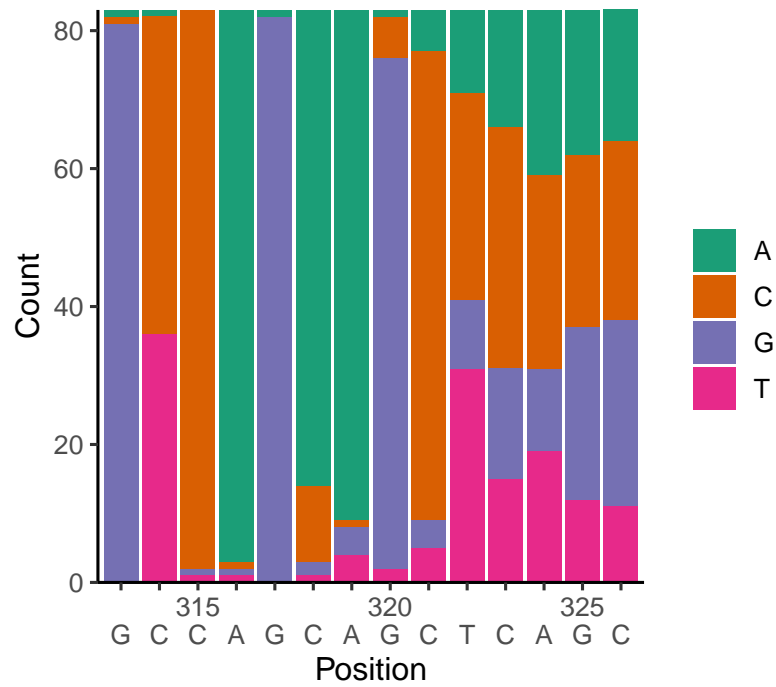
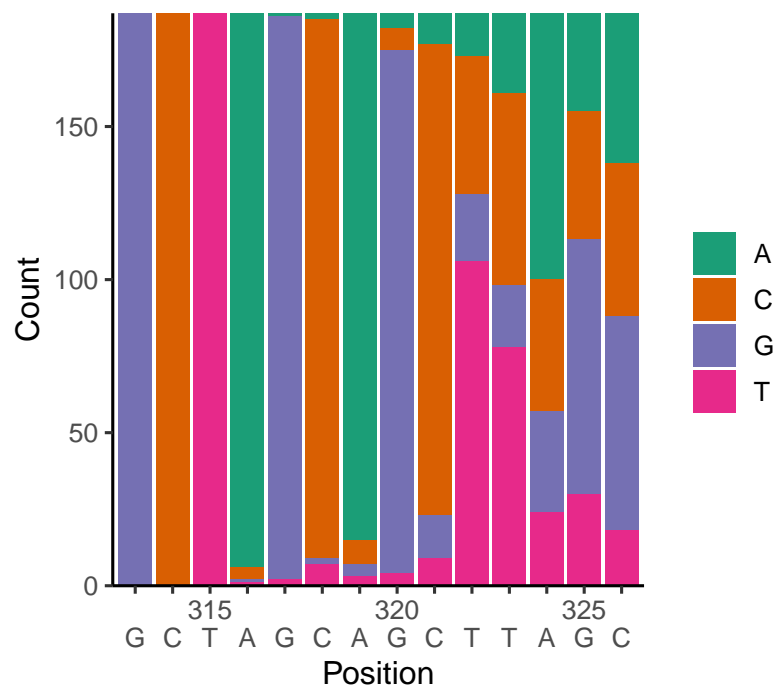


