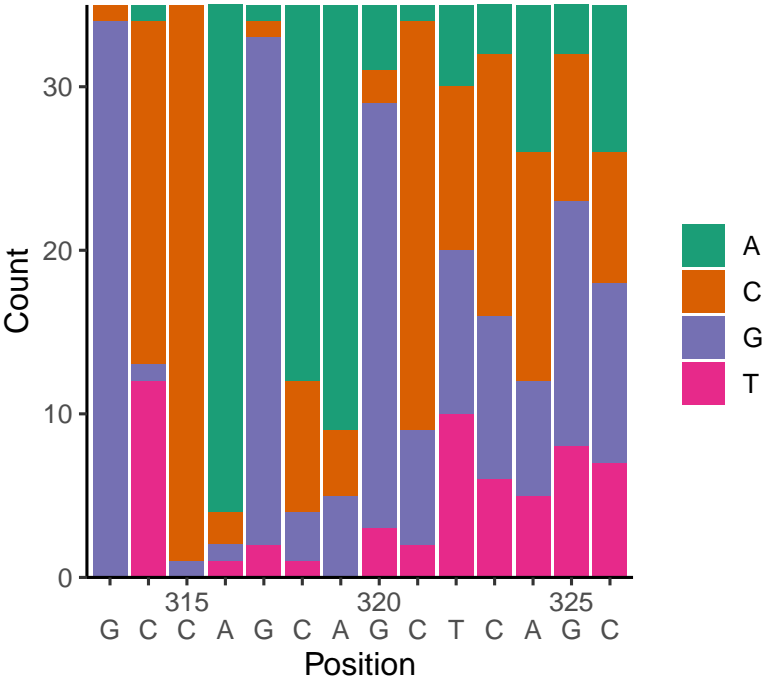
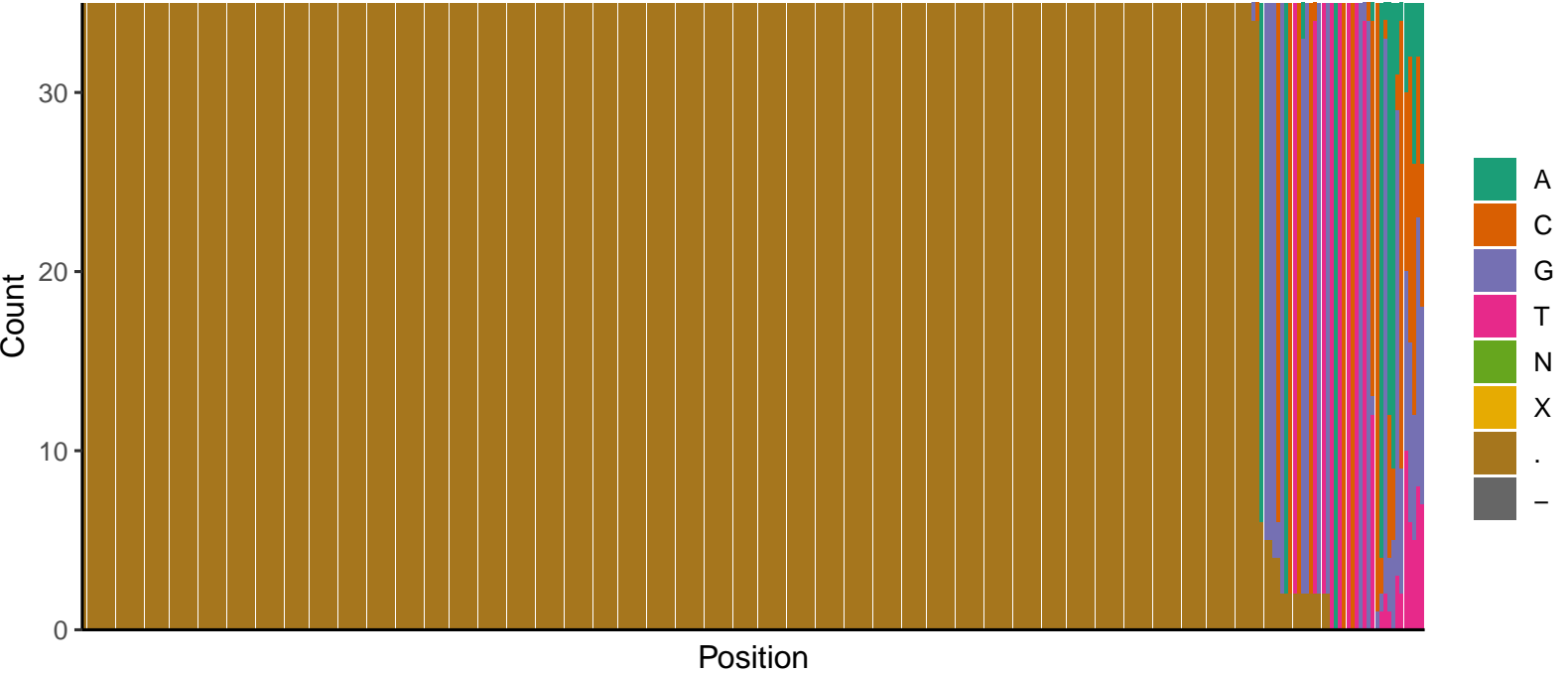


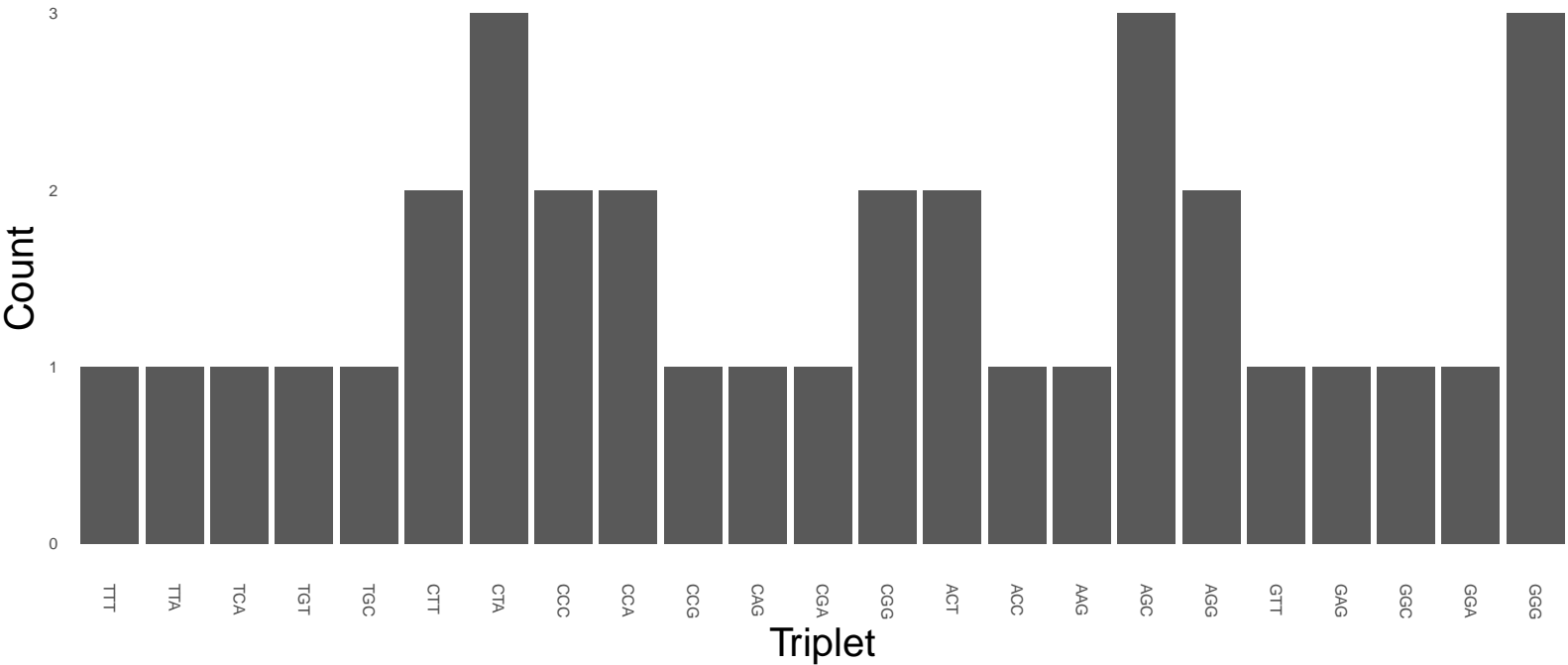
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C

