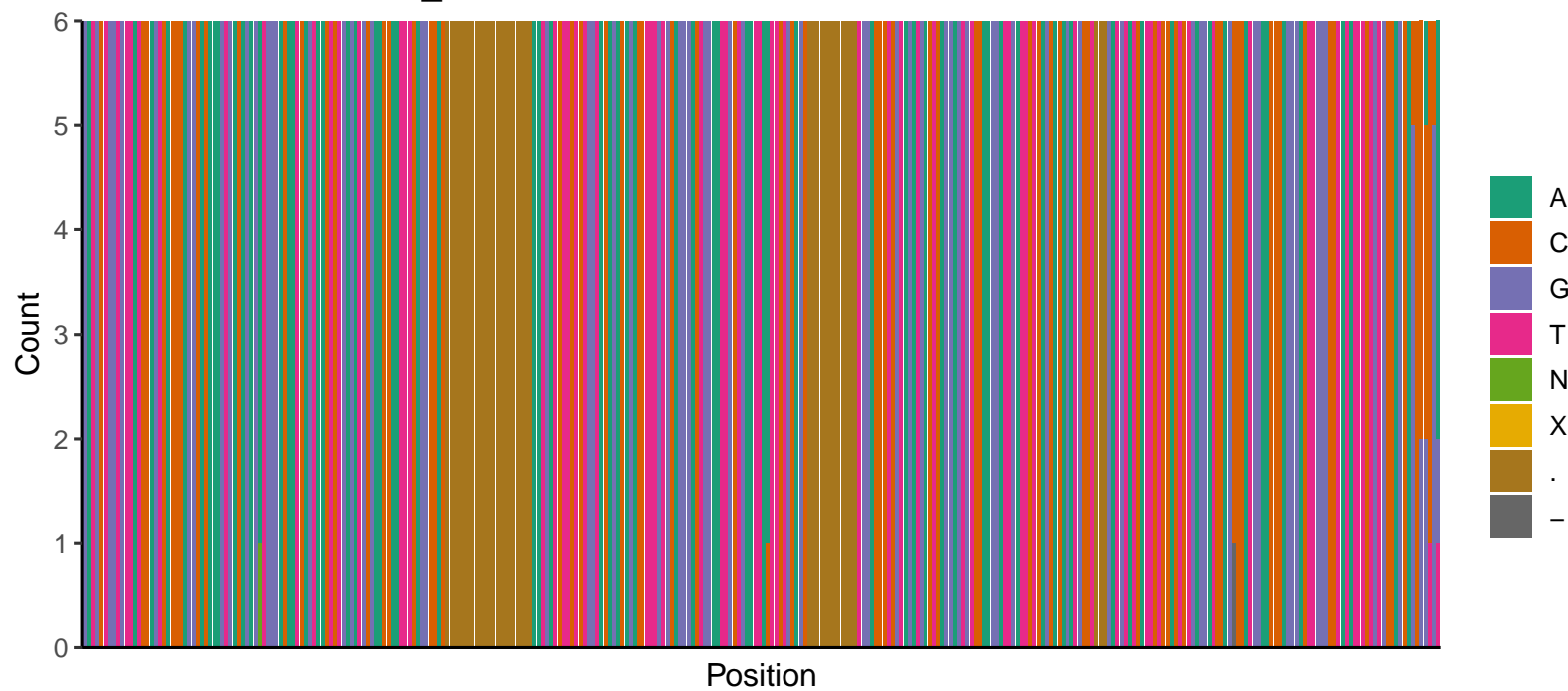


Gene TRBV12-1\*01\_C165A



Gene TRBV12-5\*01\_C28G



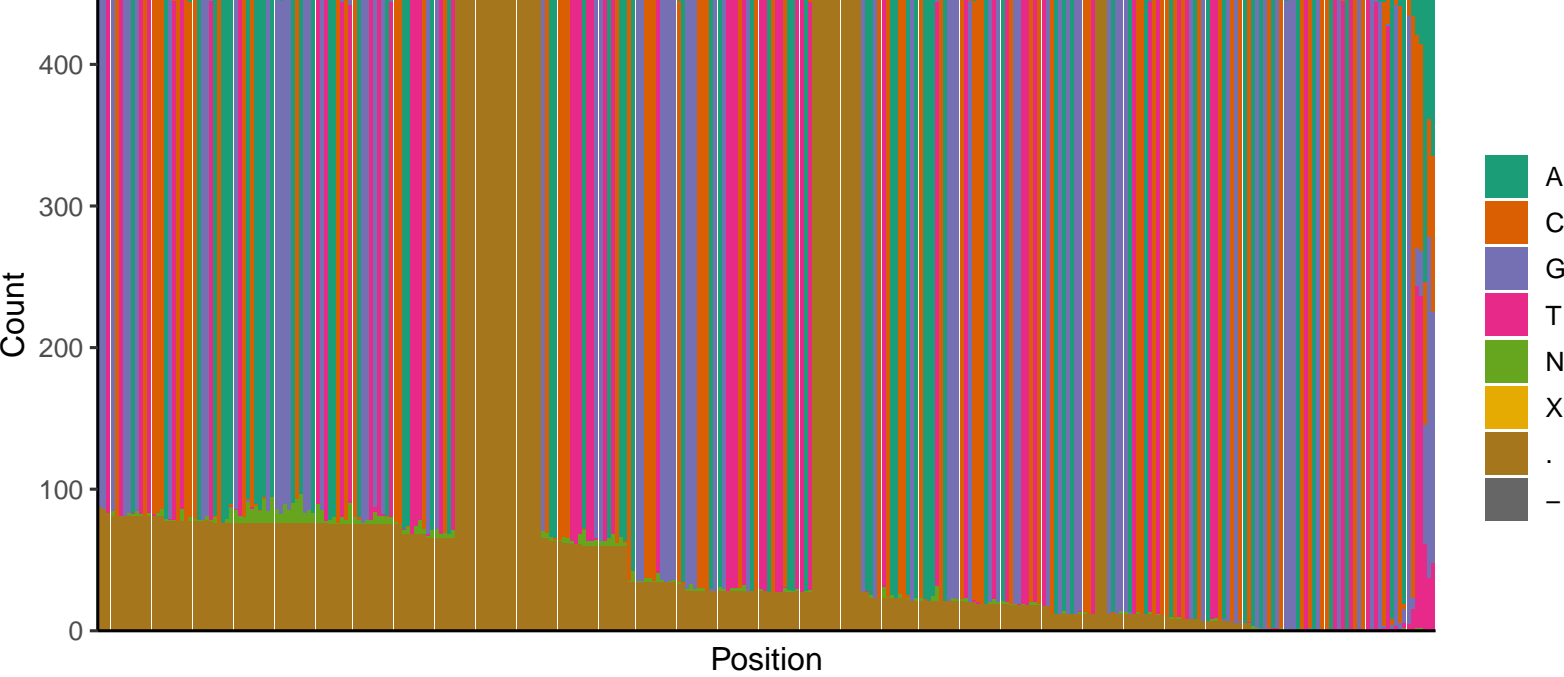
Gene TRBV20-1\*02\_319AGAGA323



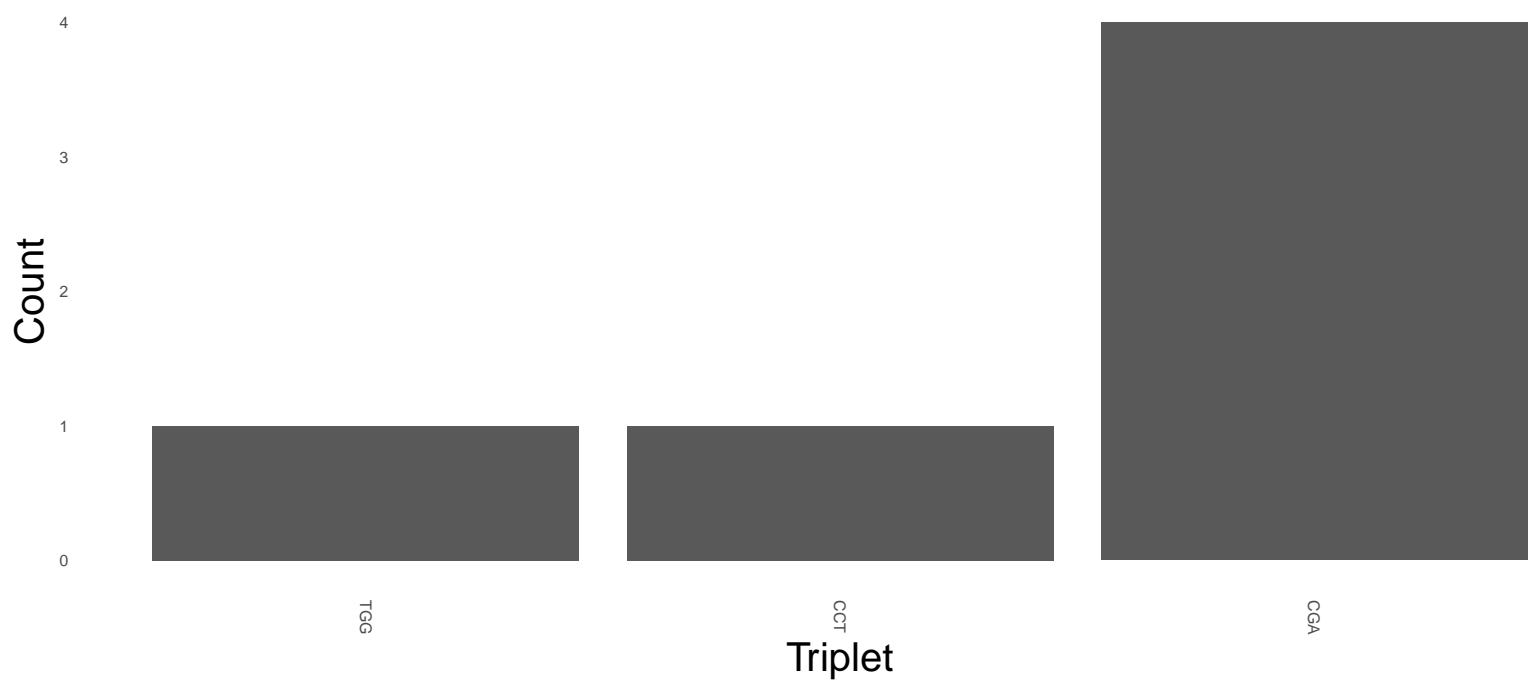
Gene TRBV5-5\*02\_322TTGG325



