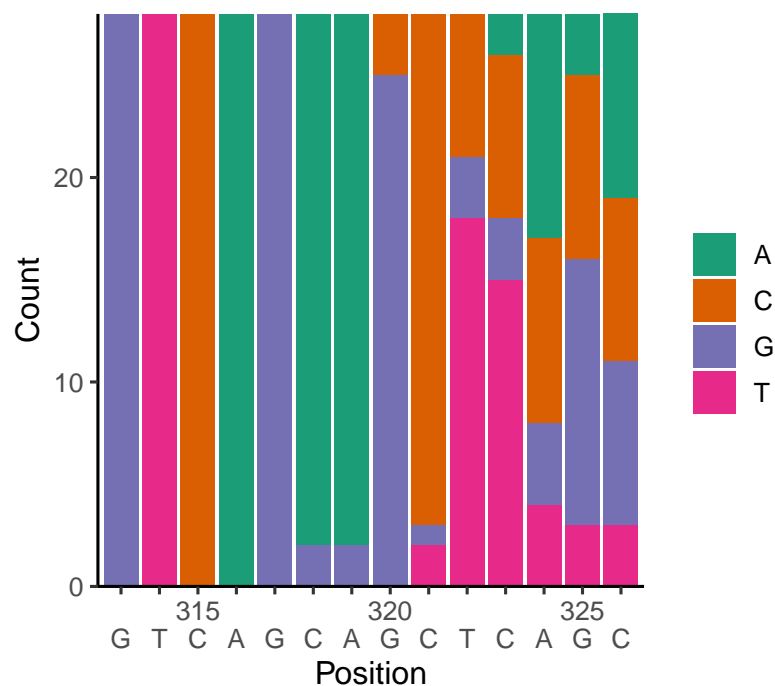
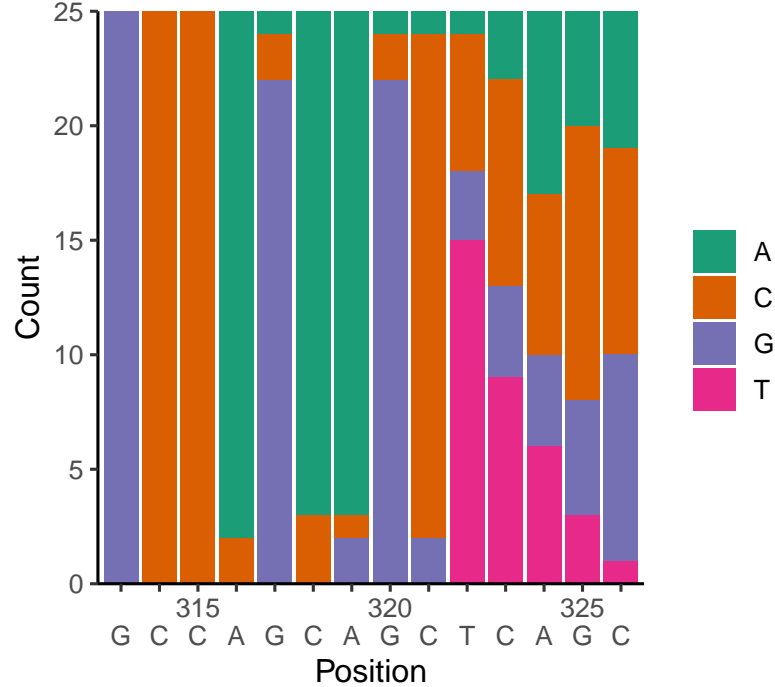


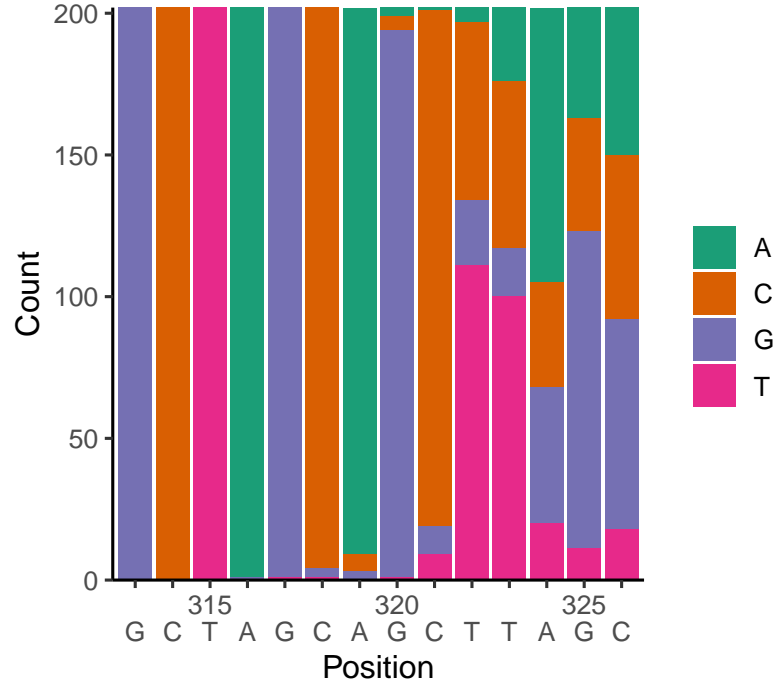
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