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



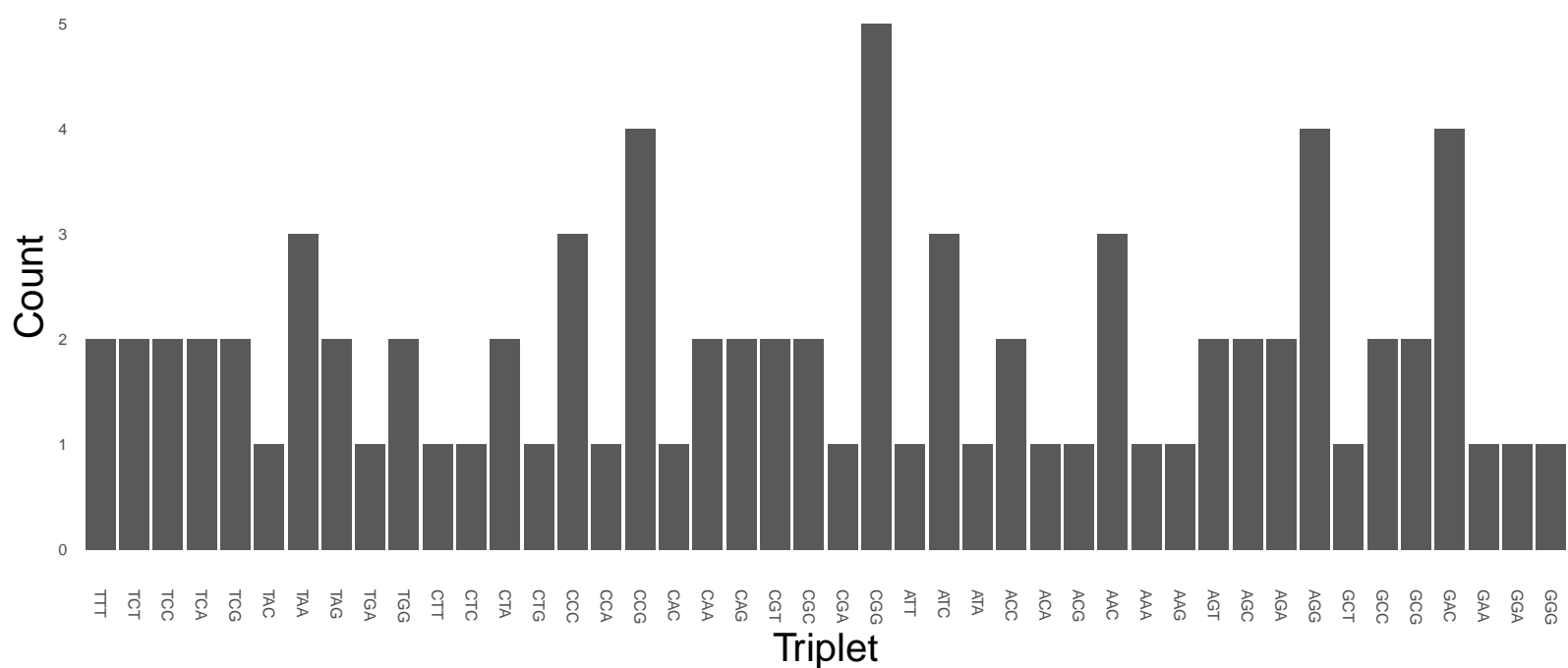
Gene TRBV7-1\*ap01\_T296C



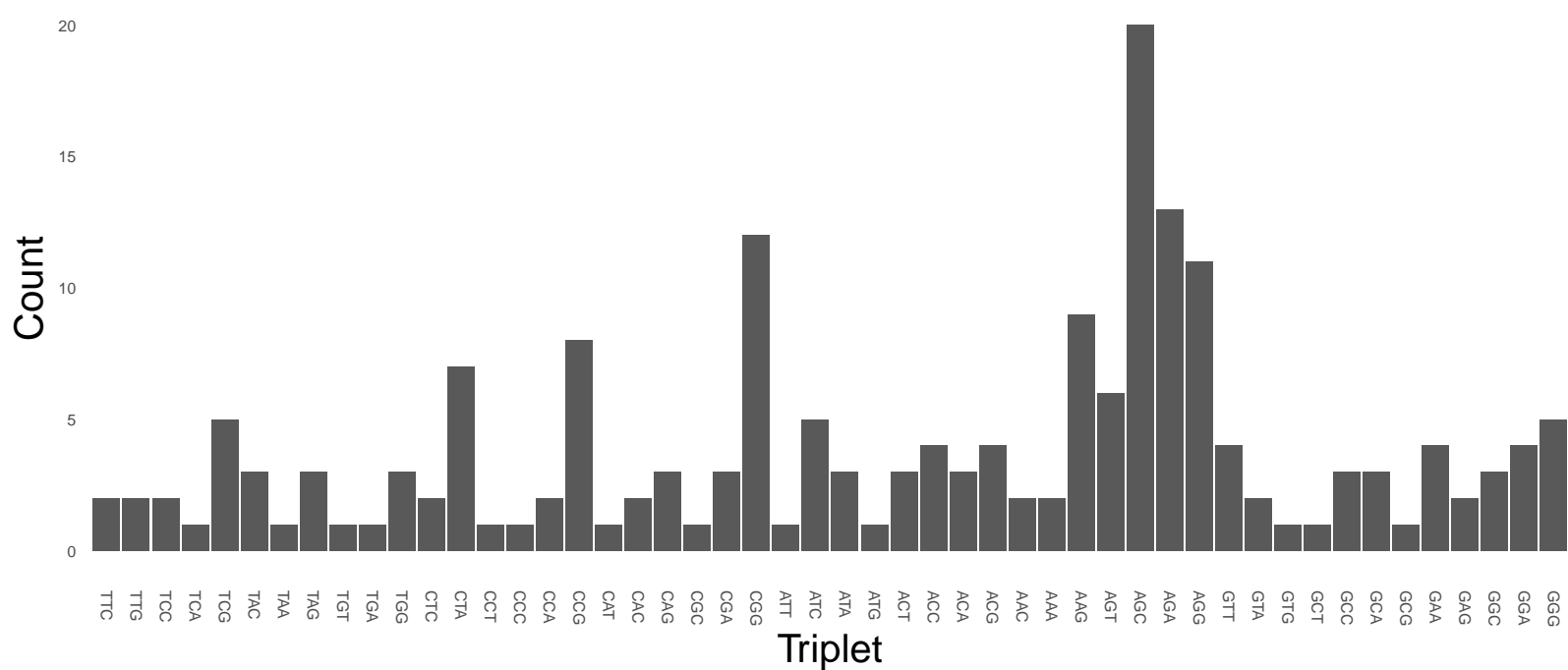
Gene TRBV7-7\*ap01\_C315T



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

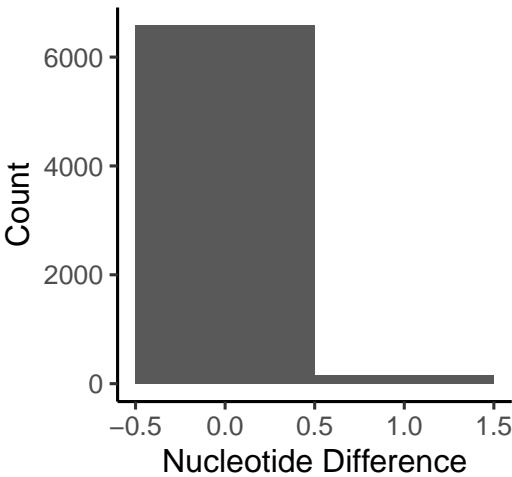


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



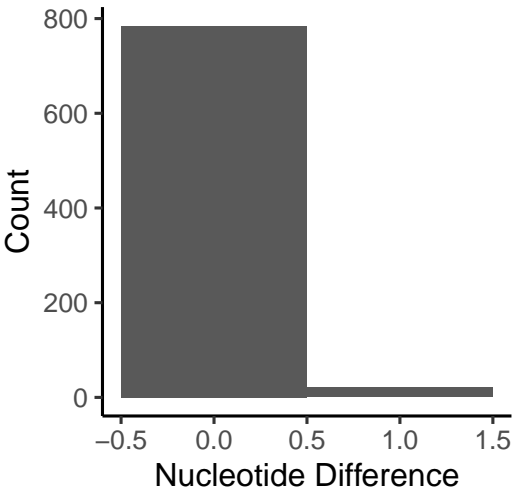
TRBV20-1\*ap01

6734 sequences assigned  
6582 (97.7%) exact matches, in which:  
6514 unique CDR3  
13 unique J



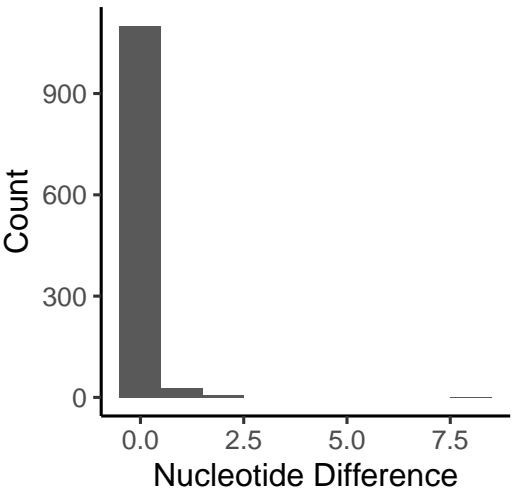
TRBV10-2\*ap01

806 sequences assigned  
785 (97.4%) exact matches, in which:  
778 unique CDR3  
13 unique J



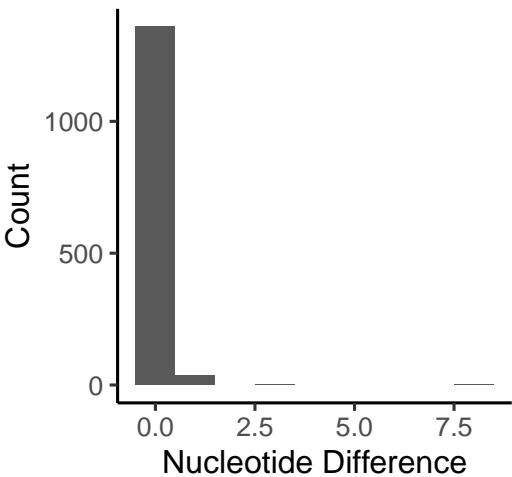
TRBV13\*ap01

1139 sequences assigned  
1101 (96.7%) exact matches, in which:  
1075 unique CDR3  
13 unique J



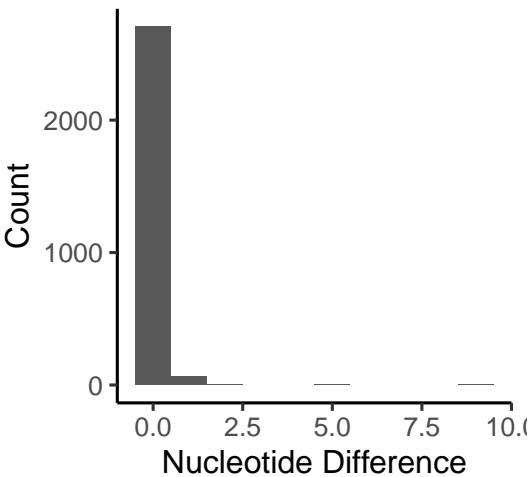
TRBV10-1\*ap01

1397 sequences assigned  
1359 (97.3%) exact matches, in which:  
1348 unique CDR3  
13 unique J



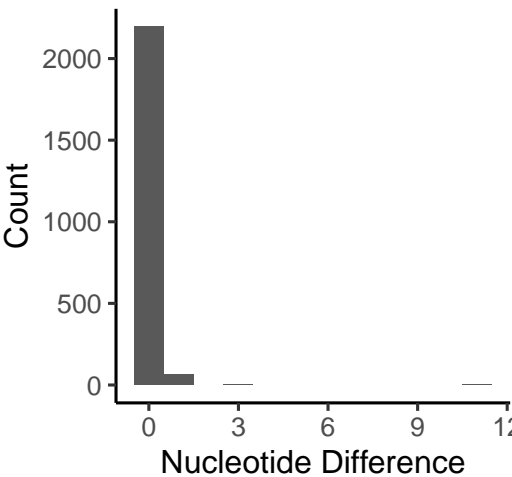
TRBV10-3\*ap01

2771 sequences assigned  
2705 (97.6%) exact matches, in which:  
2678 unique CDR3  
13 unique J



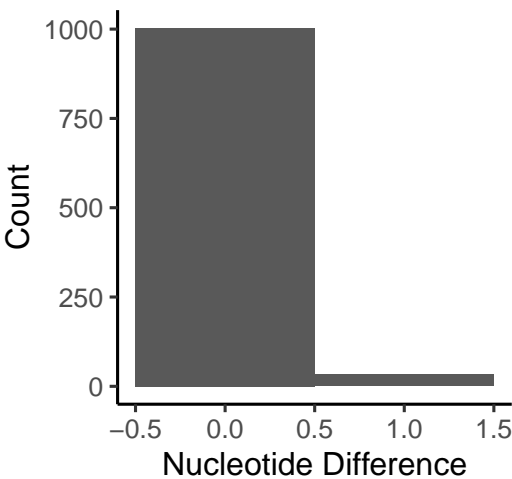
TRBV14\*ap01

2264 sequences assigned  
2195 (97%) exact matches, in which:  
2171 unique CDR3  
13 unique J



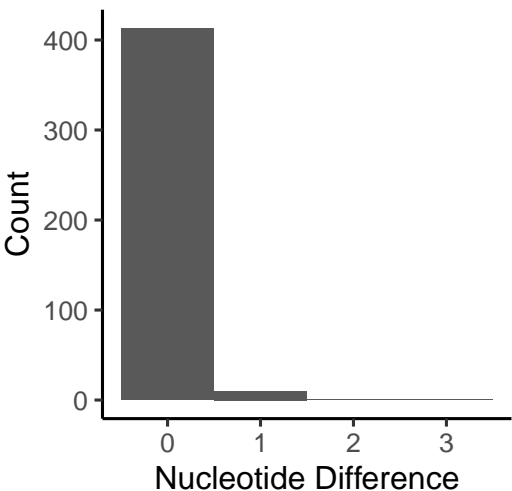
TRBV20-1\*ap02

1036 sequences assigned  
1003 (96.8%) exact matches, in which:  
995 unique CDR3  
13 unique J