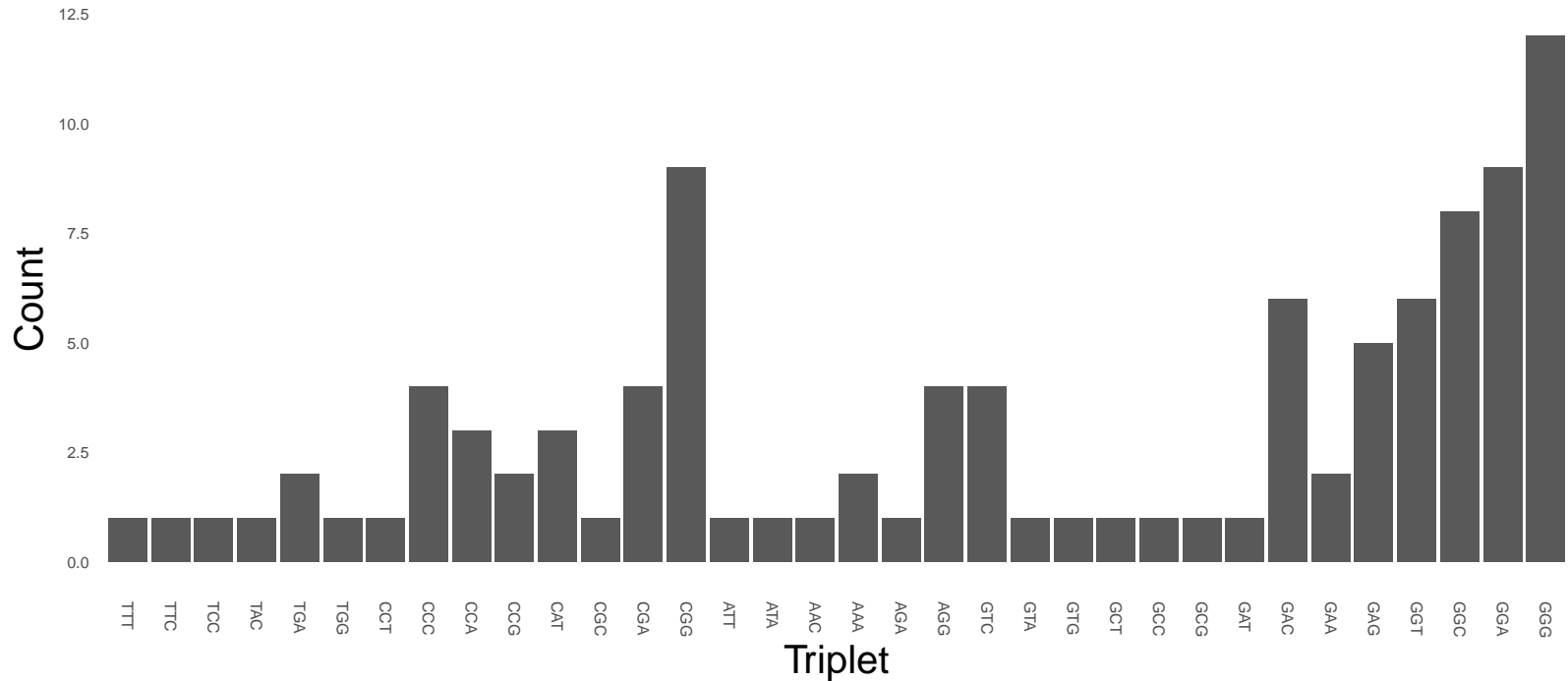
Gene TRBV7-7\*01\_C315T



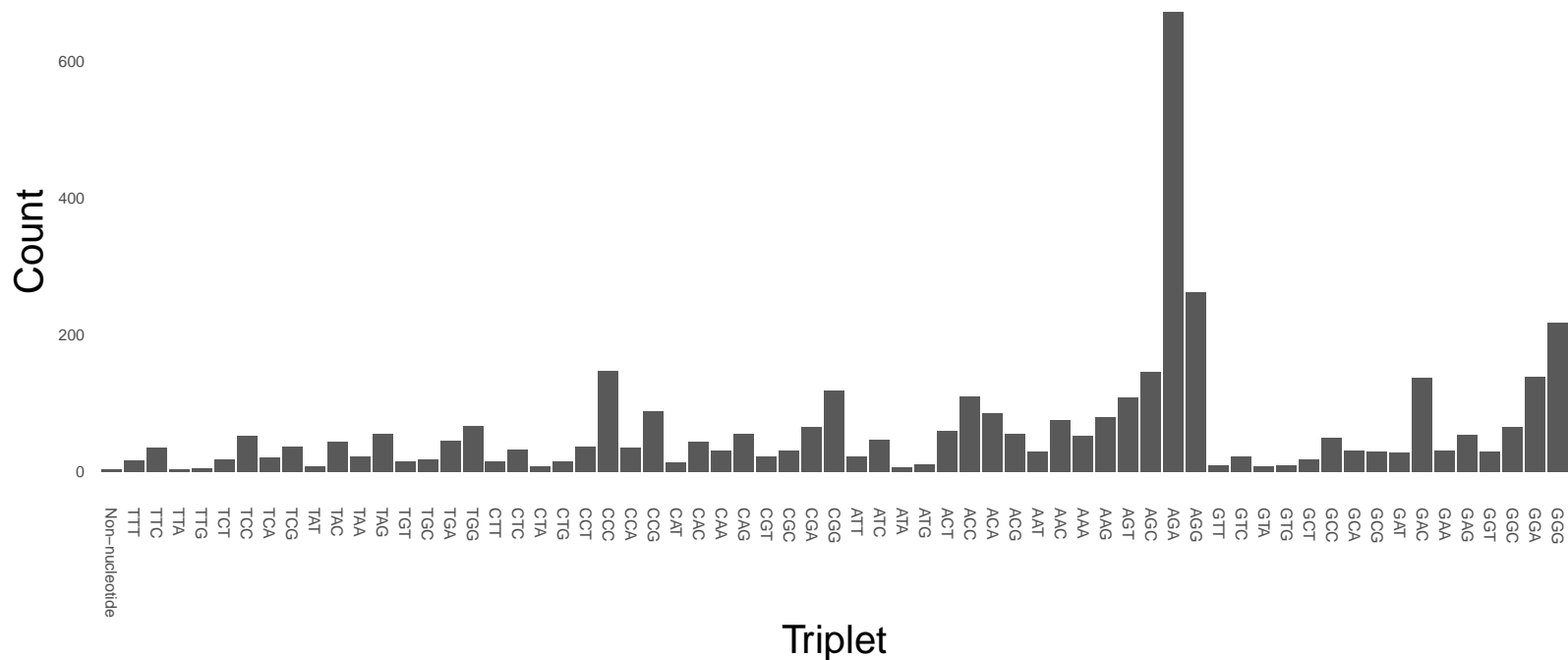
TRBV12-1\*01\_C165A- Final 3 nucleotides as a triplet



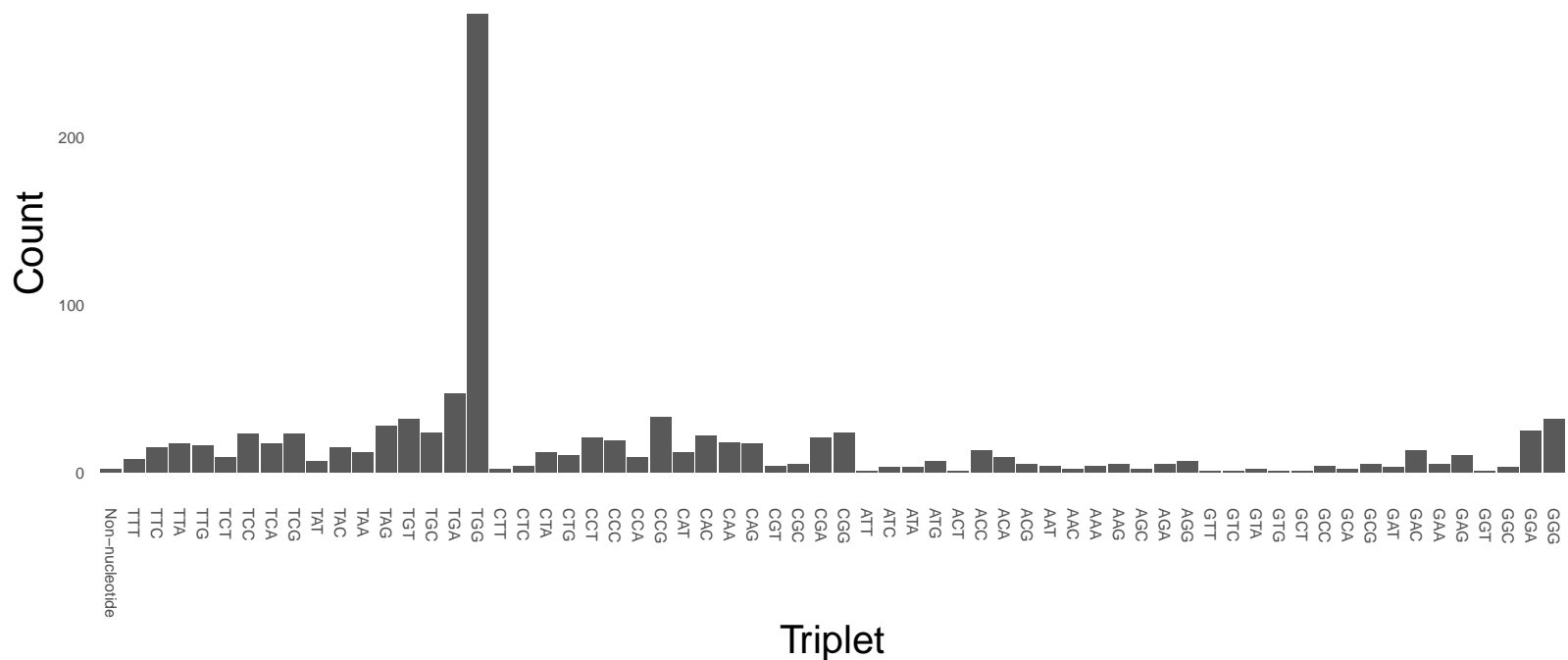
TRBV12-5\*01\_C28G- Final 3 nucleotides as a triplet



