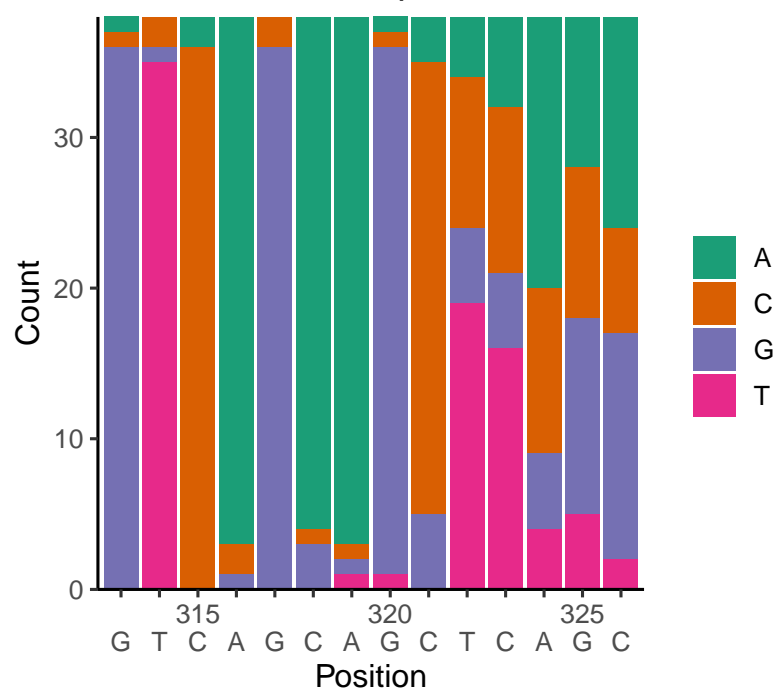
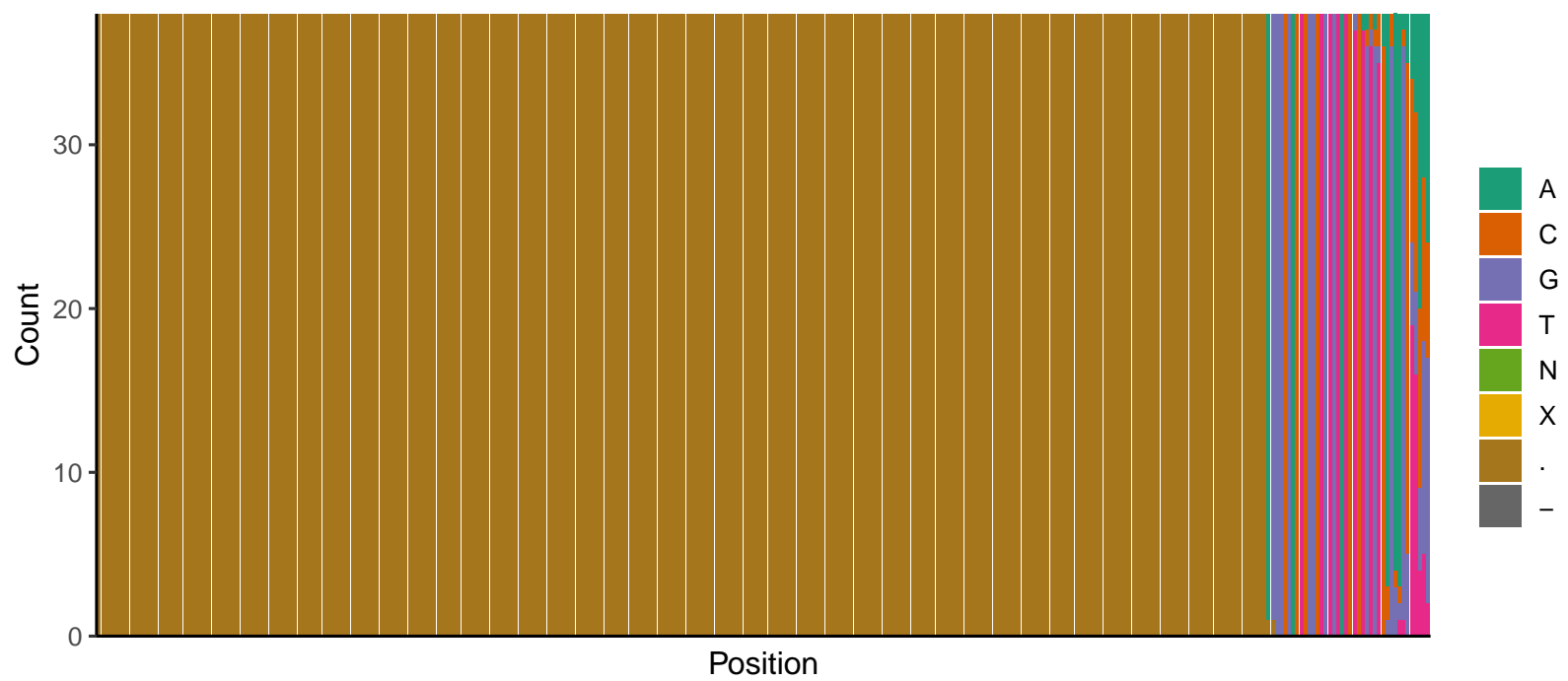


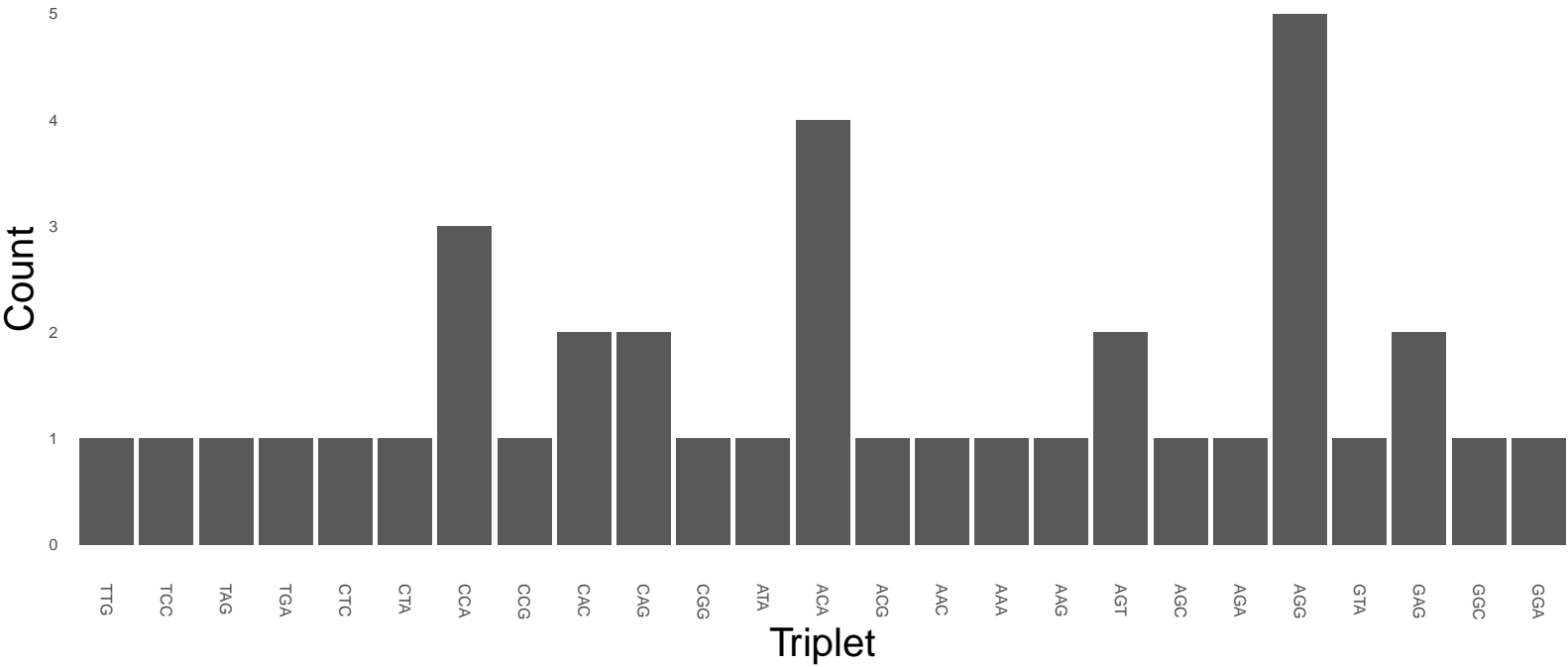
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T

