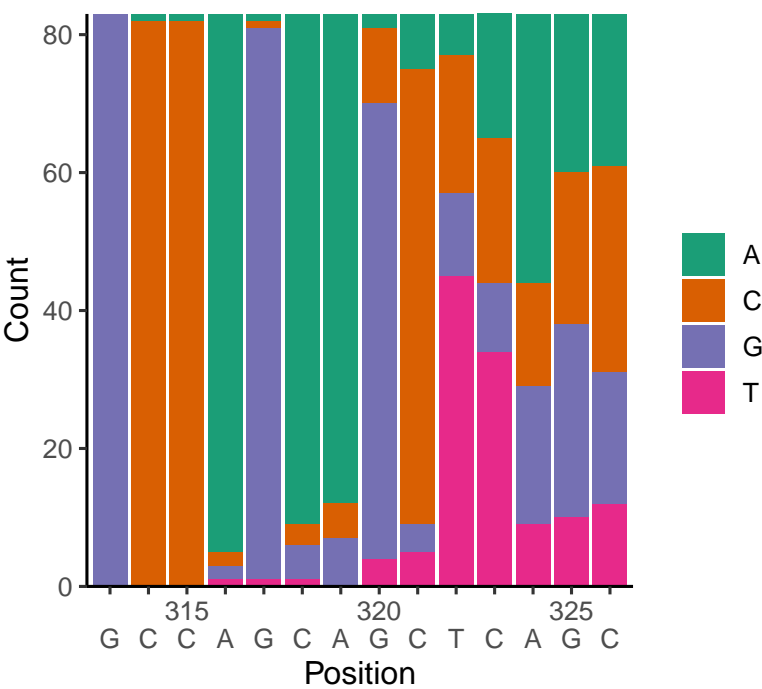
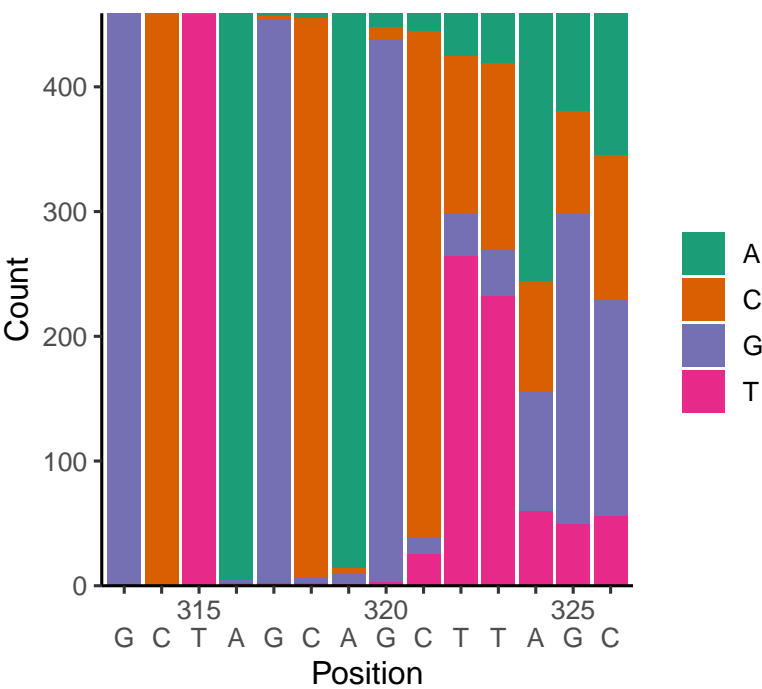


