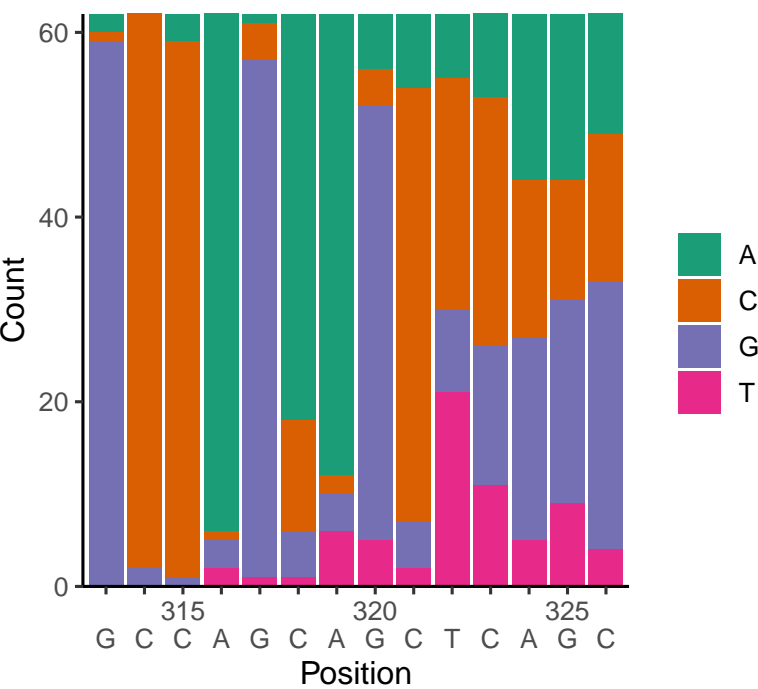
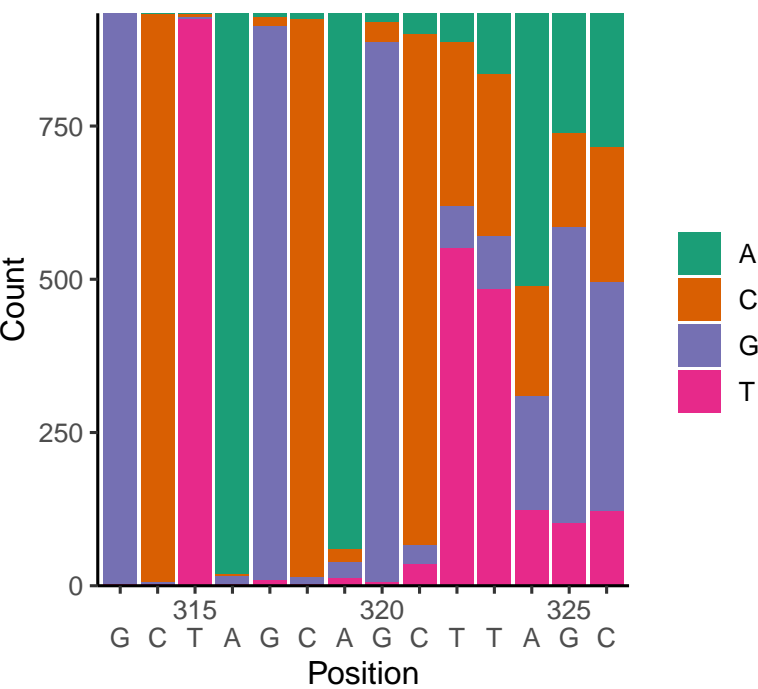


