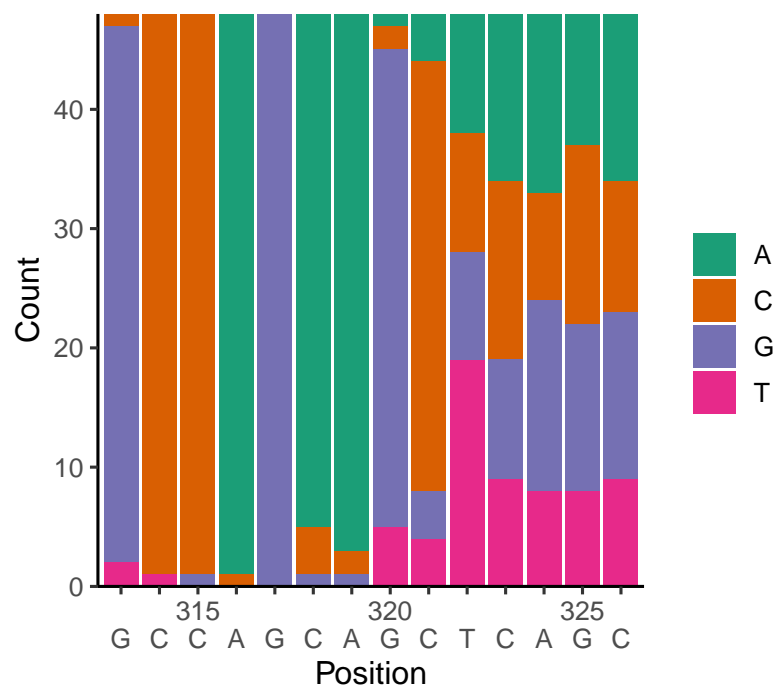
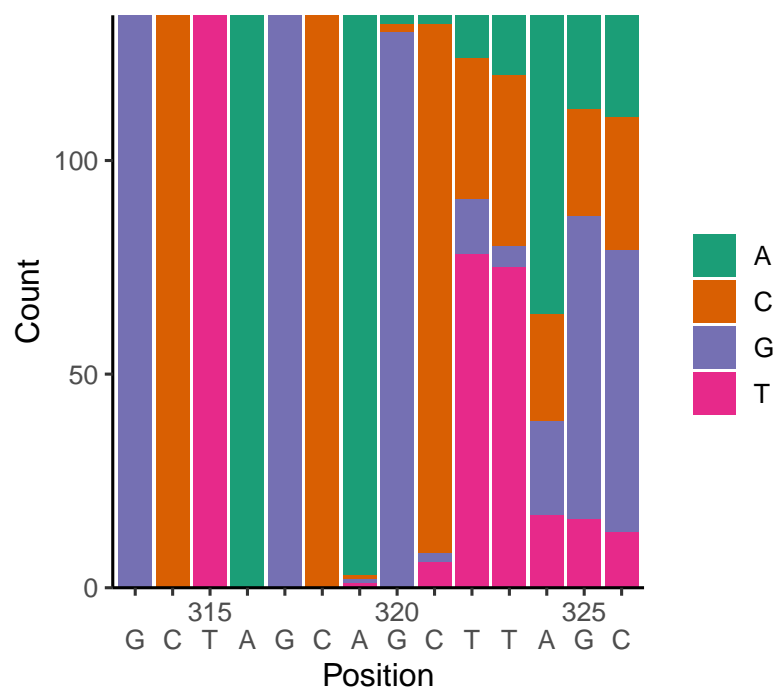