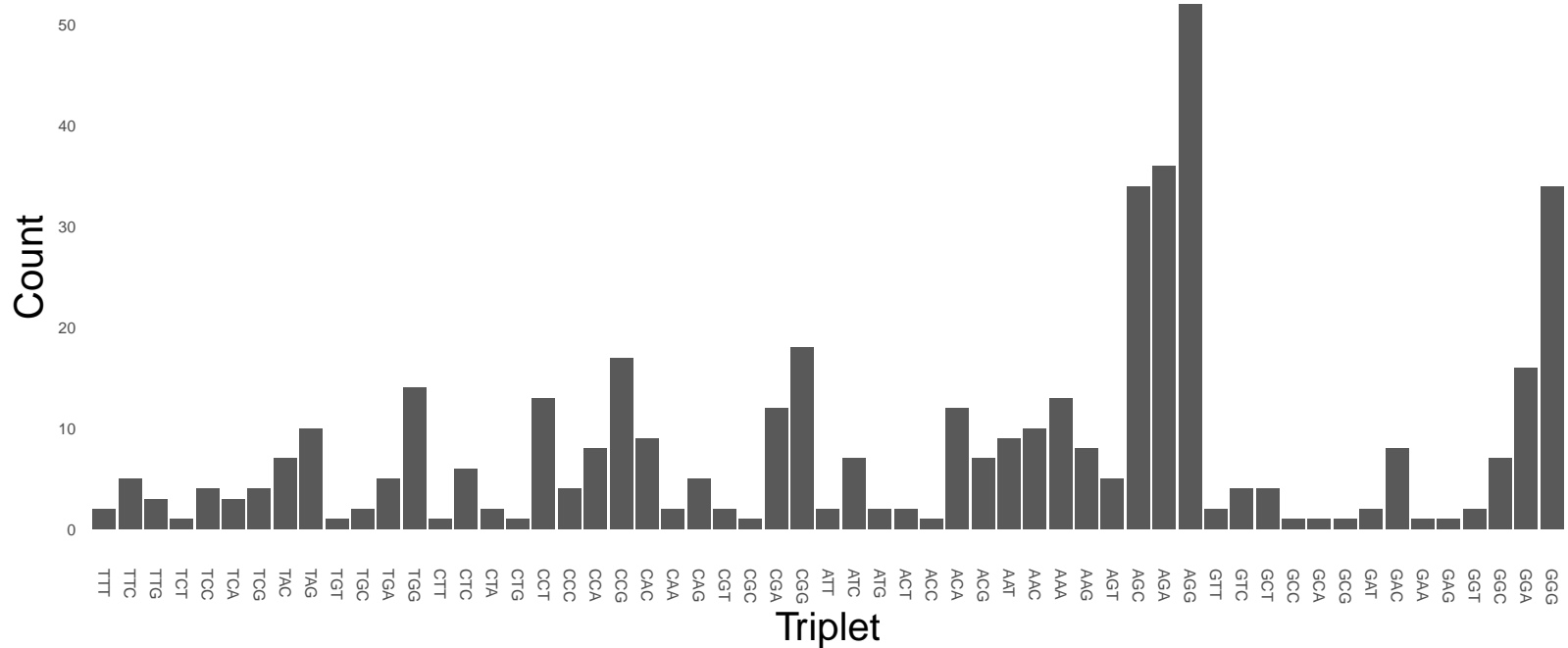
TRBV20-1\*02\_319AGAGA323- Final 3 nucleotides as a triplet



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

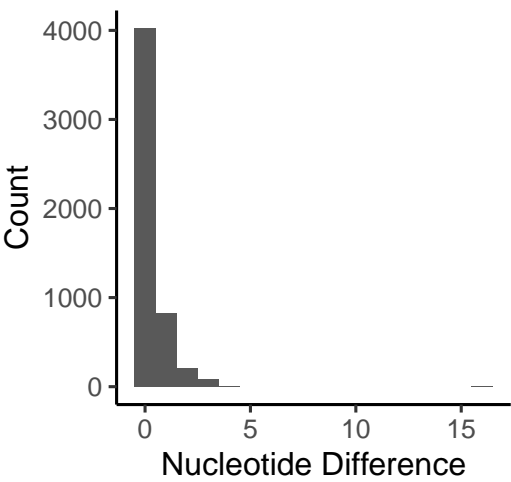


TRBV7-7\*01\_C315T- Final 3 nucleotides as a triplet



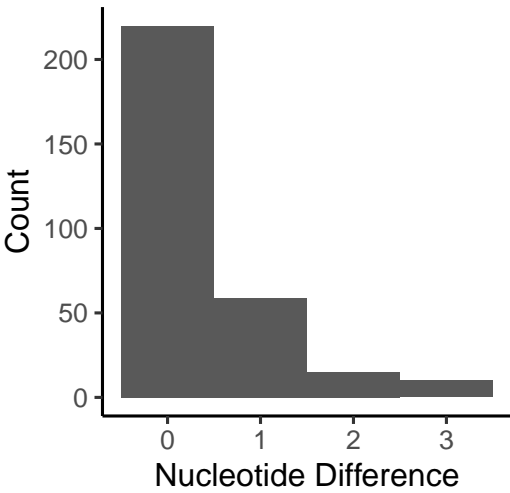
TRBV20-1\*01

5133 sequences assigned  
4022 (78.4%) exact matches, in which:  
3643 unique CDR3  
13 unique J



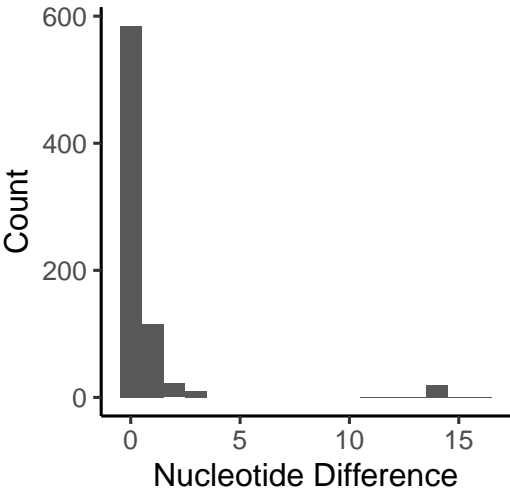
TRBV10-2\*01

306 sequences assigned  
220 (71.9%) exact matches, in which:  
171 unique CDR3  
12 unique J



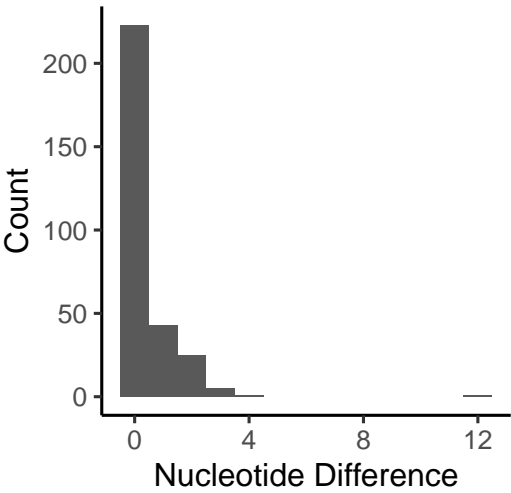
TRBV13\*01

756 sequences assigned  
585 (77.4%) exact matches, in which:  
498 unique CDR3  
13 unique J



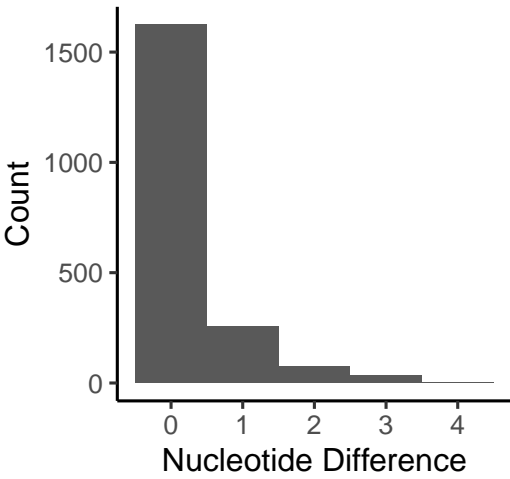
TRBV10-1\*01

299 sequences assigned  
223 (74.6%) exact matches, in which:  
210 unique CDR3  
13 unique J



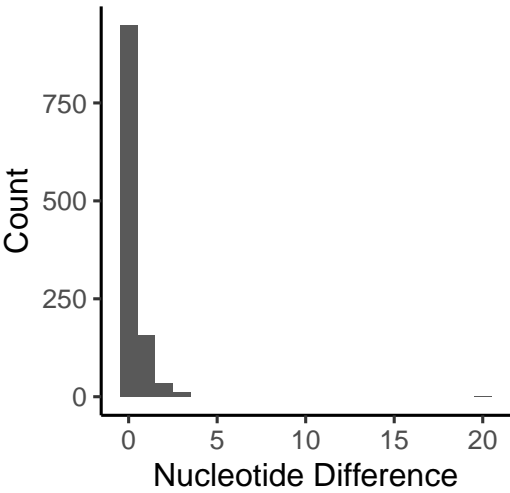
TRBV10-3\*02

1995 sequences assigned  
1624 (81.4%) exact matches, in which:  
1522 unique CDR3  
13 unique J



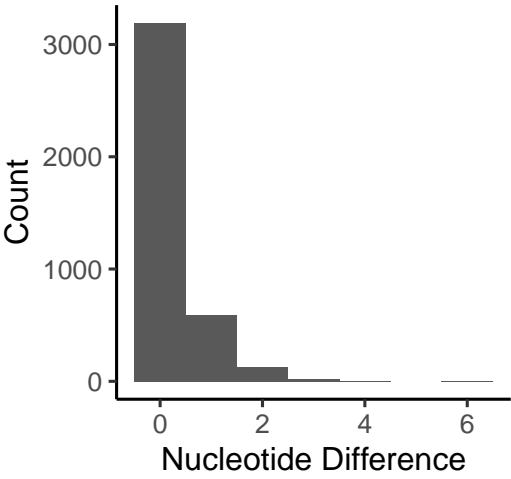
TRBV14\*01

1155 sequences assigned  
949 (82.2%) exact matches, in which:  
862 unique CDR3  
13 unique J



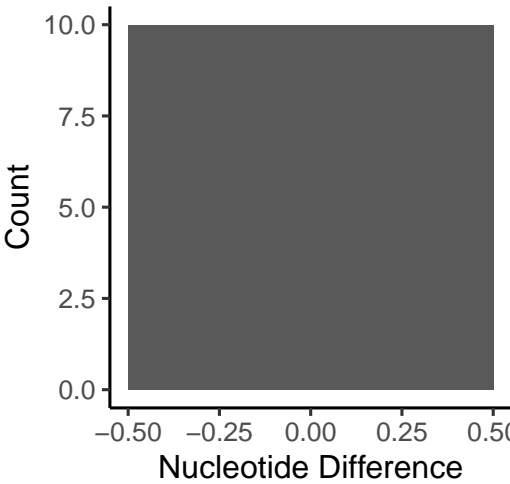
TRBV20-1\*02\_319AGAC

3934 sequences assigned  
3191 (81.1%) exact matches, in which:  
2913 unique CDR3  
13 unique J