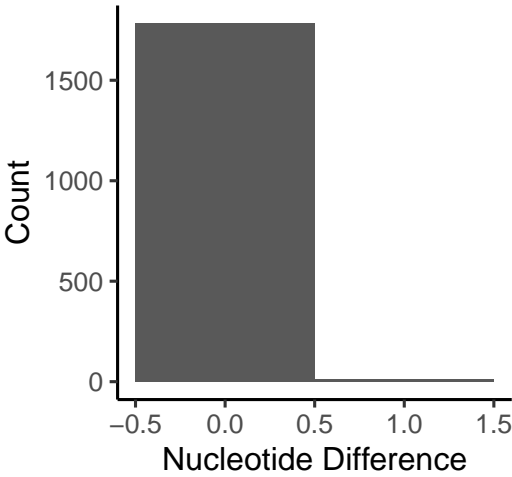


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



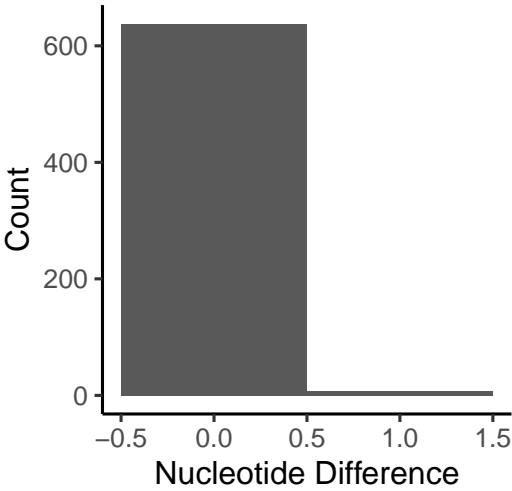
TRBV20-1\*ap01

1795 sequences assigned  
1783 (99.3%) exact matches, in which:  
1771 unique CDR3  
13 unique J



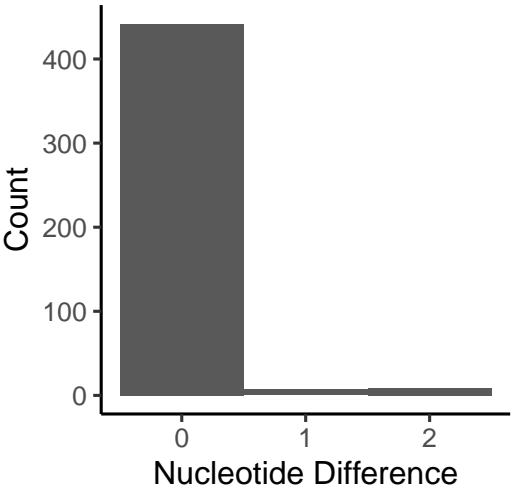
TRBV10-2\*ap01

646 sequences assigned  
638 (98.8%) exact matches, in which:  
627 unique CDR3  
13 unique J



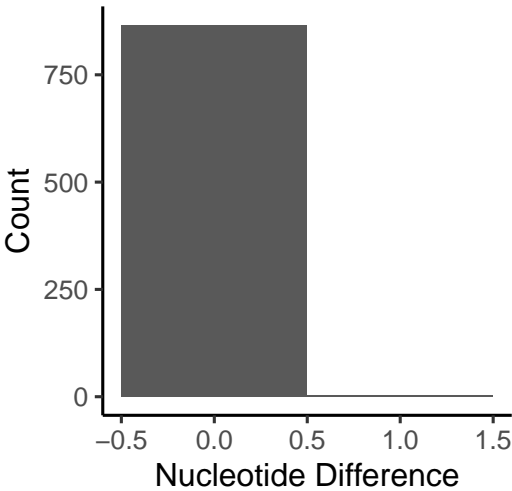
TRBV13\*ap01

458 sequences assigned  
442 (96.5%) exact matches, in which:  
440 unique CDR3  
13 unique J



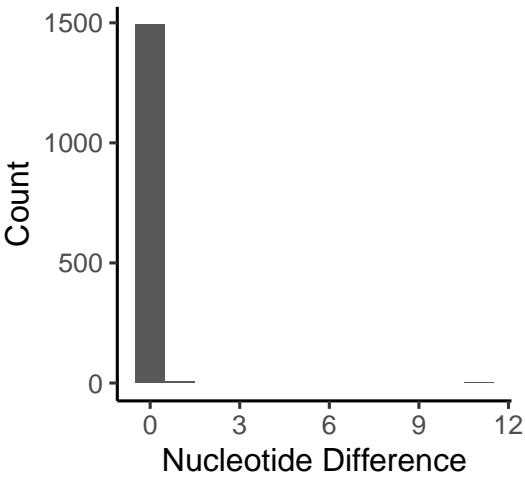
TRBV10-1\*ap01

870 sequences assigned  
866 (99.5%) exact matches, in which:  
860 unique CDR3  
13 unique J



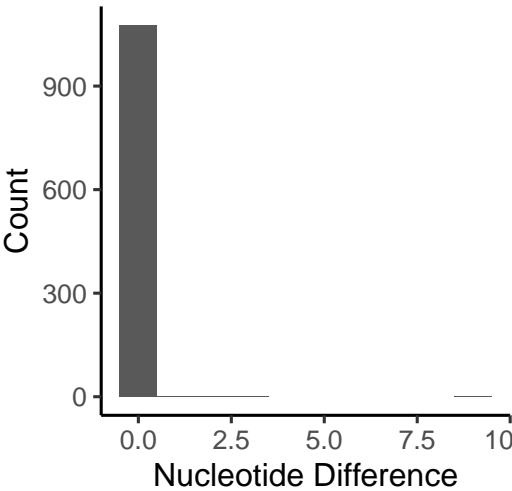
TRBV10-3\*ap01

1501 sequences assigned  
1492 (99.4%) exact matches, in which:  
1477 unique CDR3  
13 unique J



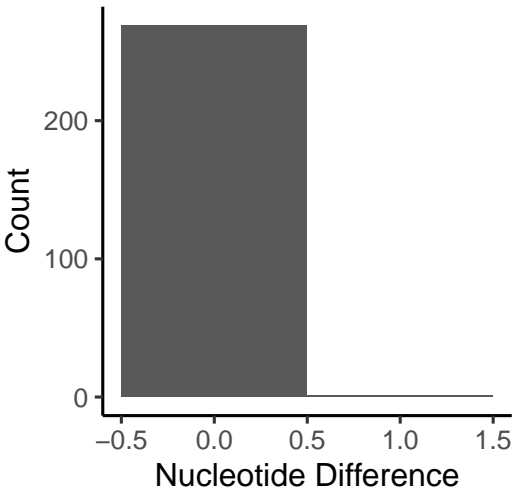
TRBV14\*ap01

1083 sequences assigned  
1077 (99.4%) exact matches, in which:  
1070 unique CDR3  
13 unique J



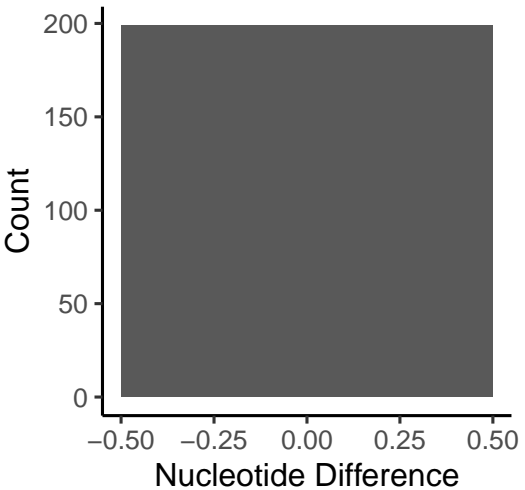
TRBV20-1\*ap02

270 sequences assigned  
269 (99.6%) exact matches, in which:  
268 unique CDR3  
12 unique J



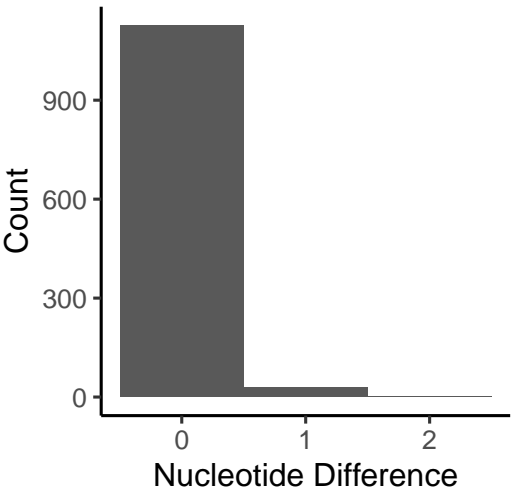
TRBV1\*ap01

199 sequences assigned  
199 (100%) exact matches, in which:  
197 unique CDR3  
13 unique J



