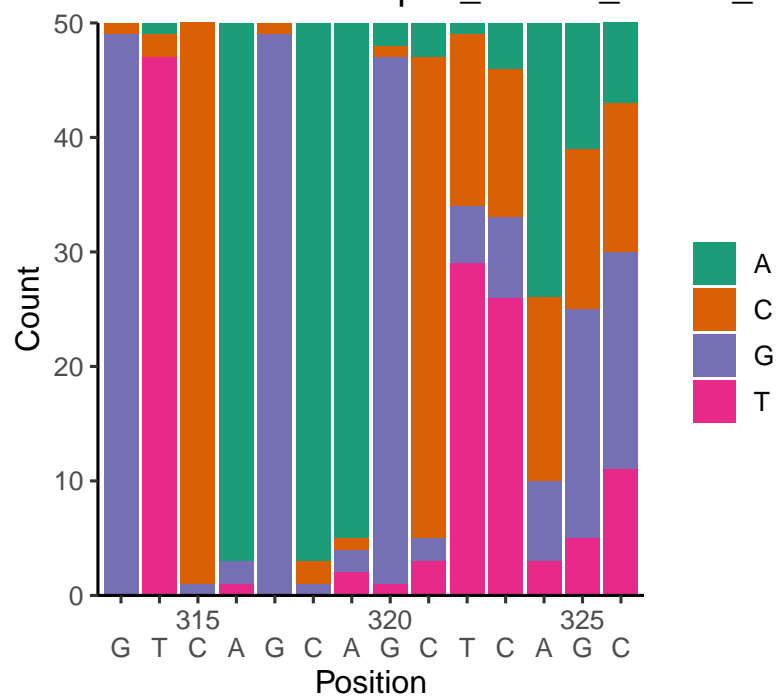
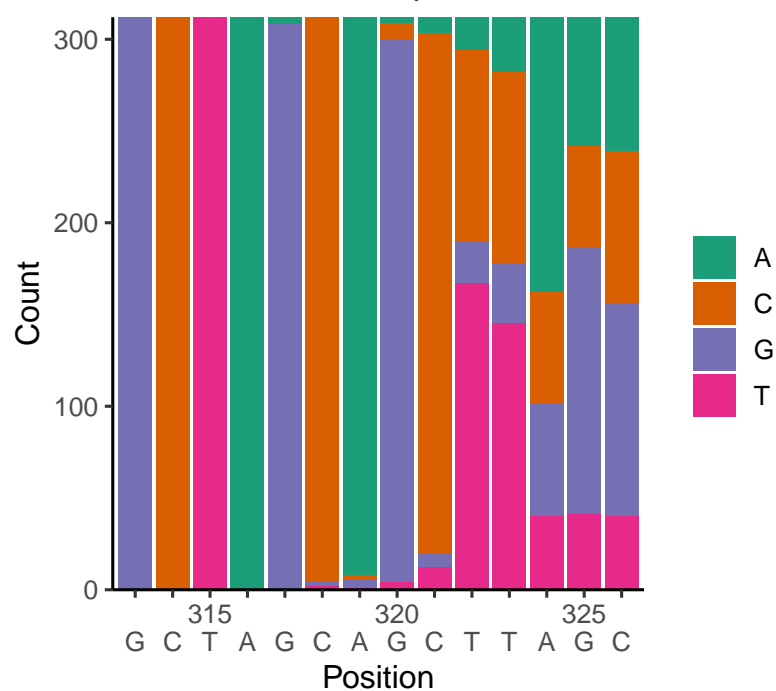


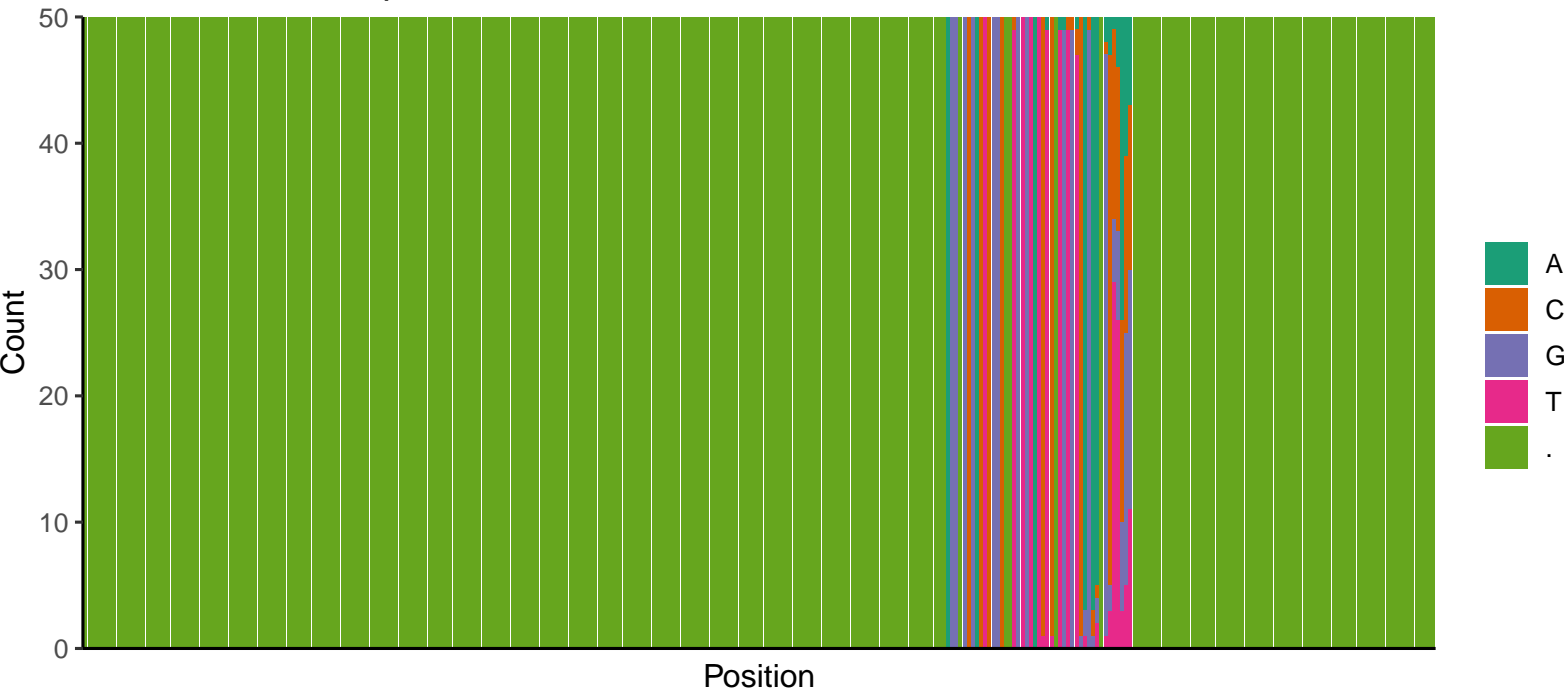
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



