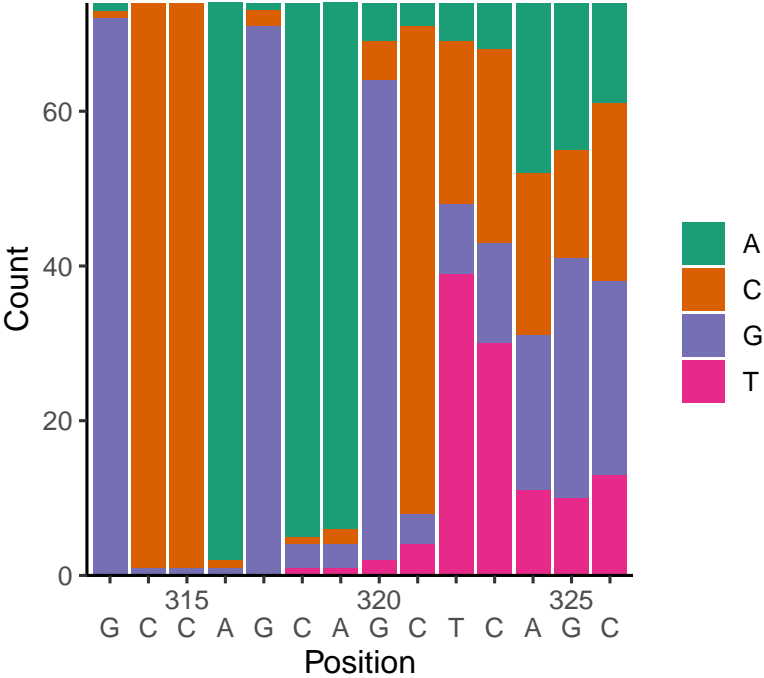
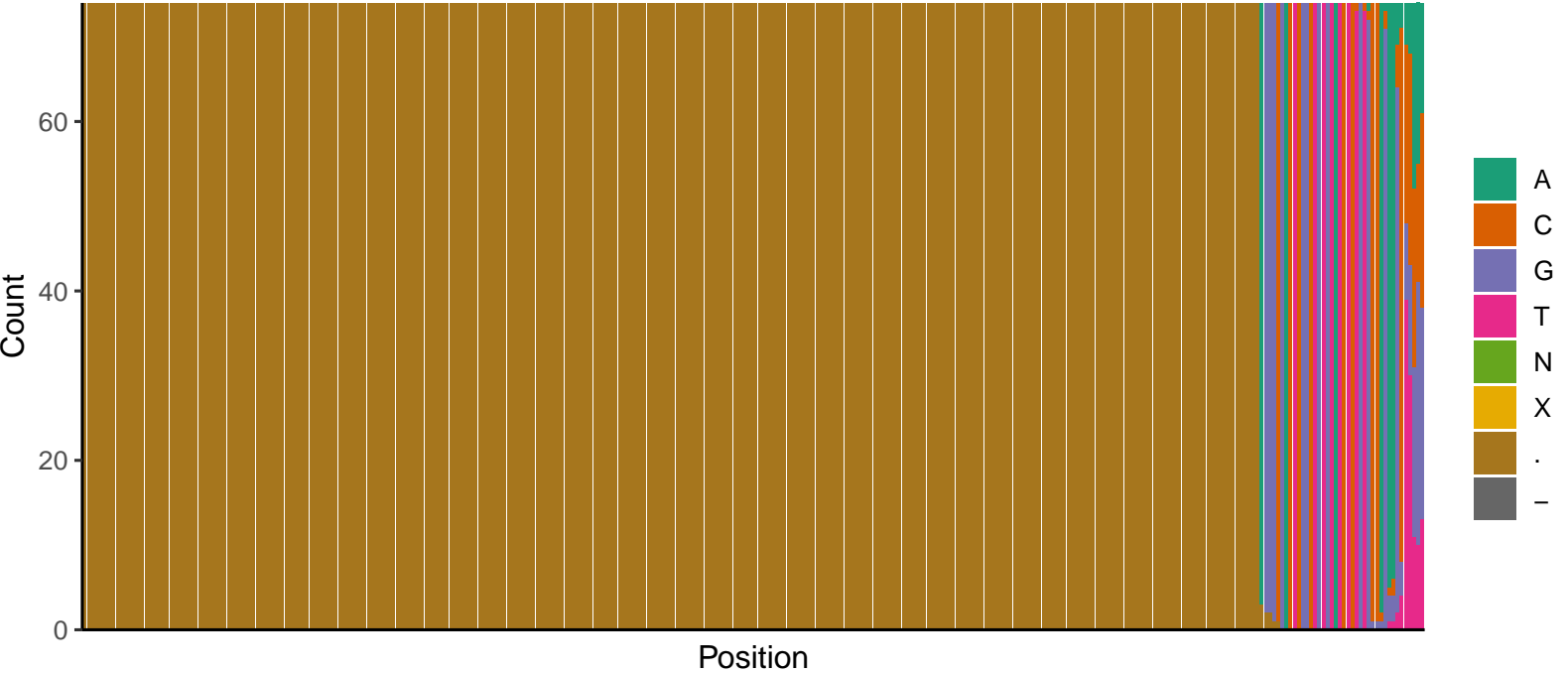


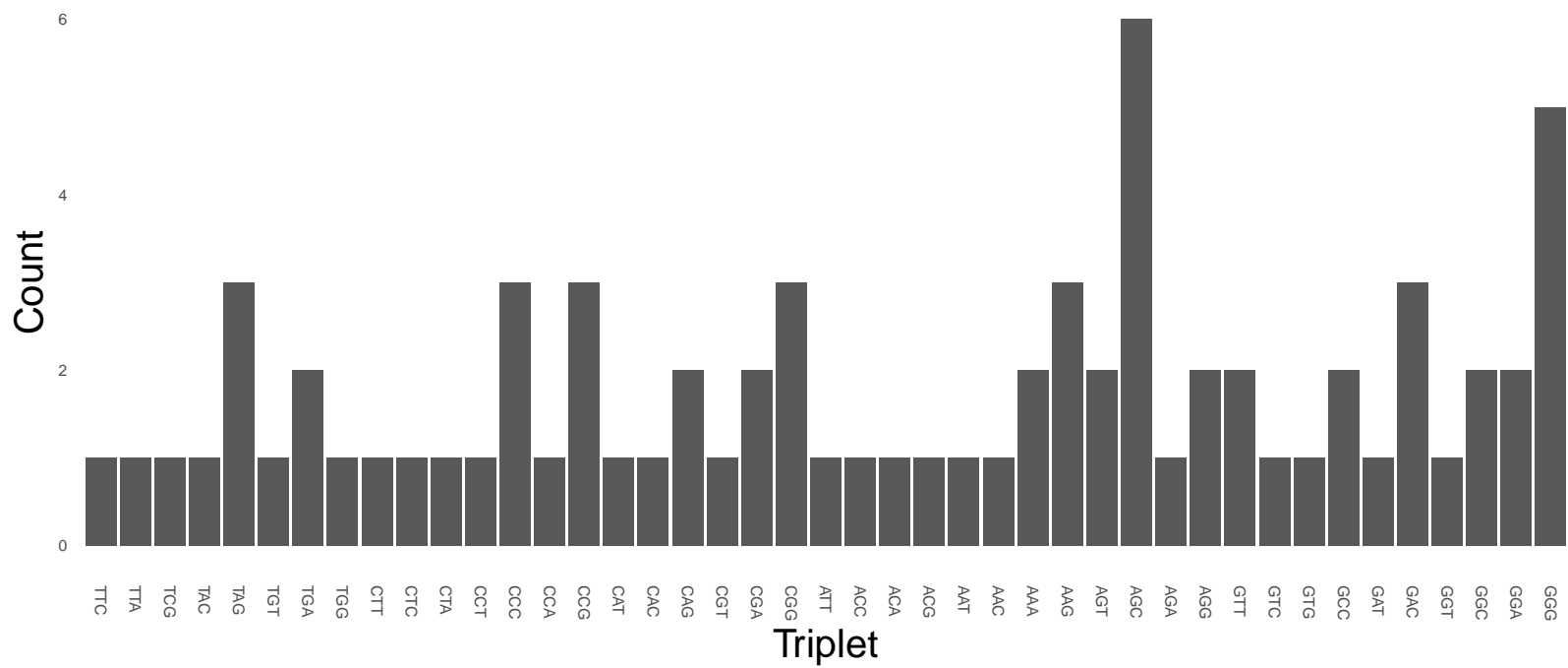
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-1\*ap01\_G291C\_T296C