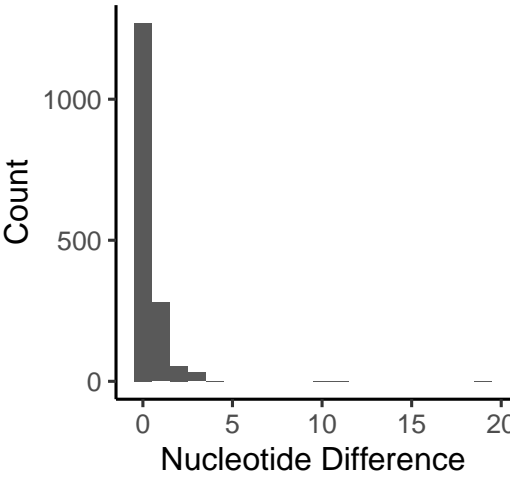
TRBV1\*01

10 sequences assigned  
10 (100%) exact matches, in which:  
10 unique CDR3  
6 unique J



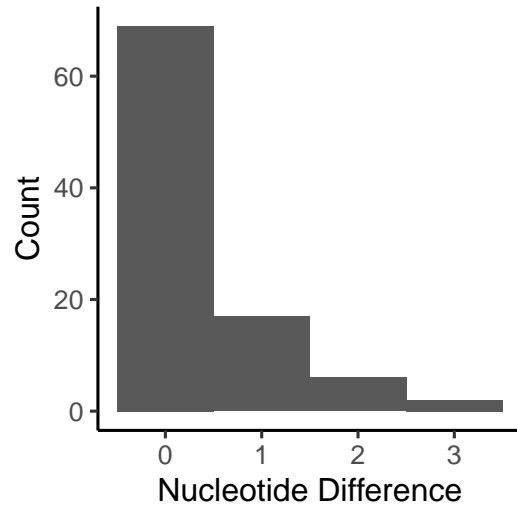
TRBV15\*02

1641 sequences assigned  
1270 (77.4%) exact matches, in which:  
1107 unique CDR3  
13 unique J



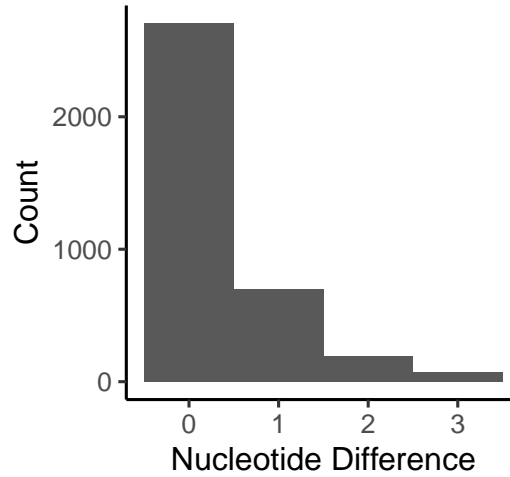
### TRBV16\*01

94 sequences assigned  
69 (73.4%) exact matches, in which:  
54 unique CDR3  
13 unique J



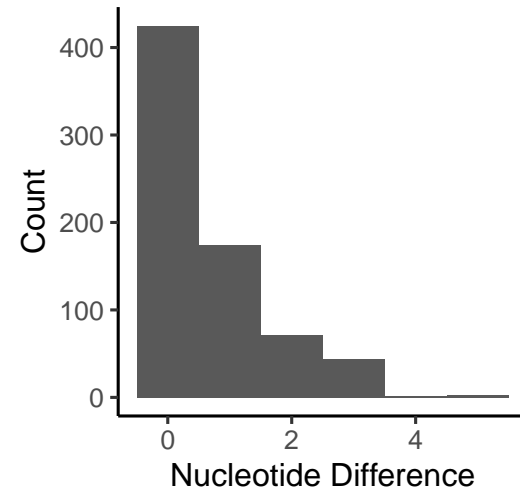
### TRBV2\*01

3667 sequences assigned  
2705 (73.8%) exact matches, in which:  
2225 unique CDR3  
13 unique J



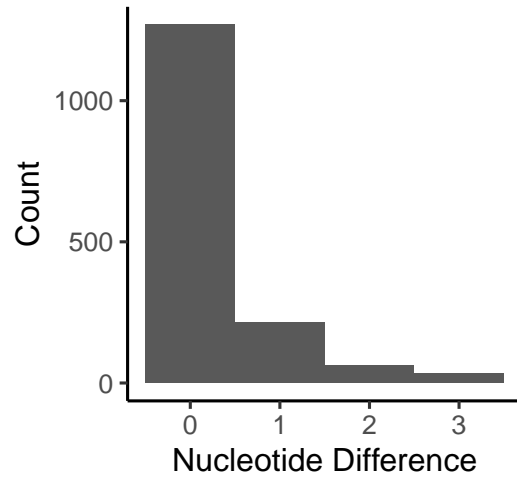
### TRBV30\*01

720 sequences assigned  
425 (59%) exact matches, in which:  
363 unique CDR3  
13 unique J



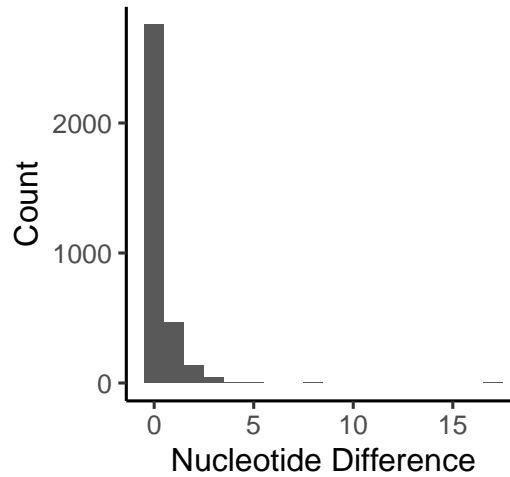
### TRBV18\*01

1577 sequences assigned  
1269 (80.5%) exact matches, in which:  
1123 unique CDR3  
13 unique J



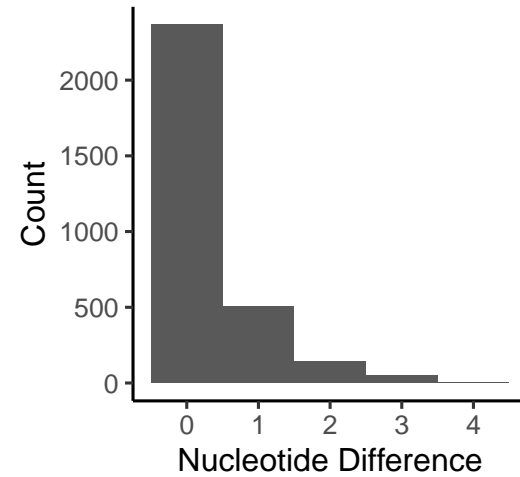
### TRBV27\*01

3403 sequences assigned  
2756 (81%) exact matches, in which:  
2455 unique CDR3  
13 unique J



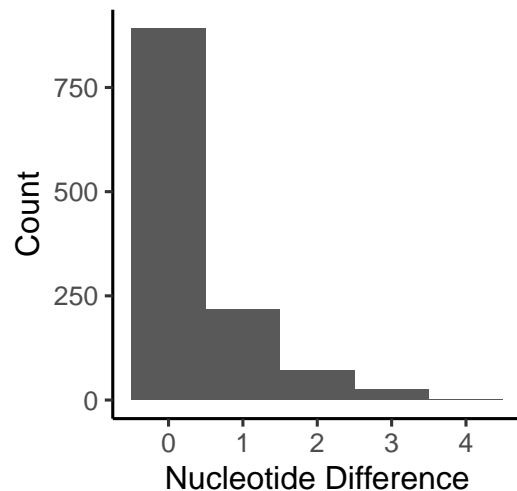
### TRBV9\*01

3068 sequences assigned  
2366 (77.1%) exact matches, in which:  
2113 unique CDR3  
13 unique J



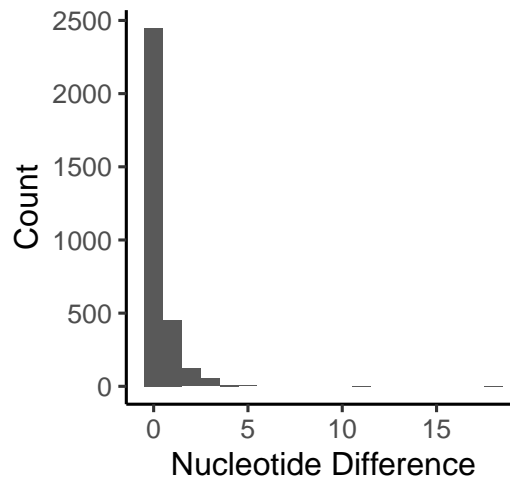
### TRBV19\*01

1207 sequences assigned  
892 (73.9%) exact matches, in which:  
771 unique CDR3  
13 unique J



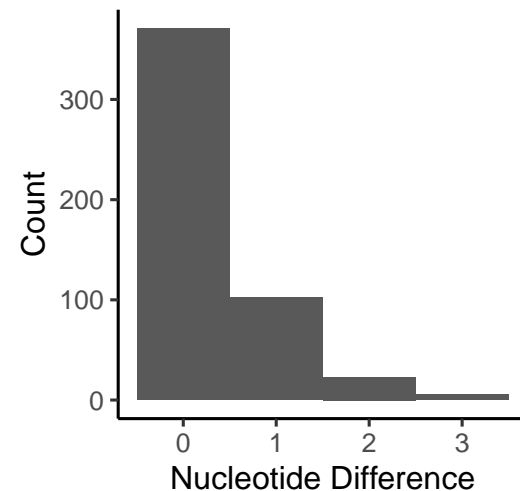
### TRBV28\*01

3092 sequences assigned  
2448 (79.2%) exact matches, in which:  
2185 unique CDR3  
13 unique J



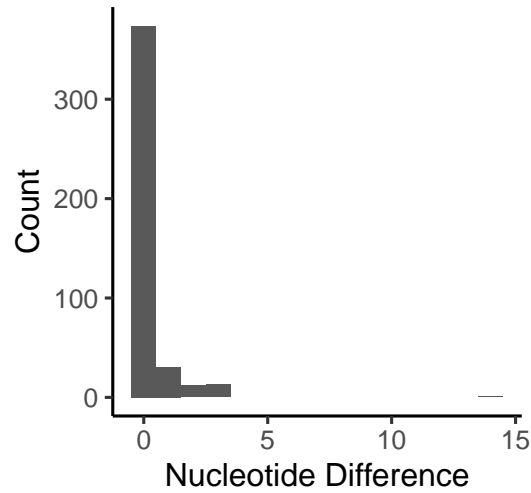
### TRBV11-1\*01

502 sequences assigned  
371 (73.9%) exact matches, in which:  
327 unique CDR3  
13 unique J



