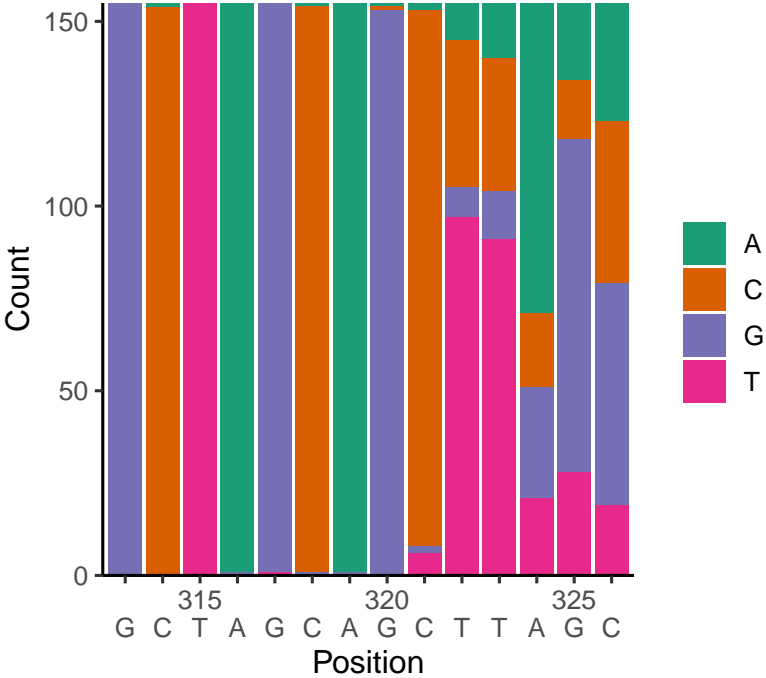


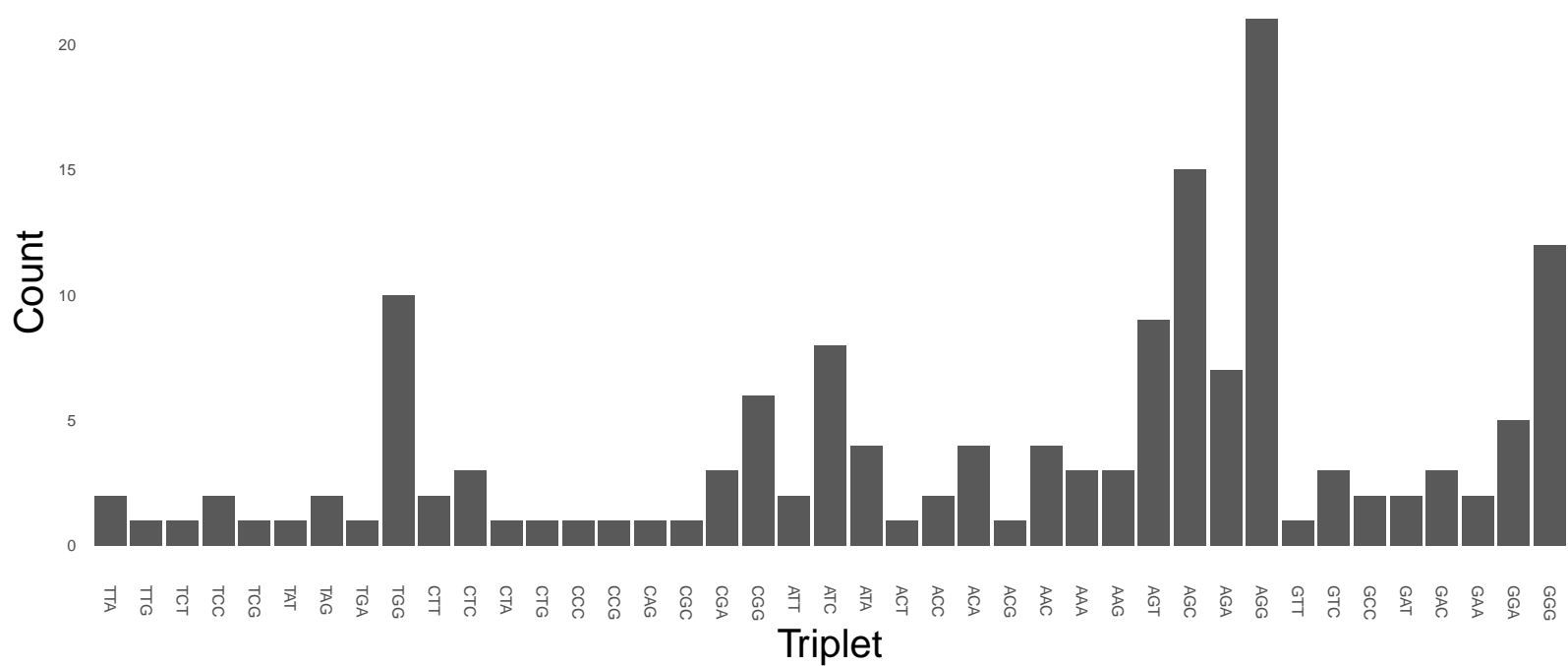
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-7\*ap01\_C315T

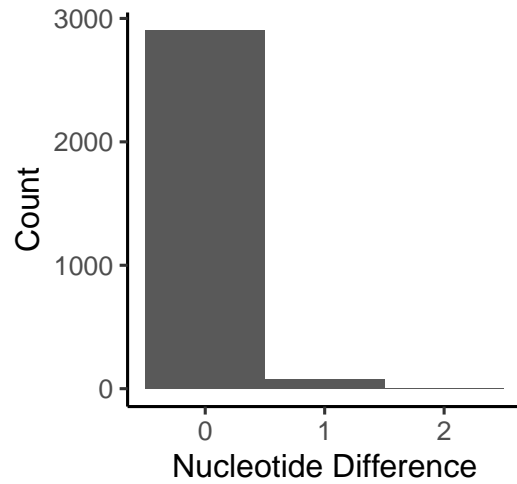


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



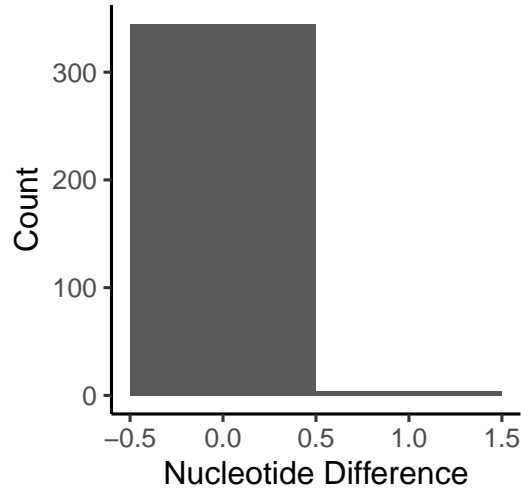
### TRBV20-1\*ap01

2980 sequences assigned  
2903 (97.4%) exact matches, in which:  
2815 unique CDR3  
13 unique J



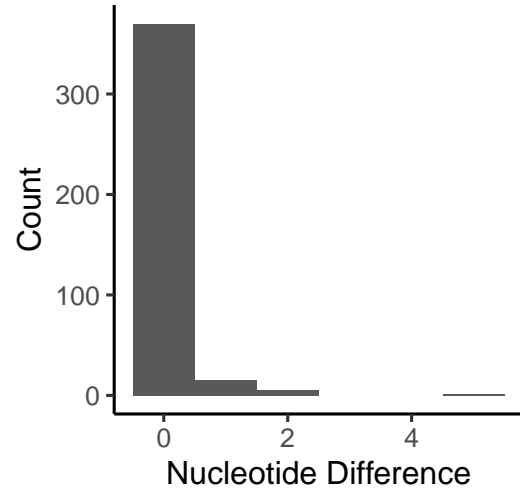
### TRBV10-2\*ap01

349 sequences assigned  
345 (98.9%) exact matches, in which:  
339 unique CDR3  
13 unique J