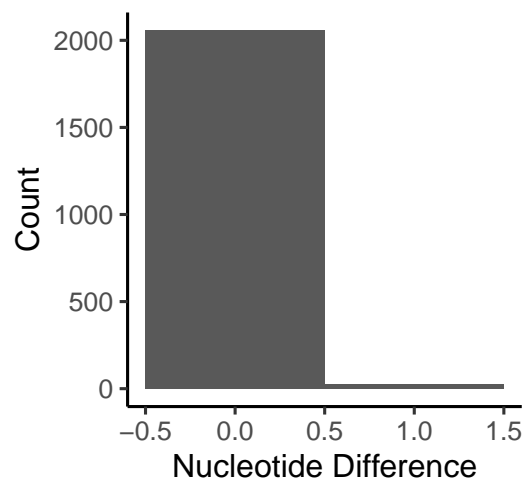


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



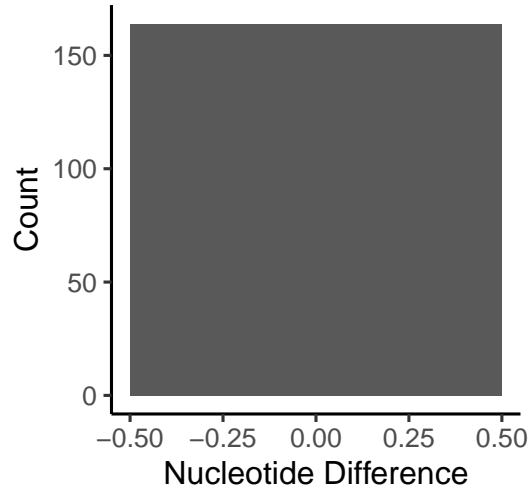
### TRBV20-1\*ap01

2085 sequences assigned  
2057 (98.7%) exact matches, in which:  
2018 unique CDR3  
13 unique J



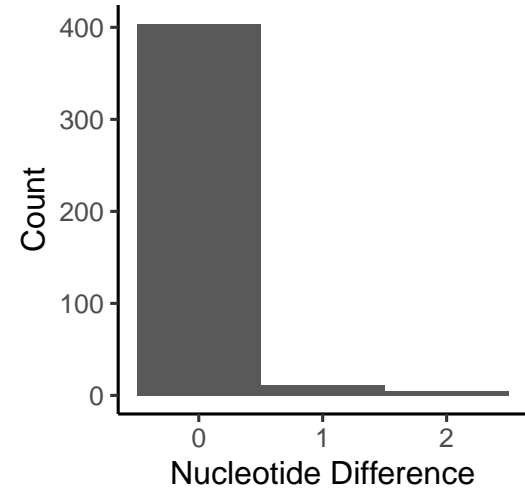
### TRBV10-2\*ap01

164 sequences assigned  
164 (100%) exact matches, in which:  
160 unique CDR3  
13 unique J



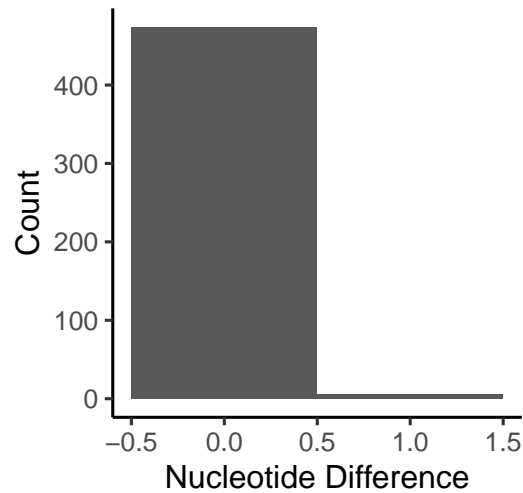
### TRBV13\*ap01

420 sequences assigned  
404 (96.2%) exact matches, in which:  
393 unique CDR3  
13 unique J



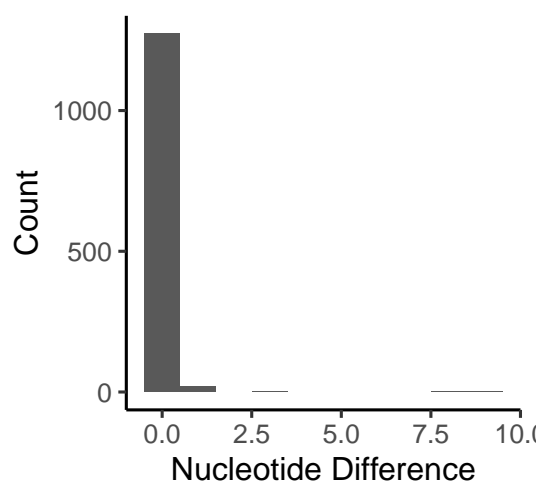
### TRBV10-1\*ap01

480 sequences assigned  
474 (98.8%) exact matches, in which:  
459 unique CDR3  
13 unique J



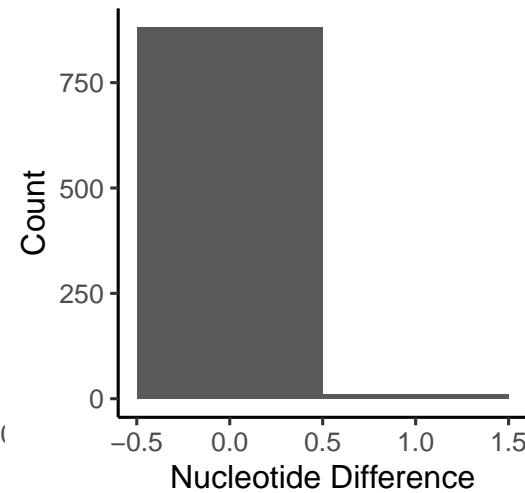
### TRBV10-3\*ap01

1295 sequences assigned  
1273 (98.3%) exact matches, in which:  
1240 unique CDR3  
13 unique J



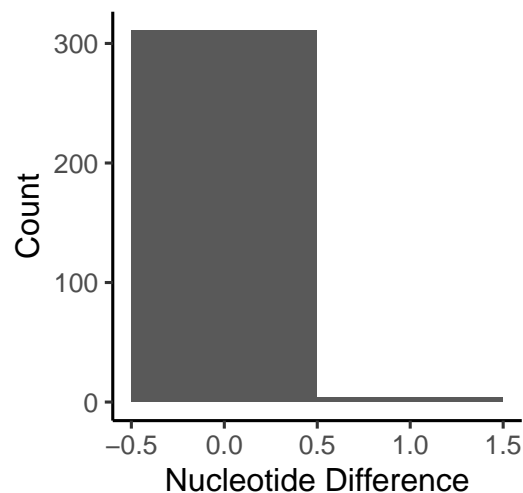
### TRBV14\*ap01

893 sequences assigned  
882 (98.8%) exact matches, in which:  
875 unique CDR3  
13 unique J



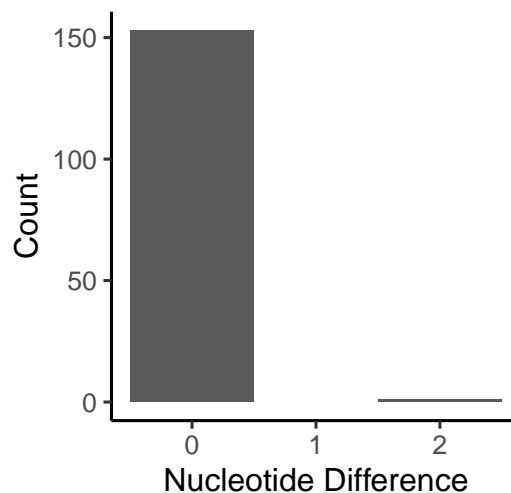
### TRBV20-1\*ap02

315 sequences assigned  
311 (98.7%) exact matches, in which:  
307 unique CDR3  
13 unique J