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



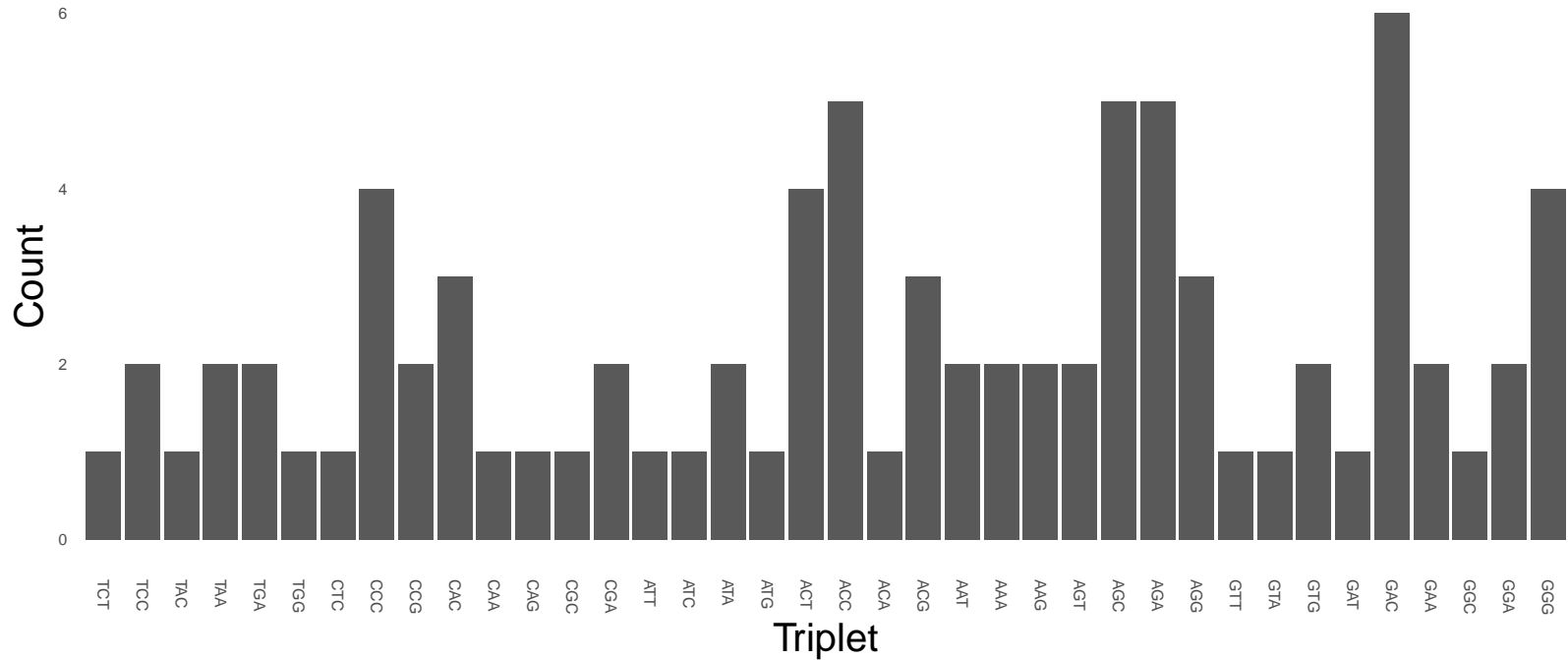
Gene TRBV7-1\*ap01\_G291C\_T296C



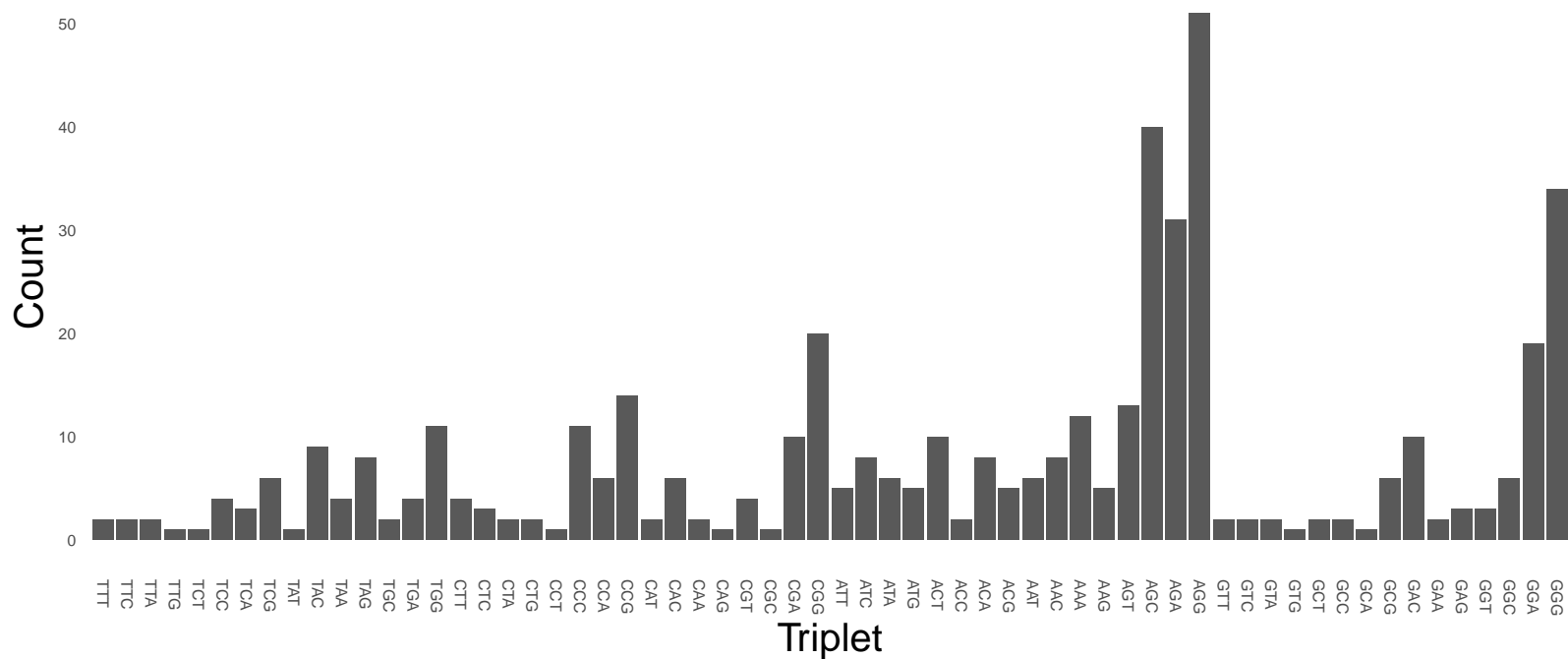
Gene TRBV7-7\*ap01\_C315T



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

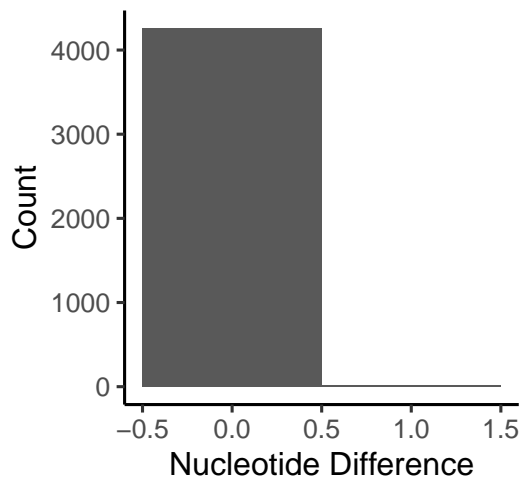


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



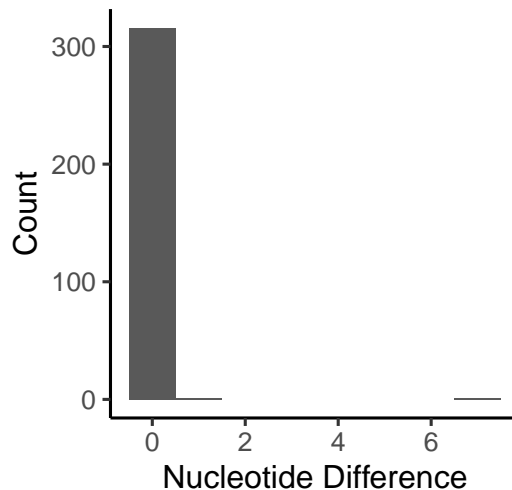
### TRBV20-1\*ap01

4271 sequences assigned  
4257 (99.7%) exact matches, in which:  
4245 unique CDR3  
13 unique J



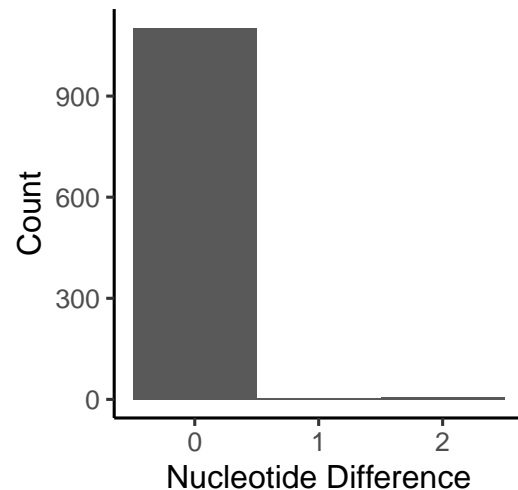
### TRBV10-2\*ap01

318 sequences assigned  
316 (99.4%) exact matches, in which:  
315 unique CDR3  
13 unique J



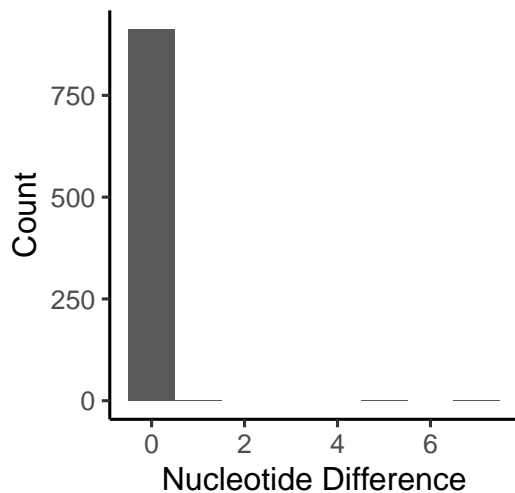
### TRBV13\*ap01

1116 sequences assigned  
1103 (98.8%) exact matches, in which:  
1093 unique CDR3  
13 unique J



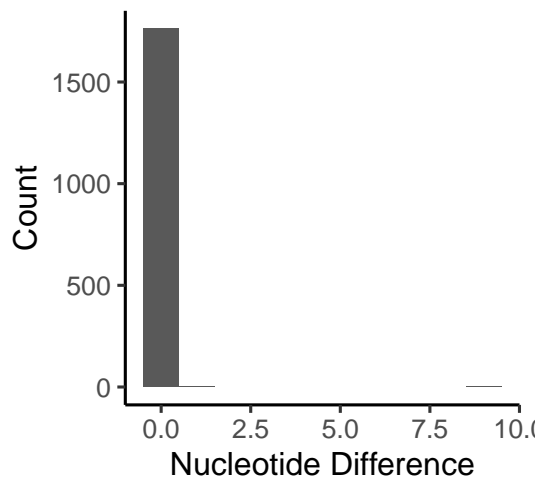
### TRBV10-1\*ap01

917 sequences assigned  
913 (99.6%) exact matches, in which:  
912 unique CDR3  
13 unique J



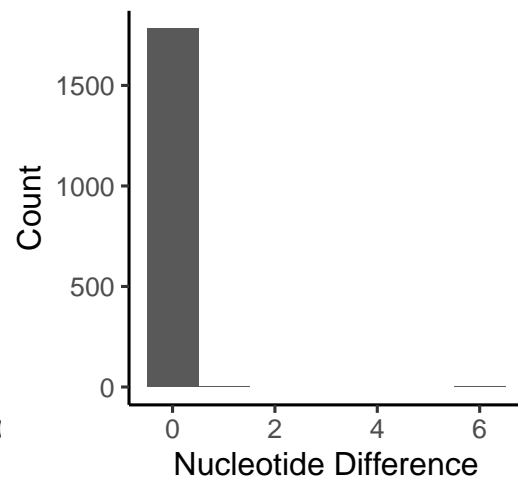
### TRBV10-3\*ap01

1767 sequences assigned  
1762 (99.7%) exact matches, in which:  
1757 unique CDR3  
13 unique J



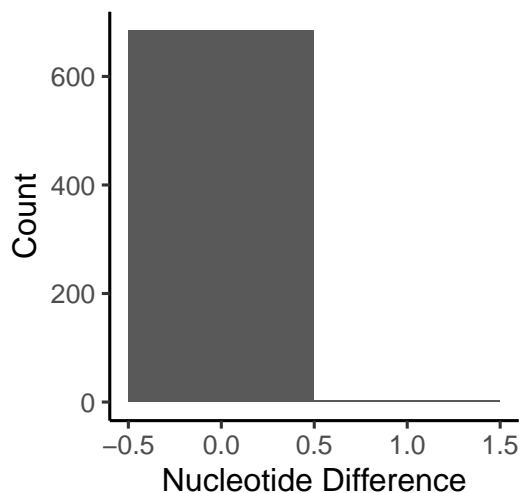
### TRBV14\*ap01

1785 sequences assigned  
1782 (99.8%) exact matches, in which:  
1779 unique CDR3  
13 unique J