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



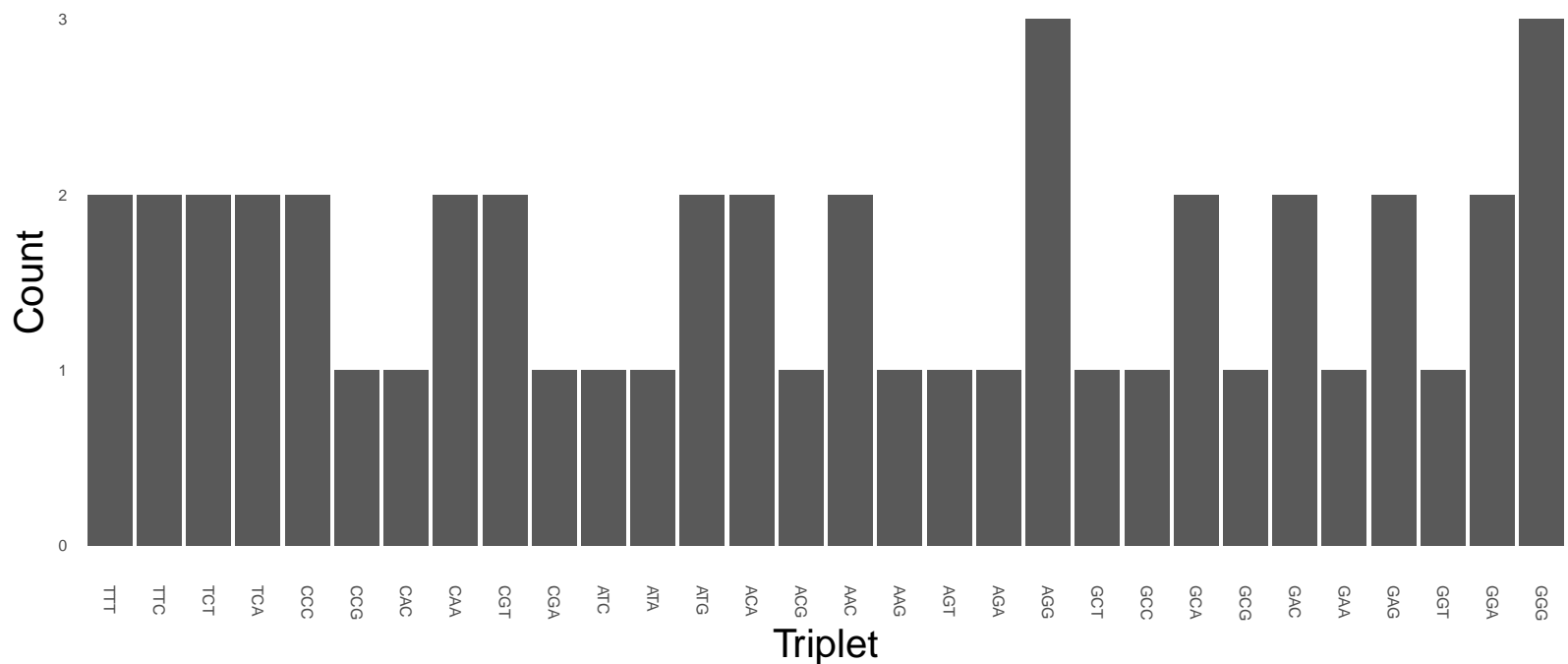
Gene TRBV7-1\*ap01\_T296C



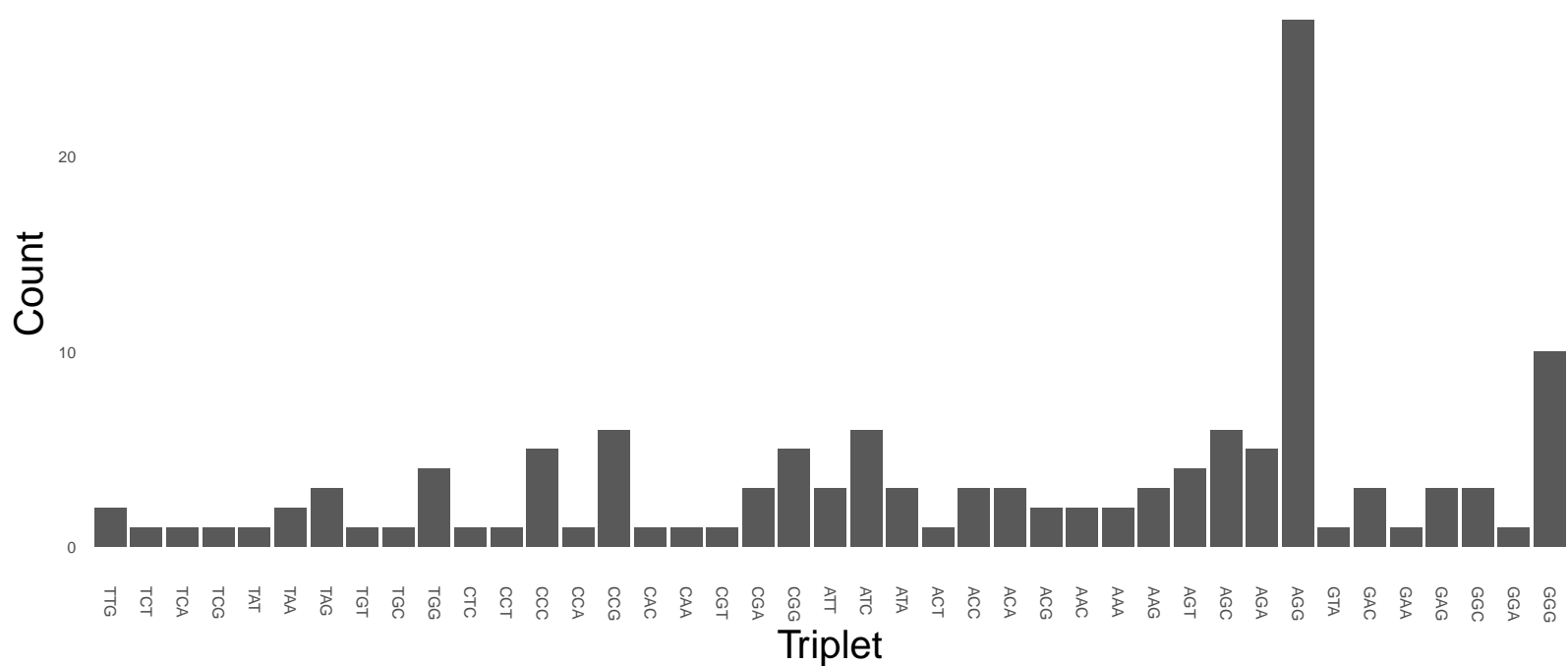
Gene TRBV7-7\*ap01\_C315T



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

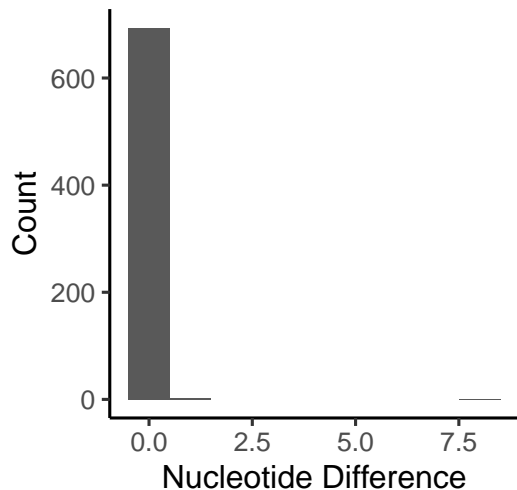


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



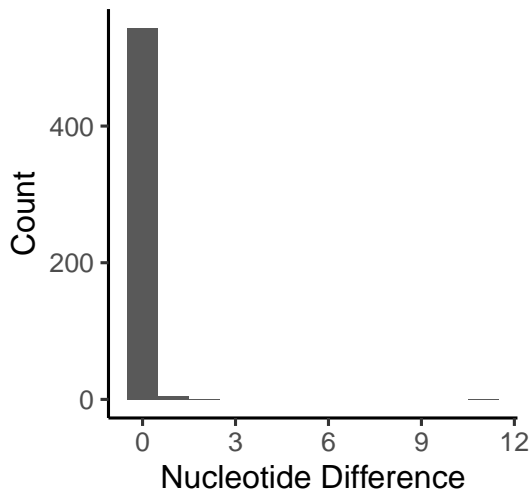
### TRBV10–1\*ap01

698 sequences assigned  
694 (99.4%) exact matches, in which:  
681 unique CDR3  
13 unique J



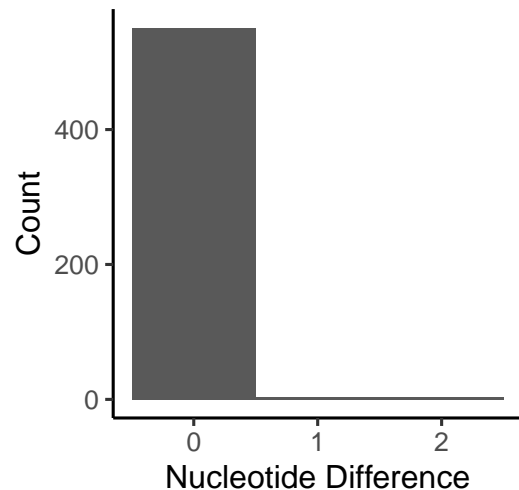
### TRBV10–2\*ap01

551 sequences assigned  
544 (98.7%) exact matches, in which:  
537 unique CDR3  
13 unique J



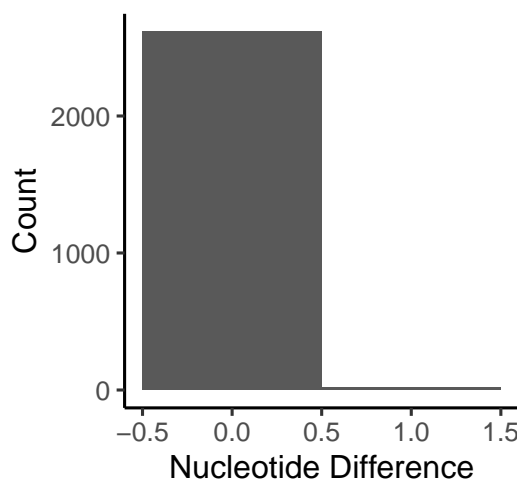
### TRBV13\*ap01

559 sequences assigned  
551 (98.6%) exact matches, in which:  
535 unique CDR3  
13 unique J



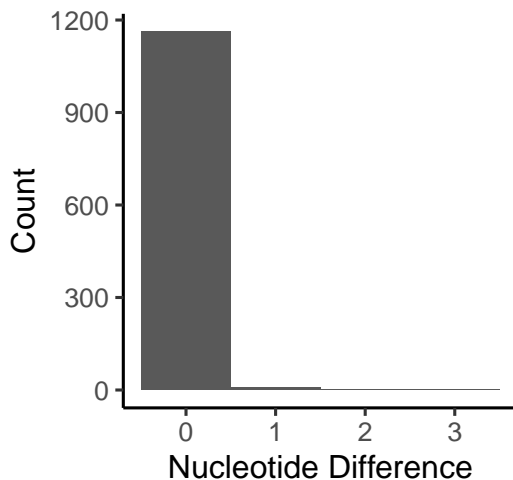
### TRBV20–1\*ap01

2636 sequences assigned  
2615 (99.2%) exact matches, in which:  
2589 unique CDR3  
13 unique J



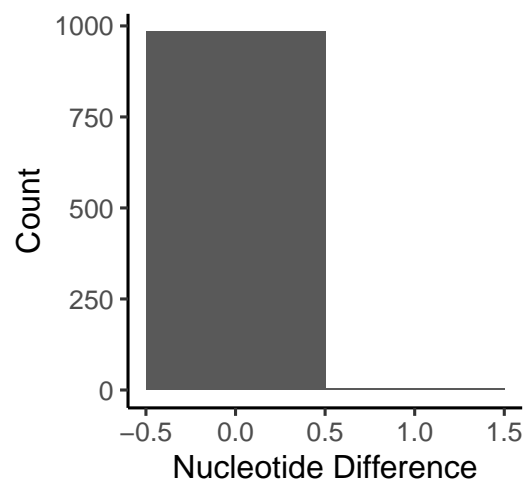
### TRBV10–3\*ap01

1171 sequences assigned  
1162 (99.2%) exact matches, in which:  
1140 unique CDR3  
13 unique J



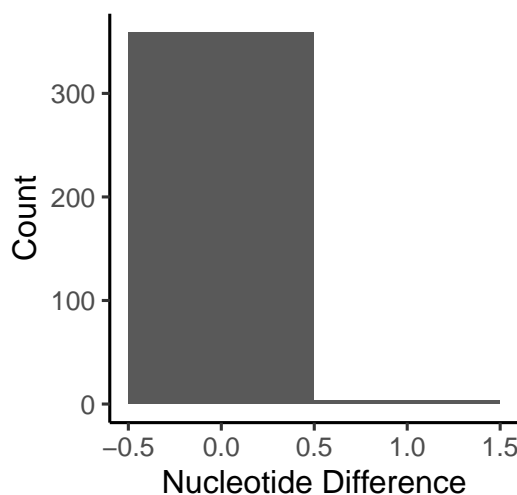
### TRBV14\*ap01

988 sequences assigned  
984 (99.6%) exact matches, in which:  
968 unique CDR3  
13 unique J



