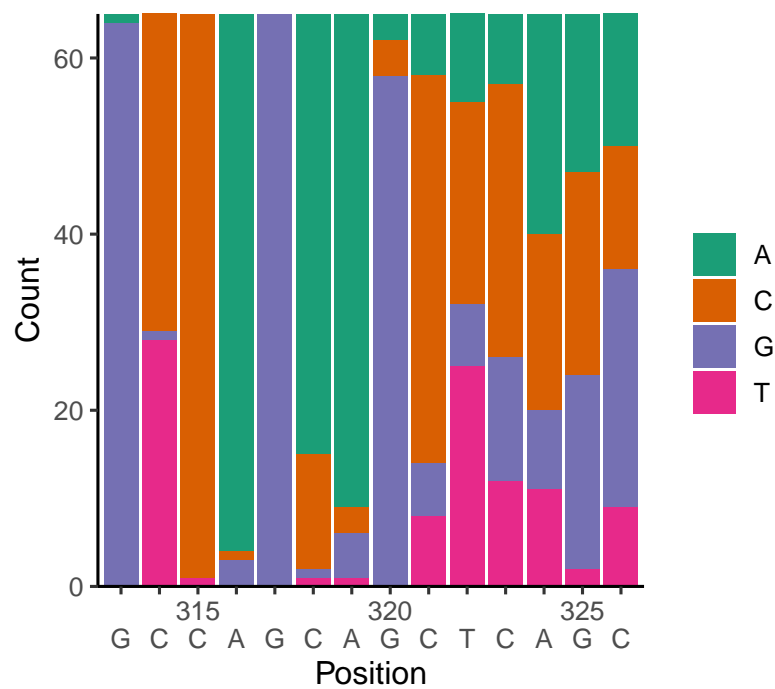
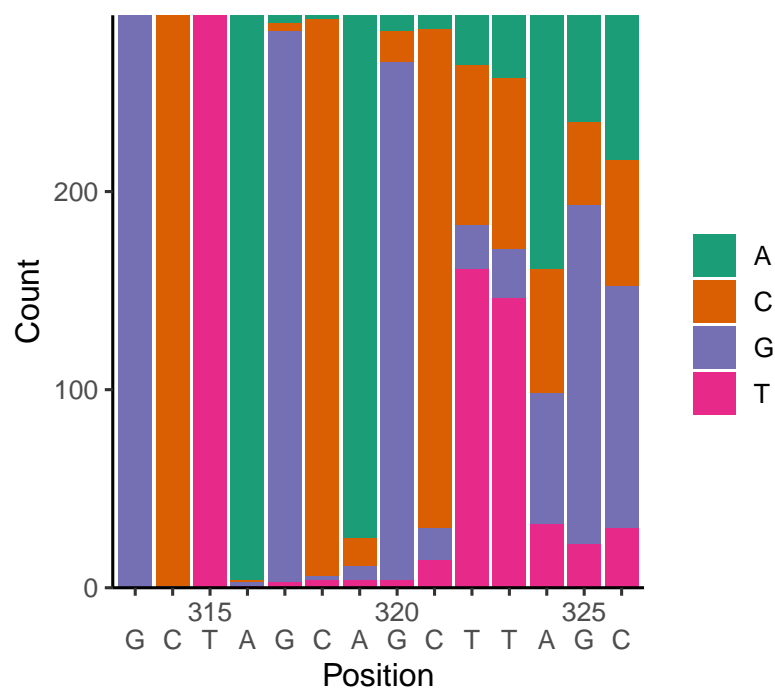