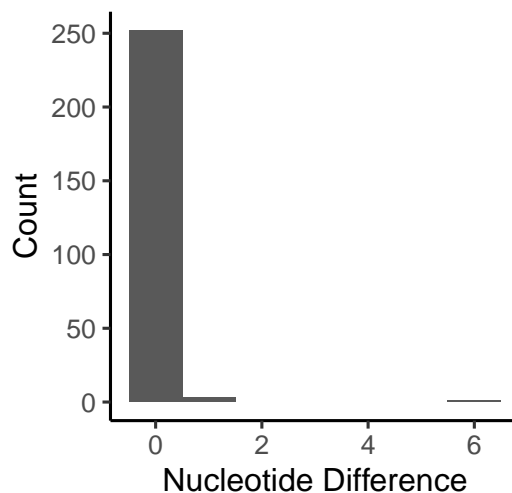
### TRBV20-1\*ap02

688 sequences assigned  
685 (99.6%) exact matches, in which:  
683 unique CDR3  
13 unique J



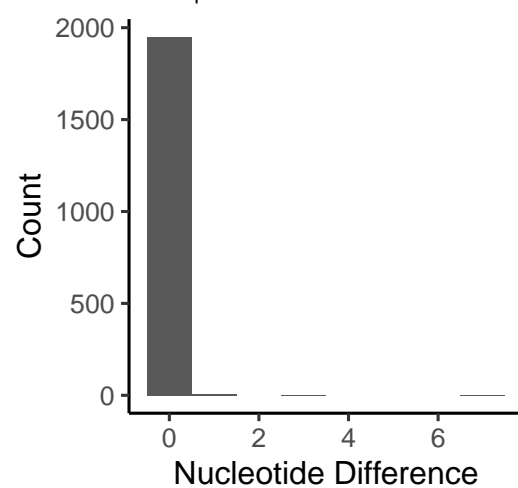
### TRBV1\*ap01

256 sequences assigned  
252 (98.4%) exact matches, in which:  
251 unique CDR3  
12 unique J



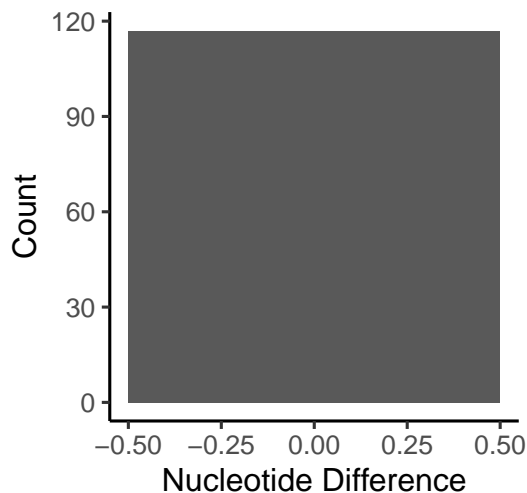
### TRBV15\*ap02

1959 sequences assigned  
1949 (99.5%) exact matches, in which:  
1939 unique CDR3  
13 unique J



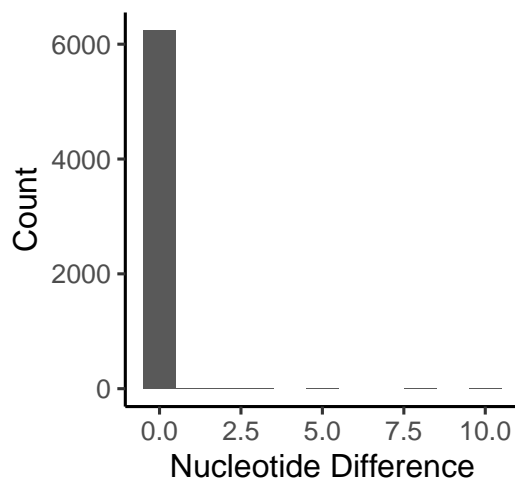
### TRBV16\*ap01

117 sequences assigned  
117 (100%) exact matches, in which:  
117 unique CDR3  
12 unique J



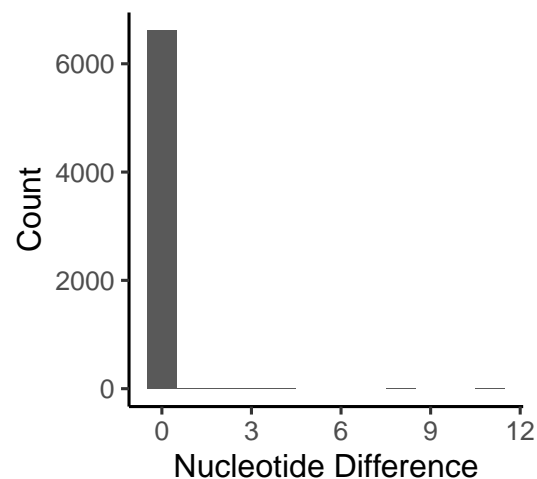
### TRBV19\*ap01

6262 sequences assigned  
6240 (99.6%) exact matches, in which:  
6237 unique CDR3  
13 unique J



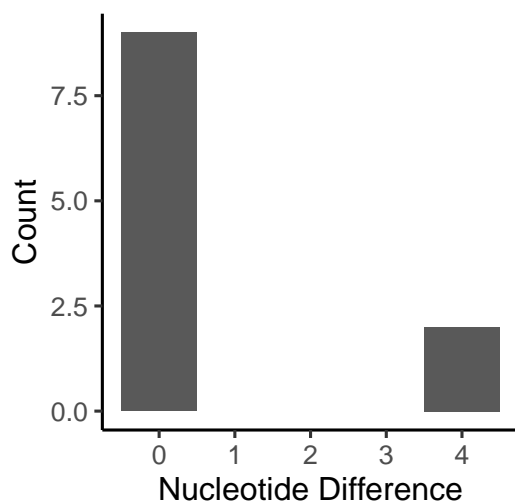
### TRBV27\*ap01

6640 sequences assigned  
6616 (99.6%) exact matches, in which:  
6595 unique CDR3  
13 unique J



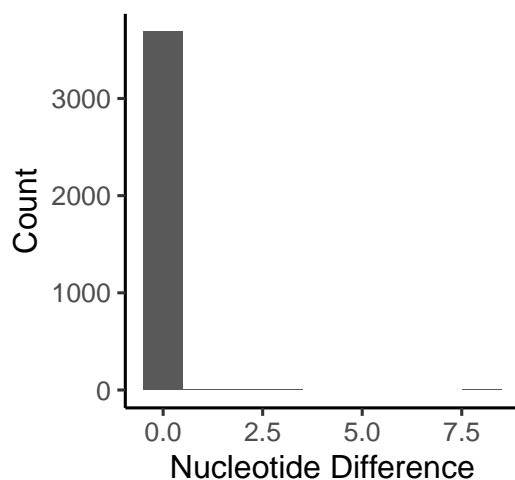
### TRBV17\*ap01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
6 unique J



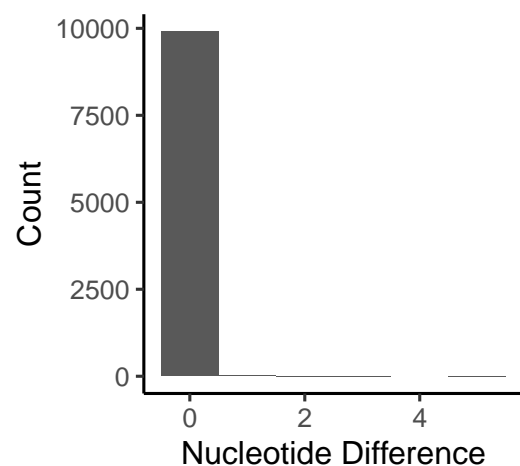
### TRBV2\*ap01

3699 sequences assigned  
3687 (99.7%) exact matches, in which:  
3674 unique CDR3  
13 unique J



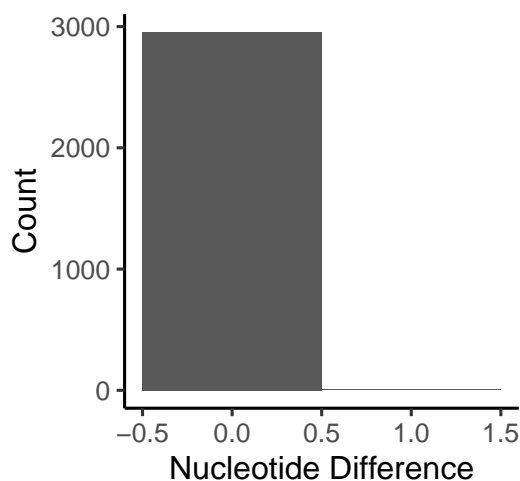
### TRBV28\*ap01

9939 sequences assigned  
9910 (99.7%) exact matches, in which:  
9887 unique CDR3  
13 unique J