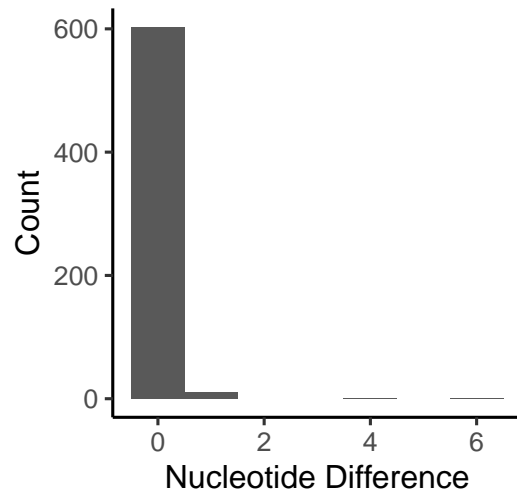
### TRBV13\*ap01

391 sequences assigned  
370 (94.6%) exact matches, in which:  
365 unique CDR3  
13 unique J



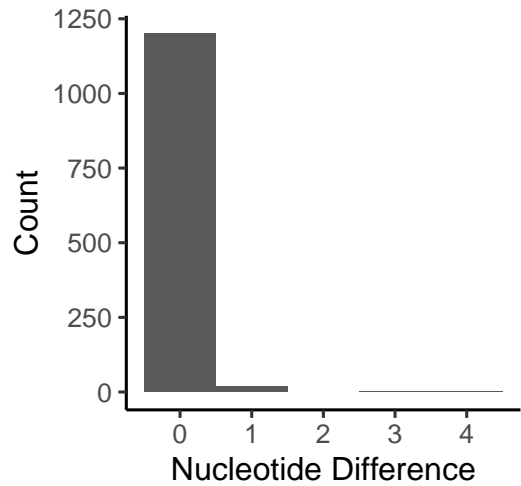
### TRBV10-1\*ap01

616 sequences assigned  
603 (97.9%) exact matches, in which:  
596 unique CDR3  
13 unique J



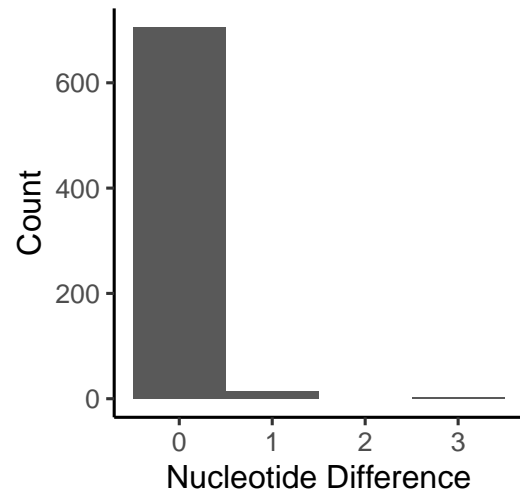
### TRBV10-3\*ap01

1221 sequences assigned  
1200 (98.3%) exact matches, in which:  
1179 unique CDR3  
13 unique J



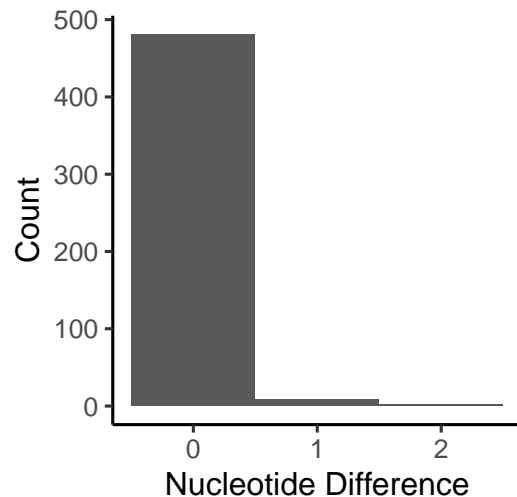
### TRBV14\*ap01

722 sequences assigned  
706 (97.8%) exact matches, in which:  
693 unique CDR3  
13 unique J



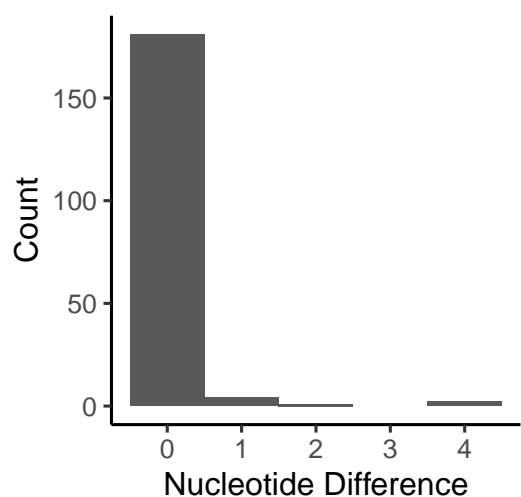
### TRBV20-1\*ap02

492 sequences assigned  
481 (97.8%) exact matches, in which:  
465 unique CDR3  
13 unique J



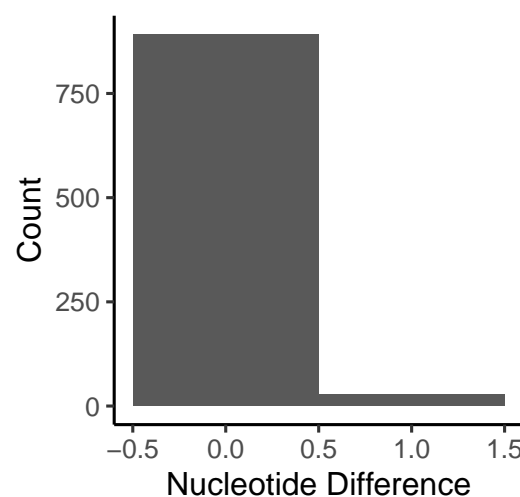
### TRBV1\*ap01

188 sequences assigned  
181 (96.3%) exact matches, in which:  
174 unique CDR3  
13 unique J



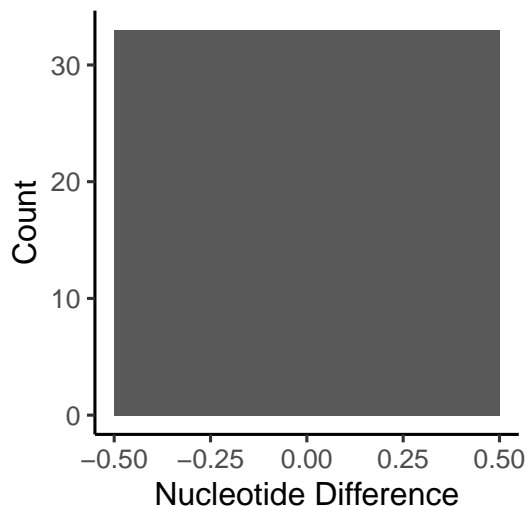
### TRBV15\*ap02

920 sequences assigned  
892 (97%) exact matches, in which:  
877 unique CDR3  
13 unique J



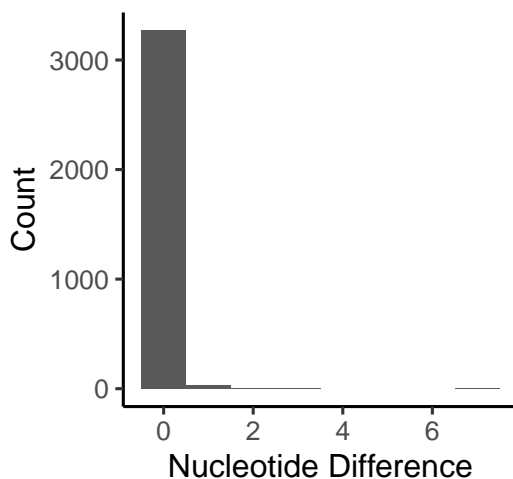
### TRBV16\*ap01

33 sequences assigned  
33 (100%) exact matches, in which:  
32 unique CDR3  
9 unique J