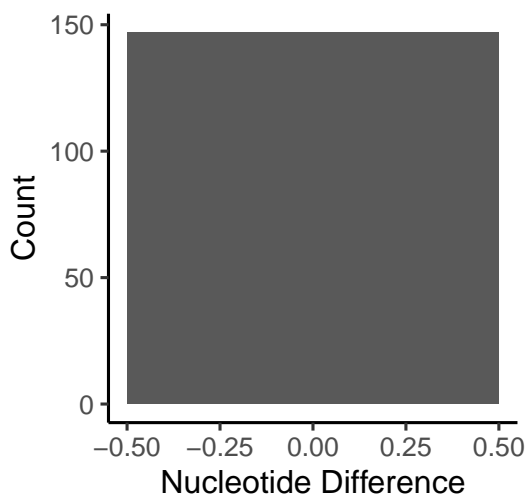
### TRBV20–1\*ap02

362 sequences assigned  
359 (99.2%) exact matches, in which:  
353 unique CDR3  
13 unique J



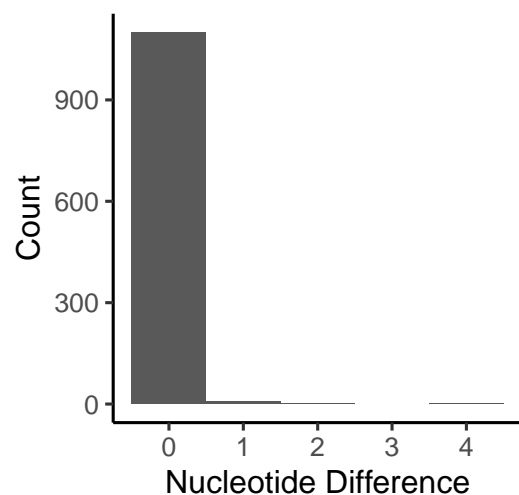
### TRBV1\*ap01

147 sequences assigned  
147 (100%) exact matches, in which:  
146 unique CDR3  
13 unique J



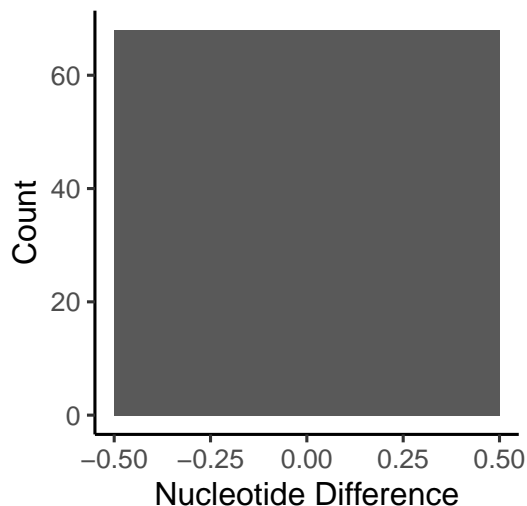
### TRBV15\*ap02

1109 sequences assigned  
1100 (99.2%) exact matches, in which:  
1075 unique CDR3  
13 unique J



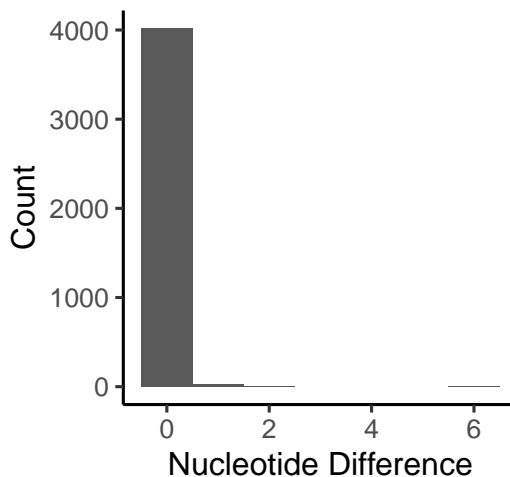
### TRBV16\*ap01

68 sequences assigned  
68 (100%) exact matches, in which:  
67 unique CDR3  
13 unique J



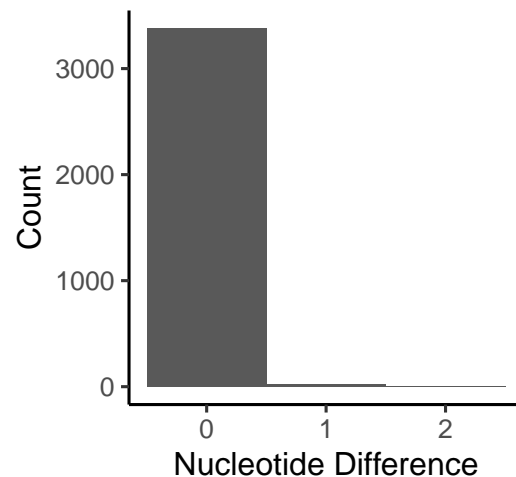
### TRBV19\*ap01

4051 sequences assigned  
4018 (99.2%) exact matches, in which:  
3973 unique CDR3  
13 unique J



### TRBV28\*ap01

3401 sequences assigned  
3379 (99.4%) exact matches, in which:  
3310 unique CDR3  
13 unique J



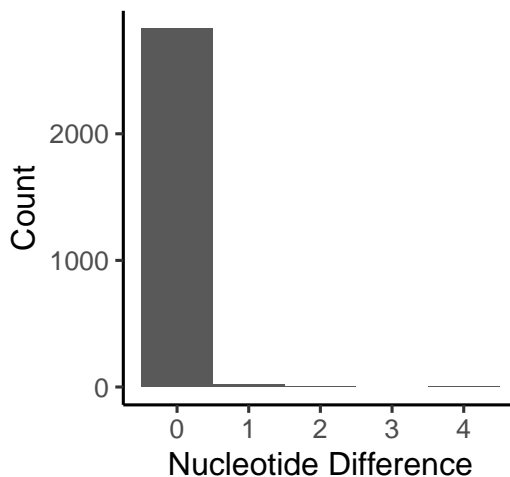
### TRBV17\*ap01

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



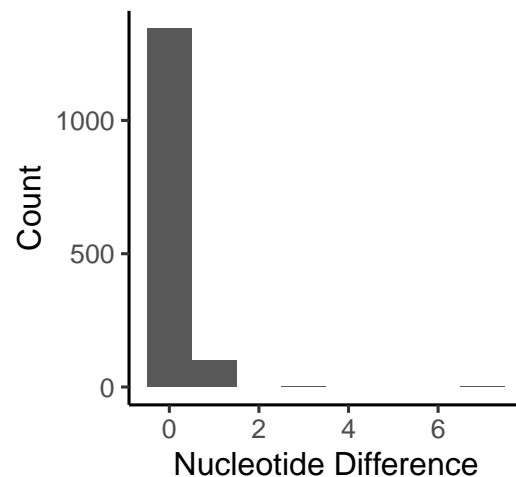
### TRBV2\*ap01

2850 sequences assigned  
2830 (99.3%) exact matches, in which:  
2772 unique CDR3  
13 unique J



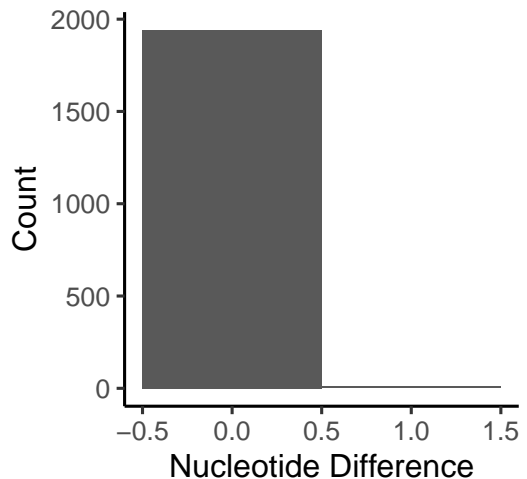
### TRBV30\*ap01

1444 sequences assigned  
1344 (93.1%) exact matches, in which:  
1308 unique CDR3  
13 unique J