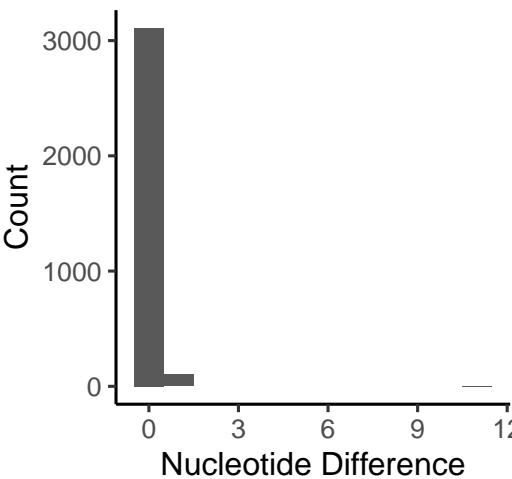
TRBV1\*ap01

425 sequences assigned  
413 (97.2%) exact matches, in which:  
408 unique CDR3  
13 unique J



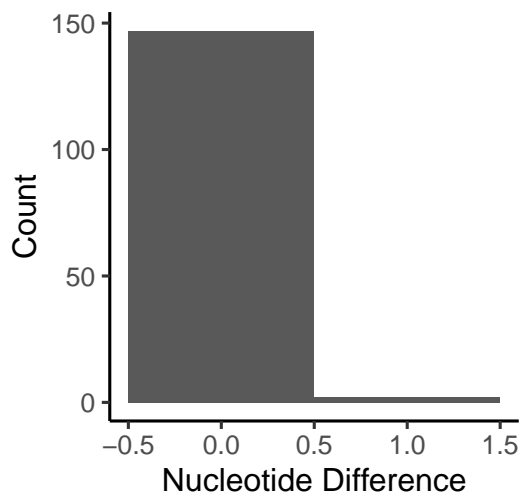
TRBV15\*ap02

3213 sequences assigned  
3109 (96.8%) exact matches, in which:  
3053 unique CDR3  
13 unique J



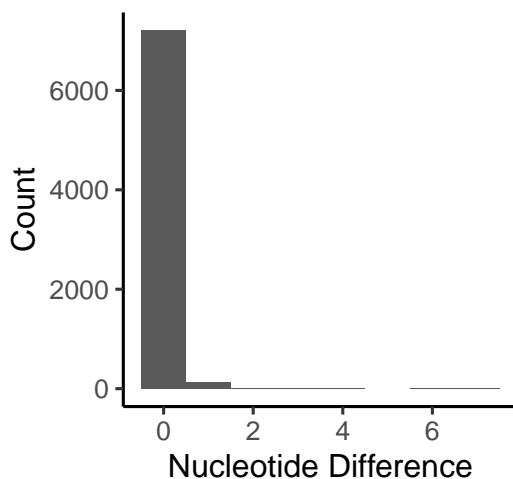
### TRBV16\*ap01

149 sequences assigned  
147 (98.7%) exact matches, in which:  
147 unique CDR3  
13 unique J



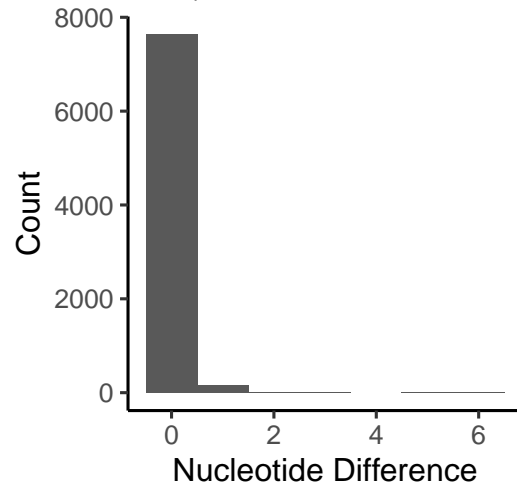
### TRBV19\*ap01

7352 sequences assigned  
7207 (98%) exact matches, in which:  
7171 unique CDR3  
13 unique J



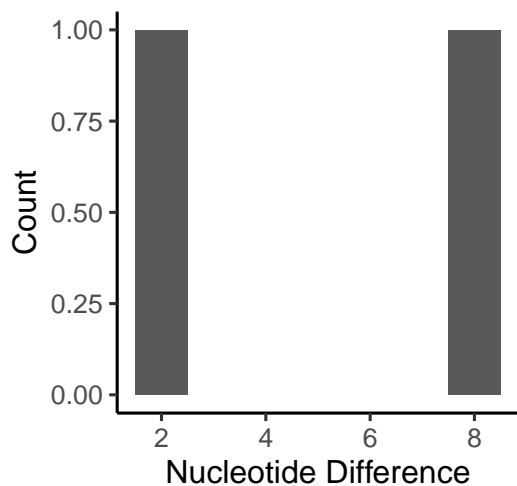
### TRBV27\*ap01

7810 sequences assigned  
7635 (97.8%) exact matches, in which:  
7553 unique CDR3  
13 unique J



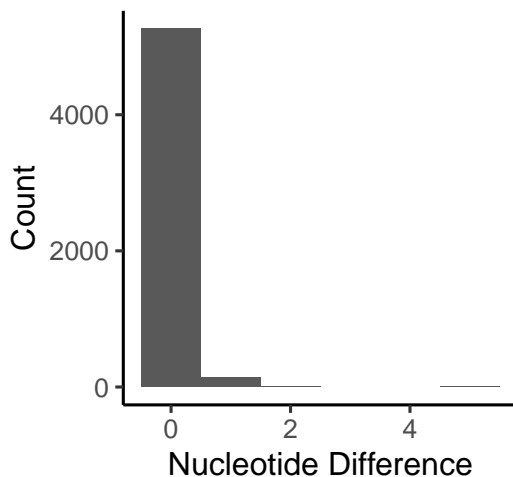
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



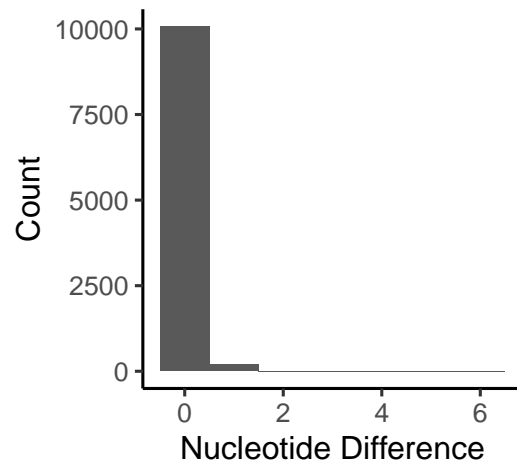
### TRBV2\*ap01

5412 sequences assigned  
5264 (97.3%) exact matches, in which:  
5206 unique CDR3  
13 unique J



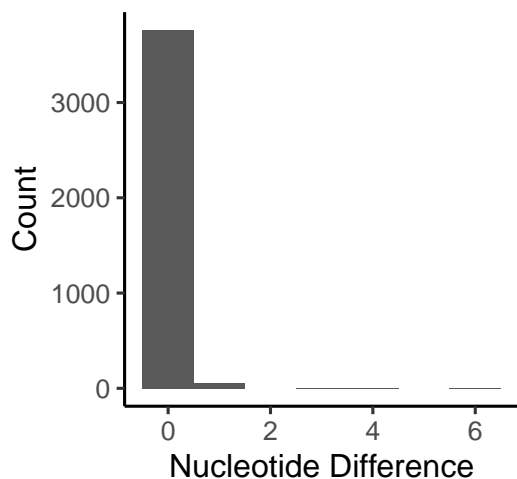
### TRBV28\*ap01

10288 sequences assigned  
10072 (97.9%) exact matches, in which:  
9968 unique CDR3  
13 unique J



### TRBV18\*ap01

3821 sequences assigned  
3761 (98.4%) exact matches, in which:  
3726 unique CDR3  
13 unique J



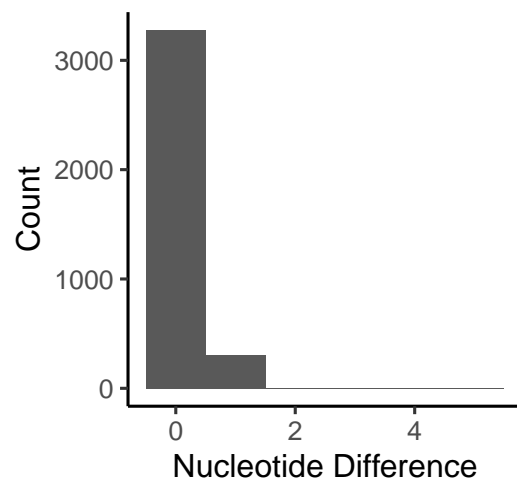
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



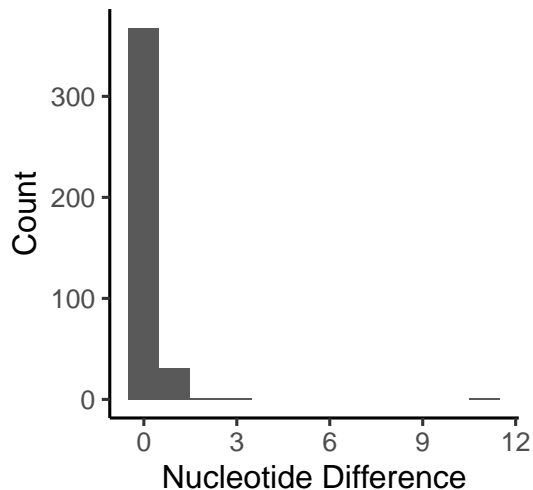
### TRBV30\*ap01

3589 sequences assigned  
3277 (91.3%) exact matches, in which:  
3150 unique CDR3  
13 unique J