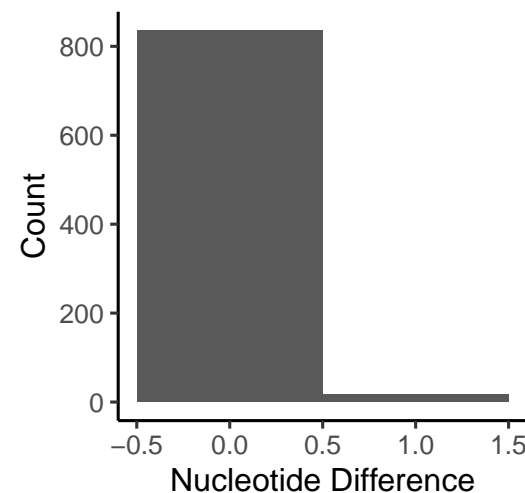
### TRBV1\*ap01

154 sequences assigned  
153 (99.4%) exact matches, in which:  
152 unique CDR3  
13 unique J



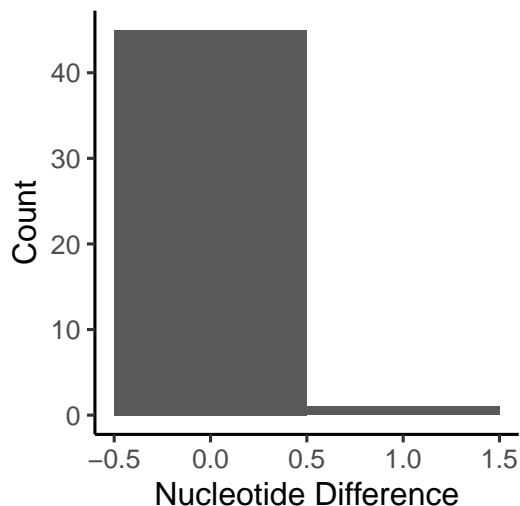
### TRBV15\*ap02

854 sequences assigned  
836 (97.9%) exact matches, in which:  
821 unique CDR3  
13 unique J



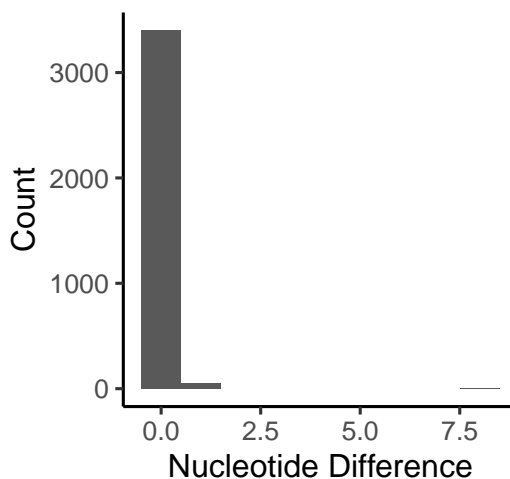
### TRBV16\*ap01

46 sequences assigned  
45 (97.8%) exact matches, in which:  
44 unique CDR3  
11 unique J



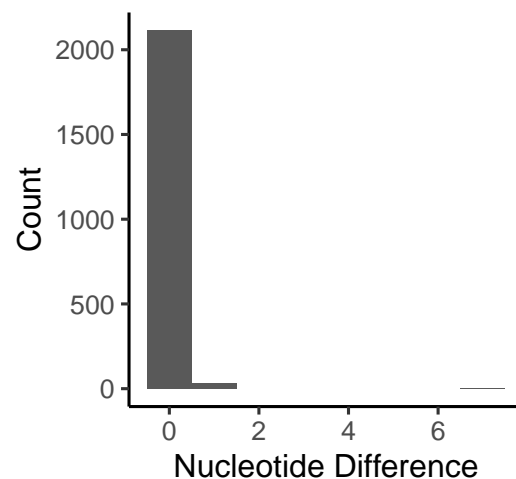
### TRBV19\*ap01

3454 sequences assigned  
3400 (98.4%) exact matches, in which:  
3357 unique CDR3  
13 unique J



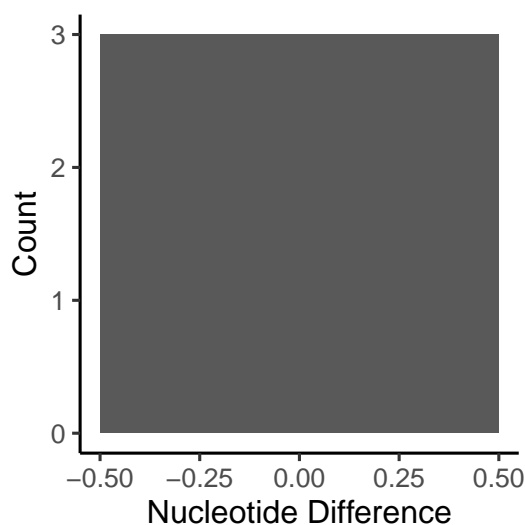
### TRBV28\*ap01

2149 sequences assigned  
2114 (98.4%) exact matches, in which:  
2066 unique CDR3  
13 unique J



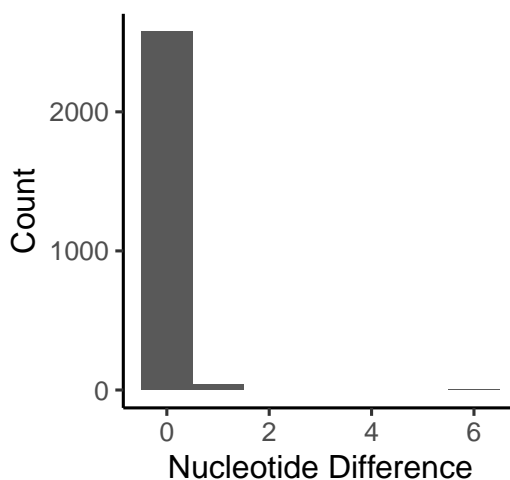
### TRBV17\*ap01

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



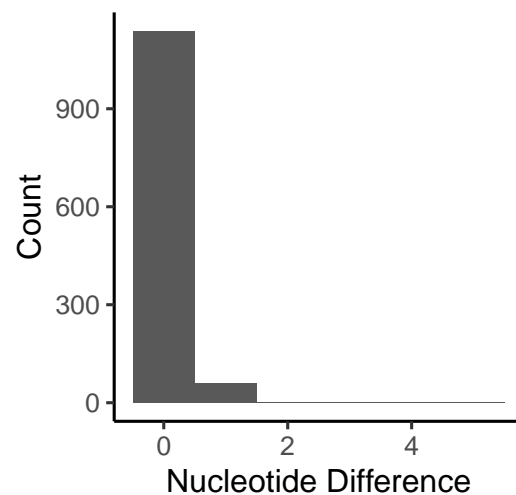
### TRBV2\*ap01

2615 sequences assigned  
2576 (98.5%) exact matches, in which:  
2517 unique CDR3  
13 unique J



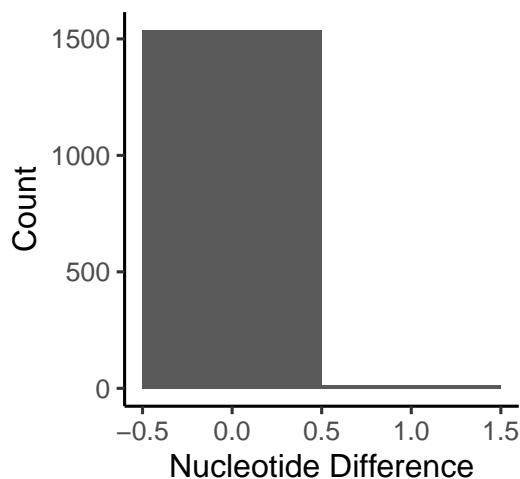
### TRBV30\*ap02

1205 sequences assigned  
1138 (94.4%) exact matches, in which:  
1119 unique CDR3  
13 unique J