Gene TRBV7-1\*ap01\_T296C



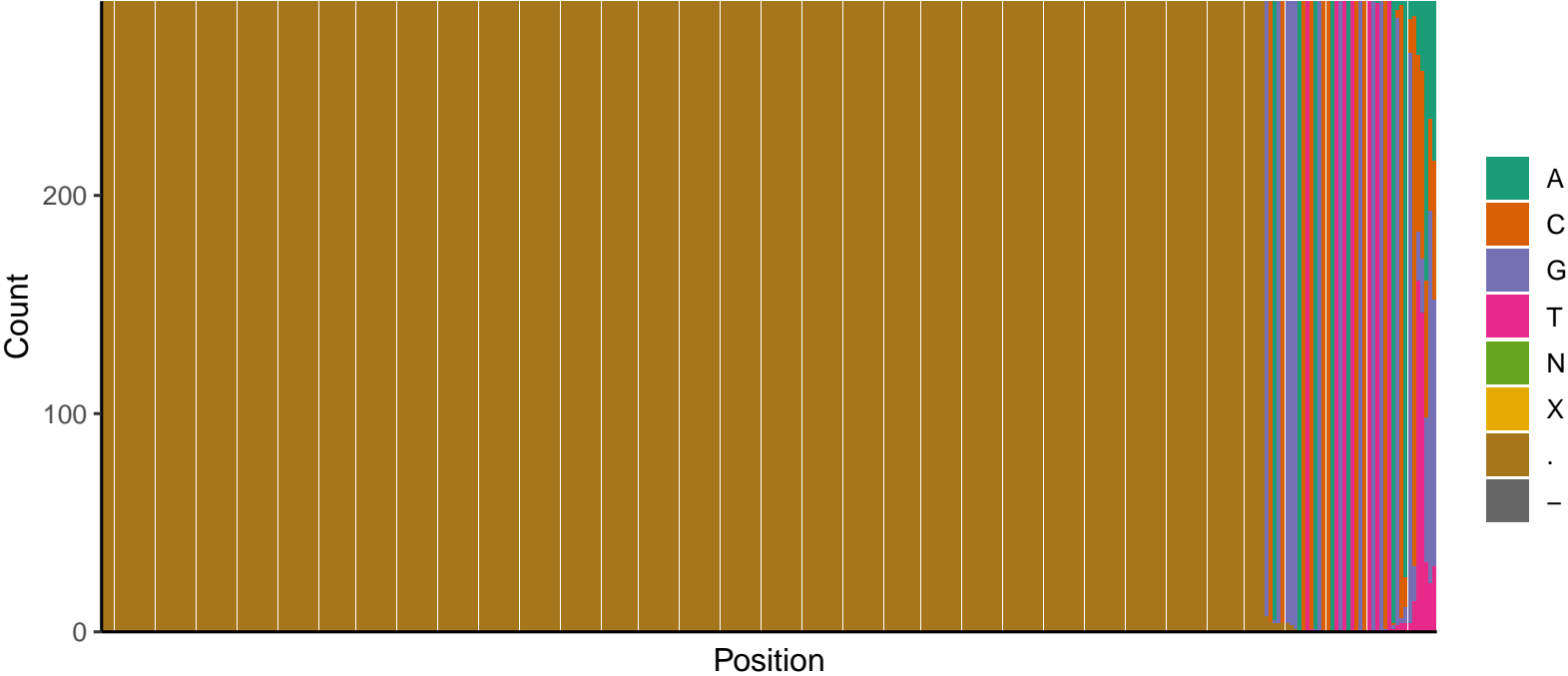
Gene TRBV7-7\*ap01\_C315T



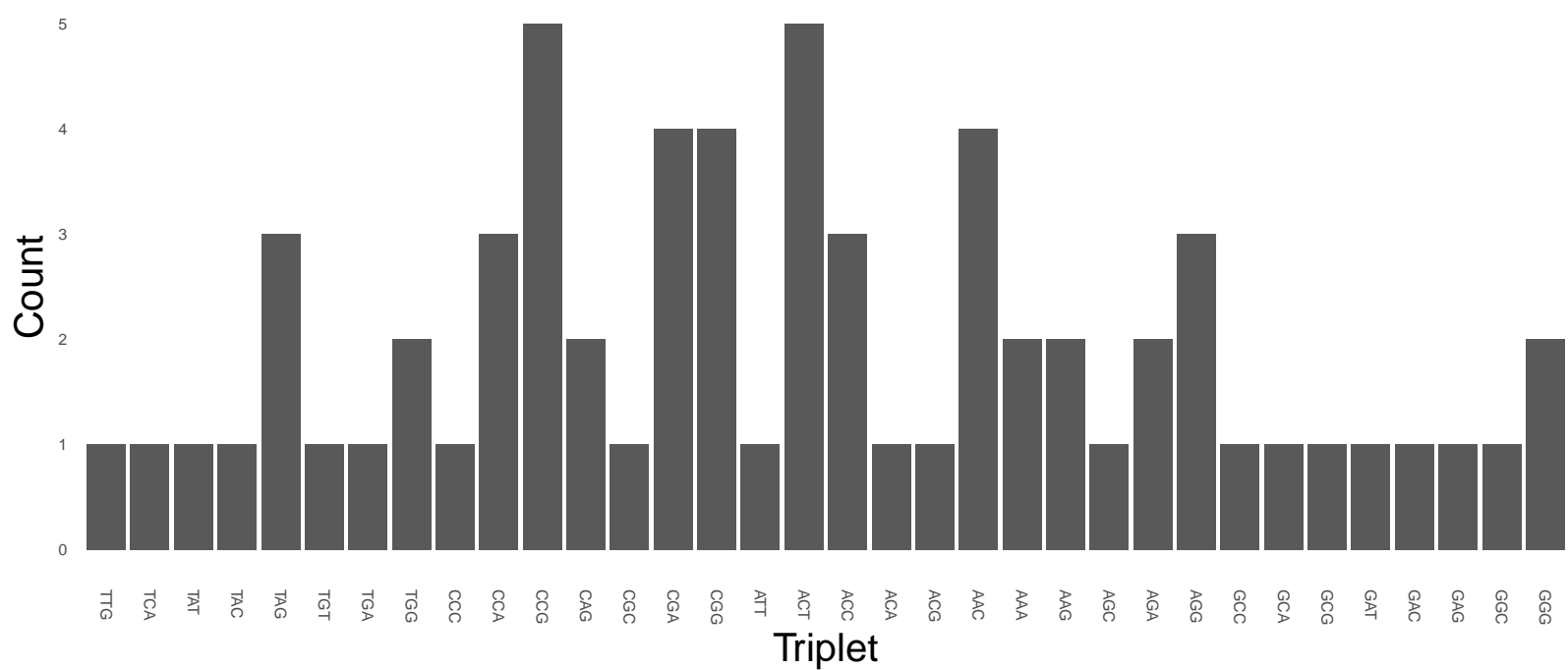
Gene TRBV7-1\*ap01\_T296C



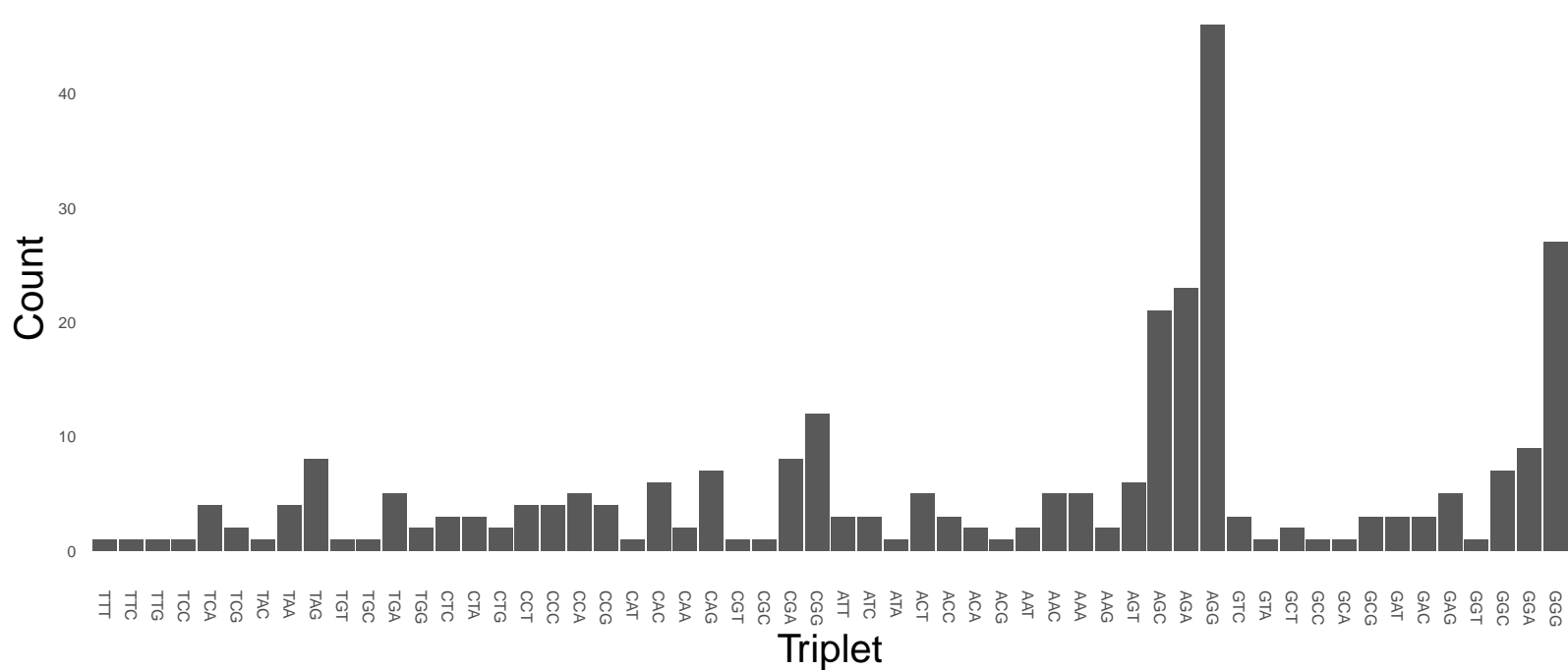
Gene TRBV7-7\*ap01\_C315T



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

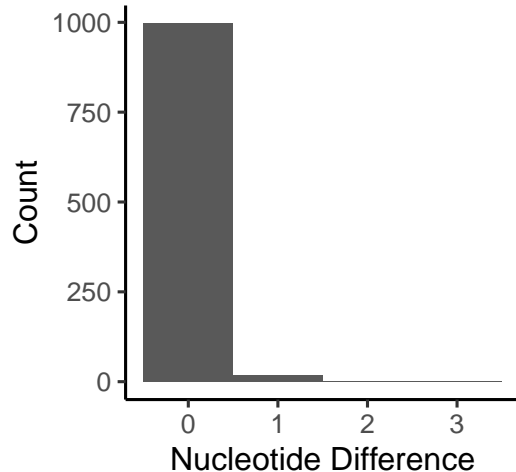


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



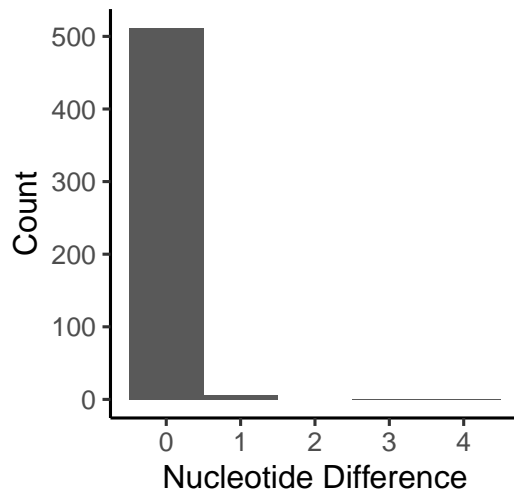
### TRBV10-1\*ap01

1018 sequences assigned  
997 (97.9%) exact matches, in which:  
981 unique CDR3  
13 unique J



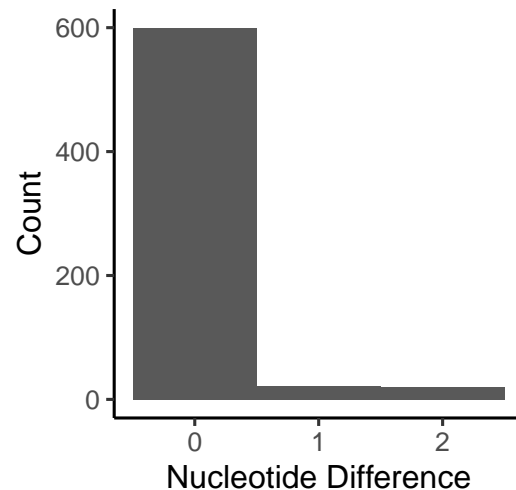
### TRBV10-2\*ap01

520 sequences assigned  
512 (98.5%) exact matches, in which:  
507 unique CDR3  
13 unique J



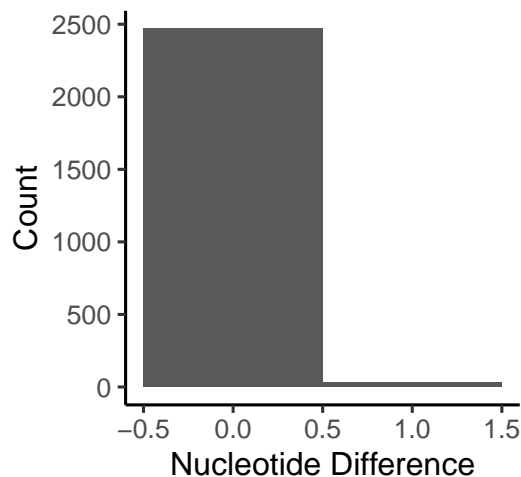
### TRBV13\*ap01

642 sequences assigned  
600 (93.5%) exact matches, in which:  
588 unique CDR3  
13 unique J



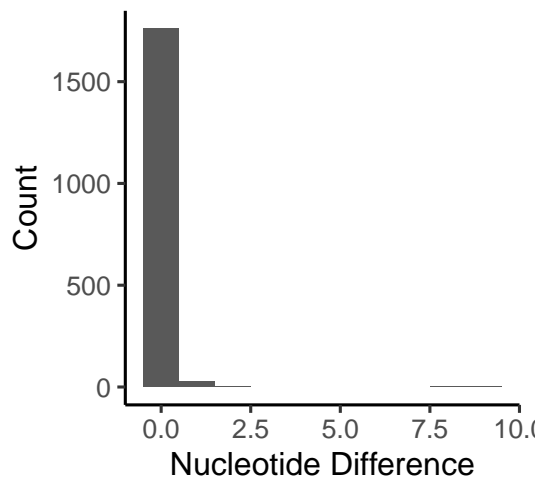
### TRBV20-1\*ap01

2498 sequences assigned  
2469 (98.8%) exact matches, in which:  
2445 unique CDR3  
13 unique J