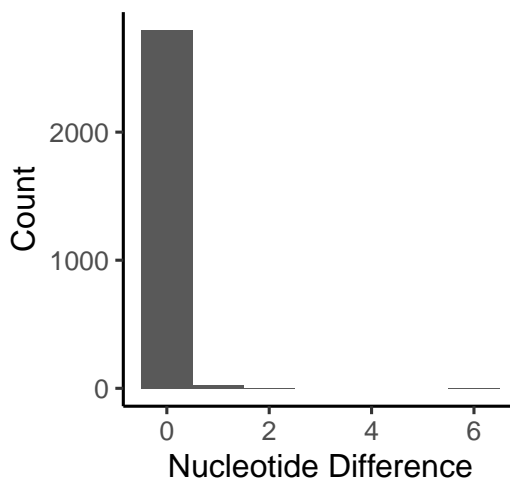
### TRBV18\*ap01

1951 sequences assigned  
1941 (99.5%) exact matches, in which:  
1912 unique CDR3  
13 unique J



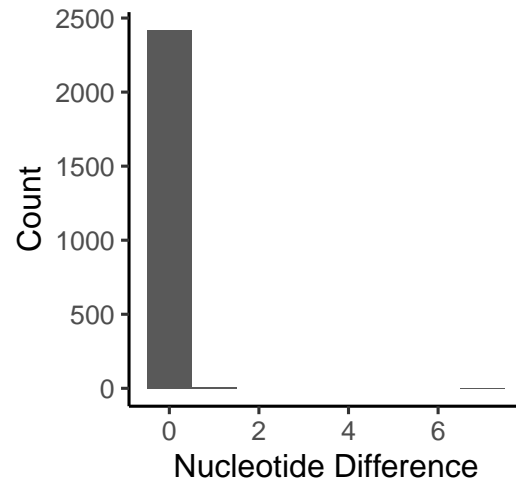
### TRBV27\*ap01

2825 sequences assigned  
2797 (99%) exact matches, in which:  
2743 unique CDR3  
13 unique J



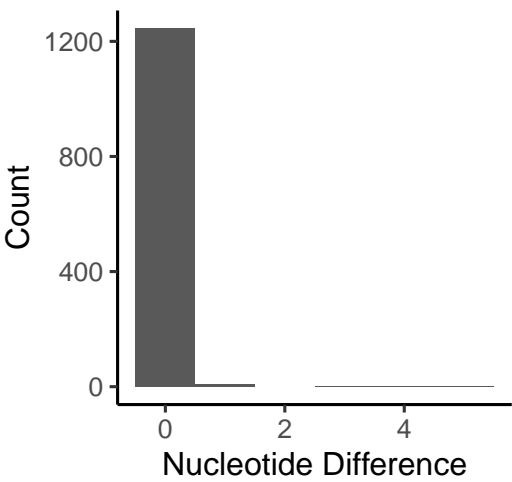
### TRBV9\*ap01

2428 sequences assigned  
2419 (99.6%) exact matches, in which:  
2395 unique CDR3  
13 unique J



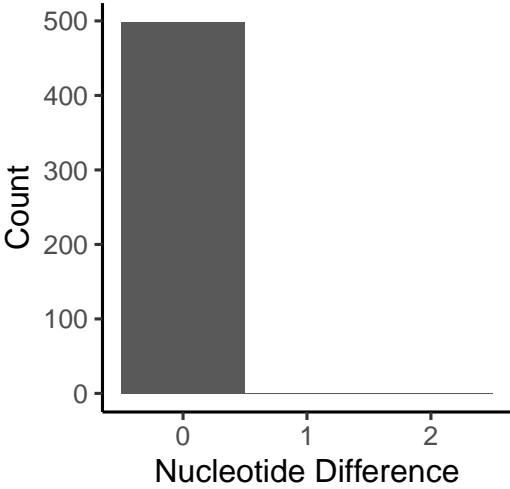
TRBV21-1\*ap01

1260 sequences assigned  
1245 (98.8%) exact matches, in which:  
1236 unique CDR3  
13 unique J



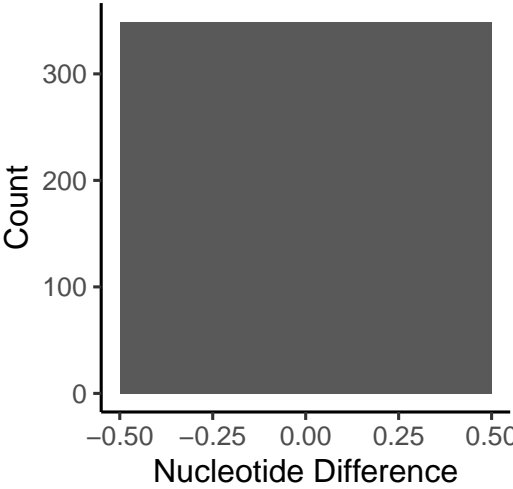
TRBV11-3\*ap01

501 sequences assigned  
499 (99.6%) exact matches, in which:  
497 unique CDR3  
13 unique J



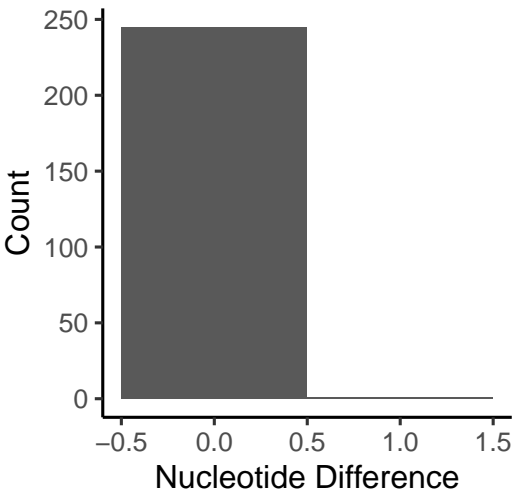
TRBV12-5\*ap01

349 sequences assigned  
349 (100%) exact matches, in which:  
343 unique CDR3  
13 unique J



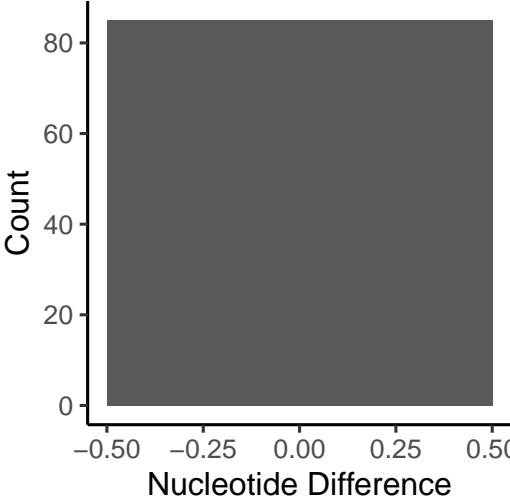
TRBV11-1\*ap01

246 sequences assigned  
245 (99.6%) exact matches, in which:  
245 unique CDR3  
13 unique J



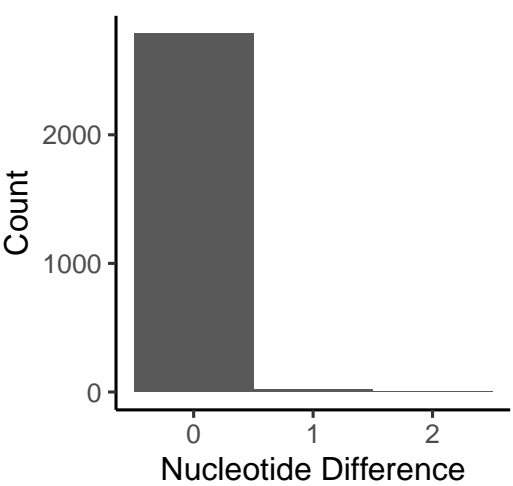
TRBV12-1\*ap01

85 sequences assigned  
85 (100%) exact matches, in which:  
83 unique CDR3  
11 unique J



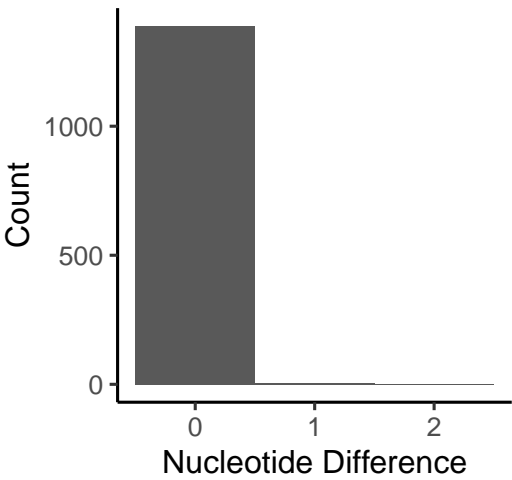
TRBV12-34\*ap01

2804 sequences assigned  
2786 (99.4%) exact matches, in which:  
2748 unique CDR3  
13 unique J



