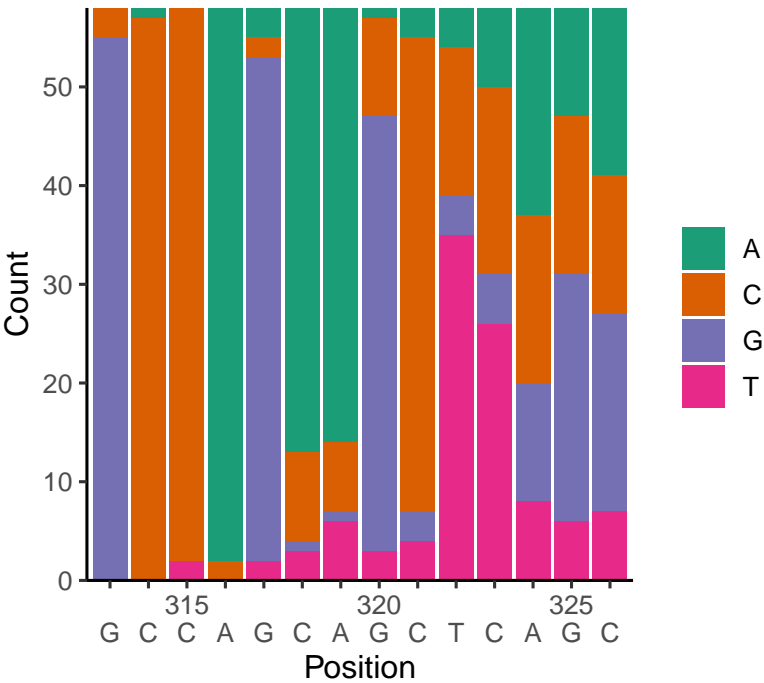


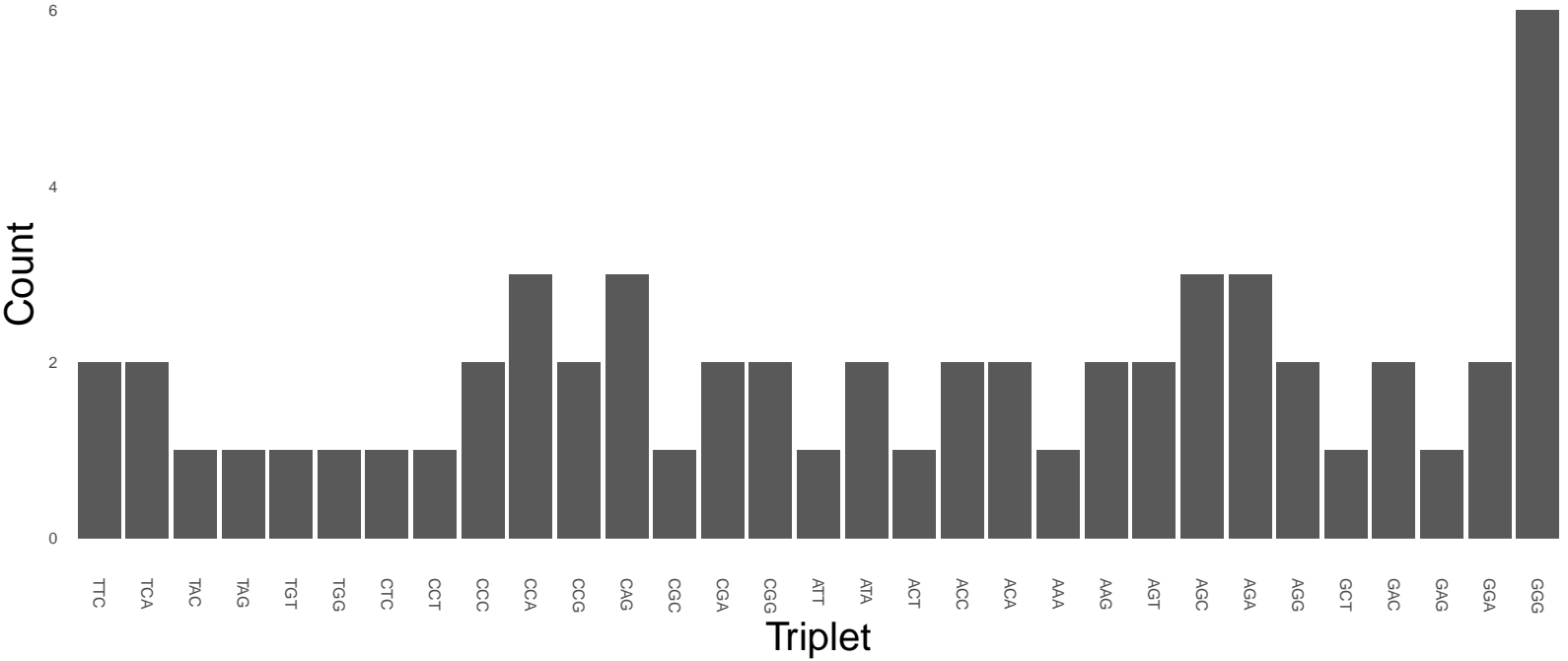
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-1\*ap01\_G291C\_T296C

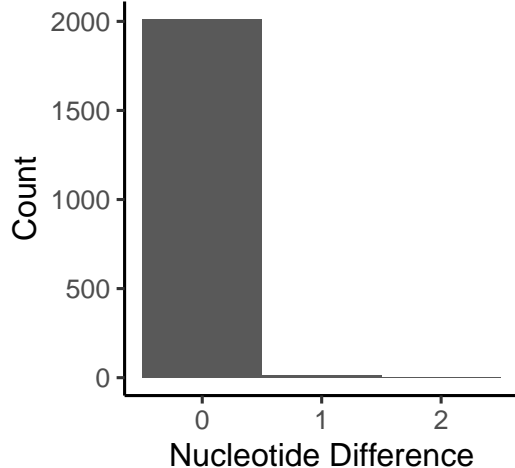


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



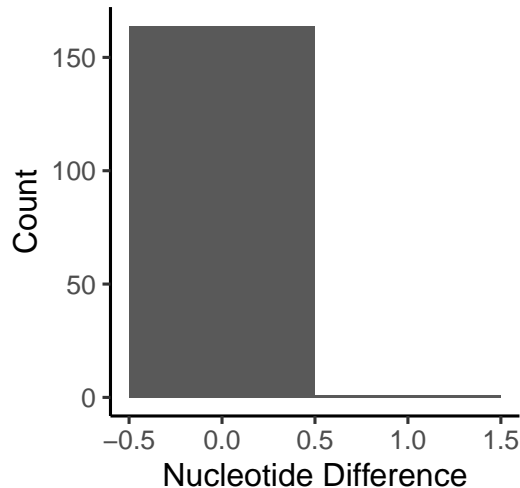
### TRBV20-1\*ap01

2028 sequences assigned  
2011 (99.2%) exact matches, in which:  
1960 unique CDR3  
13 unique J



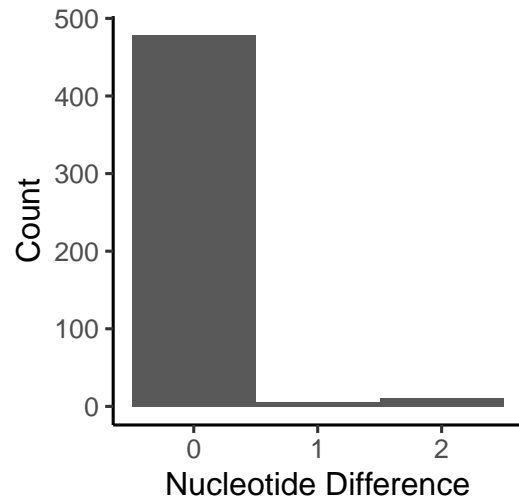
### TRBV10-2\*ap01

165 sequences assigned  
164 (99.4%) exact matches, in which:  
159 unique CDR3  
12 unique J