Gene TRBV7-1\*ap01\_T296C



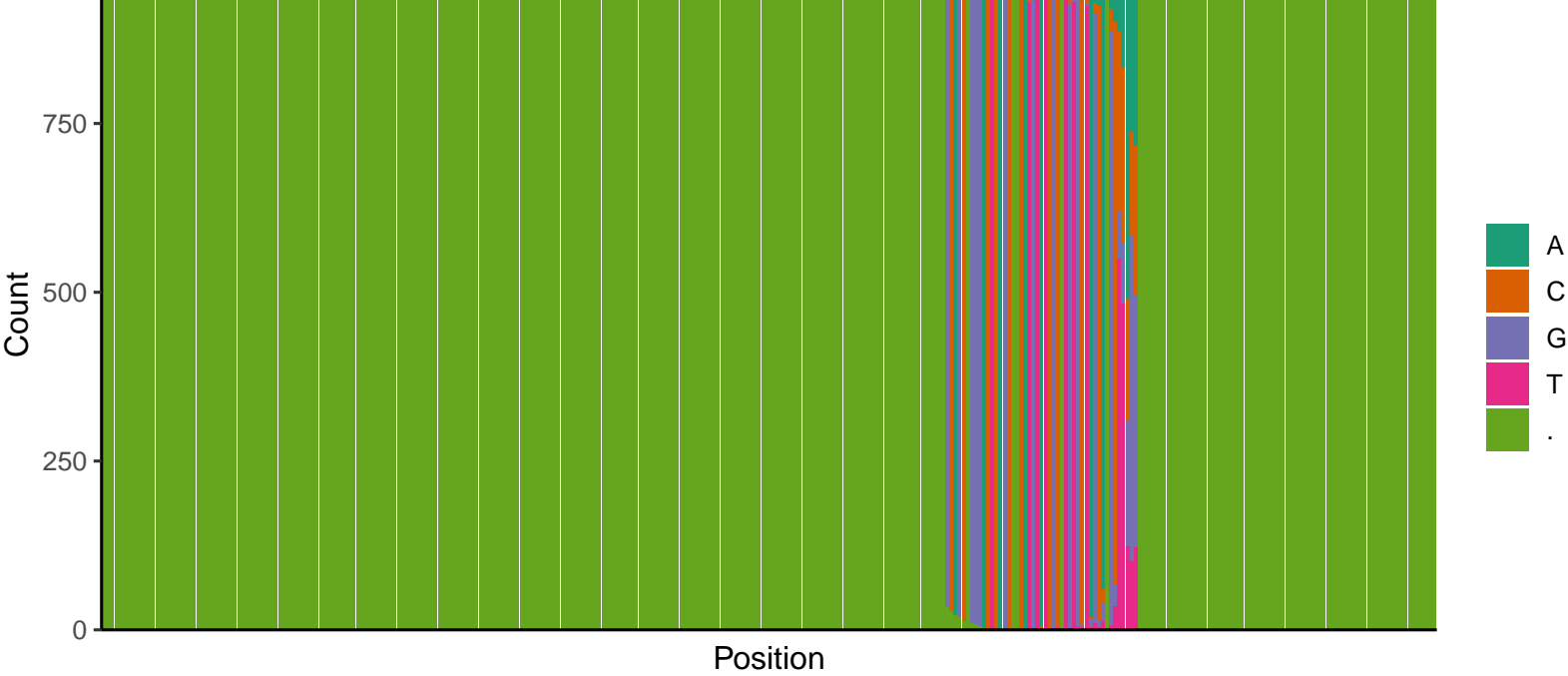
Gene TRBV7-7\*ap01\_C315T



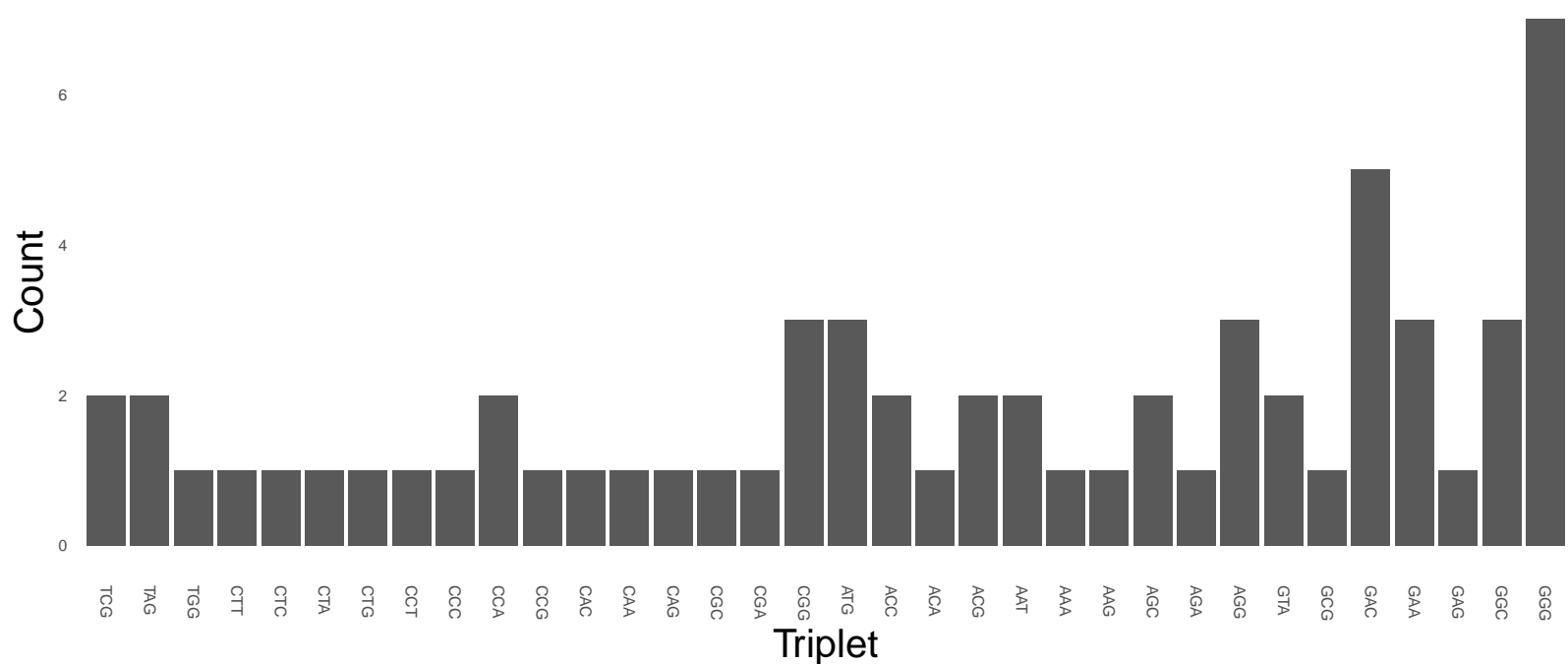
Gene TRBV7-1\*ap01\_T296C



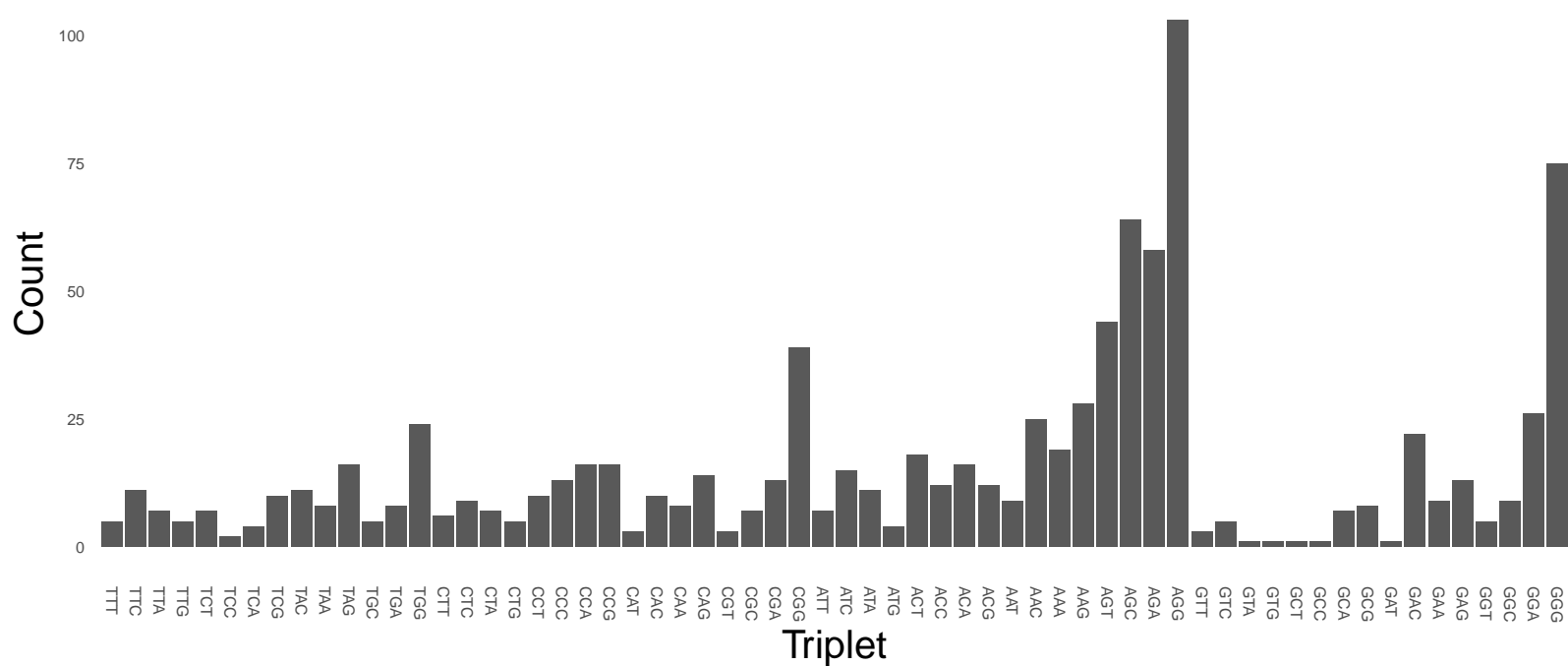
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet

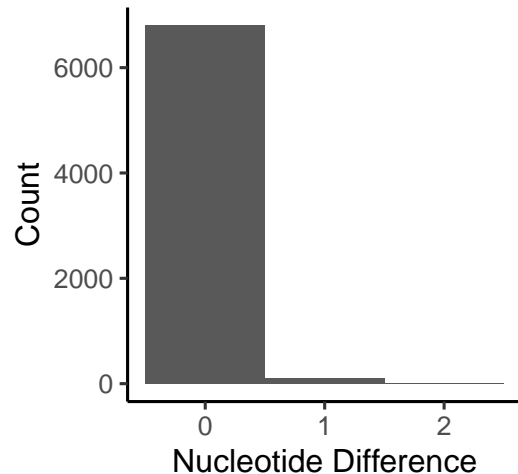


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



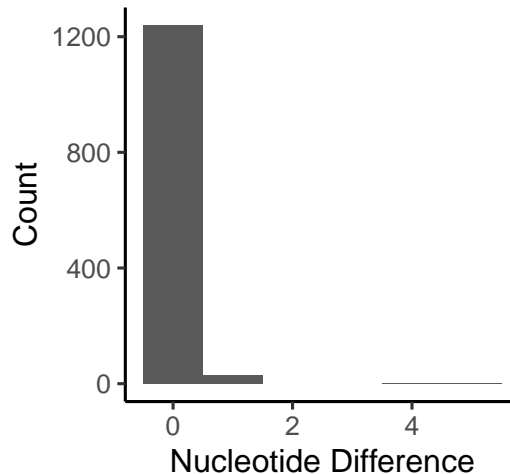
### TRBV20-1\*ap01

6913 sequences assigned  
6802 (98.4%) exact matches, in which:  
6774 unique CDR3  
13 unique J



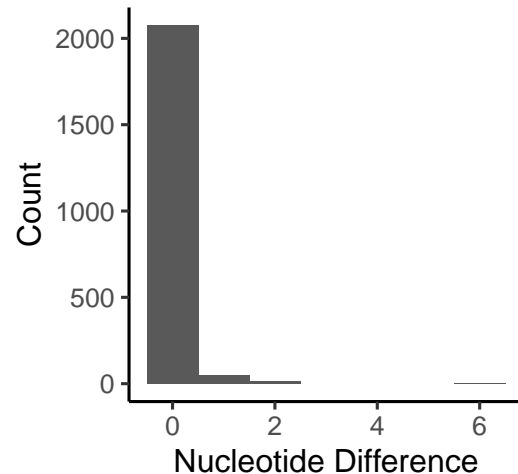
### TRBV10-2\*ap01

1270 sequences assigned  
1239 (97.6%) exact matches, in which:  
1235 unique CDR3  
13 unique J



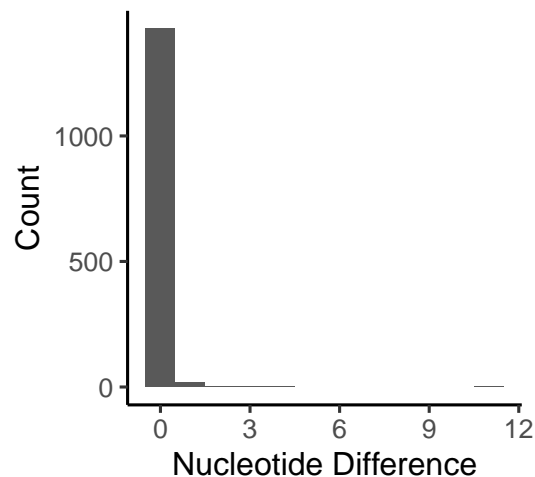
### TRBV13\*ap01

2138 sequences assigned  
2075 (97.1%) exact matches, in which:  
2058 unique CDR3  
13 unique J



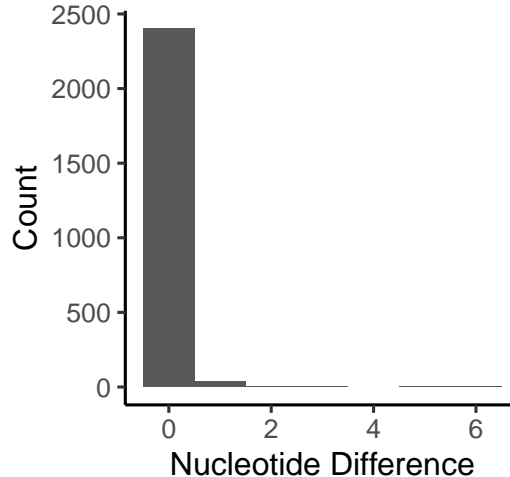
### TRBV10-1\*ap01

1452 sequences assigned  
1427 (98.3%) exact matches, in which:  
1422 unique CDR3  
13 unique J