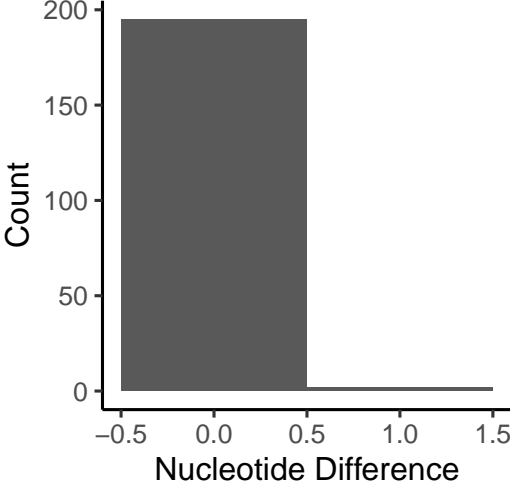
TRBV11-2\*ap01

1394 sequences assigned  
1388 (99.6%) exact matches, in which:  
1379 unique CDR3  
13 unique J



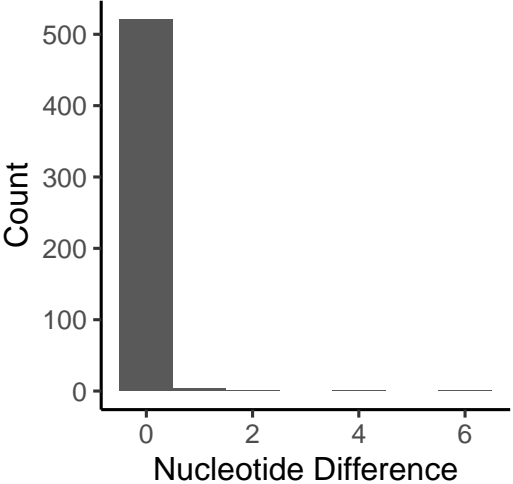
TRBV12-2\*ap01

197 sequences assigned  
195 (99%) exact matches, in which:  
191 unique CDR3  
13 unique J



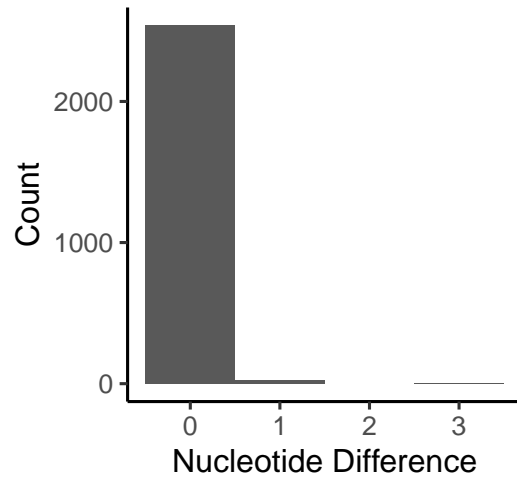
TRBV23-1\*ap01

527 sequences assigned  
521 (98.9%) exact matches, in which:  
514 unique CDR3  
13 unique J



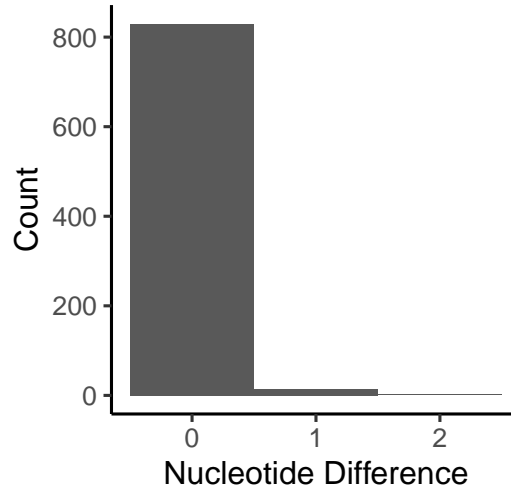
### TRBV3-12\*ap01

2563 sequences assigned  
2539 (99.1%) exact matches, in which:  
2505 unique CDR3  
13 unique J



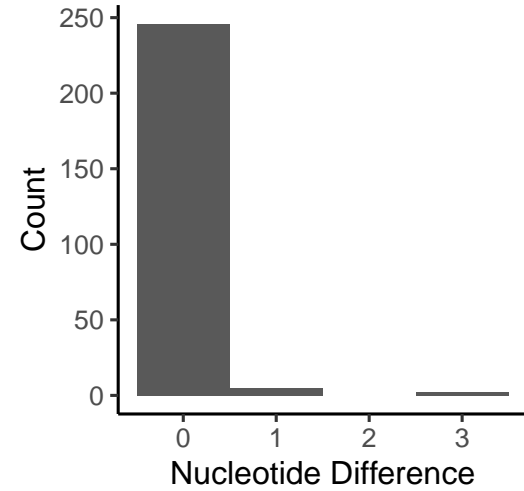
### TRBV4-2\*ap01

846 sequences assigned  
830 (98.1%) exact matches, in which:  
812 unique CDR3  
13 unique J



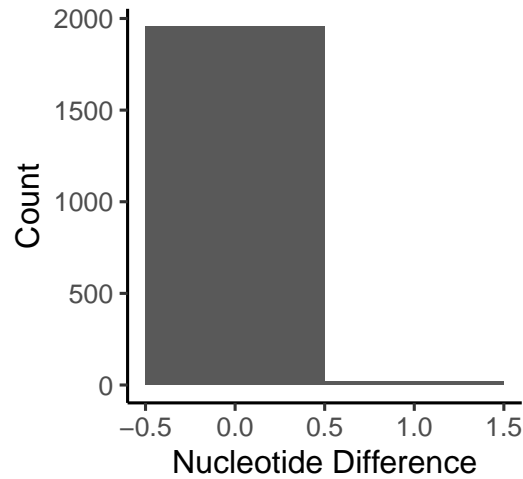
### TRBV5-3\*ap01

253 sequences assigned  
246 (97.2%) exact matches, in which:  
239 unique CDR3  
13 unique J



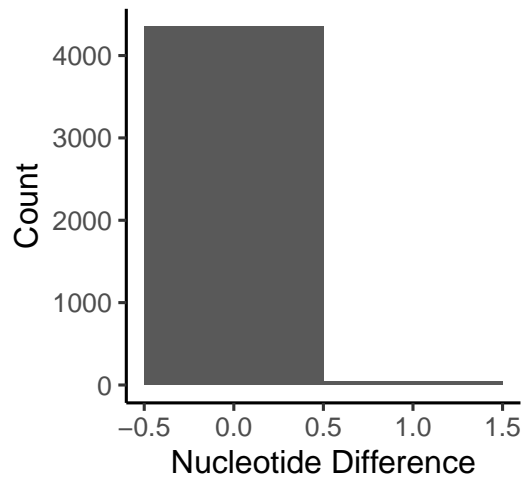
### TRBV4-1\*ap01

1974 sequences assigned  
1955 (99%) exact matches, in which:  
1913 unique CDR3  
13 unique J



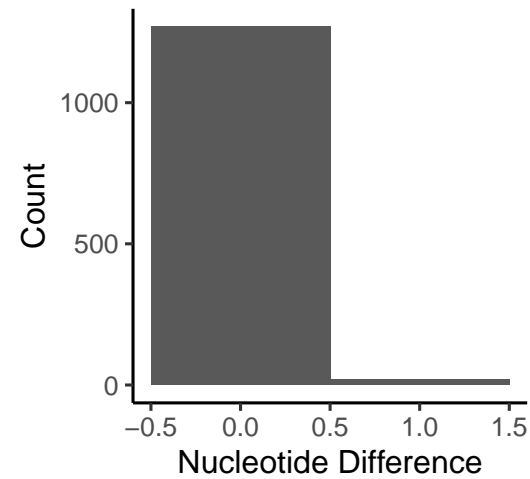
### TRBV5-1\*ap01

4387 sequences assigned  
4350 (99.2%) exact matches, in which:  
4246 unique CDR3  
13 unique J