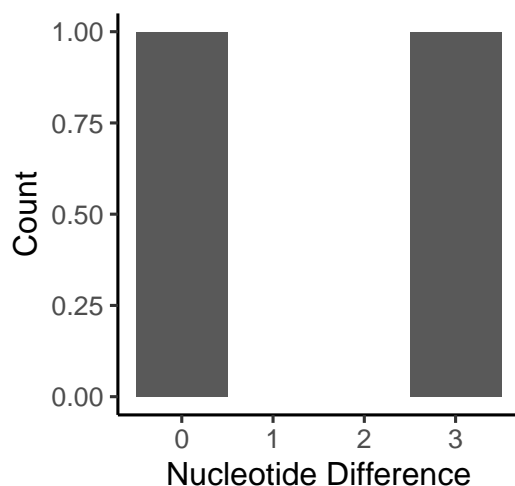
### TRBV18\*ap01

2961 sequences assigned  
2955 (99.8%) exact matches, in which:  
2952 unique CDR3  
13 unique J



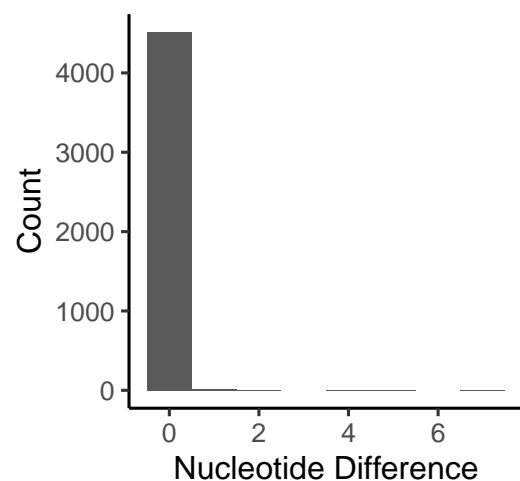
### TRBV26\*ap01

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



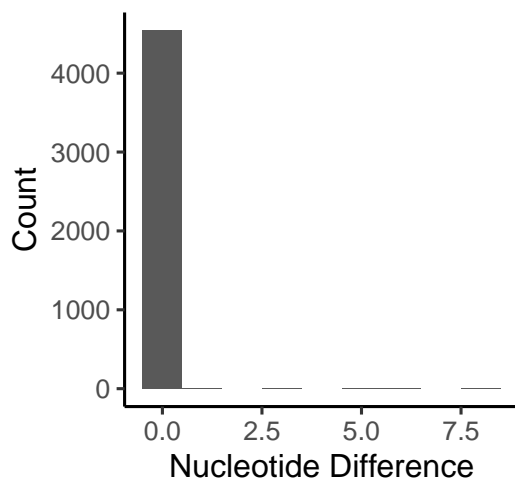
### TRBV30\*ap01

4540 sequences assigned  
4515 (99.4%) exact matches, in which:  
4504 unique CDR3  
13 unique J



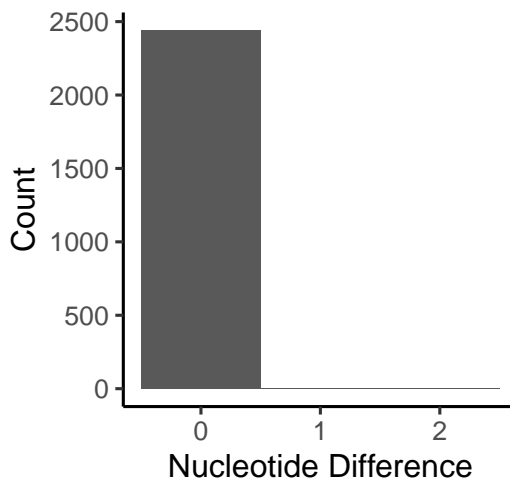
### TRBV9\*ap01

4549 sequences assigned  
4542 (99.8%) exact matches, in which:  
4527 unique CDR3  
13 unique J



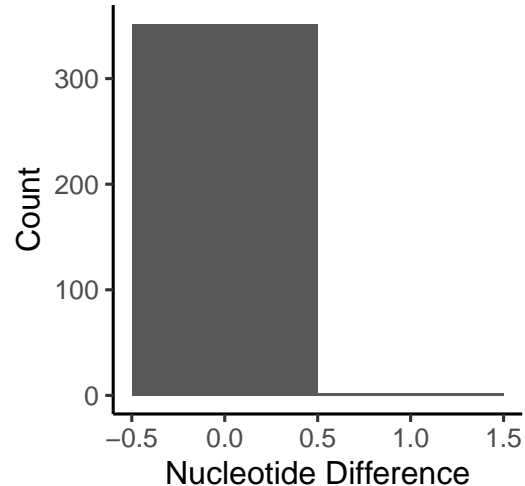
### TRBV11-2\*ap01

2444 sequences assigned  
2440 (99.8%) exact matches, in which:  
2436 unique CDR3  
13 unique J



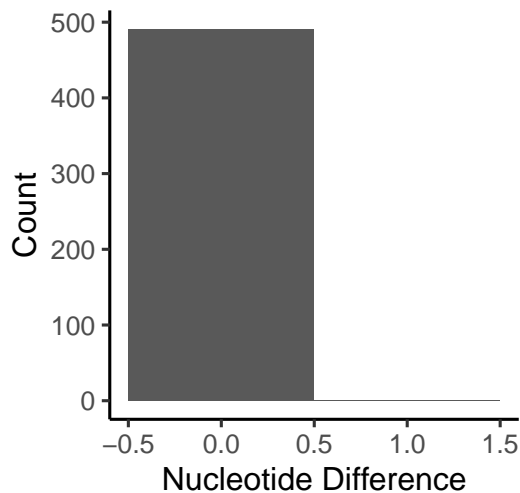
### TRBV12-2\*ap01

354 sequences assigned  
352 (99.4%) exact matches, in which:  
351 unique CDR3  
12 unique J



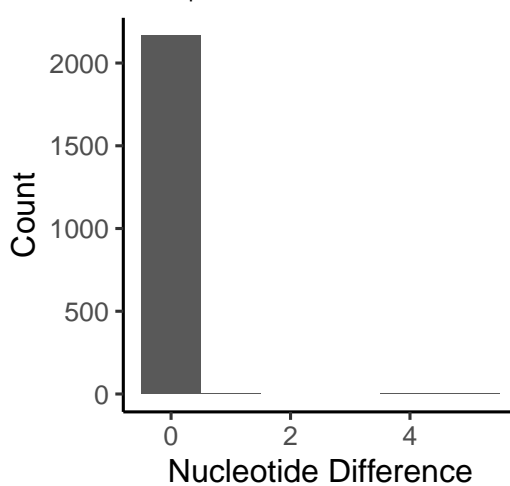
### TRBV11-1\*ap01

492 sequences assigned  
491 (99.8%) exact matches, in which:  
490 unique CDR3  
12 unique J



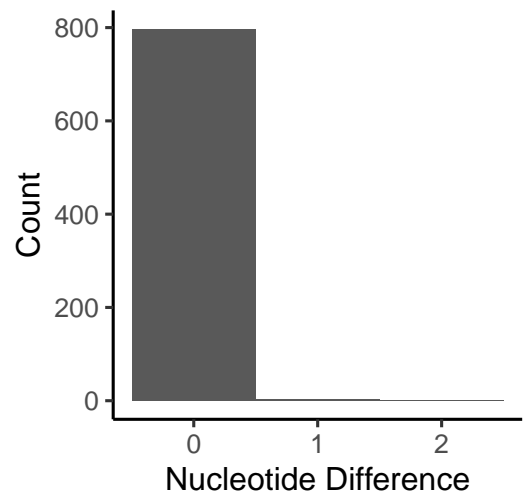
### TRBV11-3\*ap01

2171 sequences assigned  
2165 (99.7%) exact matches, in which:  
2160 unique CDR3  
12 unique J



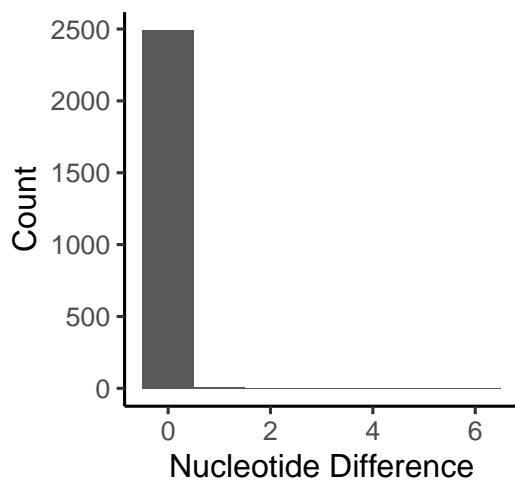
### TRBV12-5\*ap01

801 sequences assigned  
797 (99.5%) exact matches, in which:  
795 unique CDR3  
12 unique J