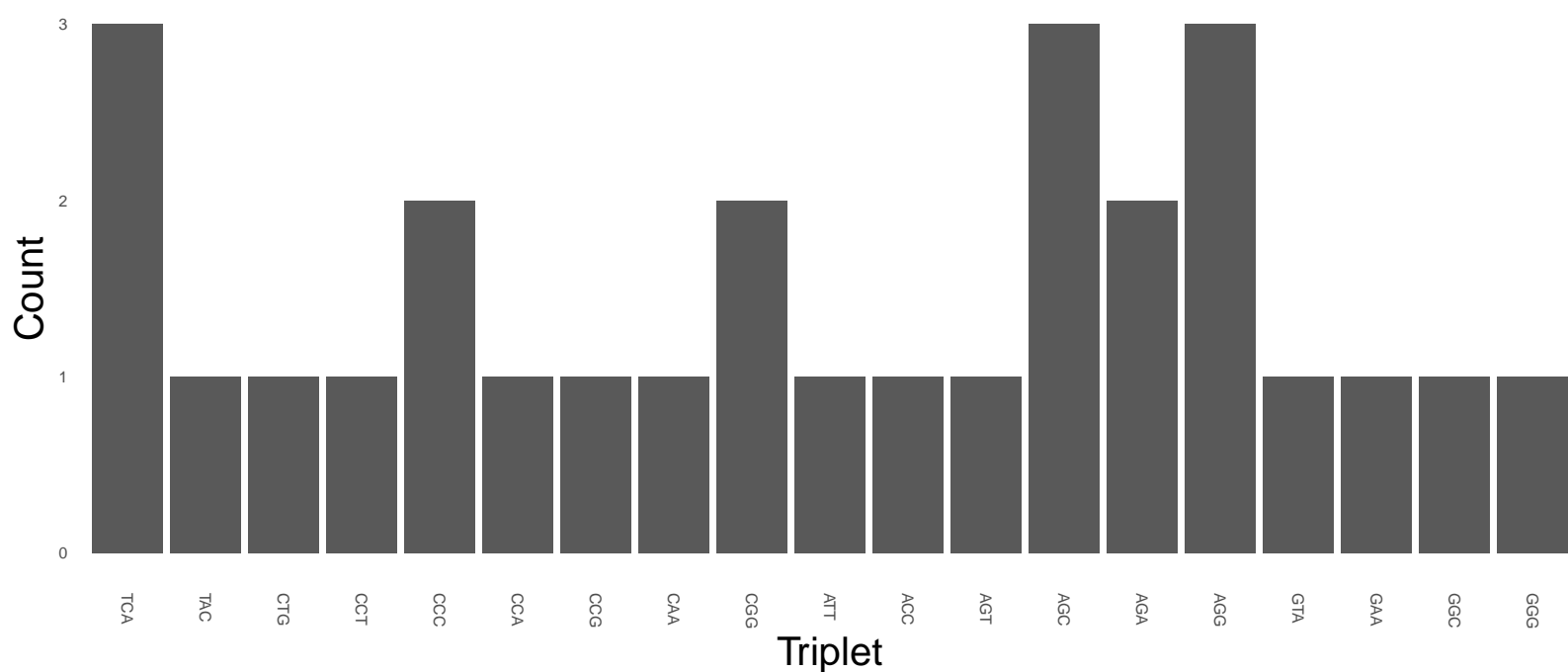
Gene TRBV7-1\*ap01\_G291C\_T296C



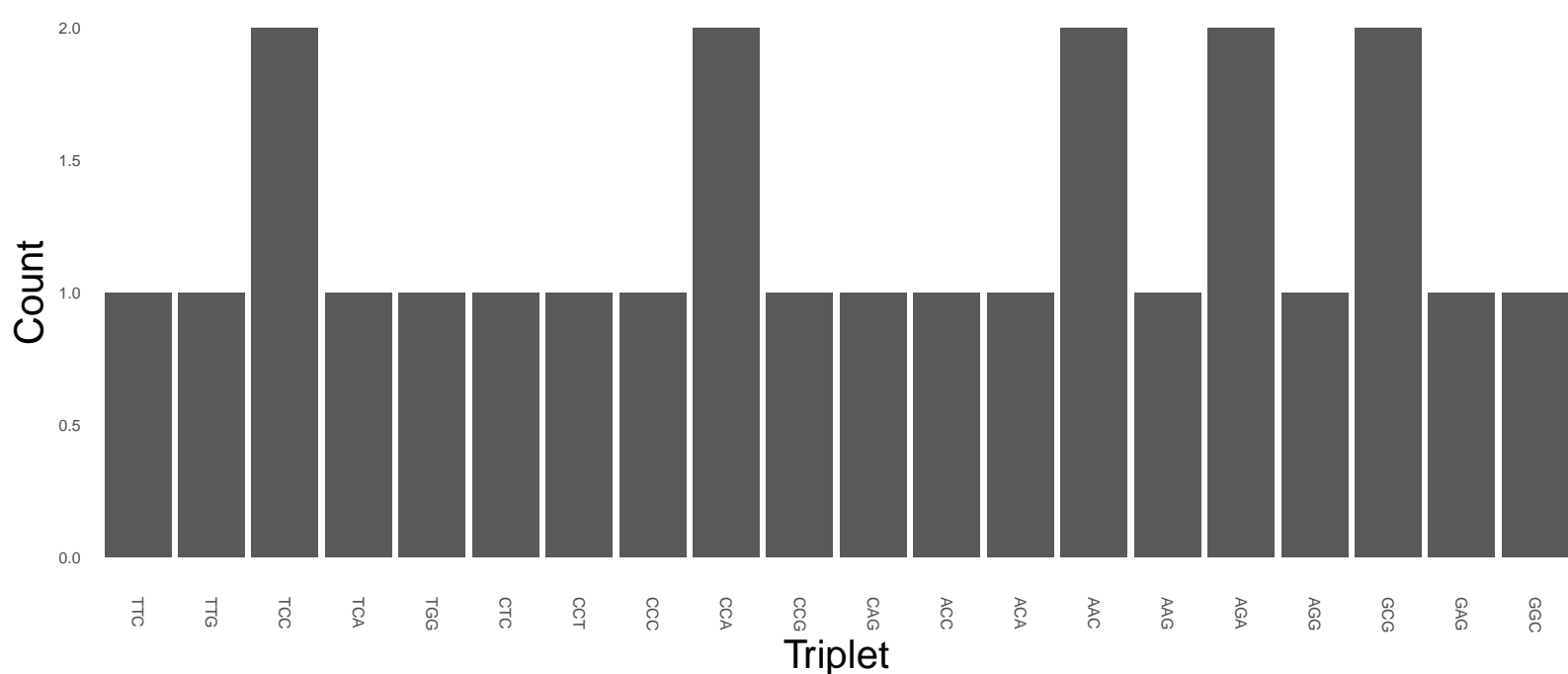
Gene TRBV7-7\*ap01\_C315T



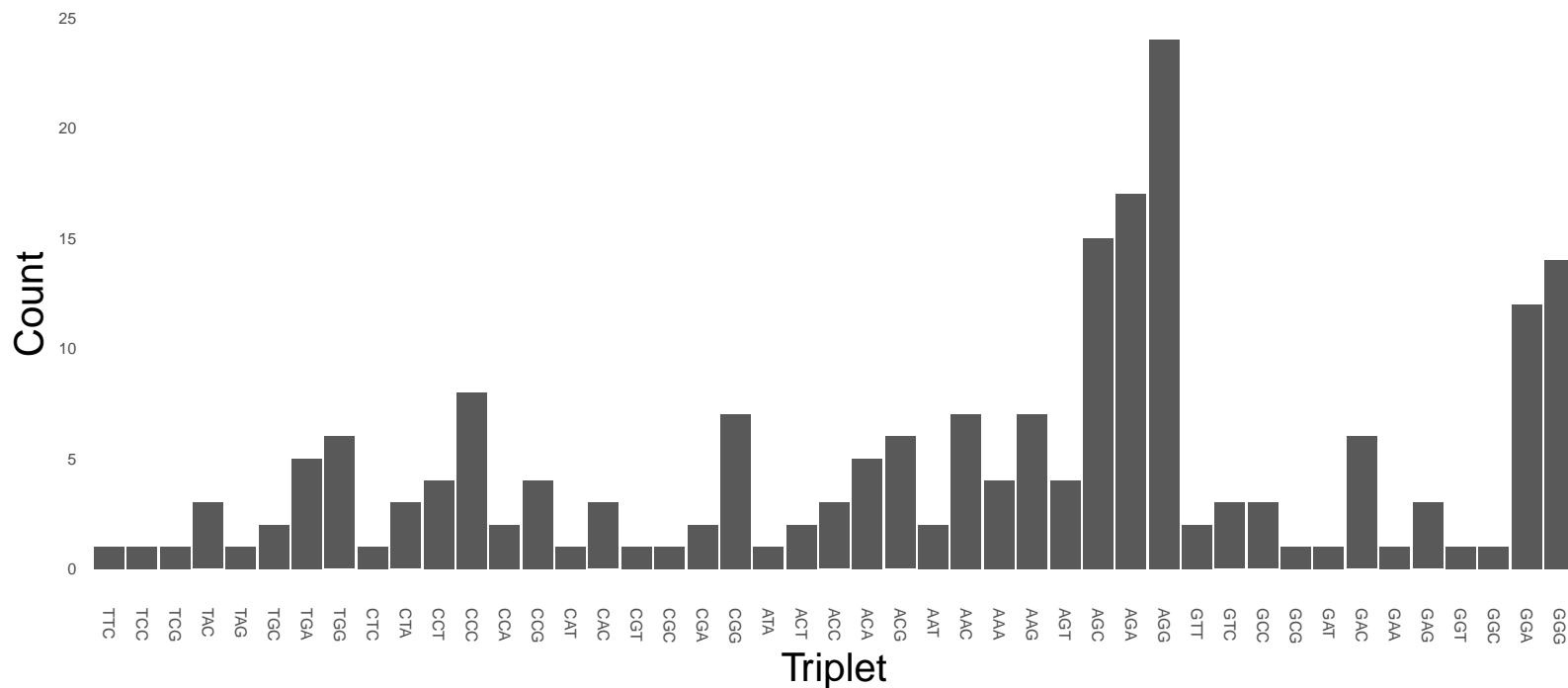
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

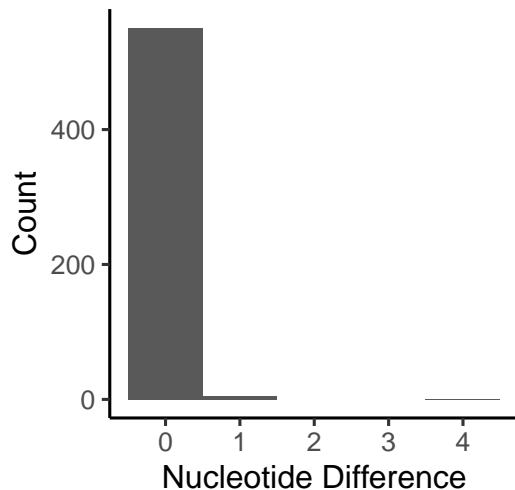


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



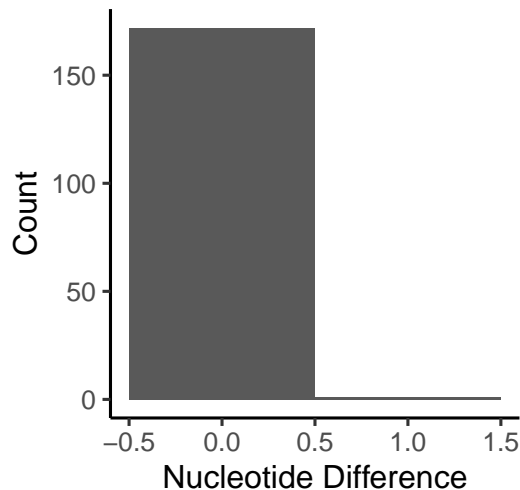
### TRBV10–1\*ap01

557 sequences assigned  
551 (98.9%) exact matches, in which:  
540 unique CDR3  