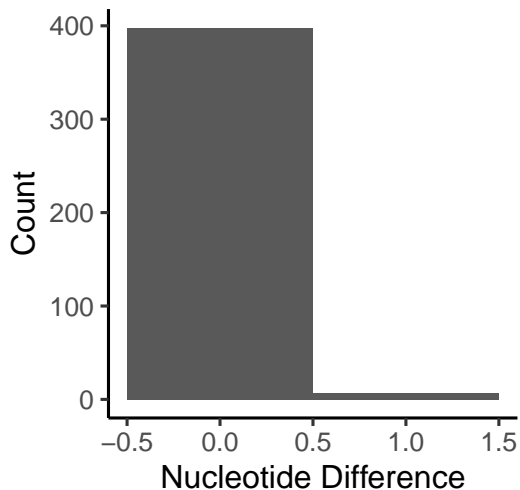
### TRBV30\*ap02

402 sequences assigned  
368 (91.5%) exact matches, in which:  
353 unique CDR3  
13 unique J



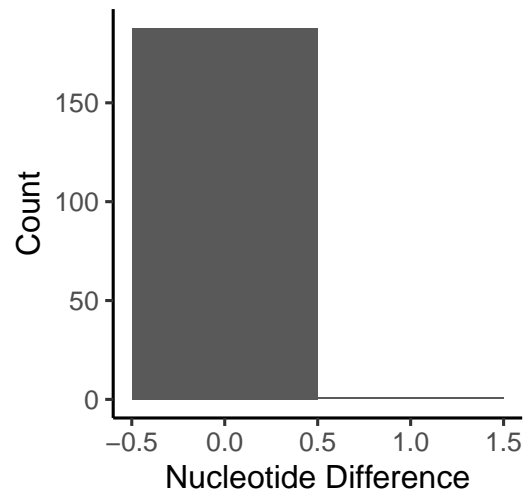
### TRBV11-1\*ap01

405 sequences assigned  
398 (98.3%) exact matches, in which:  
397 unique CDR3  
13 unique J



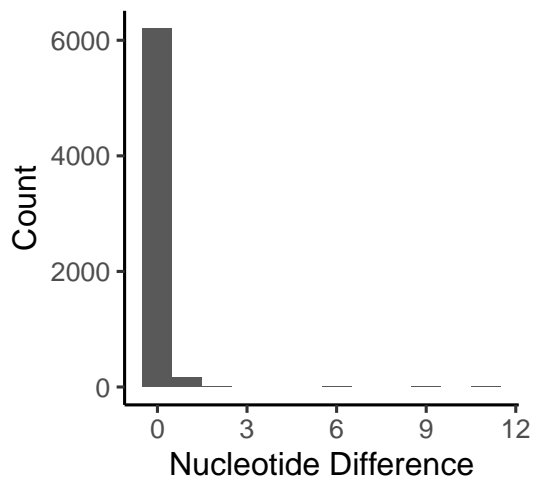
### TRBV12-1\*ap01

189 sequences assigned  
188 (99.5%) exact matches, in which:  
186 unique CDR3  
12 unique J



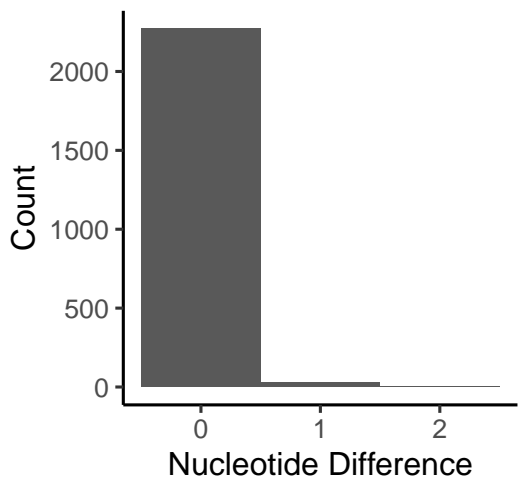
### TRBV9\*ap01

6363 sequences assigned  
6200 (97.4%) exact matches, in which:  
6149 unique CDR3  
13 unique J



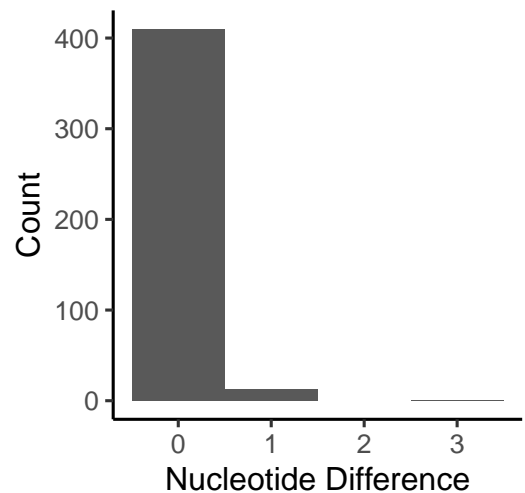
### TRBV11-2\*ap01

2299 sequences assigned  
2271 (98.8%) exact matches, in which:  
2258 unique CDR3  
13 unique J



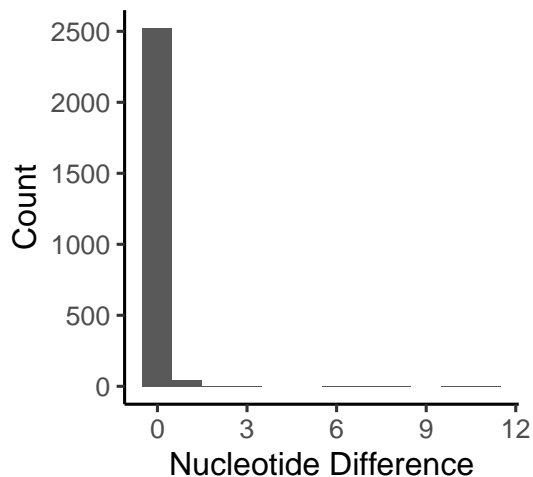
### TRBV12-2\*ap01

424 sequences assigned  
410 (96.7%) exact matches, in which:  
400 unique CDR3  
13 unique J



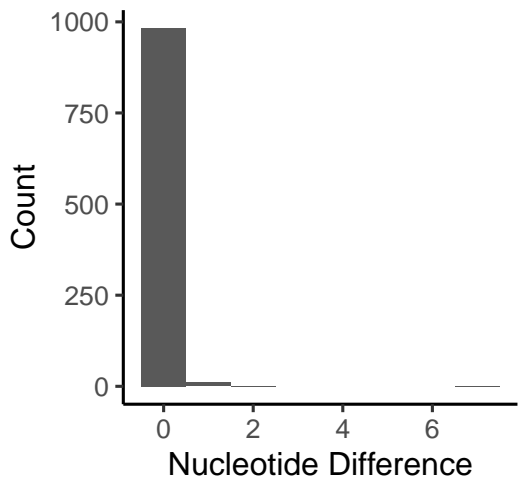
### TRBV21-1\*ap01

2580 sequences assigned  
2523 (97.8%) exact matches, in which:  
2504 unique CDR3  
13 unique J



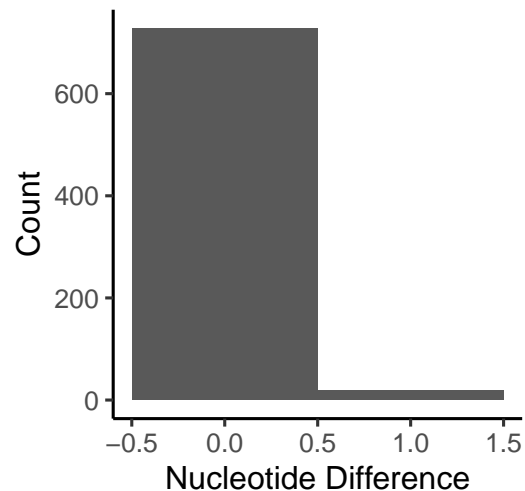
### TRBV11-3\*ap01

996 sequences assigned  
983 (98.7%) exact matches, in which:  
979 unique CDR3  
13 unique J



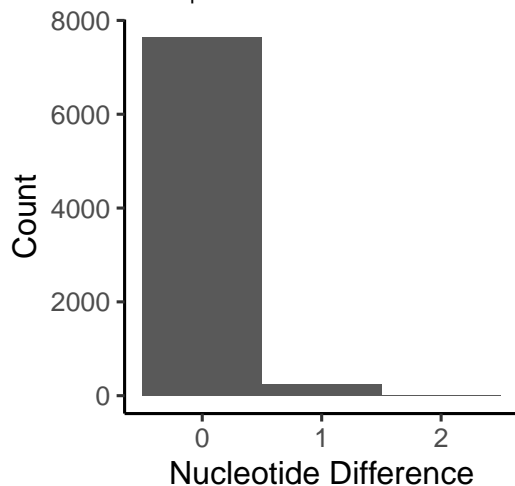
### TRBV12-5\*ap01

746 sequences assigned  
728 (97.6%) exact matches, in which:  
721 unique CDR3  
13 unique J