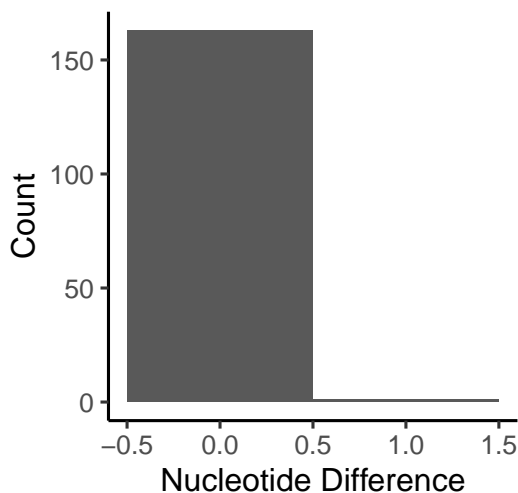
### TRBV21-1\*ap01

2513 sequences assigned  
2493 (99.2%) exact matches, in which:  
2491 unique CDR3  
12 unique J



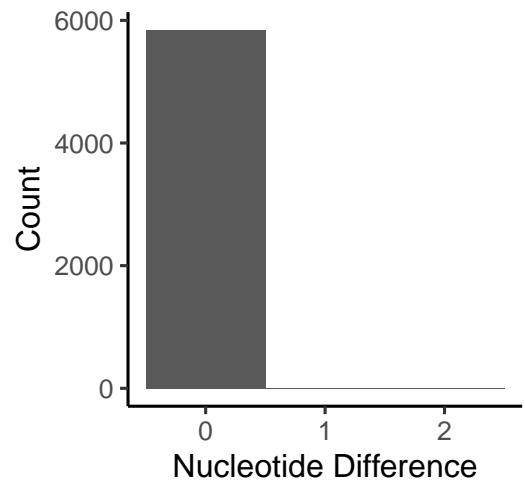
### TRBV12-1\*ap01

164 sequences assigned  
163 (99.4%) exact matches, in which:  
163 unique CDR3  
12 unique J



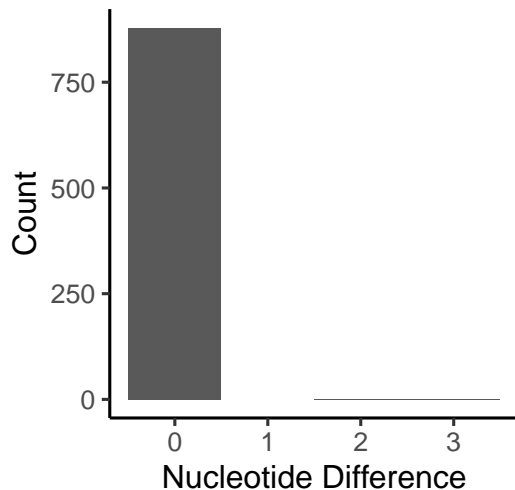
### TRBV12-34\*ap01

5853 sequences assigned  
5842 (99.8%) exact matches, in which:  
5832 unique CDR3  
13 unique J



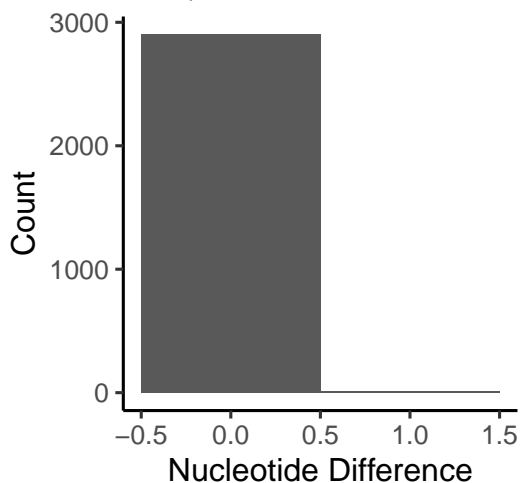
### TRBV23-1\*ap01

881 sequences assigned  
879 (99.8%) exact matches, in which:  
879 unique CDR3  
13 unique J



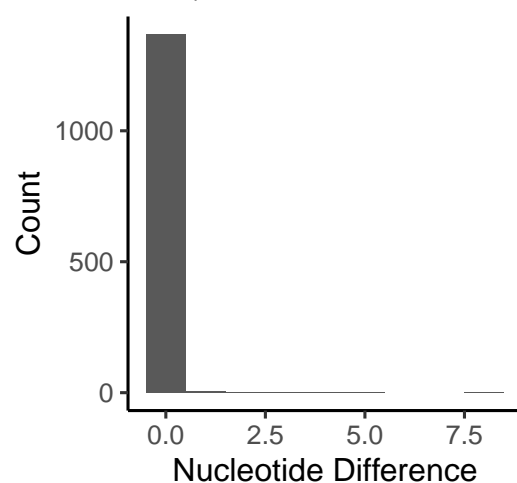
### TRBV4-1\*ap01

2913 sequences assigned  
2902 (99.6%) exact matches, in which:  
2890 unique CDR3  
13 unique J



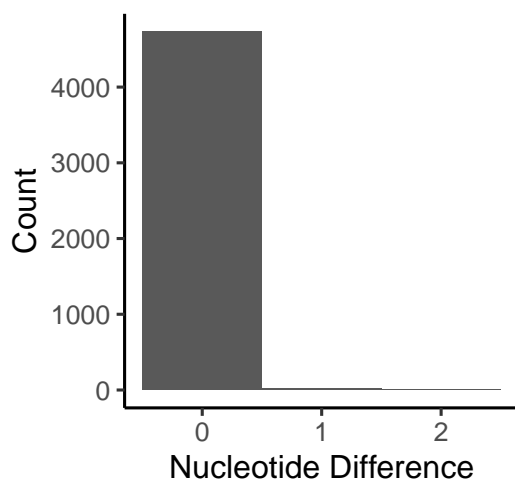
### TRBV25-1\*ap01

1379 sequences assigned  
1368 (99.2%) exact matches, in which:  
1367 unique CDR3  
13 unique J



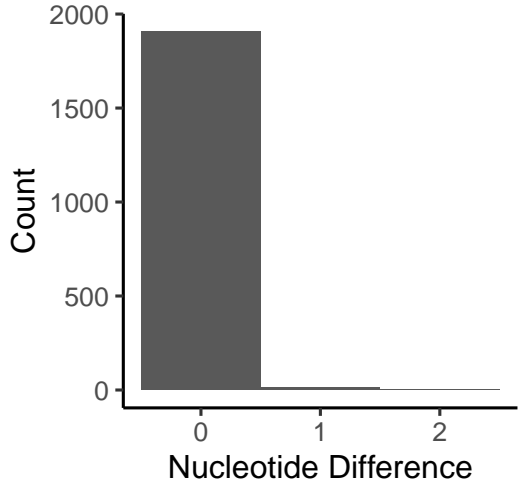
### TRBV3-12\*ap01

4751 sequences assigned  
4731 (99.6%) exact matches, in which:  
4719 unique CDR3  
13 unique J



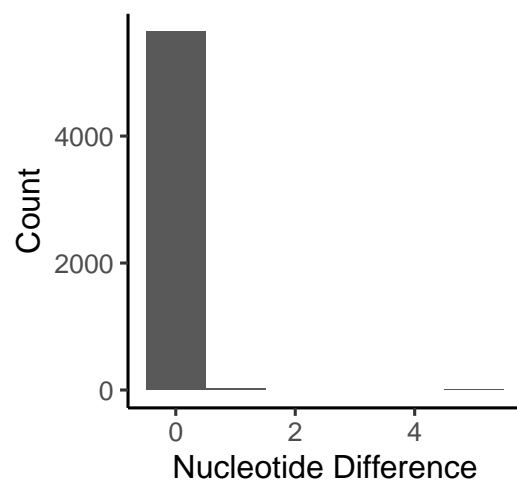
### TRBV4-2\*ap01

1921 sequences assigned  
1906 (99.2%) exact matches, in which:  
1901 unique CDR3  
13 unique J



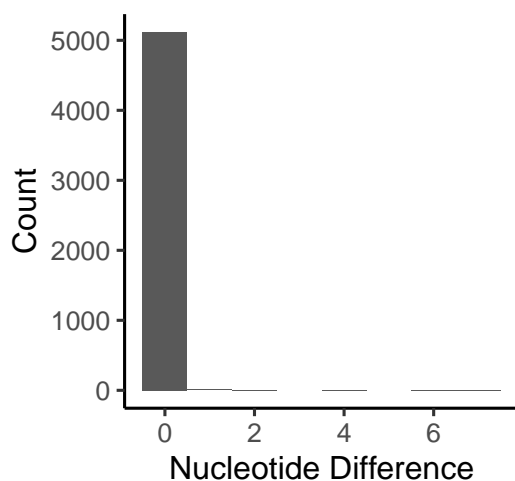
### TRBV5-1\*ap01

5668 sequences assigned  
5644 (99.6%) exact matches, in which:  
5609 unique CDR3  
13 unique J