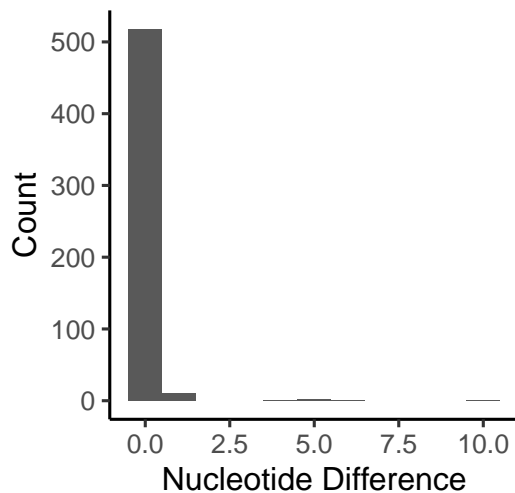
### TRBV13\*ap01

496 sequences assigned  
479 (96.6%) exact matches, in which:  
466 unique CDR3  
13 unique J



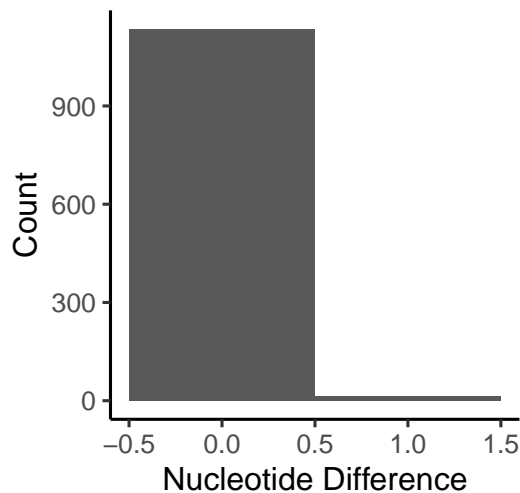
### TRBV10-1\*ap01

534 sequences assigned  
518 (97%) exact matches, in which:  
508 unique CDR3  
13 unique J



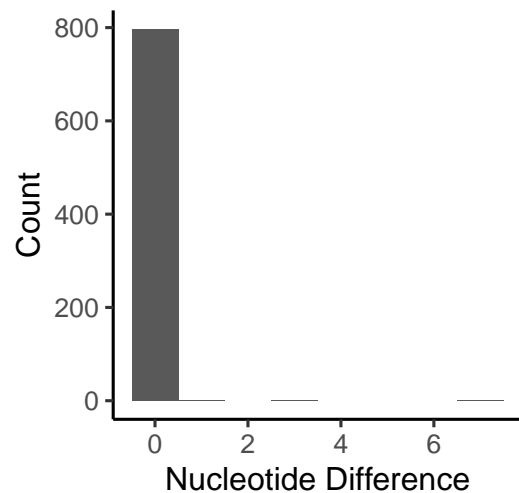
### TRBV10-3\*ap01

1149 sequences assigned  
1135 (98.8%) exact matches, in which:  
1098 unique CDR3  
13 unique J



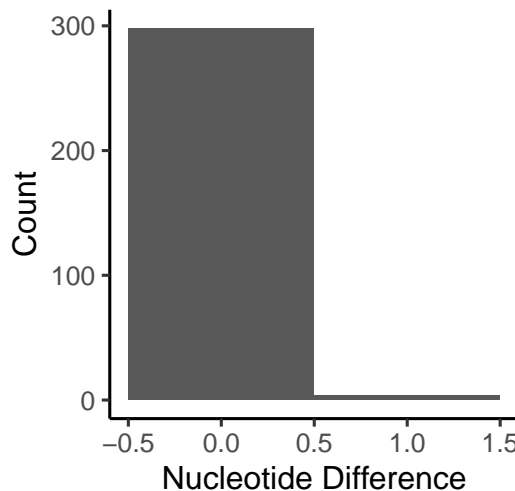
### TRBV14\*ap01

801 sequences assigned  
797 (99.5%) exact matches, in which:  
785 unique CDR3  
13 unique J



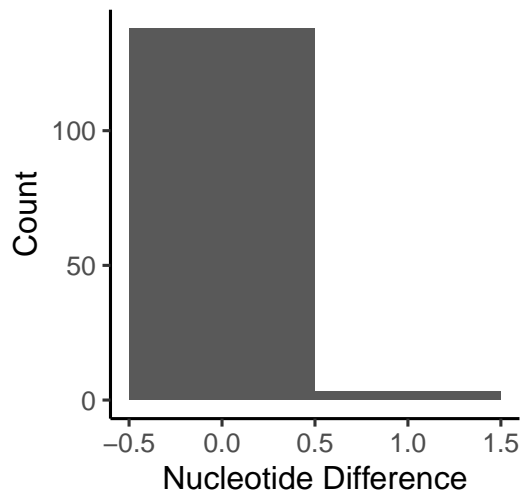
### TRBV20-1\*ap02

302 sequences assigned  
298 (98.7%) exact matches, in which:  
290 unique CDR3  
13 unique J



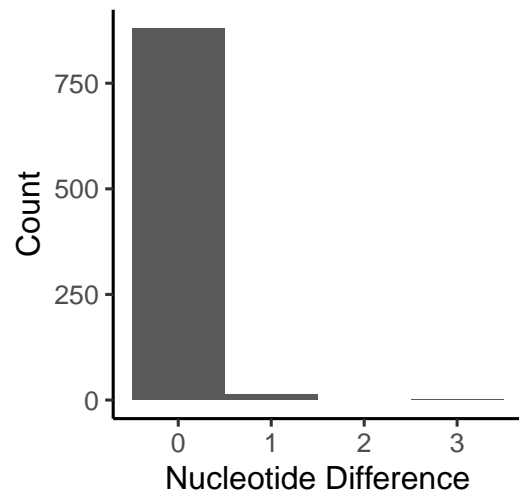
### TRBV1\*ap01

141 sequences assigned  
138 (97.9%) exact matches, in which:  
132 unique CDR3  
13 unique J



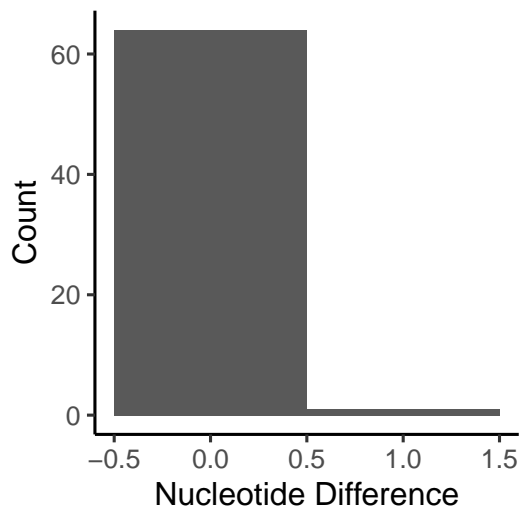
### TRBV15\*ap02

895 sequences assigned  
880 (98.3%) exact matches, in which:  
857 unique CDR3  
13 unique J



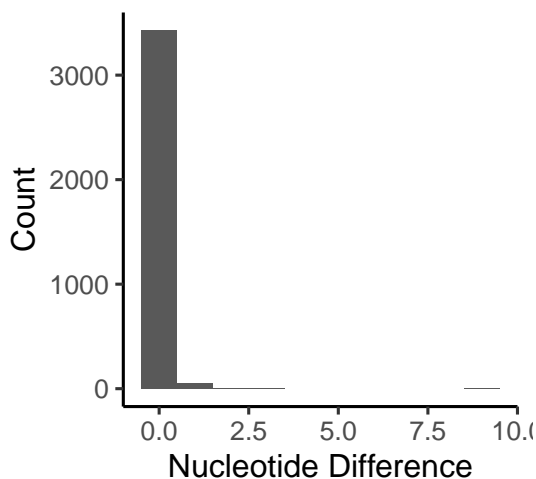
### TRBV16\*ap01

65 sequences assigned  
64 (98.5%) exact matches, in which:  
61 unique CDR3  
11 unique J