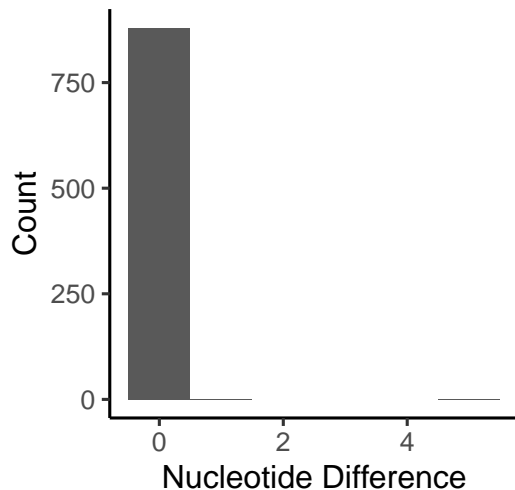


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



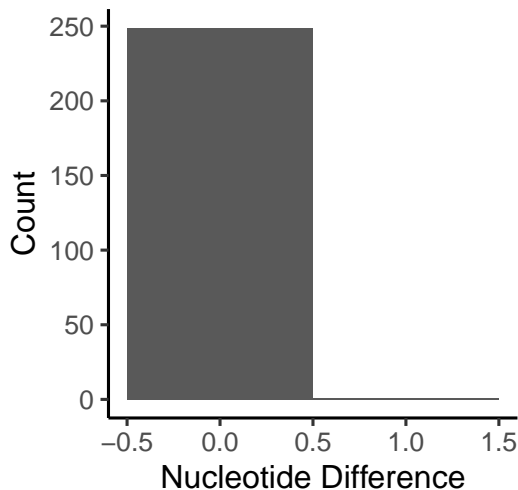
### TRBV10–1\*ap01

882 sequences assigned  
880 (99.8%) exact matches, in which:  
878 unique CDR3  
13 unique J



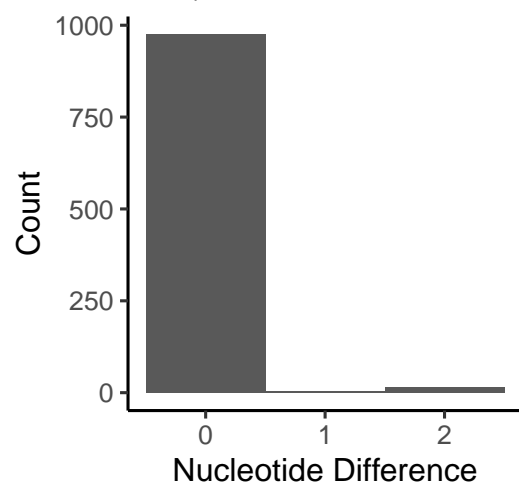
### TRBV10–2\*ap01

250 sequences assigned  
249 (99.6%) exact matches, in which:  
249 unique CDR3  
13 unique J



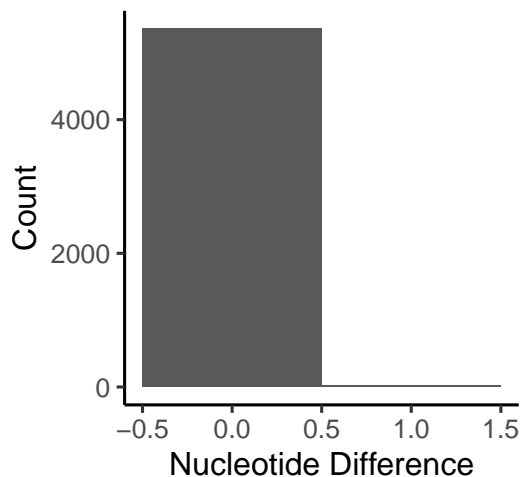
### TRBV13\*ap01

996 sequences assigned  
975 (97.9%) exact matches, in which:  
972 unique CDR3  
13 unique J



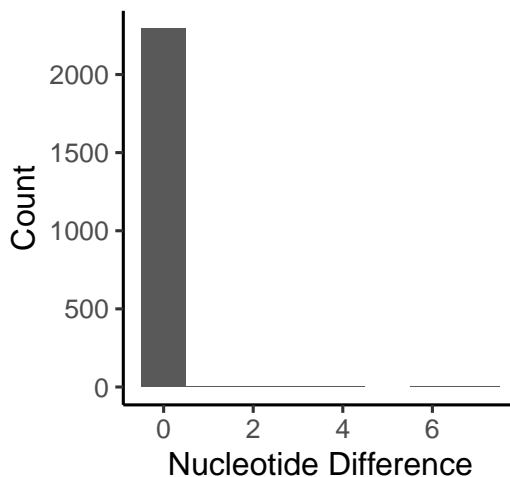
### TRBV20–1\*ap01

5376 sequences assigned  
5360 (99.7%) exact matches, in which:  
5329 unique CDR3  
13 unique J



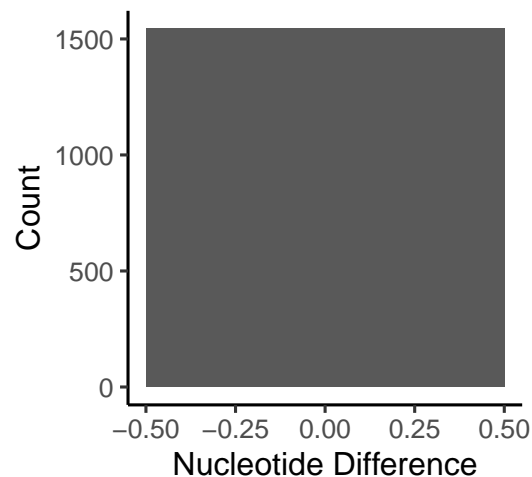
### TRBV10–3\*ap01

2302 sequences assigned  
2293 (99.6%) exact matches, in which:  
2286 unique CDR3  
13 unique J



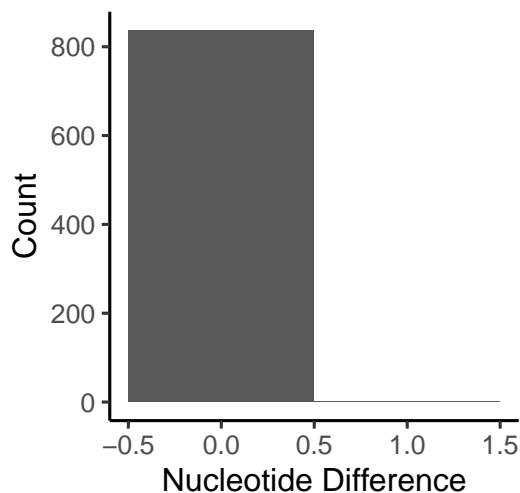
### TRBV14\*ap01

1544 sequences assigned  
1544 (100%) exact matches, in which:  
1541 unique CDR3  
13 unique J



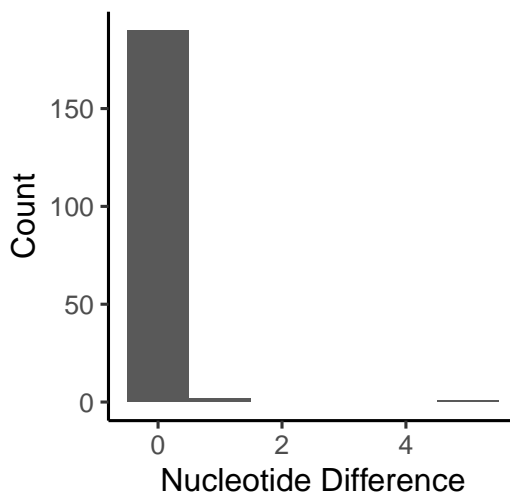
### TRBV20–1\*ap02

839 sequences assigned  
837 (99.8%) exact matches, in which:  
837 unique CDR3  
13 unique J



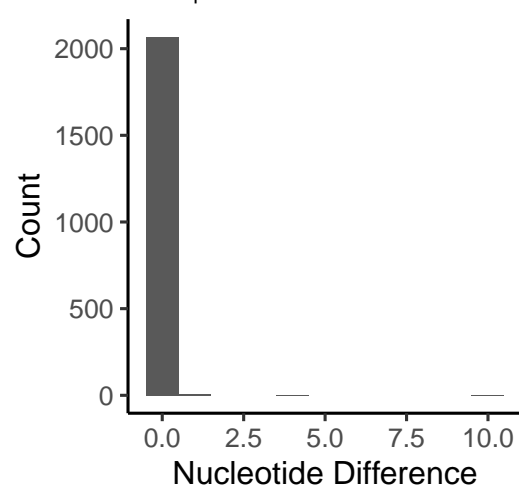
### TRBV1\*ap01

193 sequences assigned  
190 (98.4%) exact matches, in which:  
190 unique CDR3  
13 unique J