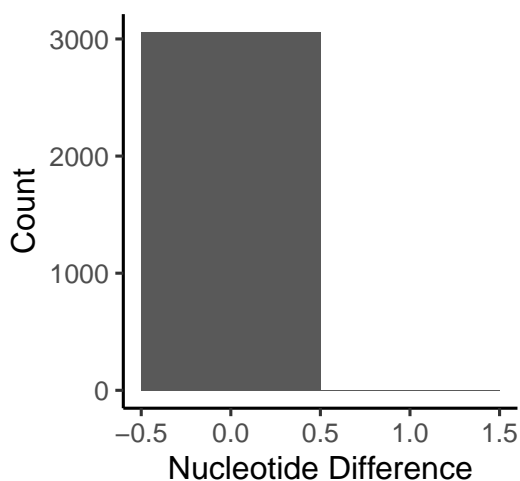
### TRBV24-1\*ap01

5137 sequences assigned  
5118 (99.6%) exact matches, in which:  
5108 unique CDR3  
13 unique J



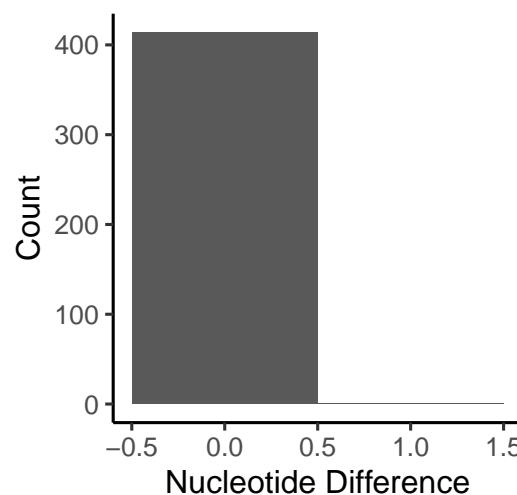
### TRBV4-3\*ap01

3064 sequences assigned  
3059 (99.8%) exact matches, in which:  
3049 unique CDR3  
13 unique J



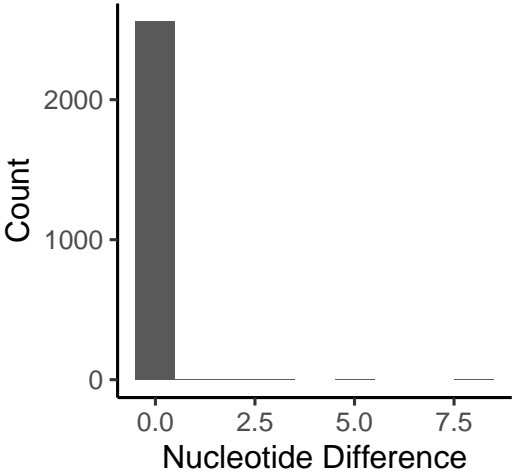
### TRBV5-3\*ap01

415 sequences assigned  
414 (99.8%) exact matches, in which:  
413 unique CDR3  
12 unique J



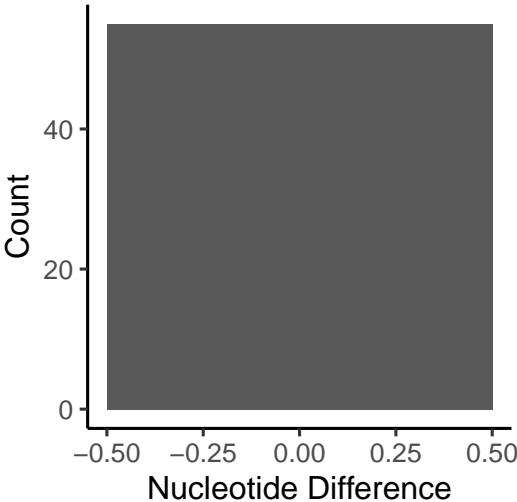
TRBV5-4\*ap01

2570 sequences assigned  
2559 (99.6%) exact matches, in which:  
2551 unique CDR3  
13 unique J



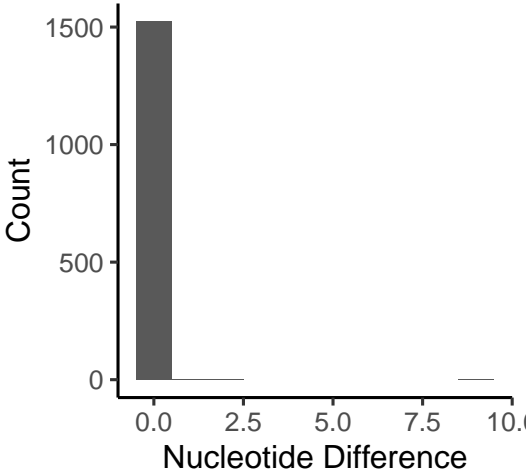
TRBV5-7\*ap01

55 sequences assigned  
55 (100%) exact matches, in which:  
55 unique CDR3  
11 unique J



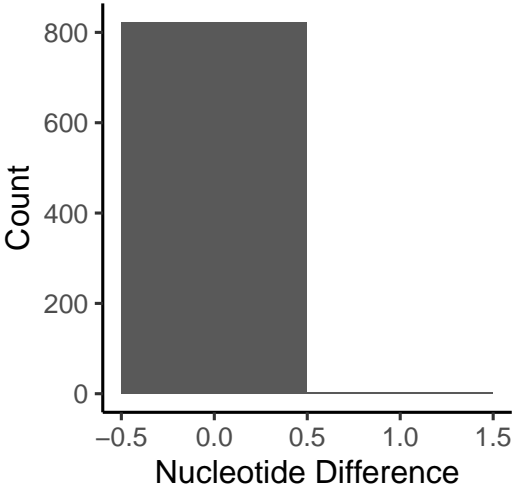
TRBV6-4\*ap01

1530 sequences assigned  
1524 (99.6%) exact matches, in which:  
1524 unique CDR3  
13 unique J



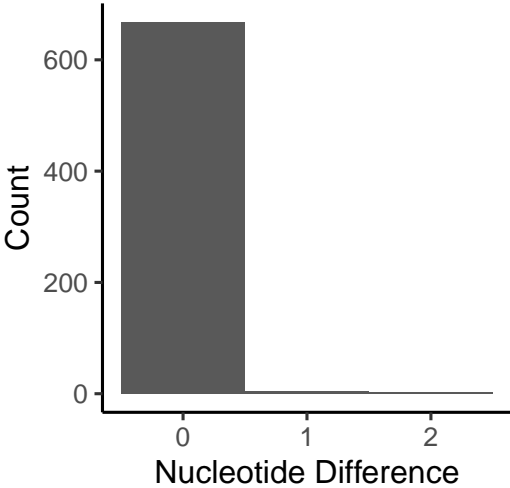
TRBV5-5\*ap01

826 sequences assigned  
823 (99.6%) exact matches, in which:  
823 unique CDR3  
12 unique J



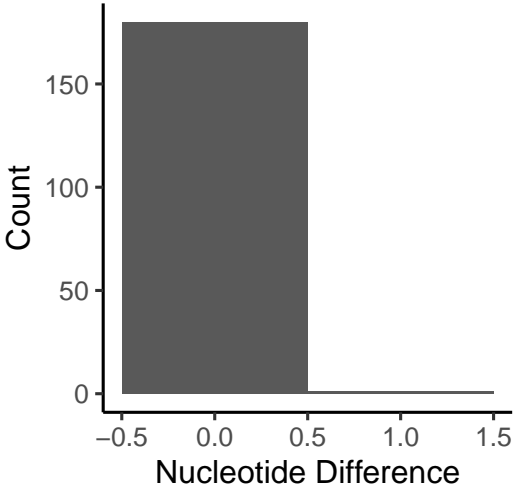
TRBV5-8\*ap01

674 sequences assigned  
668 (99.1%) exact matches, in which:  
668 unique CDR3  
12 unique J



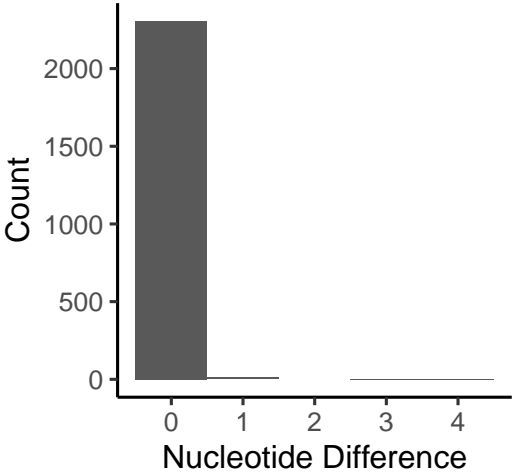
TRBV6-7\*ap01

181 sequences assigned  
180 (99.4%) exact matches, in which:  
180 unique CDR3  
11 unique J