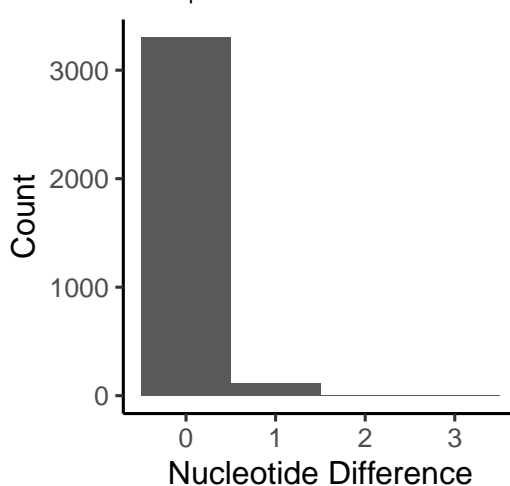
### TRBV12-34\*ap01

7877 sequences assigned  
7638 (97%) exact matches, in which:  
7534 unique CDR3  
13 unique J



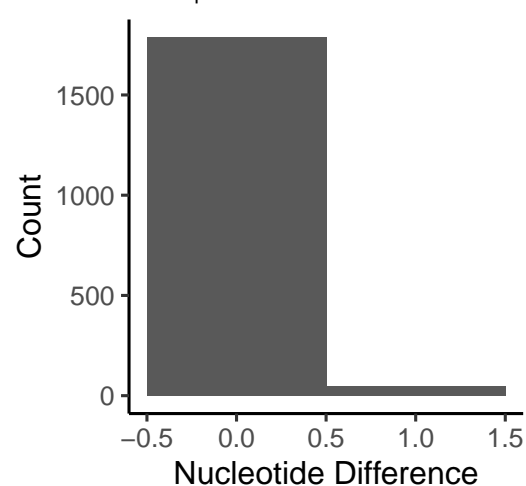
### TRBV4-1\*ap01

3416 sequences assigned  
3302 (96.7%) exact matches, in which:  
3221 unique CDR3  
13 unique J



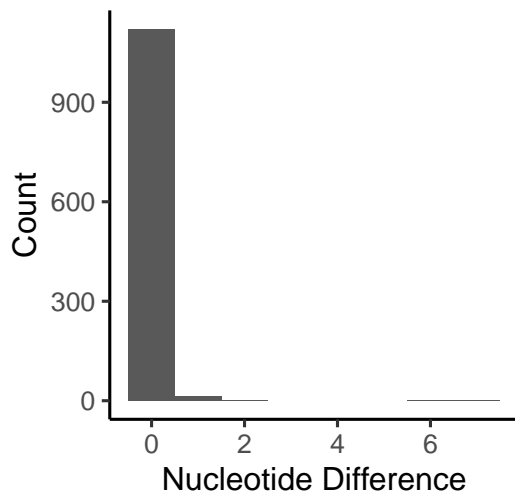
### TRBV4-3\*ap01

1836 sequences assigned  
1787 (97.3%) exact matches, in which:  
1762 unique CDR3  
13 unique J



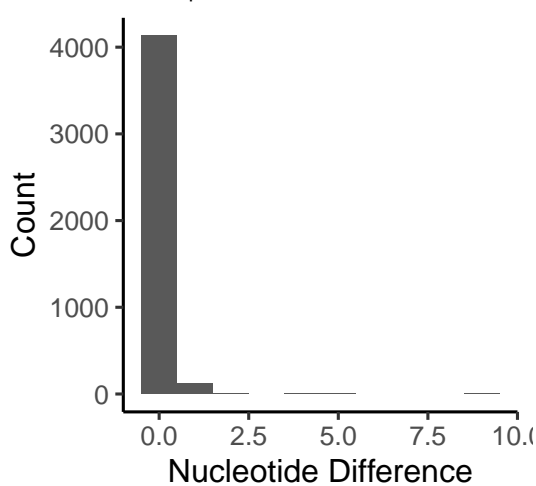
### TRBV23-1\*ap01

1139 sequences assigned  
1121 (98.4%) exact matches, in which:  
1110 unique CDR3  
13 unique J



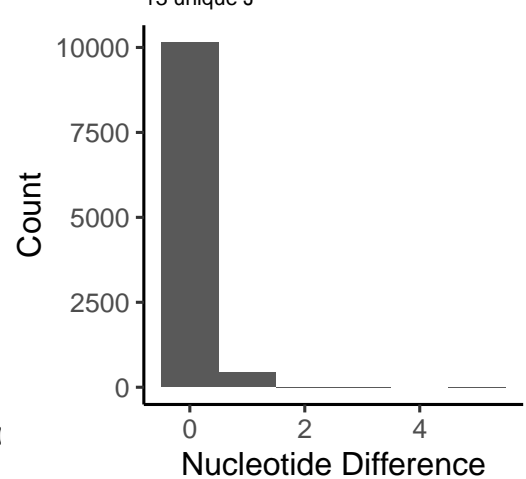
### TRBV24-1\*ap01

4261 sequences assigned  
4132 (97%) exact matches, in which:  
4054 unique CDR3  
13 unique J



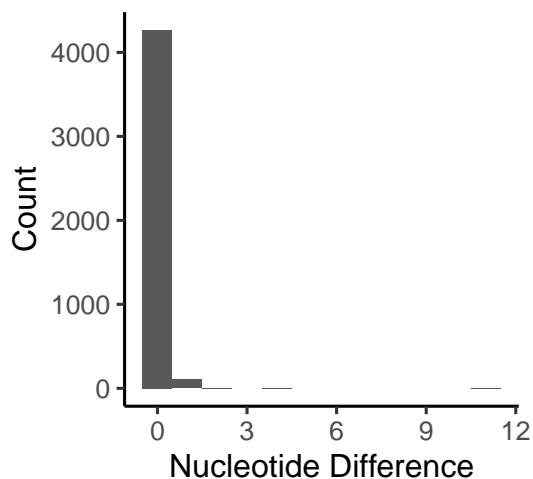
### TRBV5-1\*ap01

10587 sequences assigned  
10147 (95.8%) exact matches, in which:  
9976 unique CDR3  
13 unique J



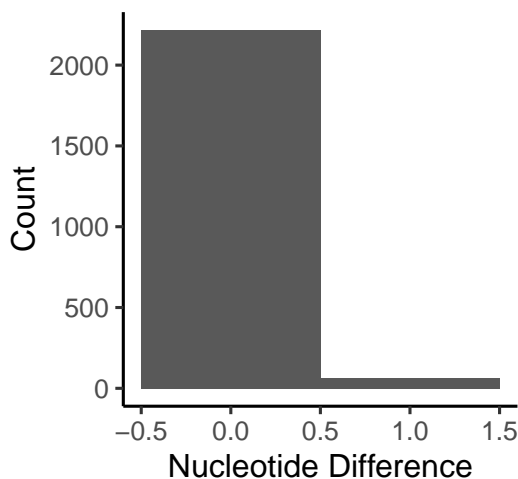
### TRBV3-12\*ap01

4377 sequences assigned  
4266 (97.5%) exact matches, in which:  
4236 unique CDR3  
13 unique J



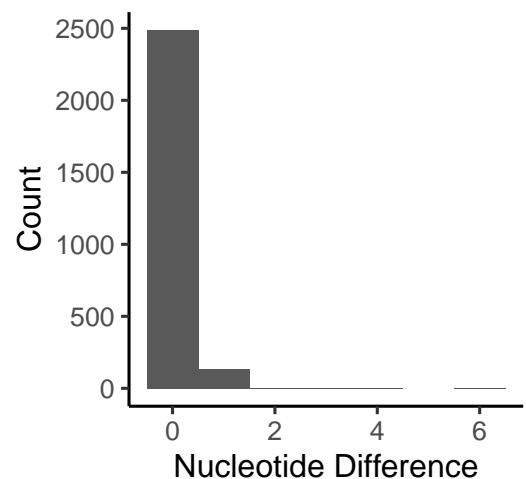
### TRBV4-2\*ap01

2280 sequences assigned  
2217 (97.2%) exact matches, in which:  
2163 unique CDR3  
13 unique J



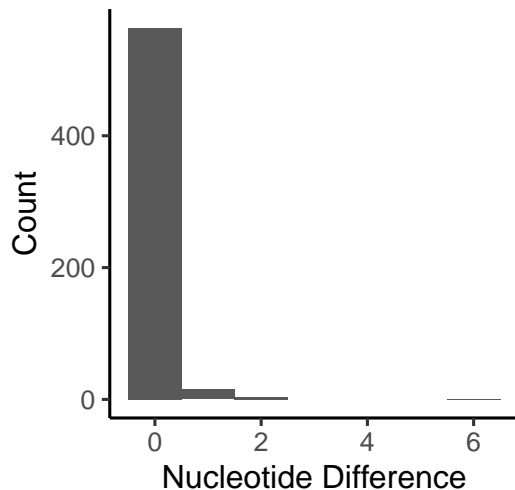
### TRBV25-1\*ap01

2630 sequences assigned  
2488 (94.6%) exact matches, in which:  
2417 unique CDR3  
13 unique J