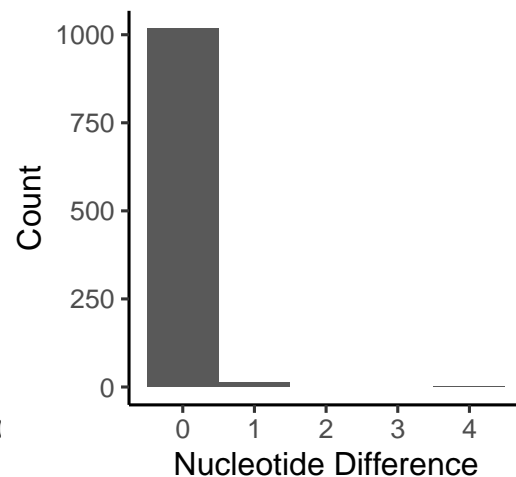
### TRBV10-3\*ap01

1789 sequences assigned  
1760 (98.4%) exact matches, in which:  
1730 unique CDR3  
13 unique J



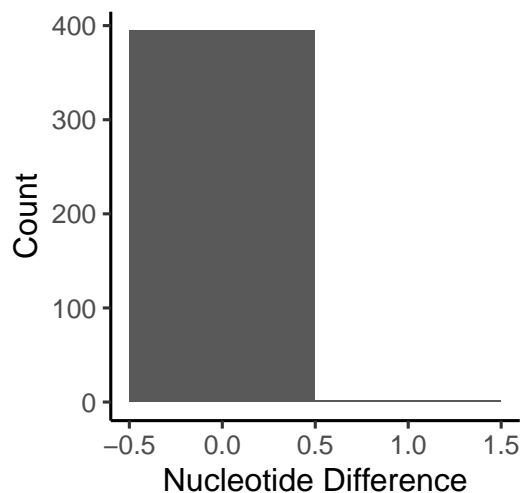
### TRBV14\*ap01

1032 sequences assigned  
1017 (98.5%) exact matches, in which:  
1008 unique CDR3  
13 unique J



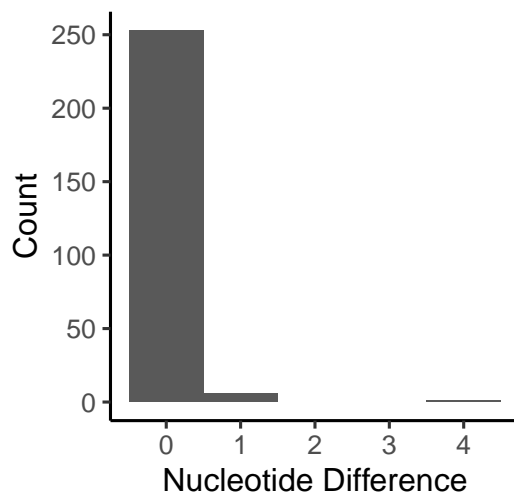
### TRBV20-1\*ap02

397 sequences assigned  
395 (99.5%) exact matches, in which:  
388 unique CDR3  
13 unique J



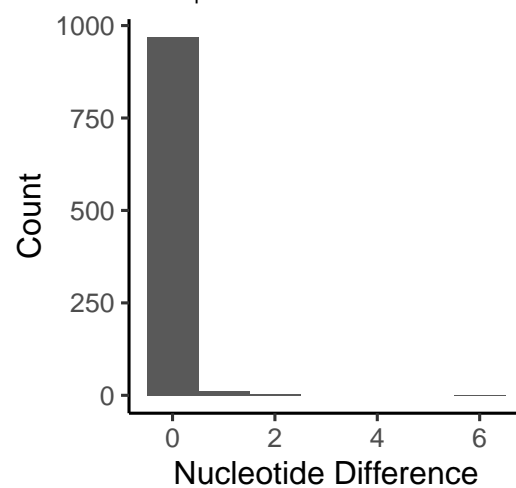
### TRBV1\*ap01

260 sequences assigned  
253 (97.3%) exact matches, in which:  
249 unique CDR3  
13 unique J



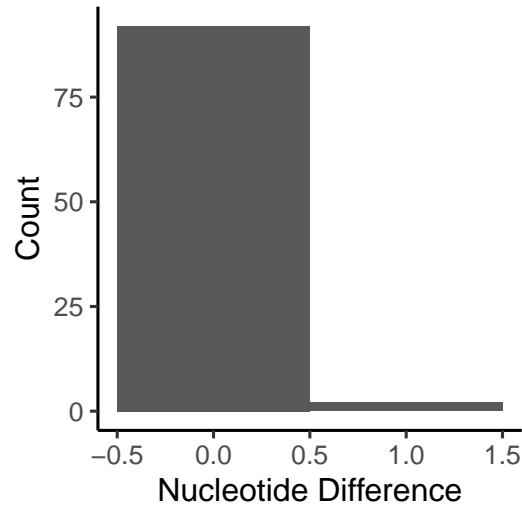
### TRBV15\*ap02

984 sequences assigned  
969 (98.5%) exact matches, in which:  
958 unique CDR3  
13 unique J



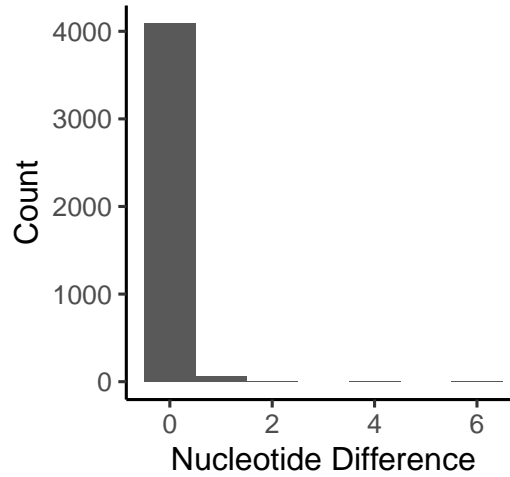
### TRBV16\*ap01

94 sequences assigned  
92 (97.9%) exact matches, in which:  
92 unique CDR3  
13 unique J



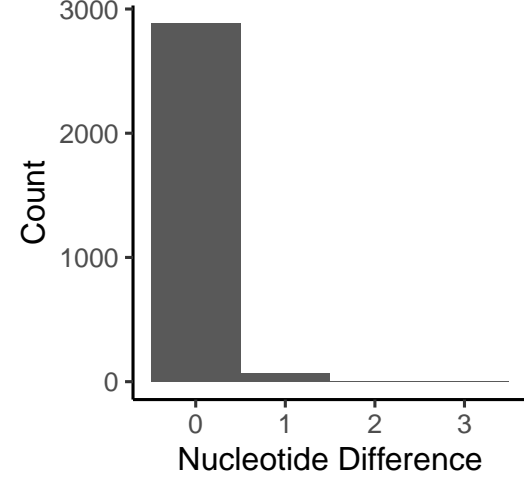
### TRBV2\*ap01

4160 sequences assigned  
4090 (98.3%) exact matches, in which:  
4046 unique CDR3  
13 unique J



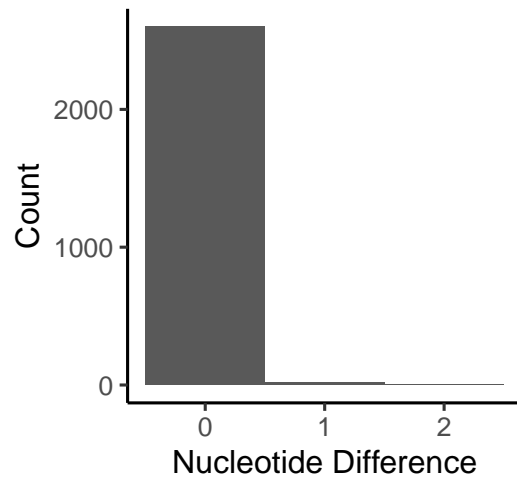
### TRBV30\*ap01

2955 sequences assigned  
2884 (97.6%) exact matches, in which:  
2795 unique CDR3  
13 unique J



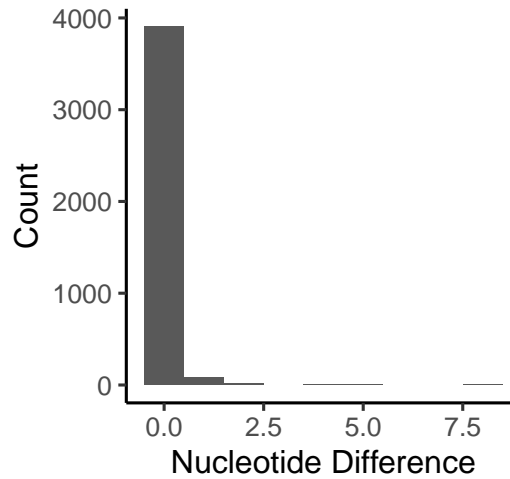
### TRBV18\*ap01

2617 sequences assigned  
2600 (99.4%) exact matches, in which:  
2588 unique CDR3  
13 unique J