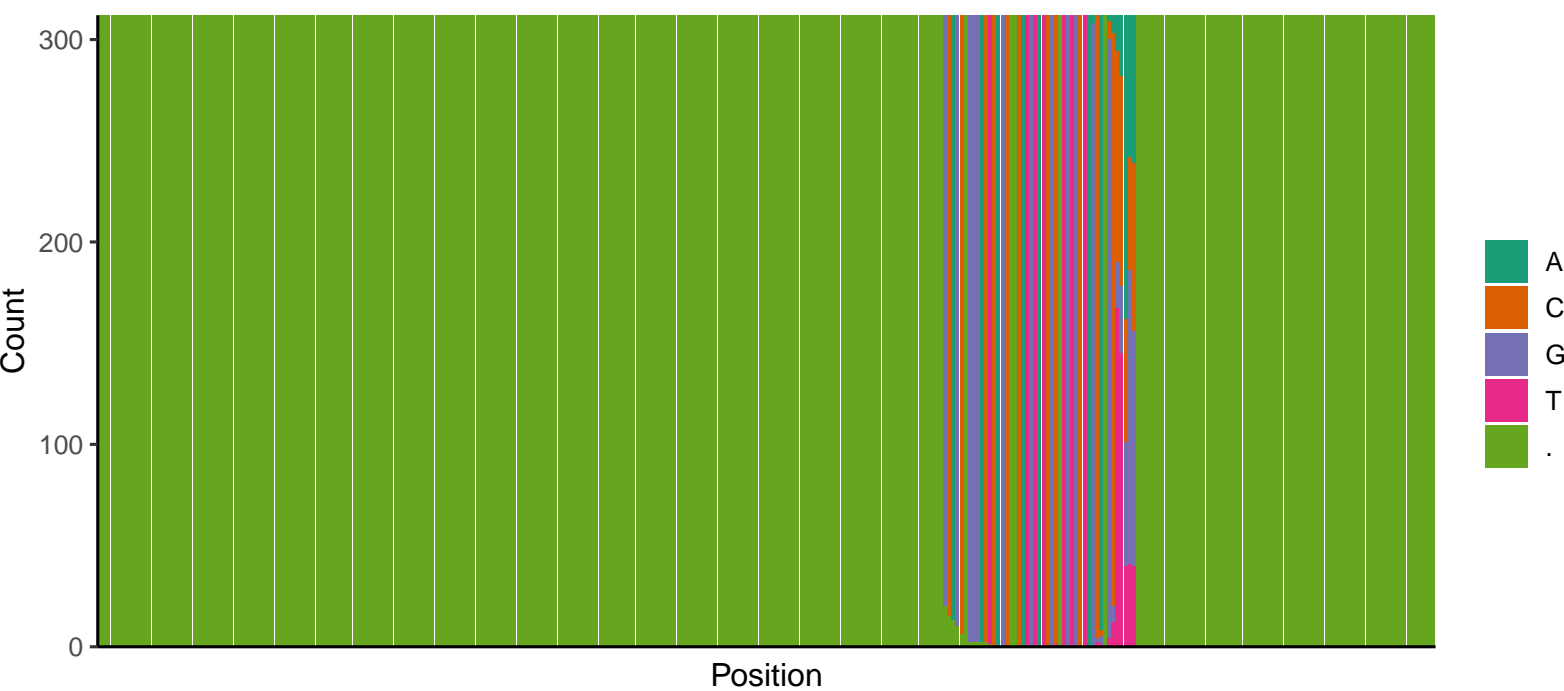
Gene TRBV7-7\*ap01\_C315T



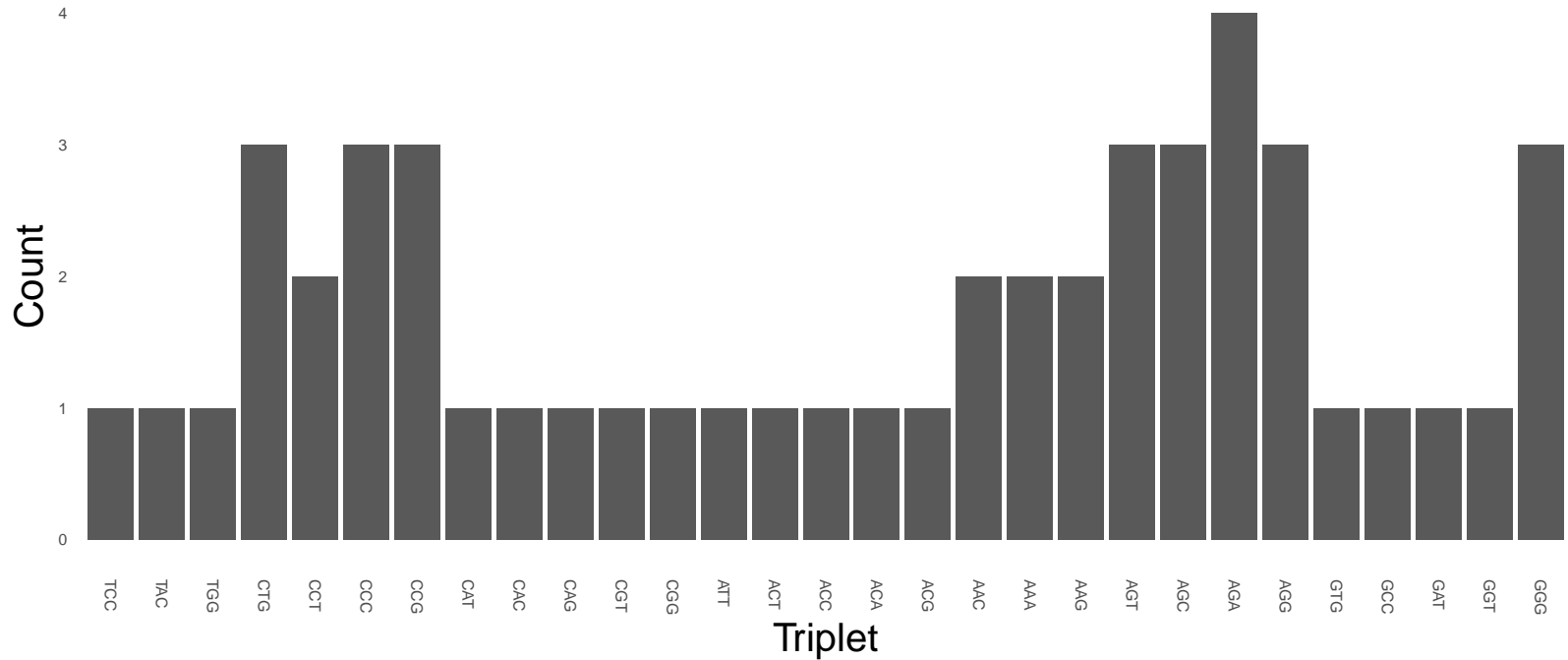
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



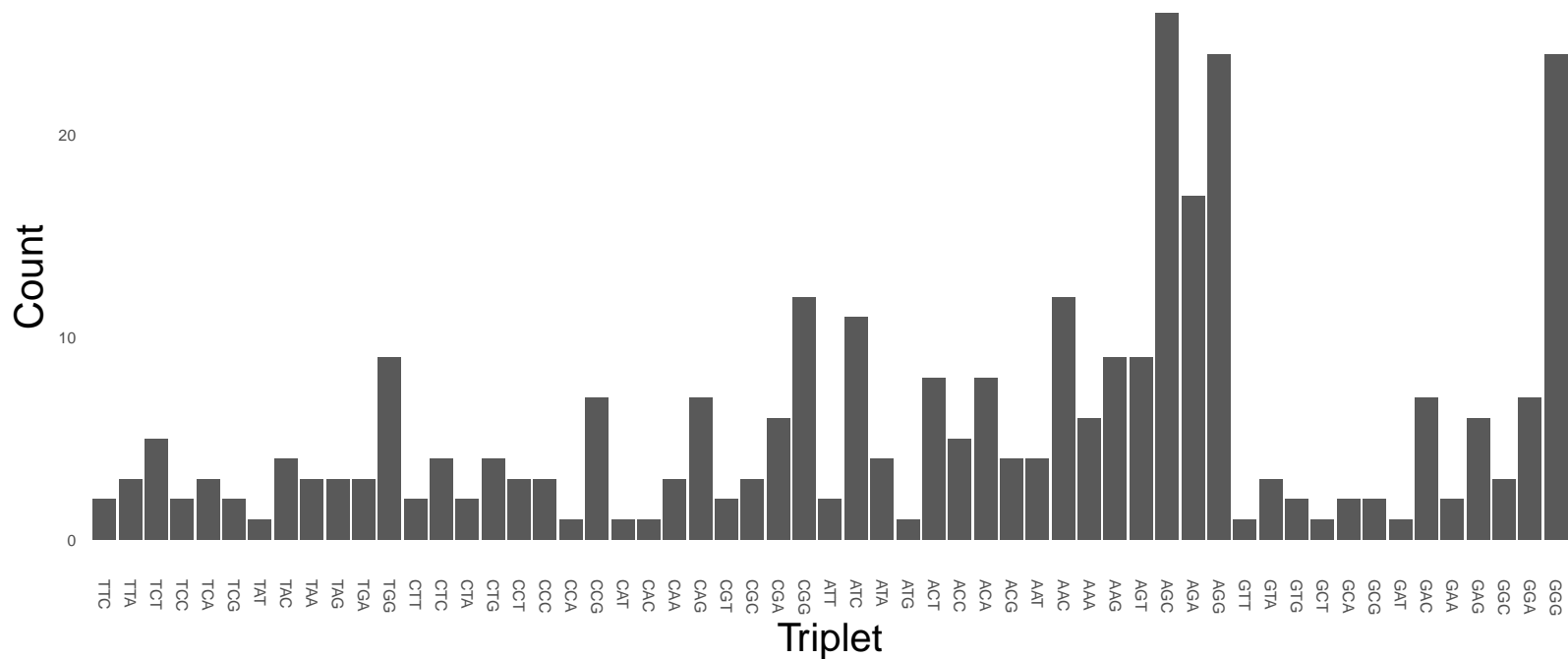
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet

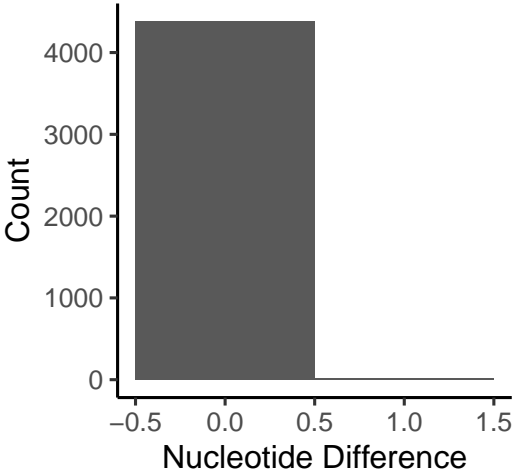


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



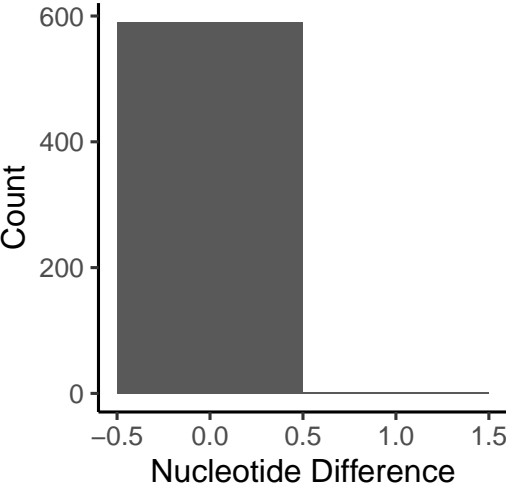
TRBV20-1\*ap01

4394 sequences assigned  
4381 (99.7%) exact matches, in which:  
4372 unique CDR3  
13 unique J



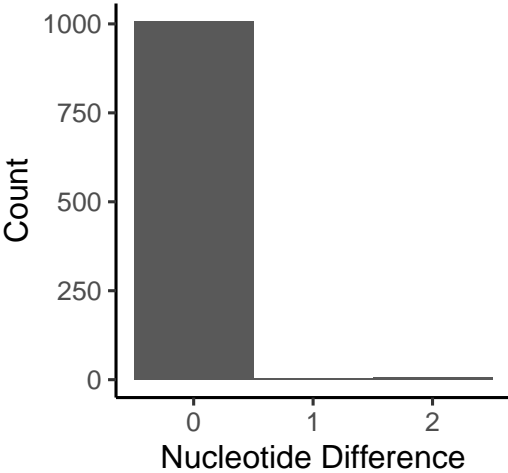
TRBV10-2\*ap01

593 sequences assigned  
591 (99.7%) exact matches, in which:  
591 unique CDR3  
13 unique J