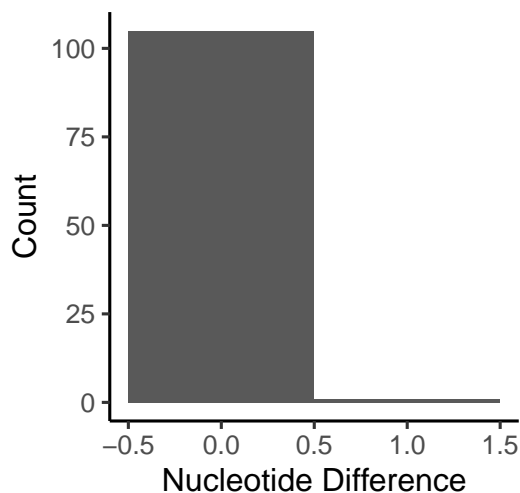
TRBV15\*ap02

1156 sequences assigned  
1127 (97.5%) exact matches, in which:  
1112 unique CDR3  
13 unique J



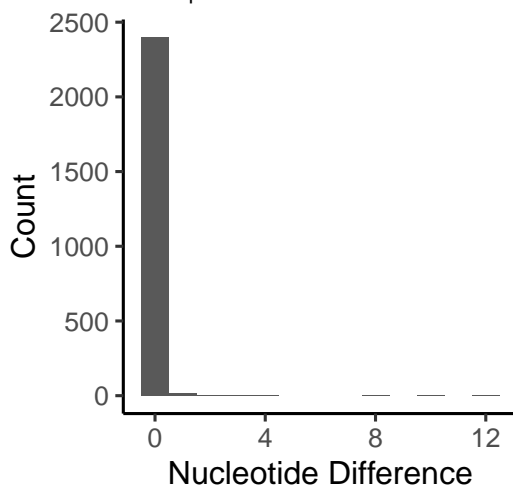
### TRBV16\*ap01

106 sequences assigned  
105 (99.1%) exact matches, in which:  
105 unique CDR3  
11 unique J



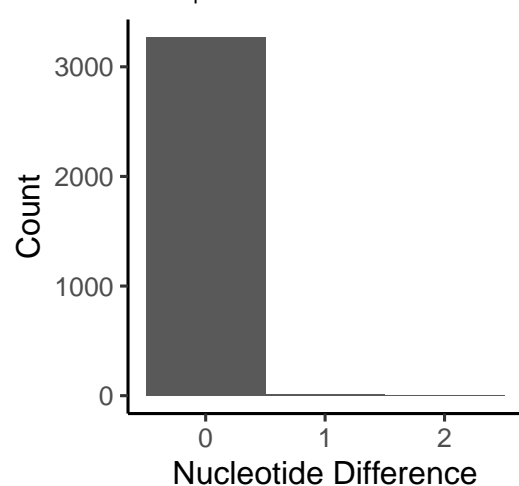
### TRBV19\*ap01

2419 sequences assigned  
2398 (99.1%) exact matches, in which:  
2386 unique CDR3  
13 unique J



### TRBV28\*ap01

3283 sequences assigned  
3268 (99.5%) exact matches, in which:  
3259 unique CDR3  
13 unique J



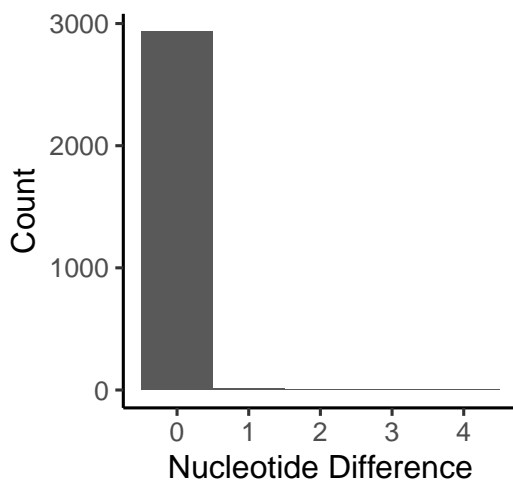
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



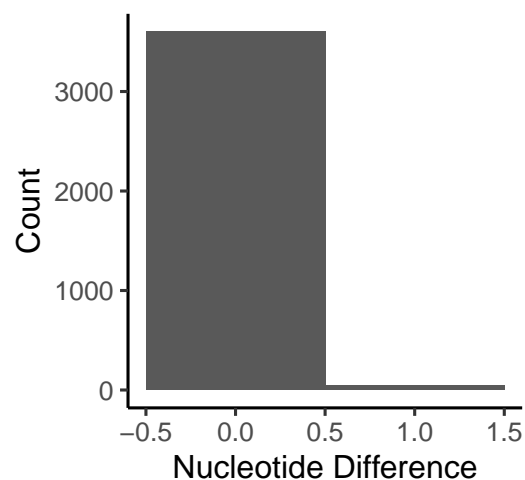
### TRBV2\*ap01

2947 sequences assigned  
2933 (99.5%) exact matches, in which:  
2916 unique CDR3  
13 unique J



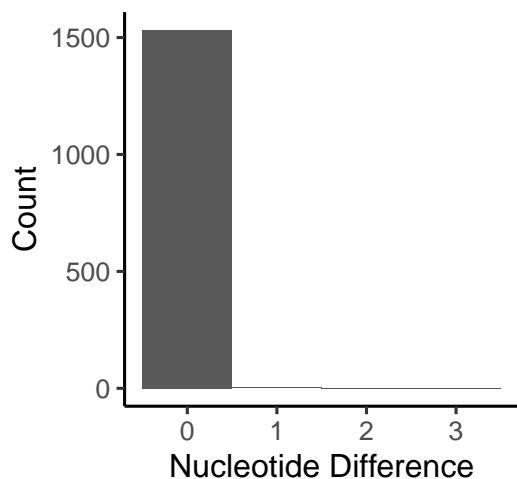
### TRBV30\*ap01

3647 sequences assigned  
3601 (98.7%) exact matches, in which:  
3560 unique CDR3  
13 unique J



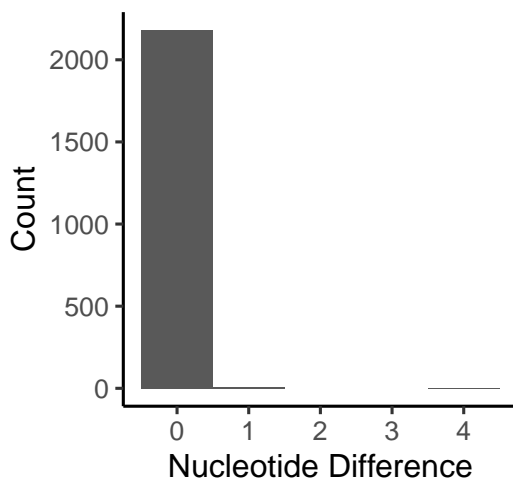
### TRBV18\*ap01

1537 sequences assigned  
1532 (99.7%) exact matches, in which:  
1527 unique CDR3  
13 unique J



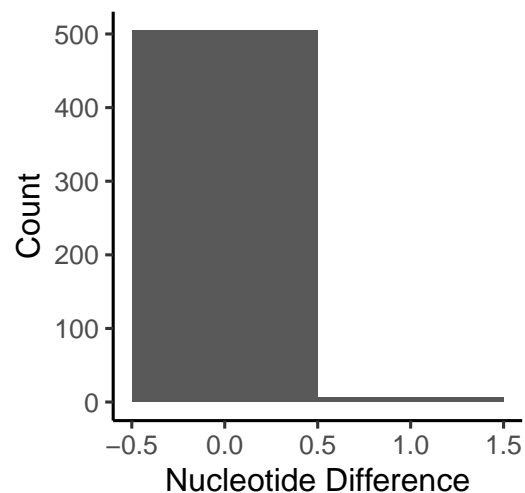
### TRBV27\*ap01

2190 sequences assigned  
2181 (99.6%) exact matches, in which:  
2160 unique CDR3  
13 unique J