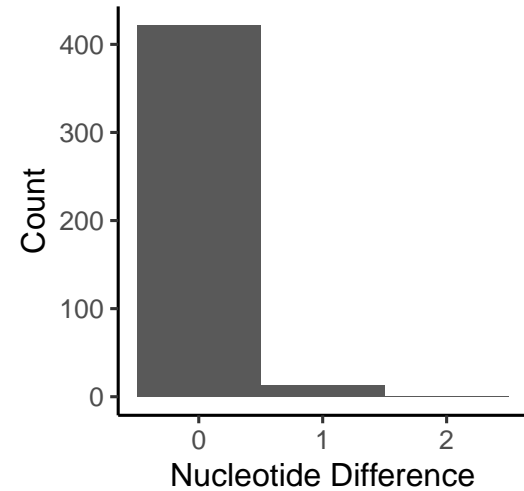
### TRBV27\*ap01

4002 sequences assigned  
3904 (97.6%) exact matches, in which:  
3860 unique CDR3  
13 unique J



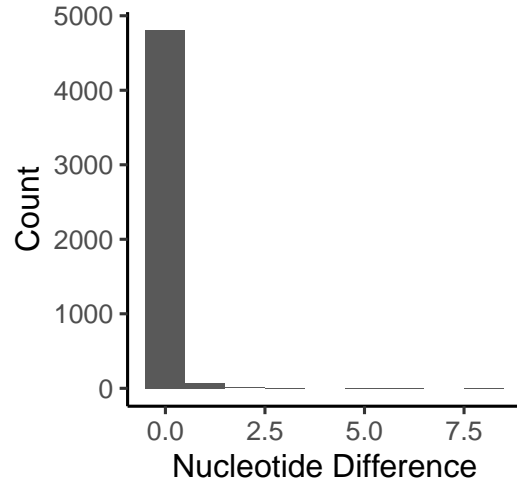
### TRBV30\*ap03

436 sequences assigned  
422 (96.8%) exact matches, in which:  
415 unique CDR3  
13 unique J



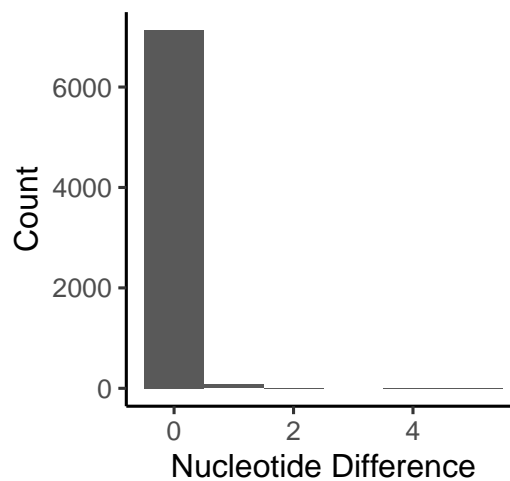
### TRBV19\*ap01

4894 sequences assigned  
4808 (98.2%) exact matches, in which:  
4786 unique CDR3  
13 unique J



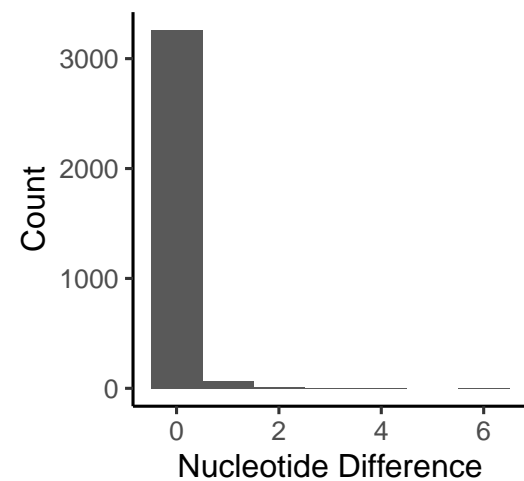
### TRBV28\*ap01

7213 sequences assigned  
7135 (98.9%) exact matches, in which:  
7077 unique CDR3  
13 unique J



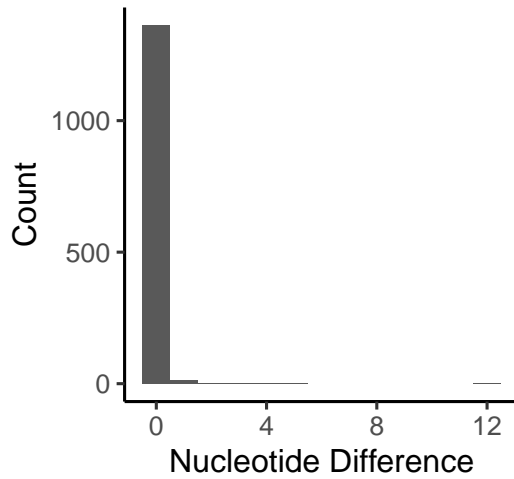
### TRBV9\*ap01

3341 sequences assigned  
3260 (97.6%) exact matches, in which:  
3239 unique CDR3  
13 unique J



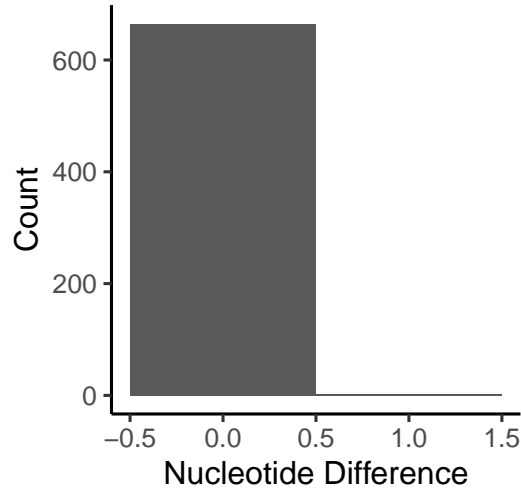
### TRBV21-1\*ap01

1387 sequences assigned  
1362 (98.2%) exact matches, in which:  
1355 unique CDR3  
13 unique J



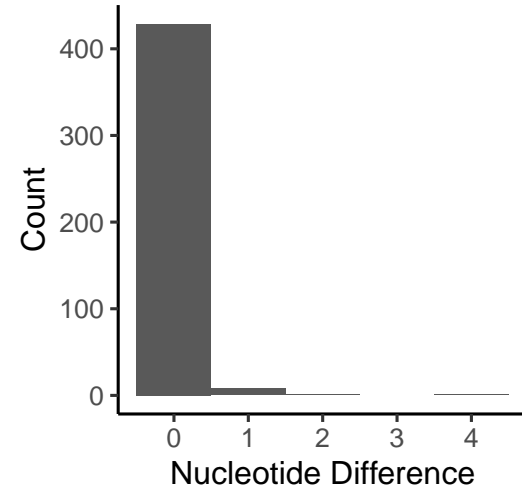
### TRBV11-3\*ap01

668 sequences assigned  
665 (99.6%) exact matches, in which:  
660 unique CDR3  
13 unique J



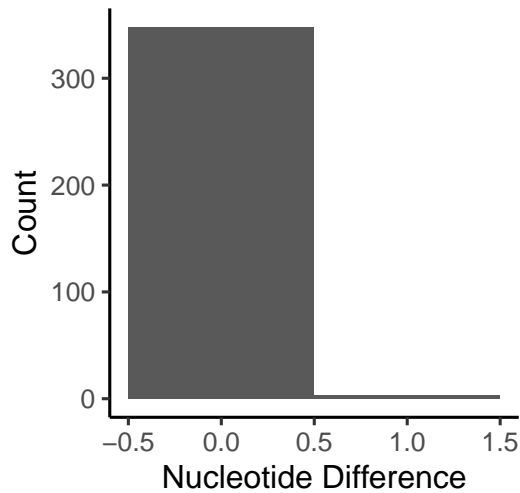
### TRBV12-5\*ap01

439 sequences assigned  
429 (97.7%) exact matches, in which:  
425 unique CDR3  
13 unique J



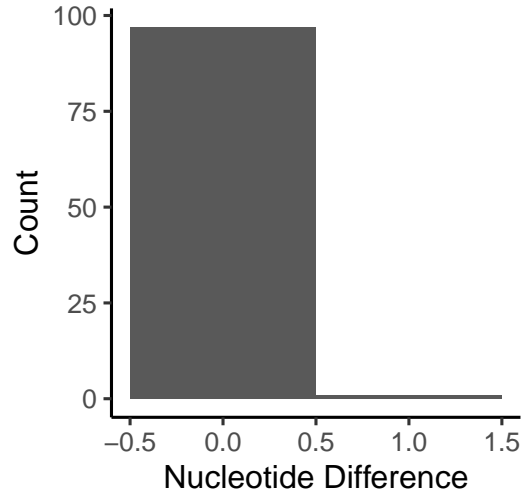
### TRBV11-1\*ap01

351 sequences assigned  
348 (99.1%) exact matches, in which:  
346 unique CDR3  
13 unique J



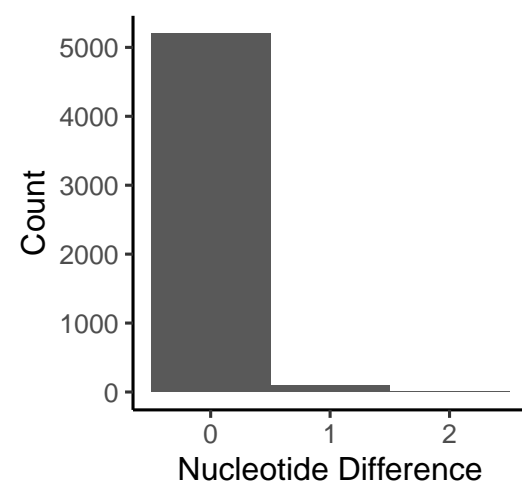
### TRBV12-1\*ap01

98 sequences assigned  
97 (99%) exact matches, in which:  
97 unique CDR3  
13 unique J