13 unique J



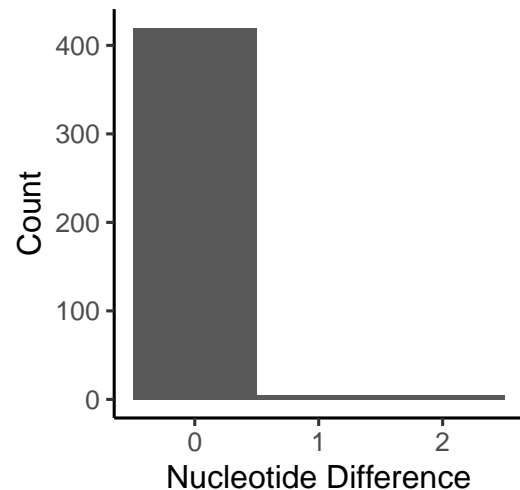
### TRBV10–2\*ap01

173 sequences assigned  
172 (99.4%) exact matches, in which:  
170 unique CDR3  
12 unique J



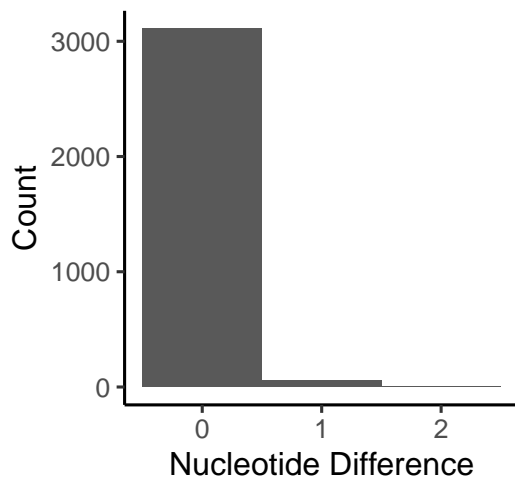
### TRBV13\*ap01

430 sequences assigned  
420 (97.7%) exact matches, in which:  
399 unique CDR3  
13 unique J



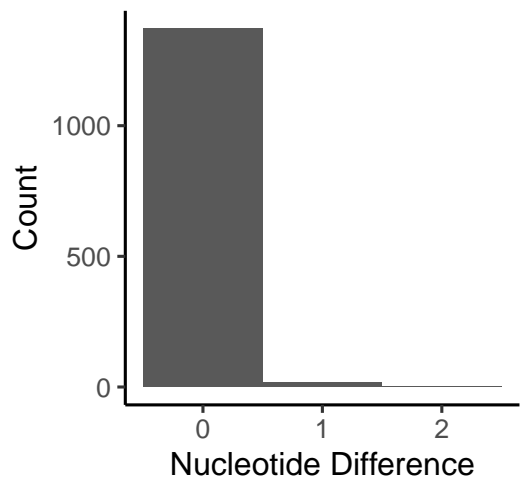
### TRBV20–1\*ap01

3170 sequences assigned  
3109 (98.1%) exact matches, in which:  
3044 unique CDR3  
13 unique J