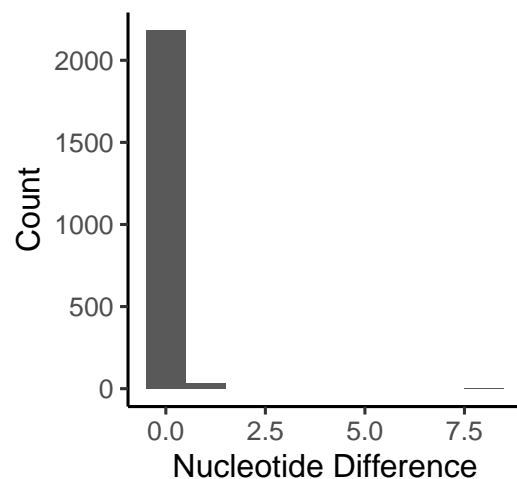
### TRBV19\*ap01

3310 sequences assigned  
3270 (98.8%) exact matches, in which:  
3198 unique CDR3  
13 unique J



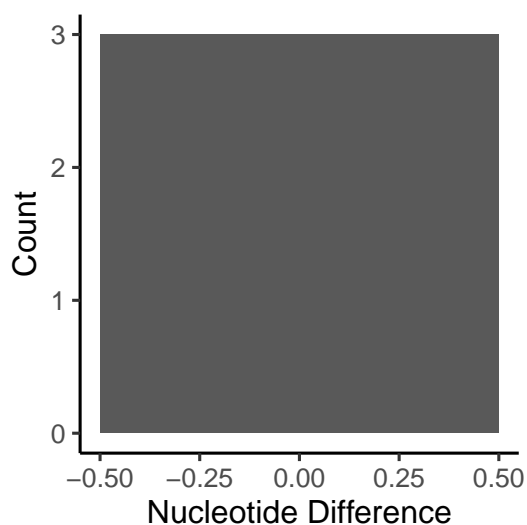
### TRBV27\*ap01

2218 sequences assigned  
2182 (98.4%) exact matches, in which:  
2150 unique CDR3  
13 unique J



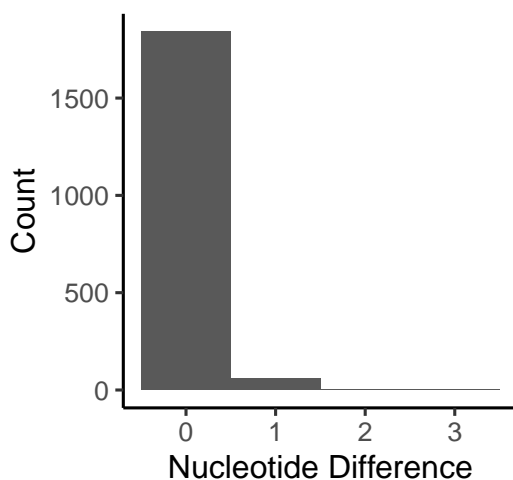
### TRBV17\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
1 unique J



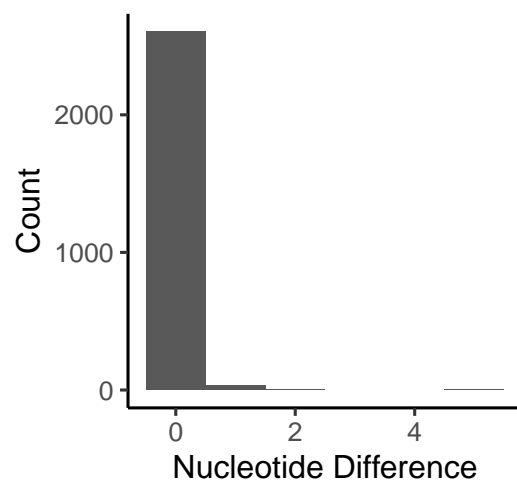
### TRBV2\*ap01

1906 sequences assigned  
1841 (96.6%) exact matches, in which:  
1818 unique CDR3  
13 unique J



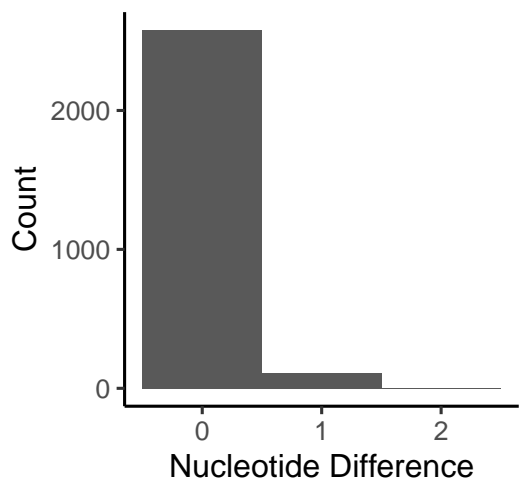
### TRBV28\*ap01

2640 sequences assigned  
2604 (98.6%) exact matches, in which:  
2565 unique CDR3  
13 unique J



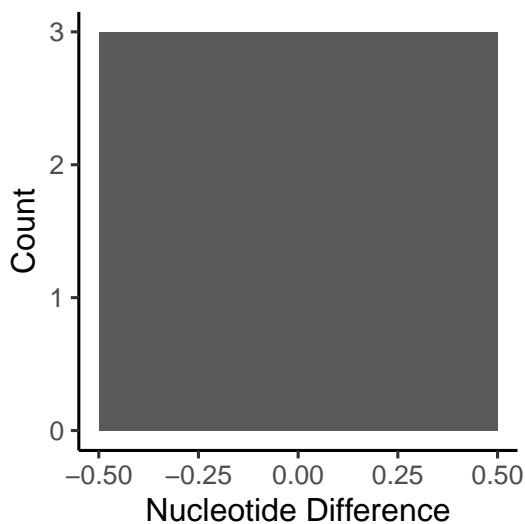
### TRBV18\*ap01

2688 sequences assigned  
2579 (95.9%) exact matches, in which:  
2487 unique CDR3  
13 unique J



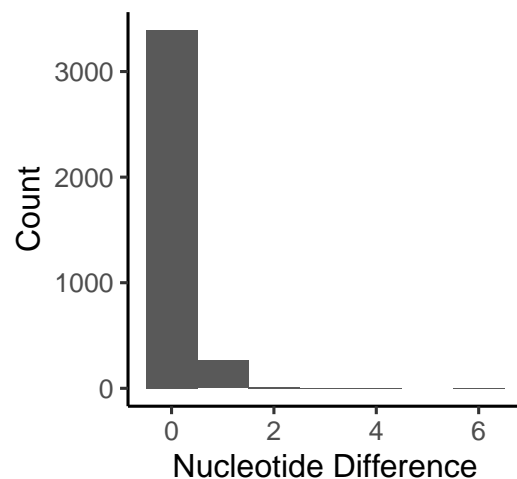
### TRBV26\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



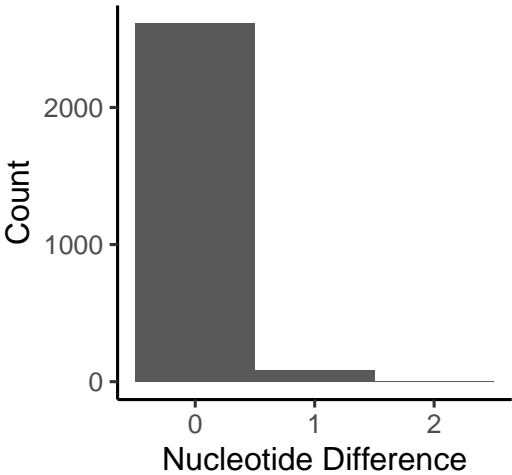
### TRBV30\*ap01

3672 sequences assigned  
3393 (92.4%) exact matches, in which:  
3170 unique CDR3  
13 unique J



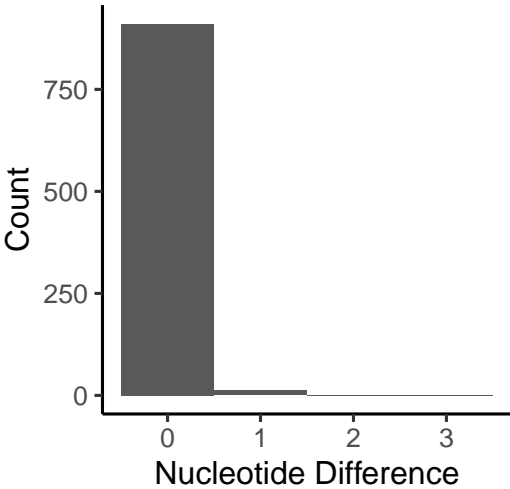
TRBV9\*ap01

2703 sequences assigned  
2613 (96.7%) exact matches, in which:  
2584 unique CDR3  
13 unique J