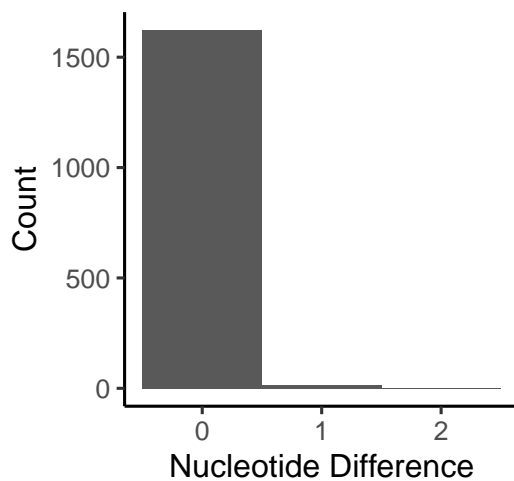
### TRBV12-34\*ap01

5304 sequences assigned  
5198 (98%) exact matches, in which:  
5138 unique CDR3  
13 unique J



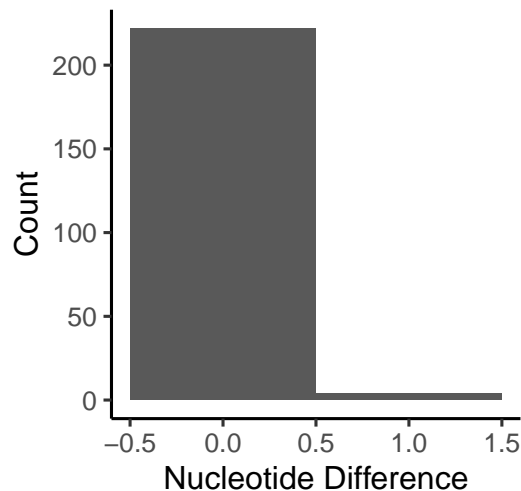
### TRBV11-2\*ap01

1638 sequences assigned  
1623 (99.1%) exact matches, in which:  
1612 unique CDR3  
13 unique J



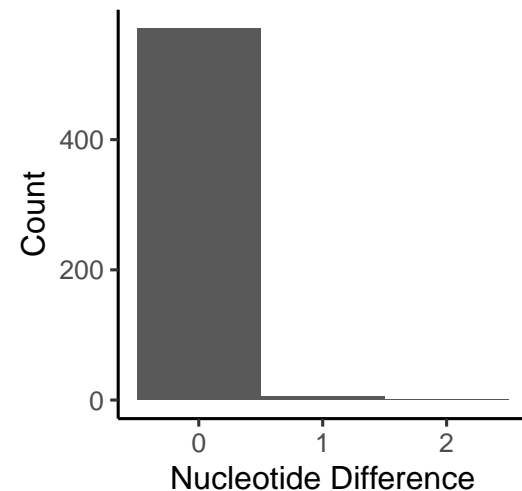
### TRBV12-2\*ap01

226 sequences assigned  
222 (98.2%) exact matches, in which:  
219 unique CDR3  
13 unique J



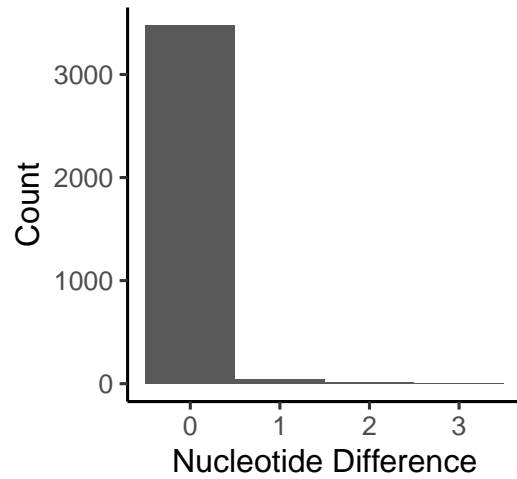
### TRBV23-1\*ap01

578 sequences assigned  
571 (98.8%) exact matches, in which:  
564 unique CDR3  
13 unique J



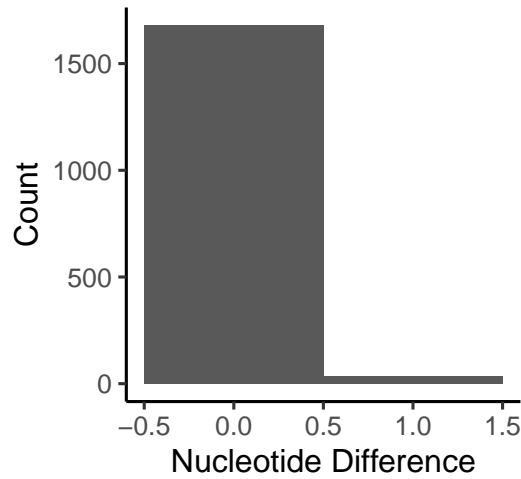
### TRBV3-12\*ap01

3530 sequences assigned  
3476 (98.5%) exact matches, in which:  
3445 unique CDR3  
13 unique J



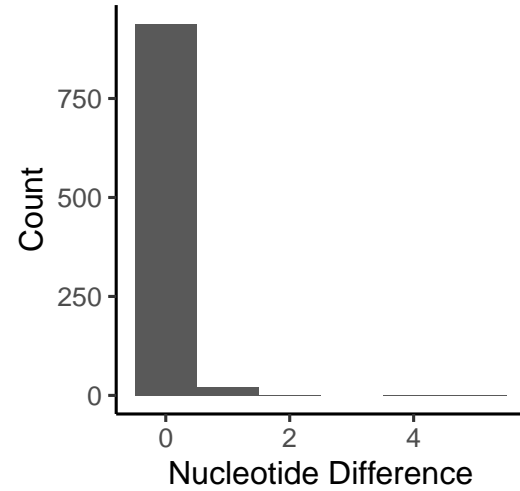
### TRBV4-2\*ap01

1716 sequences assigned  
1679 (97.8%) exact matches, in which:  
1657 unique CDR3  
13 unique J



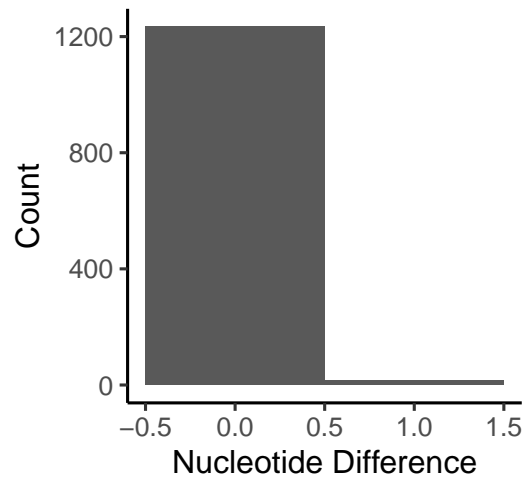
### TRBV25-1\*ap01

964 sequences assigned  
939 (97.4%) exact matches, in which:  
923 unique CDR3  
13 unique J



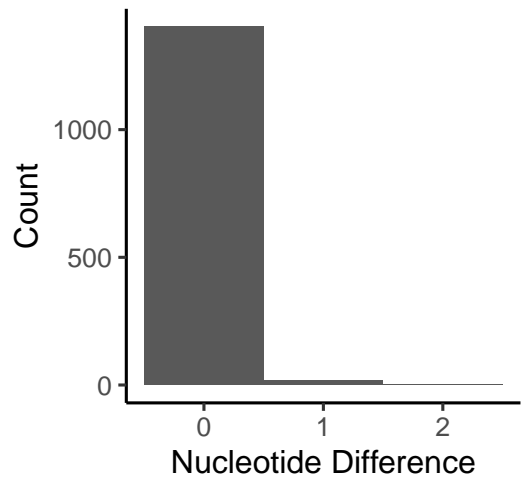
### TRBV4-1\*ap01

1250 sequences assigned  
1234 (98.7%) exact matches, in which:  
1219 unique CDR3  
13 unique J



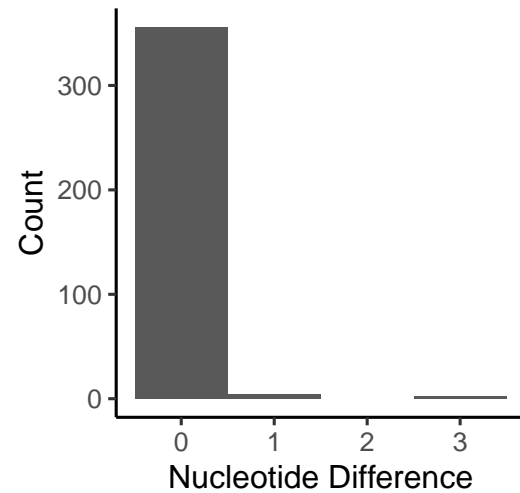
### TRBV4-3\*ap01

1420 sequences assigned  
1403 (98.8%) exact matches, in which:  
1392 unique CDR3  
13 unique J