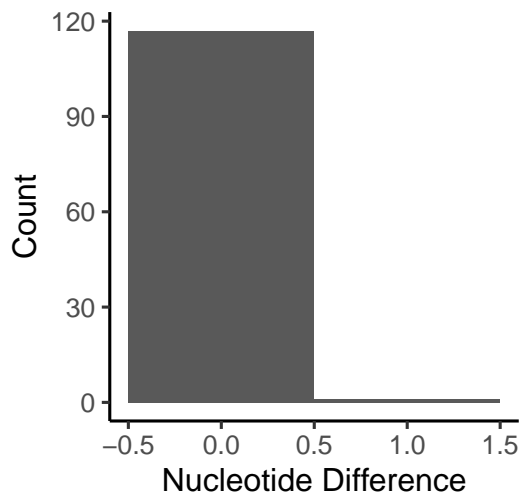
### TRBV15\*ap02

2078 sequences assigned  
2067 (99.5%) exact matches, in which:  
2059 unique CDR3  
13 unique J



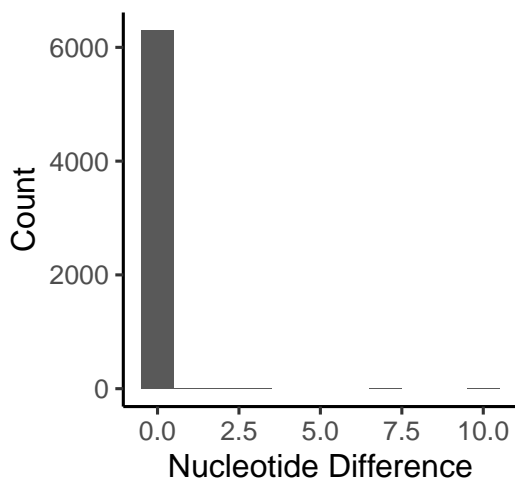
### TRBV16\*ap01

118 sequences assigned  
117 (99.2%) exact matches, in which:  
116 unique CDR3  
13 unique J



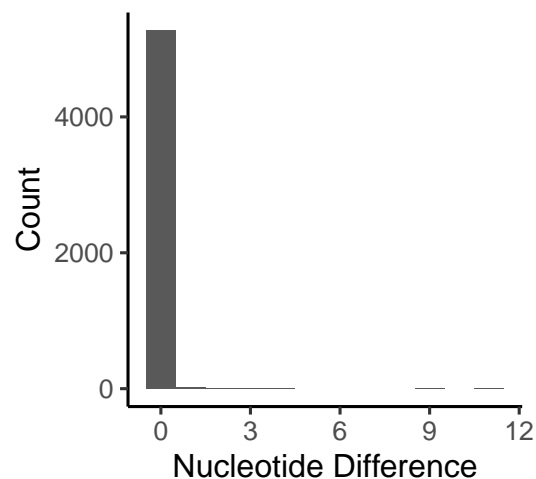
### TRBV19\*ap01

6317 sequences assigned  
6298 (99.7%) exact matches, in which:  
6297 unique CDR3  
13 unique J



### TRBV27\*ap01

5306 sequences assigned  
5273 (99.4%) exact matches, in which:  
5253 unique CDR3  
13 unique J



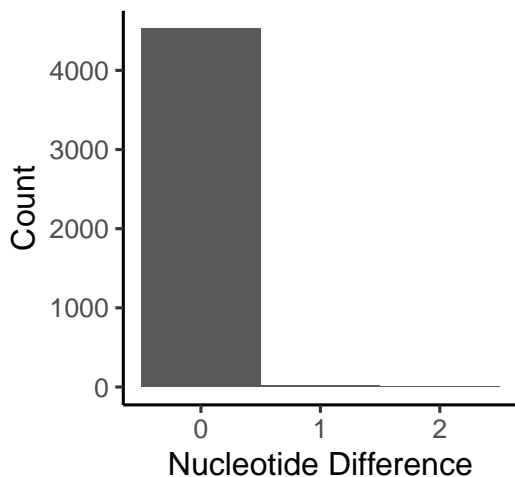
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



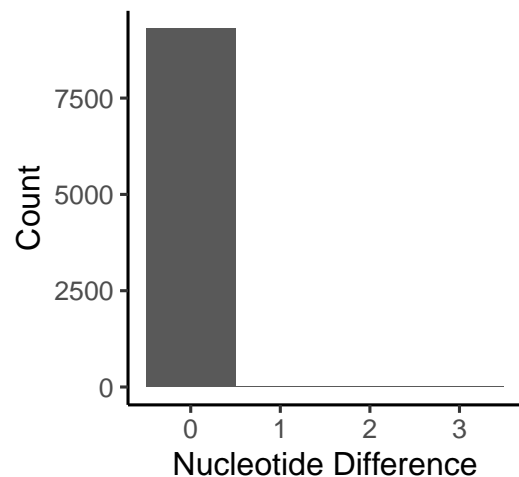
### TRBV2\*ap01

4541 sequences assigned  
4526 (99.7%) exact matches, in which:  
4511 unique CDR3  
13 unique J



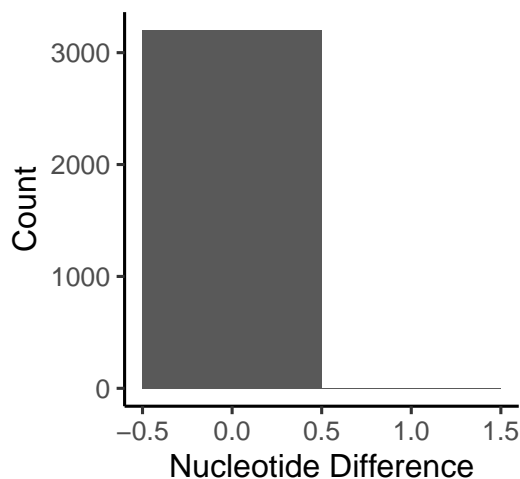
### TRBV28\*ap01

9324 sequences assigned  
9301 (99.8%) exact matches, in which:  
9274 unique CDR3  
13 unique J



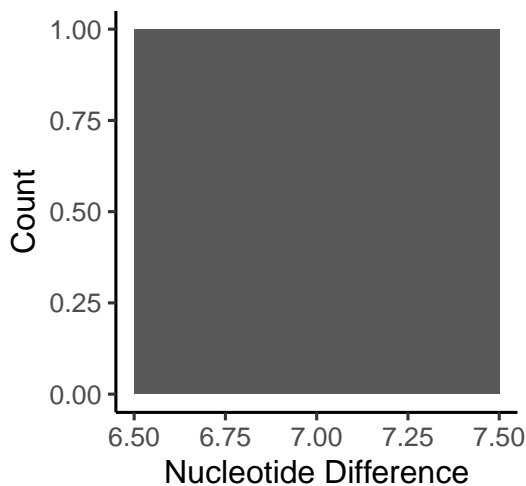
### TRBV18\*ap01

3205 sequences assigned  
3202 (99.9%) exact matches, in which:  
3198 unique CDR3  
13 unique J



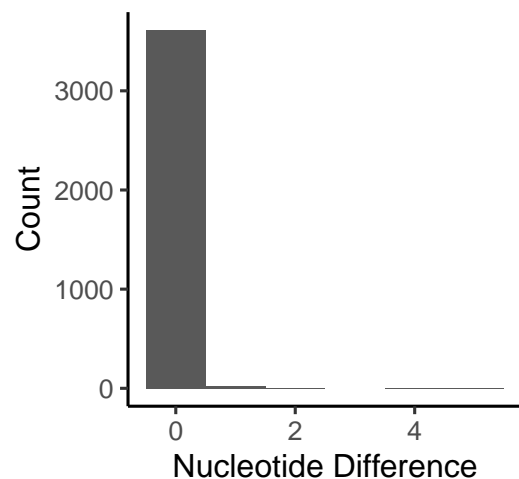
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