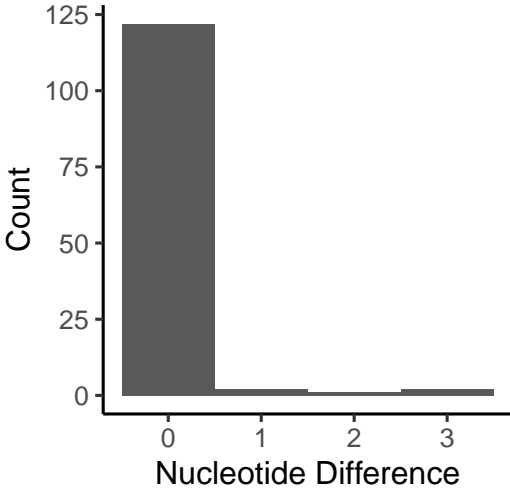
TRBV11-2\*ap01

925 sequences assigned  
911 (98.5%) exact matches, in which:  
893 unique CDR3  
13 unique J



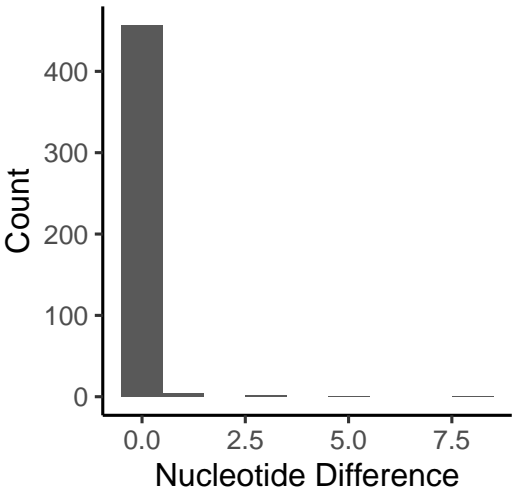
TRBV12-2\*ap01

127 sequences assigned  
122 (96.1%) exact matches, in which:  
120 unique CDR3  
10 unique J



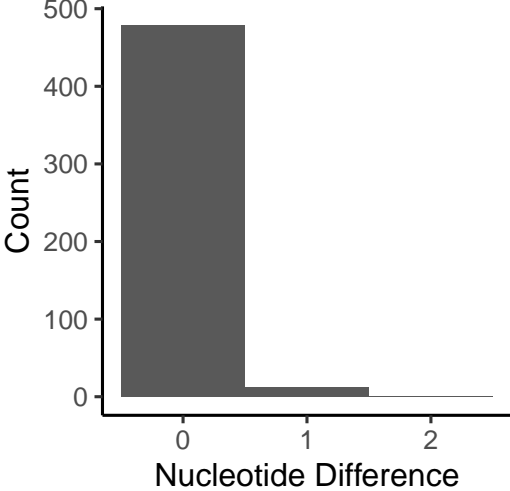
TRBV21-1\*ap01

465 sequences assigned  
457 (98.3%) exact matches, in which:  
454 unique CDR3  
13 unique J



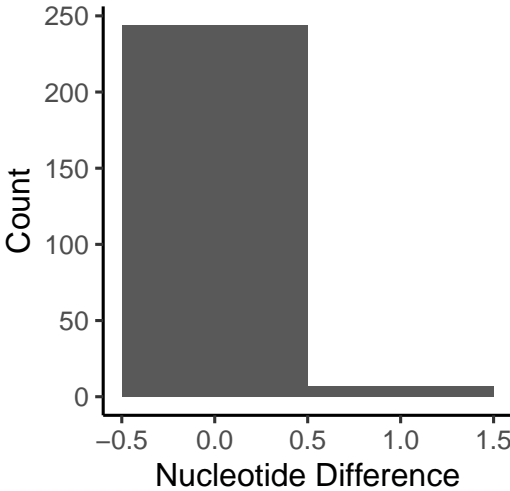
TRBV11-3\*ap01

492 sequences assigned  
479 (97.4%) exact matches, in which:  
473 unique CDR3  
13 unique J



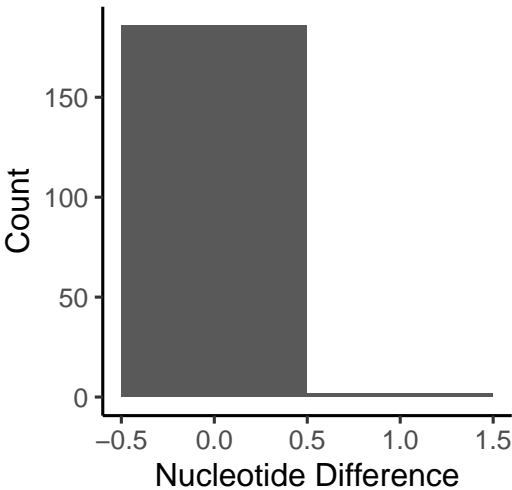
TRBV12-5\*ap01

251 sequences assigned  
244 (97.2%) exact matches, in which:  
240 unique CDR3  
13 unique J



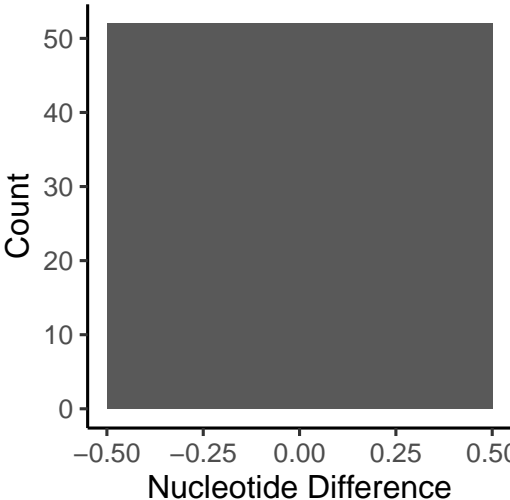
TRBV11-1\*ap01

188 sequences assigned  
186 (98.9%) exact matches, in which:  
184 unique CDR3  
12 unique J



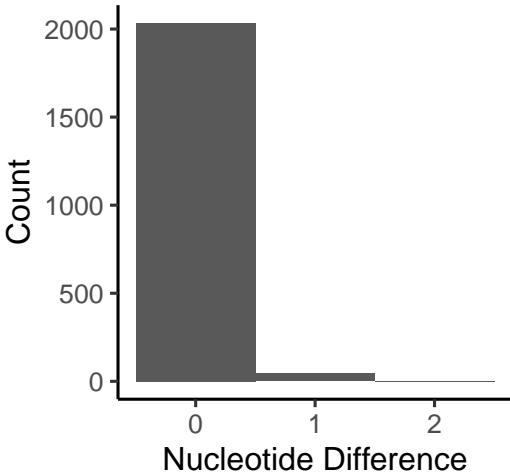
TRBV12-1\*ap01

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



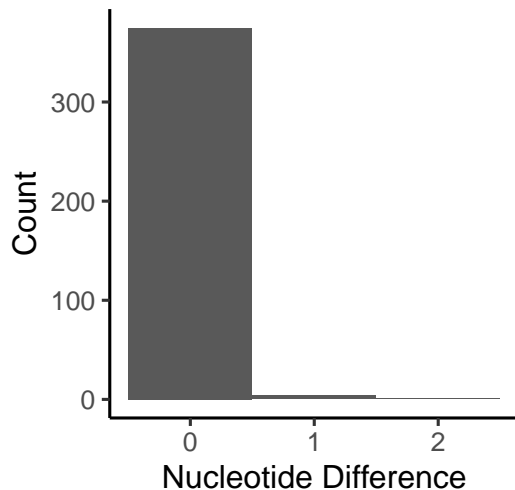
TRBV12-34\*ap01

2081 sequences assigned  
2034 (97.7%) exact matches, in which:  
2006 unique CDR3  
13 unique J