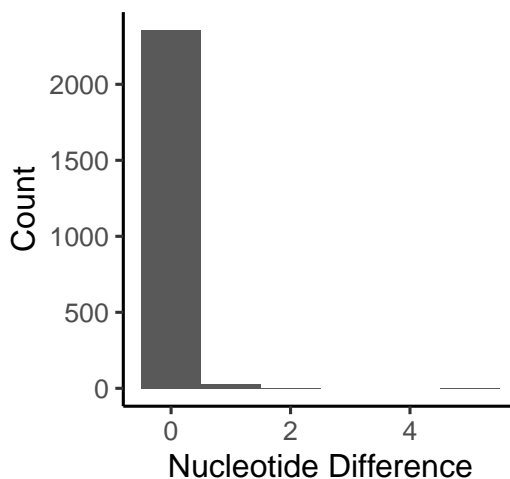
### TRBV18\*ap01

1551 sequences assigned  
1538 (99.2%) exact matches, in which:  
1521 unique CDR3  
13 unique J



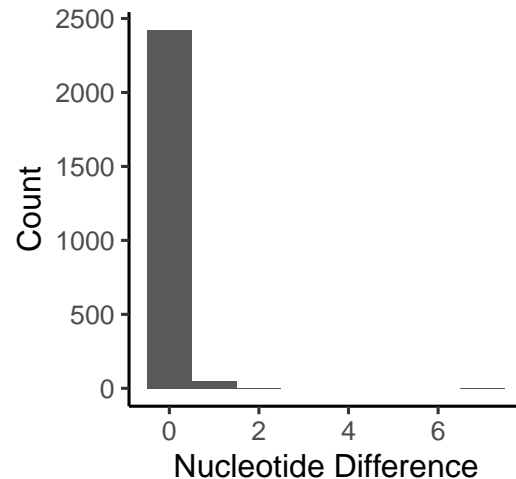
### TRBV27\*ap01

2387 sequences assigned  
2357 (98.7%) exact matches, in which:  
2303 unique CDR3  
13 unique J



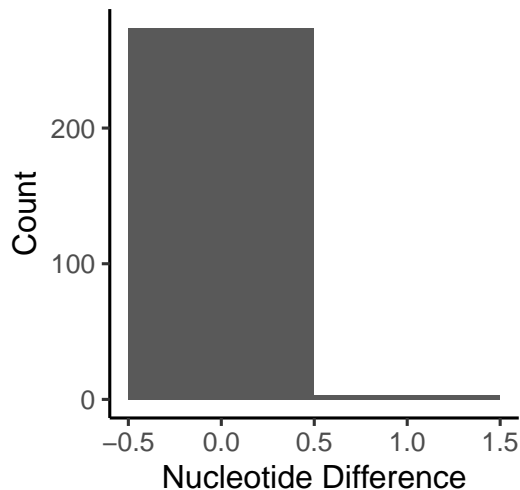
### TRBV9\*ap01

2476 sequences assigned  
2422 (97.8%) exact matches, in which:  
2384 unique CDR3  
13 unique J



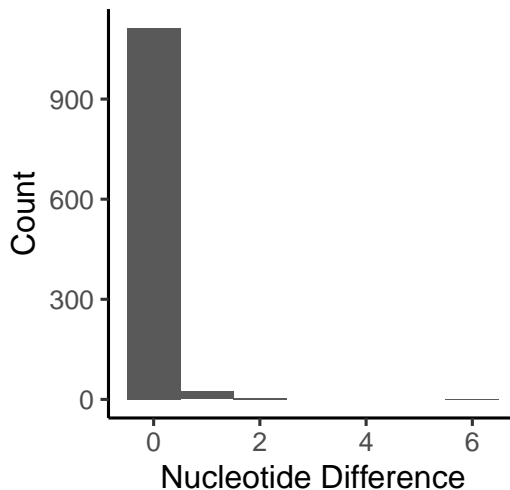
### TRBV11–1\*ap01

277 sequences assigned  
274 (98.9%) exact matches, in which:  
268 unique CDR3  
13 unique J



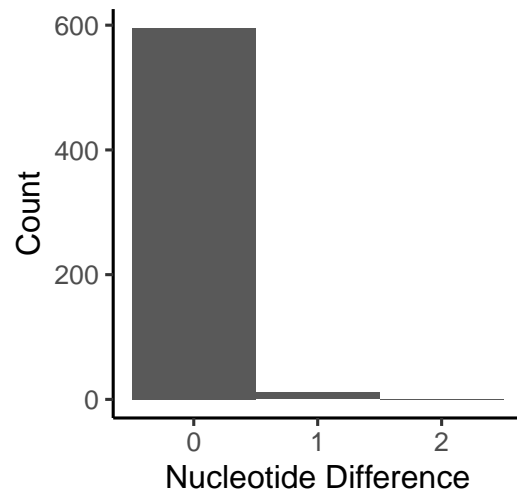
### TRBV11–3\*ap01

1142 sequences assigned  
1114 (97.5%) exact matches, in which:  
1092 unique CDR3  
13 unique J



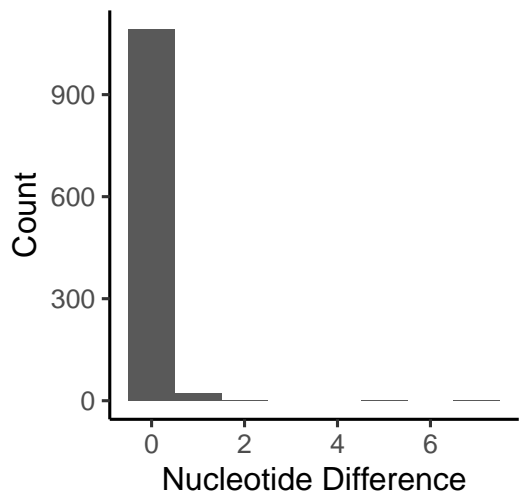
### TRBV12–5\*ap01

608 sequences assigned  
596 (98%) exact matches, in which:  
576 unique CDR3  
13 unique J



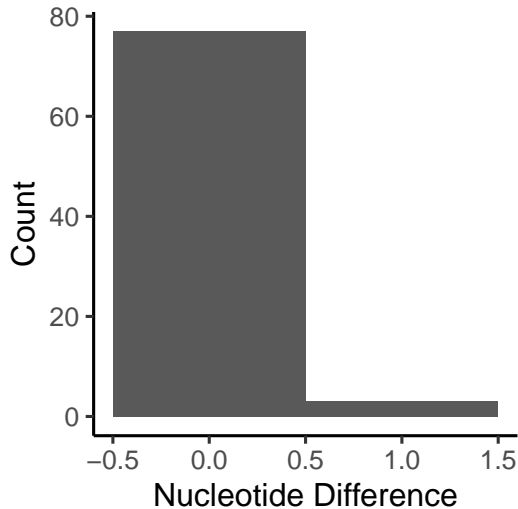
### TRBV21–1\*ap01

1119 sequences assigned  
1093 (97.7%) exact matches, in which:  
1076 unique CDR3  
13 unique J



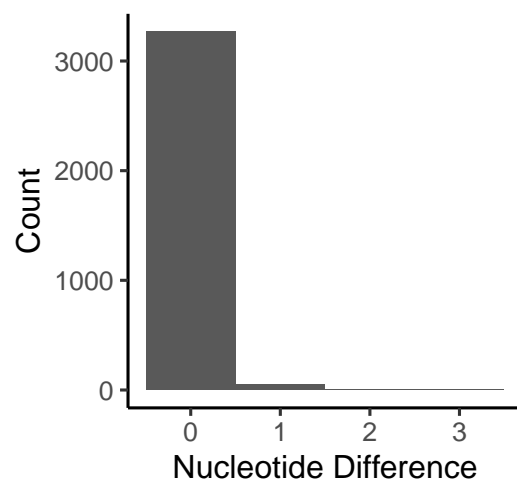
### TRBV12–1\*ap01

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



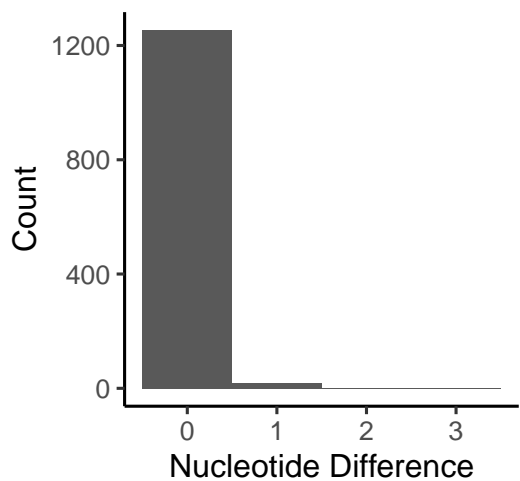
### TRBV12–34\*ap01

3323 sequences assigned  
3267 (98.3%) exact matches, in which:  
3205 unique CDR3  
13 unique J