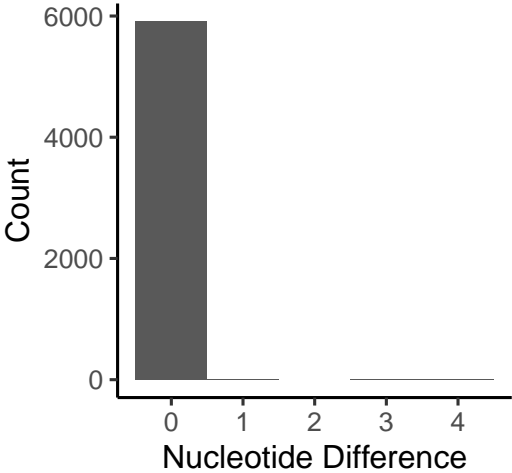
### TRBV30\*ap01

3639 sequences assigned  
3613 (99.3%) exact matches, in which:  
3601 unique CDR3  
13 unique J



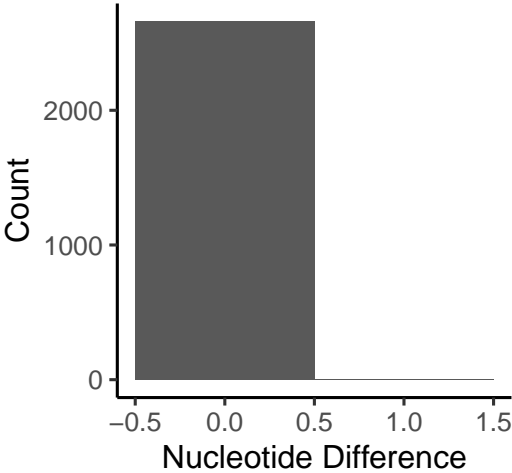
TRBV9\*ap01

5929 sequences assigned  
5911 (99.7%) exact matches, in which:  
5895 unique CDR3  
13 unique J



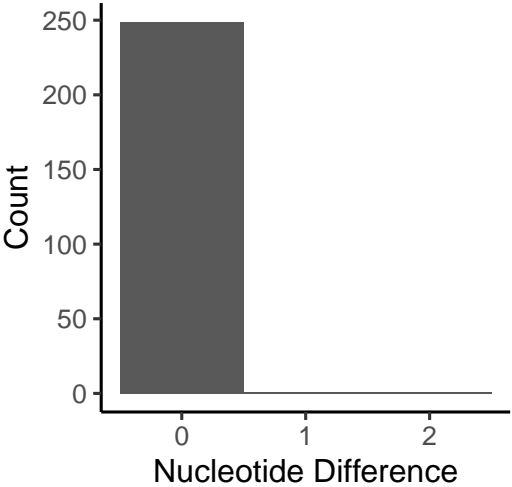
TRBV11-2\*ap01

2666 sequences assigned  
2660 (99.8%) exact matches, in which:  
2651 unique CDR3  
13 unique J



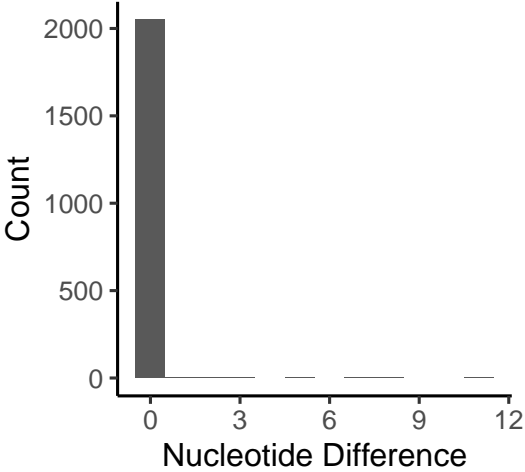
TRBV12-2\*ap01

251 sequences assigned  
249 (99.2%) exact matches, in which:  
249 unique CDR3  
13 unique J



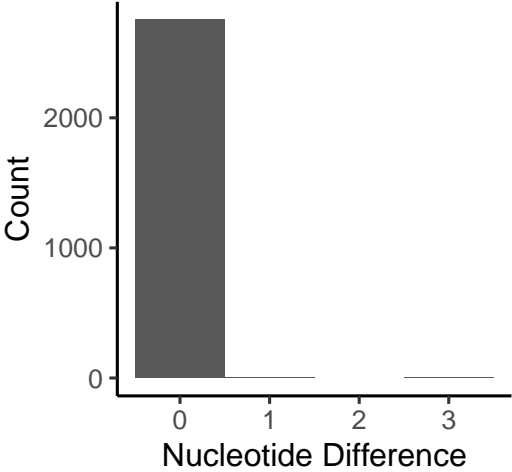
TRBV21-1\*ap01

2061 sequences assigned  
2050 (99.5%) exact matches, in which:  
2048 unique CDR3  
13 unique J



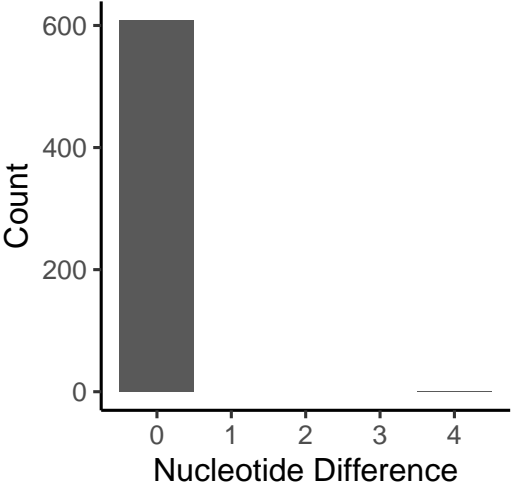
TRBV11-3\*ap01

2758 sequences assigned  
2754 (99.9%) exact matches, in which:  
2749 unique CDR3  
13 unique J



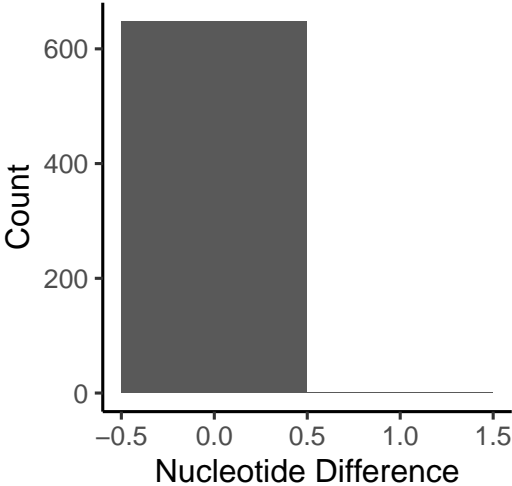
TRBV12-5\*ap01

610 sequences assigned  
609 (99.8%) exact matches, in which:  
609 unique CDR3  
13 unique J



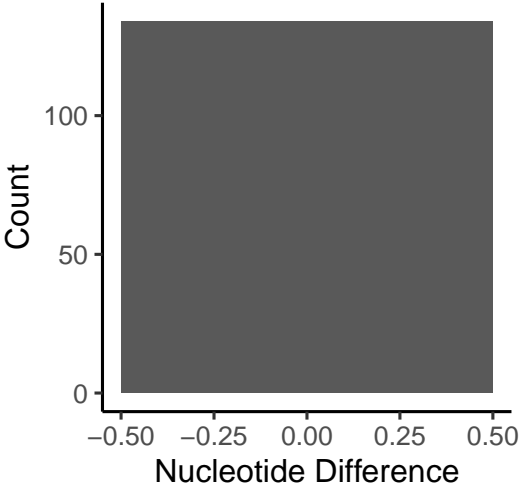
TRBV11-1\*ap01

649 sequences assigned  
648 (99.8%) exact matches, in which:  
646 unique CDR3  
13 unique J



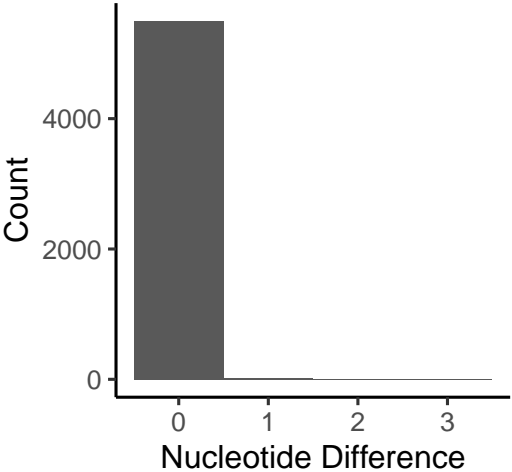
TRBV12-1\*ap01

134 sequences assigned  
134 (100%) exact matches, in which:  
134 unique CDR3  
13 unique J