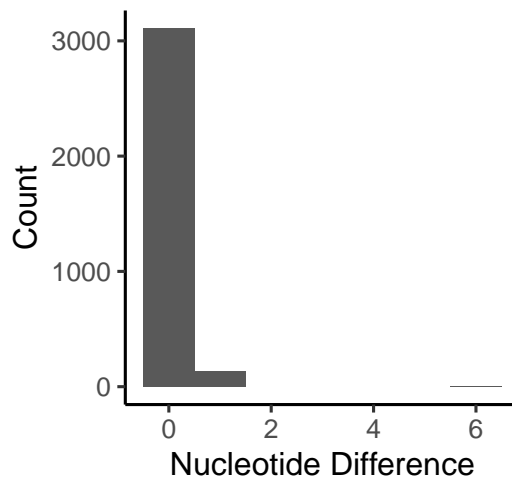
### TRBV5-3\*ap01

584 sequences assigned  
564 (96.6%) exact matches, in which:  
554 unique CDR3  
13 unique J



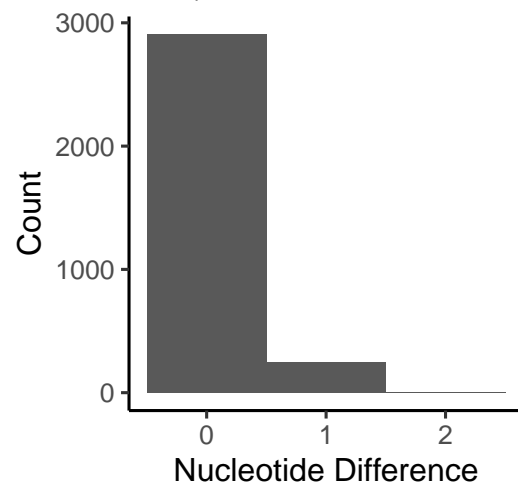
### TRBV5-6\*ap01

3247 sequences assigned  
3108 (95.7%) exact matches, in which:  
3016 unique CDR3  
13 unique J



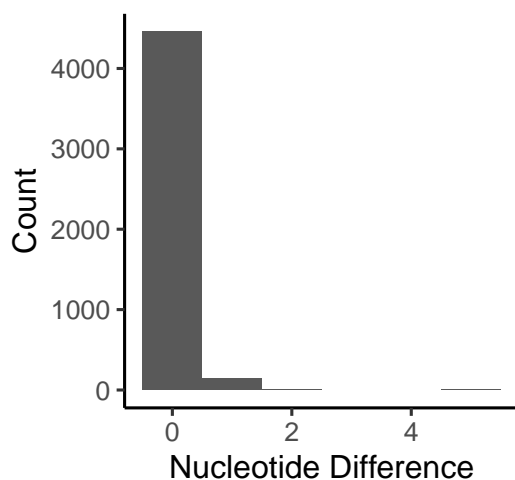
### TRBV6-1\*ap01

3160 sequences assigned  
2906 (92%) exact matches, in which:  
2846 unique CDR3  
13 unique J



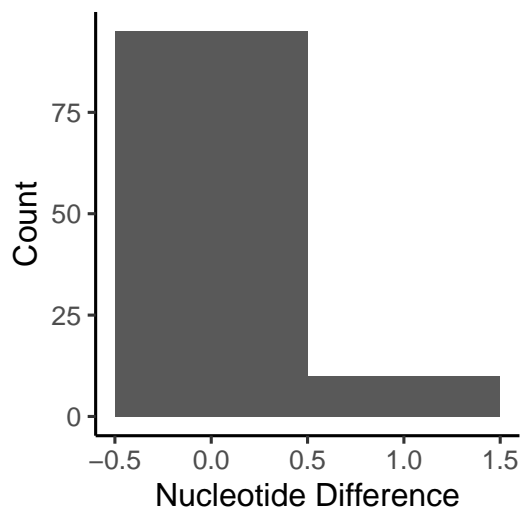
### TRBV5-4\*ap01

4598 sequences assigned  
4457 (96.9%) exact matches, in which:  
4371 unique CDR3  
13 unique J



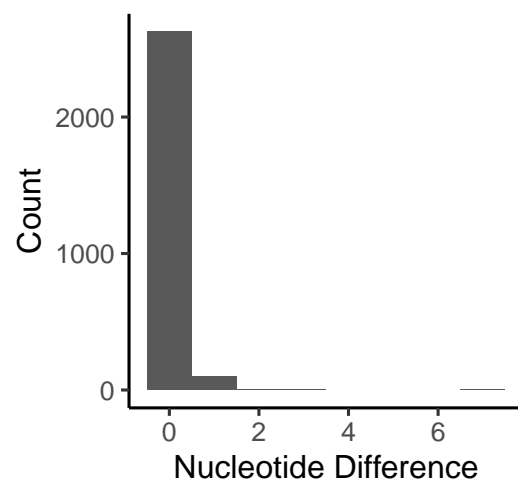
### TRBV5-7\*ap01

105 sequences assigned  
95 (90.5%) exact matches, in which:  
92 unique CDR3  
13 unique J



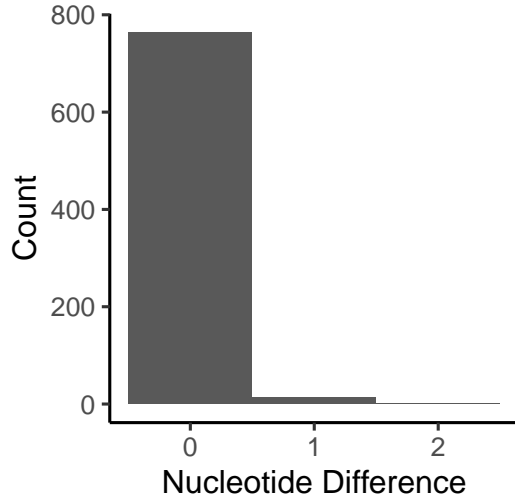
### TRBV6-4\*ap01

2736 sequences assigned  
2625 (95.9%) exact matches, in which:  
2595 unique CDR3  
13 unique J



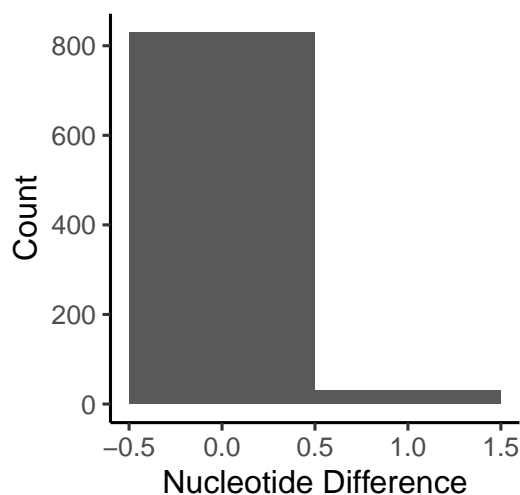
### TRBV5-5\*ap01

778 sequences assigned  
764 (98.2%) exact matches, in which:  
764 unique CDR3  
13 unique J



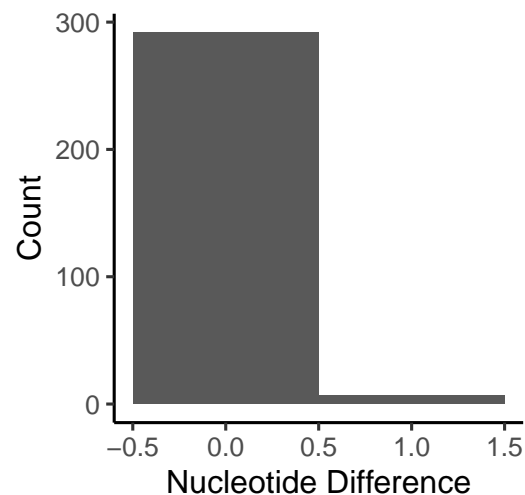
### TRBV5-8\*ap01

861 sequences assigned  
830 (96.4%) exact matches, in which:  
816 unique CDR3  
13 unique J



### TRBV6-7\*ap01

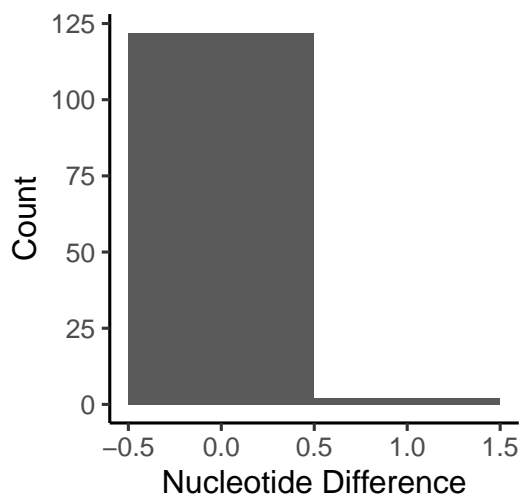
299 sequences assigned  
292 (97.7%) exact matches, in which:  
287 unique CDR3  
13 unique J