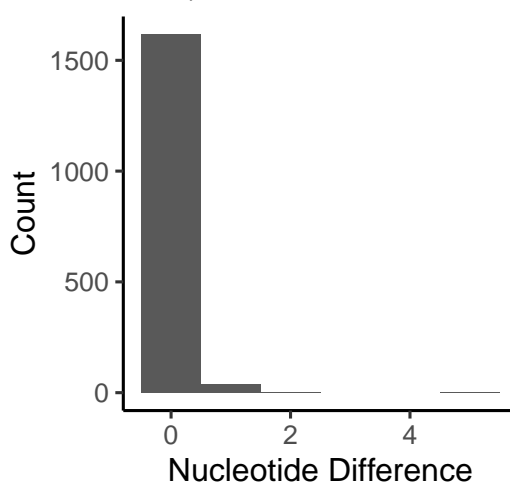
### TRBV23-1\*ap01

380 sequences assigned  
375 (98.7%) exact matches, in which:  
371 unique CDR3  
13 unique J



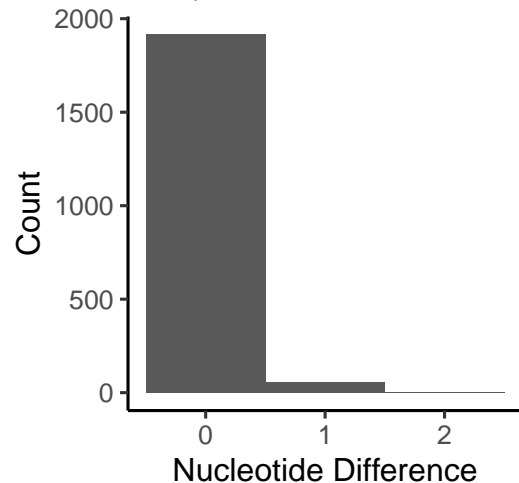
### TRBV24-1\*ap01

1656 sequences assigned  
1617 (97.6%) exact matches, in which:  
1586 unique CDR3  
13 unique J



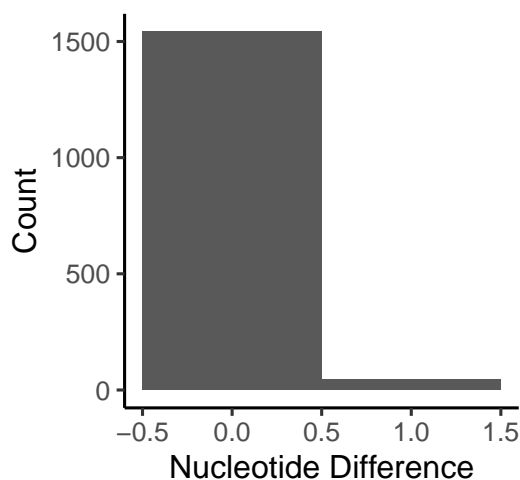
### TRBV5-1\*ap01

1976 sequences assigned  
1916 (97%) exact matches, in which:  
1850 unique CDR3  
13 unique J



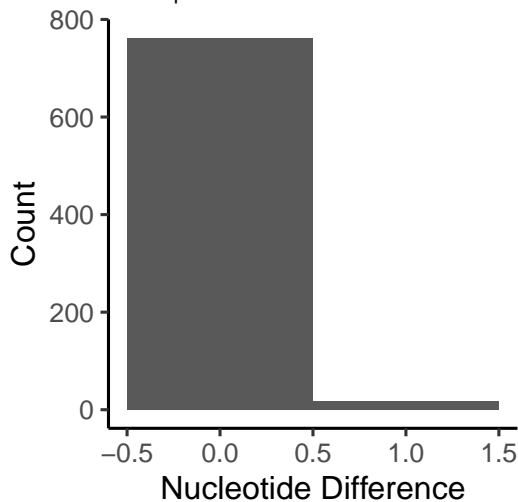
### TRBV3-12\*ap01

1587 sequences assigned  
1542 (97.2%) exact matches, in which:  
1528 unique CDR3  
13 unique J



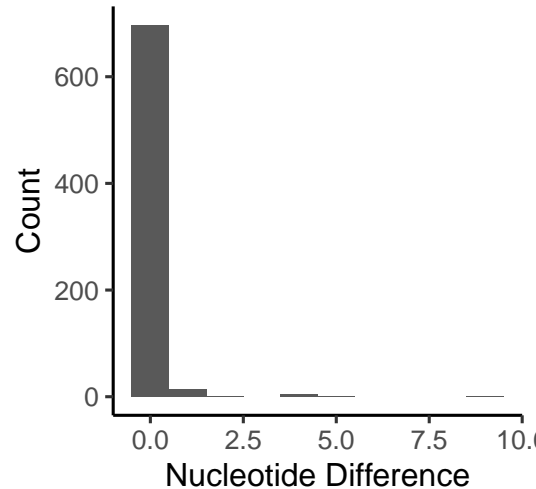
### TRBV4-2\*ap01

779 sequences assigned  
762 (97.8%) exact matches, in which:  
742 unique CDR3  
13 unique J



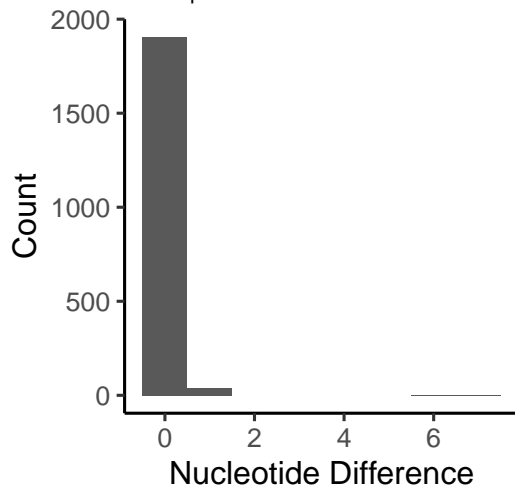
### TRBV25-1\*ap01

719 sequences assigned  
697 (96.9%) exact matches, in which:  
682 unique CDR3  
14 unique J



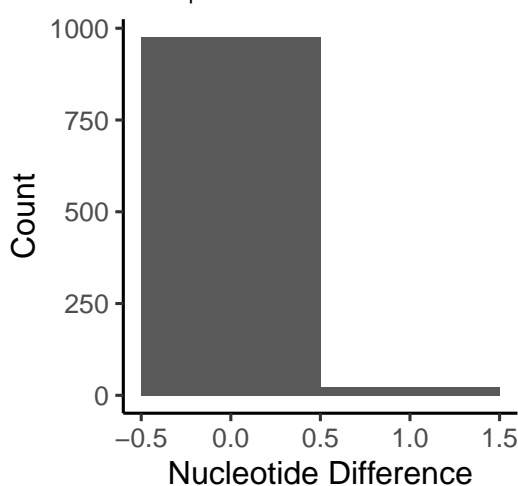
### TRBV4-1\*ap01

1946 sequences assigned  
1905 (97.9%) exact matches, in which:  
1828 unique CDR3  
13 unique J



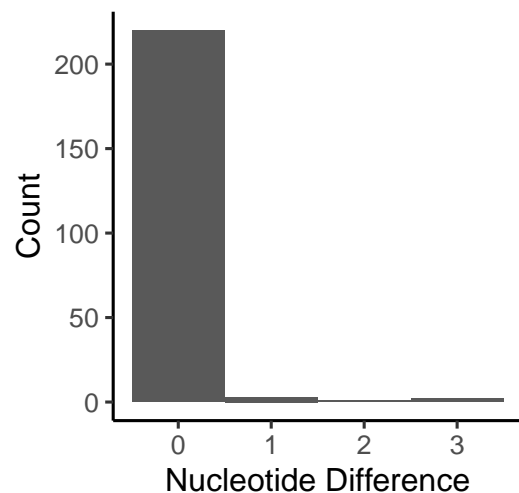
### TRBV4-3\*ap01

998 sequences assigned  
976 (97.8%) exact matches, in which:  
947 unique CDR3  
13 unique J