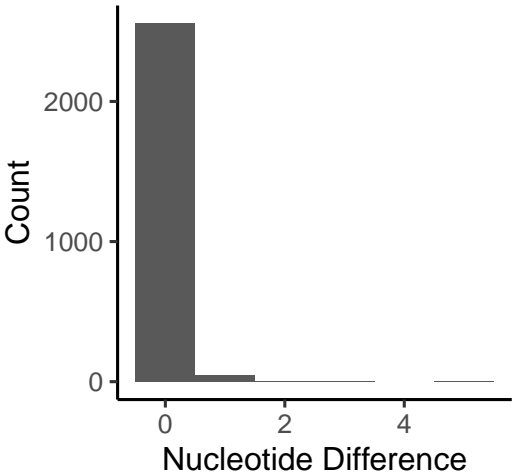
### TRBV30\*ap03

511 sequences assigned  
505 (98.8%) exact matches, in which:  
498 unique CDR3  
13 unique J



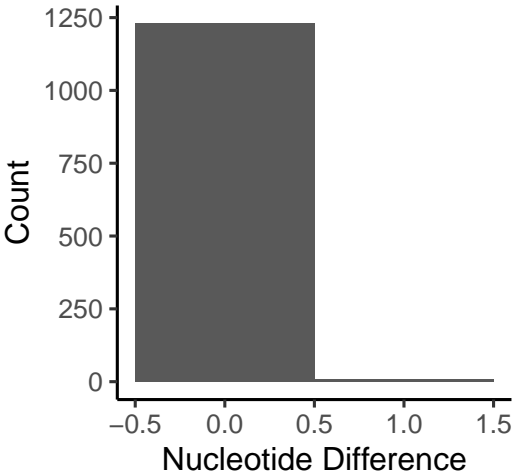
TRBV9\*ap01

2607 sequences assigned  
2557 (98.1%) exact matches, in which:  
2541 unique CDR3  
13 unique J



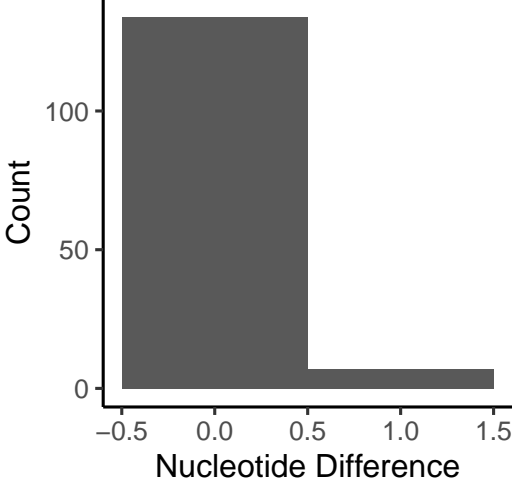
TRBV11-2\*ap01

1238 sequences assigned  
1230 (99.4%) exact matches, in which:  
1224 unique CDR3  
13 unique J



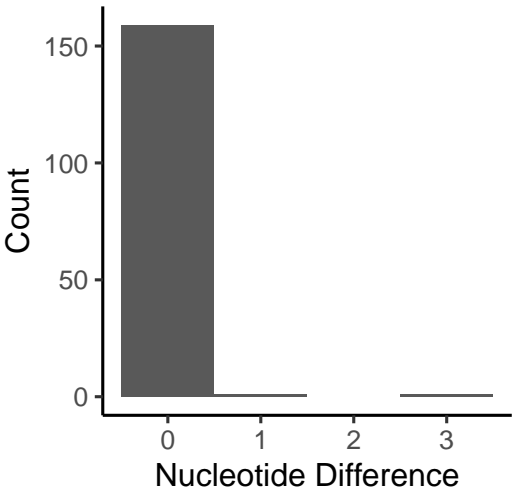
TRBV12-2\*ap01

141 sequences assigned  
134 (95%) exact matches, in which:  
133 unique CDR3  
13 unique J



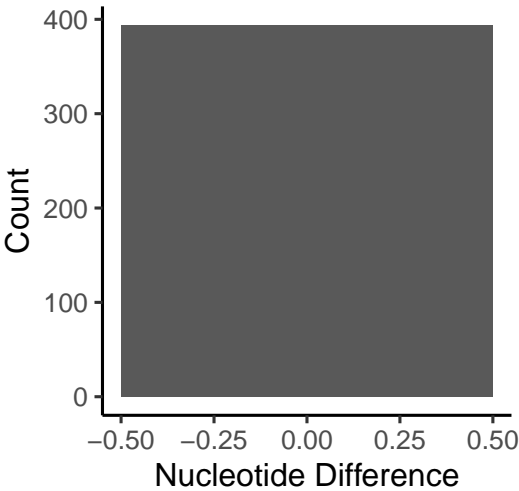
TRBV11-1\*ap01

161 sequences assigned  
159 (98.8%) exact matches, in which:  
158 unique CDR3  
12 unique J



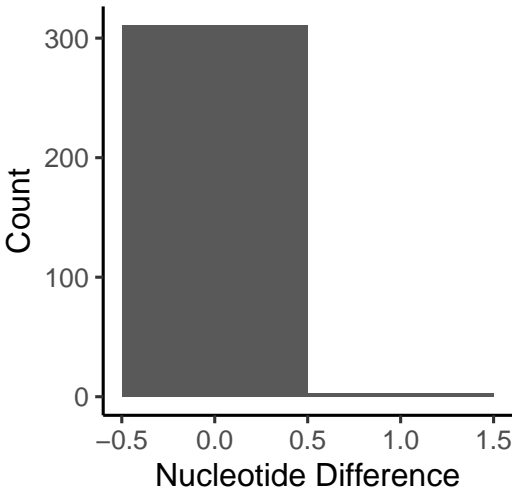
TRBV11-3\*ap01

394 sequences assigned  
394 (100%) exact matches, in which:  
393 unique CDR3  
13 unique J



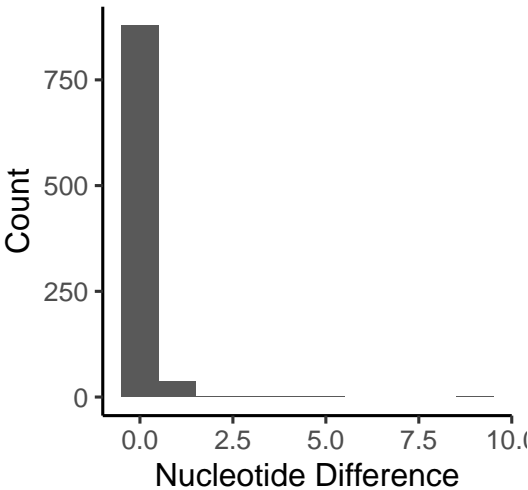
TRBV12-5\*ap01

314 sequences assigned  
311 (99%) exact matches, in which:  
310 unique CDR3  
12 unique J



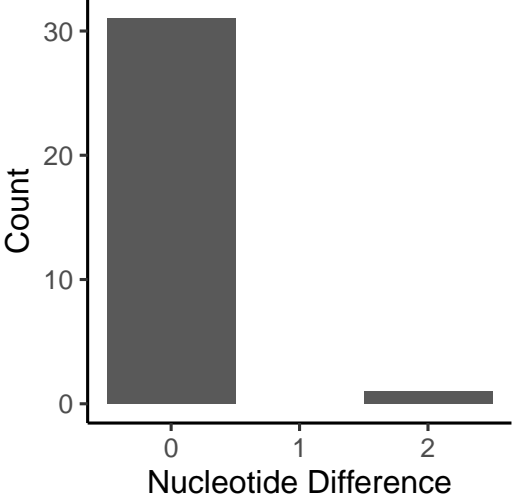
TRBV21-1\*ap01

921 sequences assigned  
879 (95.4%) exact matches, in which:  
875 unique CDR3  
13 unique J



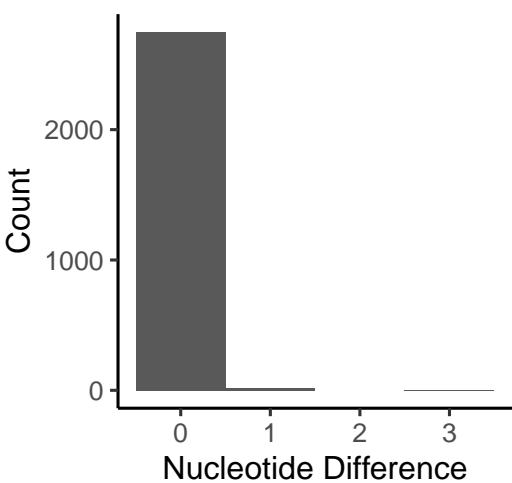
TRBV12-1\*ap01

32 sequences assigned  
31 (96.9%) exact matches, in which:  
31 unique CDR3  
8 unique J