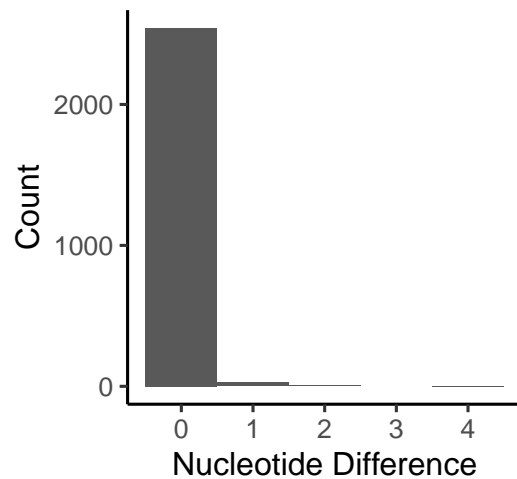
### TRBV5-3\*ap01

362 sequences assigned  
356 (98.3%) exact matches, in which:  
355 unique CDR3  
13 unique J



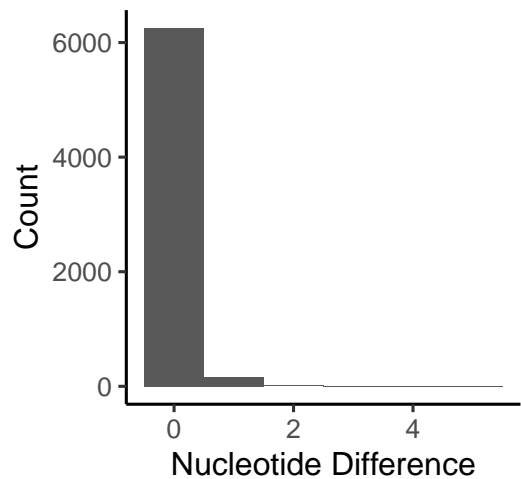
### TRBV24-1\*ap01

2576 sequences assigned  
2542 (98.7%) exact matches, in which:  
2498 unique CDR3  
13 unique J



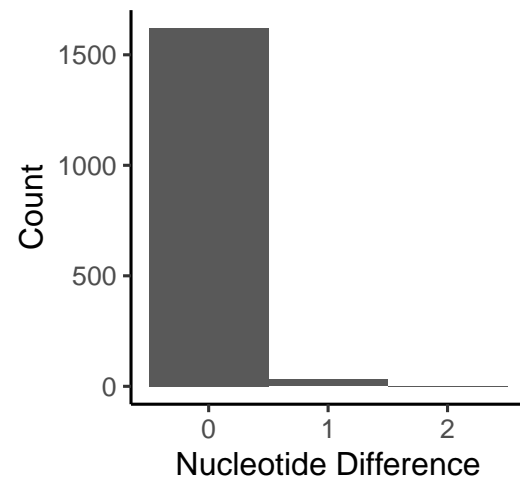
### TRBV5-1\*ap01

6443 sequences assigned  
6253 (97.1%) exact matches, in which:  
6157 unique CDR3  
13 unique J



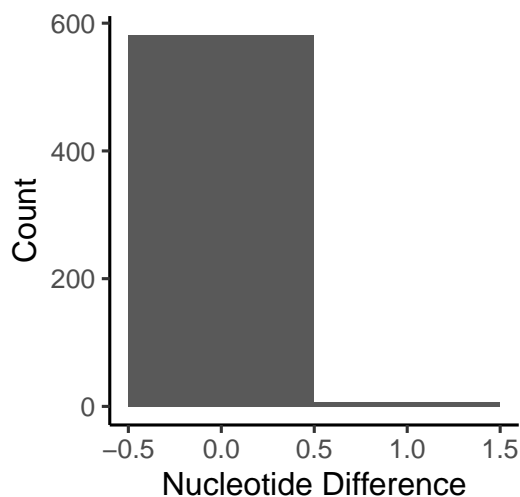
### TRBV5-4\*ap01

1653 sequences assigned  
1621 (98.1%) exact matches, in which:  
1605 unique CDR3  
13 unique J



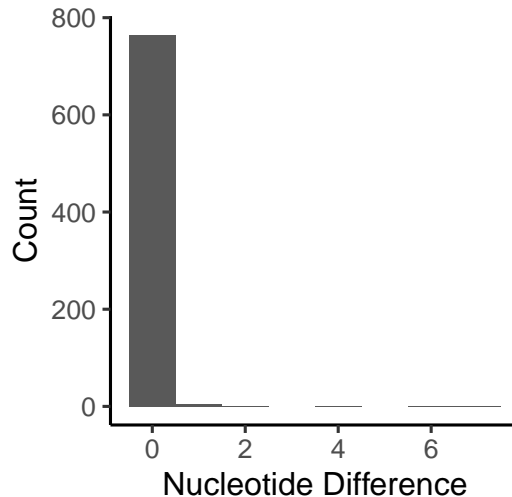
### TRBV5-5\*ap01

589 sequences assigned  
582 (98.8%) exact matches, in which:  
579 unique CDR3  
13 unique J



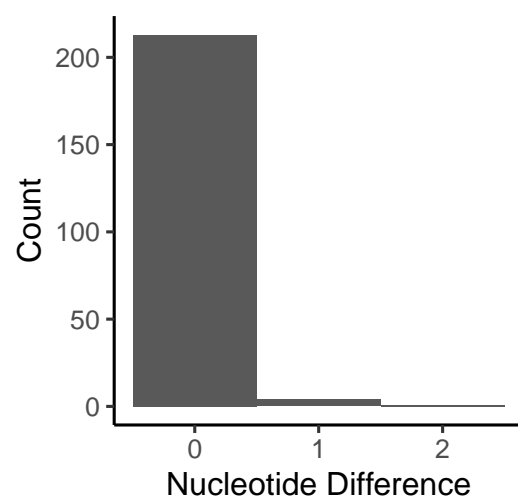
### TRBV5-8\*ap01

774 sequences assigned  
765 (98.8%) exact matches, in which:  
762 unique CDR3  
13 unique J



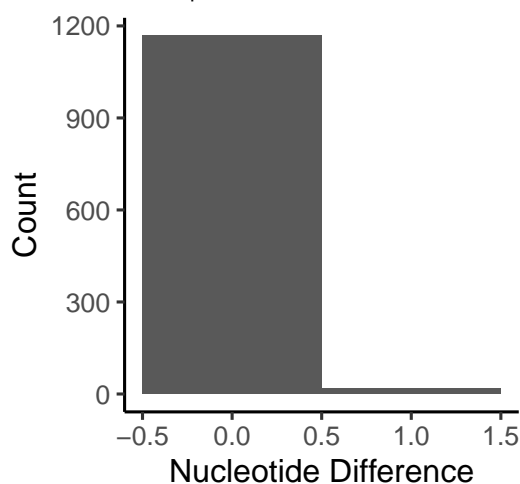
### TRBV6-7\*ap01

218 sequences assigned  
213 (97.7%) exact matches, in which:  
208 unique CDR3  
13 unique J



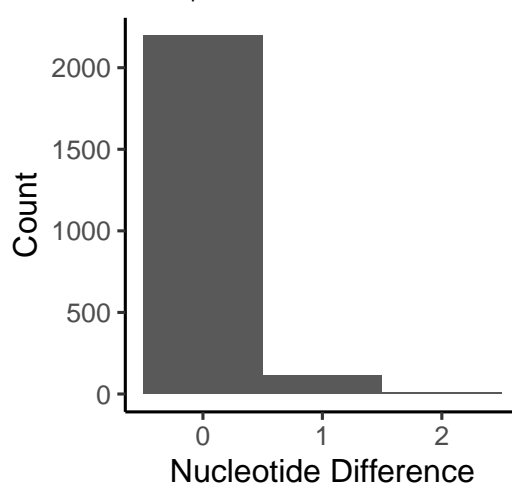
### TRBV5-6\*ap01

1186 sequences assigned  
1168 (98.5%) exact matches, in which:  
1143 unique CDR3  
13 unique J



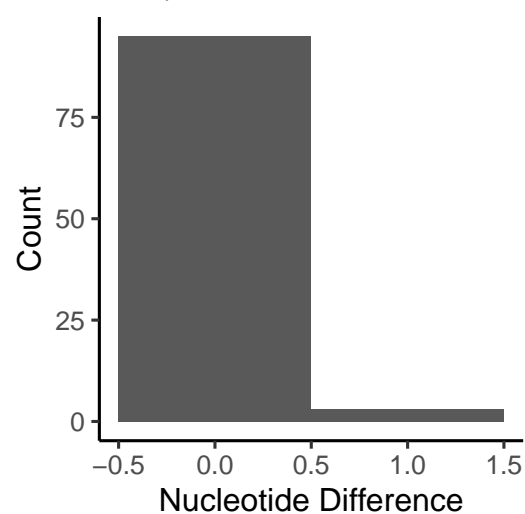
### TRBV6-1\*ap01

2317 sequences assigned  
2196 (94.8%) exact matches, in which:  
2153 unique CDR3  
13 unique J