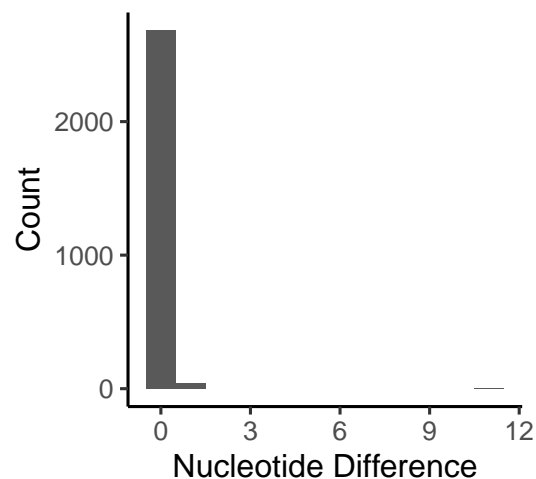
### TRBV19\*ap01

3480 sequences assigned  
3428 (98.5%) exact matches, in which:  
3375 unique CDR3  
13 unique J



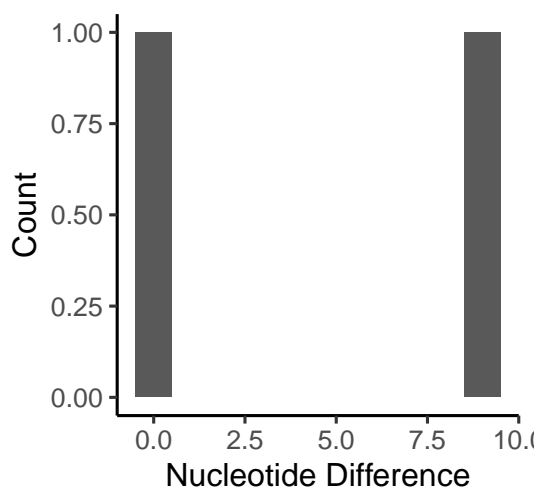
### TRBV27\*ap01

2722 sequences assigned  
2683 (98.6%) exact matches, in which:  
2609 unique CDR3  
13 unique J



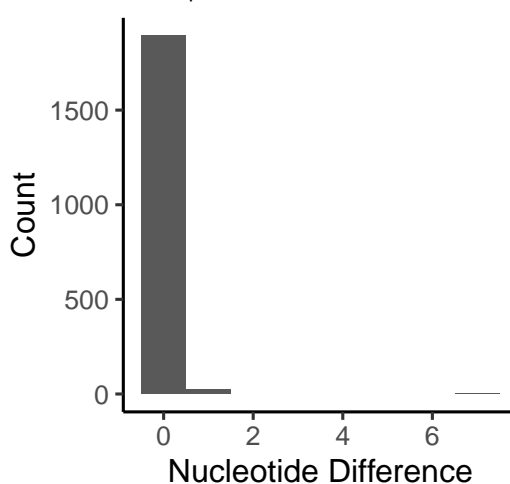
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



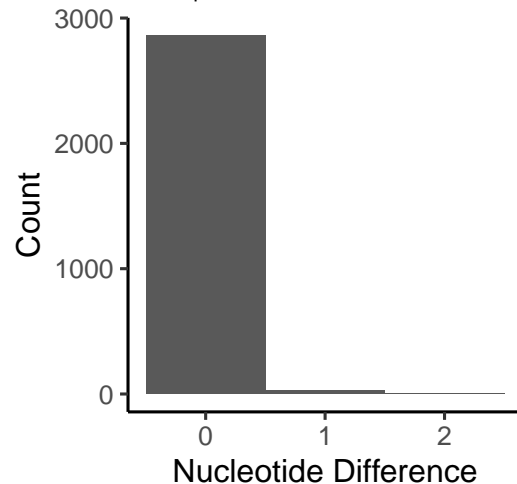
### TRBV2\*ap01

1920 sequences assigned  
1893 (98.6%) exact matches, in which:  
1855 unique CDR3  
13 unique J



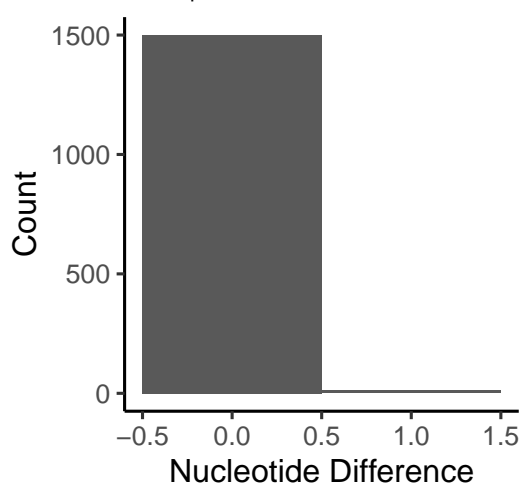
### TRBV28\*ap01

2889 sequences assigned  
2859 (99%) exact matches, in which:  
2789 unique CDR3  
13 unique J



### TRBV18\*ap01

1511 sequences assigned  
1500 (99.3%) exact matches, in which:  
1472 unique CDR3  
13 unique J



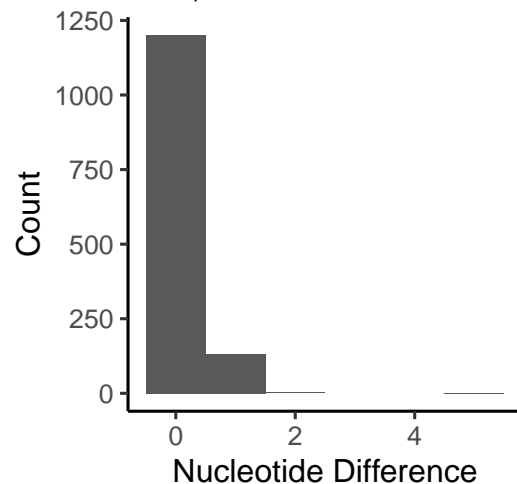
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



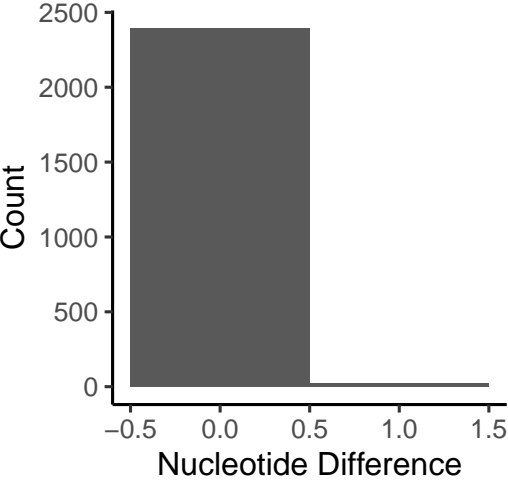
### TRBV30\*ap01

1337 sequences assigned  
1201 (89.8%) exact matches, in which:  
1184 unique CDR3  
13 unique J



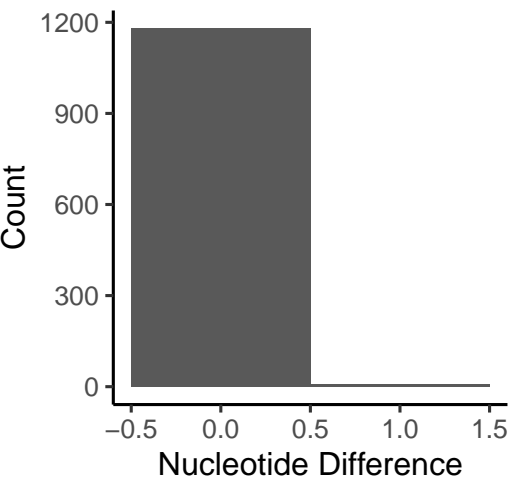
TRBV9\*ap01

2415 sequences assigned  
2393 (99.1%) exact matches, in which:  
2349 unique CDR3  
13 unique J