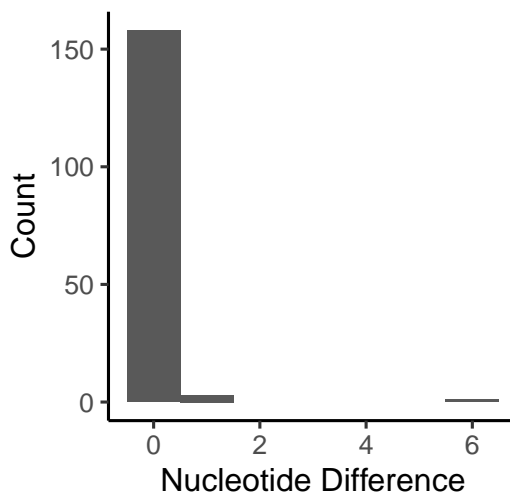
### TRBV11–2\*ap01

1275 sequences assigned  
1254 (98.4%) exact matches, in which:  
1230 unique CDR3  
13 unique J



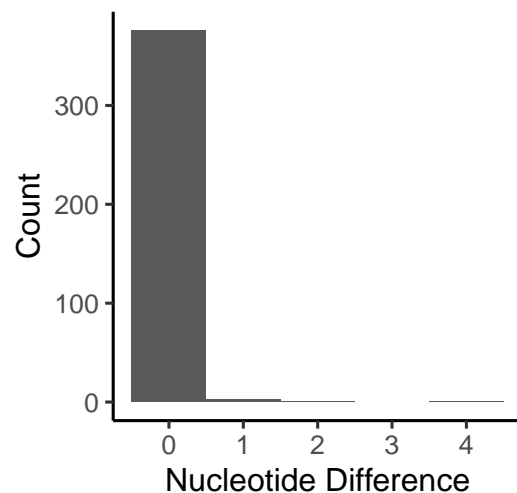
### TRBV12–2\*ap01

162 sequences assigned  
158 (97.5%) exact matches, in which:  
155 unique CDR3  
13 unique J



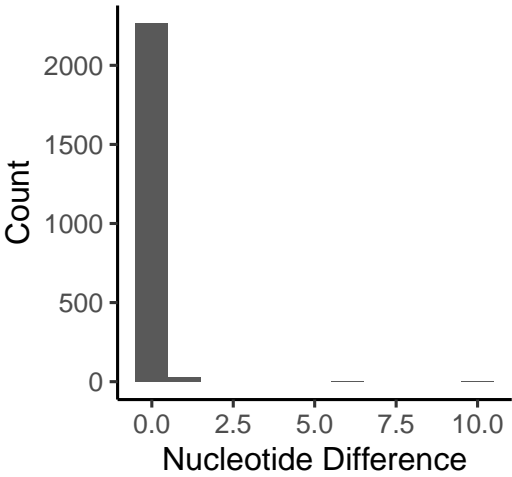
### TRBV23–1\*ap01

381 sequences assigned  
376 (98.7%) exact matches, in which:  
373 unique CDR3  
13 unique J



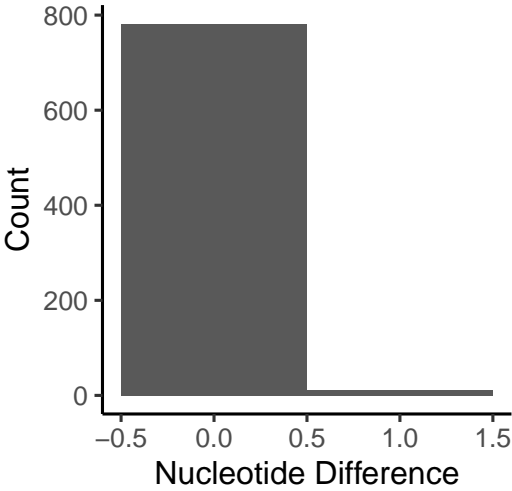
TRBV3-12\*ap01

2295 sequences assigned  
2265 (98.7%) exact matches, in which:  
2236 unique CDR3  
13 unique J



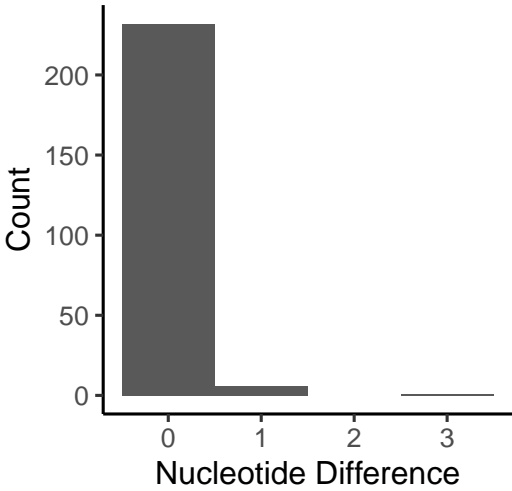
TRBV4-2\*ap01

794 sequences assigned  
782 (98.5%) exact matches, in which:  
763 unique CDR3  
13 unique J



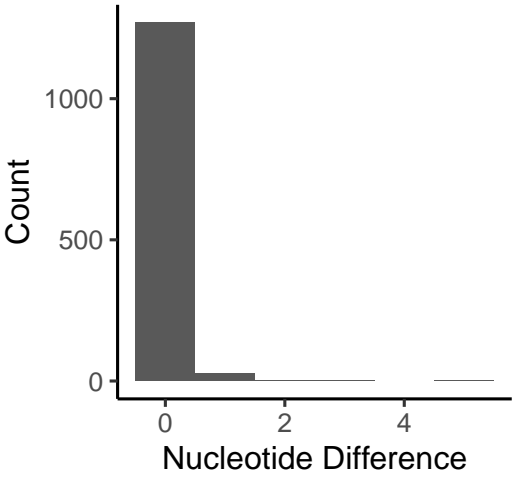
TRBV5-3\*ap01

239 sequences assigned  
232 (97.1%) exact matches, in which:  
228 unique CDR3  
13 unique J



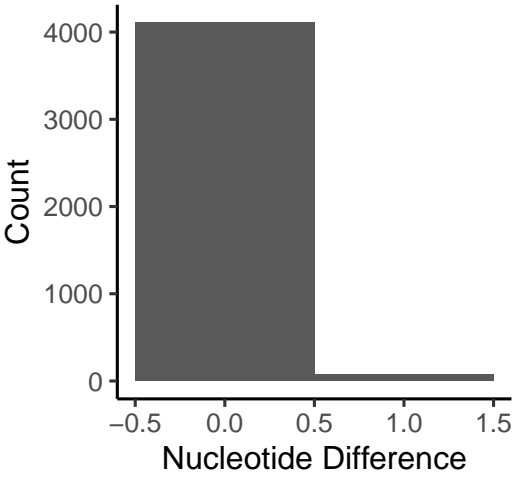
TRBV24-1\*ap01

1301 sequences assigned  
1269 (97.5%) exact matches, in which:  
1250 unique CDR3  
13 unique J



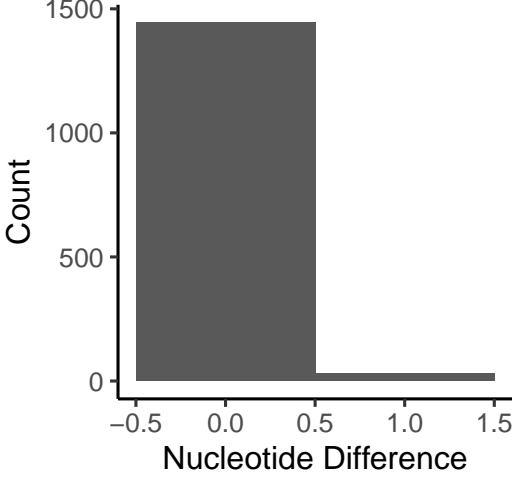
TRBV5-1\*ap01

4179 sequences assigned  
4107 (98.3%) exact matches, in which:  
3994 unique CDR3  
13 unique J