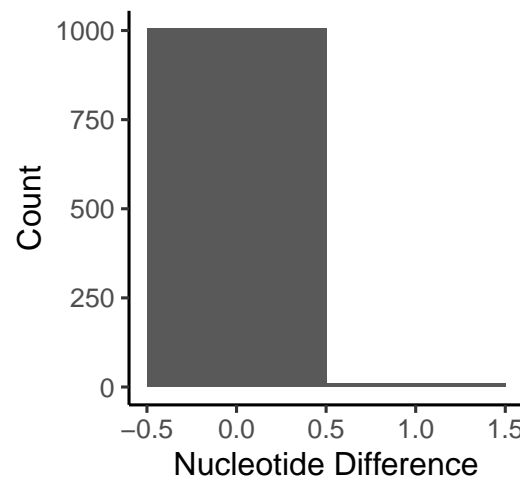
### TRBV10–3\*ap01

1390 sequences assigned  
1371 (98.6%) exact matches, in which:  
1337 unique CDR3  
13 unique J



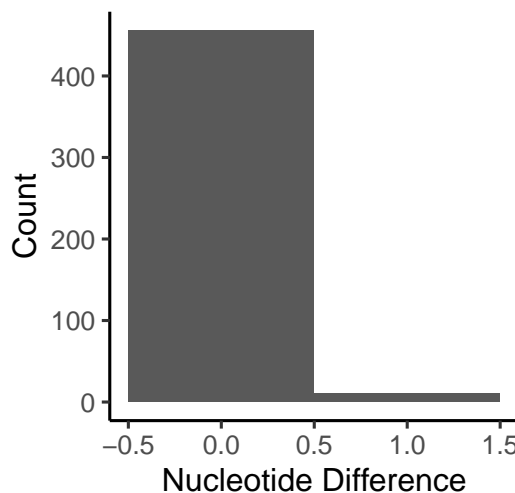
### TRBV14\*ap01

1015 sequences assigned  
1005 (99%) exact matches, in which:  
975 unique CDR3  
13 unique J



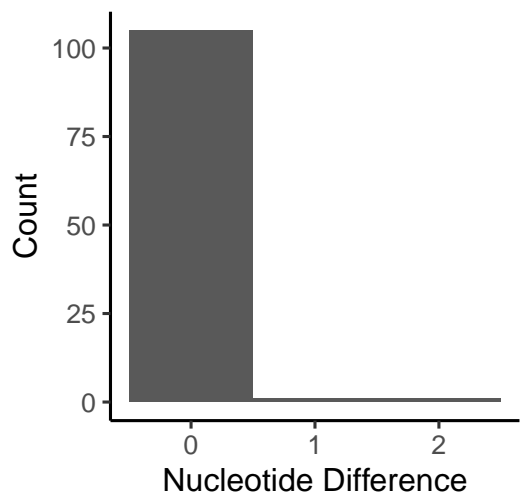
### TRBV20–1\*ap02

466 sequences assigned  
456 (97.9%) exact matches, in which:  
451 unique CDR3  
13 unique J



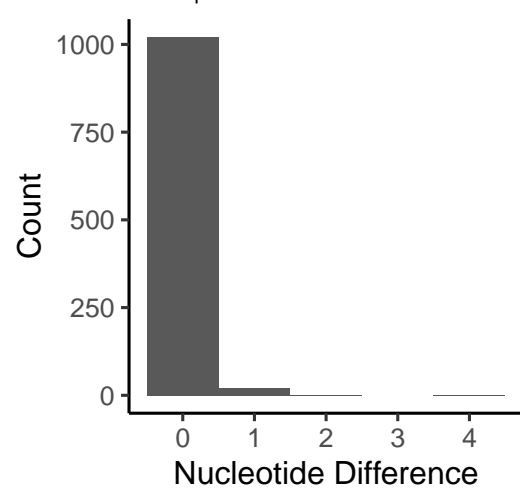
### TRBV1\*ap01

107 sequences assigned  
105 (98.1%) exact matches, in which:  
104 unique CDR3  
13 unique J



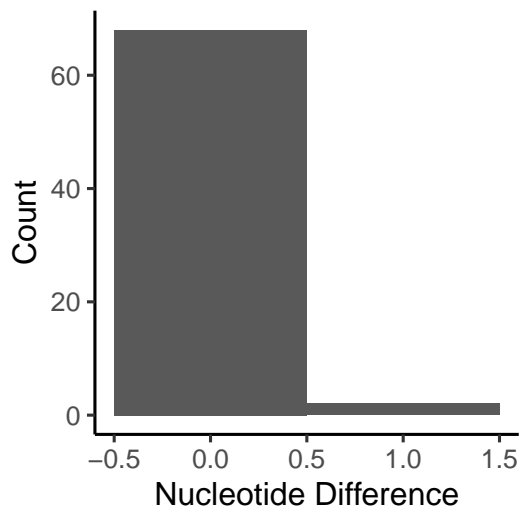
### TRBV15\*ap02

1044 sequences assigned  
1021 (97.8%) exact matches, in which:  
994 unique CDR3  
13 unique J



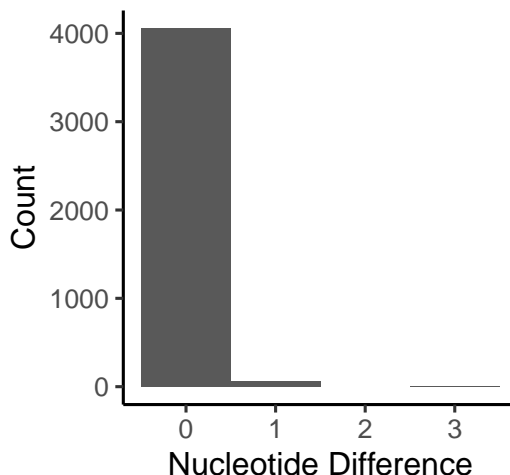
### TRBV16\*ap01

70 sequences assigned  
68 (97.1%) exact matches, in which:  
67 unique CDR3  
12 unique J