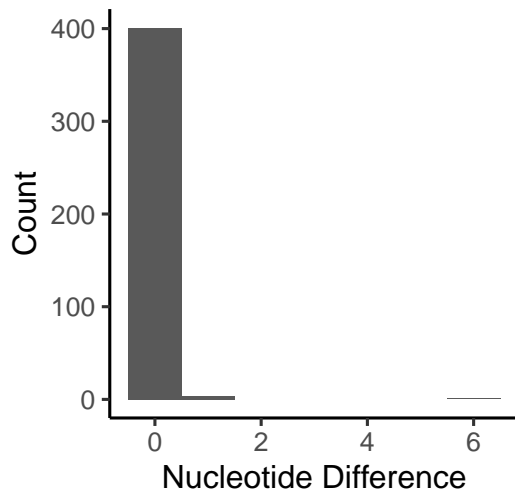
TRBV12-34\*ap01

2768 sequences assigned  
2749 (99.3%) exact matches, in which:  
2737 unique CDR3  
13 unique J



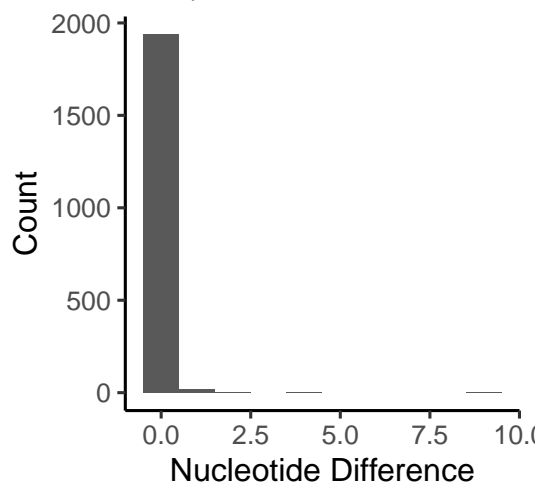
### TRBV23–1\*ap01

406 sequences assigned  
401 (98.8%) exact matches, in which:  
398 unique CDR3  
13 unique J



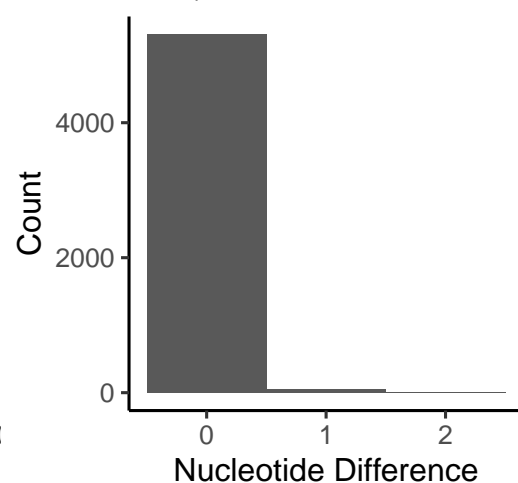
### TRBV24–1\*ap01

1961 sequences assigned  
1938 (98.8%) exact matches, in which:  
1921 unique CDR3  
13 unique J



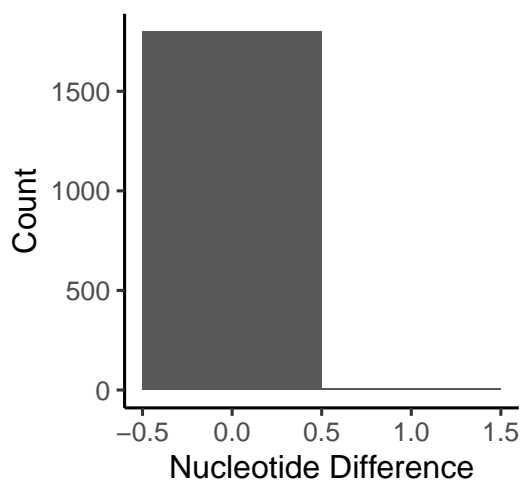
### TRBV5–1\*ap01

5361 sequences assigned  
5308 (99%) exact matches, in which:  
5280 unique CDR3  
13 unique J



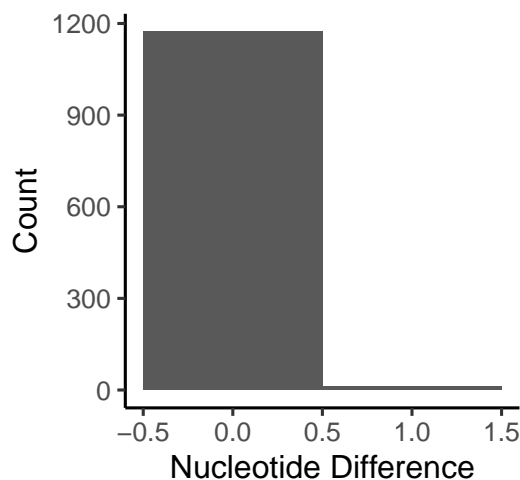
### TRBV3–12\*ap01

1809 sequences assigned  
1799 (99.4%) exact matches, in which:  
1791 unique CDR3  
13 unique J



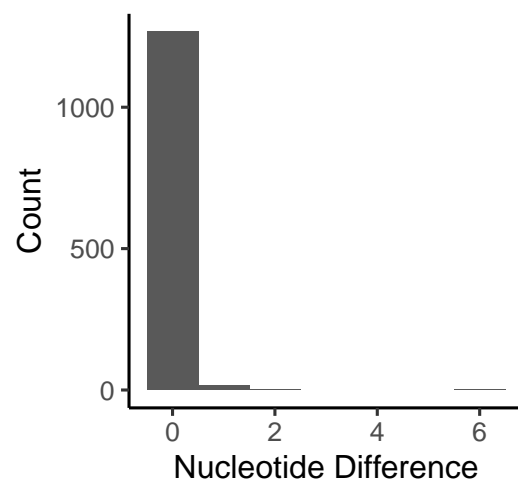
### TRBV4–2\*ap01

1183 sequences assigned  
1173 (99.2%) exact matches, in which:  
1162 unique CDR3  
13 unique J



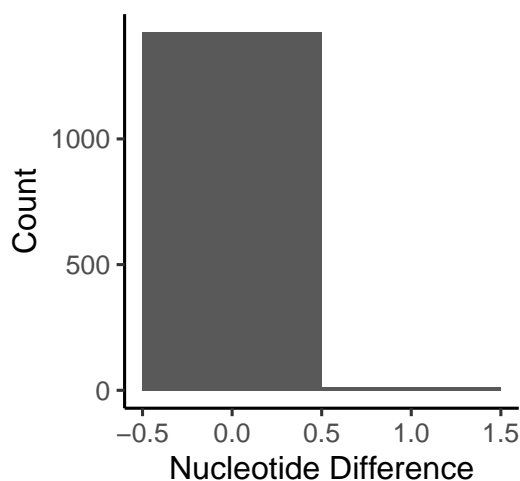
### TRBV25–1\*ap01

1285 sequences assigned  
1267 (98.6%) exact matches, in which:  
1250 unique CDR3  
13 unique J



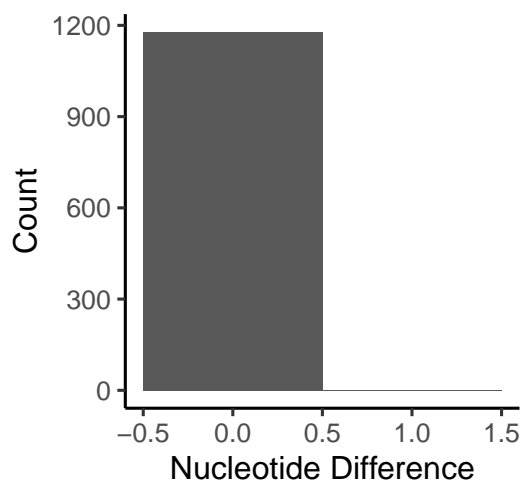
### TRBV4–1\*ap01

1437 sequences assigned  
1425 (99.2%) exact matches, in which:  
1413 unique CDR3  
13 unique J



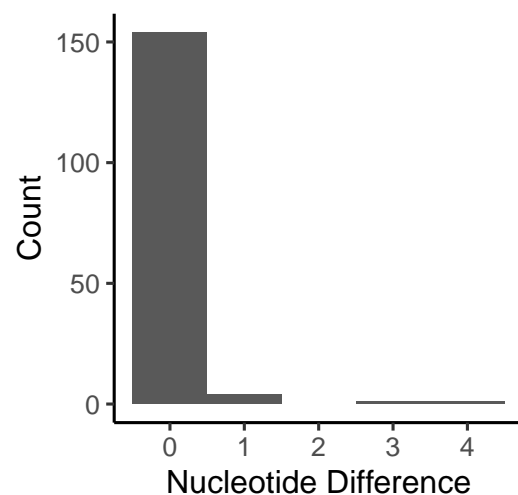
### TRBV4–3\*ap01

1180 sequences assigned  
1178 (99.8%) exact matches, in which:  
1168 unique CDR3  
13 unique J