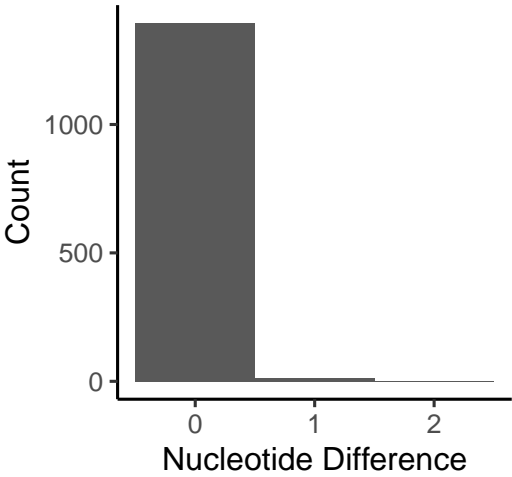
TRBV5-4\*ap01

1475 sequences assigned  
1444 (97.9%) exact matches, in which:  
1405 unique CDR3  
13 unique J



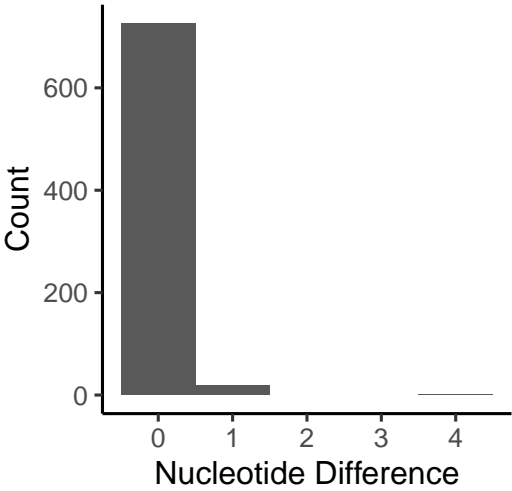
TRBV4-1\*ap01

1408 sequences assigned  
1395 (99.1%) exact matches, in which:  
1365 unique CDR3  
13 unique J



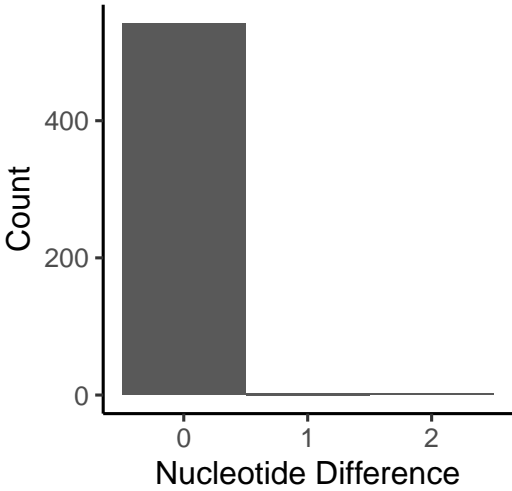
TRBV25-1\*ap01

745 sequences assigned  
726 (97.4%) exact matches, in which:  
715 unique CDR3  
13 unique J



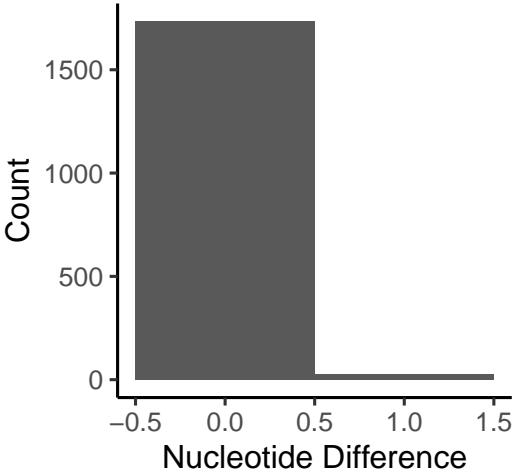
TRBV5-5\*ap01

547 sequences assigned  
542 (99.1%) exact matches, in which:  
536 unique CDR3  
13 unique J



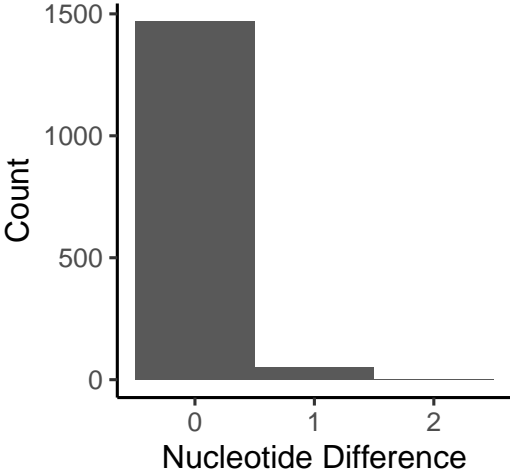
TRBV5-6\*ap01

1761 sequences assigned  
1734 (98.5%) exact matches, in which:  
1688 unique CDR3  
13 unique J



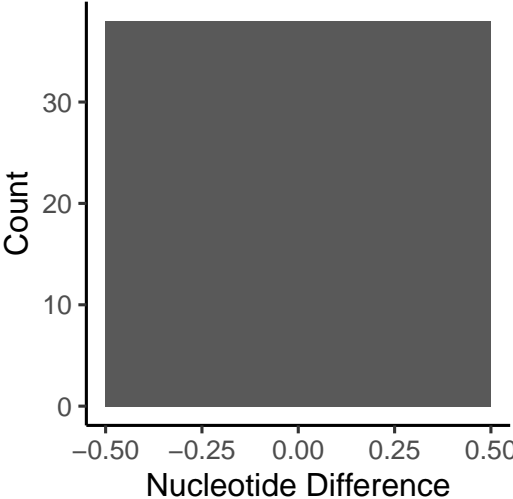
TRBV6-1\*ap01

1521 sequences assigned  
1469 (96.6%) exact matches, in which:  
1441 unique CDR3  
13 unique J



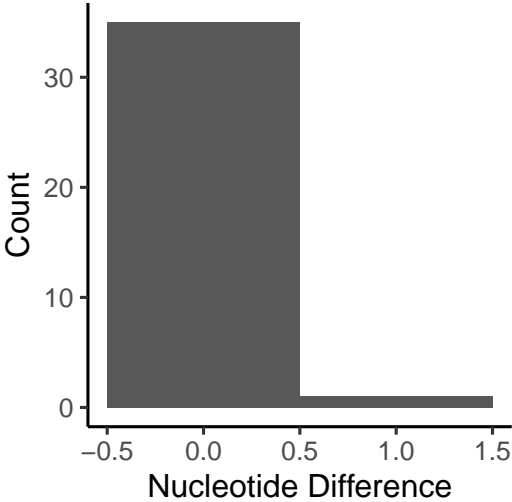
TRBV6-8\*ap01

38 sequences assigned  
38 (100%) exact matches, in which:  
37 unique CDR3  
11 unique J



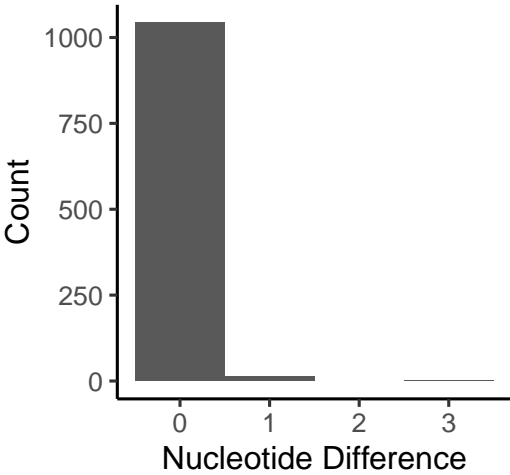
TRBV5-7\*ap01

36 sequences assigned  
35 (97.2%) exact matches, in which:  
33 unique CDR3  
12 unique J