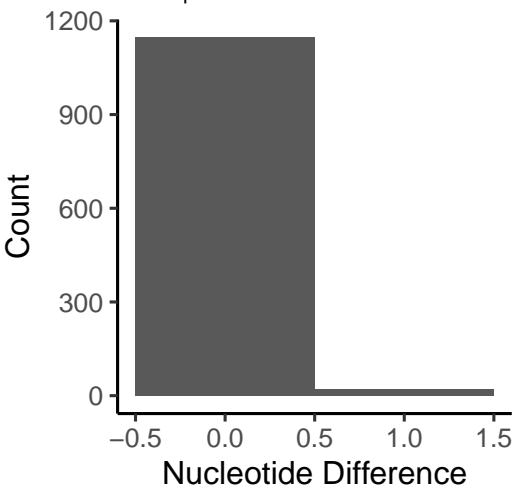
### TRBV5-3\*ap01

226 sequences assigned  
220 (97.3%) exact matches, in which:  
214 unique CDR3  
13 unique J



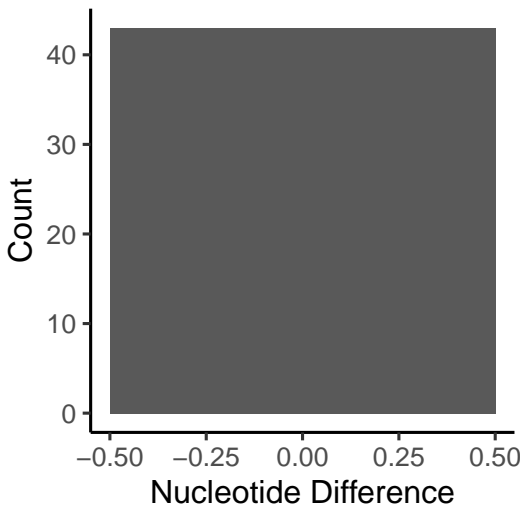
TRBV5-4\*ap01

1168 sequences assigned  
1147 (98.2%) exact matches, in which:  
1129 unique CDR3  
13 unique J



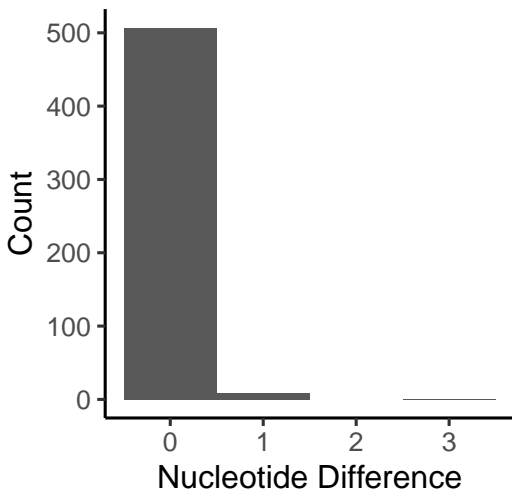
TRBV5-7\*ap01

43 sequences assigned  
43 (100%) exact matches, in which:  
39 unique CDR3  
10 unique J



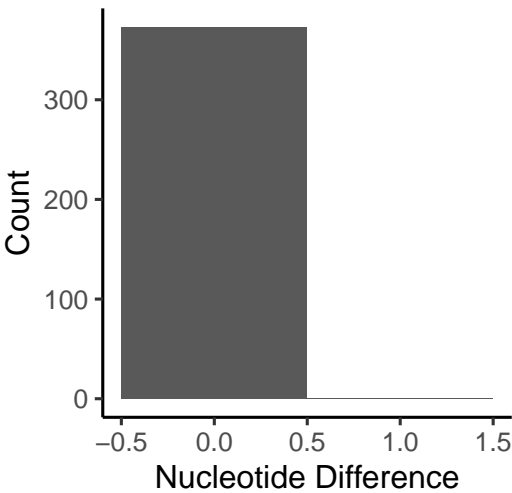
TRBV6-4\*ap01

517 sequences assigned  
507 (98.1%) exact matches, in which:  
498 unique CDR3  
13 unique J



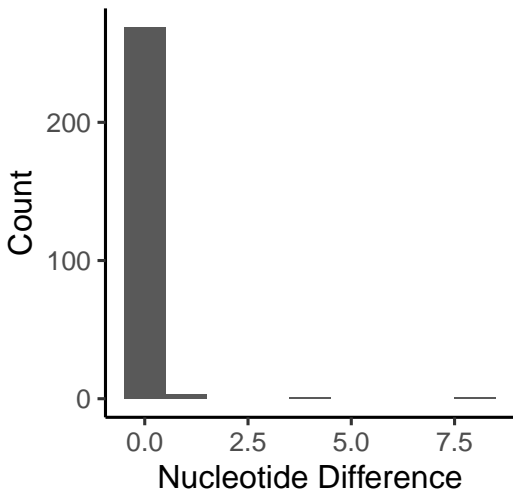
TRBV5-5\*ap01

374 sequences assigned  
373 (99.7%) exact matches, in which:  
369 unique CDR3  
13 unique J



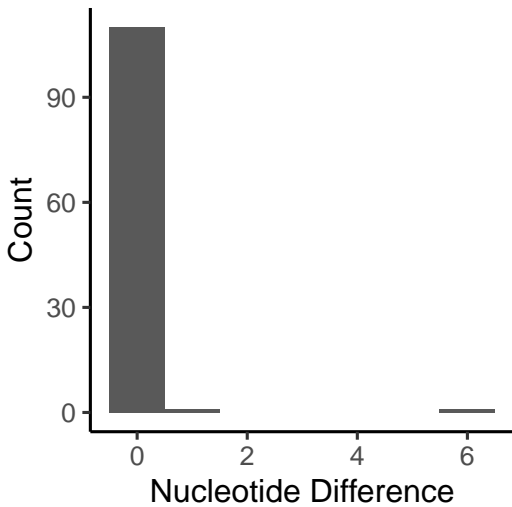
TRBV5-8\*ap01

274 sequences assigned  
269 (98.2%) exact matches, in which:  
268 unique CDR3  
13 unique J



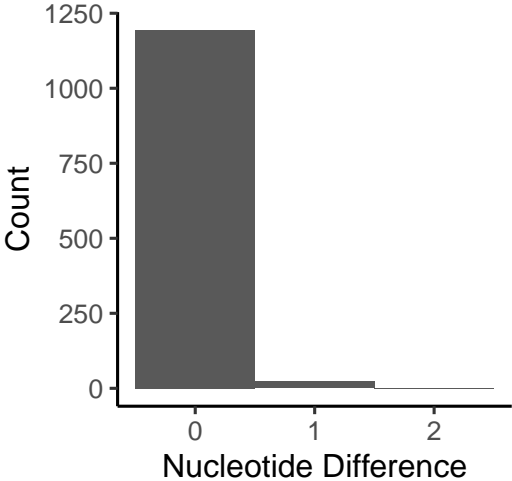
TRBV6-7\*ap01

112 sequences assigned  
110 (98.2%) exact matches, in which:  
107 unique CDR3  
12 unique J



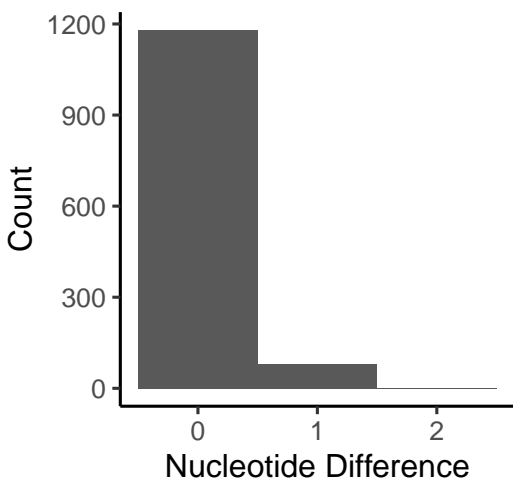
TRBV5-6\*ap01

1218 sequences assigned  
1194 (98%) exact matches, in which:  
1164 unique CDR3  
13 unique J