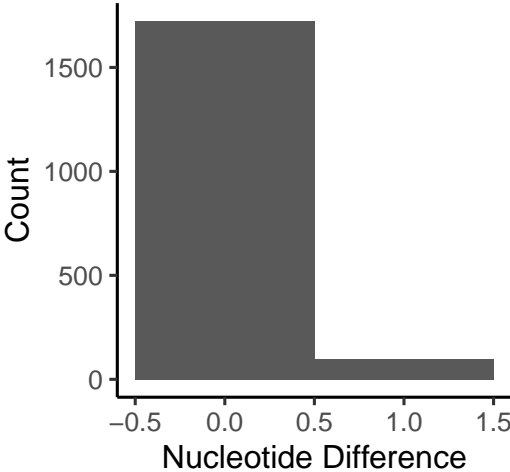
TRBV5-6\*ap01

2319 sequences assigned  
2306 (99.4%) exact matches, in which:  
2294 unique CDR3  
13 unique J



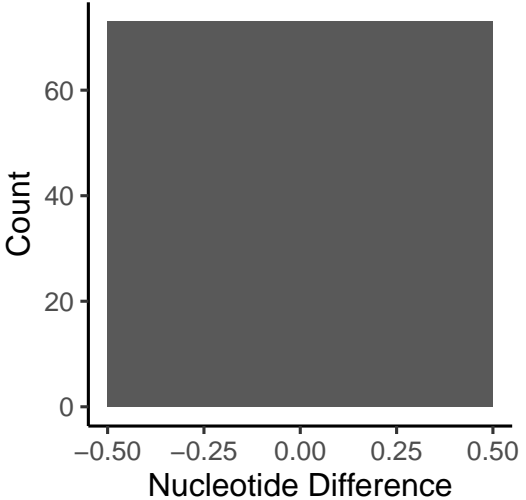
TRBV6-1\*ap01

1821 sequences assigned  
1723 (94.6%) exact matches, in which:  
1718 unique CDR3  
13 unique J



TRBV6-8\*ap01

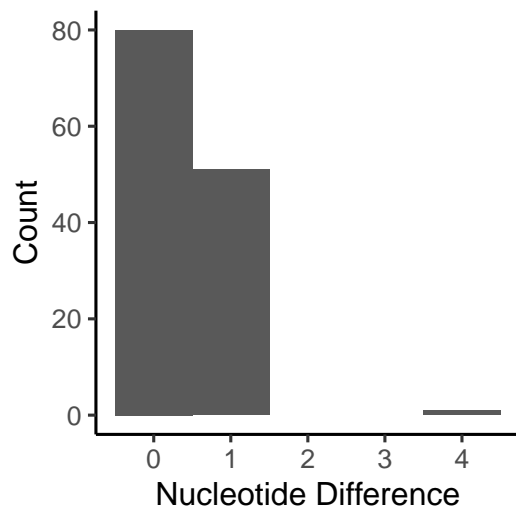
73 sequences assigned  
73 (100%) exact matches, in which:  
73 unique CDR3  
12 unique J





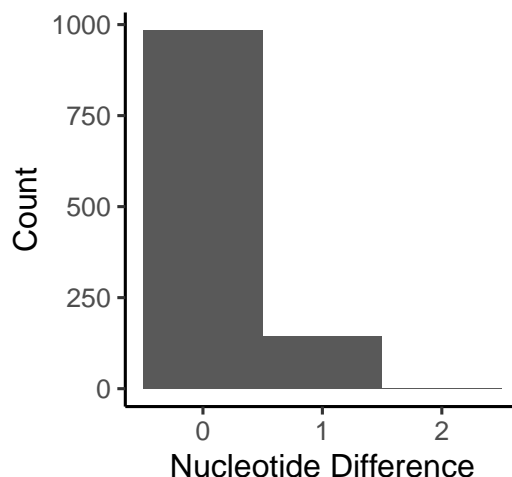
### TRBV6-9\*ap01

132 sequences assigned  
80 (60.6%) exact matches, in which:  
79 unique CDR3  
12 unique J



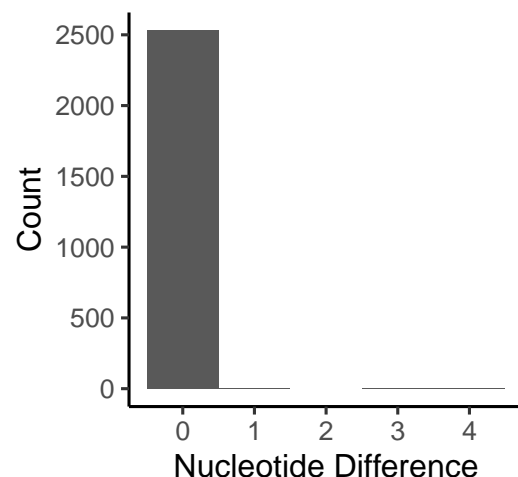
### TRBV6-56\*ap02

1128 sequences assigned  
984 (87.2%) exact matches, in which:  
980 unique CDR3  
13 unique J



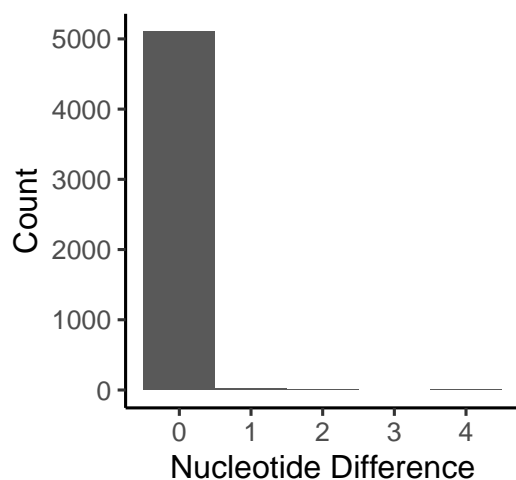
### TRBV7-3\*ap01

2539 sequences assigned  
2531 (99.7%) exact matches, in which:  
2523 unique CDR3  
13 unique J



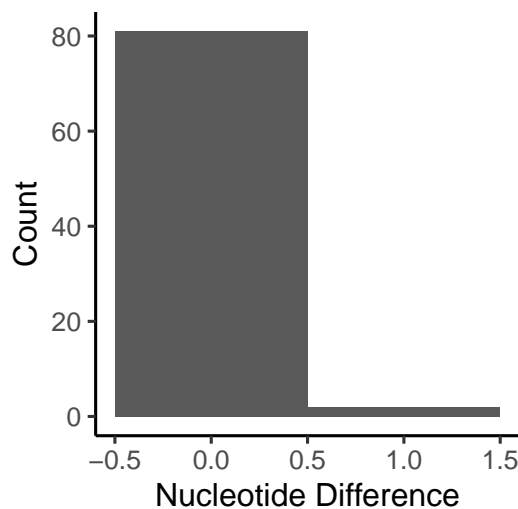
### TRBV6-23\*ap01

5121 sequences assigned  
5102 (99.6%) exact matches, in which:  
5080 unique CDR3  
13 unique J



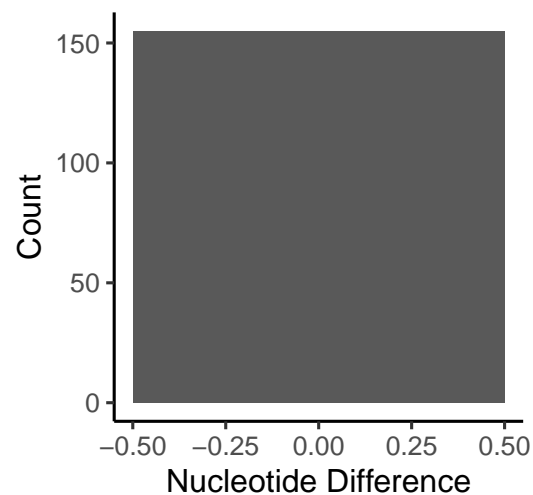
### TRBV7-1\*ap01\_G291C\_T

83 sequences assigned  
81 (97.6%) exact matches, in which:  
81 unique CDR3  
11 unique J