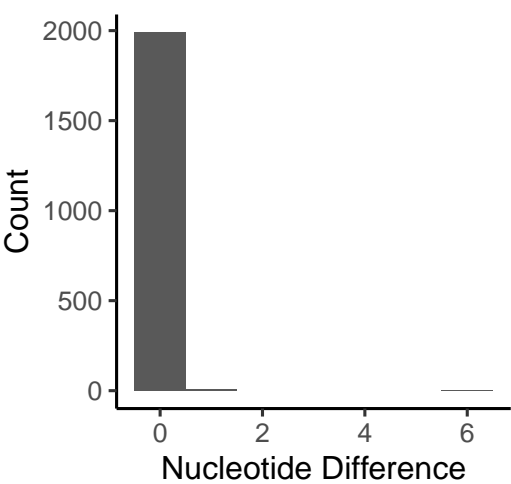
### TRBV5–3\*ap01

160 sequences assigned  
154 (96.2%) exact matches, in which:  
152 unique CDR3  
12 unique J



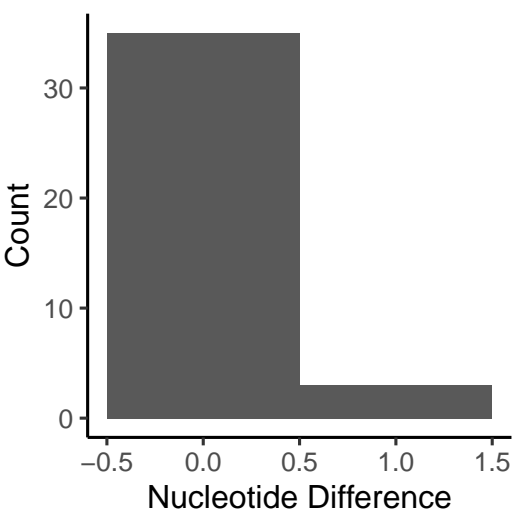
TRBV5-4\*ap01

2000 sequences assigned  
1990 (99.5%) exact matches, in which:  
1980 unique CDR3  
13 unique J



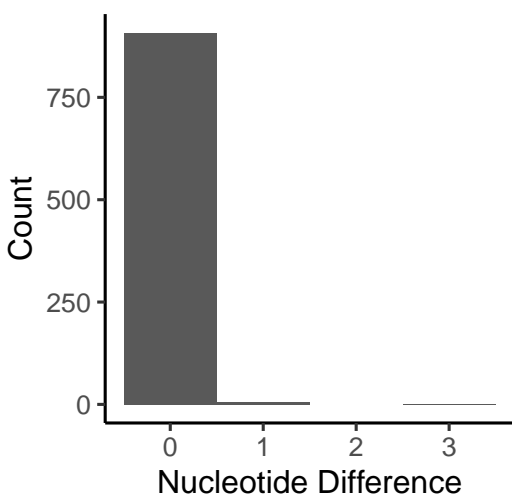
TRBV5-7\*ap01

38 sequences assigned  
35 (92.1%) exact matches, in which:  
35 unique CDR3  
10 unique J



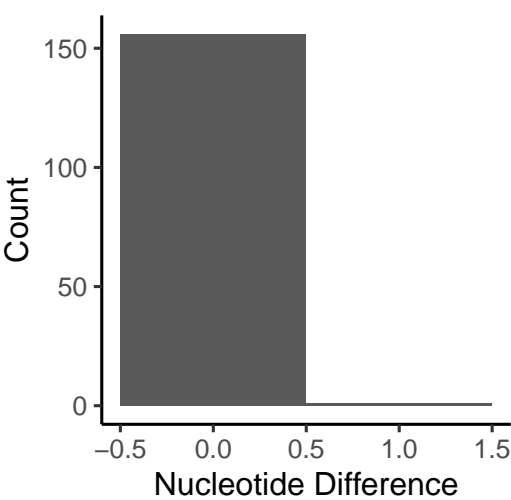
TRBV6-4\*ap01

914 sequences assigned  
908 (99.3%) exact matches, in which:  
903 unique CDR3  
13 unique J



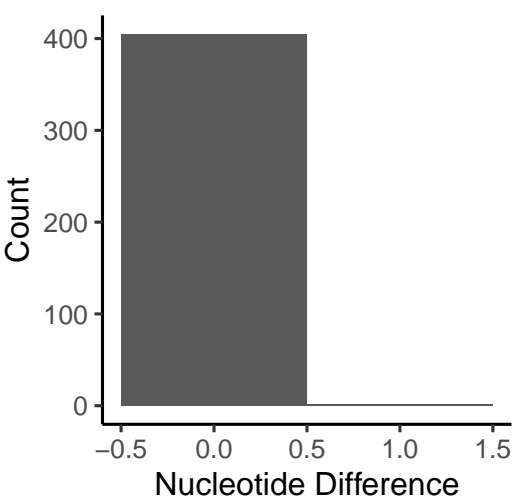
TRBV5-5\*ap01

157 sequences assigned  
156 (99.4%) exact matches, in which:  
156 unique CDR3  
13 unique J



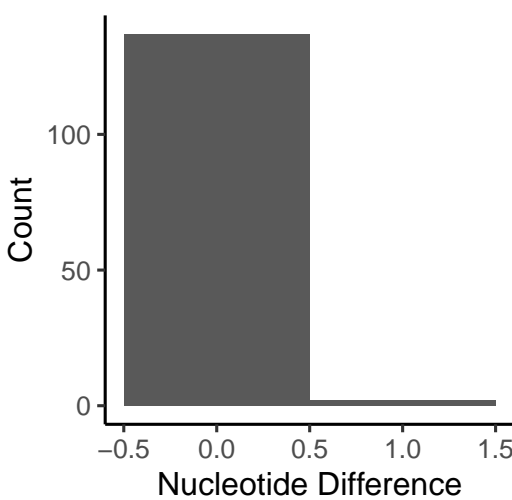
TRBV5-8\*ap01

407 sequences assigned  
405 (99.5%) exact matches, in which:  
403 unique CDR3  
13 unique J



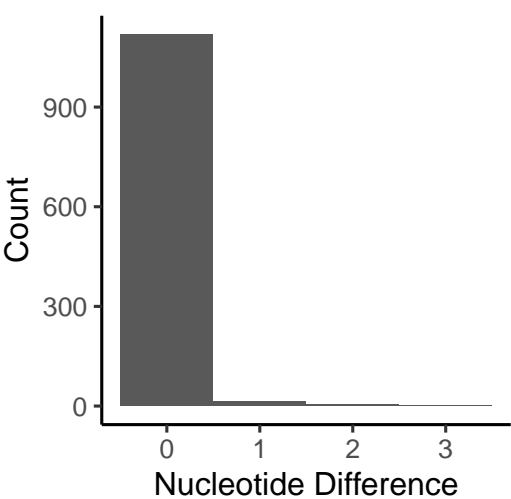
TRBV6-7\*ap01

139 sequences assigned  
137 (98.6%) exact matches, in which:  
136 unique CDR3  
12 unique J



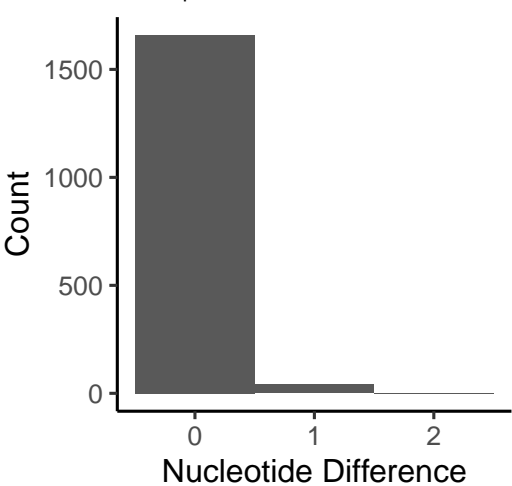
TRBV5-6\*ap01

1138 sequences assigned  
1119 (98.3%) exact matches, in which:  
1109 unique CDR3  
13 unique J