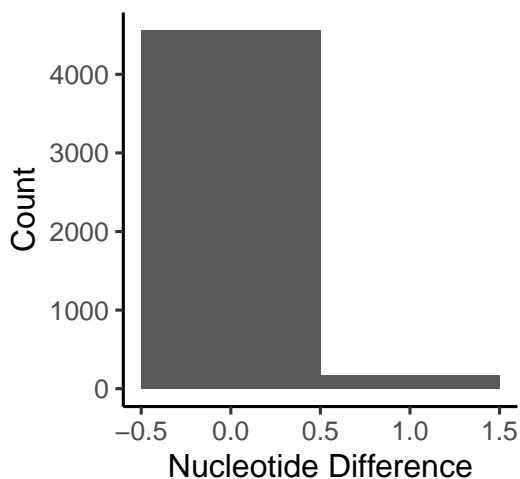
### TRBV6-8\*ap01

124 sequences assigned  
122 (98.4%) exact matches, in which:  
120 unique CDR3  
13 unique J



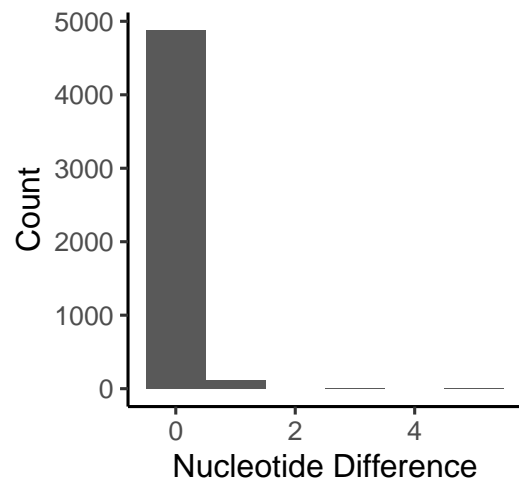
### TRBV6-56\*ap01

4737 sequences assigned  
4559 (96.2%) exact matches, in which:  
4439 unique CDR3  
13 unique J



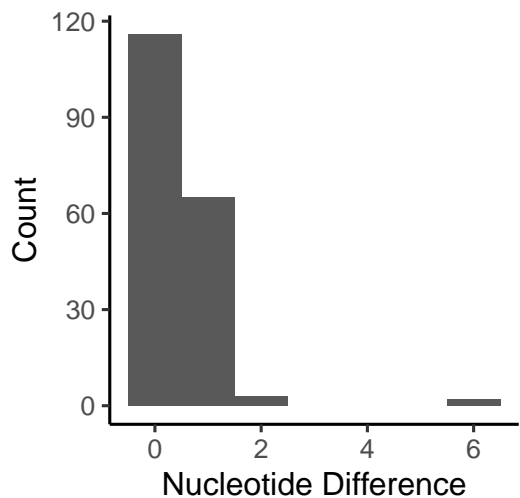
### TRBV7-2\*ap01

4989 sequences assigned  
4876 (97.7%) exact matches, in which:  
4836 unique CDR3  
13 unique J



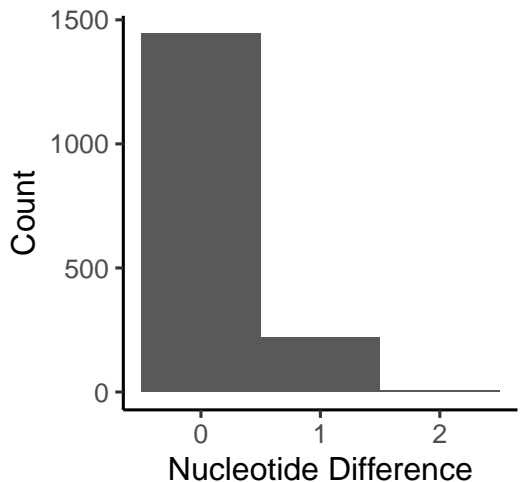
### TRBV6-9\*ap01

186 sequences assigned  
116 (62.4%) exact matches, in which:  
114 unique CDR3  
13 unique J



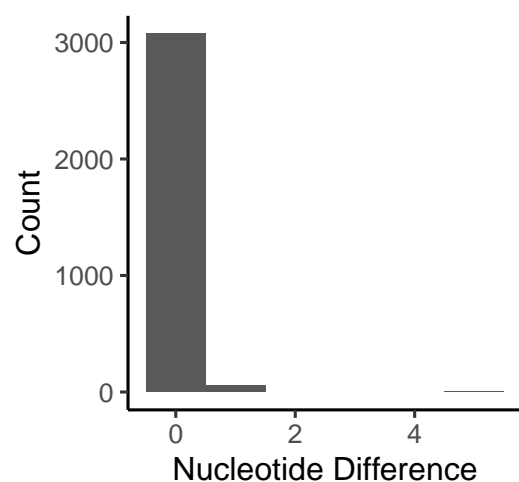
### TRBV6-56\*ap02

1670 sequences assigned  
1444 (86.5%) exact matches, in which:  
1415 unique CDR3  
13 unique J



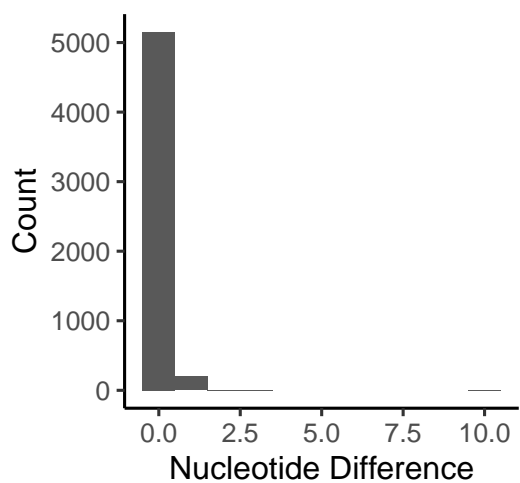
### TRBV7-3\*ap01

3136 sequences assigned  
3075 (98.1%) exact matches, in which:  
3058 unique CDR3  
13 unique J



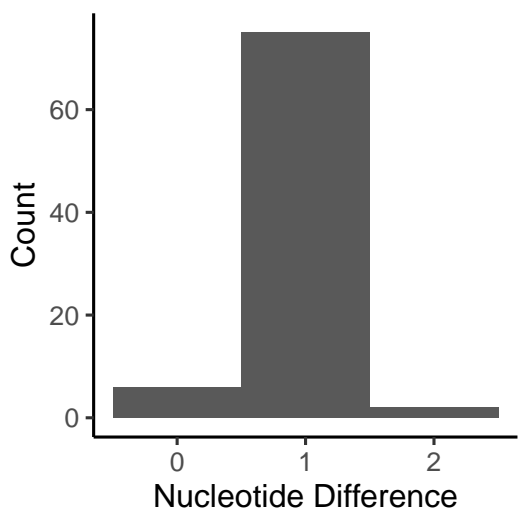
### TRBV6-23\*ap01

5356 sequences assigned  
5151 (96.2%) exact matches, in which:  
5017 unique CDR3  
13 unique J



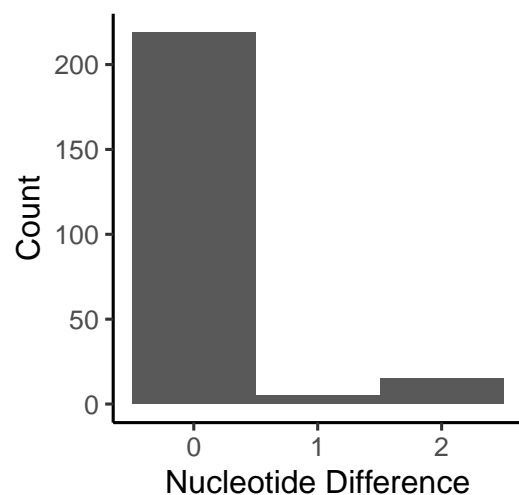
### TRBV7-1\*ap01\_T296C

83 sequences assigned  
6 (7.2%) exact matches, in which:  
6 unique CDR3  
6 unique J



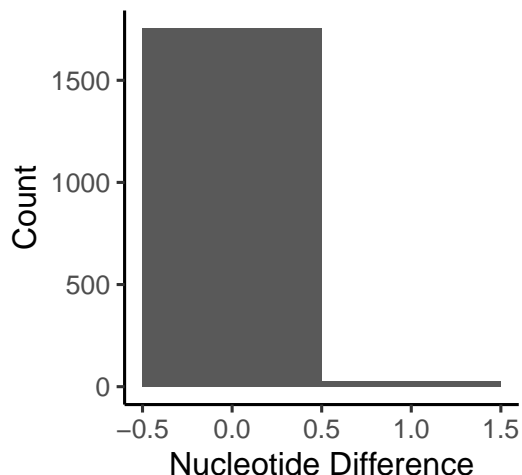
### TRBV7-4\*ap01

239 sequences assigned  
219 (91.6%) exact matches, in which:  
218 unique CDR3  
13 unique J