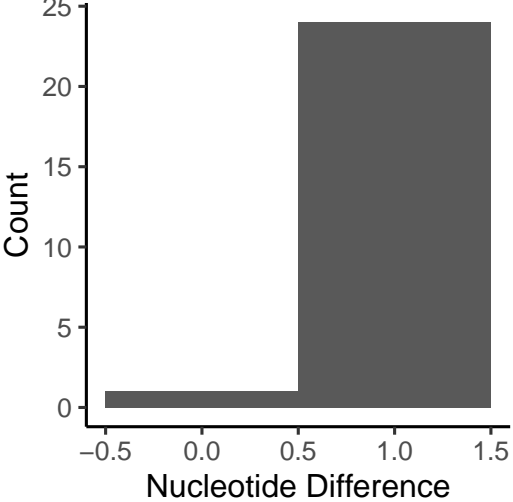
TRBV6-4\*ap01

1057 sequences assigned  
1043 (98.7%) exact matches, in which:  
1030 unique CDR3  
13 unique J



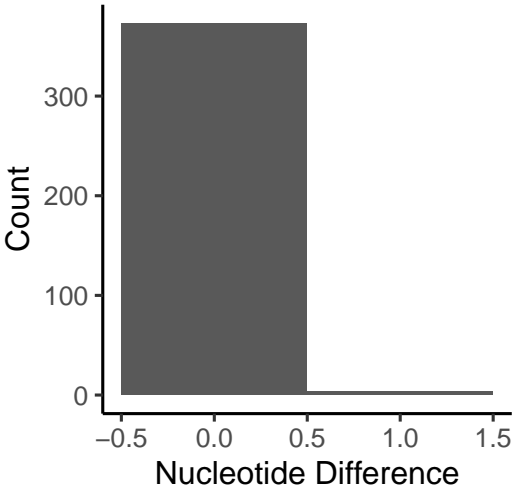
TRBV6-9\*ap01

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



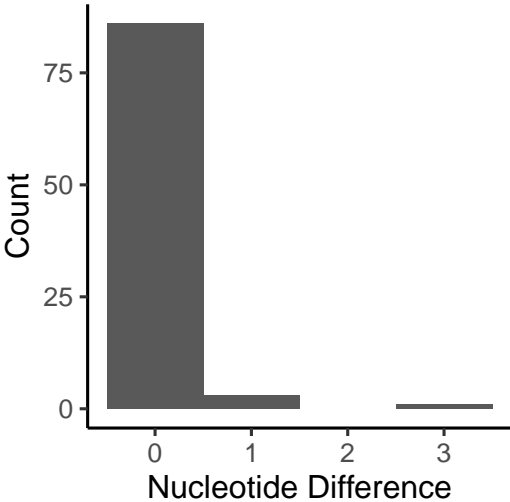
TRBV5-8\*ap01

377 sequences assigned  
373 (98.9%) exact matches, in which:  
369 unique CDR3  
13 unique J



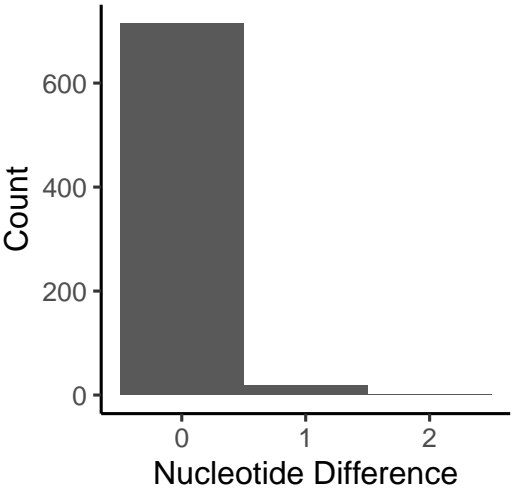
TRBV6-7\*ap01

90 sequences assigned  
86 (95.6%) exact matches, in which:  
84 unique CDR3  
13 unique J



TRBV6-23\*ap01

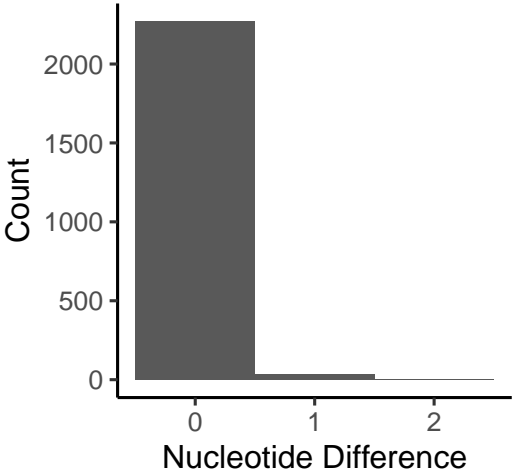
735 sequences assigned  
715 (97.3%) exact matches, in which:  
696 unique CDR3  
13 unique J





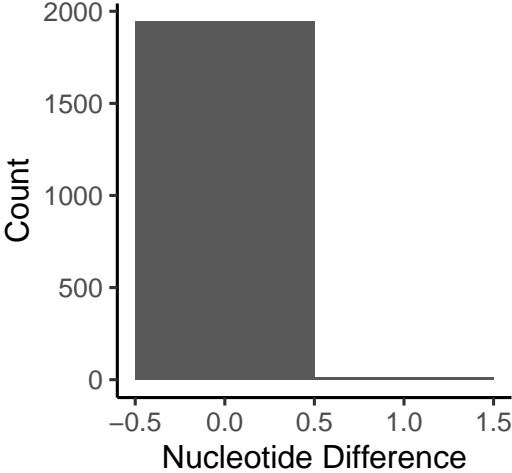
TRBV6-56\*ap01

2304 sequences assigned  
2270 (98.5%) exact matches, in which:  
2223 unique CDR3  
13 unique J



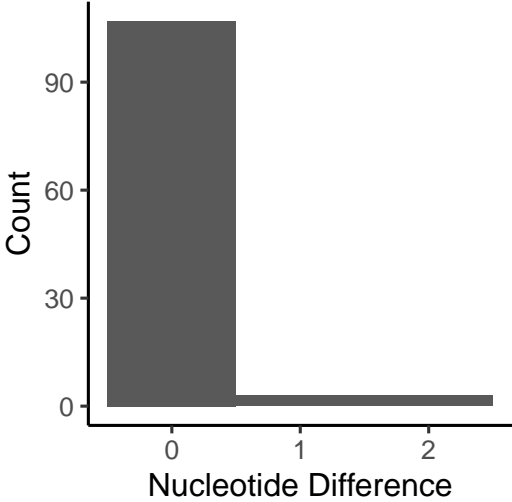
TRBV7-2\*ap01

1961 sequences assigned  
1945 (99.2%) exact matches, in which:  
1903 unique CDR3  
13 unique J



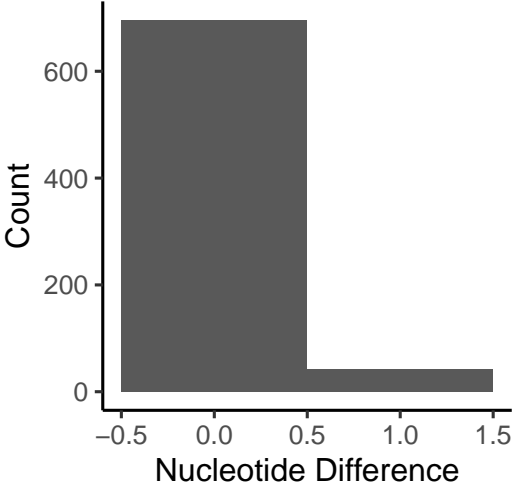
TRBV7-4\*ap01

113 sequences assigned  
107 (94.7%) exact matches, in which:  
102 unique CDR3  
13 unique J



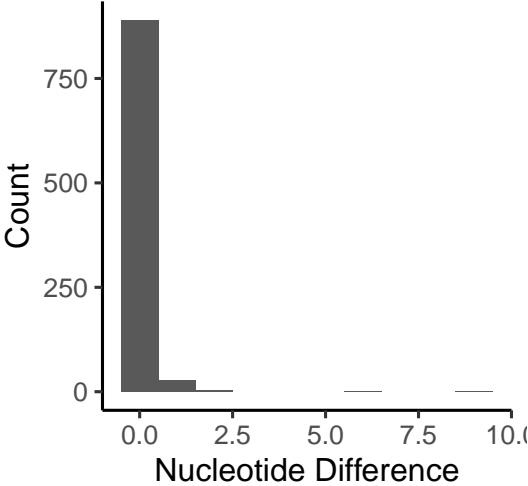
TRBV6-56\*ap02

739 sequences assigned  
696 (94.2%) exact matches, in which:  
680 unique CDR3  
13 unique J