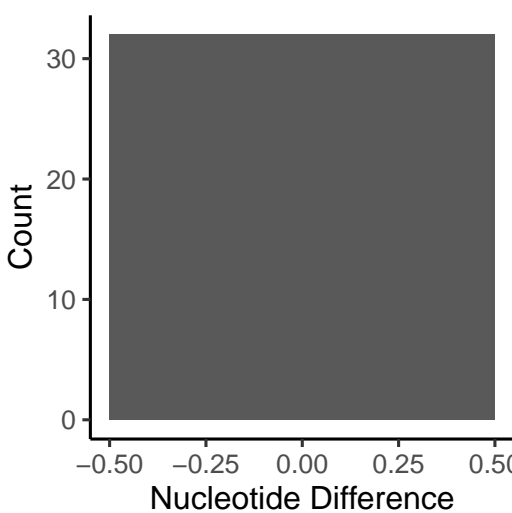
TRBV6-1\*ap01

1701 sequences assigned  
1659 (97.5%) exact matches, in which:  
1641 unique CDR3  
13 unique J



TRBV6-8\*ap01

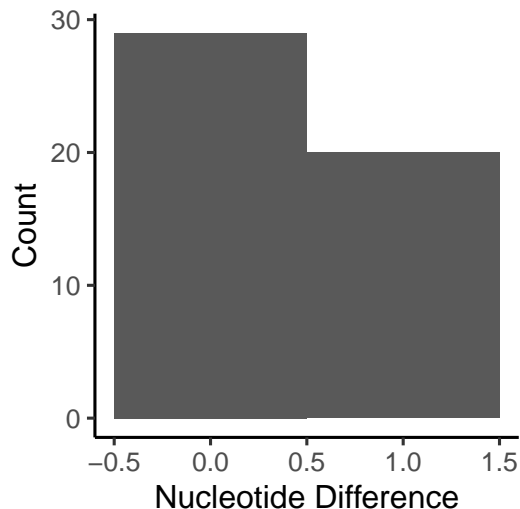
32 sequences assigned  
32 (100%) exact matches, in which:  
32 unique CDR3  
10 unique J





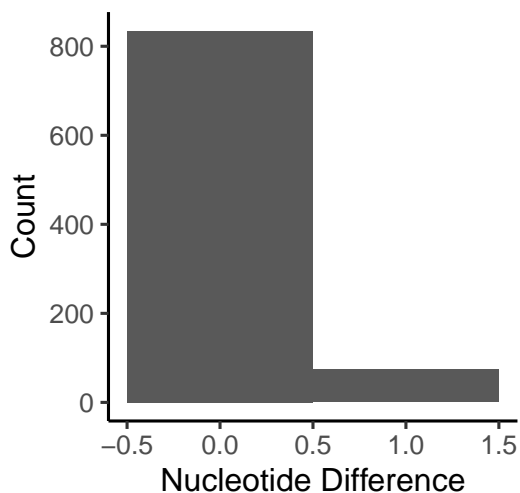
### TRBV6–9\*ap01

49 sequences assigned  
29 (59.2%) exact matches, in which:  
29 unique CDR3  
10 unique J



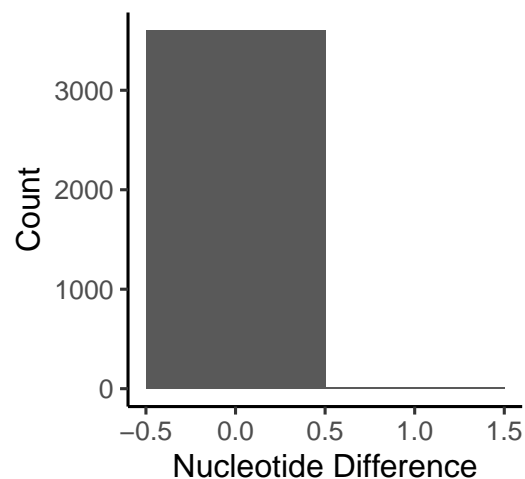
### TRBV6–56\*ap02

909 sequences assigned  
835 (91.9%) exact matches, in which:  
832 unique CDR3  
13 unique J



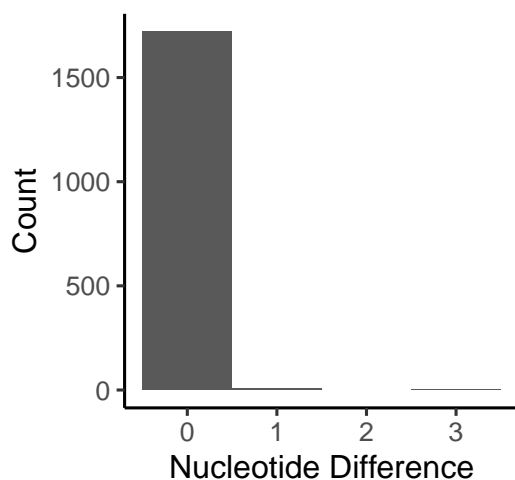
### TRBV7–2\*ap01

3614 sequences assigned  
3602 (99.7%) exact matches, in which:  
3572 unique CDR3  
13 unique J



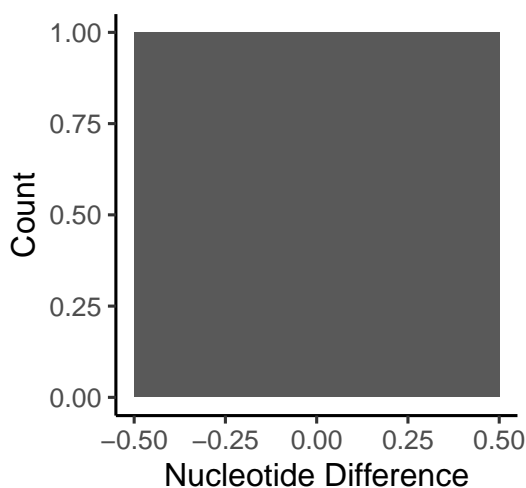
### TRBV6–23\*ap01

1728 sequences assigned  
1720 (99.5%) exact matches, in which:  
1705 unique CDR3  
13 unique J



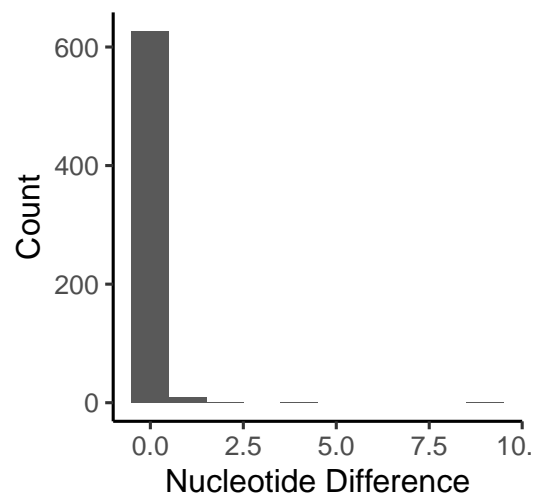
### TRBV7–1\*ap01

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



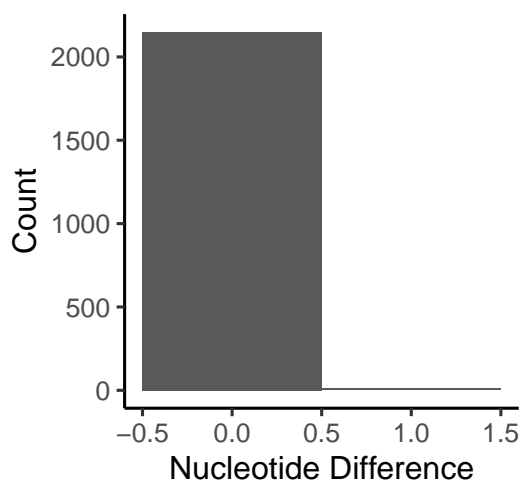
### TRBV7–3\*ap01

639 sequences assigned  
627 (98.1%) exact matches, in which:  
623 unique CDR3  
13 unique J



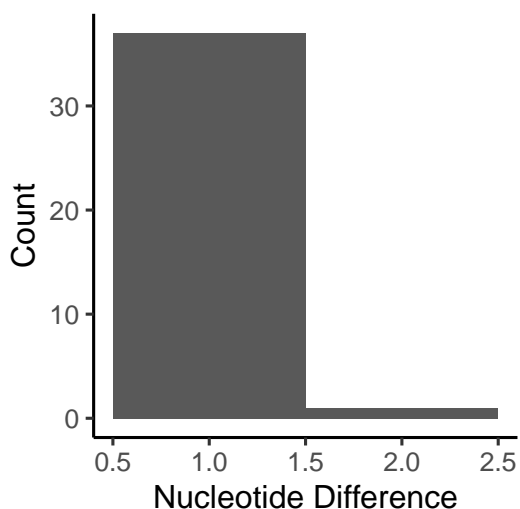
### TRBV6–56\*ap01

2160 sequences assigned  
2149 (99.5%) exact matches, in which:  
2132 unique CDR3  
13 unique J



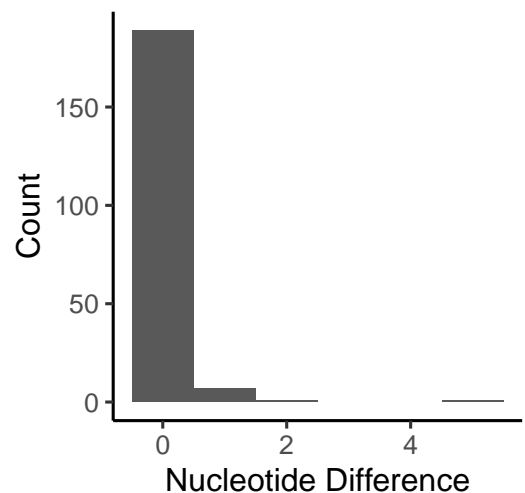
### TRBV7–1\*ap01\_T296C\_C

38 sequences assigned  
No exact matches.