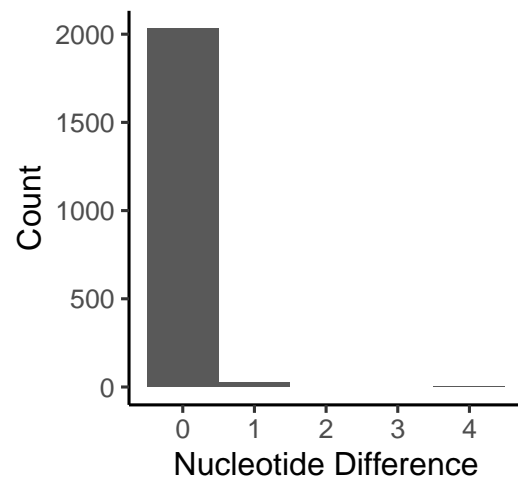
### TRBV10-3\*ap01

2441 sequences assigned  
2401 (98.4%) exact matches, in which:  
2393 unique CDR3  
13 unique J



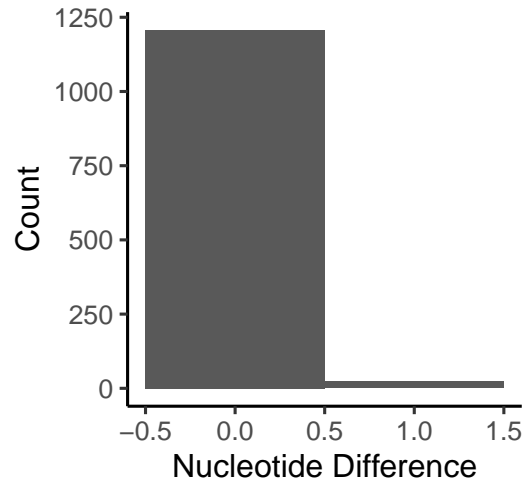
### TRBV14\*ap01

2060 sequences assigned  
2031 (98.6%) exact matches, in which:  
2027 unique CDR3  
13 unique J



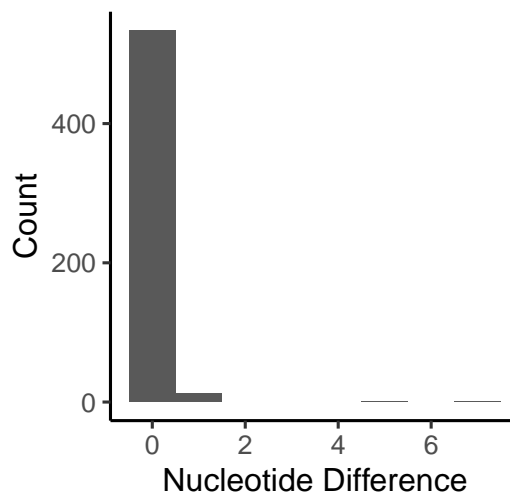
### TRBV20-1\*ap02

1230 sequences assigned  
1207 (98.1%) exact matches, in which:  
1199 unique CDR3  
13 unique J



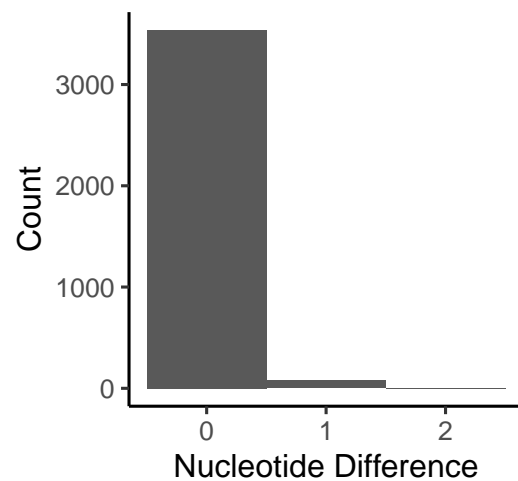
### TRBV1\*ap01

548 sequences assigned  
534 (97.4%) exact matches, in which:  
531 unique CDR3  
13 unique J



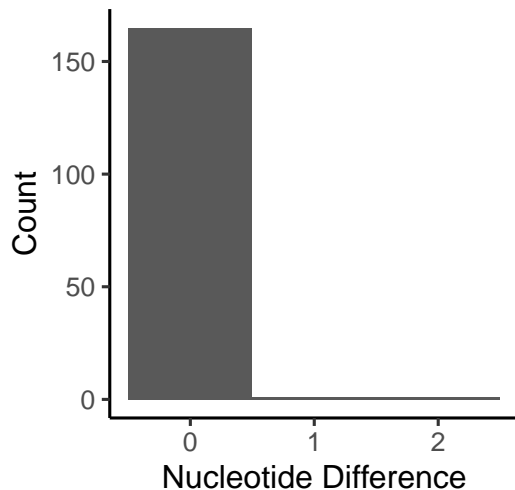
### TRBV15\*ap02

3617 sequences assigned  
3538 (97.8%) exact matches, in which:  
3502 unique CDR3  
13 unique J



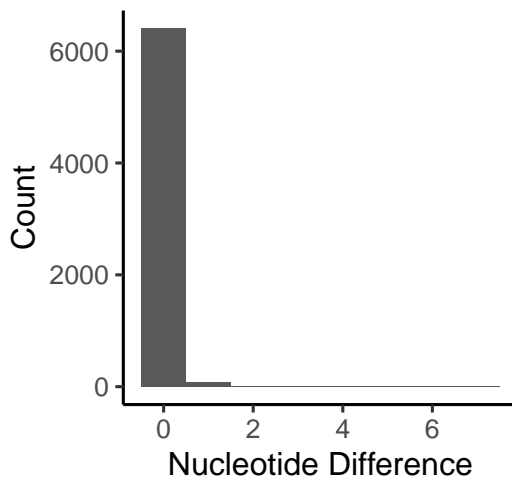
### TRBV16\*ap01

167 sequences assigned  
165 (98.8%) exact matches, in which:  
165 unique CDR3  
13 unique J



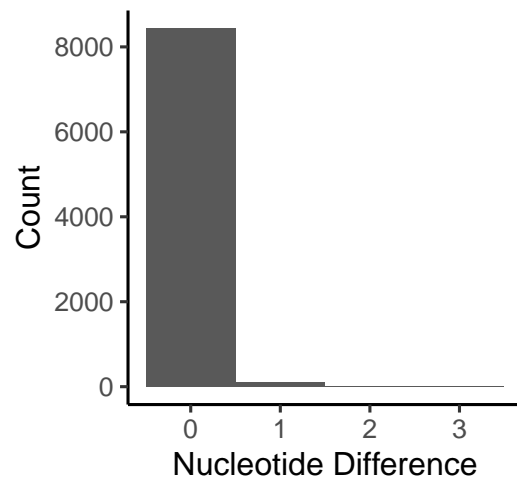
### TRBV19\*ap01

6504 sequences assigned  
6407 (98.5%) exact matches, in which:  
6392 unique CDR3  
13 unique J



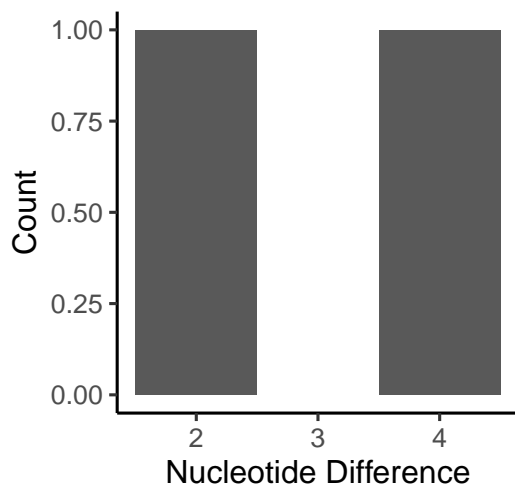
### TRBV28\*ap01

8534 sequences assigned  
8435 (98.8%) exact matches, in which:  
8404 unique CDR3  
13 unique J



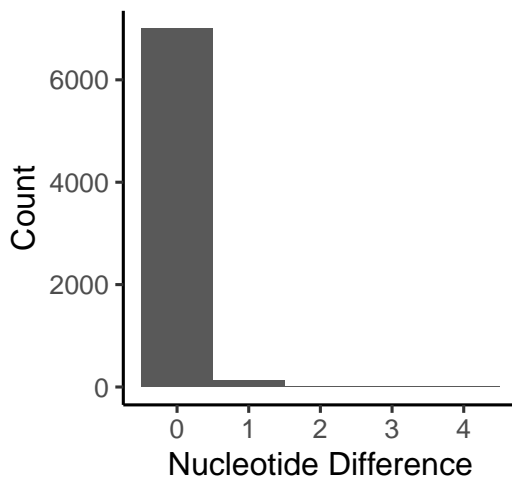
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