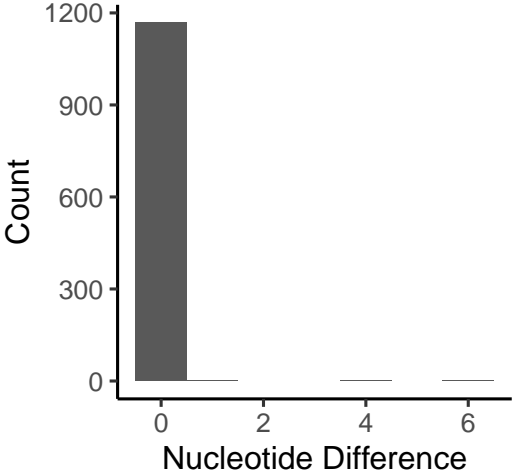
TRBV13\*ap01

1019 sequences assigned  
1007 (98.8%) exact matches, in which:  
1007 unique CDR3  
13 unique J



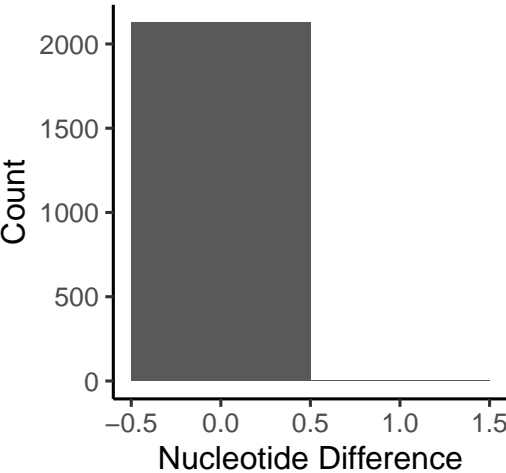
TRBV10-1\*ap01

1171 sequences assigned  
1168 (99.7%) exact matches, in which:  
1166 unique CDR3  
13 unique J



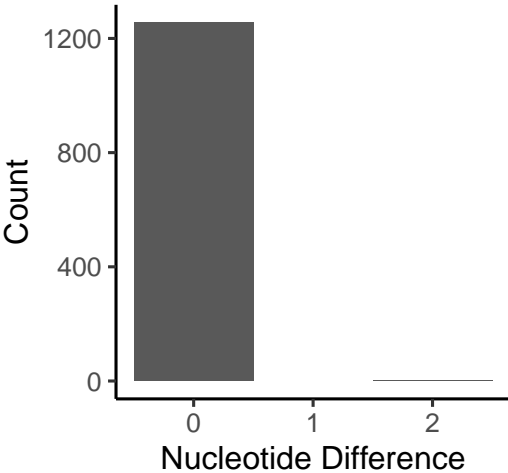
TRBV10-3\*ap01

2131 sequences assigned  
2126 (99.8%) exact matches, in which:  
2125 unique CDR3  
13 unique J



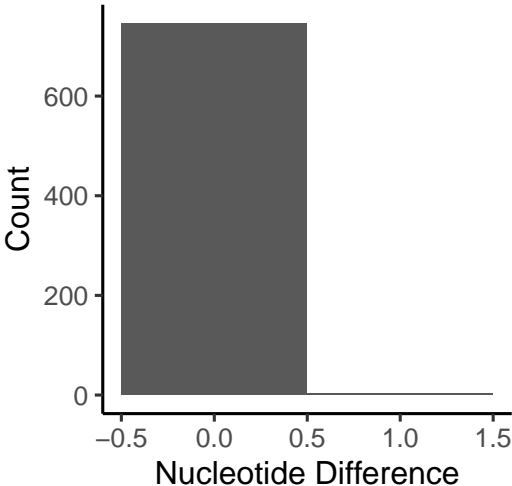
TRBV14\*ap01

1256 sequences assigned  
1255 (99.9%) exact matches, in which:  
1255 unique CDR3  
13 unique J



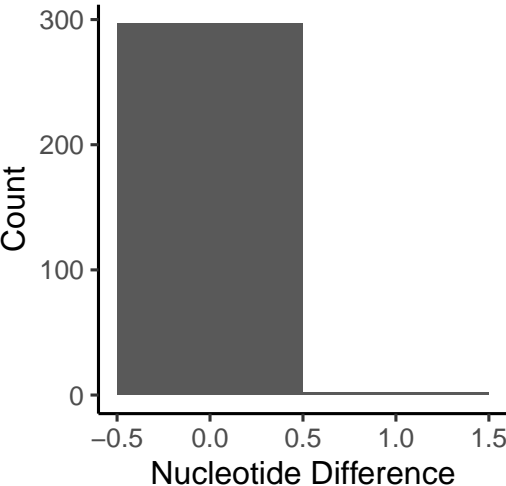
TRBV20-1\*ap02

749 sequences assigned  
746 (99.6%) exact matches, in which:  
746 unique CDR3  
13 unique J



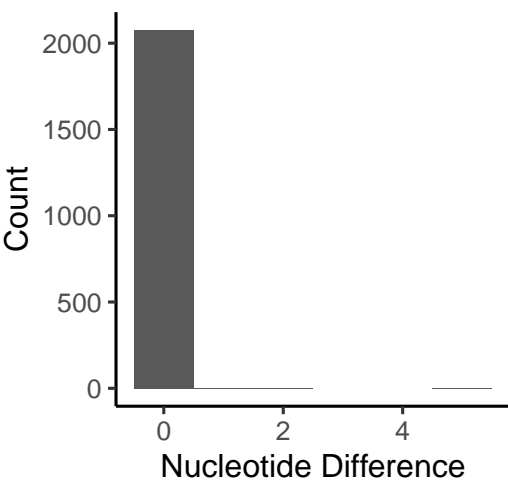
TRBV1\*ap01

299 sequences assigned  
297 (99.3%) exact matches, in which:  
296 unique CDR3  
13 unique J



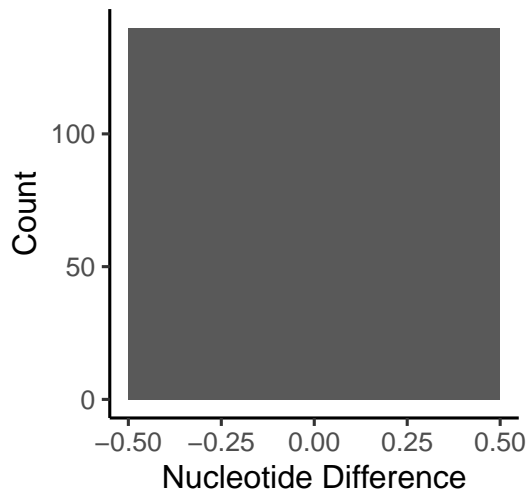
TRBV15\*ap02

2080 sequences assigned  
2076 (99.8%) exact matches, in which:  
2070 unique CDR3  
13 unique J



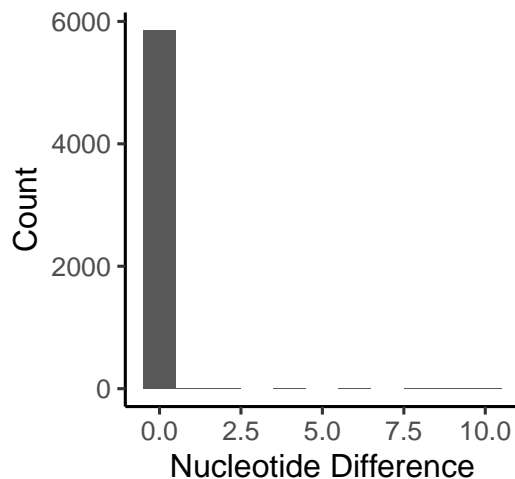
### TRBV16\*ap01

140 sequences assigned  
140 (100%) exact matches, in which:  
140 unique CDR3  
13 unique J



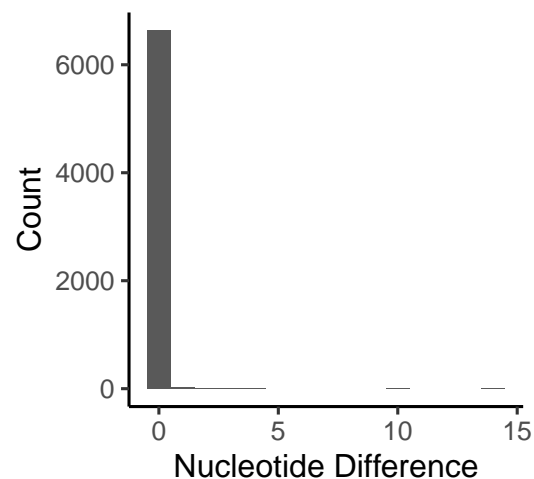
### TRBV19\*ap01

5876 sequences assigned  
5853 (99.6%) exact matches, in which:  
5853 unique CDR3  
13 unique J



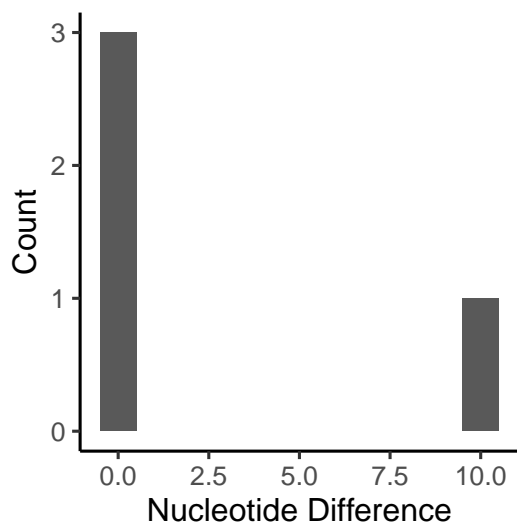
### TRBV27\*ap01

6671 sequences assigned  
6636 (99.5%) exact matches, in which:  
6613 unique CDR3  
13 unique J