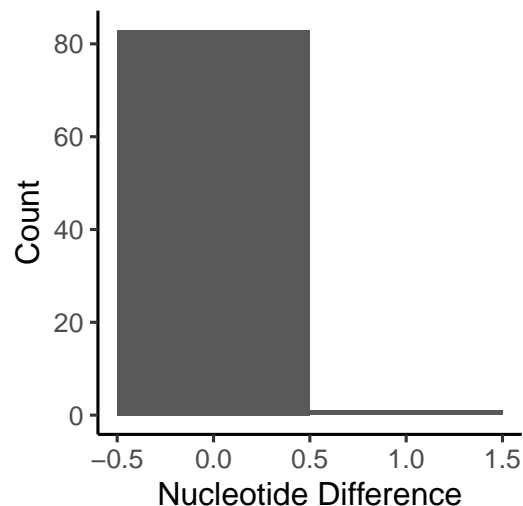
### TRBV7–3\*ap03

198 sequences assigned  
189 (95.5%) exact matches, in which:  
186 unique CDR3  
12 unique J



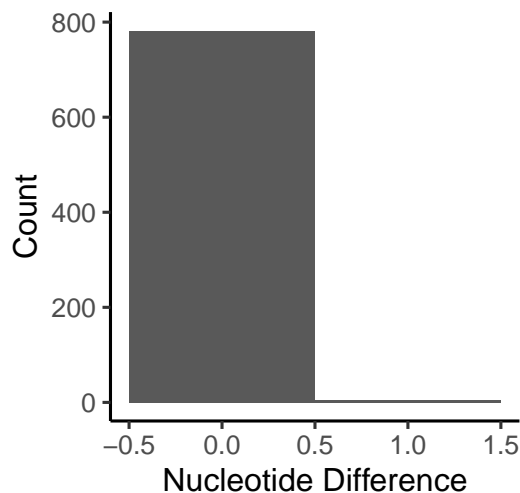
### TRBV7-4\*ap01

84 sequences assigned  
83 (98.8%) exact matches, in which:  
82 unique CDR3  
12 unique J



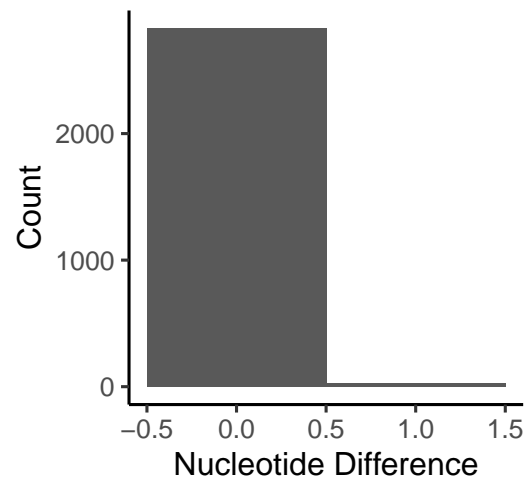
### TRBV7-8\*ap01

787 sequences assigned  
782 (99.4%) exact matches, in which:  
778 unique CDR3  
13 unique J



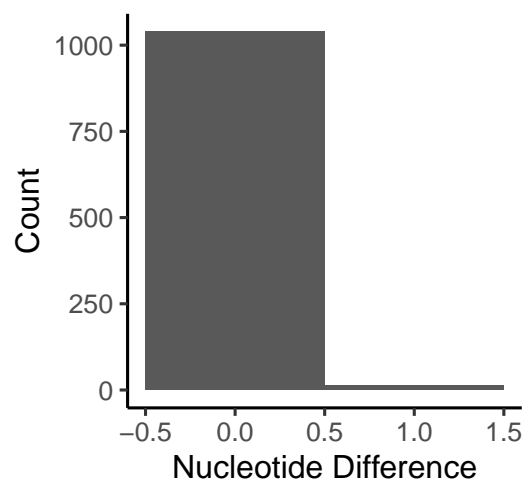
### TRBV29-1\*ap01

2861 sequences assigned  
2831 (99%) exact matches, in which:  
2785 unique CDR3  
13 unique J



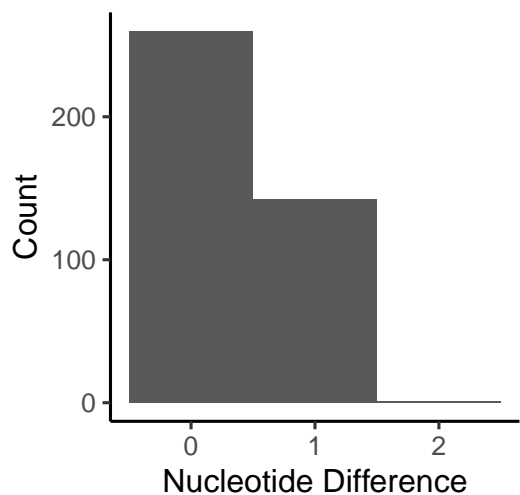
### TRBV7-6\*ap01

1052 sequences assigned  
1039 (98.8%) exact matches, in which:  
1031 unique CDR3  
13 unique J



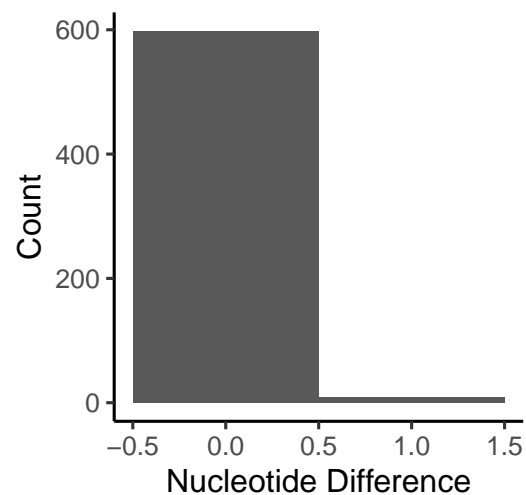
### TRBV7-8\*ap03

403 sequences assigned  
260 (64.5%) exact matches, in which:  
256 unique CDR3  
12 unique J



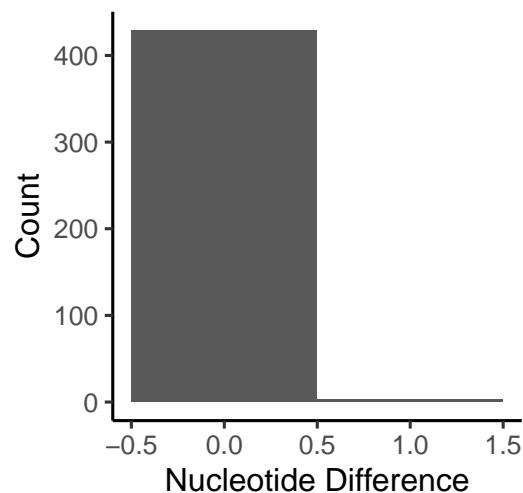
### TRBV29-1\*ap02

607 sequences assigned  
598 (98.5%) exact matches, in which:  
591 unique CDR3  
13 unique J



### TRBV7-7\*ap01

432 sequences assigned  
429 (99.3%) exact matches, in which:  
423 unique CDR3  
13 unique J



### TRBV7-9\*ap01

2759 sequences assigned  
2715 (98.4%) exact matches, in which:  
2703 unique CDR3  
13 unique J