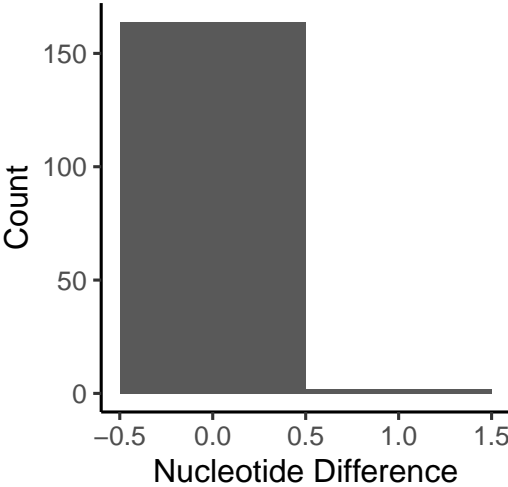
TRBV11-2\*ap01

1188 sequences assigned  
1180 (99.3%) exact matches, in which:  
1161 unique CDR3  
13 unique J



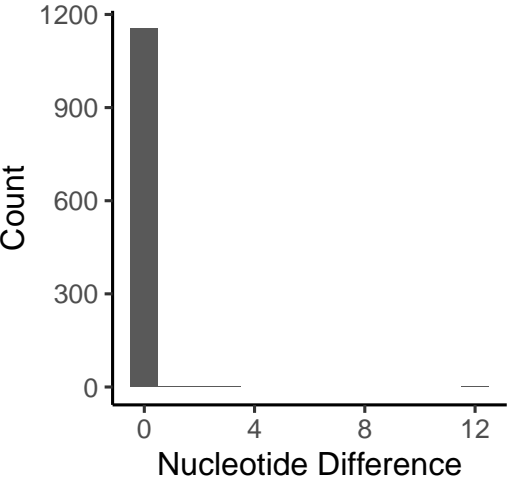
TRBV12-2\*ap01

166 sequences assigned  
164 (98.8%) exact matches, in which:  
162 unique CDR3  
13 unique J



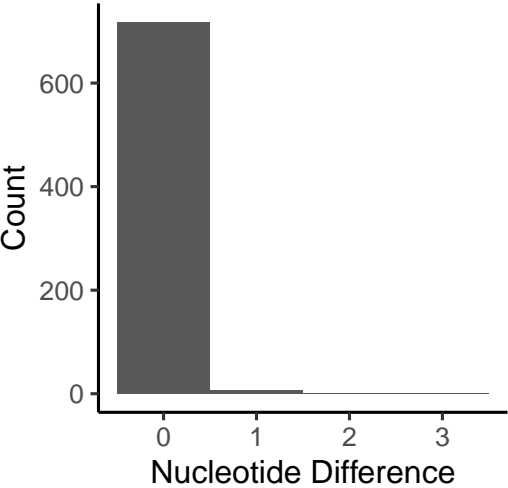
TRBV21-1\*ap01

1163 sequences assigned  
1154 (99.2%) exact matches, in which:  
1136 unique CDR3  
13 unique J



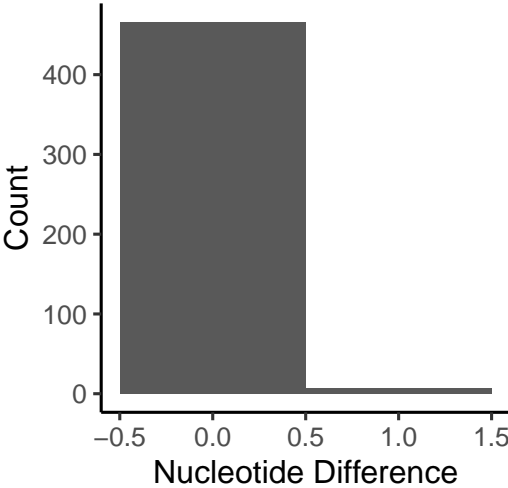
TRBV11-3\*ap01

726 sequences assigned  
718 (98.9%) exact matches, in which:  
710 unique CDR3  
13 unique J



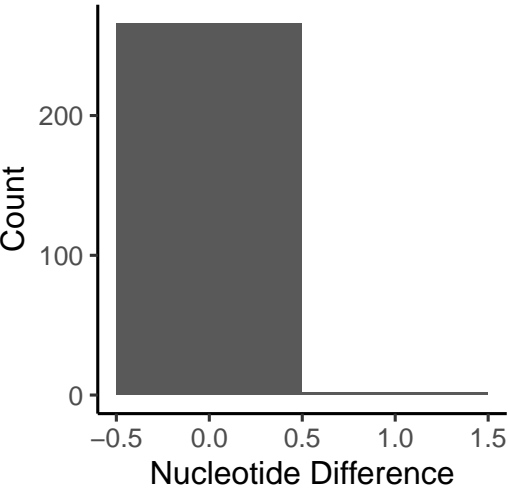
TRBV12-5\*ap01

473 sequences assigned  
466 (98.5%) exact matches, in which:  
454 unique CDR3  
13 unique J



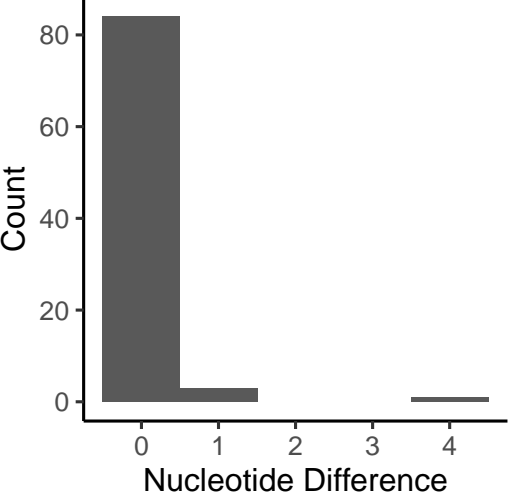
TRBV11-1\*ap01

268 sequences assigned  
266 (99.3%) exact matches, in which:  
263 unique CDR3  
13 unique J



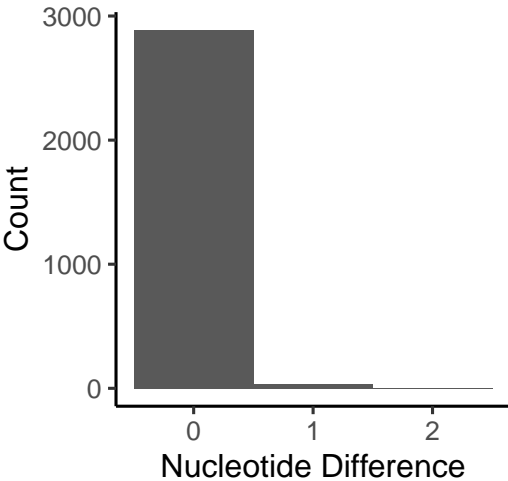
TRBV12-1\*ap01

88 sequences assigned  
84 (95.5%) exact matches, in which:  
83 unique CDR3  
13 unique J



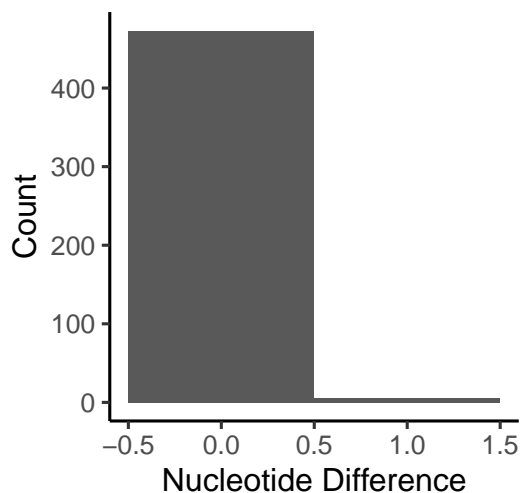
TRBV12-34\*ap01

2922 sequences assigned  
2887 (98.8%) exact matches, in which:  
2824 unique CDR3  
13 unique J