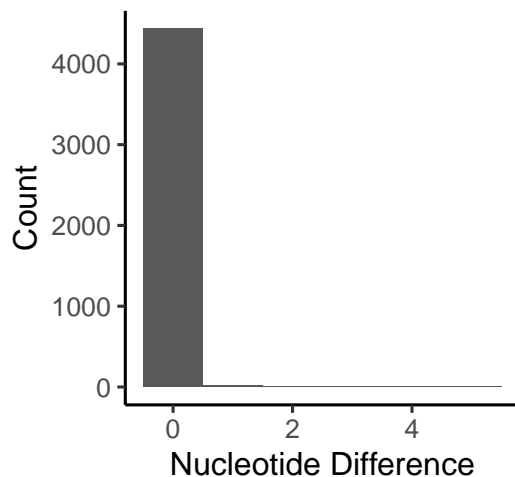
### TRBV17\*ap01

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
2 unique J



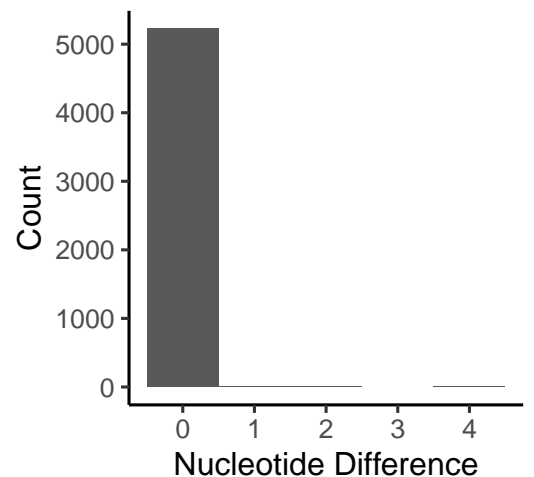
### TRBV2\*ap01

4456 sequences assigned  
4435 (99.5%) exact matches, in which:  
4424 unique CDR3  
13 unique J



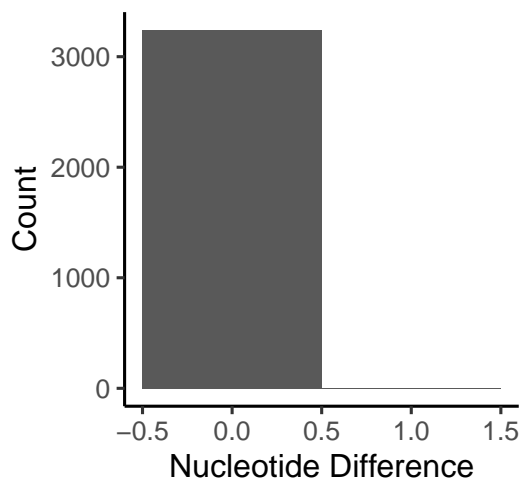
### TRBV28\*ap01

5235 sequences assigned  
5225 (99.8%) exact matches, in which:  
5224 unique CDR3  
13 unique J



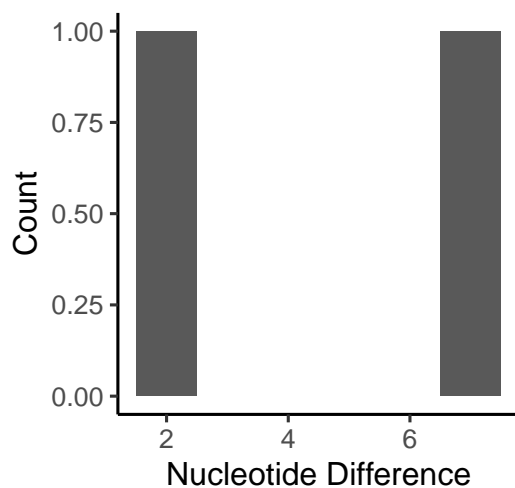
### TRBV18\*ap01

3245 sequences assigned  
3241 (99.9%) exact matches, in which:  
3238 unique CDR3  
13 unique J



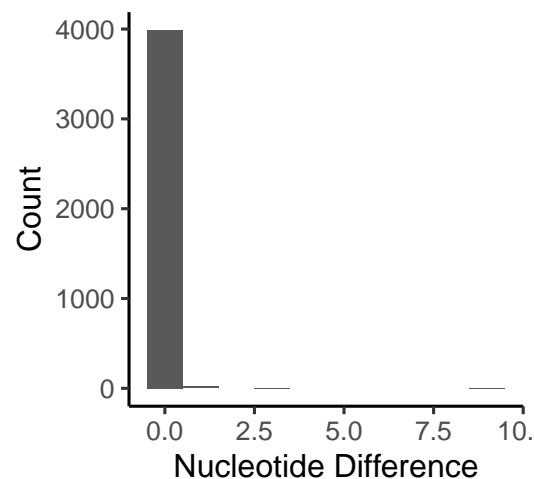
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



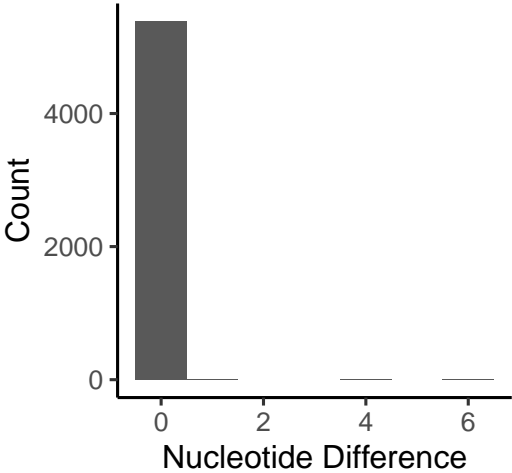
### TRBV30\*ap01

4015 sequences assigned  
3989 (99.4%) exact matches, in which:  
3977 unique CDR3  
13 unique J



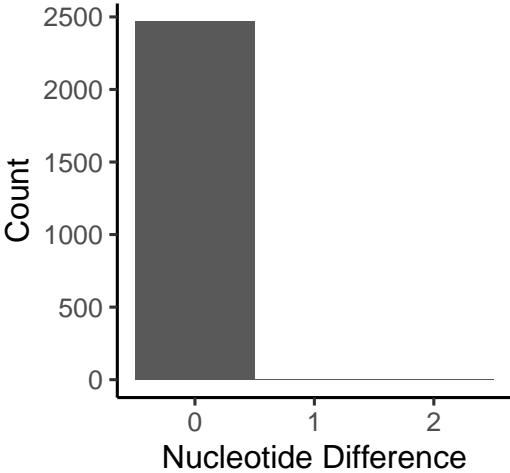
TRBV9\*ap01

5396 sequences assigned  
5384 (99.8%) exact matches, in which:  
5373 unique CDR3  
13 unique J



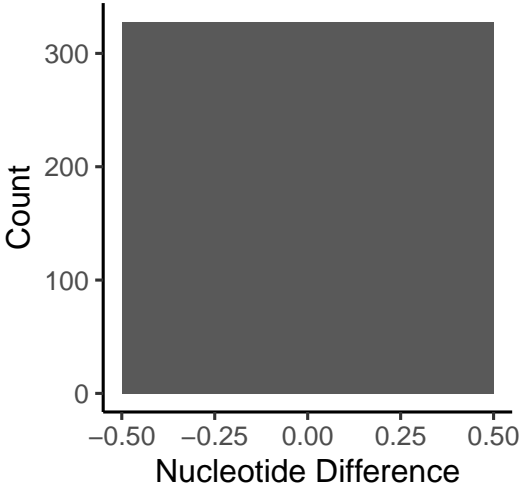
TRBV11-2\*ap01

2471 sequences assigned  
2469 (99.9%) exact matches, in which:  
2468 unique CDR3  
13 unique J



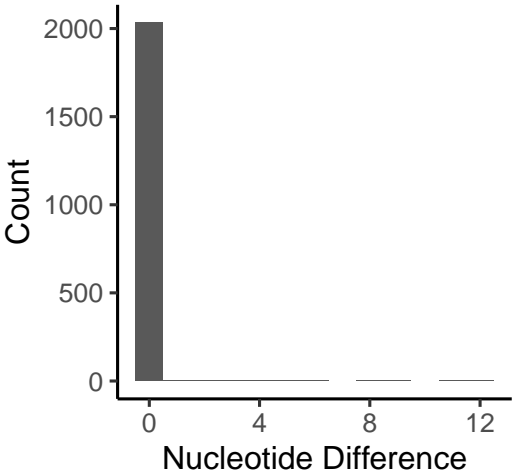
TRBV12-2\*ap01

328 sequences assigned  
328 (100%) exact matches, in which:  
328 unique CDR3  
13 unique J



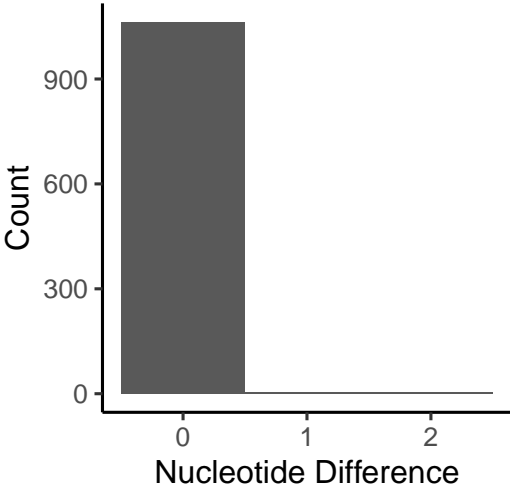
TRBV21-1\*ap01

2051 sequences assigned  
2033 (99.1%) exact matches, in which:  
2033 unique CDR3  
13 unique J