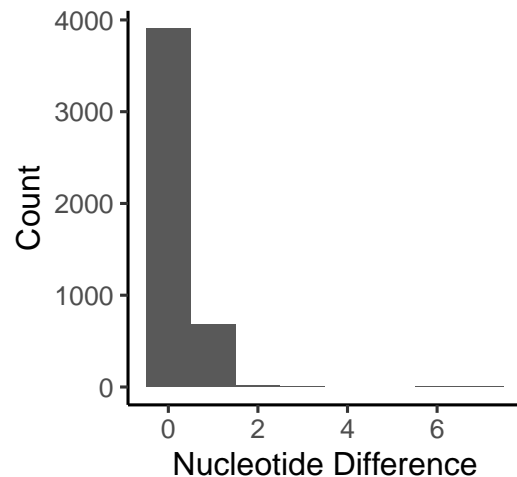
### TRBV2\*ap01

7141 sequences assigned  
6998 (98%) exact matches, in which:  
6960 unique CDR3  
13 unique J



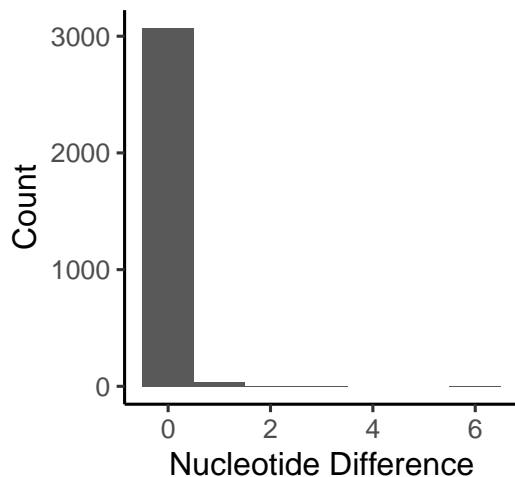
### TRBV30\*ap01

4614 sequences assigned  
3904 (84.6%) exact matches, in which:  
3804 unique CDR3  
13 unique J



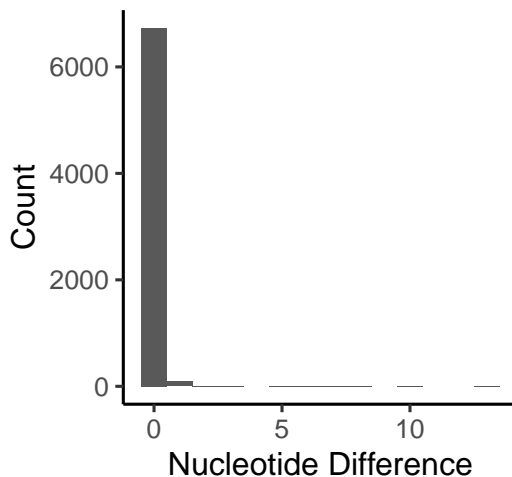
### TRBV18\*ap01

3117 sequences assigned  
3070 (98.5%) exact matches, in which:  
3067 unique CDR3  
13 unique J



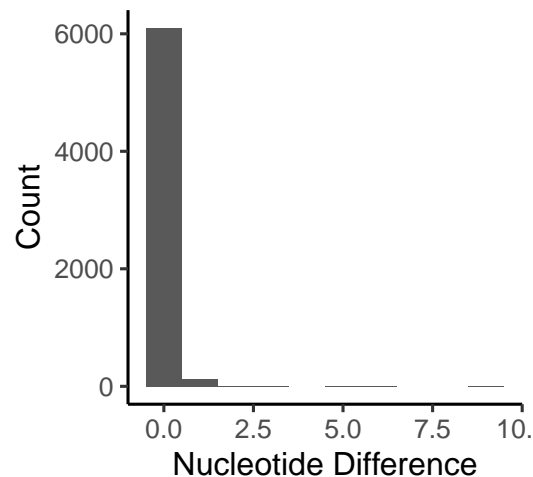
### TRBV27\*ap01

6834 sequences assigned  
6730 (98.5%) exact matches, in which:  
6697 unique CDR3  
13 unique J



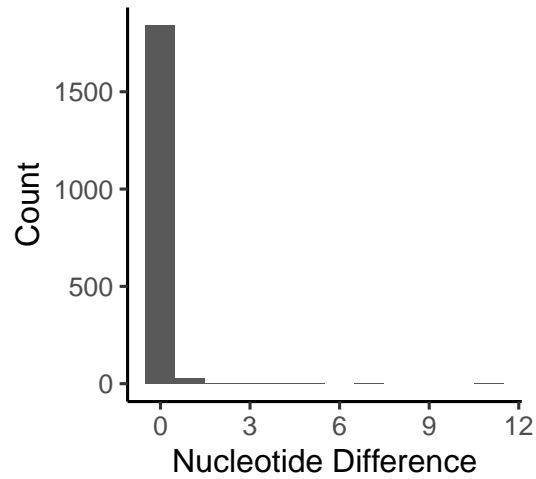
### TRBV9\*ap01

6229 sequences assigned  
6098 (97.9%) exact matches, in which:  
6063 unique CDR3  
13 unique J



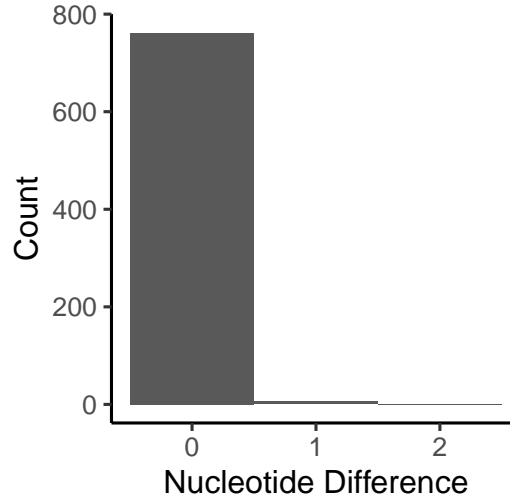
### TRBV21-1\*ap01

1880 sequences assigned  
1841 (97.9%) exact matches, in which:  
1834 unique CDR3  
13 unique J



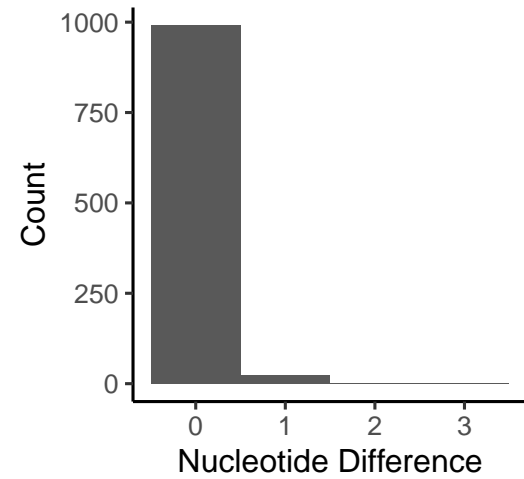
### TRBV11-3\*ap01

769 sequences assigned  
762 (99.1%) exact matches, in which:  
761 unique CDR3  
13 unique J



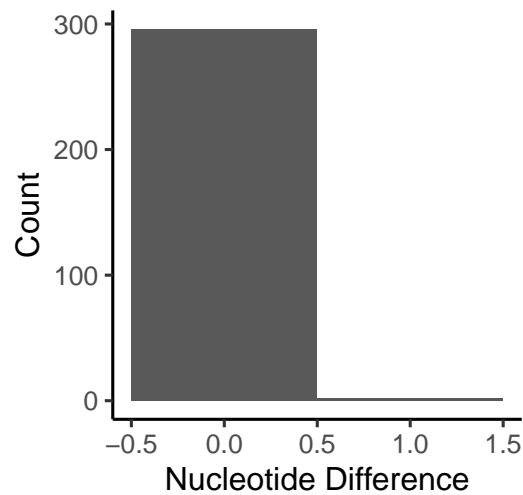
### TRBV12-5\*ap01

1017 sequences assigned  
991 (97.4%) exact matches, in which:  
983 unique CDR3  
13 unique J



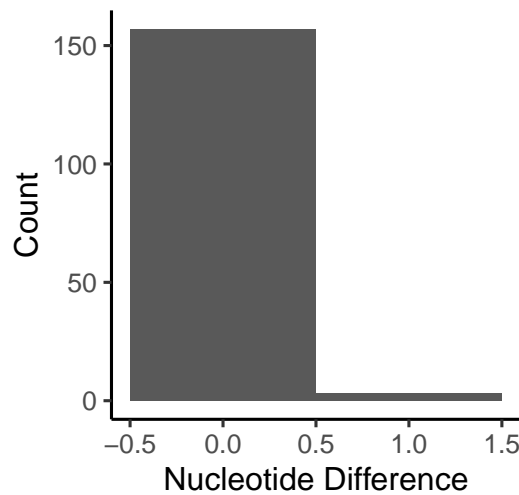
### TRBV11-1\*ap01

298 sequences assigned  
296 (99.3%) exact matches, in which:  
296 unique CDR3  
13 unique J