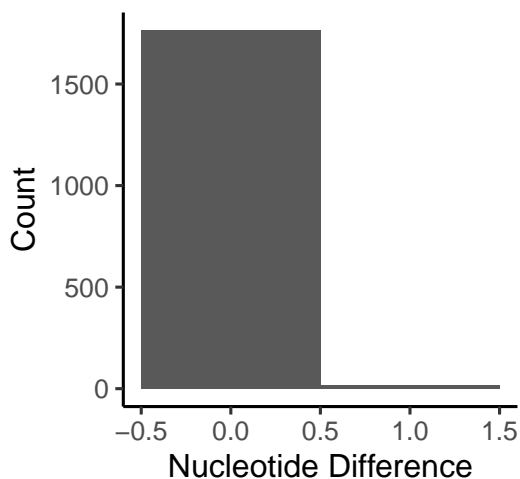
### TRBV23-1\*ap01

479 sequences assigned  
473 (98.7%) exact matches, in which:  
466 unique CDR3  
13 unique J



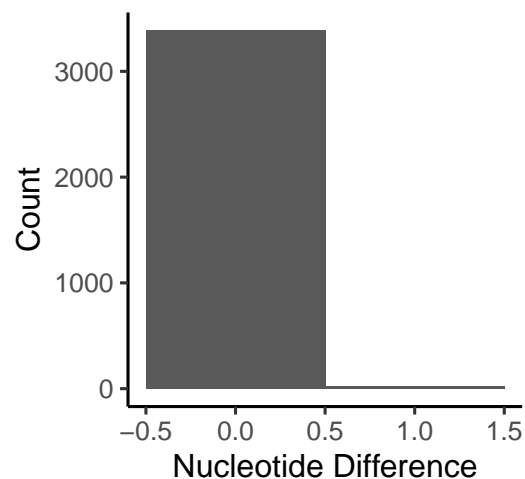
### TRBV4-1\*ap01

1780 sequences assigned  
1764 (99.1%) exact matches, in which:  
1731 unique CDR3  
13 unique J



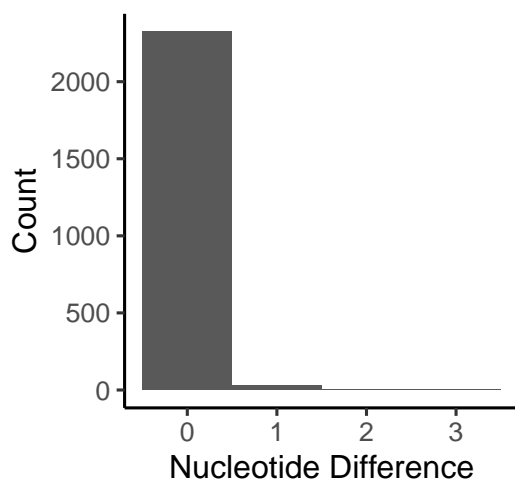
### TRBV5-1\*ap01

3413 sequences assigned  
3387 (99.2%) exact matches, in which:  
3292 unique CDR3  
13 unique J



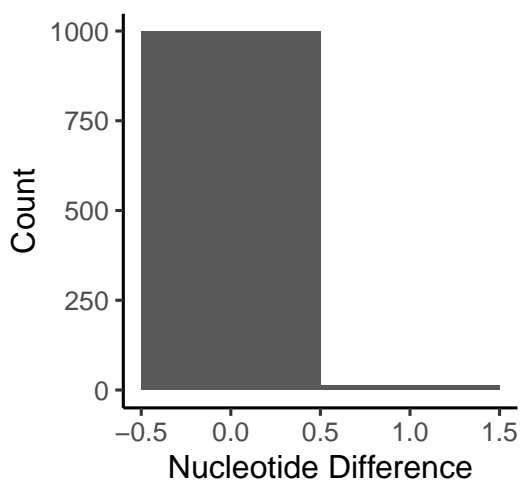
### TRBV3-12\*ap01

2354 sequences assigned  
2324 (98.7%) exact matches, in which:  
2288 unique CDR3  
13 unique J



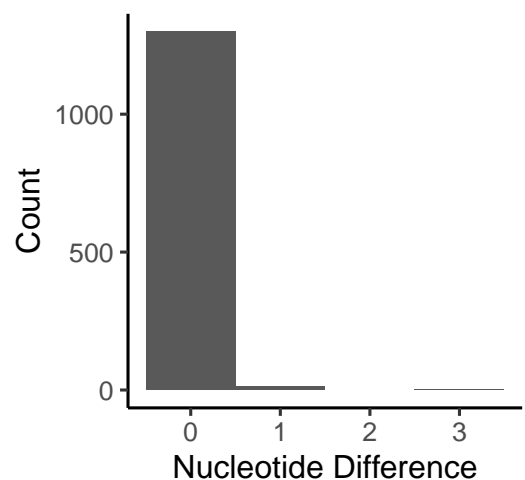
### TRBV4-2\*ap01

1010 sequences assigned  
998 (98.8%) exact matches, in which:  
969 unique CDR3  
13 unique J



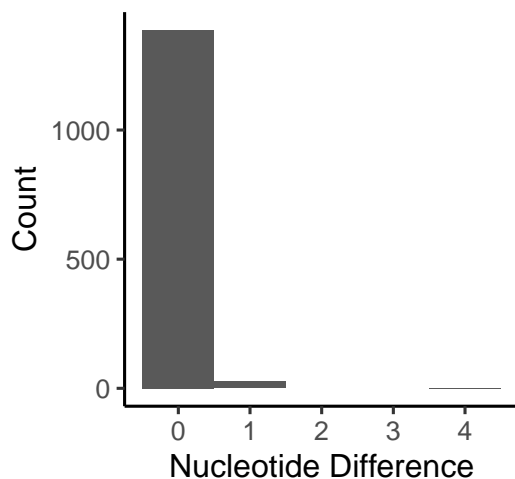
### TRBV25-1\*ap01

1314 sequences assigned  
1299 (98.9%) exact matches, in which:  
1263 unique CDR3  
13 unique J



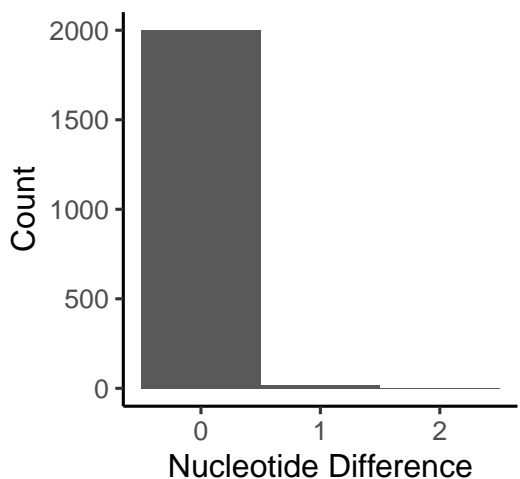
### TRBV24-1\*ap01

1415 sequences assigned  
1387 (98%) exact matches, in which:  
1360 unique CDR3  
13 unique J



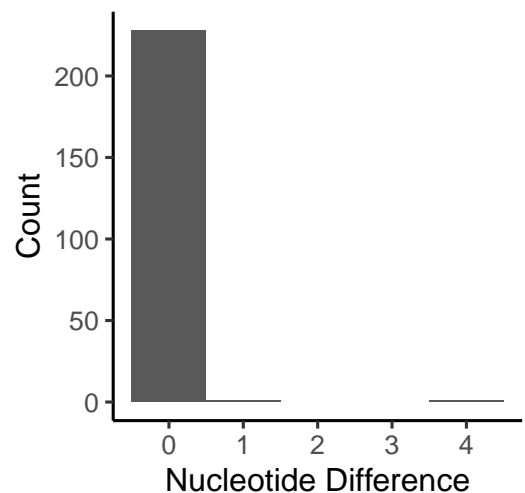
### TRBV4-3\*ap01

2021 sequences assigned  
2001 (99%) exact matches, in which:  
1949 unique CDR3  
13 unique J