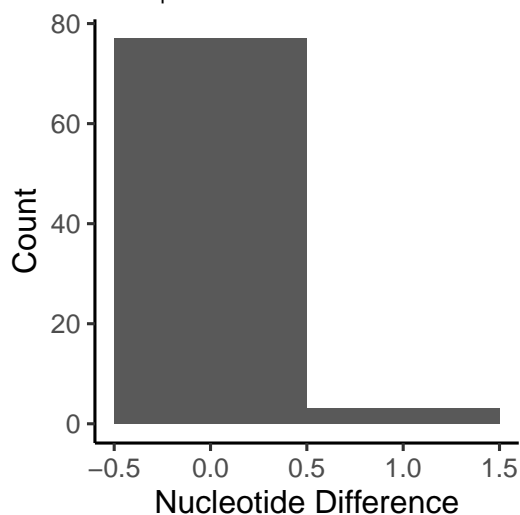
### TRBV6-8\*ap01

98 sequences assigned  
95 (96.9%) exact matches, in which:  
93 unique CDR3  
12 unique J



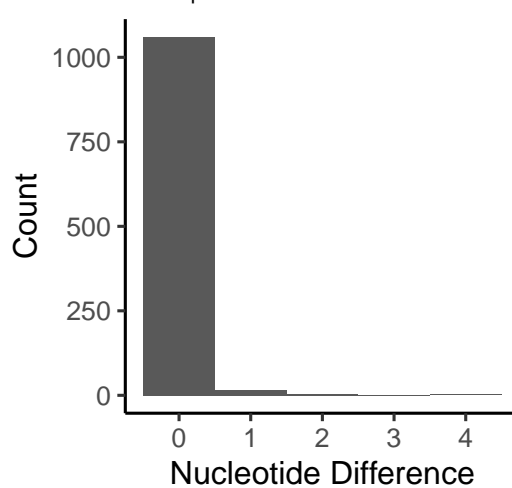
### TRBV5-7\*ap01

80 sequences assigned  
77 (96.2%) exact matches, in which:  
76 unique CDR3  
12 unique J



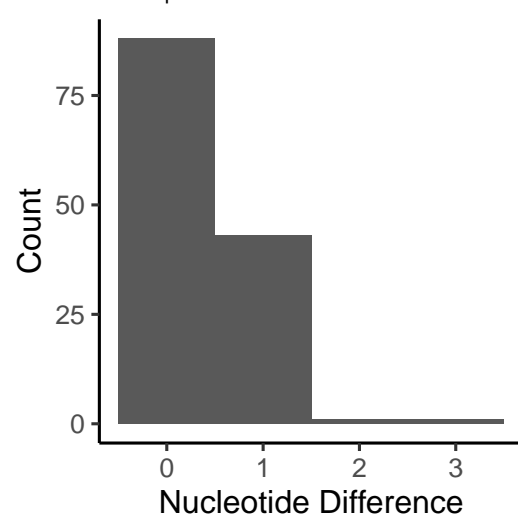
### TRBV6-4\*ap01

1083 sequences assigned  
1060 (97.9%) exact matches, in which:  
1049 unique CDR3  
13 unique J



### TRBV6-9\*ap01

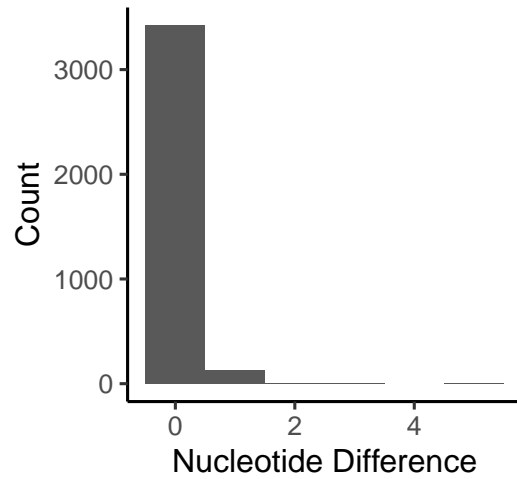
133 sequences assigned  
88 (66.2%) exact matches, in which:  
86 unique CDR3  
12 unique J





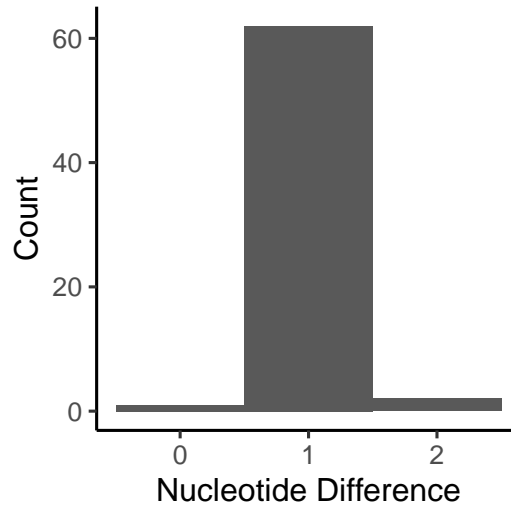
### TRBV6-23\*ap01

3567 sequences assigned  
3422 (95.9%) exact matches, in which:  
3339 unique CDR3  
13 unique J



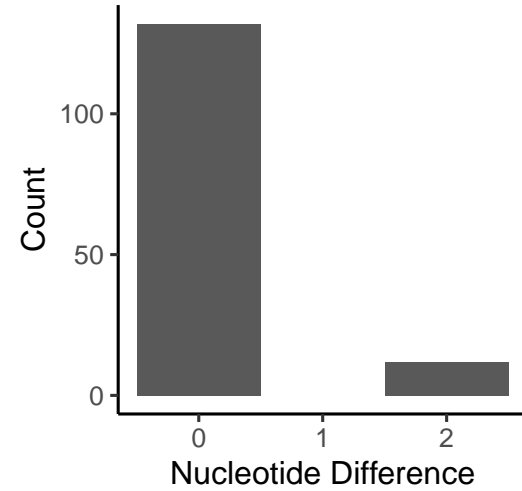
### TRBV7-1\*ap01\_T296C

65 sequences assigned  
1 (1.5%) exact matches, in which:  
1 unique CDR3  
1 unique J



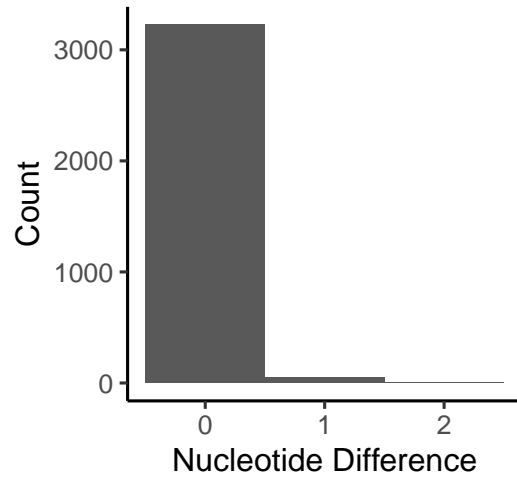
### TRBV7-4\*ap01

144 sequences assigned  
132 (91.7%) exact matches, in which:  
131 unique CDR3  
13 unique J



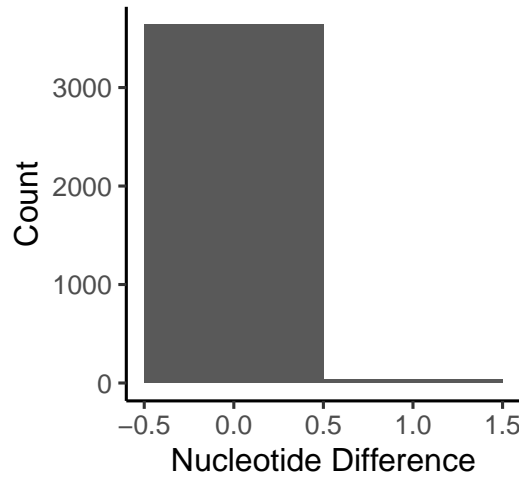
### TRBV6-56\*ap01

3282 sequences assigned  
3226 (98.3%) exact matches, in which:  
3155 unique CDR3  
13 unique J



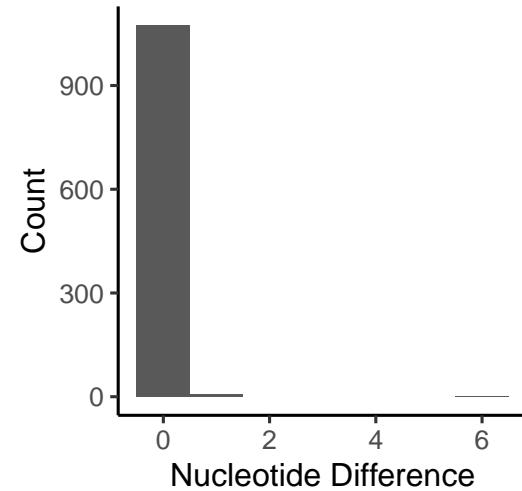
### TRBV7-2\*ap01

3670 sequences assigned  
3638 (99.1%) exact matches, in which:  
3599 unique CDR3  
13 unique J



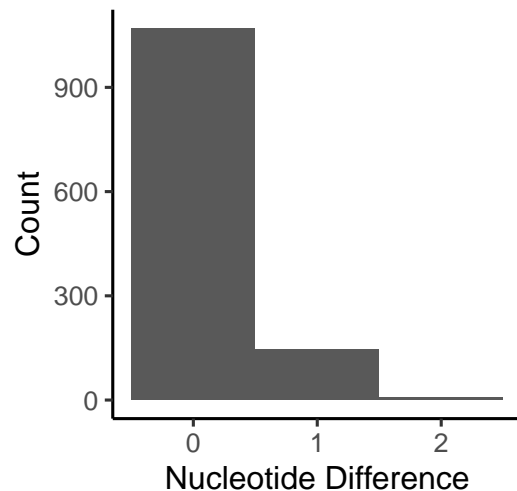
### TRBV7-6\*ap01

1082 sequences assigned  
1075 (99.4%) exact matches, in which:  
1067 unique CDR3  
13 unique J