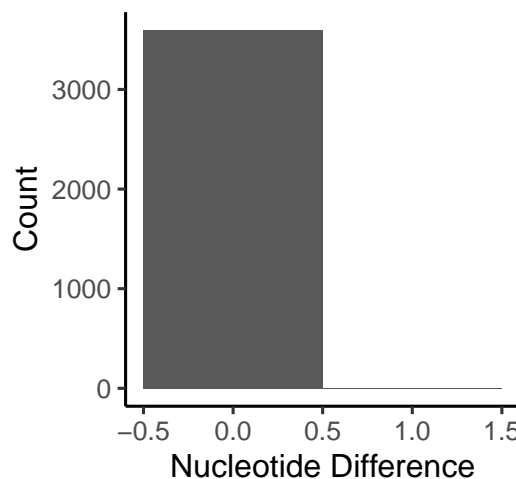
### TRBV7-4\*ap01

155 sequences assigned  
155 (100%) exact matches, in which:  
155 unique CDR3  
12 unique J



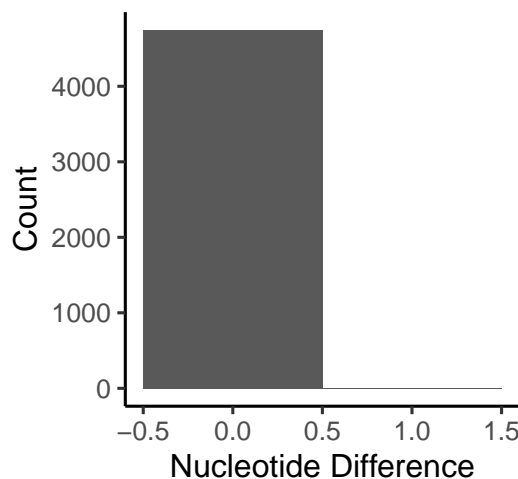
### TRBV6-56\*ap01

3601 sequences assigned  
3596 (99.9%) exact matches, in which:  
3582 unique CDR3  
13 unique J



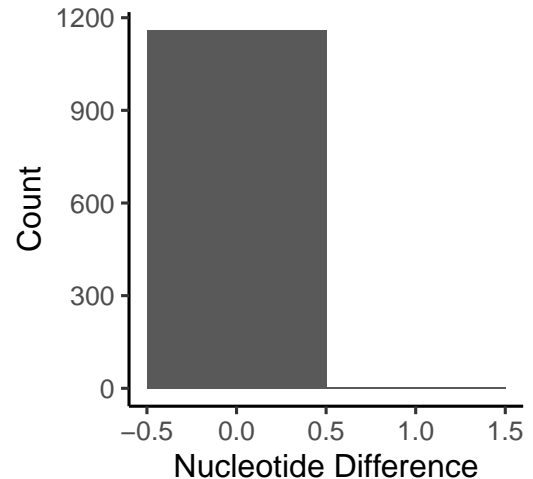
### TRBV7-2\*ap01

4753 sequences assigned  
4745 (99.8%) exact matches, in which:  
4737 unique CDR3  
13 unique J



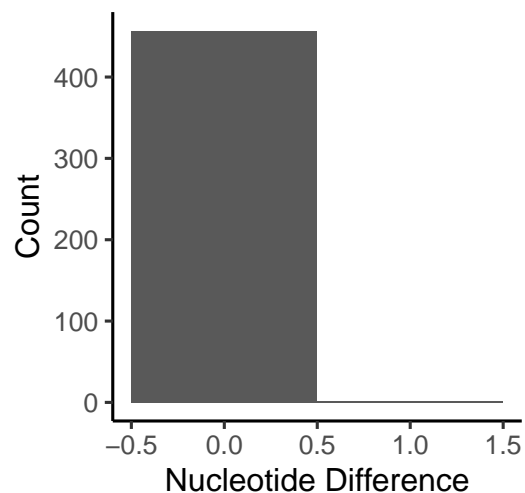
### TRBV7-6\*ap01

1165 sequences assigned  
1160 (99.6%) exact matches, in which:  
1160 unique CDR3  
13 unique J



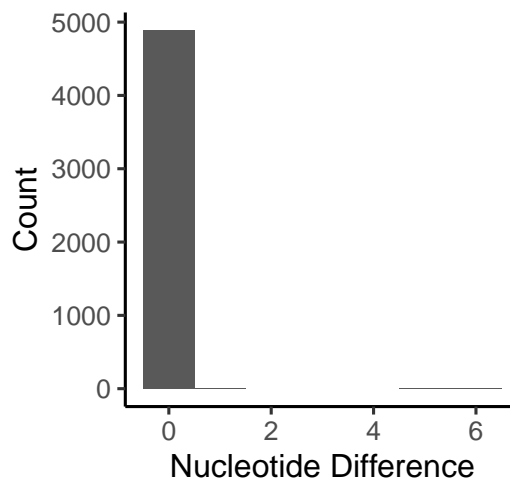
### TRBV7-7\*ap01\_C315T

459 sequences assigned  
457 (99.6%) exact matches, in which:  
456 unique CDR3  
12 unique J



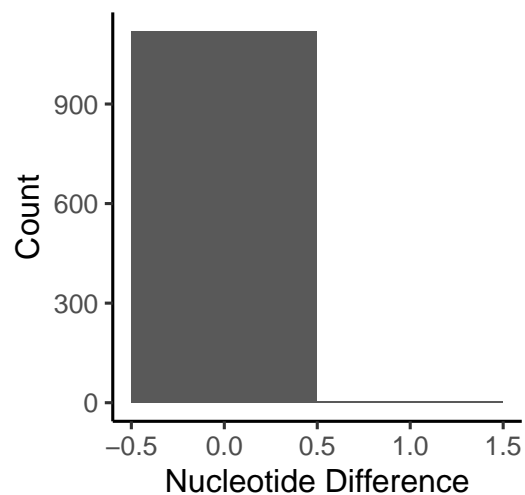
### TRBV7-9\*ap01

4898 sequences assigned  
4887 (99.8%) exact matches, in which:  
4880 unique CDR3  
13 unique J



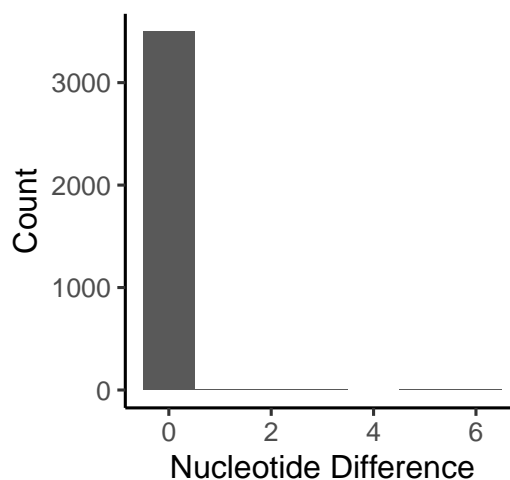
### TRBV7-8\*ap01

1124 sequences assigned  
1120 (99.6%) exact matches, in which:  
1118 unique CDR3  
13 unique J



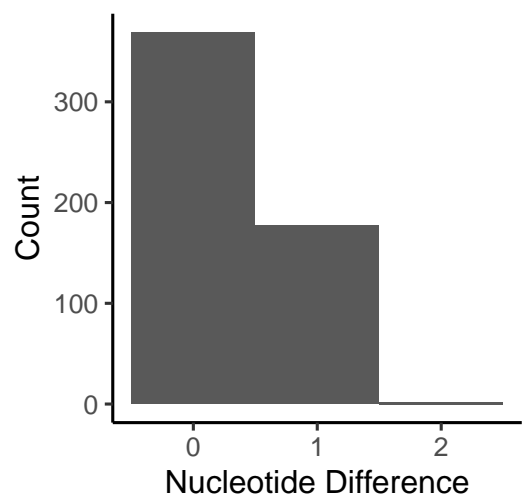
### TRBV29-1\*ap01

3511 sequences assigned  
3497 (99.6%) exact matches, in which:  
3487 unique CDR3  
12 unique J

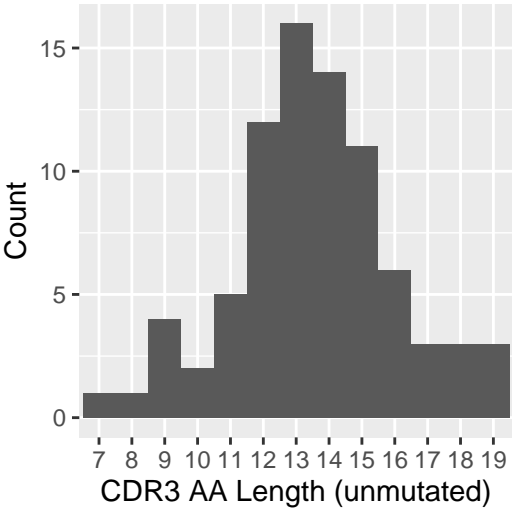


### TRBV7-8\*ap03

548 sequences assigned  
369 (67.3%) exact matches, in which:  
369 unique CDR3  
12 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