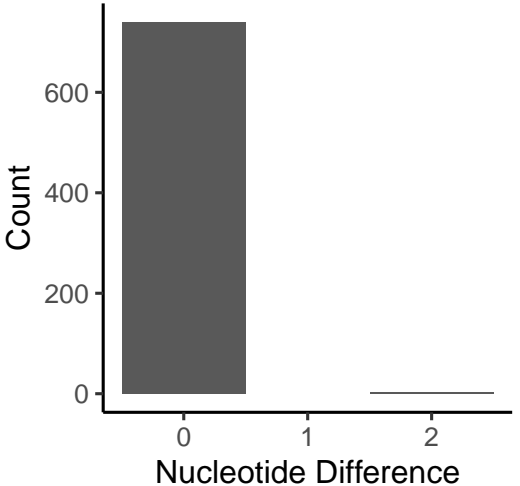
TRBV11-3\*ap01

1069 sequences assigned  
1063 (99.4%) exact matches, in which:  
1063 unique CDR3  
13 unique J



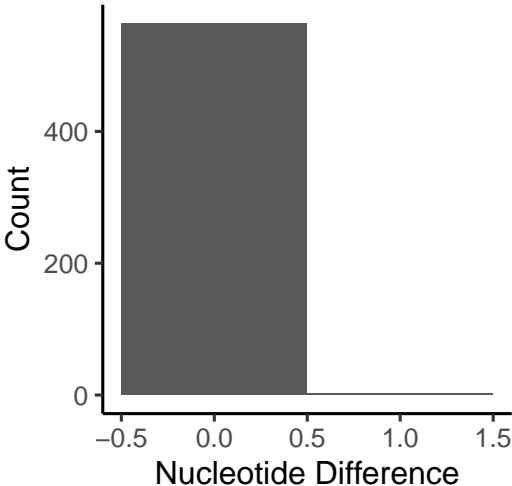
TRBV12-5\*ap01

742 sequences assigned  
740 (99.7%) exact matches, in which:  
739 unique CDR3  
13 unique J



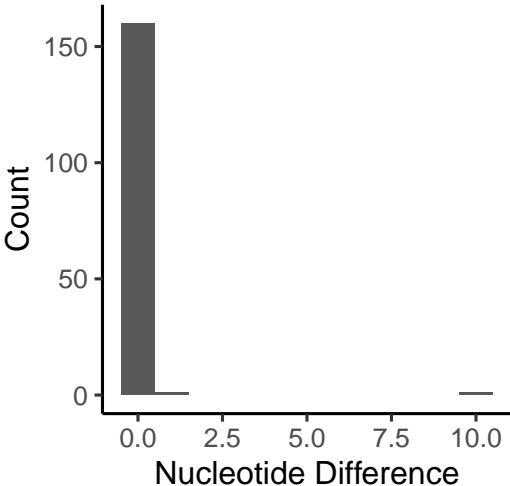
TRBV11-1\*ap01

566 sequences assigned  
564 (99.6%) exact matches, in which:  
563 unique CDR3  
13 unique J



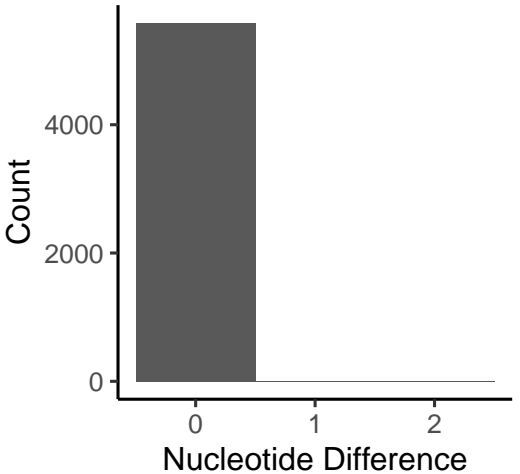
TRBV12-1\*ap01

162 sequences assigned  
160 (98.8%) exact matches, in which:  
160 unique CDR3  
13 unique J



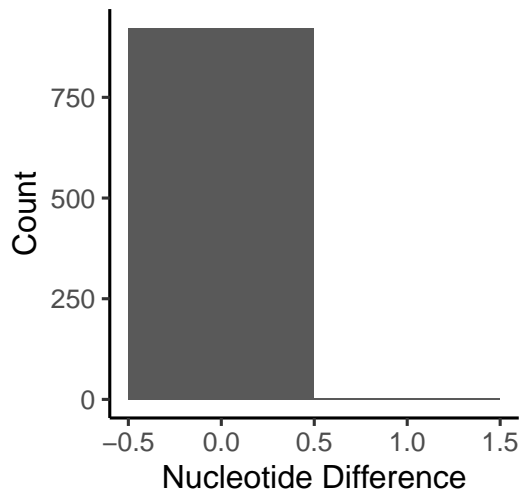
TRBV12-34\*ap01

5593 sequences assigned  
5585 (99.9%) exact matches, in which:  
5581 unique CDR3  
13 unique J



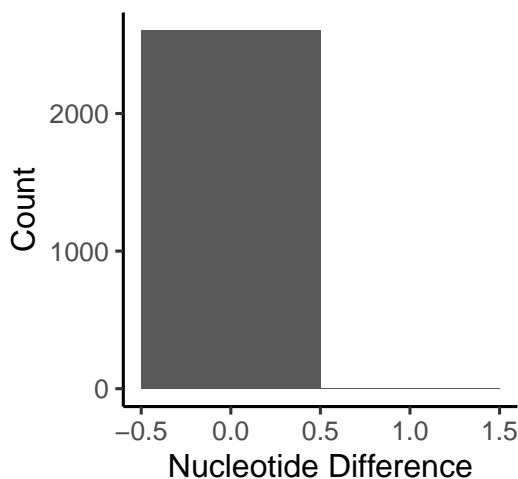
### TRBV23-1\*ap01

926 sequences assigned  
923 (99.7%) exact matches, in which:  
923 unique CDR3  
13 unique J



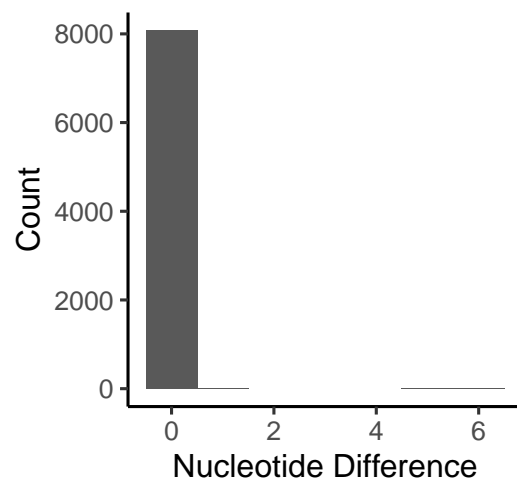
### TRBV4-1\*ap01

2608 sequences assigned  
2604 (99.8%) exact matches, in which:  
2597 unique CDR3  
13 unique J



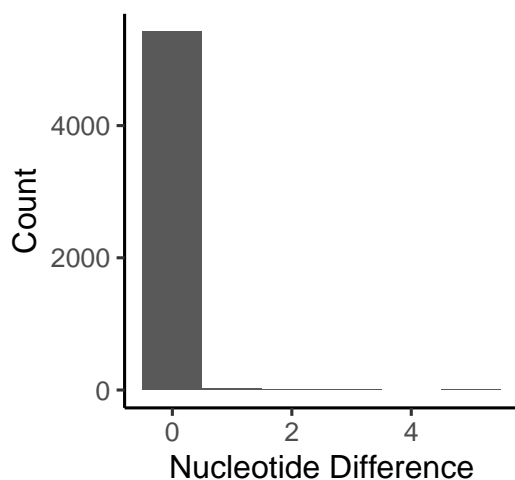
### TRBV5-1\*ap01

8098 sequences assigned  
8078 (99.8%) exact matches, in which:  
8047 unique CDR3  
13 unique J



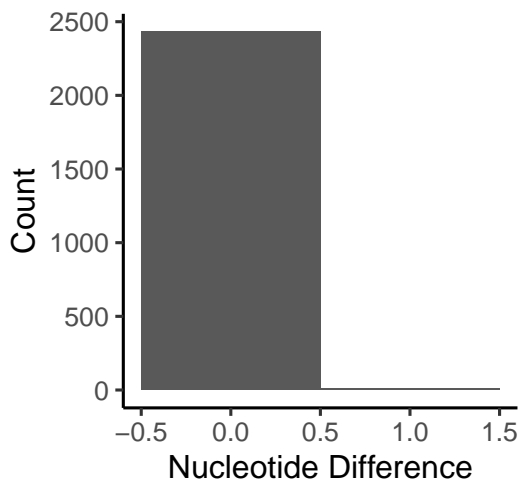
### TRBV3-12\*ap01

5445 sequences assigned  
5420 (99.5%) exact matches, in which:  
5409 unique CDR3  
13 unique J



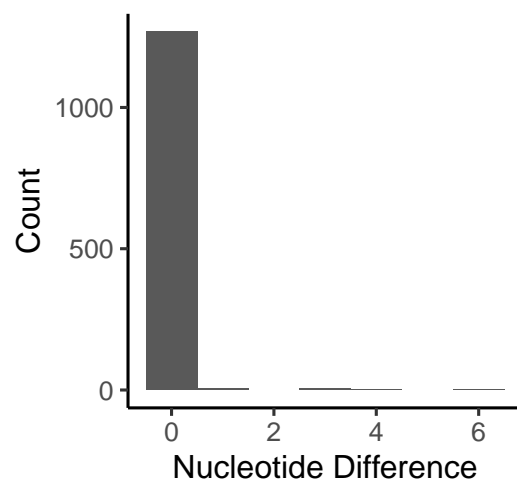
### TRBV4-2\*ap01

2442 sequences assigned  
2432 (99.6%) exact matches, in which:  
2427 unique CDR3  
13 unique J