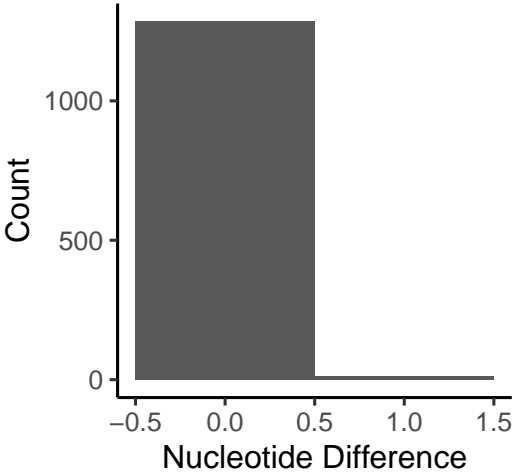
### TRBV5-3\*ap01

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



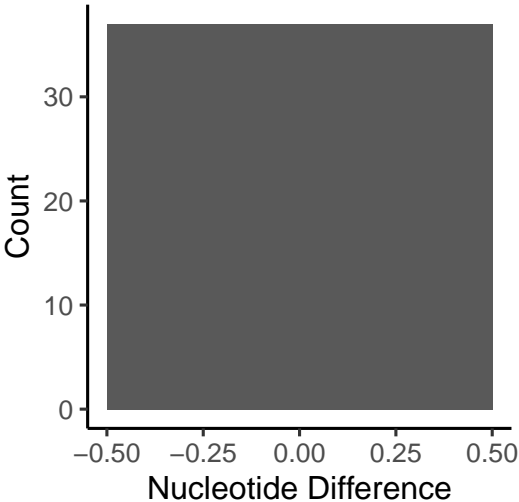
TRBV5-4\*ap01

1296 sequences assigned  
1285 (99.2%) exact matches, in which:  
1252 unique CDR3  
13 unique J



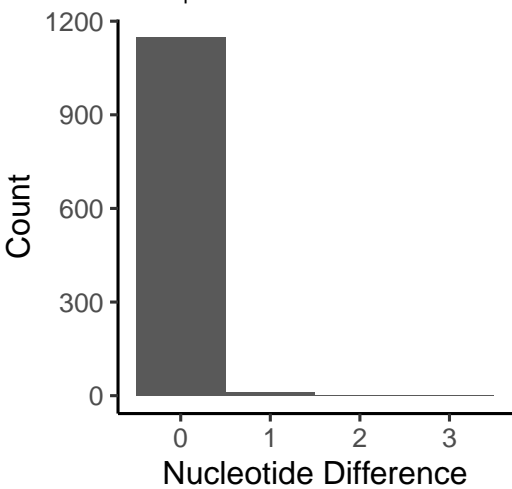
TRBV5-7\*ap01

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



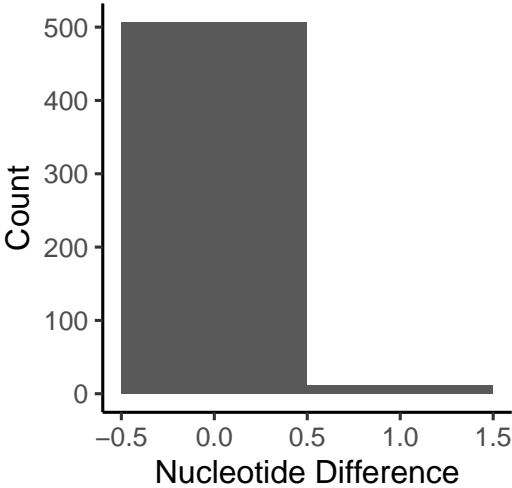
TRBV6-4\*ap01

1161 sequences assigned  
1148 (98.9%) exact matches, in which:  
1132 unique CDR3  
13 unique J



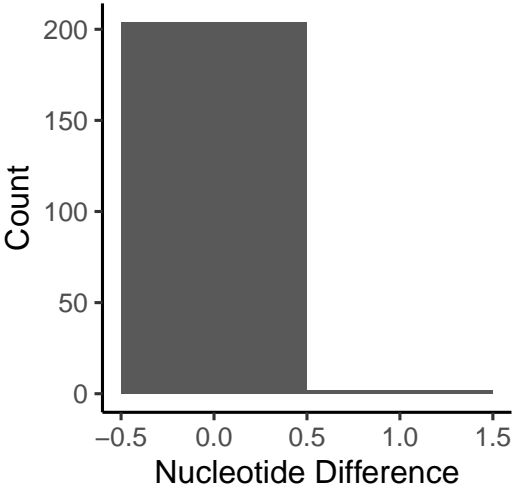
TRBV5-5\*ap01

518 sequences assigned  
507 (97.9%) exact matches, in which:  
498 unique CDR3  
13 unique J



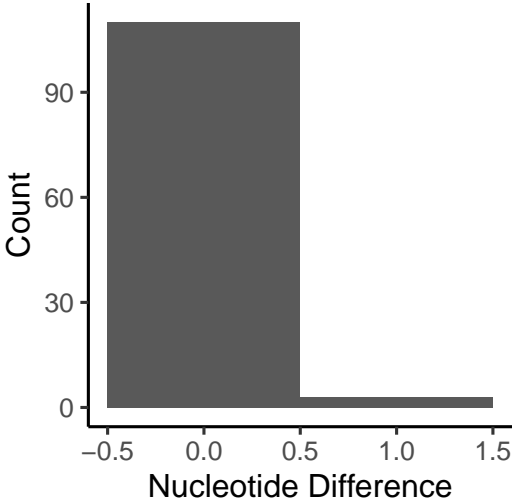
TRBV5-8\*ap01

206 sequences assigned  
204 (99%) exact matches, in which:  
198 unique CDR3  
13 unique J



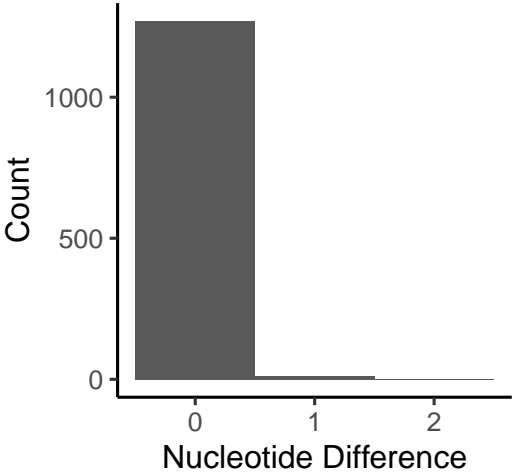
TRBV6-7\*ap01

113 sequences assigned  
110 (97.3%) exact matches, in which:  
109 unique CDR3  
13 unique J



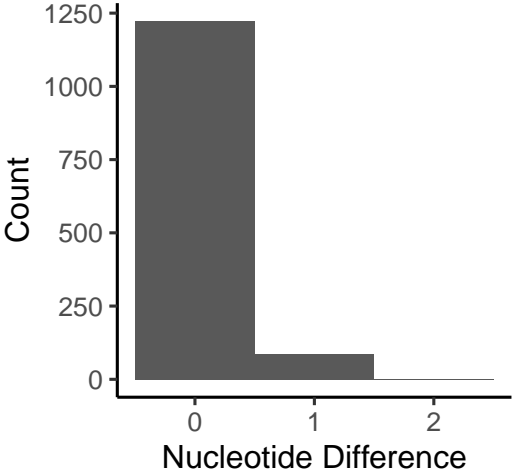
TRBV5-6\*ap01

1283 sequences assigned  
1270 (99%) exact matches, in which:  
1244 unique CDR3  
13 unique J



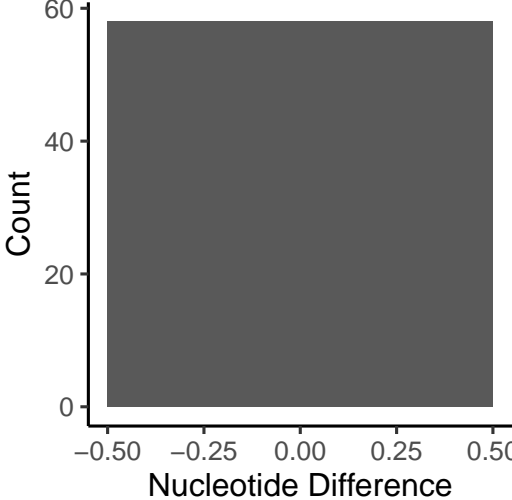
TRBV6-1\*ap01

1311 sequences assigned  
1223 (93.3%) exact matches, in which:  
1198 unique CDR3  
13 unique J