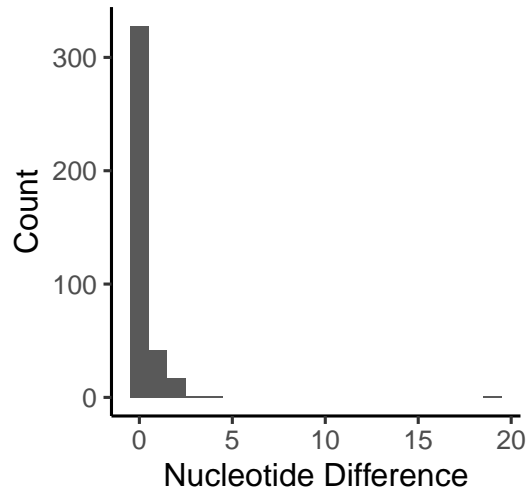
### TRBV21-1\*01

432 sequences assigned  
374 (86.6%) exact matches, in which:  
346 unique CDR3  
13 unique J



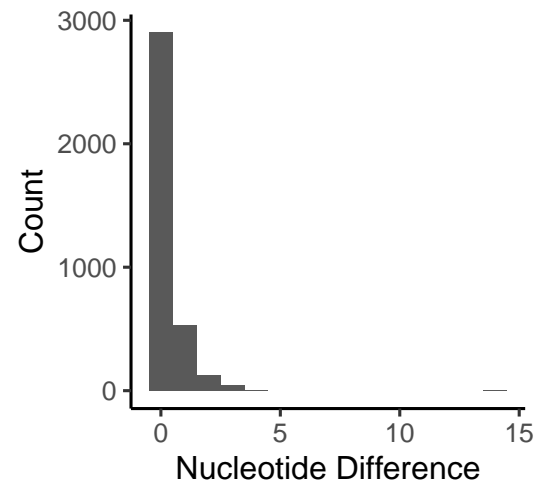
### TRBV11-3\*01

390 sequences assigned  
328 (84.1%) exact matches, in which:  
307 unique CDR3  
13 unique J



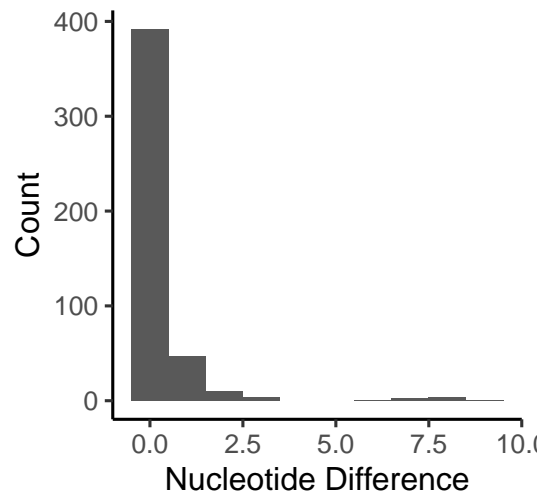
### TRBV12-3\*01

3604 sequences assigned  
2902 (80.5%) exact matches, in which:  
2654 unique CDR3  
13 unique J



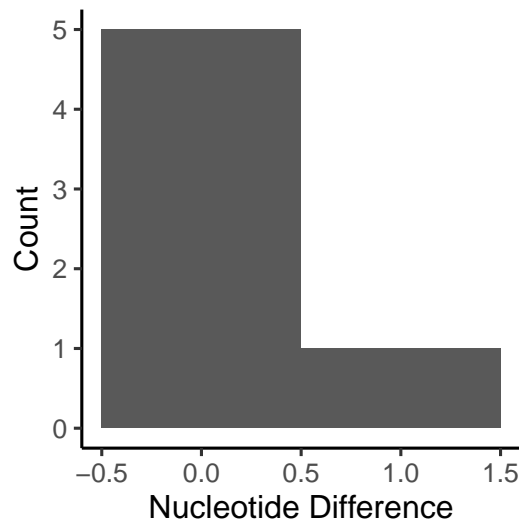
### TRBV21-1\*02

464 sequences assigned  
392 (84.5%) exact matches, in which:  
360 unique CDR3  
13 unique J



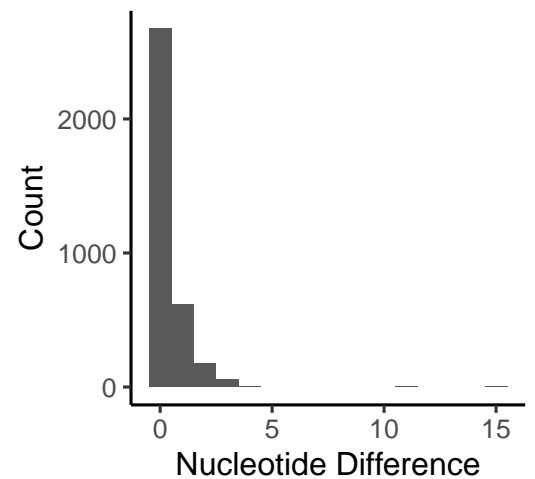
### TRBV12-1\*01\_C165A

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



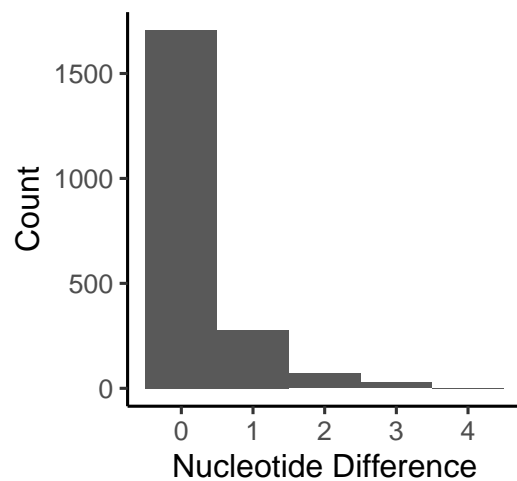
### TRBV12-4\*01

3520 sequences assigned  
2673 (75.9%) exact matches, in which:  
2293 unique CDR3  
13 unique J



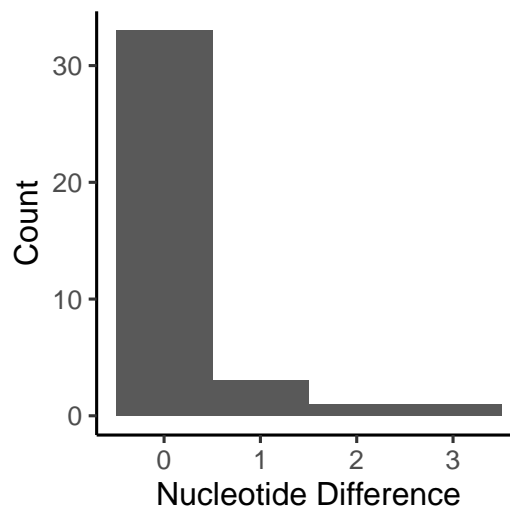
### TRBV11-2\*01

2087 sequences assigned  
1707 (81.8%) exact matches, in which:  
1508 unique CDR3  
13 unique J



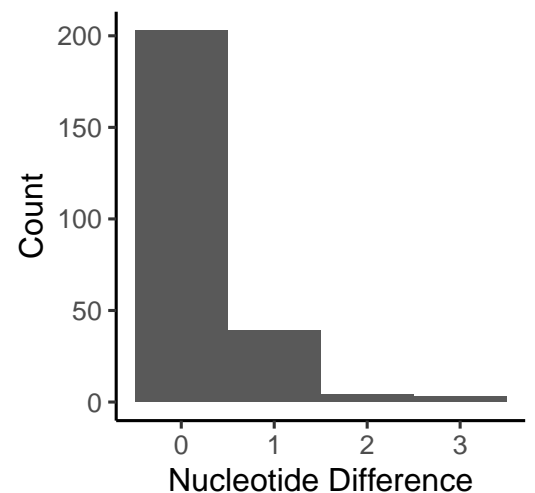
### TRBV12-2\*01

38 sequences assigned  
33 (86.8%) exact matches, in which:  
33 unique CDR3  
11 unique J



### TRBV12-5\*01

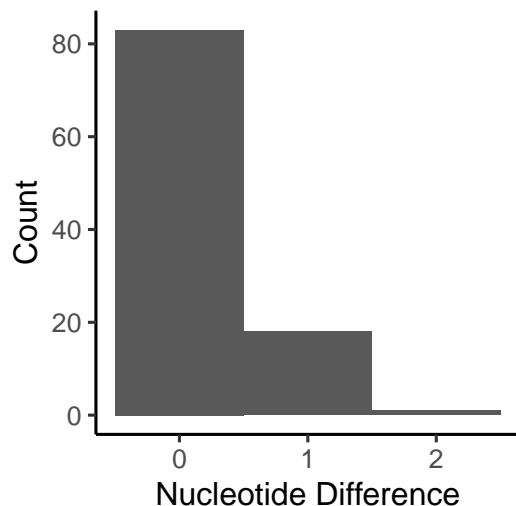
249 sequences assigned  
203 (81.5%) exact matches, in which:  
197 unique CDR3  
13 unique J





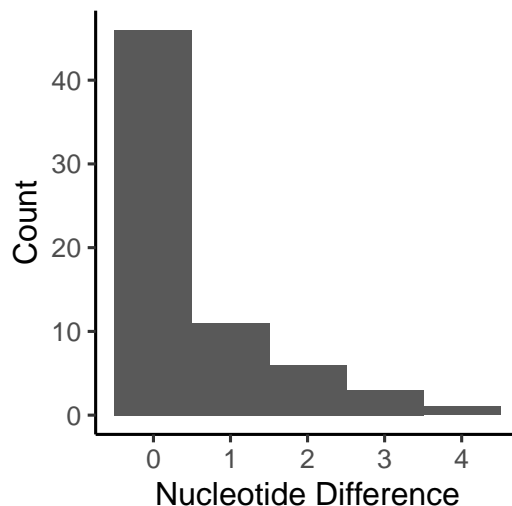
## TRBV12-5\*01\_C28G

102 sequences assigned  
83 (81.4%) exact matches, in which:  
76 unique CDR3  
11 unique J