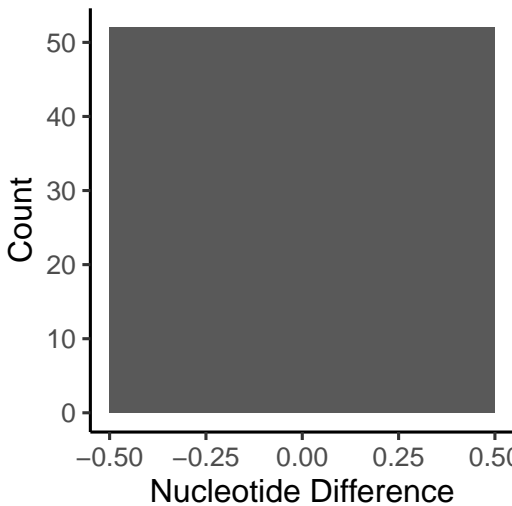
TRBV6-1\*ap01

1261 sequences assigned  
1180 (93.6%) exact matches, in which:  
1146 unique CDR3  
13 unique J



TRBV6-8\*ap01

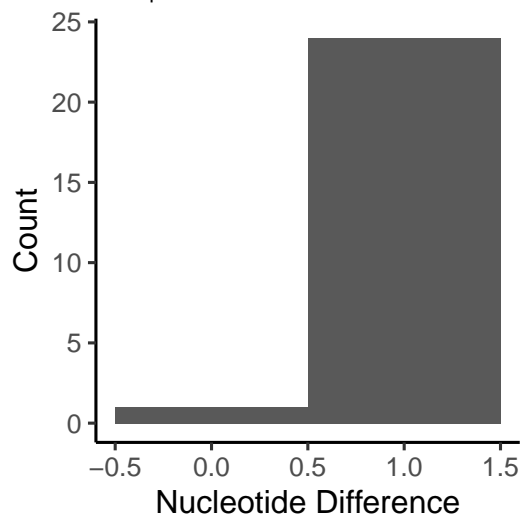
52 sequences assigned  
52 (100%) exact matches, in which:  
52 unique CDR3  
11 unique J





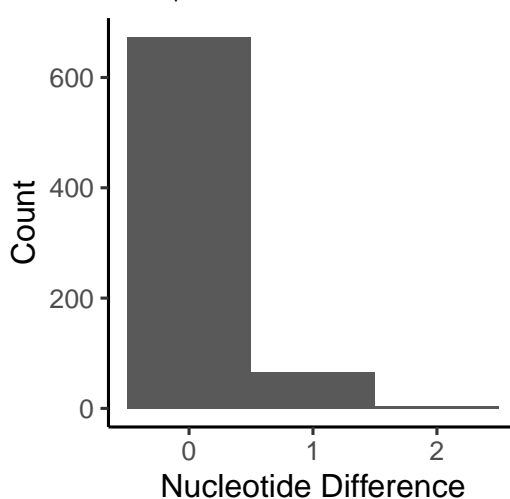
### TRBV6-9\*ap01

25 sequences assigned  
1 (4%) exact matches, in which:  
1 unique CDR3  
1 unique J



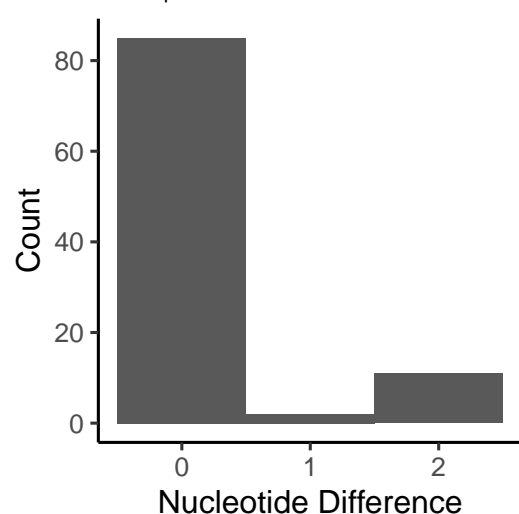
### TRBV6-56\*ap02

744 sequences assigned  
674 (90.6%) exact matches, in which:  
654 unique CDR3  
13 unique J



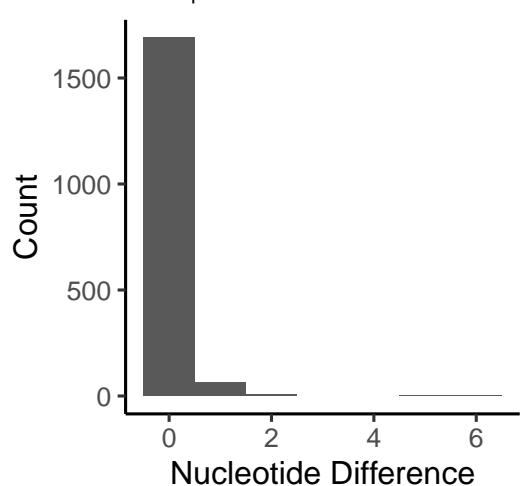
### TRBV7-4\*ap01

98 sequences assigned  
85 (86.7%) exact matches, in which:  
84 unique CDR3  
13 unique J



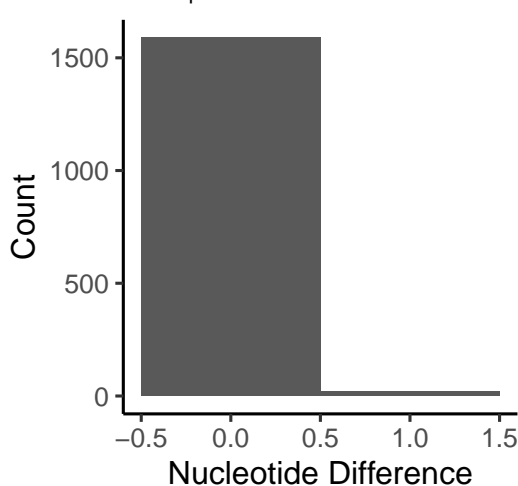
### TRBV6-23\*ap01

1762 sequences assigned  
1690 (95.9%) exact matches, in which:  
1654 unique CDR3  
13 unique J



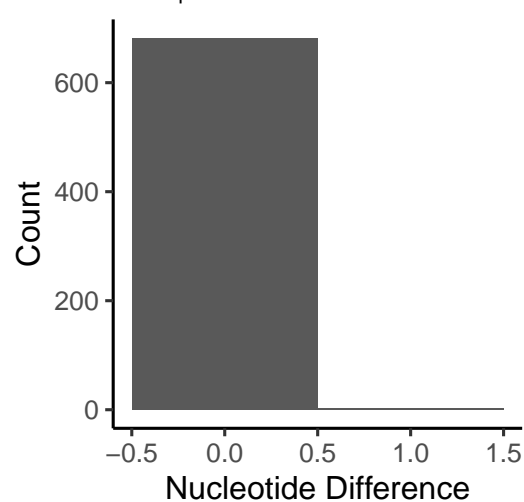
### TRBV7-2\*ap01

1607 sequences assigned  
1589 (98.9%) exact matches, in which:  
1564 unique CDR3  
13 unique J



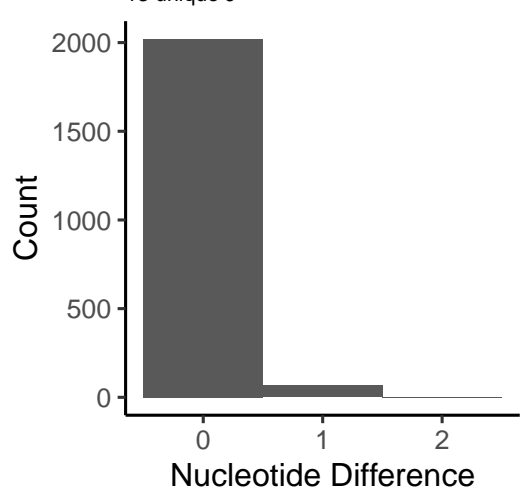
### TRBV7-6\*ap01

685 sequences assigned  
682 (99.6%) exact matches, in which:  
670 unique CDR3  
13 unique J