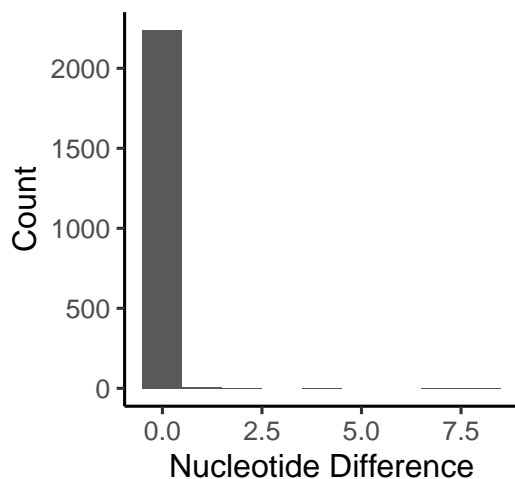
### TRBV25-1\*ap01

1280 sequences assigned  
1268 (99.1%) exact matches, in which:  
1264 unique CDR3  
13 unique J



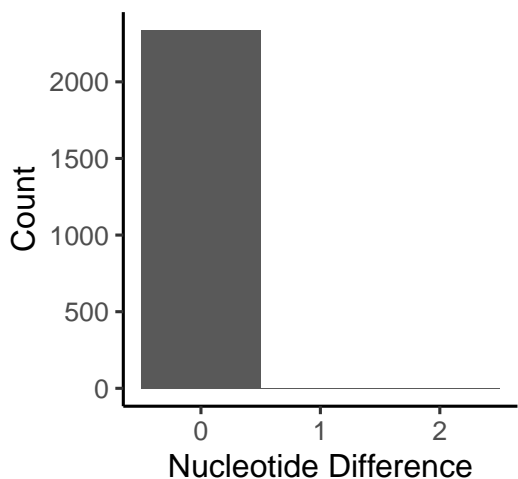
### TRBV24-1\*ap01

2251 sequences assigned  
2239 (99.5%) exact matches, in which:  
2236 unique CDR3  
13 unique J



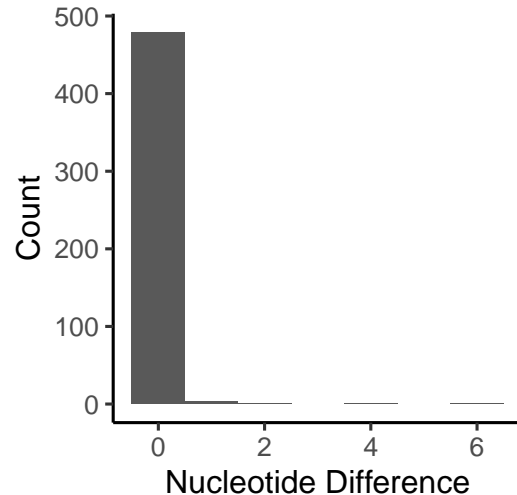
### TRBV4-3\*ap01

2343 sequences assigned  
2338 (99.8%) exact matches, in which:  
2331 unique CDR3  
13 unique J



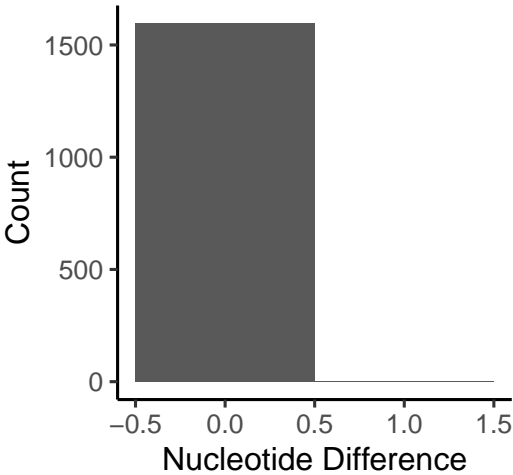
### TRBV5-3\*ap01

485 sequences assigned  
479 (98.8%) exact matches, in which:  
479 unique CDR3  
13 unique J



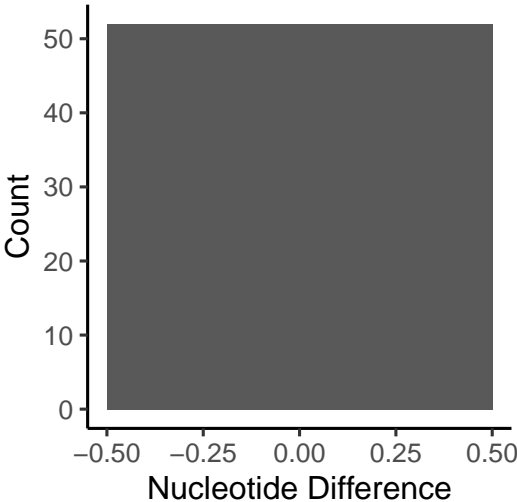
TRBV5-4\*ap01

1598 sequences assigned  
1596 (99.9%) exact matches, in which:  
1595 unique CDR3  
13 unique J



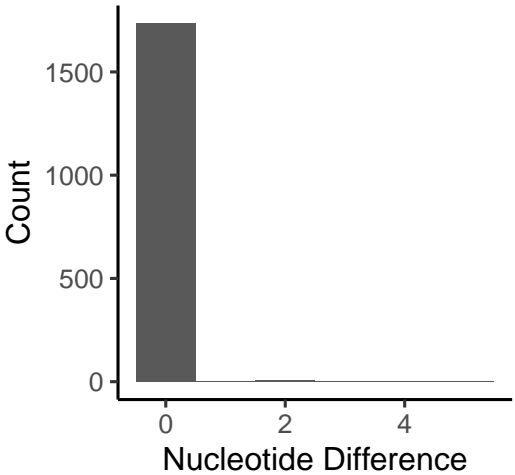
TRBV5-7\*ap01

52 sequences assigned  
52 (100%) exact matches, in which:  
52 unique CDR3  
10 unique J



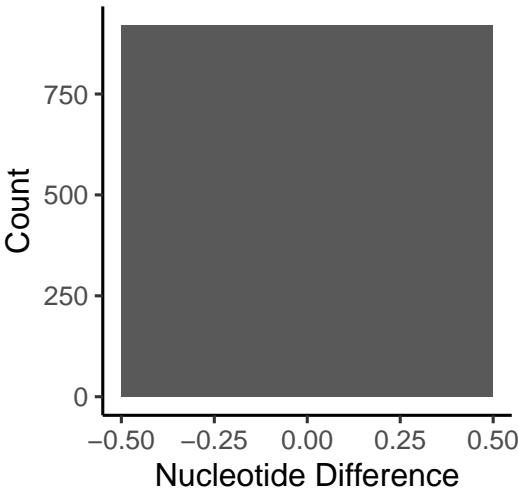
TRBV6-4\*ap01

1748 sequences assigned  
1735 (99.3%) exact matches, in which:  
1734 unique CDR3  
13 unique J



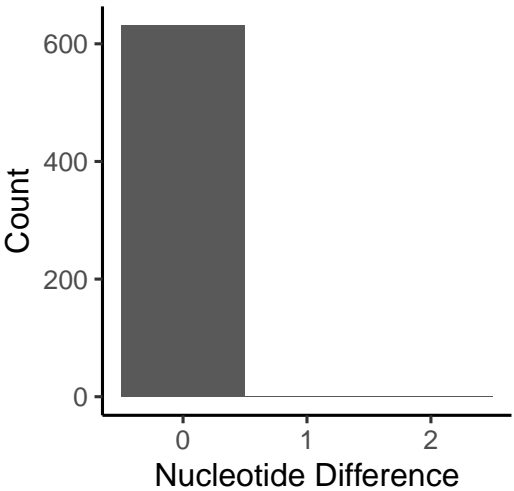
TRBV5-5\*ap01

921 sequences assigned  
921 (100%) exact matches, in which:  
921 unique CDR3  
13 unique J



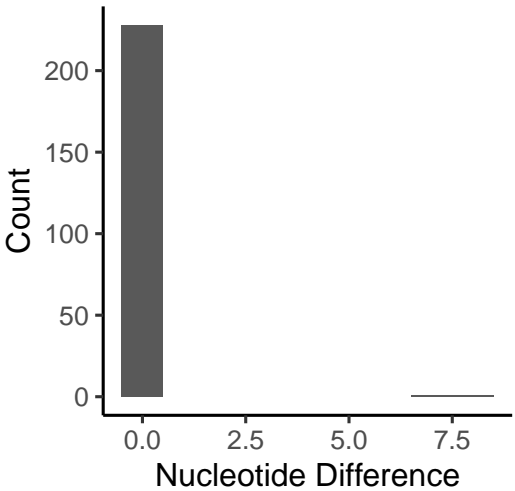
TRBV5-8\*ap01

634 sequences assigned  
632 (99.7%) exact matches, in which:  
631 unique CDR3  
13 unique J