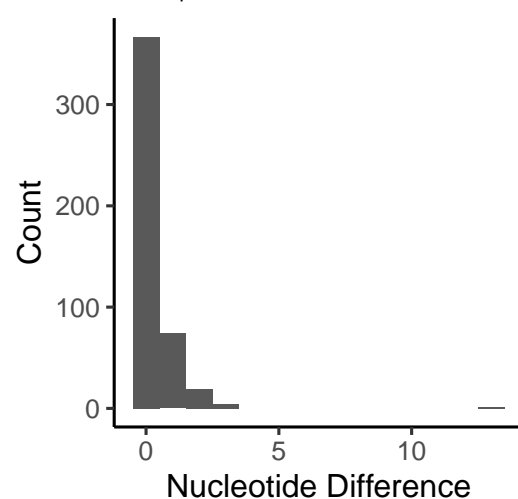
## TRBV3-2\*03

67 sequences assigned  
46 (68.7%) exact matches, in which:  
42 unique CDR3  
10 unique J



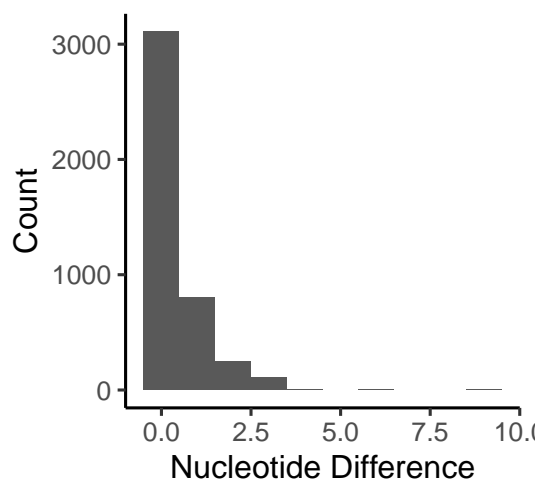
## TRBV24-1\*02

466 sequences assigned  
367 (78.8%) exact matches, in which:  
329 unique CDR3  
13 unique J



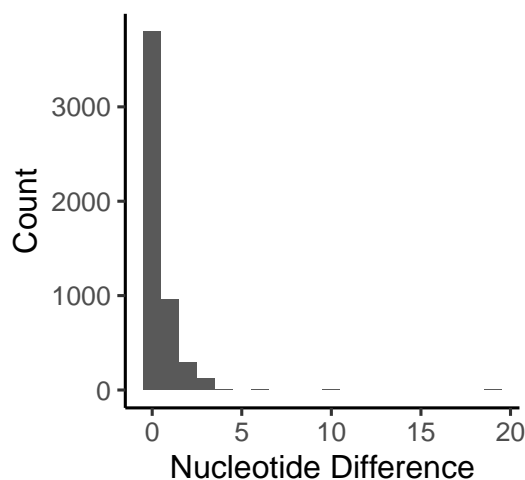
## TRBV3-1\*01

4279 sequences assigned  
3108 (72.6%) exact matches, in which:  
2551 unique CDR3  
13 unique J



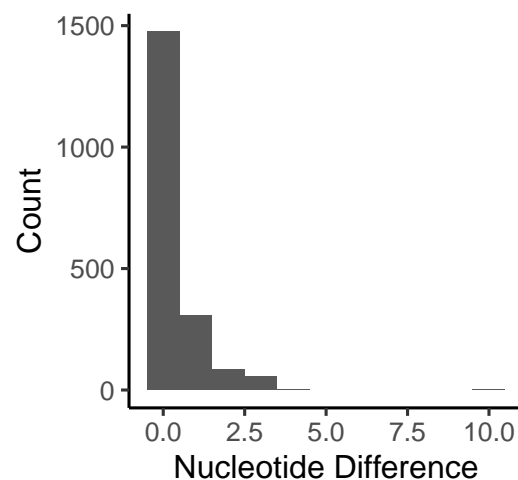
## TRBV4-1\*01

5174 sequences assigned  
3796 (73.4%) exact matches, in which:  
3273 unique CDR3  
13 unique J



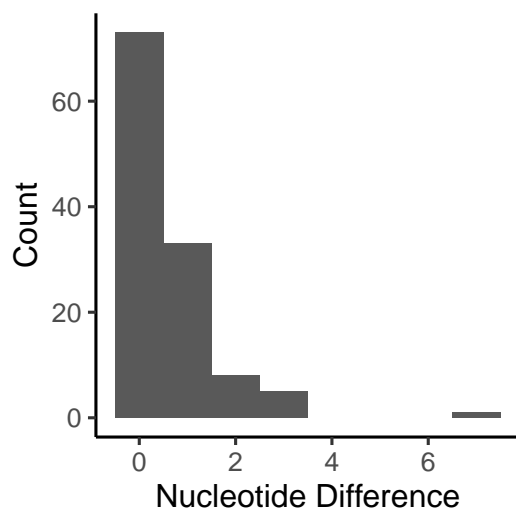
## TRBV4-2\*01

1927 sequences assigned  
1475 (76.5%) exact matches, in which:  
1301 unique CDR3  
13 unique J



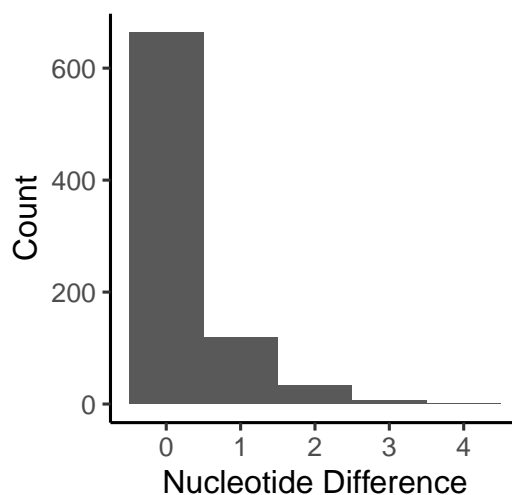
## TRBV23-1\*01

120 sequences assigned  
73 (60.8%) exact matches, in which:  
64 unique CDR3  
10 unique J



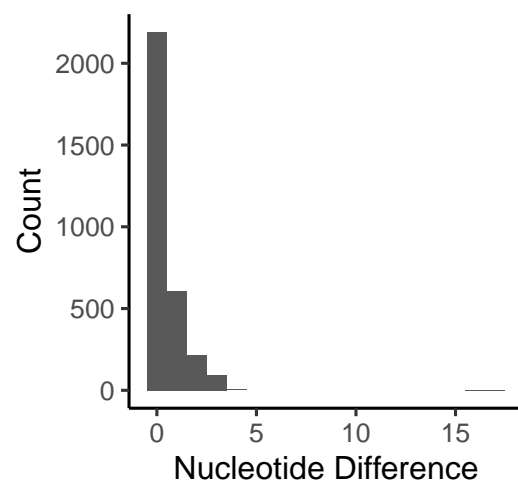
## TRBV24-1\*01

823 sequences assigned  
664 (80.7%) exact matches, in which:  
586 unique CDR3  
13 unique J



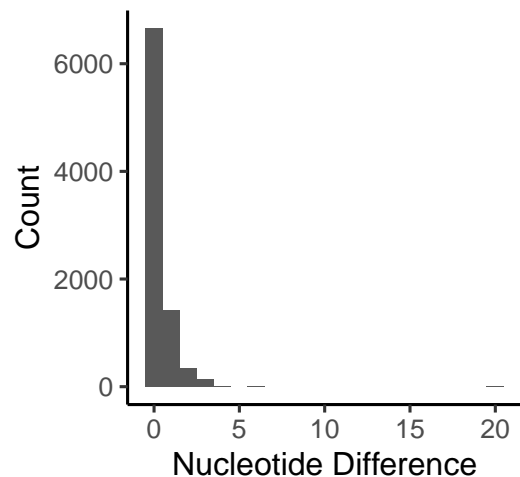
## TRBV4-3\*01

3120 sequences assigned  
2191 (70.2%) exact matches, in which:  
1822 unique CDR3  
13 unique J



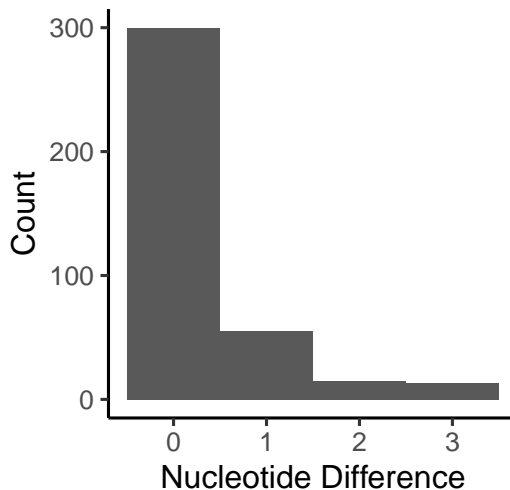
### TRBV5-1\*01

8584 sequences assigned  
6656 (77.5%) exact matches, in which:  
6037 unique CDR3  
13 unique J



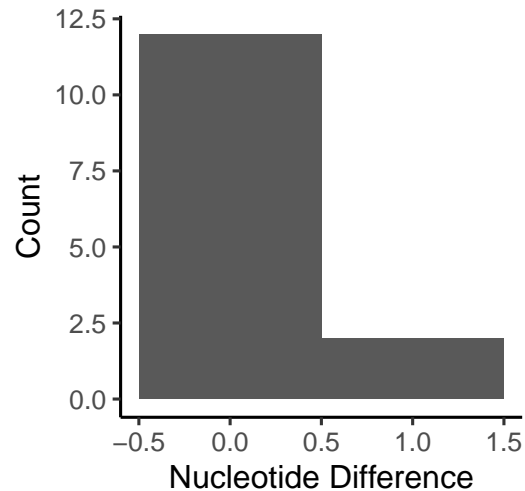
### TRBV5-4\*01

383 sequences assigned  
300 (78.3%) exact matches, in which:  
249 unique CDR3  
13 unique J