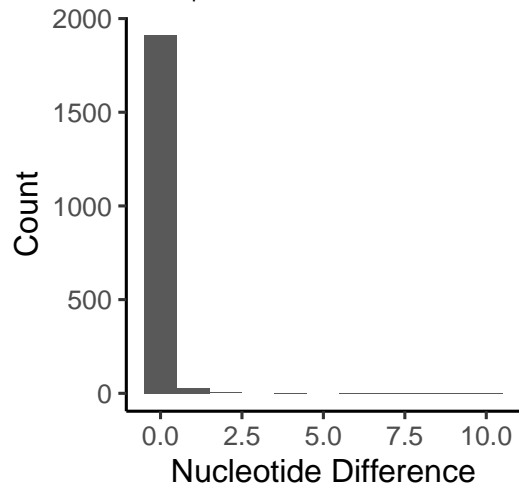
### TRBV6-56\*ap02

1224 sequences assigned  
1070 (87.4%) exact matches, in which:  
1047 unique CDR3  
13 unique J



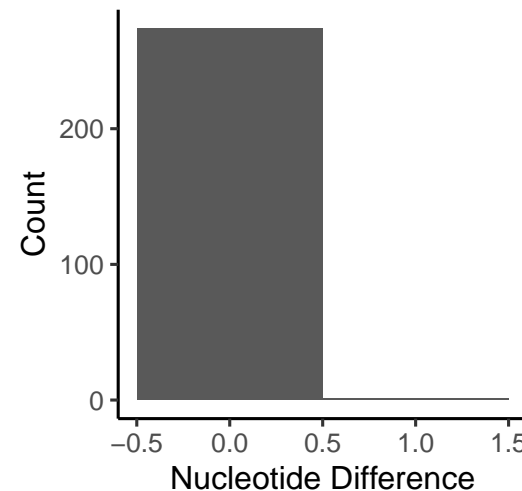
### TRBV7-3\*ap01

1954 sequences assigned  
1912 (97.9%) exact matches, in which:  
1897 unique CDR3  
13 unique J



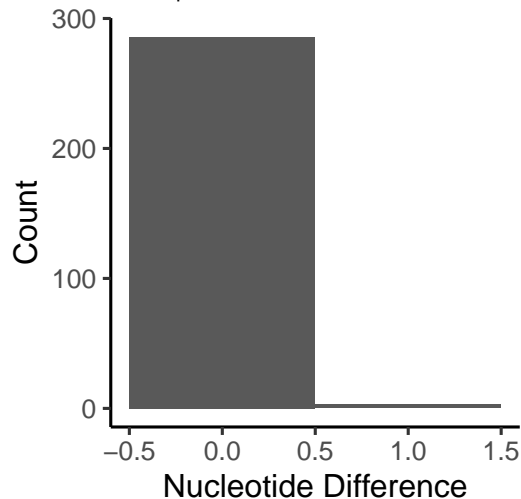
### TRBV7-7\*ap01

275 sequences assigned  
274 (99.6%) exact matches, in which:  
270 unique CDR3  
13 unique J



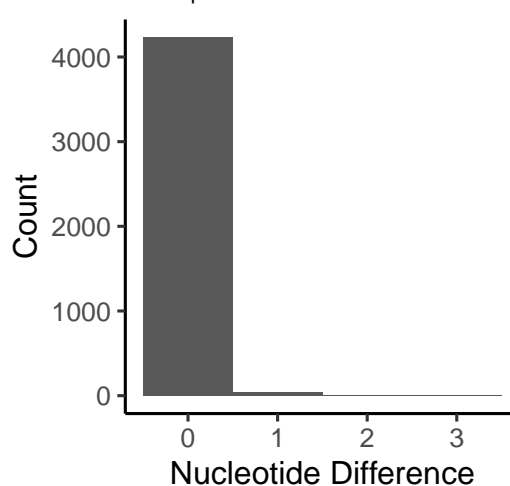
### TRBV7-7\*ap01\_C315T

289 sequences assigned  
286 (99%) exact matches, in which:  
281 unique CDR3  
12 unique J



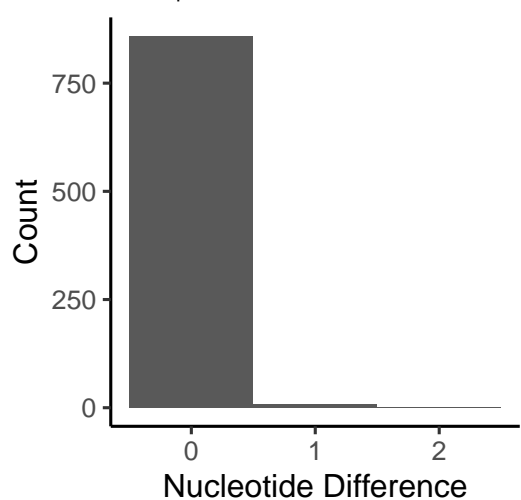
### TRBV7-9\*ap01

4277 sequences assigned  
4231 (98.9%) exact matches, in which:  
4184 unique CDR3  
13 unique J



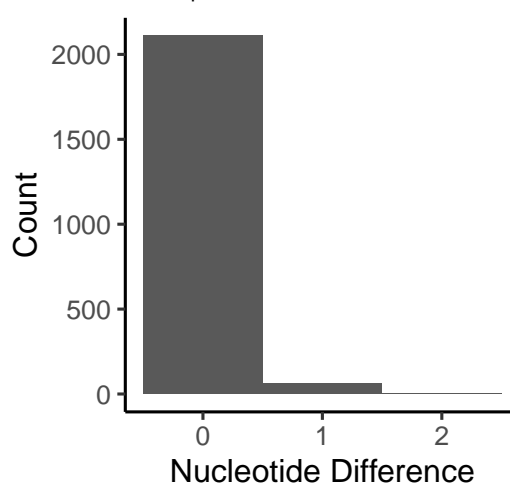
### TRBV7-8\*ap01

868 sequences assigned  
859 (99%) exact matches, in which:  
845 unique CDR3  
13 unique J



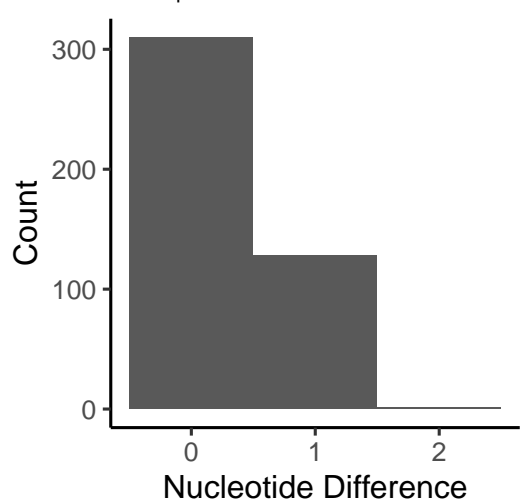
### TRBV29-1\*ap01

2175 sequences assigned  
2110 (97%) exact matches, in which:  
2044 unique CDR3  
13 unique J



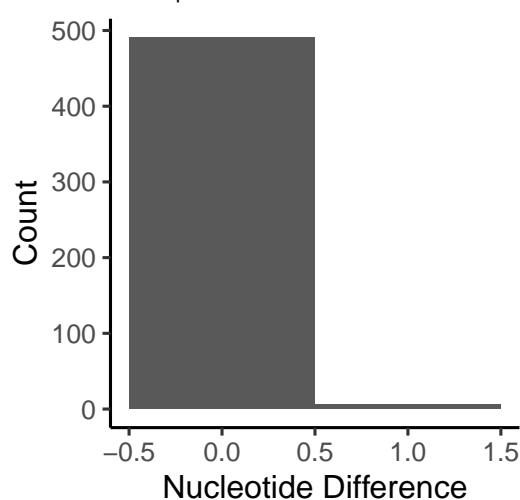
### TRBV7-8\*ap03

439 sequences assigned  
310 (70.6%) exact matches, in which:  
308 unique CDR3  
13 unique J

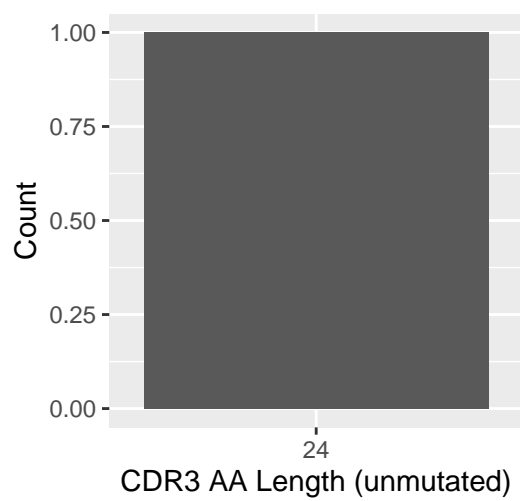


### TRBV29-1\*ap02

497 sequences assigned  
491 (98.8%) exact matches, in which:  
474 unique CDR3  
12 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