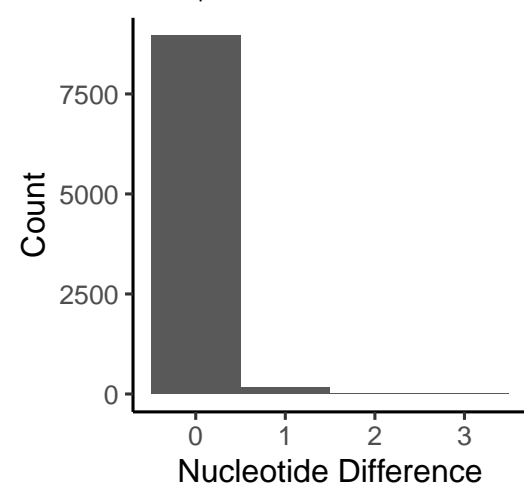
### TRBV12-1\*ap01

160 sequences assigned  
157 (98.1%) exact matches, in which:  
157 unique CDR3  
12 unique J



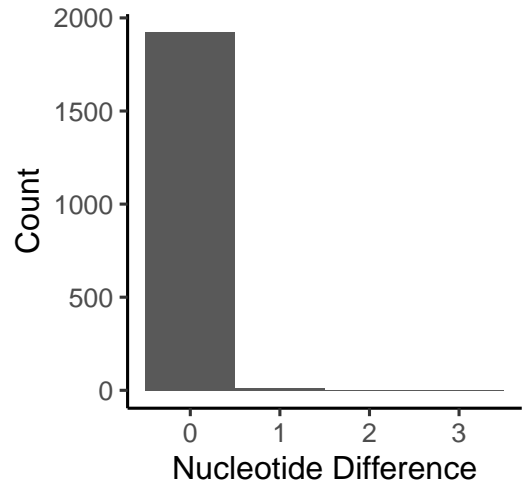
### TRBV12-34\*ap01

9127 sequences assigned  
8955 (98.1%) exact matches, in which:  
8895 unique CDR3  
13 unique J



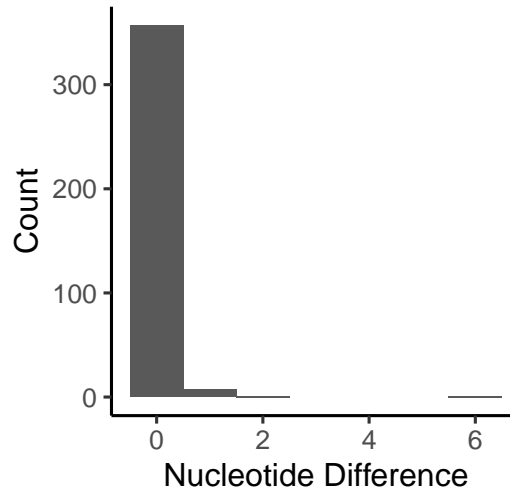
### TRBV11-2\*ap01

1940 sequences assigned  
1924 (99.2%) exact matches, in which:  
1920 unique CDR3  
13 unique J



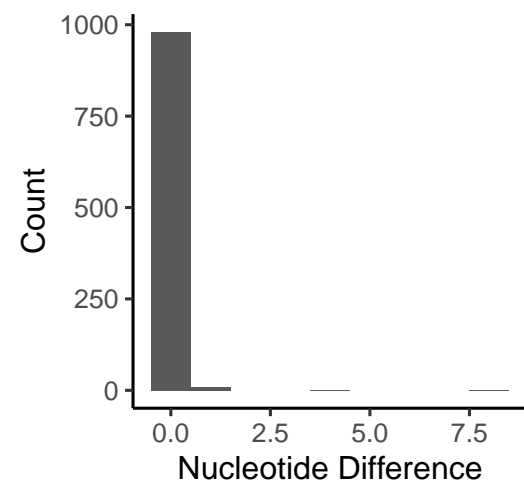
### TRBV12-2\*ap01

366 sequences assigned  
357 (97.5%) exact matches, in which:  
356 unique CDR3  
13 unique J



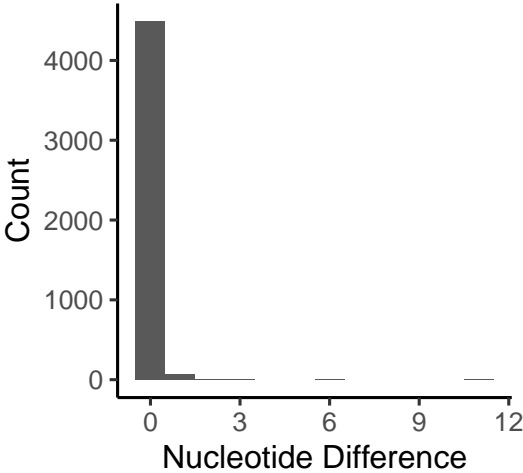
### TRBV23-1\*ap01

991 sequences assigned  
980 (98.9%) exact matches, in which:  
978 unique CDR3  
13 unique J



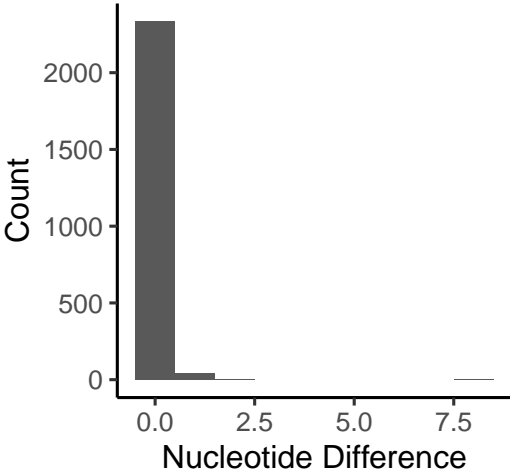
TRBV3-12\*ap01

4562 sequences assigned  
4489 (98.4%) exact matches, in which:  
4477 unique CDR3  
13 unique J



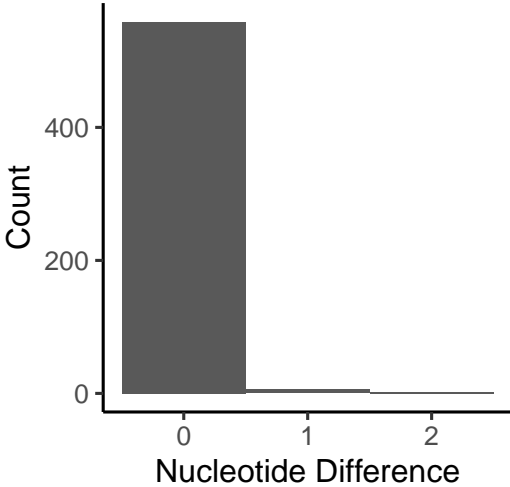
TRBV4-2\*ap01

2377 sequences assigned  
2334 (98.2%) exact matches, in which:  
2315 unique CDR3  
13 unique J



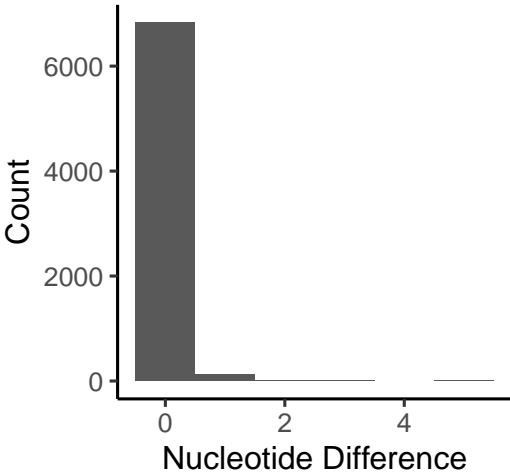
TRBV5-3\*ap01

567 sequences assigned  
559 (98.6%) exact matches, in which:  
555 unique CDR3  
13 unique J



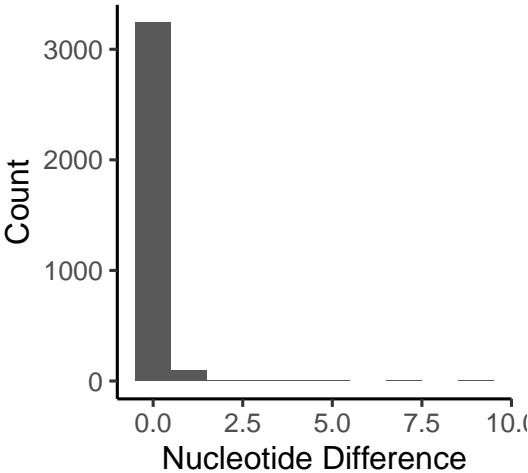
TRBV4-1\*ap01

6951 sequences assigned  
6827 (98.2%) exact matches, in which:  
6755 unique CDR3  
13 unique J



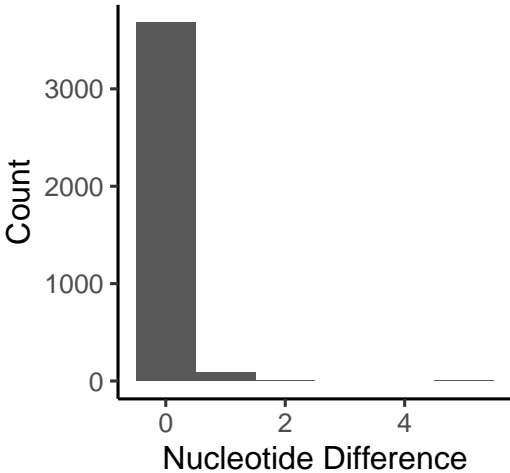
TRBV25-1\*ap01

3346 sequences assigned  
3240 (96.8%) exact matches, in which:  
3188 unique CDR3  
13 unique J