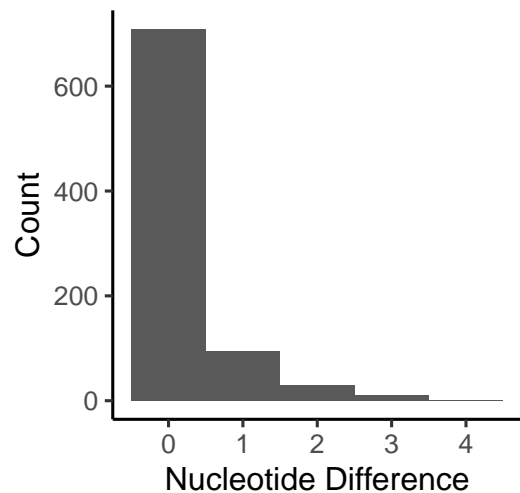
### TRBV5-7\*01

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



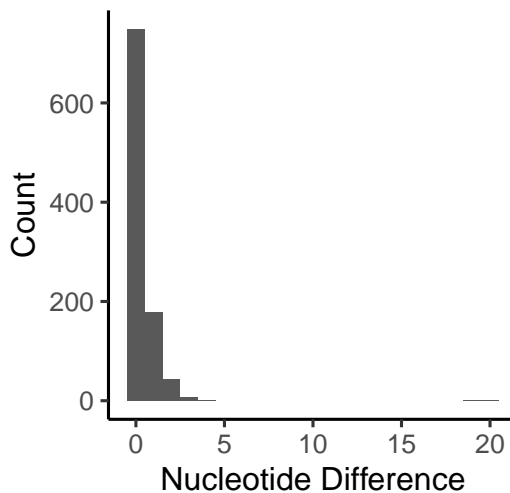
### TRBV25-1\*01

844 sequences assigned  
709 (84%) exact matches, in which:  
642 unique CDR3  
13 unique J



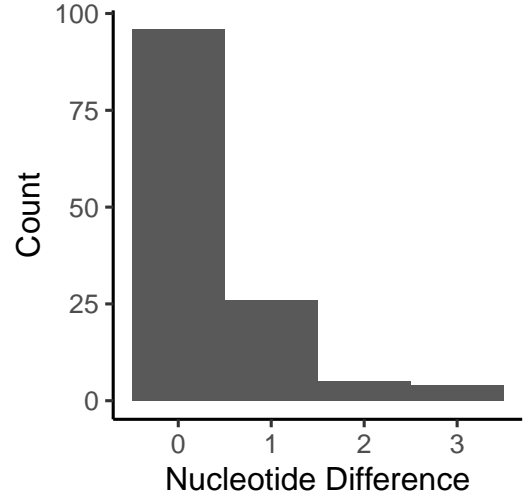
### TRBV5-5\*02\_322TTGG3

982 sequences assigned  
749 (76.3%) exact matches, in which:  
642 unique CDR3  
13 unique J



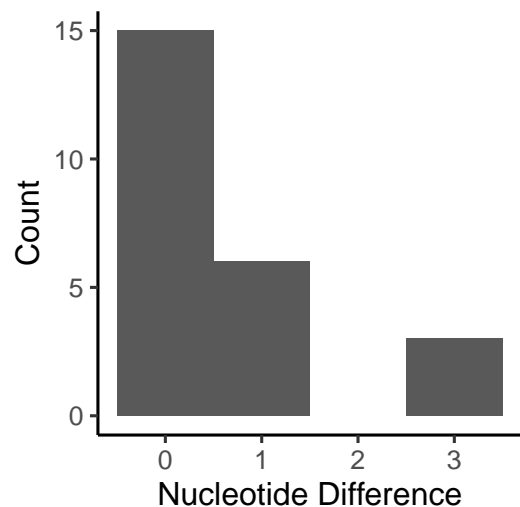
### TRBV5-8\*01

131 sequences assigned  
96 (73.3%) exact matches, in which:  
94 unique CDR3  
13 unique J



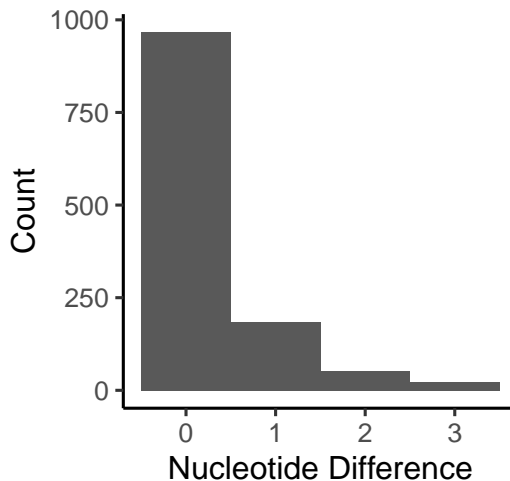
### TRBV5-3\*01

24 sequences assigned  
15 (62.5%) exact matches, in which:  
15 unique CDR3  
10 unique J



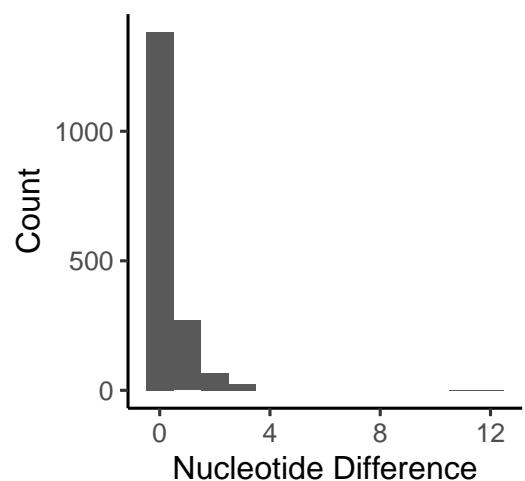
### TRBV5-6\*01

1227 sequences assigned  
967 (78.8%) exact matches, in which:  
865 unique CDR3  
13 unique J



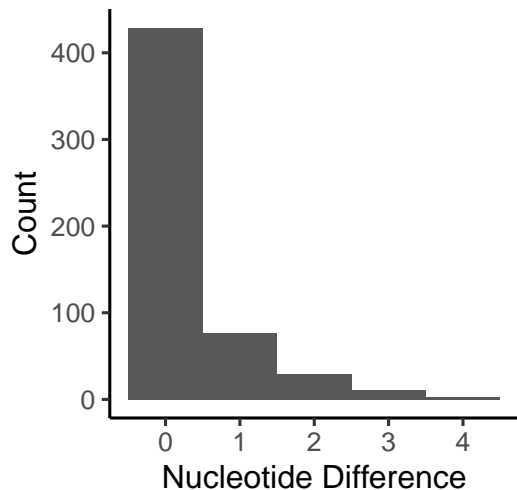
### TRBV6-1\*01

1748 sequences assigned  
1383 (79.1%) exact matches, in which:  
1280 unique CDR3  
13 unique J



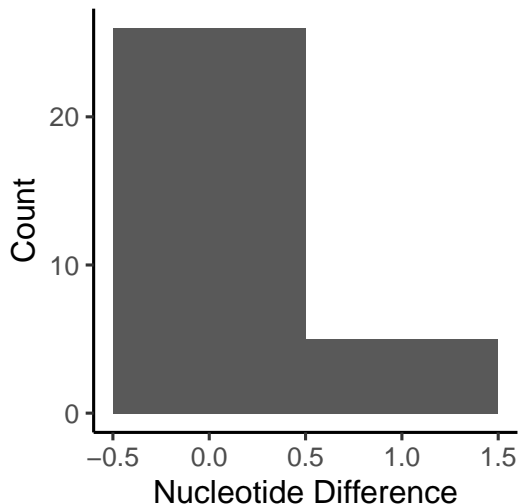
### TRBV6-4\*01

549 sequences assigned  
429 (78.1%) exact matches, in which:  
376 unique CDR3  
13 unique J



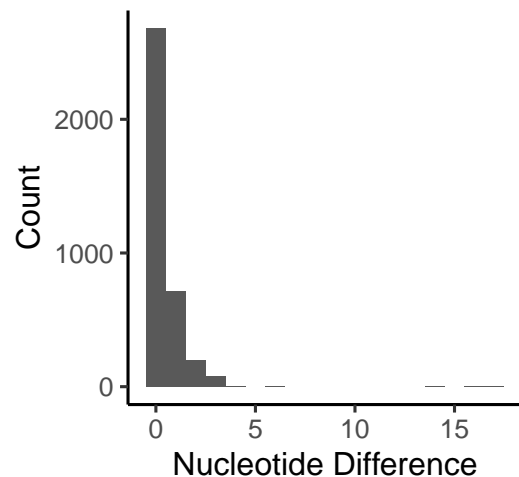
### TRBV6-7\*01

31 sequences assigned  
26 (83.9%) exact matches, in which:  
21 unique CDR3  
6 unique J



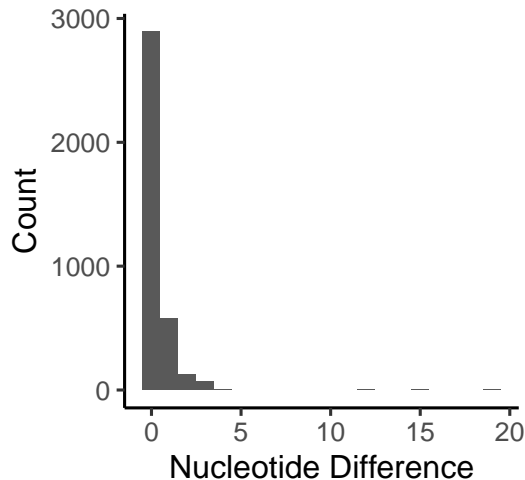
### TRBV6-23\*01

3685 sequences assigned  
2680 (72.7%) exact matches, in which:  
2238 unique CDR3  
13 unique J



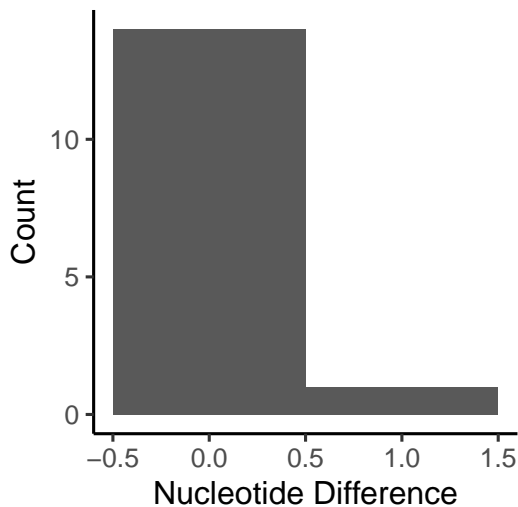
### TRBV6-5\*01

3669 sequences assigned  
2893 (78.8%) exact matches, in which:  
2558 unique CDR3  
13 unique J



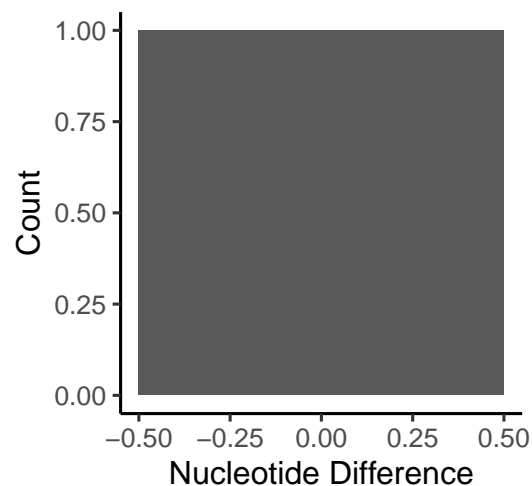
### TRBV6-8\*01

15 sequences assigned  
14 (93.3%) exact matches, in which:  
14 unique CDR3  
9 unique J