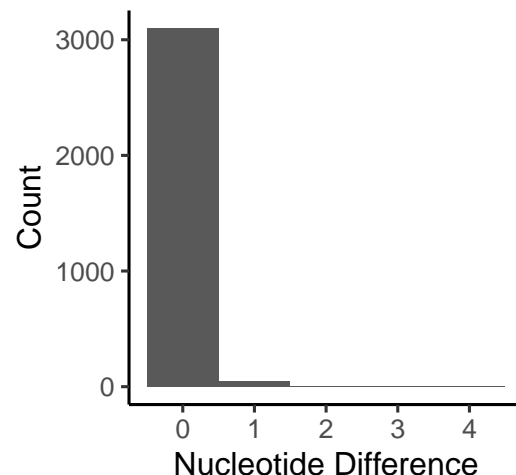
### TRBV19\*ap01

4118 sequences assigned  
4056 (98.5%) exact matches, in which:  
3983 unique CDR3  
13 unique J



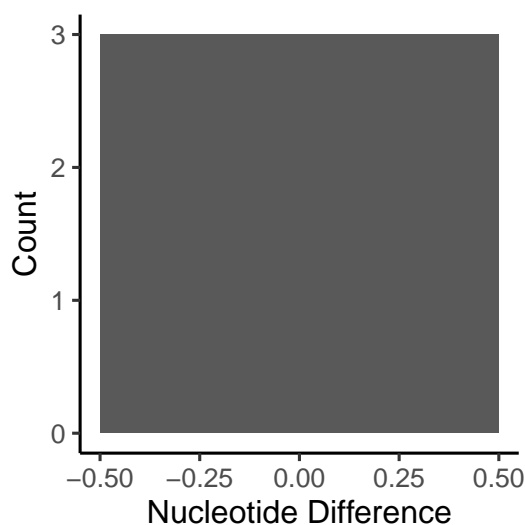
### TRBV28\*ap01

3146 sequences assigned  
3098 (98.5%) exact matches, in which:  
3045 unique CDR3  
13 unique J



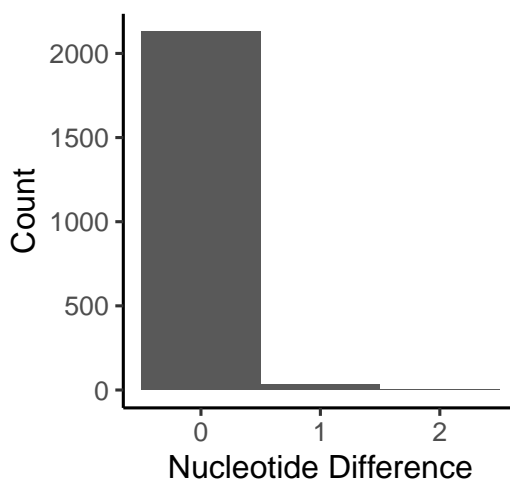
### TRBV17\*ap01

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



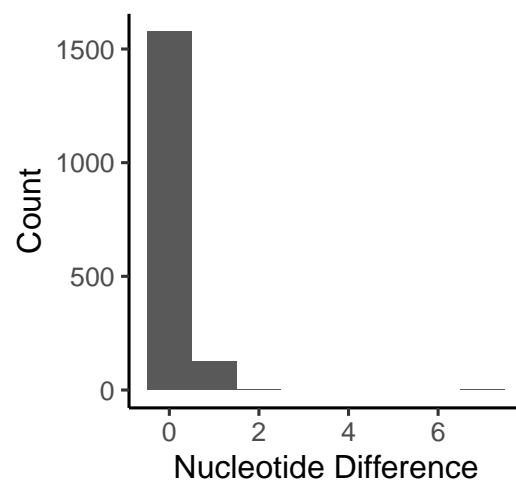
### TRBV2\*ap01

2163 sequences assigned  
2129 (98.4%) exact matches, in which:  
2081 unique CDR3  
13 unique J



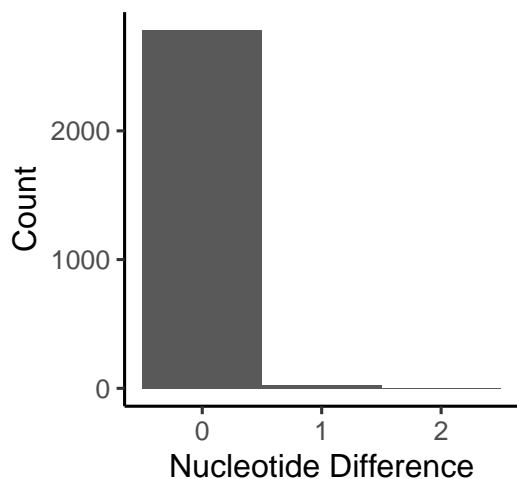
### TRBV30\*ap01

1707 sequences assigned  
1576 (92.3%) exact matches, in which:  
1549 unique CDR3  
14 unique J



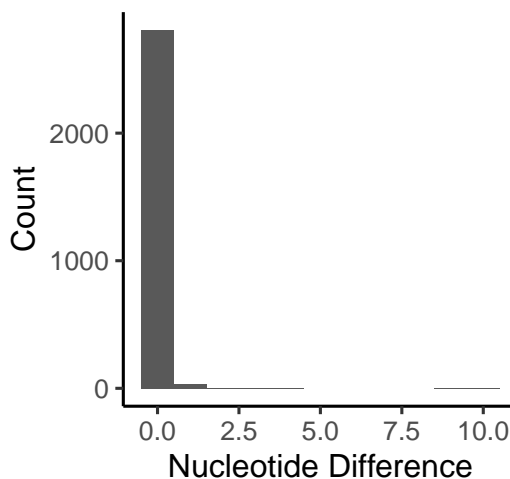
### TRBV18\*ap01

2811 sequences assigned  
2783 (99%) exact matches, in which:  
2737 unique CDR3  
13 unique J



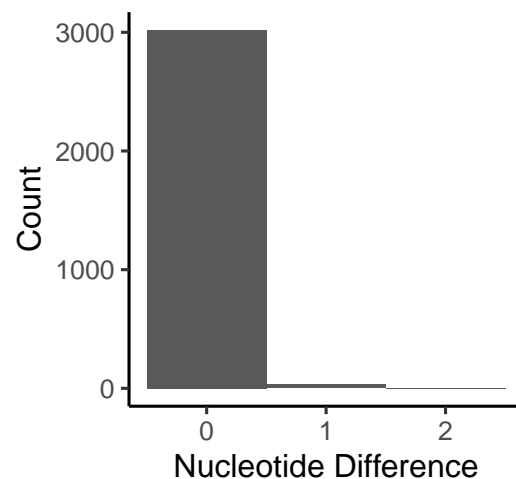
### TRBV27\*ap01

2851 sequences assigned  
2808 (98.5%) exact matches, in which:  
2748 unique CDR3  
13 unique J