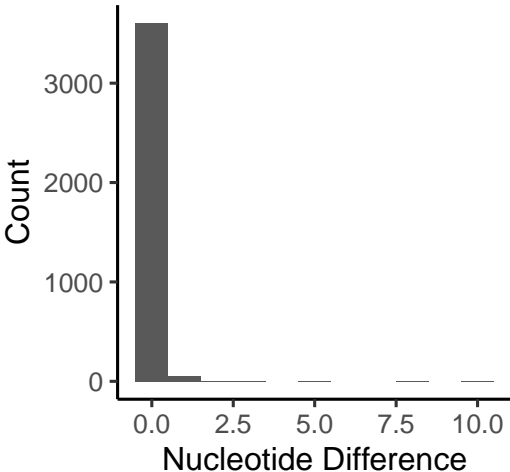
TRBV5-4\*ap01

3772 sequences assigned  
3679 (97.5%) exact matches, in which:  
3651 unique CDR3  
13 unique J



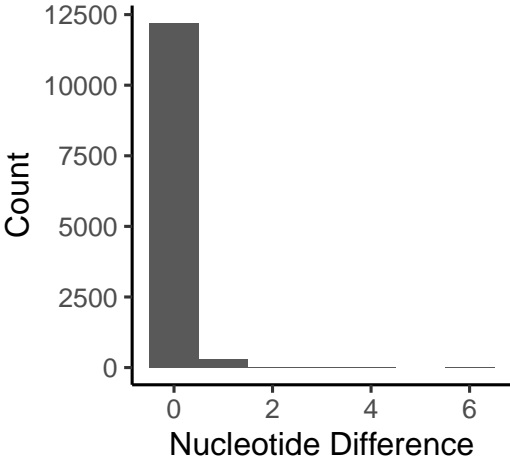
TRBV24-1\*ap01

3666 sequences assigned  
3605 (98.3%) exact matches, in which:  
3574 unique CDR3  
13 unique J



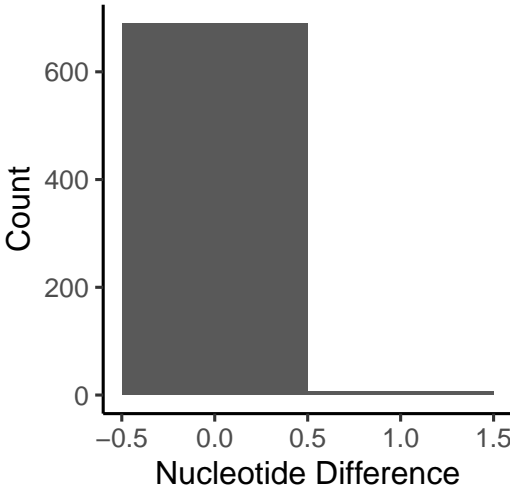
TRBV5-1\*ap01

12529 sequences assigned  
12210 (97.5%) exact matches, in which:  
12135 unique CDR3  
13 unique J



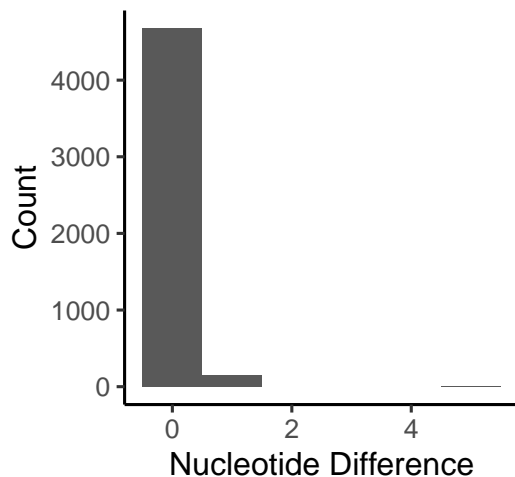
TRBV5-5\*ap01

697 sequences assigned  
690 (99%) exact matches, in which:  
688 unique CDR3  
13 unique J



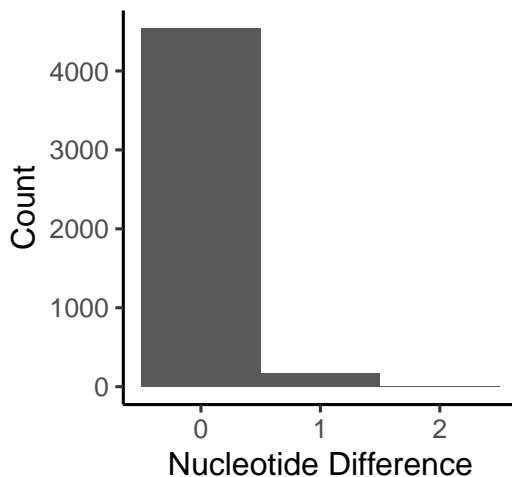
### TRBV5-6\*ap01

4827 sequences assigned  
4675 (96.9%) exact matches, in which:  
4605 unique CDR3  
13 unique J



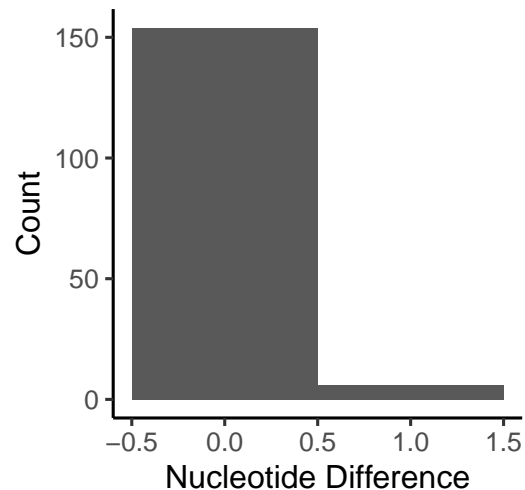
### TRBV6-1\*ap01

4707 sequences assigned  
4539 (96.4%) exact matches, in which:  
4490 unique CDR3  
13 unique J



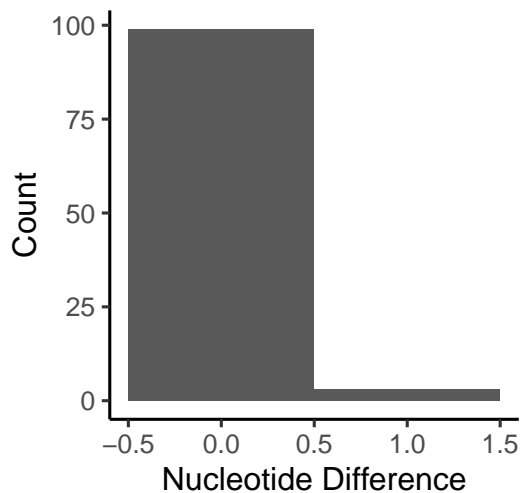
### TRBV6-8\*ap01

160 sequences assigned  
154 (96.2%) exact matches, in which:  
153 unique CDR3  
13 unique J



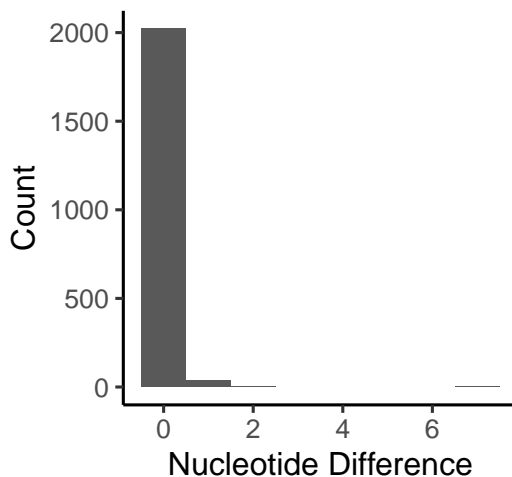
### TRBV5-7\*ap01

102 sequences assigned  
99 (97.1%) exact matches, in which:  
98 unique CDR3  
13 unique J



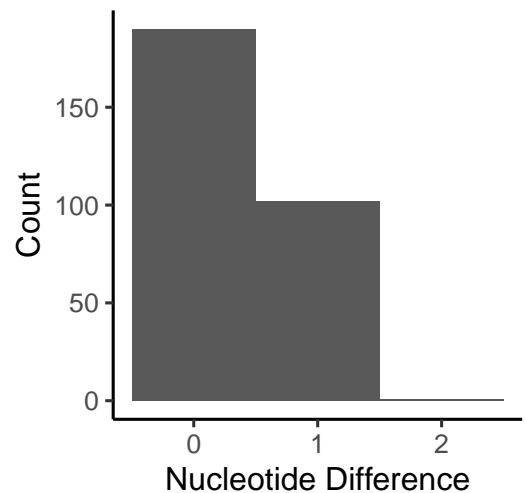
### TRBV6-4\*ap01

2066 sequences assigned  
2022 (97.9%) exact matches, in which:  
2005 unique CDR3  
13 unique J