TRBV6-8\*ap01

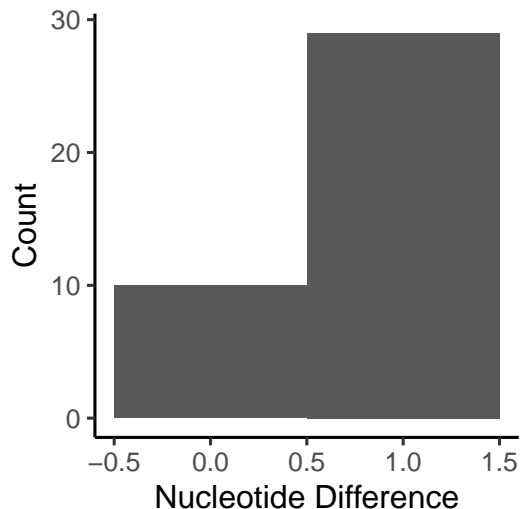
58 sequences assigned  
58 (100%) exact matches, in which:  
55 unique CDR3  
13 unique J





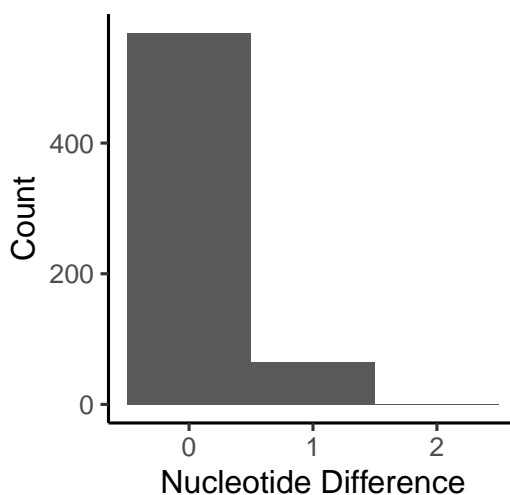
### TRBV6-9\*ap01

39 sequences assigned  
10 (25.6%) exact matches, in which:  
10 unique CDR3  
7 unique J



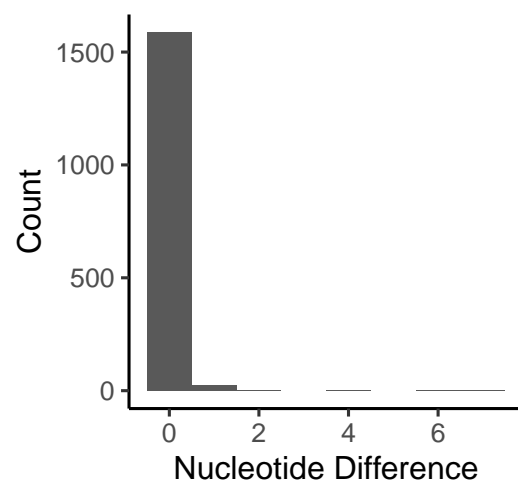
### TRBV6-56\*ap02

635 sequences assigned  
569 (89.6%) exact matches, in which:  
557 unique CDR3  
13 unique J



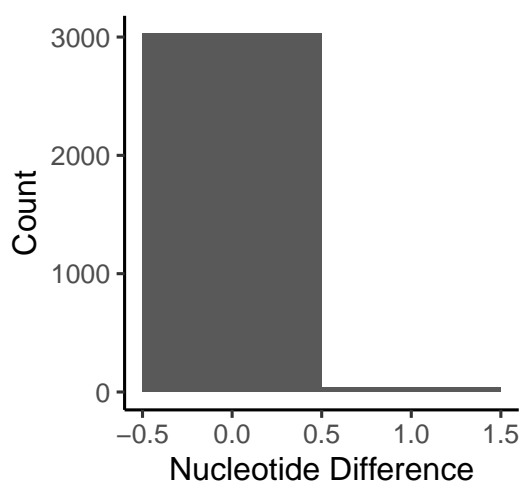
### TRBV7-3\*ap01

1618 sequences assigned  
1587 (98.1%) exact matches, in which:  
1562 unique CDR3  
13 unique J



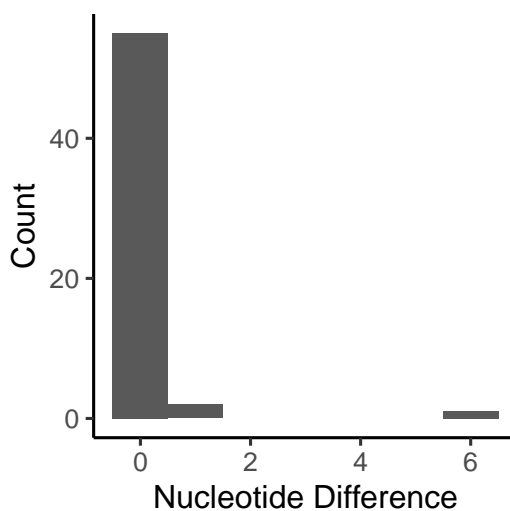
### TRBV6-23\*ap01

3065 sequences assigned  
3028 (98.8%) exact matches, in which:  
2949 unique CDR3  
13 unique J



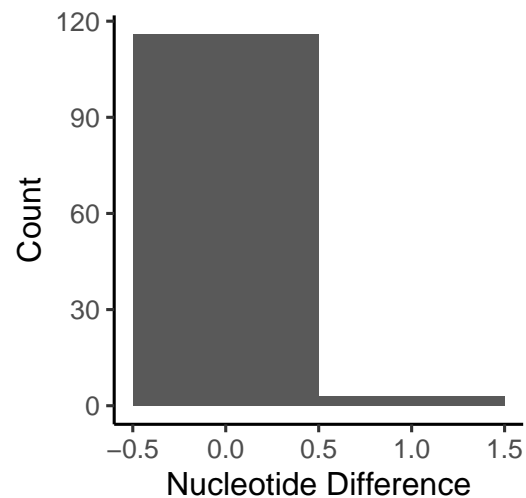
### TRBV7-1\*ap01\_G291C\_T

58 sequences assigned  
55 (94.8%) exact matches, in which:  
51 unique CDR3  
10 unique J



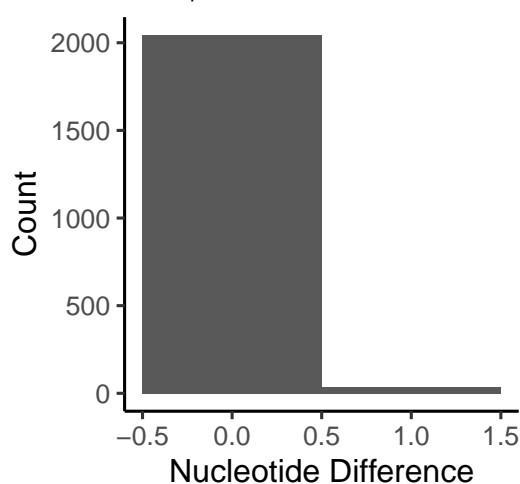
### TRBV7-4\*ap01

119 sequences assigned  
116 (97.5%) exact matches, in which:  
113 unique CDR3  
13 unique J



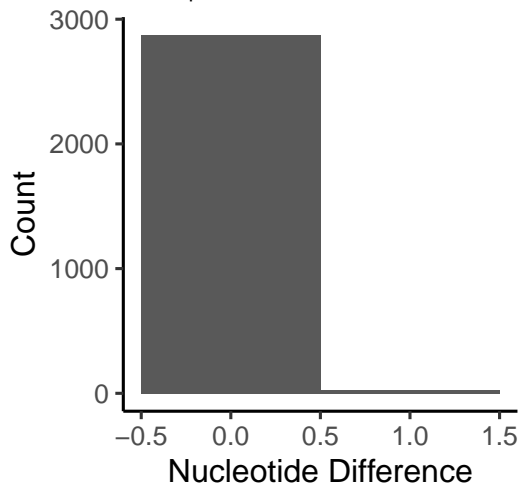
### TRBV6-56\*ap01

2079 sequences assigned  
2044 (98.3%) exact matches, in which:  
1979 unique CDR3  
13 unique J