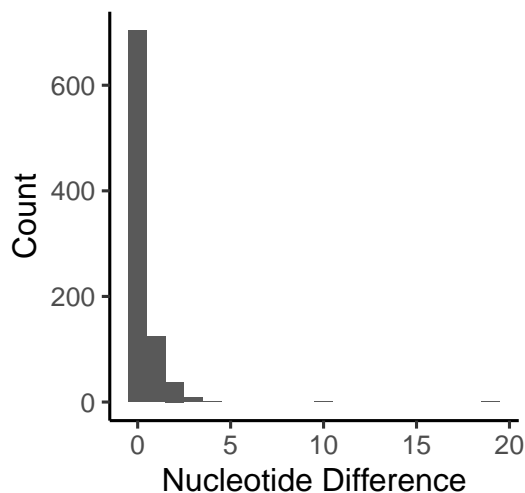
### TRBV7-1\*01

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



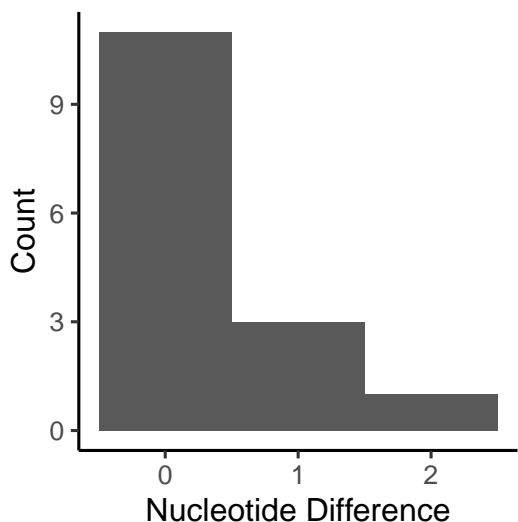
### TRBV6-6\*01

878 sequences assigned  
704 (80.2%) exact matches, in which:  
640 unique CDR3  
13 unique J



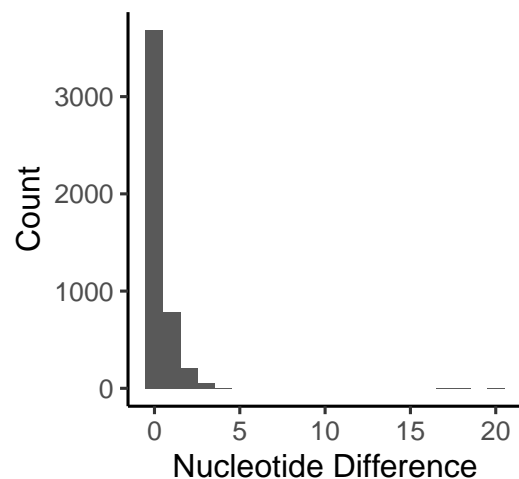
### TRBV6-9\*01

15 sequences assigned  
11 (73.3%) exact matches, in which:  
11 unique CDR3  
6 unique J



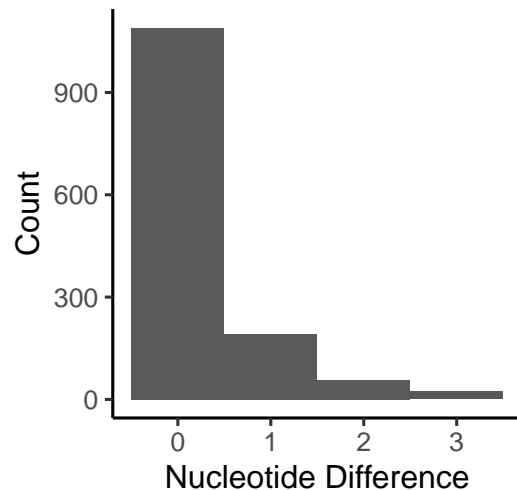
### TRBV7-2\*01

4740 sequences assigned  
3685 (77.7%) exact matches, in which:  
3152 unique CDR3  
13 unique J



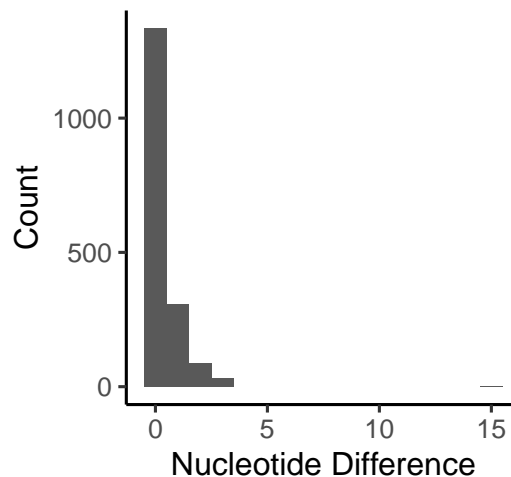
### TRBV7-2\*02

1360 sequences assigned  
1090 (80.1%) exact matches, in which:  
951 unique CDR3  
13 unique J



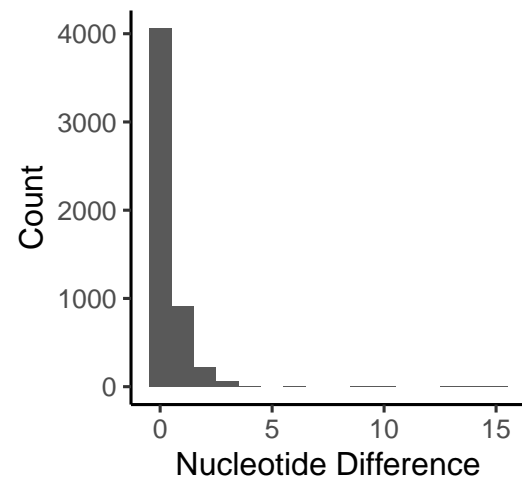
### TRBV7-6\*01

1764 sequences assigned  
1334 (75.6%) exact matches, in which:  
1091 unique CDR3  
13 unique J



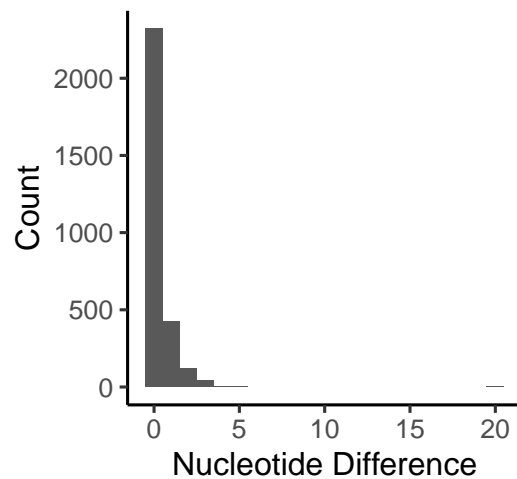
### TRBV7-9\*03

5269 sequences assigned  
4060 (77.1%) exact matches, in which:  
3526 unique CDR3  
13 unique J



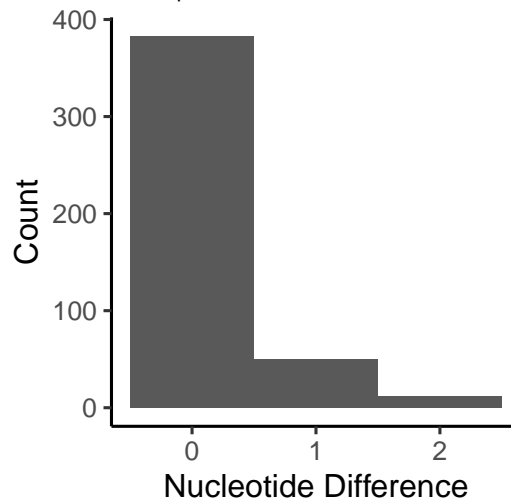
### TRBV7-3\*01

2915 sequences assigned  
2321 (79.6%) exact matches, in which:  
2135 unique CDR3  
13 unique J



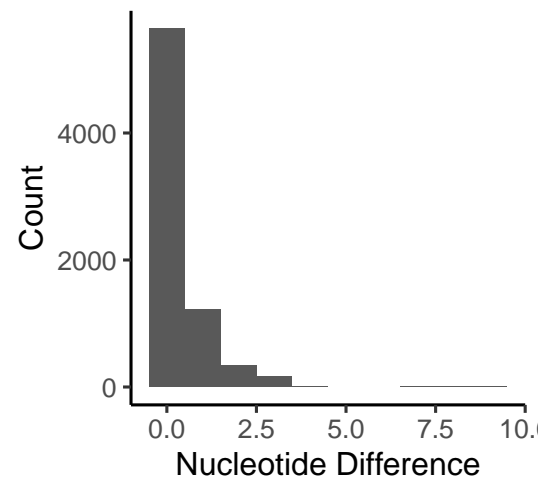
### TRBV7-7\*01\_C315T

446 sequences assigned  
383 (85.9%) exact matches, in which:  
331 unique CDR3  
12 unique J



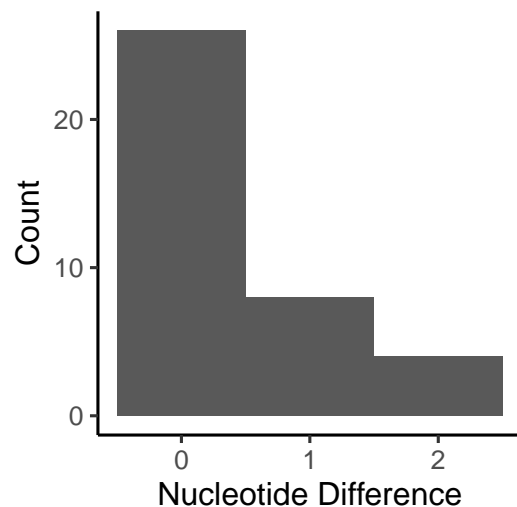
### TRBV29-1\*01

7373 sequences assigned  
5642 (76.5%) exact matches, in which:  
4940 unique CDR3  
13 unique J



### TRBV7-4\*01

38 sequences assigned  
26 (68.4%) exact matches, in which:  
26 unique CDR3  
11 unique J



### TRBV7-8\*01

2024 sequences assigned  
1546 (76.4%) exact matches, in which:  
1231 unique CDR3  
13 unique J