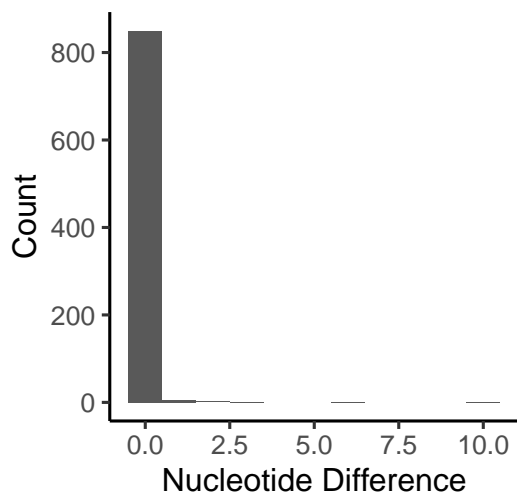
TRBV12-34\*ap01

5519 sequences assigned  
5498 (99.6%) exact matches, in which:  
5486 unique CDR3  
13 unique J



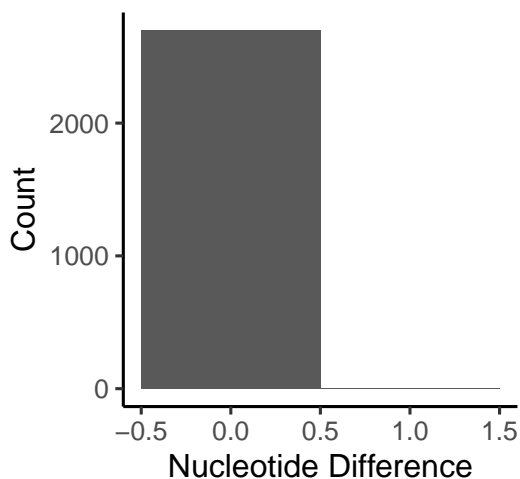
### TRBV23-1\*ap01

860 sequences assigned  
850 (98.8%) exact matches, in which:  
848 unique CDR3  
13 unique J



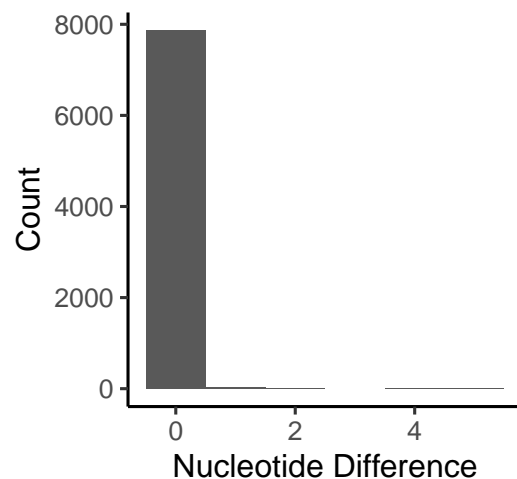
### TRBV4-1\*ap01

2702 sequences assigned  
2698 (99.9%) exact matches, in which:  
2686 unique CDR3  
13 unique J



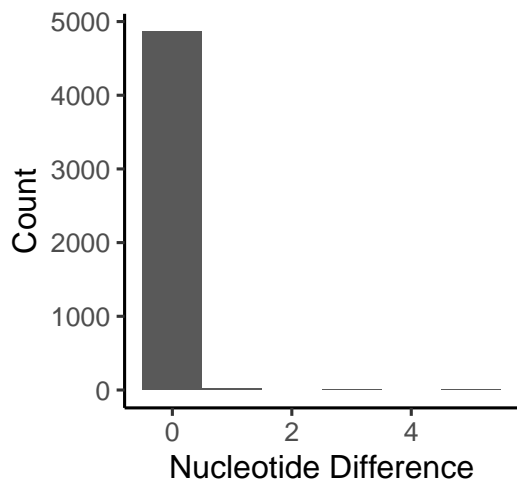
### TRBV5-1\*ap01

7893 sequences assigned  
7866 (99.7%) exact matches, in which:  
7804 unique CDR3  
13 unique J



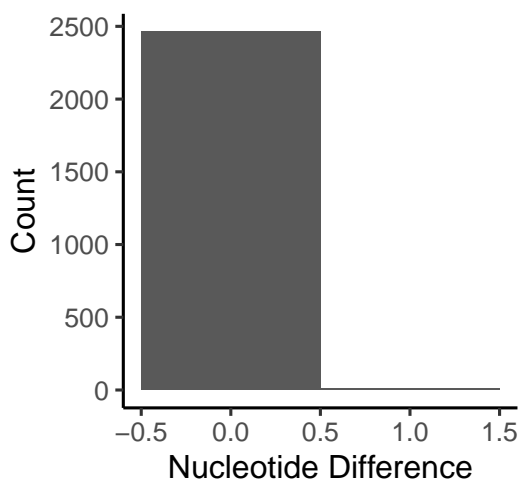
### TRBV3-12\*ap01

4881 sequences assigned  
4862 (99.6%) exact matches, in which:  
4851 unique CDR3  
13 unique J



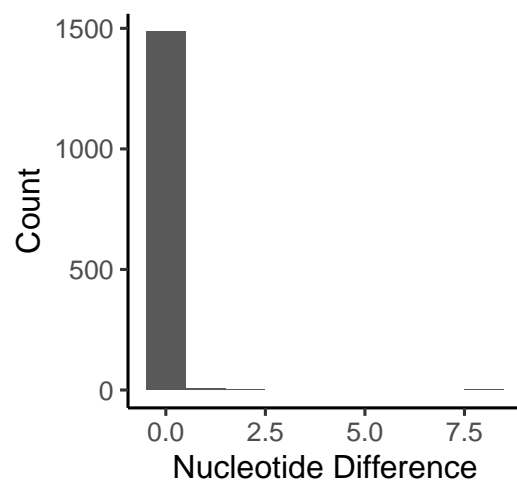
### TRBV4-2\*ap01

2474 sequences assigned  
2463 (99.6%) exact matches, in which:  
2453 unique CDR3  
13 unique J



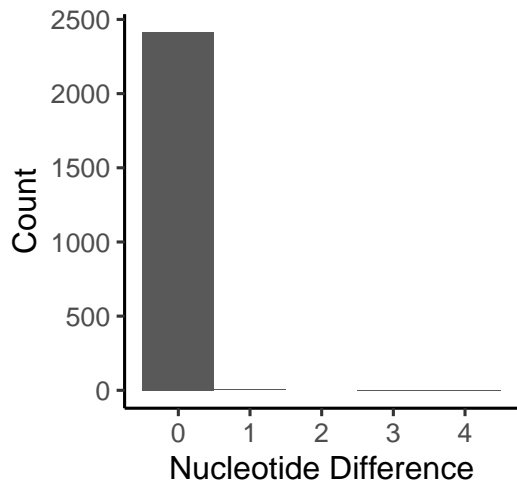
### TRBV25-1\*ap01

1494 sequences assigned  
1486 (99.5%) exact matches, in which:  
1485 unique CDR3  
13 unique J



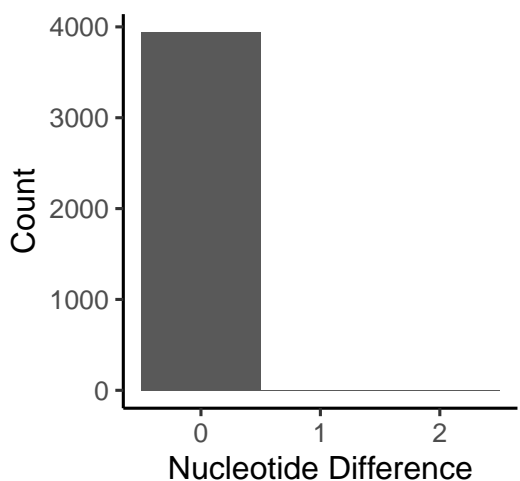
### TRBV24-1\*ap01

2422 sequences assigned  
2415 (99.7%) exact matches, in which:  
2409 unique CDR3  
13 unique J