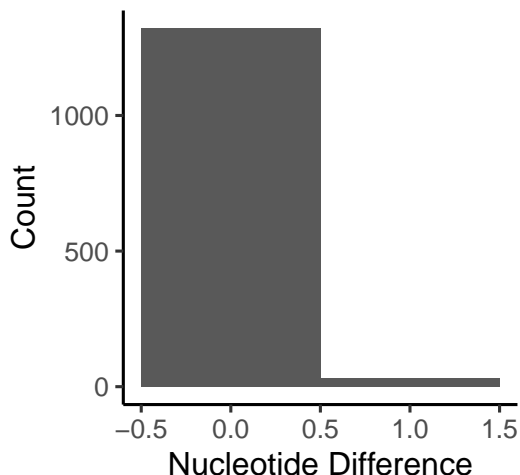
### TRBV7-6\*ap01

1781 sequences assigned  
1754 (98.5%) exact matches, in which:  
1731 unique CDR3  
13 unique J



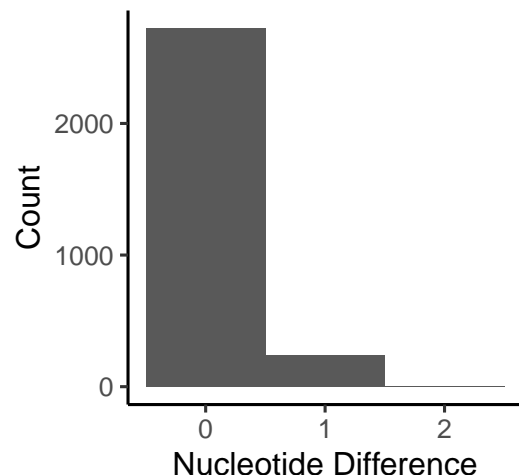
### TRBV7-8\*ap01

1351 sequences assigned  
1321 (97.8%) exact matches, in which:  
1305 unique CDR3  
13 unique J



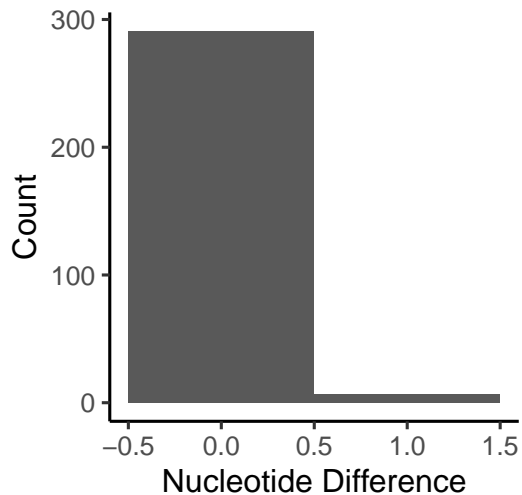
### TRBV29-1\*ap01

2963 sequences assigned  
2722 (91.9%) exact matches, in which:  
2648 unique CDR3  
13 unique J



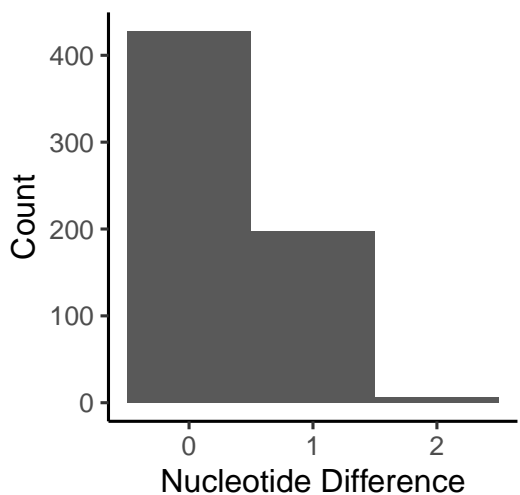
### TRBV7-7\*ap01

298 sequences assigned  
291 (97.7%) exact matches, in which:  
289 unique CDR3  
12 unique J



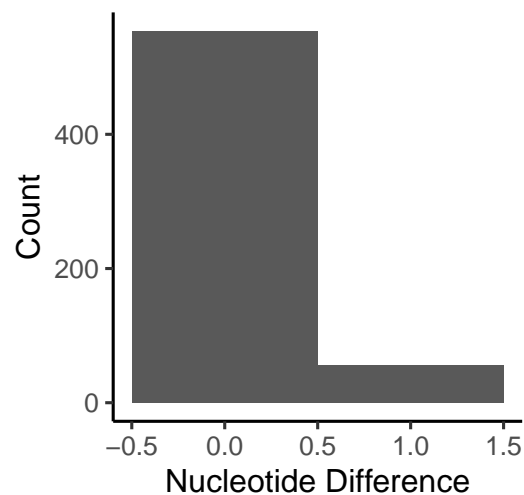
### TRBV7-8\*ap03

632 sequences assigned  
428 (67.7%) exact matches, in which:  
422 unique CDR3  
13 unique J



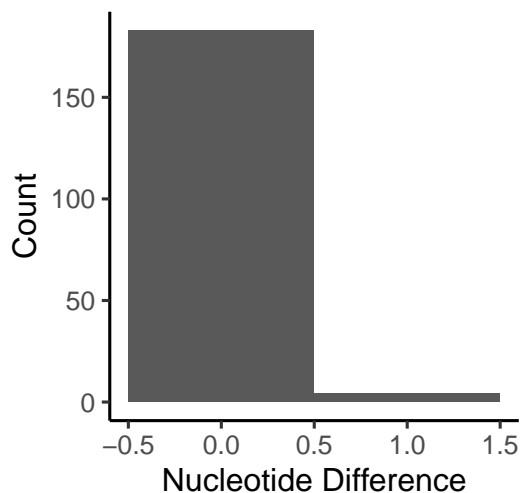
### TRBV29-1\*ap02

610 sequences assigned  
554 (90.8%) exact matches, in which:  
540 unique CDR3  
13 unique J



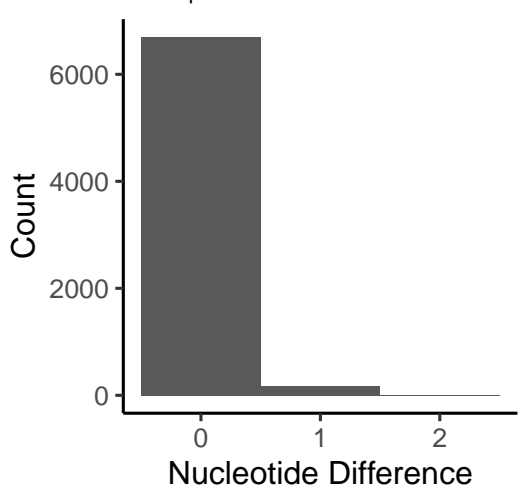
### TRBV7-7\*ap01\_C315T

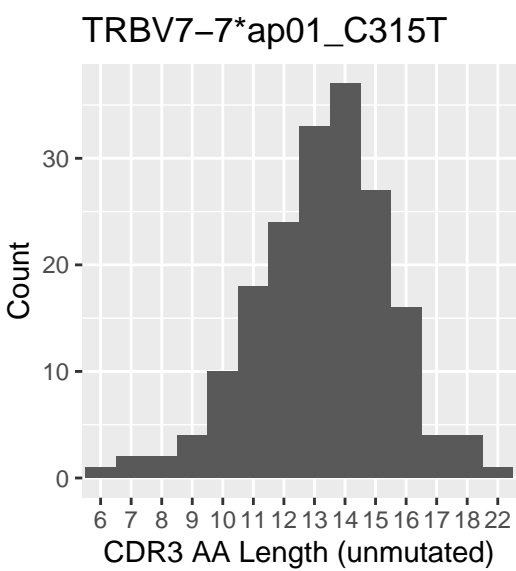
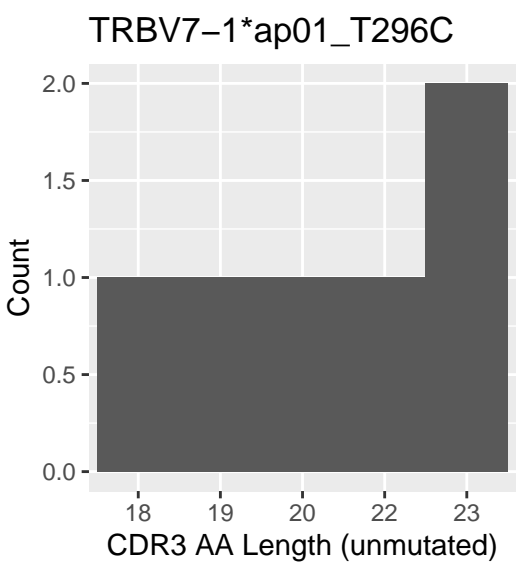
187 sequences assigned  
183 (97.9%) exact matches, in which:  
182 unique CDR3  
13 unique J



### TRBV7-9\*ap01

6872 sequences assigned  
6697 (97.5%) exact matches, in which:  
6621 unique CDR3  
14 unique J







Warning – no inferred sequences found.