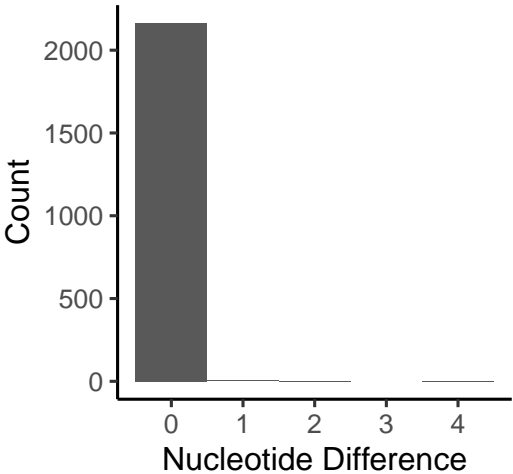
TRBV6-7\*ap01

230 sequences assigned  
228 (99.1%) exact matches, in which:  
228 unique CDR3  
13 unique J



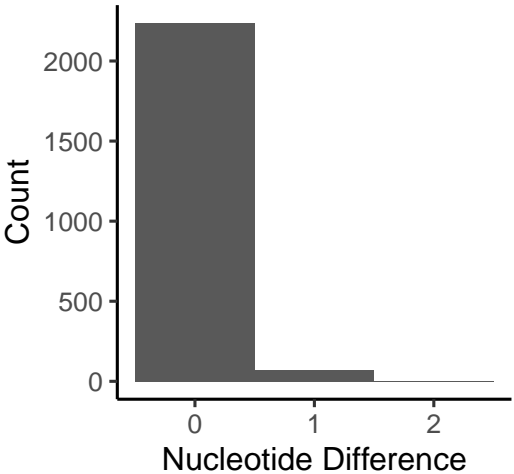
TRBV5-6\*ap01

2170 sequences assigned  
2164 (99.7%) exact matches, in which:  
2158 unique CDR3  
13 unique J



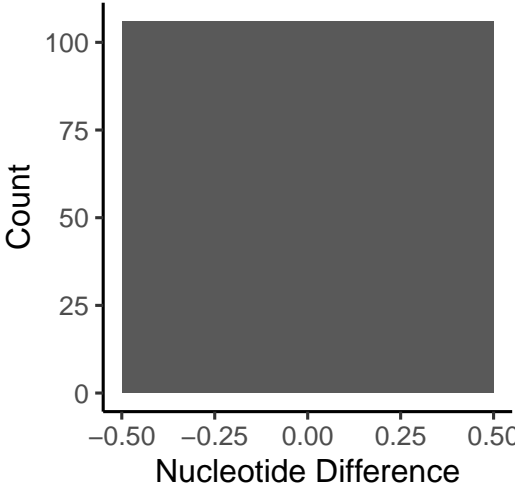
TRBV6-1\*ap01

2307 sequences assigned  
2237 (97%) exact matches, in which:  
2231 unique CDR3  
13 unique J



TRBV6-8\*ap01

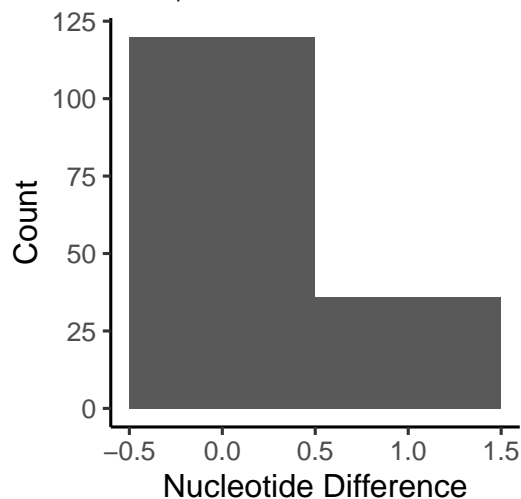
106 sequences assigned  
106 (100%) exact matches, in which:  
105 unique CDR3  
13 unique J





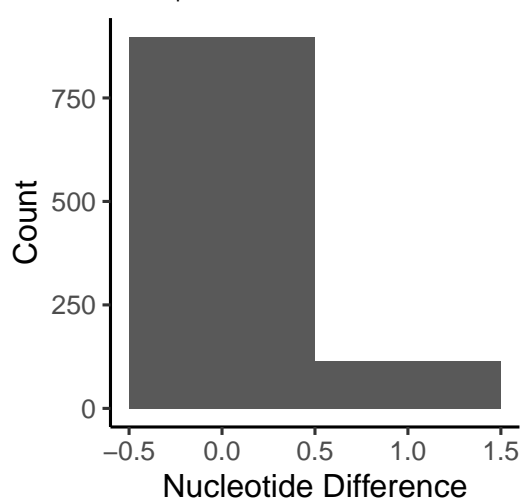
### TRBV6-9\*ap01

156 sequences assigned  
120 (76.9%) exact matches, in which:  
120 unique CDR3  
13 unique J



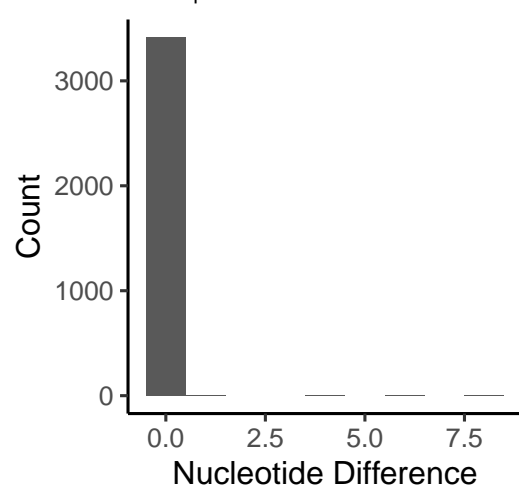
### TRBV6-56\*ap02

1013 sequences assigned  
898 (88.6%) exact matches, in which:  
897 unique CDR3  
13 unique J



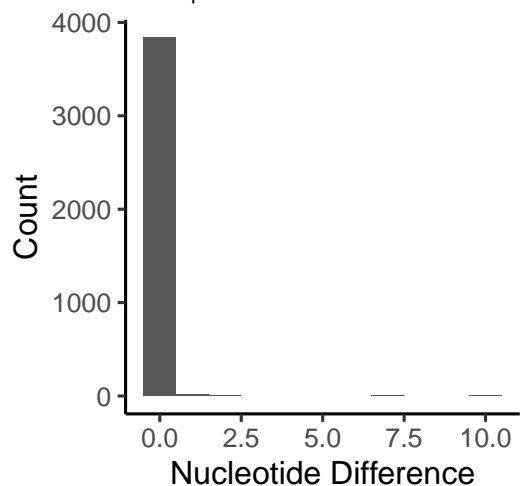
### TRBV7-3\*ap01

3422 sequences assigned  
3414 (99.8%) exact matches, in which:  
3405 unique CDR3  
14 unique J



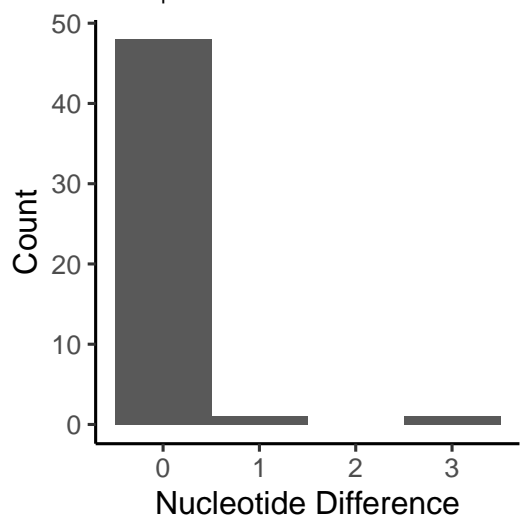
### TRBV6-23\*ap01

3852 sequences assigned  
3836 (99.6%) exact matches, in which:  
3828 unique CDR3  
13 unique J



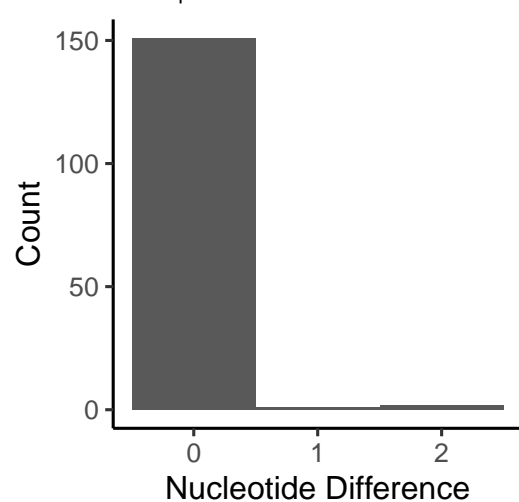
### TRBV7-1\*ap01\_G291C\_T

50 sequences assigned  
48 (96%) exact matches, in which:  
48 unique CDR3  
11 unique J



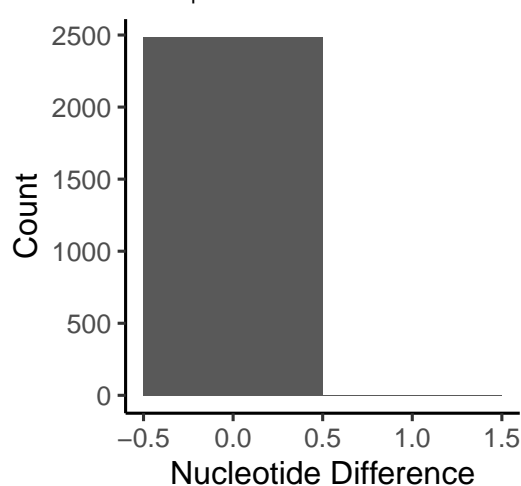
### TRBV7-4\*ap01

154 sequences assigned  
151 (98.1%) exact matches, in which:  
151 unique CDR3  
13 unique J