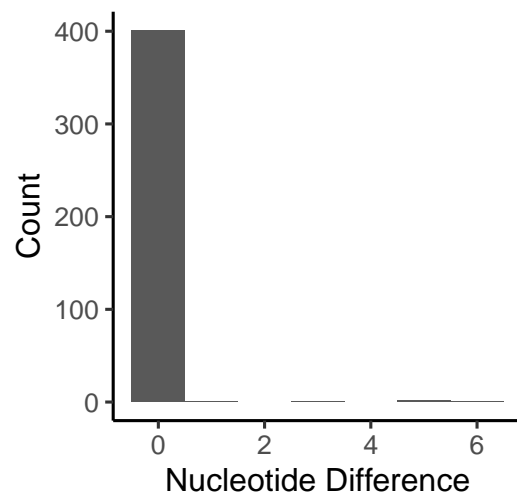
### TRBV4-3\*ap01

3950 sequences assigned  
3943 (99.8%) exact matches, in which:  
3928 unique CDR3  
13 unique J



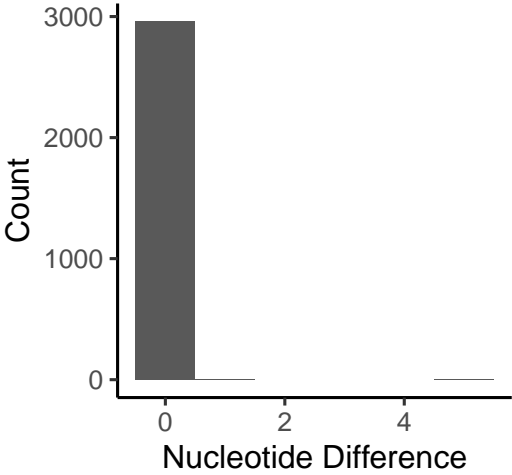
### TRBV5-3\*ap01

406 sequences assigned  
401 (98.8%) exact matches, in which:  
399 unique CDR3  
13 unique J



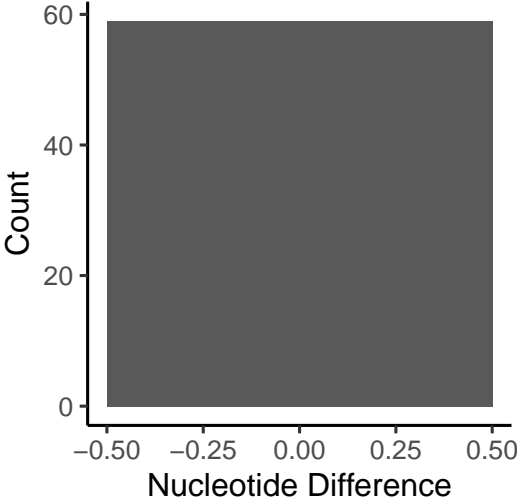
TRBV5-4\*ap01

2965 sequences assigned  
2960 (99.8%) exact matches, in which:  
2953 unique CDR3  
13 unique J



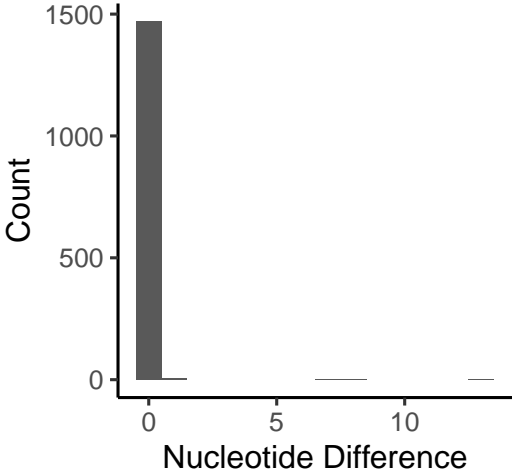
TRBV5-7\*ap01

59 sequences assigned  
59 (100%) exact matches, in which:  
59 unique CDR3  
12 unique J



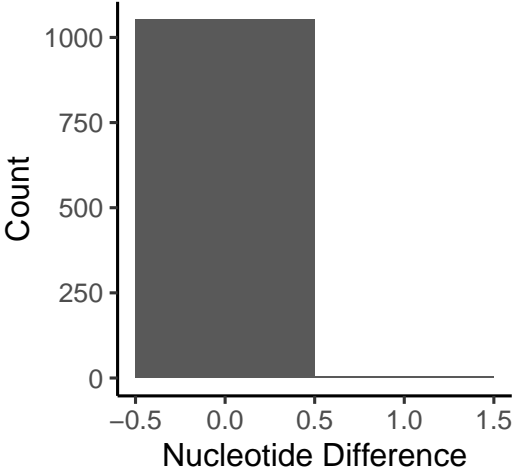
TRBV6-4\*ap01

1479 sequences assigned  
1470 (99.4%) exact matches, in which:  
1468 unique CDR3  
13 unique J



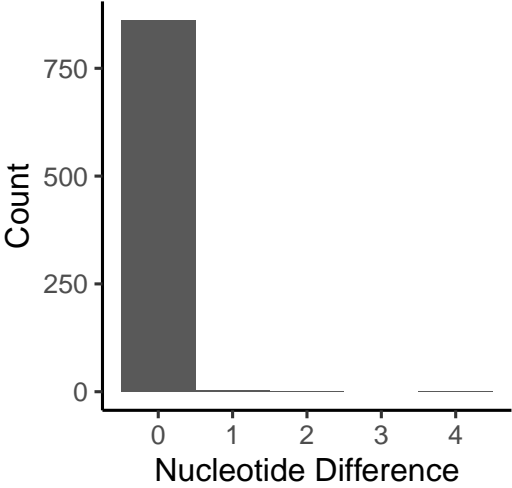
TRBV5-5\*ap01

1056 sequences assigned  
1052 (99.6%) exact matches, in which:  
1051 unique CDR3  
13 unique J



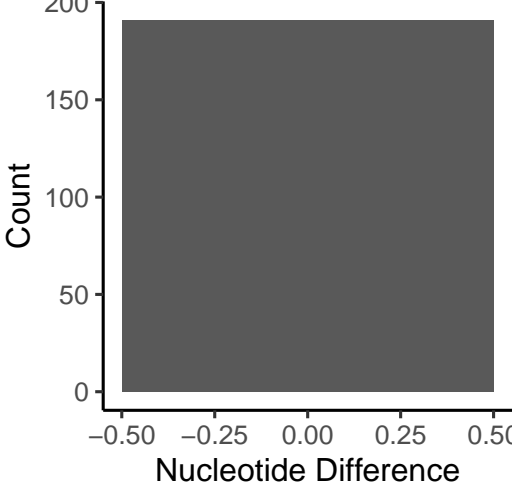
TRBV5-8\*ap01

869 sequences assigned  
862 (99.2%) exact matches, in which:  
862 unique CDR3  
13 unique J



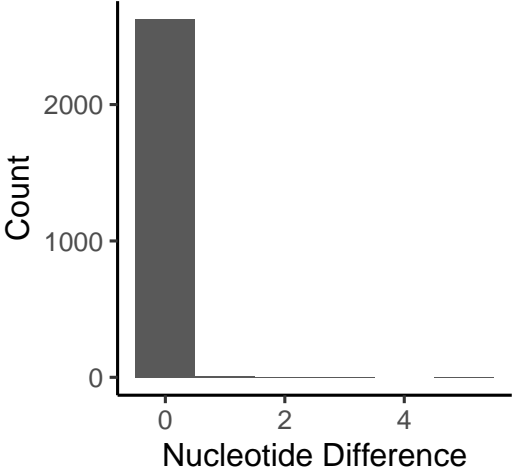
TRBV6-7\*ap01

191 sequences assigned  
191 (100%) exact matches, in which:  
191 unique CDR3  
13 unique J



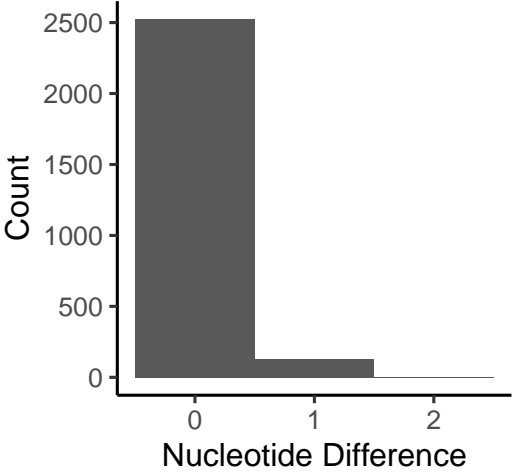
TRBV5-6\*ap01

2640 sequences assigned  
2627 (99.5%) exact matches, in which:  
2614 unique CDR3  
13 unique J