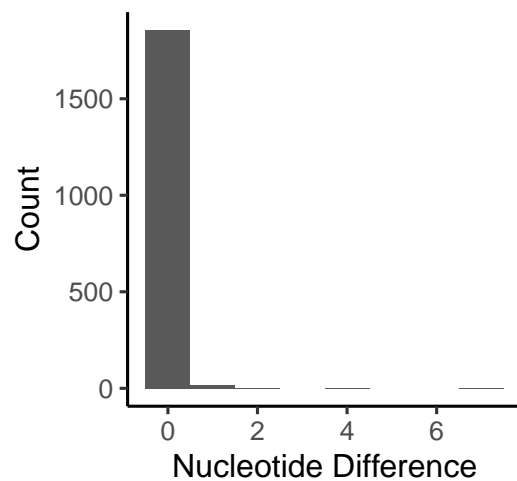
### TRBV5-4\*ap01

1287 sequences assigned  
1269 (98.6%) exact matches, in which:  
1243 unique CDR3  
13 unique J



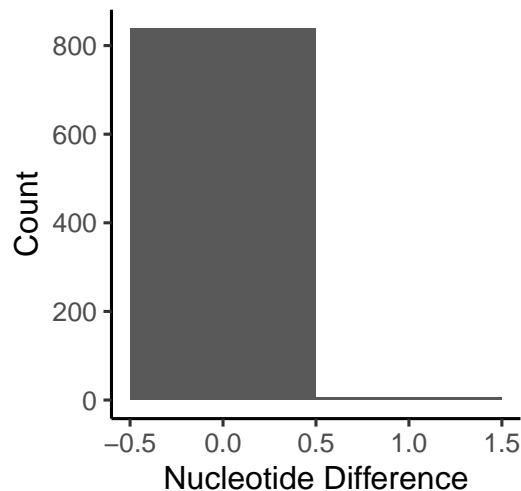
### TRBV24-1\*ap01

1876 sequences assigned  
1856 (98.9%) exact matches, in which:  
1815 unique CDR3  
13 unique J



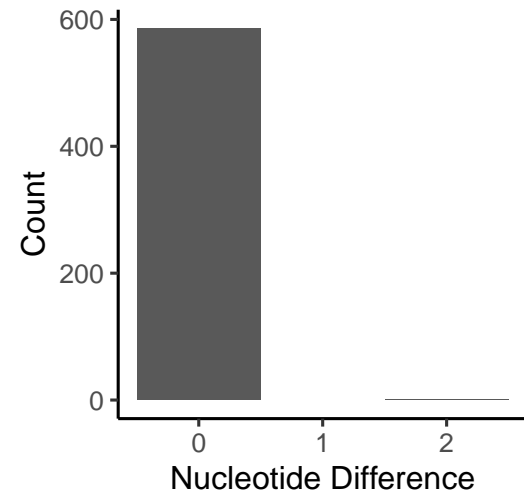
### TRBV25-1\*ap01

844 sequences assigned  
839 (99.4%) exact matches, in which:  
824 unique CDR3  
13 unique J



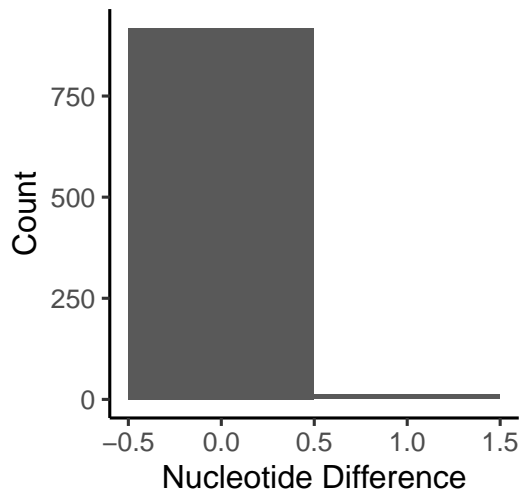
### TRBV5-5\*ap01

587 sequences assigned  
586 (99.8%) exact matches, in which:  
579 unique CDR3  
13 unique J



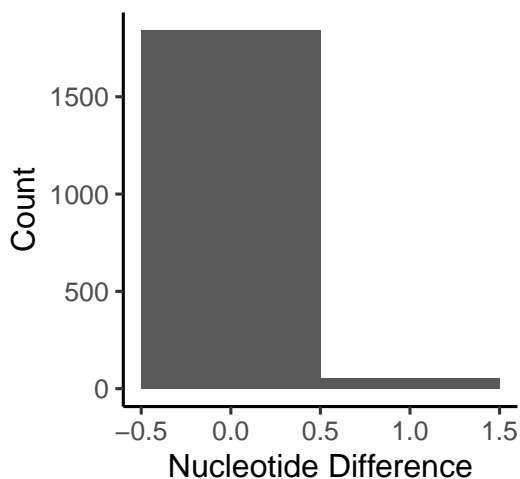
### TRBV5-6\*ap01

931 sequences assigned  
919 (98.7%) exact matches, in which:  
896 unique CDR3  
13 unique J



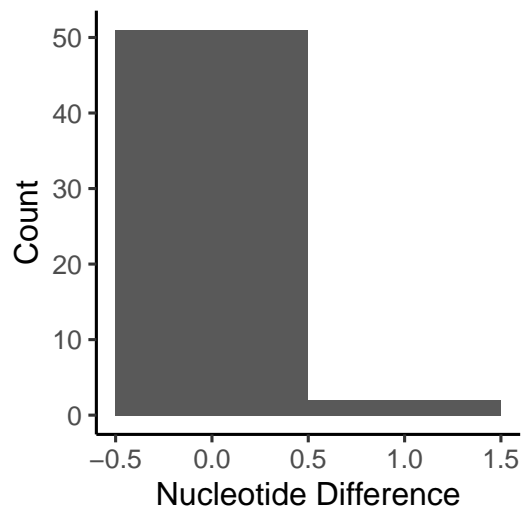
### TRBV6-1\*ap01

1896 sequences assigned  
1841 (97.1%) exact matches, in which:  
1804 unique CDR3  
13 unique J



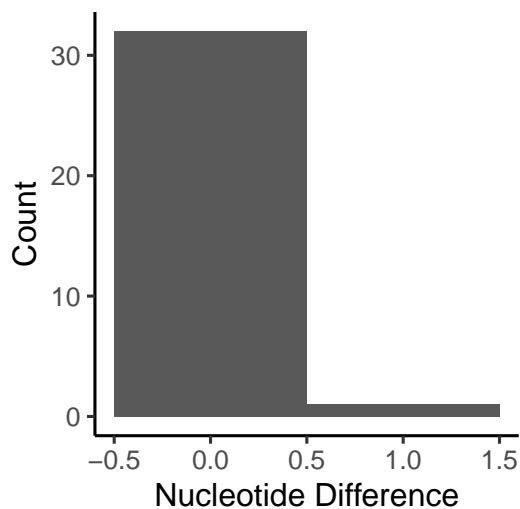
### TRBV6-8\*ap01

53 sequences assigned  
51 (96.2%) exact matches, in which:  
50 unique CDR3  
12 unique J



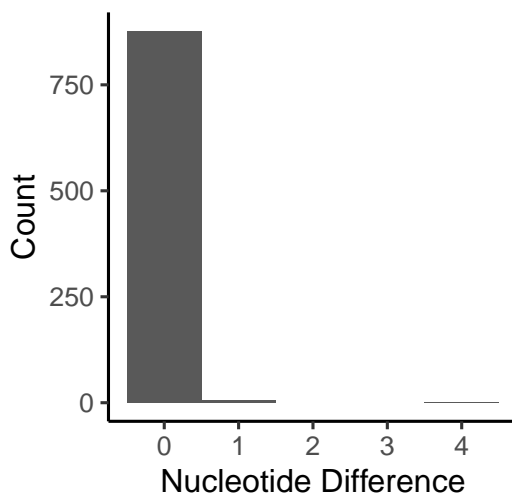
### TRBV5-7\*ap01

33 sequences assigned  
32 (97%) exact matches, in which:  
32 unique CDR3  
9 unique J



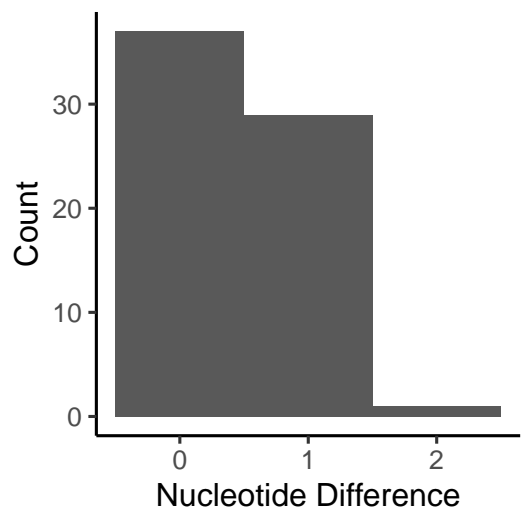
### TRBV6-4\*ap01

884 sequences assigned  
877 (99.2%) exact matches, in which:  
863 unique CDR3  
13 unique J