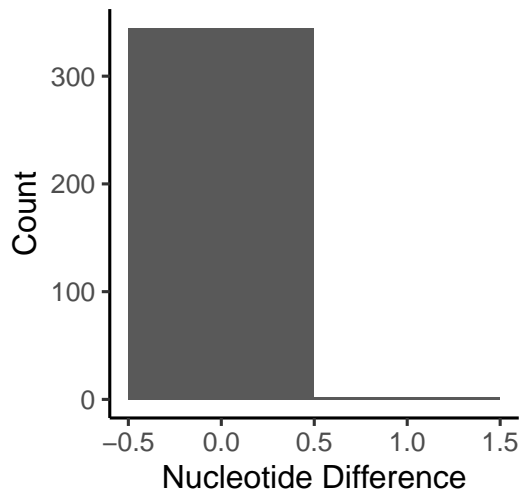
### TRBV9\*ap01

3053 sequences assigned  
3019 (98.9%) exact matches, in which:  
2950 unique CDR3  
13 unique J



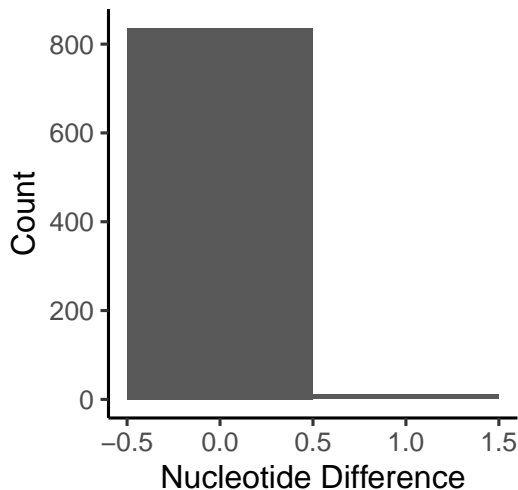
### TRBV11–1\*ap01

347 sequences assigned  
345 (99.4%) exact matches, in which:  
334 unique CDR3  
13 unique J



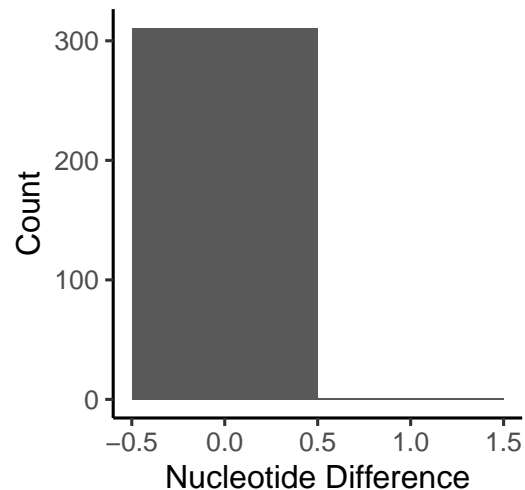
### TRBV11–3\*ap01

848 sequences assigned  
837 (98.7%) exact matches, in which:  
814 unique CDR3  
13 unique J



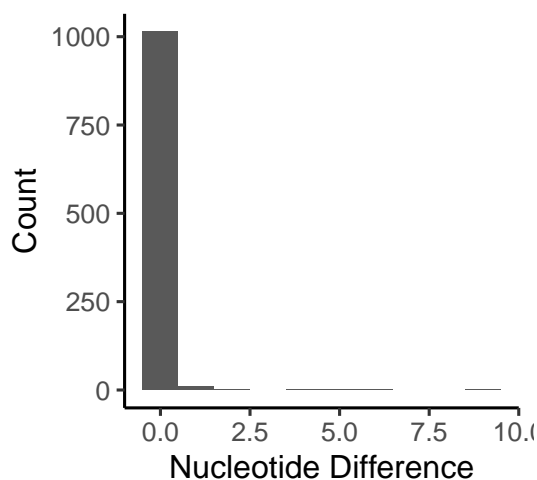
### TRBV12–5\*ap01

312 sequences assigned  
311 (99.7%) exact matches, in which:  
303 unique CDR3  
13 unique J



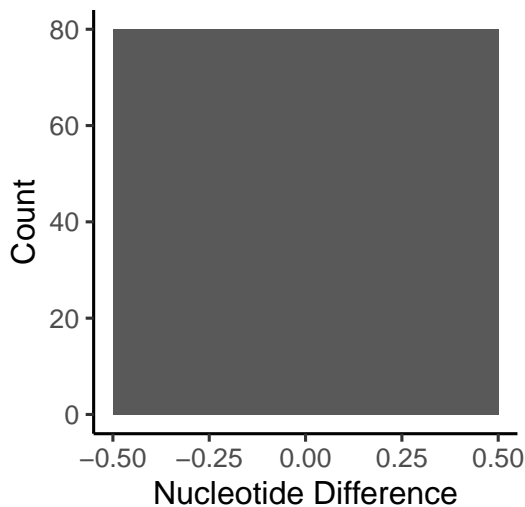
### TRBV21–1\*ap01

1031 sequences assigned  
1014 (98.4%) exact matches, in which:  
1003 unique CDR3  
13 unique J



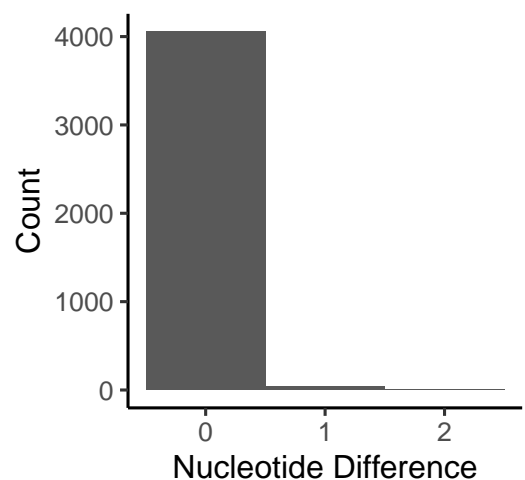
### TRBV12–1\*ap01

80 sequences assigned  
80 (100%) exact matches, in which:  
78 unique CDR3  
13 unique J



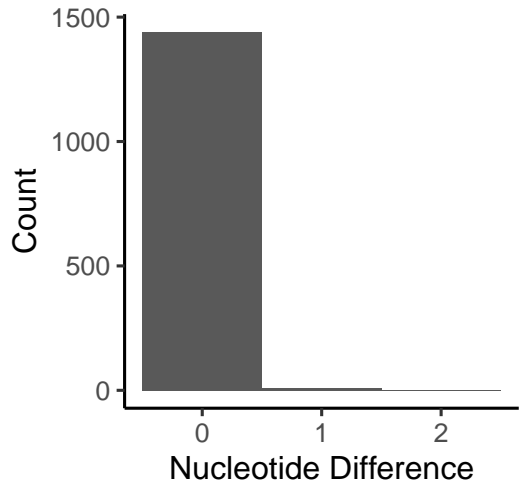
### TRBV12–34\*ap01

4103 sequences assigned  
4055 (98.8%) exact matches, in which:  
3972 unique CDR3  
13 unique J