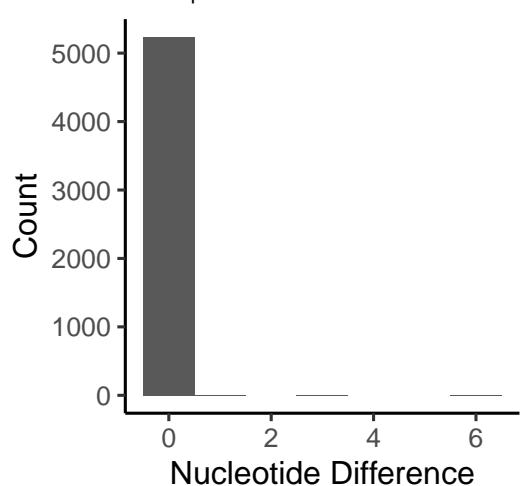
### TRBV6-56\*ap01

2490 sequences assigned  
2486 (99.8%) exact matches, in which:  
2480 unique CDR3  
13 unique J



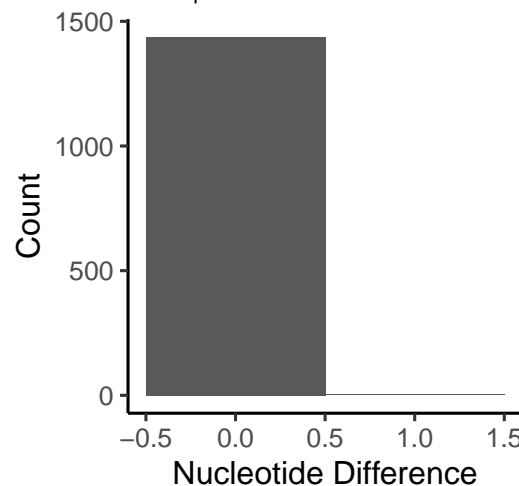
### TRBV7-2\*ap01

5242 sequences assigned  
5235 (99.9%) exact matches, in which:  
5233 unique CDR3  
13 unique J



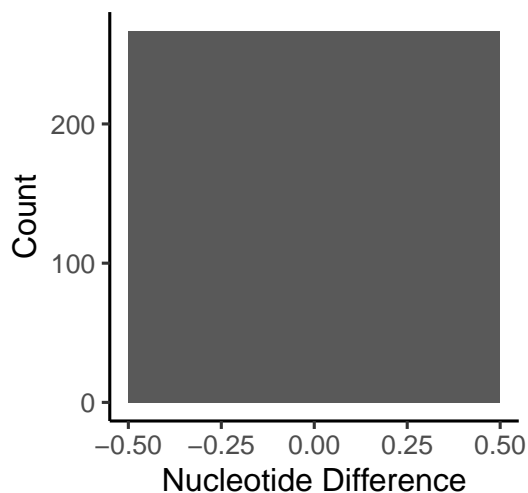
### TRBV7-6\*ap01

1441 sequences assigned  
1437 (99.7%) exact matches, in which:  
1436 unique CDR3  
13 unique J



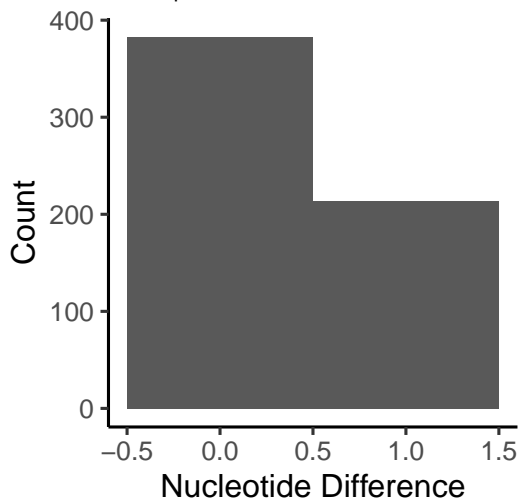
### TRBV7-7\*ap01

267 sequences assigned  
267 (100%) exact matches, in which:  
267 unique CDR3  
12 unique J



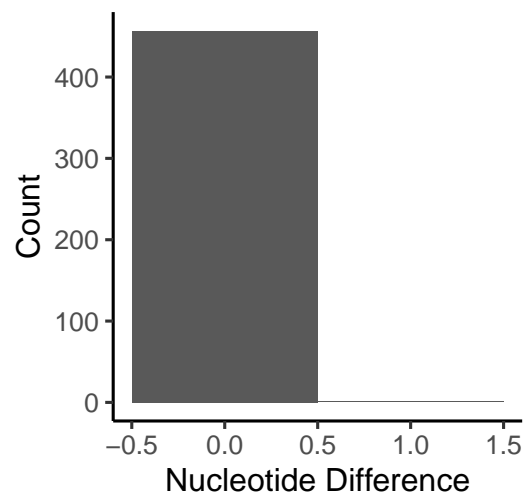
### TRBV7-8\*ap03

597 sequences assigned  
383 (64.2%) exact matches, in which:  
383 unique CDR3  
13 unique J



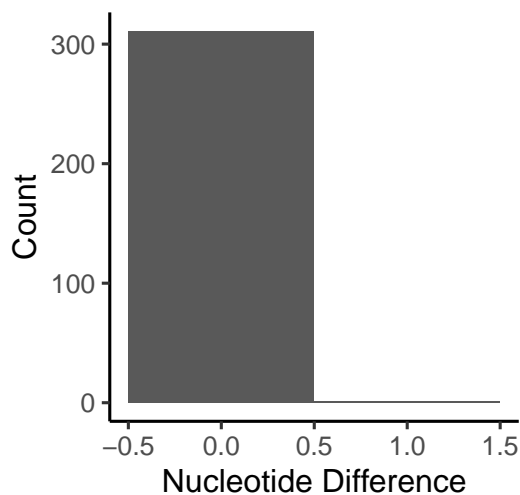
### TRBV29-1\*ap02

458 sequences assigned  
457 (99.8%) exact matches, in which:  
457 unique CDR3  
13 unique J



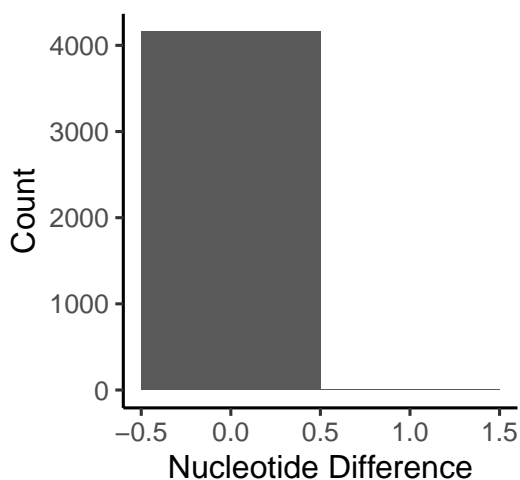
### TRBV7-7\*ap01\_C315T

312 sequences assigned  
311 (99.7%) exact matches, in which:  
311 unique CDR3  
13 unique J



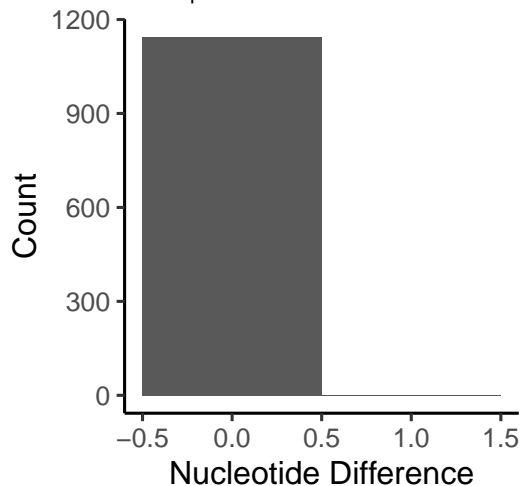
### TRBV7-9\*ap01

4162 sequences assigned  
4158 (99.9%) exact matches, in which:  
4156 unique CDR3  
13 unique J



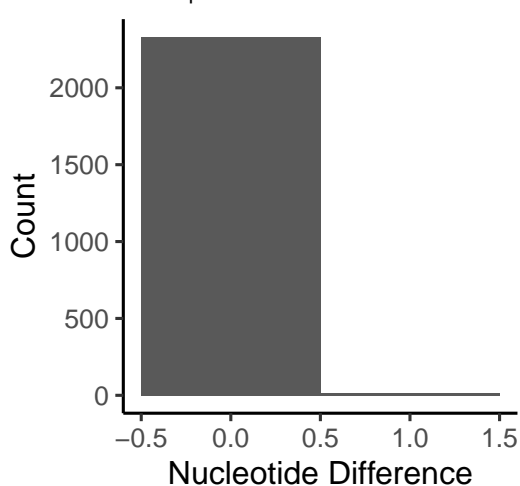
### TRBV7-8\*ap01

1145 sequences assigned  
1144 (99.9%) exact matches, in which:  
1143 unique CDR3  
13 unique J

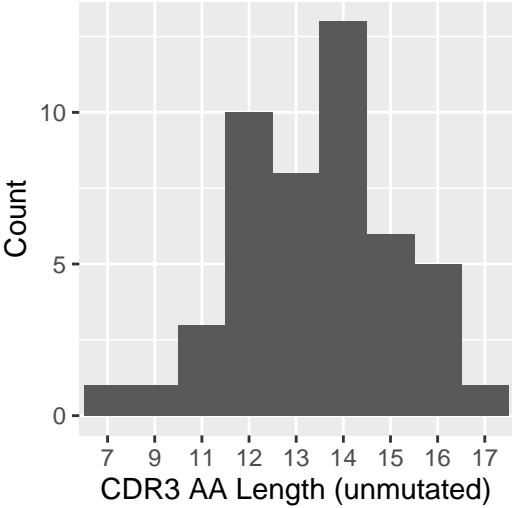


### TRBV29-1\*ap01

2345 sequences assigned  
2330 (99.4%) exact matches, in which:  
2322 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-7\*ap01\_C315T