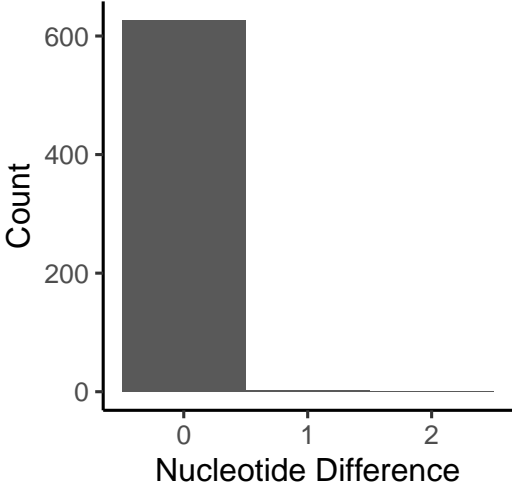
TRBV7-3\*ap01

922 sequences assigned  
890 (96.5%) exact matches, in which:  
875 unique CDR3  
13 unique J



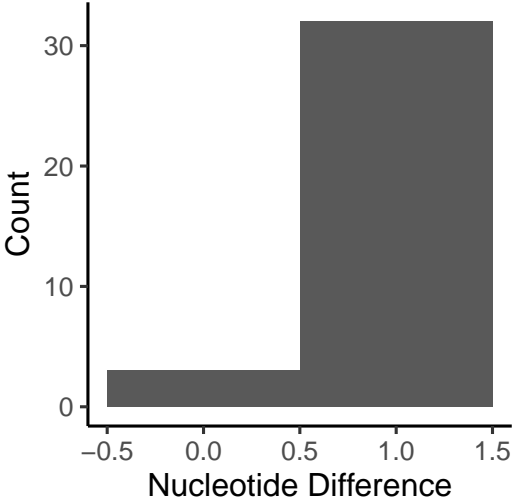
TRBV7-6\*ap01

631 sequences assigned  
627 (99.4%) exact matches, in which:  
610 unique CDR3  
13 unique J



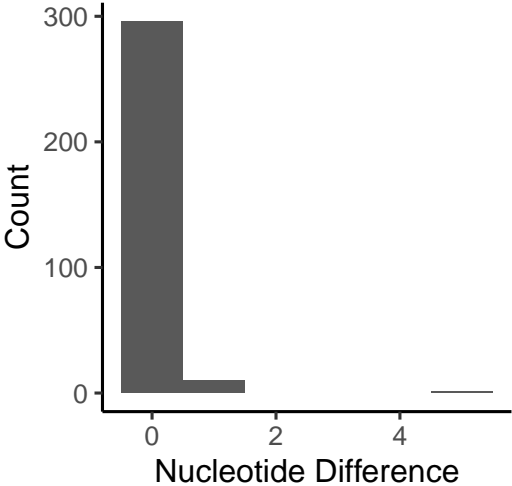
TRBV7-1\*ap01\_T296C

35 sequences assigned  
3 (8.6%) exact matches, in which:  
3 unique CDR3  
2 unique J



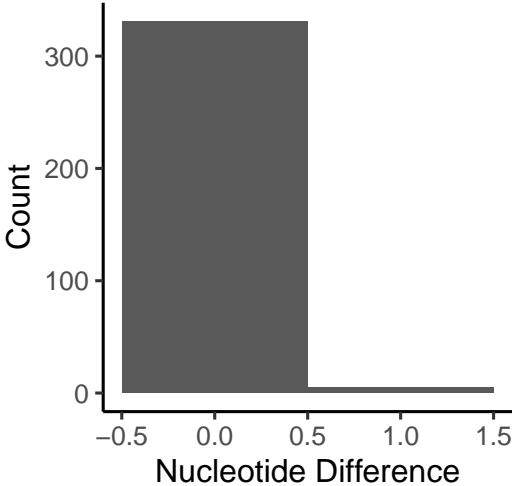
TRBV7-3\*ap03

307 sequences assigned  
296 (96.4%) exact matches, in which:  
291 unique CDR3  
13 unique J



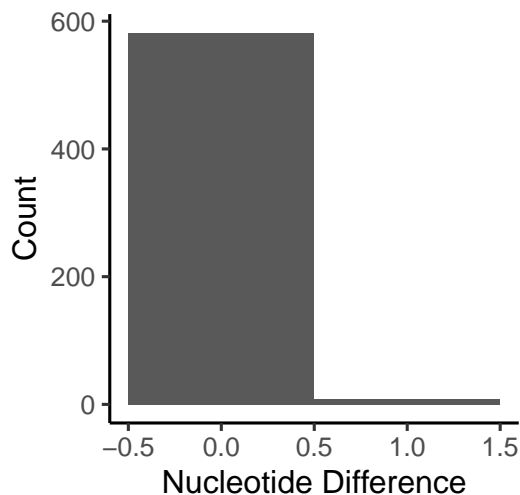
TRBV7-7\*ap01

336 sequences assigned  
331 (98.5%) exact matches, in which:  
327 unique CDR3  
13 unique J



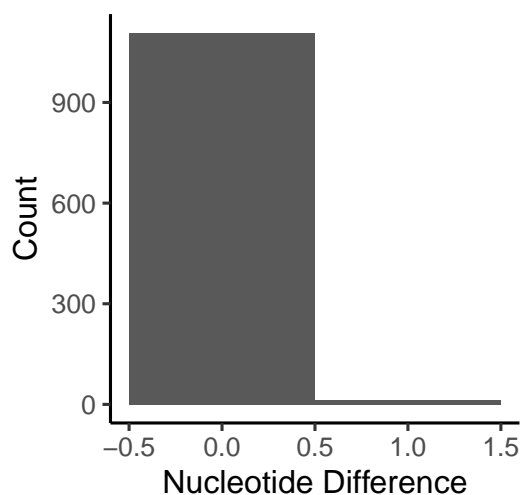
### TRBV7-8\*ap01

591 sequences assigned  
582 (98.5%) exact matches, in which:  
572 unique CDR3  
13 unique J



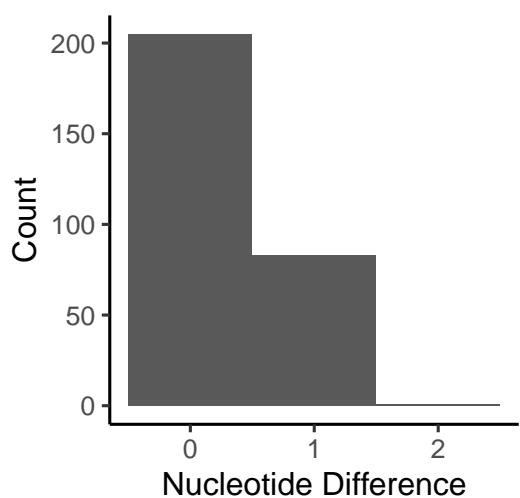
### TRBV29-1\*ap01

1121 sequences assigned  
1108 (98.8%) exact matches, in which:  
1092 unique CDR3  
13 unique J



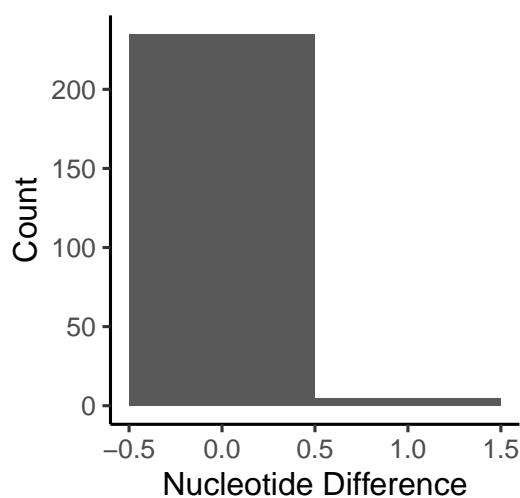
### TRBV7-8\*ap03

289 sequences assigned  
205 (70.9%) exact matches, in which:  
203 unique CDR3  
13 unique J



### TRBV29-1\*ap02

240 sequences assigned  
235 (97.9%) exact matches, in which:  
227 unique CDR3  
12 unique J



### TRBV7-9\*ap01

2728 sequences assigned  
2694 (98.8%) exact matches, in which:  
2646 unique CDR3  
13 unique J