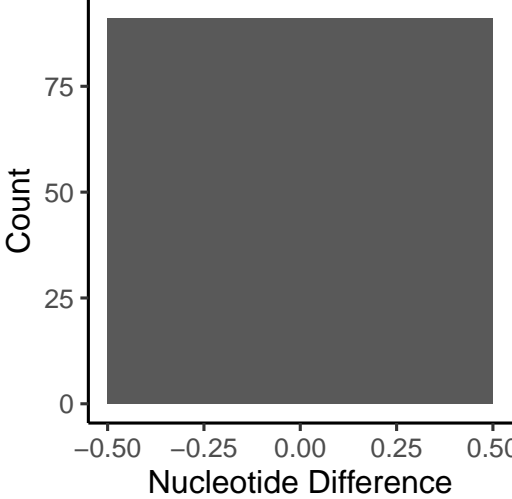
TRBV6-1\*ap01

2657 sequences assigned  
2525 (95%) exact matches, in which:  
2517 unique CDR3  
13 unique J



TRBV6-8\*ap01

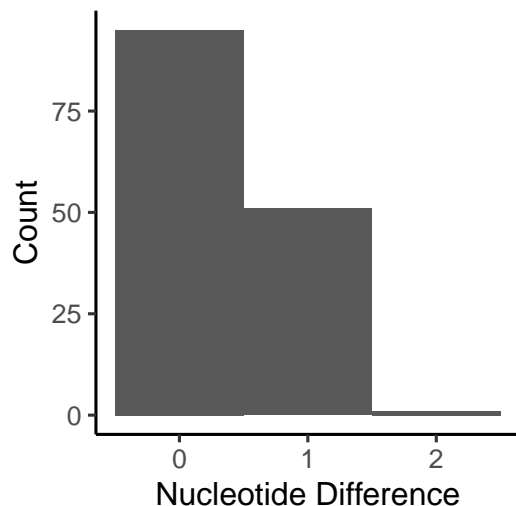
91 sequences assigned  
91 (100%) exact matches, in which:  
90 unique CDR3  
13 unique J





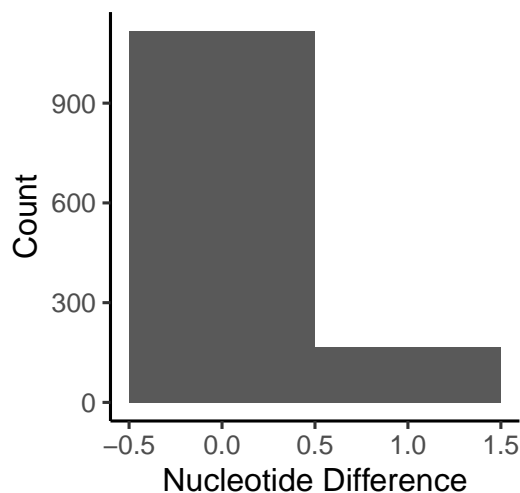
### TRBV6-9\*ap01

147 sequences assigned  
95 (64.6%) exact matches, in which:  
94 unique CDR3  
12 unique J



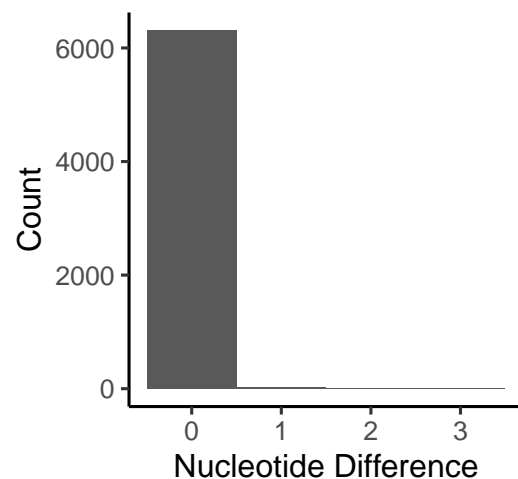
### TRBV6-56\*ap02

1285 sequences assigned  
1118 (87%) exact matches, in which:  
1110 unique CDR3  
13 unique J



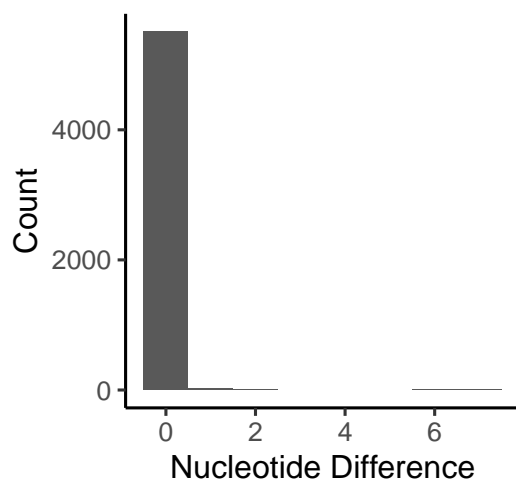
### TRBV7-2\*ap01

6329 sequences assigned  
6309 (99.7%) exact matches, in which:  
6298 unique CDR3  
13 unique J



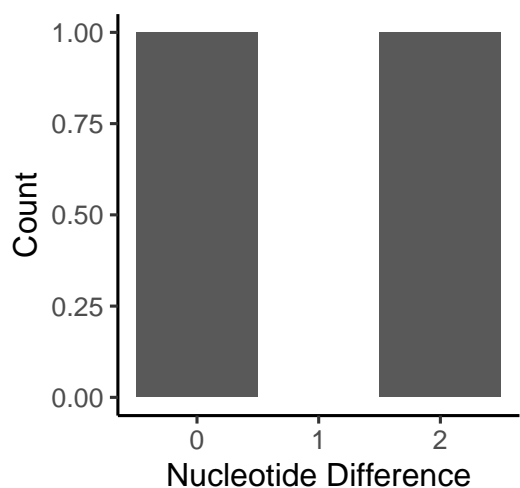
### TRBV6-23\*ap01

5535 sequences assigned  
5508 (99.5%) exact matches, in which:  
5484 unique CDR3  
13 unique J



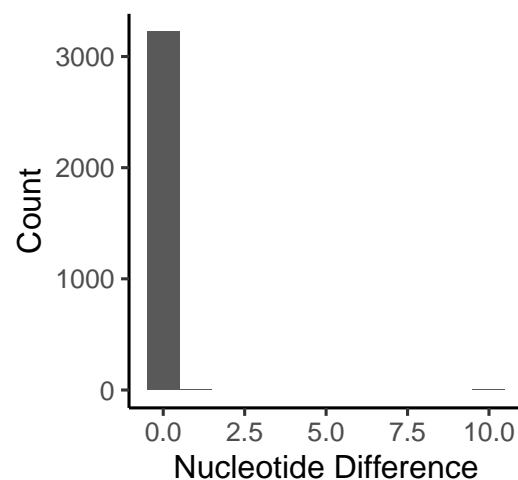
### TRBV7-1\*ap01

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



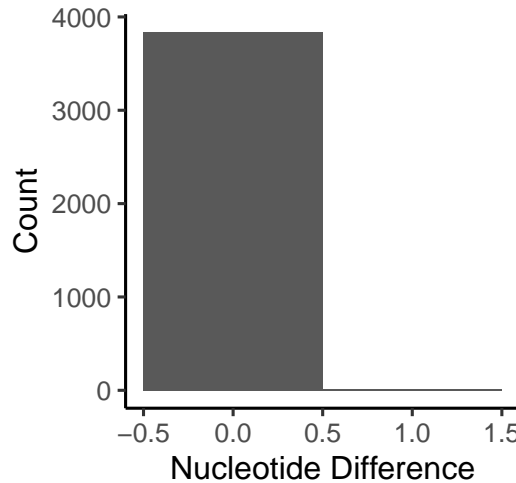
### TRBV7-3\*ap01

3232 sequences assigned  
3223 (99.7%) exact matches, in which:  
3217 unique CDR3  
13 unique J



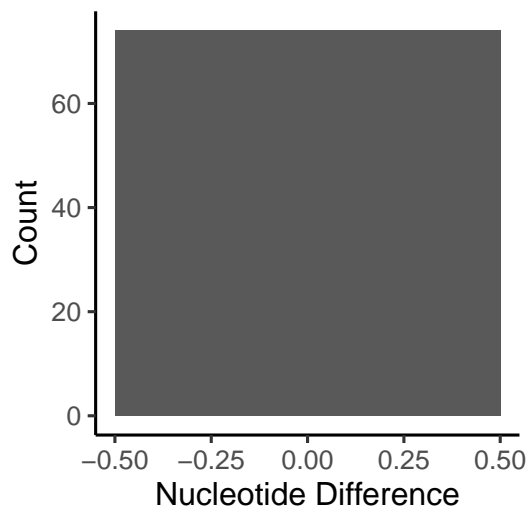
### TRBV6-56\*ap01

3849 sequences assigned  
3838 (99.7%) exact matches, in which:  
3820 unique CDR3  
13 unique J