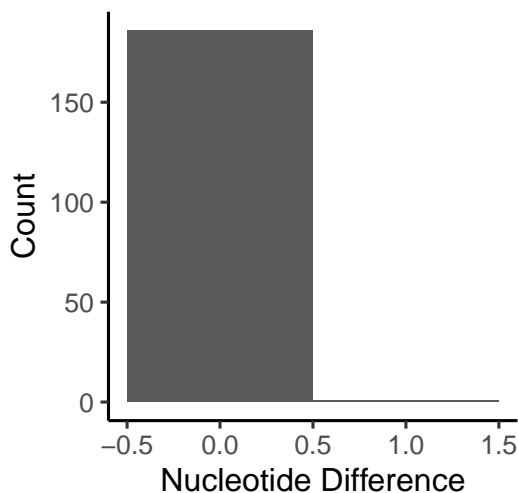
### TRBV11–2\*ap01

1451 sequences assigned  
1440 (99.2%) exact matches, in which:  
1411 unique CDR3  
13 unique J



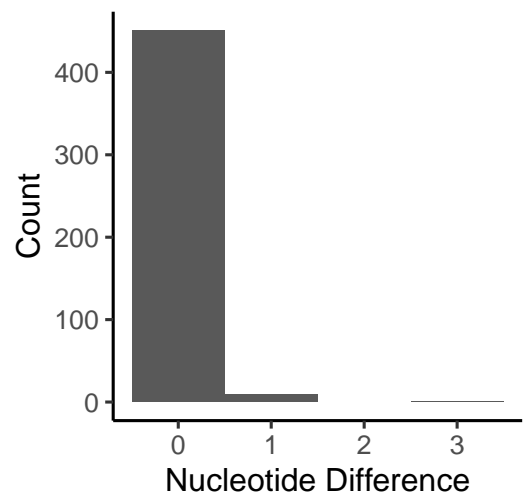
### TRBV12–2\*ap01

187 sequences assigned  
186 (99.5%) exact matches, in which:  
184 unique CDR3  
13 unique J



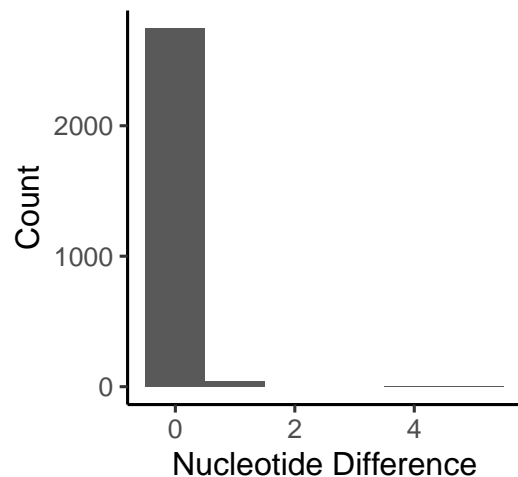
### TRBV23–1\*ap01

461 sequences assigned  
451 (97.8%) exact matches, in which:  
445 unique CDR3  
13 unique J



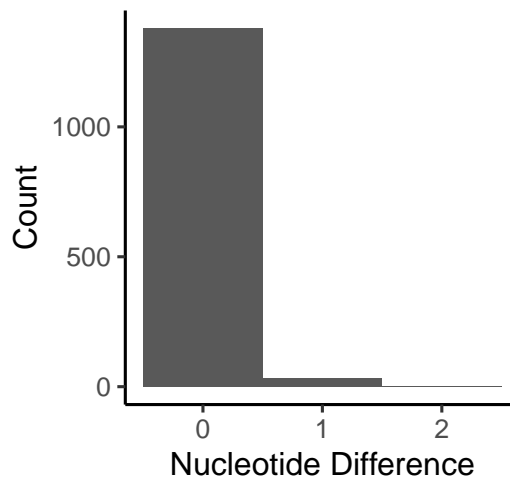
### TRBV3-12\*ap01

2790 sequences assigned  
2746 (98.4%) exact matches, in which:  
2688 unique CDR3  
13 unique J



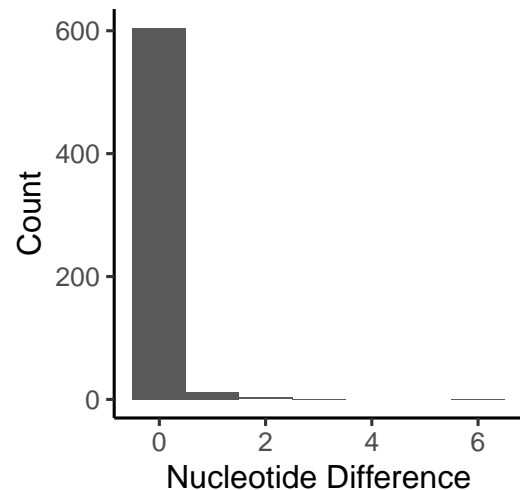
### TRBV4-2\*ap01

1412 sequences assigned  
1379 (97.7%) exact matches, in which:  
1353 unique CDR3  
13 unique J



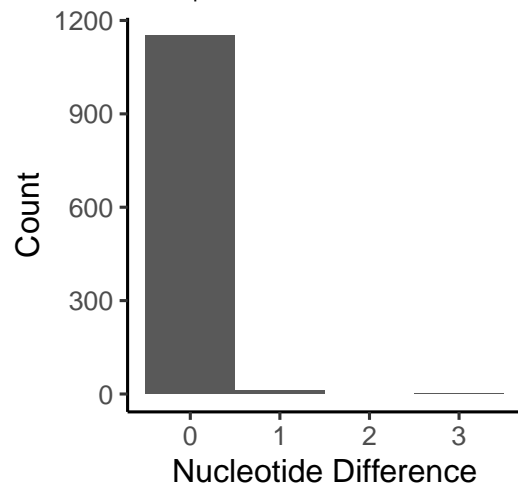
### TRBV25-1\*ap01

622 sequences assigned  
605 (97.3%) exact matches, in which:  
592 unique CDR3  
13 unique J