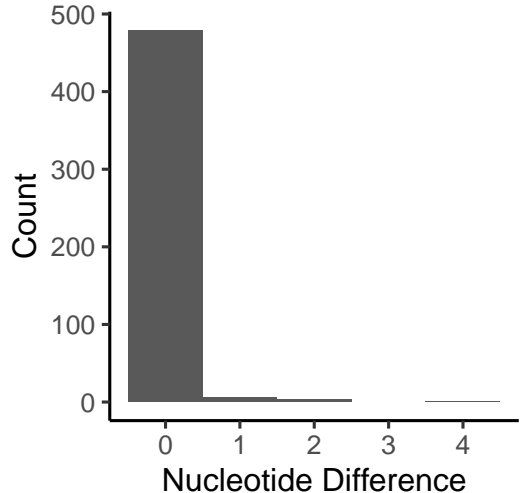
### TRBV6-9\*ap01

67 sequences assigned  
37 (55.2%) exact matches, in which:  
35 unique CDR3  
10 unique J



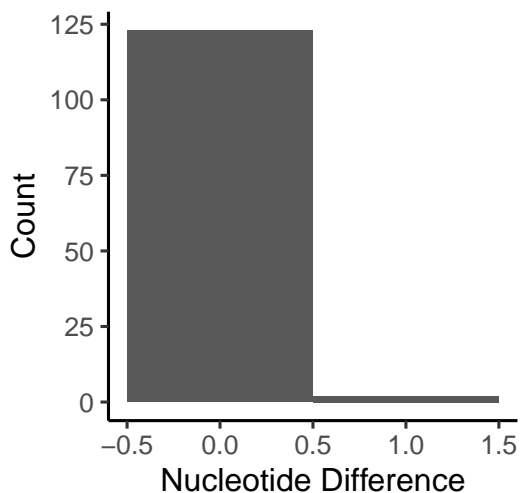
### TRBV5-8\*ap01

489 sequences assigned  
479 (98%) exact matches, in which:  
467 unique CDR3  
13 unique J



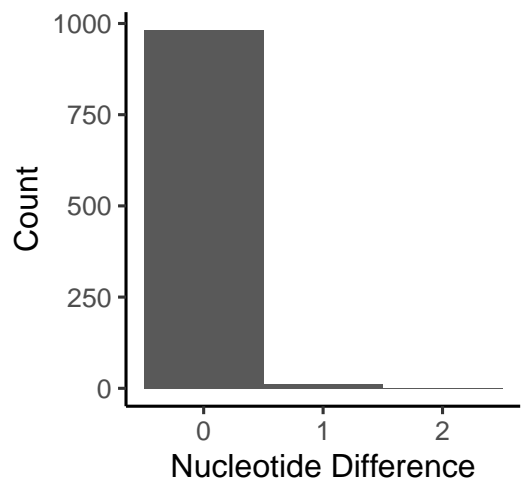
### TRBV6-7\*ap01

125 sequences assigned  
123 (98.4%) exact matches, in which:  
121 unique CDR3  
13 unique J



### TRBV6-23\*ap01

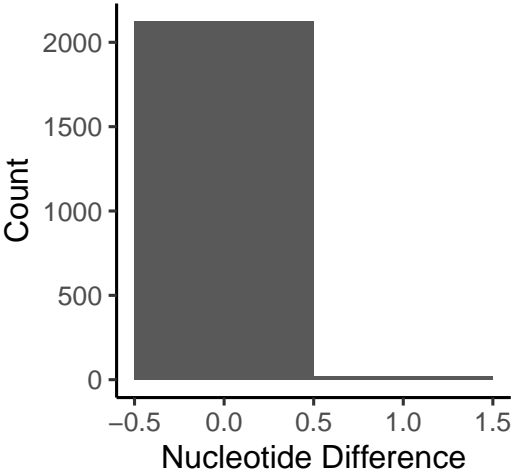
995 sequences assigned  
982 (98.7%) exact matches, in which:  
959 unique CDR3  
13 unique J





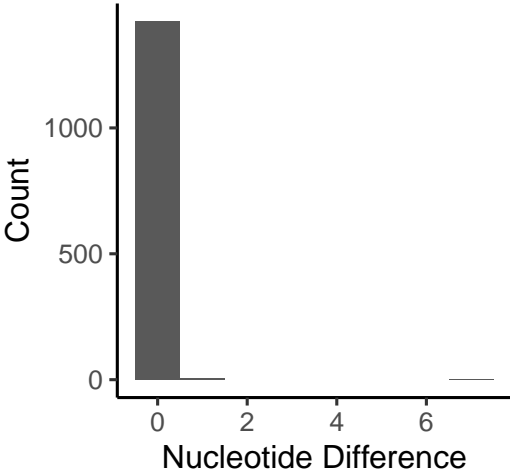
TRBV6-56\*ap01

2143 sequences assigned  
2124 (99.1%) exact matches, in which:  
2067 unique CDR3  
13 unique J



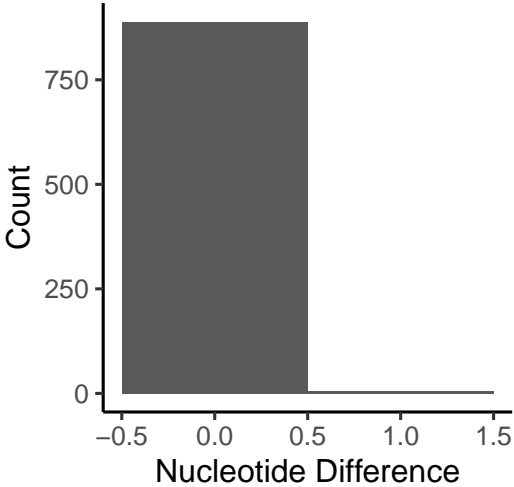
TRBV7-2\*ap01

1431 sequences assigned  
1423 (99.4%) exact matches, in which:  
1395 unique CDR3  
13 unique J



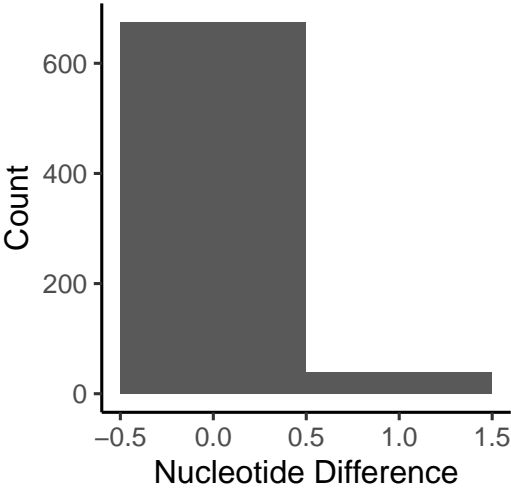
TRBV7-6\*ap01

895 sequences assigned  
889 (99.3%) exact matches, in which:  
868 unique CDR3  
13 unique J



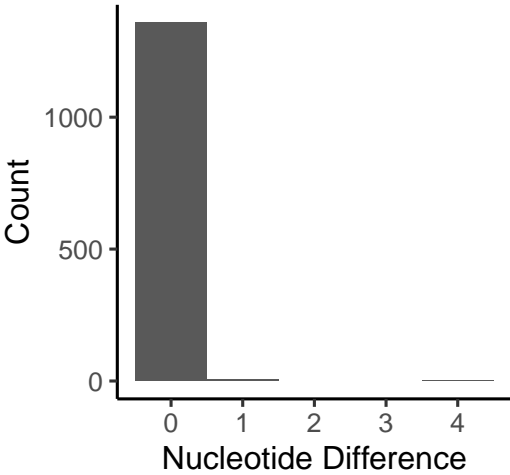
TRBV6-56\*ap02

714 sequences assigned  
675 (94.5%) exact matches, in which:  
667 unique CDR3  
13 unique J