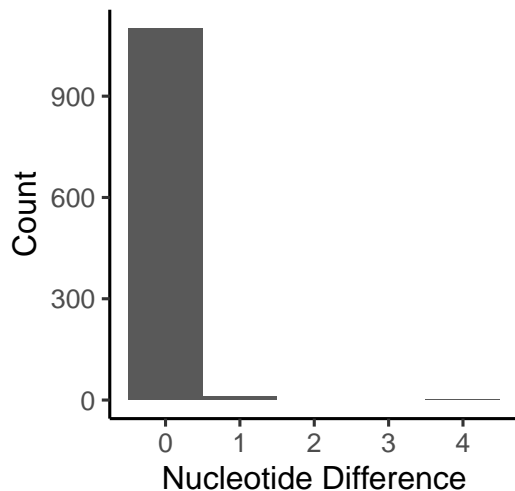
### TRBV6-9\*ap01

293 sequences assigned  
190 (64.8%) exact matches, in which:  
190 unique CDR3  
13 unique J



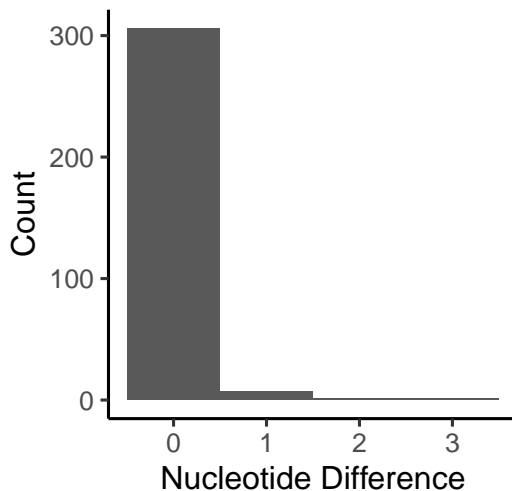
### TRBV5-8\*ap01

1113 sequences assigned  
1101 (98.9%) exact matches, in which:  
1090 unique CDR3  
13 unique J



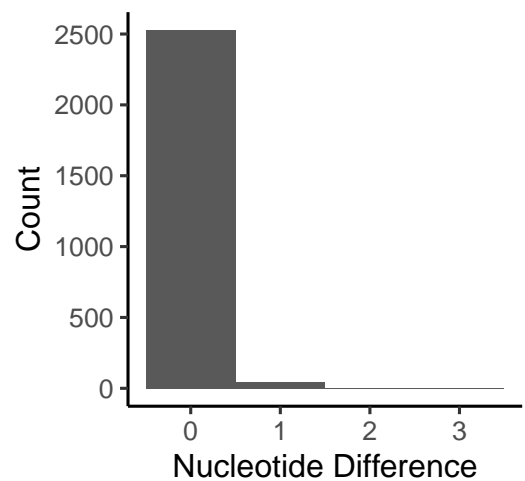
### TRBV6-7\*ap01

315 sequences assigned  
306 (97.1%) exact matches, in which:  
304 unique CDR3  
13 unique J



### TRBV6-23\*ap01

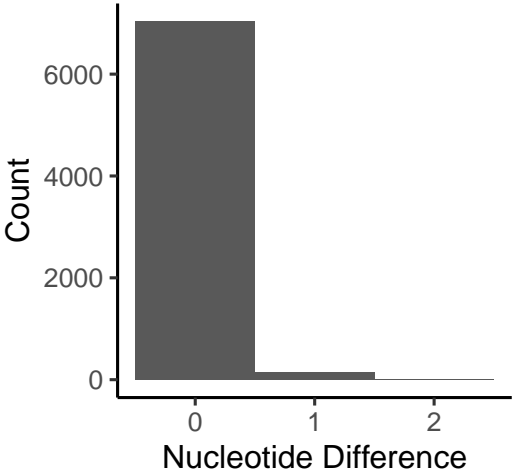
2577 sequences assigned  
2528 (98.1%) exact matches, in which:  
2504 unique CDR3  
13 unique J





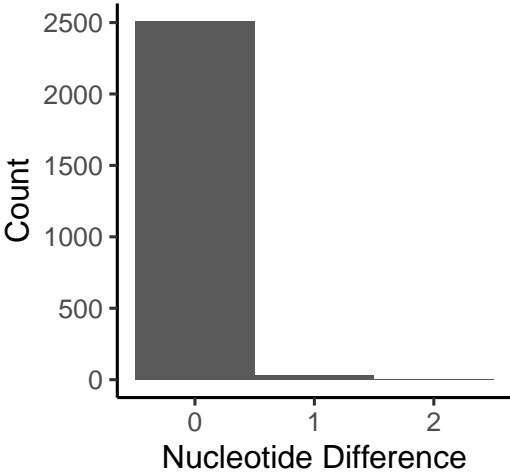
TRBV6-56\*ap01

7175 sequences assigned  
7035 (98%) exact matches, in which:  
6947 unique CDR3  
13 unique J



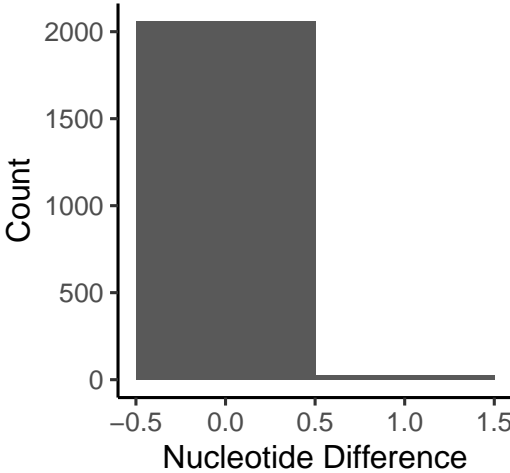
TRBV7-2\*ap01

2543 sequences assigned  
2508 (98.6%) exact matches, in which:  
2501 unique CDR3  
13 unique J



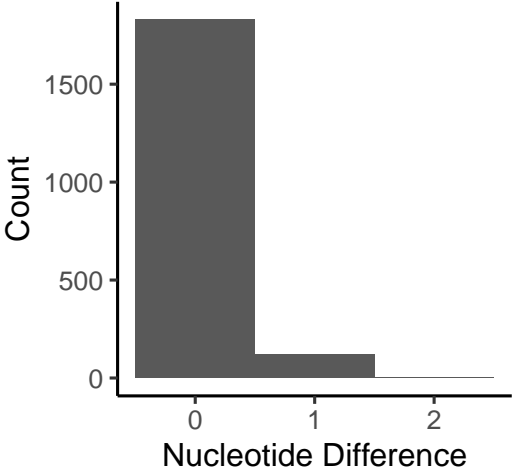
TRBV7-6\*ap01

2085 sequences assigned  
2059 (98.8%) exact matches, in which:  
2046 unique CDR3  
13 unique J



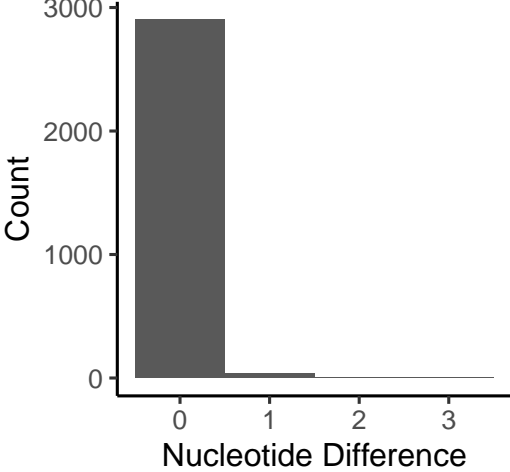
TRBV6-56\*ap02

1951 sequences assigned  
1829 (93.7%) exact matches, in which:  
1806 unique CDR3  
13 unique J



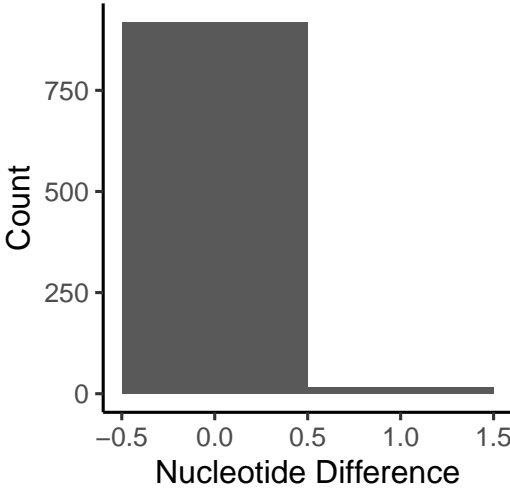
TRBV7-3\*ap01

2944 sequences assigned  
2901 (98.5%) exact matches, in which:  
2890 unique CDR3  
13 unique J



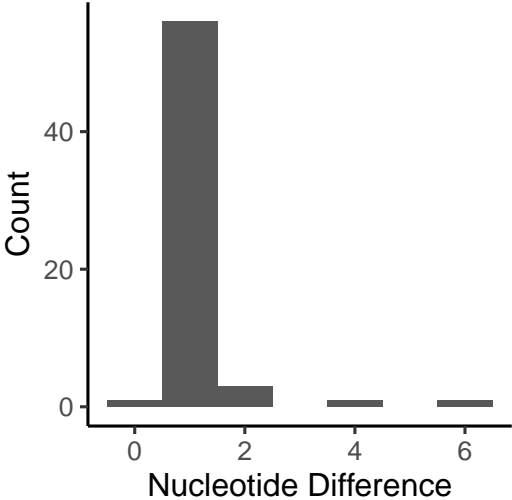
TRBV7-7\*ap01\_C315T

934 sequences assigned  
919 (98.4%) exact matches, in which:  
911 unique CDR3  
13 unique J