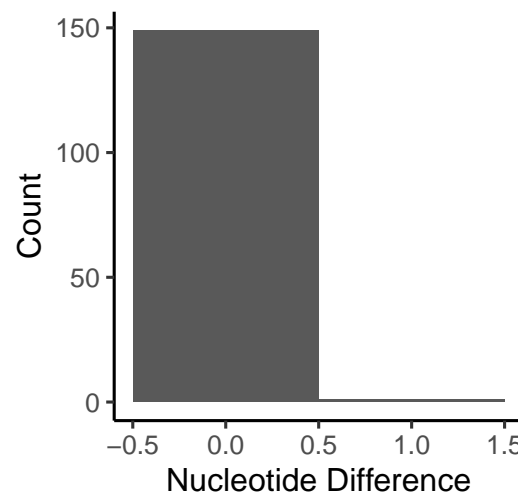
### TRBV7-1\*ap01\_G291C\_T

74 sequences assigned  
74 (100%) exact matches, in which:  
74 unique CDR3  
13 unique J



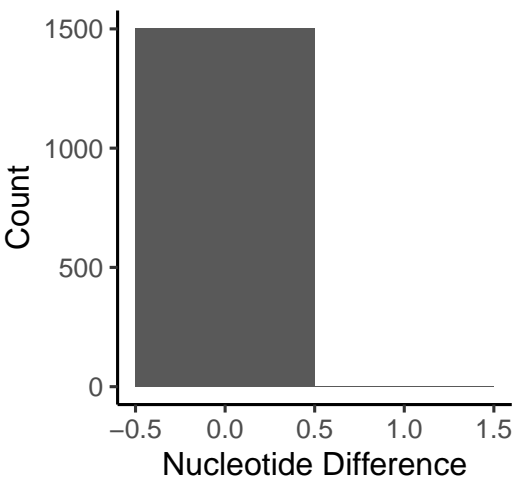
### TRBV7-4\*ap01

150 sequences assigned  
149 (99.3%) exact matches, in which:  
149 unique CDR3  
13 unique J



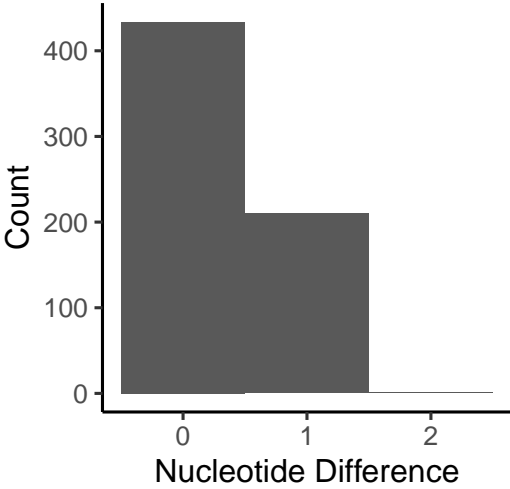
TRBV7-6\*ap01

1504 sequences assigned  
1502 (99.9%) exact matches, in which:  
1497 unique CDR3  
13 unique J



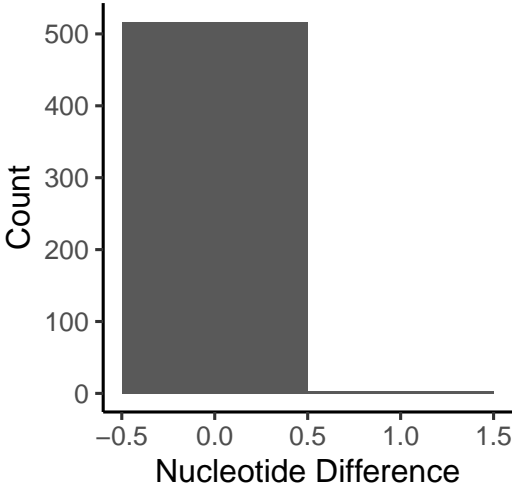
TRBV7-8\*ap03

645 sequences assigned  
434 (67.3%) exact matches, in which:  
433 unique CDR3  
13 unique J



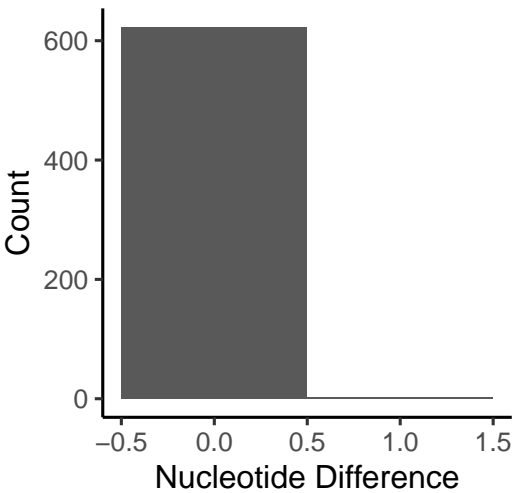
TRBV29-1\*ap02

520 sequences assigned  
517 (99.4%) exact matches, in which:  
516 unique CDR3  
13 unique J



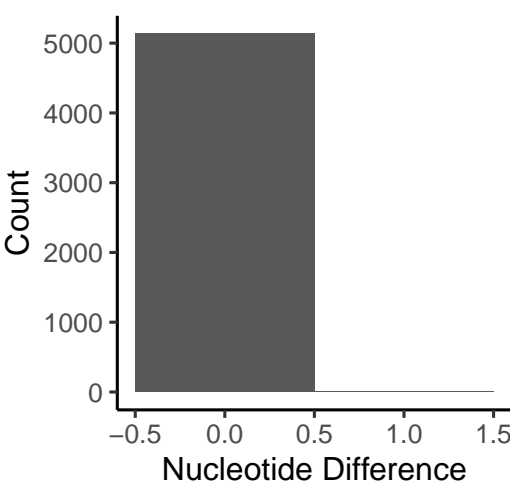
TRBV7-7\*ap01

625 sequences assigned  
623 (99.7%) exact matches, in which:  
622 unique CDR3  
13 unique J



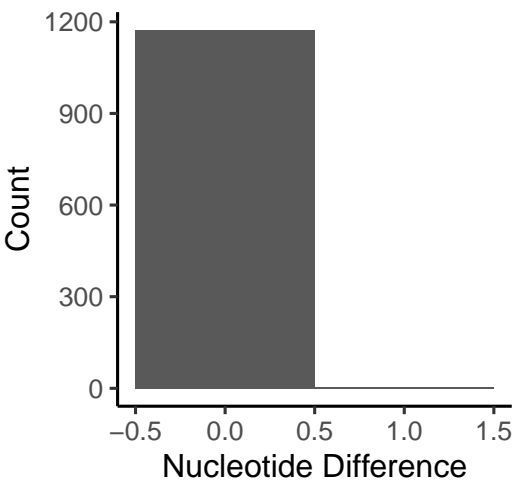
TRBV7-9\*ap01

5138 sequences assigned  
5135 (99.9%) exact matches, in which:  
5131 unique CDR3  
13 unique J



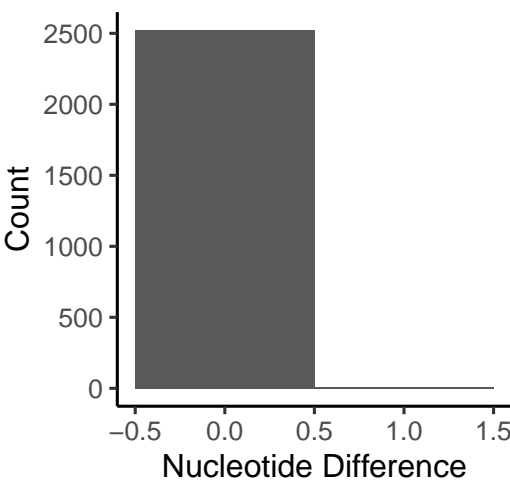
TRBV7-8\*ap01

1177 sequences assigned  
1173 (99.7%) exact matches, in which:  
1170 unique CDR3  
13 unique J



TRBV29-1\*ap01

2532 sequences assigned  
2523 (99.6%) exact matches, in which:  
2519 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C