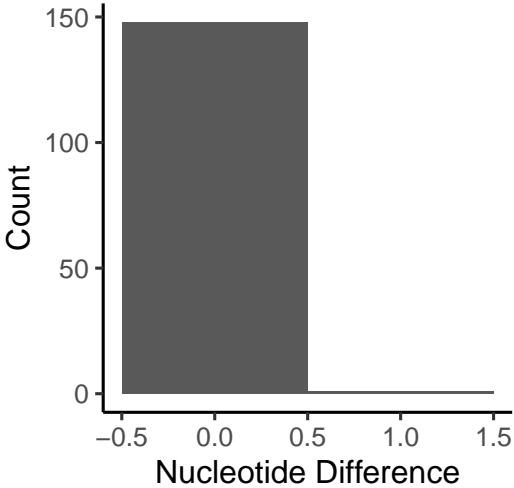
TRBV7-3\*ap01

1364 sequences assigned  
1358 (99.6%) exact matches, in which:  
1342 unique CDR3  
13 unique J



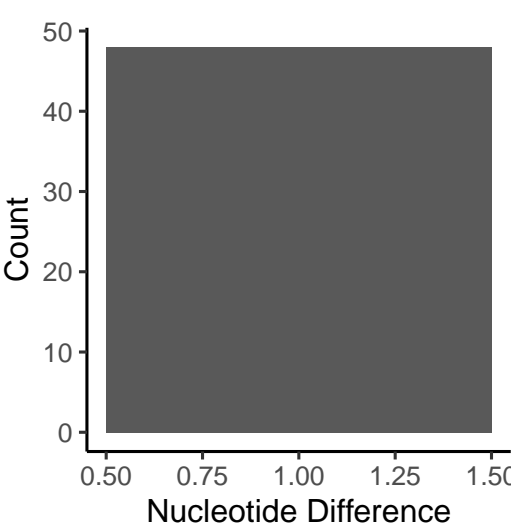
TRBV7-7\*ap01

149 sequences assigned  
148 (99.3%) exact matches, in which:  
146 unique CDR3  
12 unique J



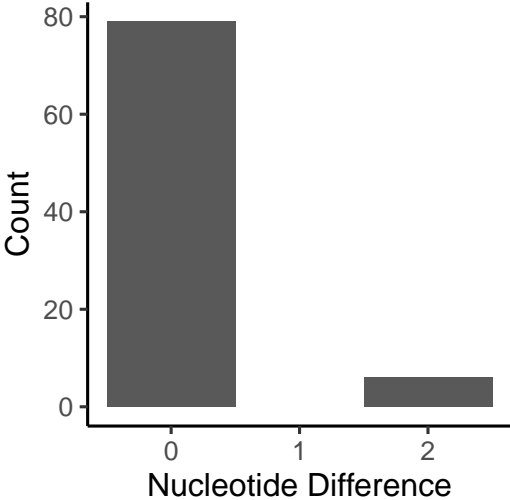
TRBV7-1\*ap01\_T296C

48 sequences assigned  
No exact matches.



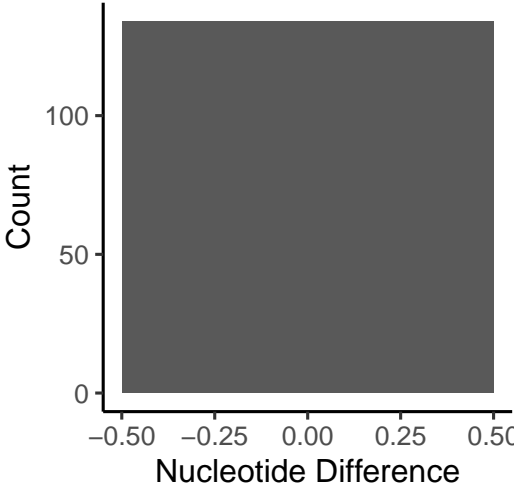
TRBV7-4\*ap01

85 sequences assigned  
79 (92.9%) exact matches, in which:  
77 unique CDR3  
12 unique J



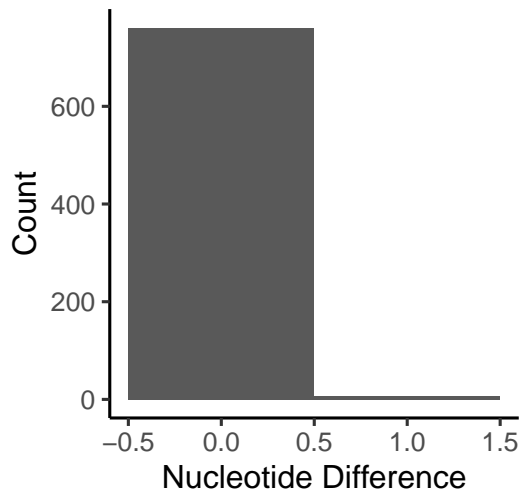
TRBV7-7\*ap01\_C315T

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



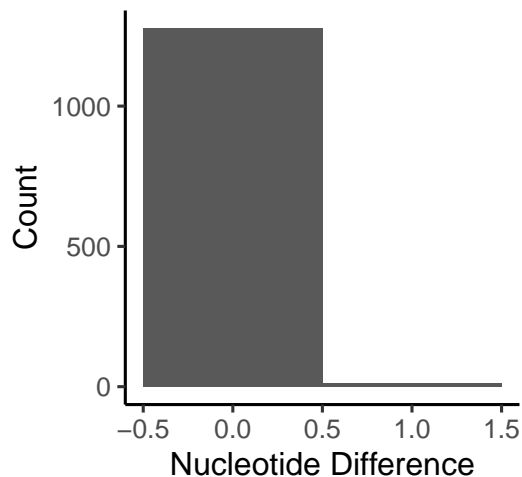
### TRBV7-8\*ap01

768 sequences assigned  
761 (99.1%) exact matches, in which:  
746 unique CDR3  
13 unique J



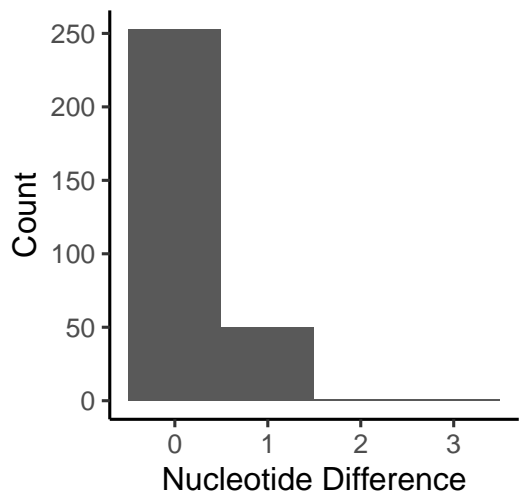
### TRBV29-1\*ap01

1290 sequences assigned  
1277 (99%) exact matches, in which:  
1239 unique CDR3  
13 unique J



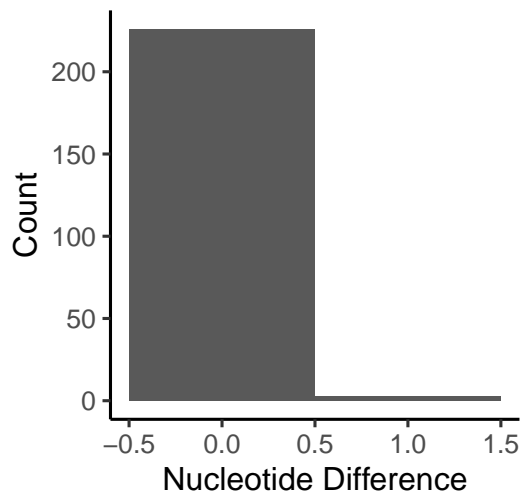
### TRBV7-8\*ap03

305 sequences assigned  
253 (83%) exact matches, in which:  
245 unique CDR3  
13 unique J



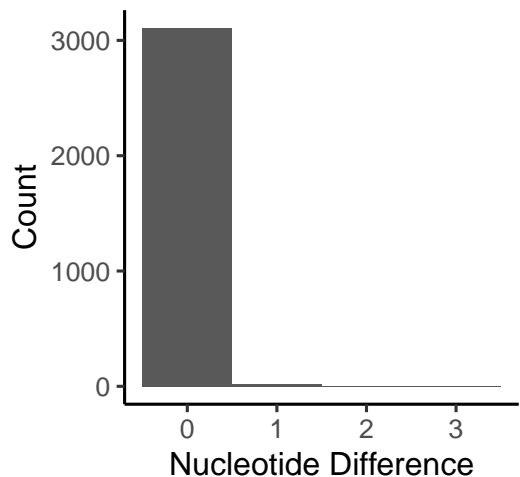
### TRBV29-1\*ap02

229 sequences assigned  
226 (98.7%) exact matches, in which:  
221 unique CDR3  
13 unique J



### TRBV7-9\*ap01

3131 sequences assigned  
3107 (99.2%) exact matches, in which:  
3054 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T