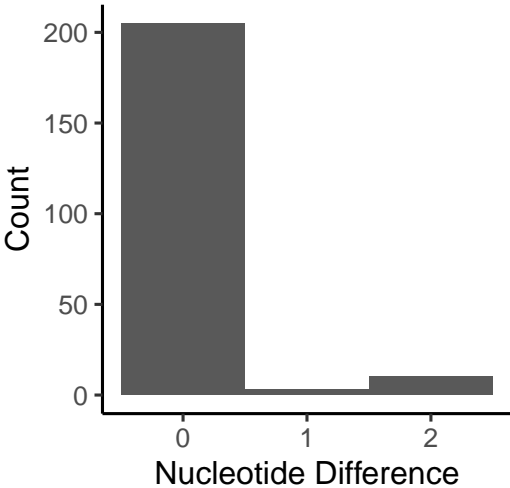
TRBV7-1\*ap01\_T296C

62 sequences assigned  
1 (1.6%) exact matches, in which:  
1 unique CDR3  
1 unique J



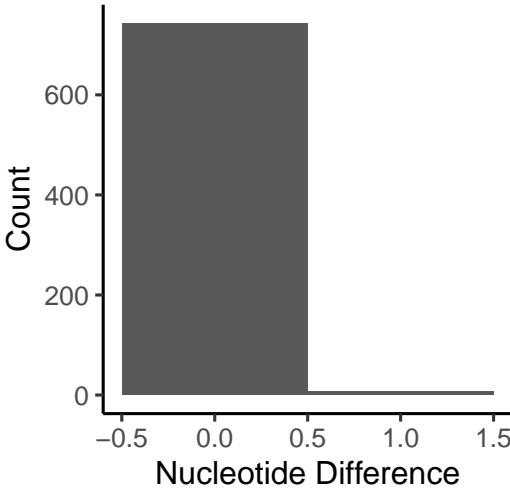
TRBV7-4\*ap01

218 sequences assigned  
205 (94%) exact matches, in which:  
204 unique CDR3  
13 unique J



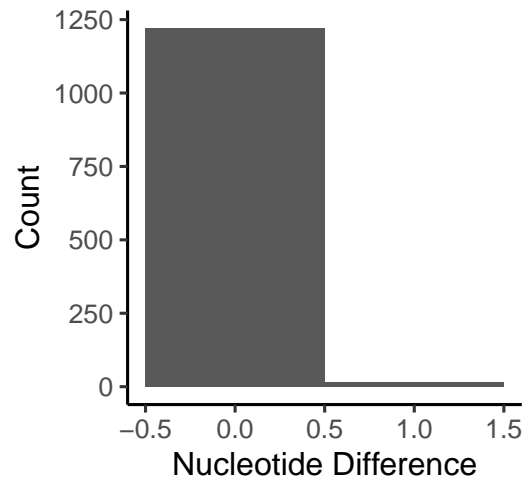
TRBV7-8\*ap01

751 sequences assigned  
743 (98.9%) exact matches, in which:  
738 unique CDR3  
13 unique J



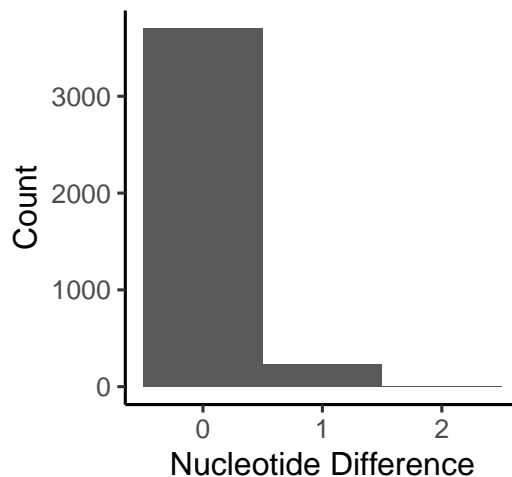
### TRBV7-8\*ap02

1235 sequences assigned  
1220 (98.8%) exact matches, in which:  
1218 unique CDR3  
13 unique J



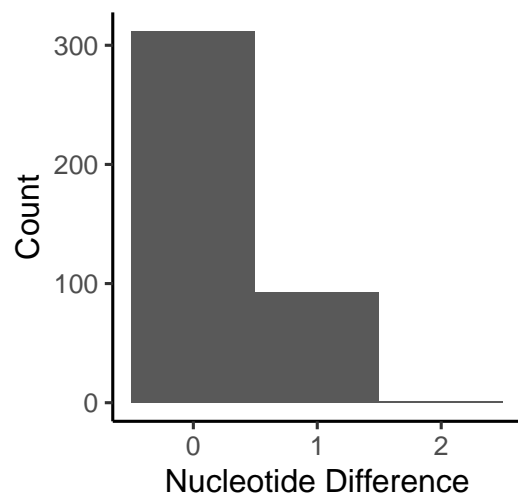
### TRBV29-1\*ap01

3940 sequences assigned  
3701 (93.9%) exact matches, in which:  
3648 unique CDR3  
13 unique J



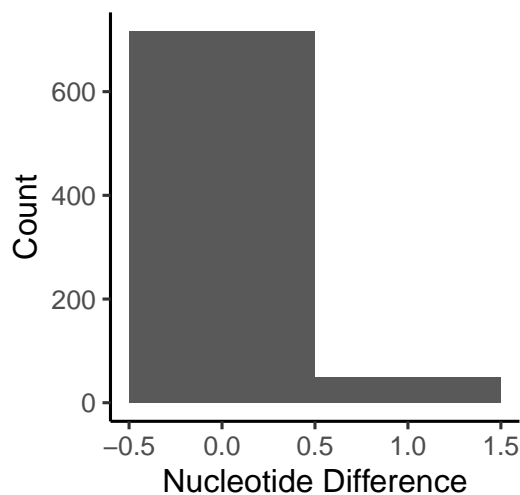
### TRBV7-8\*ap03

406 sequences assigned  
312 (76.8%) exact matches, in which:  
312 unique CDR3  
12 unique J



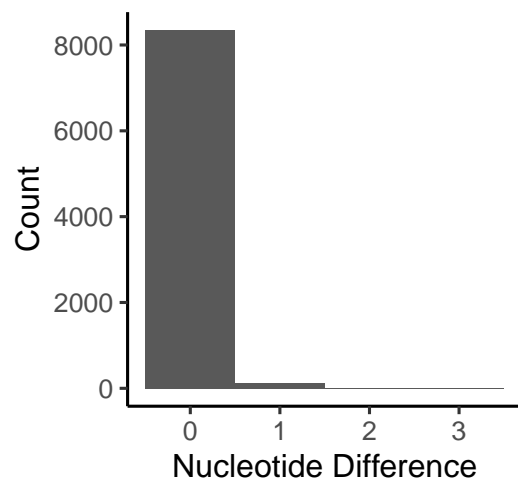
### TRBV29-1\*ap02

766 sequences assigned  
717 (93.6%) exact matches, in which:  
711 unique CDR3  
13 unique J

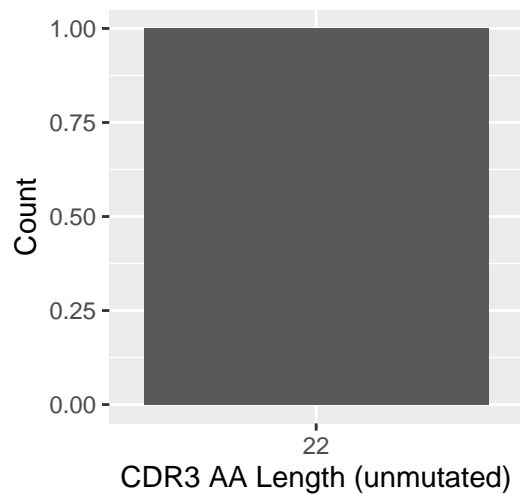


### TRBV7-9\*ap01

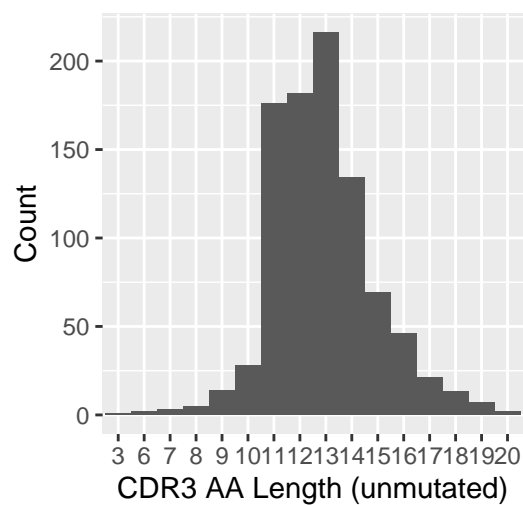
8471 sequences assigned  
8348 (98.5%) exact matches, in which:  
8300 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.