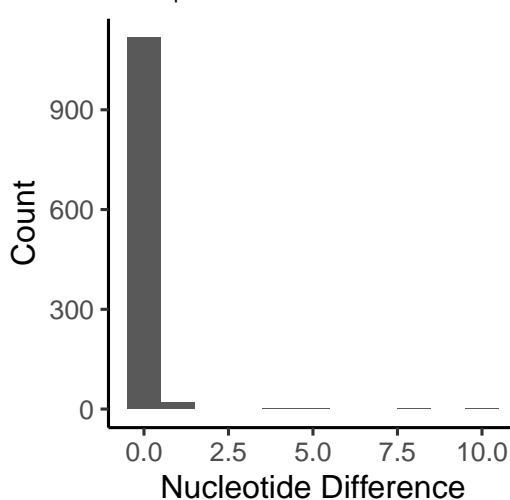
### TRBV6-56\*ap01

2090 sequences assigned  
2020 (96.7%) exact matches, in which:  
1956 unique CDR3  
13 unique J



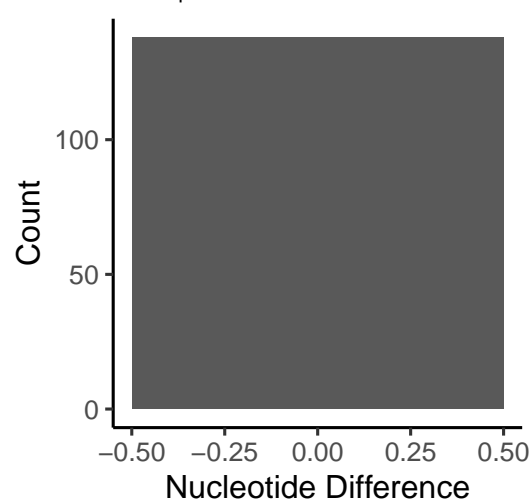
### TRBV7-3\*ap01

1145 sequences assigned  
1118 (97.6%) exact matches, in which:  
1093 unique CDR3  
13 unique J



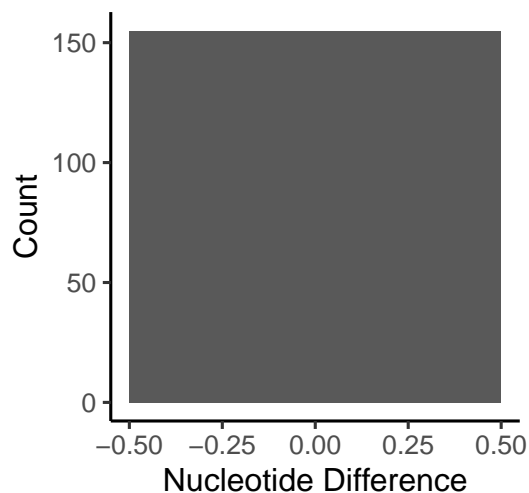
### TRBV7-7\*ap01

138 sequences assigned  
138 (100%) exact matches, in which:  
129 unique CDR3  
12 unique J



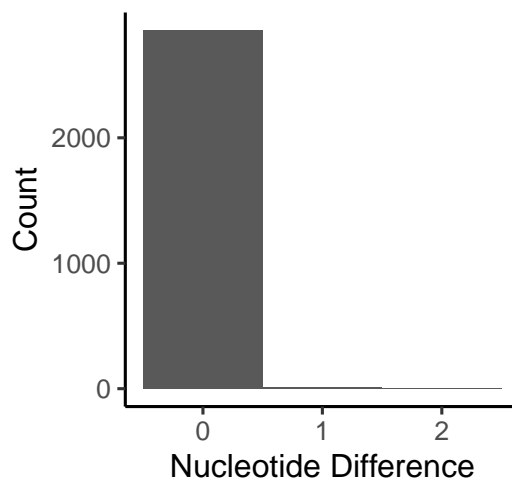
### TRBV7-7\*ap01\_C315T

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



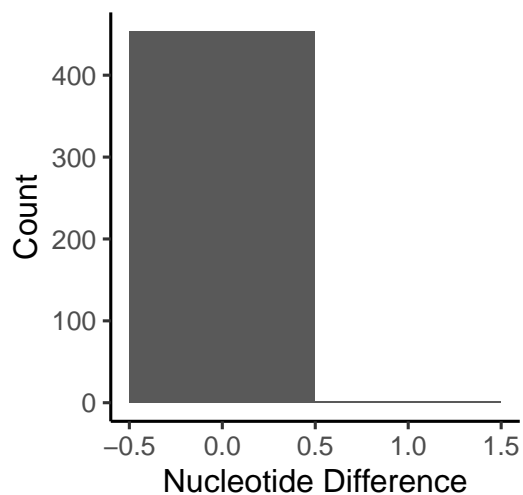
### TRBV7-9\*ap01

2867 sequences assigned  
2856 (99.6%) exact matches, in which:  
2787 unique CDR3  
13 unique J



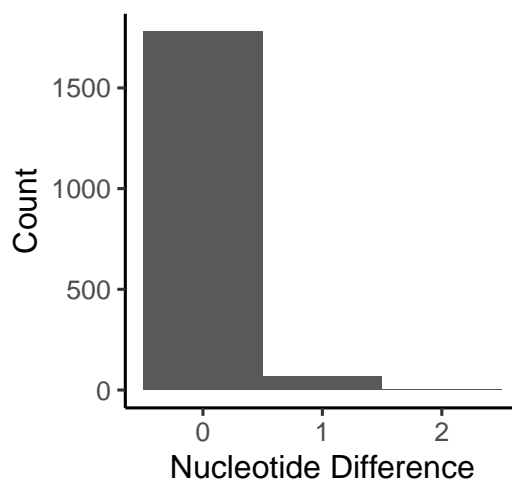
### TRBV7-8\*ap01

456 sequences assigned  
454 (99.6%) exact matches, in which:  
449 unique CDR3  
13 unique J



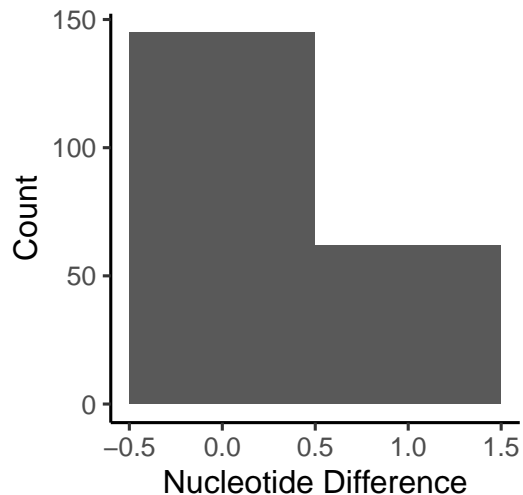
### TRBV29-1\*ap01

1847 sequences assigned  
1779 (96.3%) exact matches, in which:  
1660 unique CDR3  
13 unique J



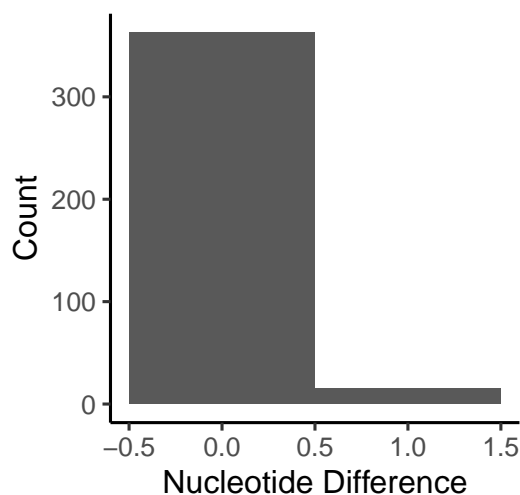
### TRBV7-8\*ap03

207 sequences assigned  
145 (70%) exact matches, in which:  
145 unique CDR3  
12 unique J



### TRBV29-1\*ap02

378 sequences assigned  
363 (96%) exact matches, in which:  
334 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T