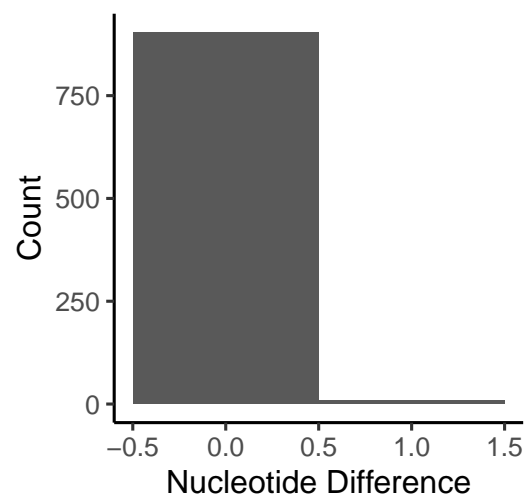
### TRBV7-2\*ap01

2899 sequences assigned  
2873 (99.1%) exact matches, in which:  
2821 unique CDR3  
13 unique J



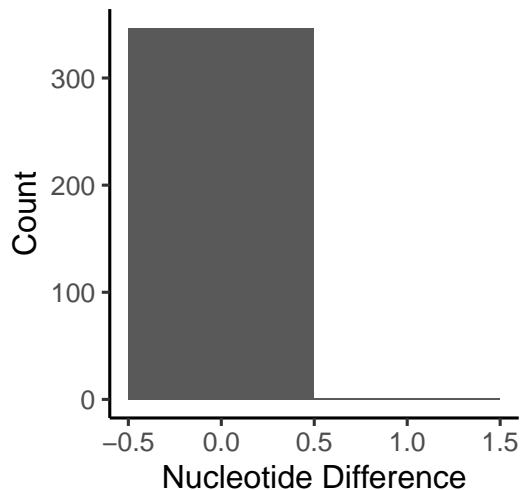
### TRBV7-6\*ap01

913 sequences assigned  
904 (99%) exact matches, in which:  
881 unique CDR3  
13 unique J



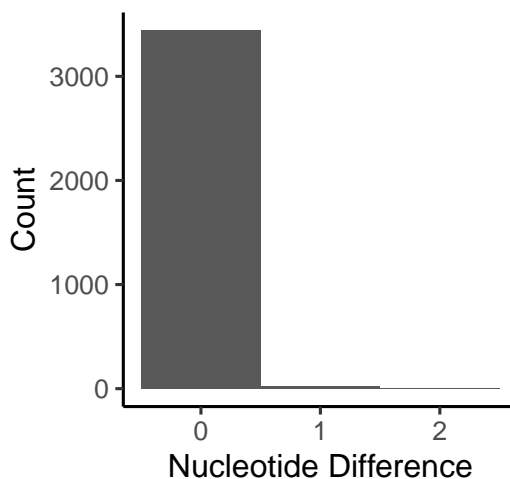
### TRBV7-7\*ap01

348 sequences assigned  
347 (99.7%) exact matches, in which:  
339 unique CDR3  
13 unique J



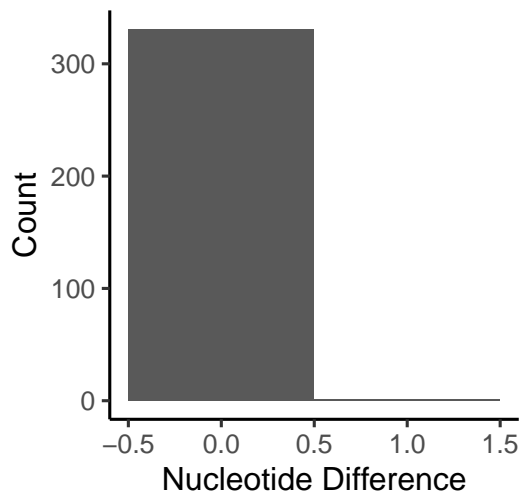
### TRBV7-9\*ap01

3464 sequences assigned  
3441 (99.3%) exact matches, in which:  
3379 unique CDR3  
13 unique J



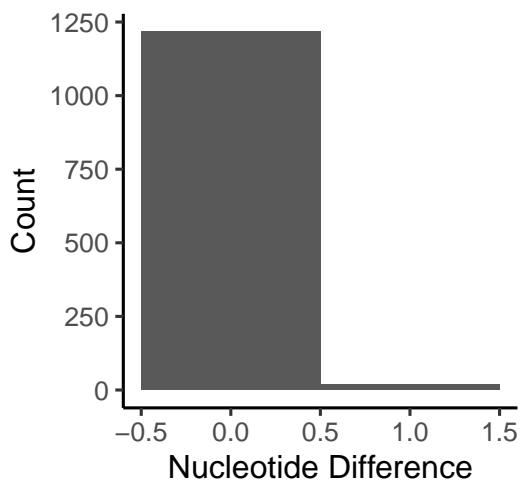
### TRBV7-8\*ap01

332 sequences assigned  
331 (99.7%) exact matches, in which:  
319 unique CDR3  
13 unique J



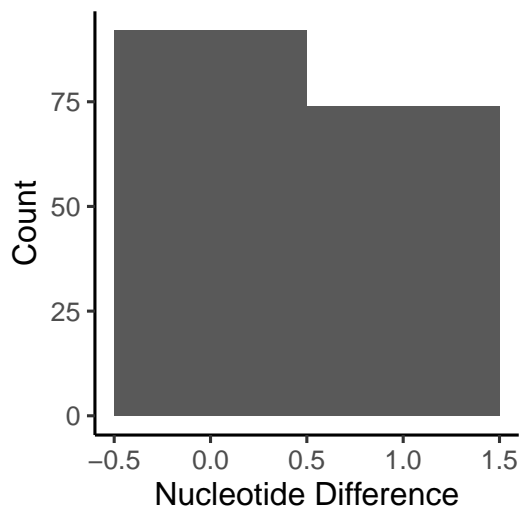
### TRBV29-1\*ap01

1234 sequences assigned  
1217 (98.6%) exact matches, in which:  
1178 unique CDR3  
13 unique J



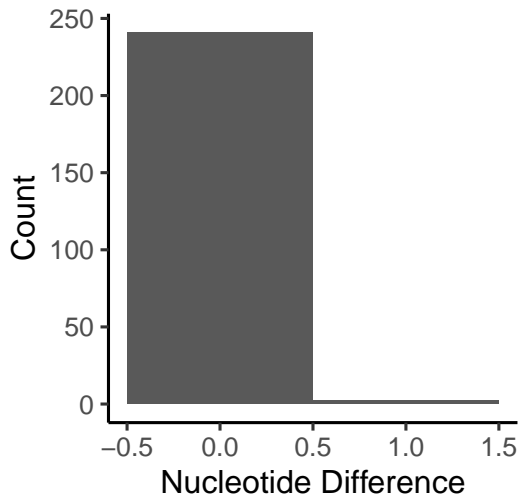
### TRBV7-8\*ap03

166 sequences assigned  
92 (55.4%) exact matches, in which:  
92 unique CDR3  
13 unique J

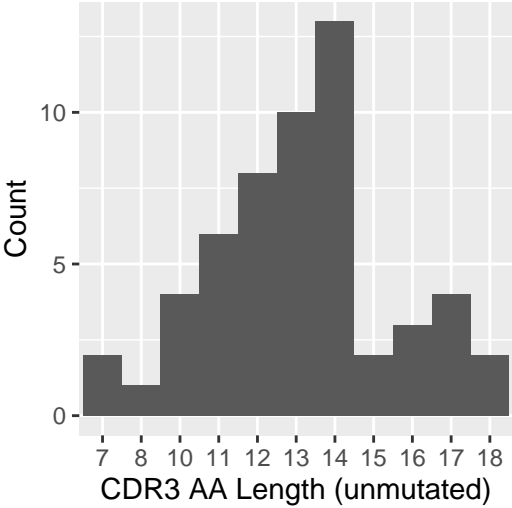


### TRBV29-1\*ap02

243 sequences assigned  
241 (99.2%) exact matches, in which:  
238 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C





[illegible]