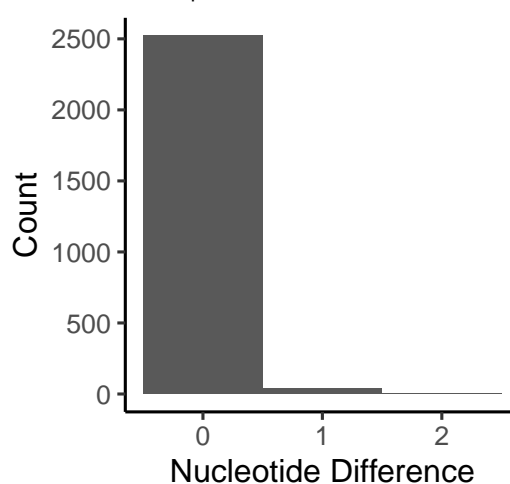
### TRBV4-1\*ap01

1163 sequences assigned  
1151 (99%) exact matches, in which:  
1125 unique CDR3  
13 unique J



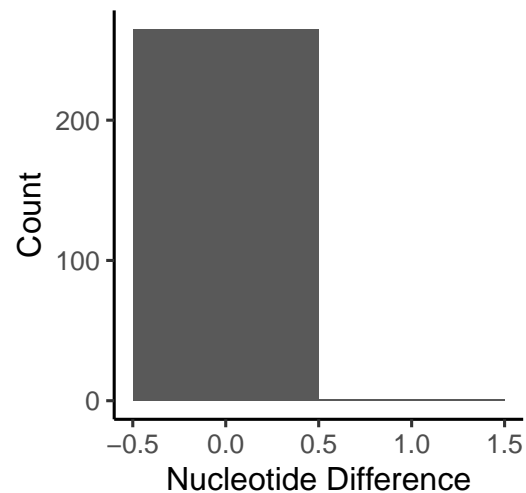
### TRBV4-3\*ap01

2562 sequences assigned  
2522 (98.4%) exact matches, in which:  
2480 unique CDR3  
13 unique J



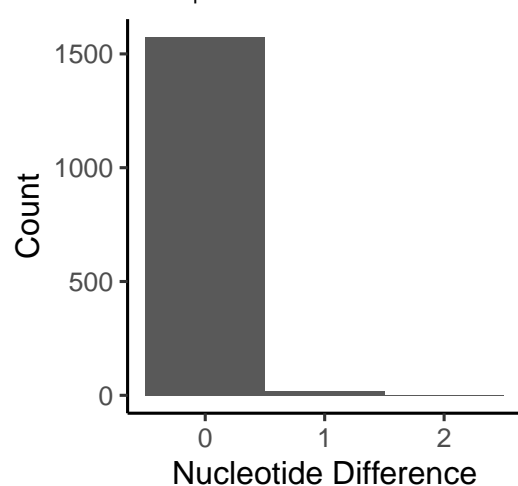
### TRBV5-3\*ap01

266 sequences assigned  
265 (99.6%) exact matches, in which:  
259 unique CDR3  
13 unique J



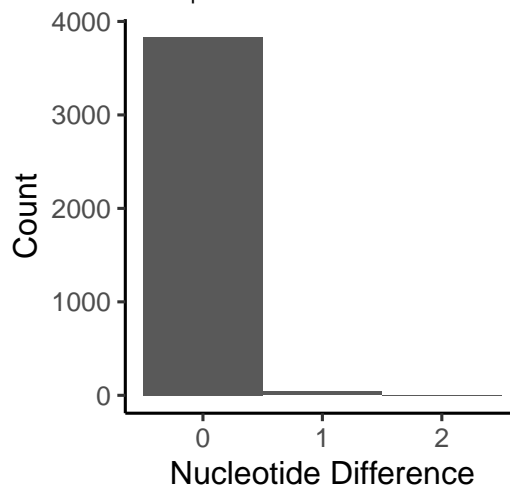
### TRBV24-1\*ap01

1593 sequences assigned  
1574 (98.8%) exact matches, in which:  
1545 unique CDR3  
13 unique J



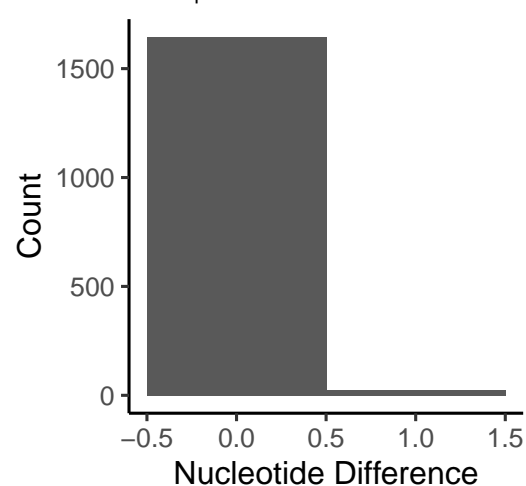
### TRBV5-1\*ap01

3877 sequences assigned  
3833 (98.9%) exact matches, in which:  
3706 unique CDR3  
13 unique J



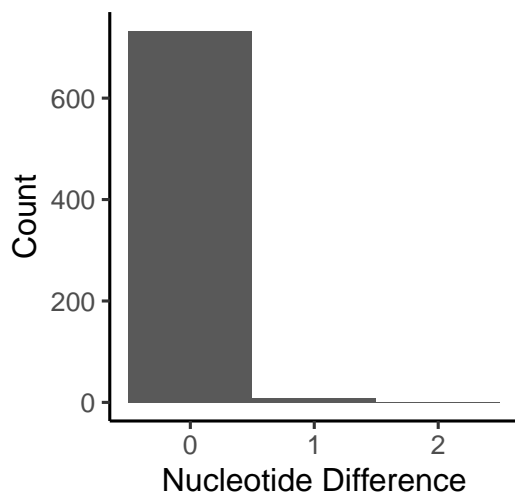
### TRBV5-4\*ap01

1668 sequences assigned  
1645 (98.6%) exact matches, in which:  
1616 unique CDR3  
13 unique J



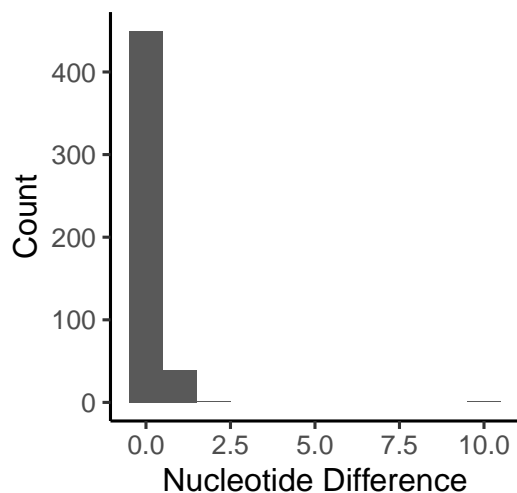
### TRBV5-5\*ap01

743 sequences assigned  
733 (98.7%) exact matches, in which:  
721 unique CDR3  
13 unique J



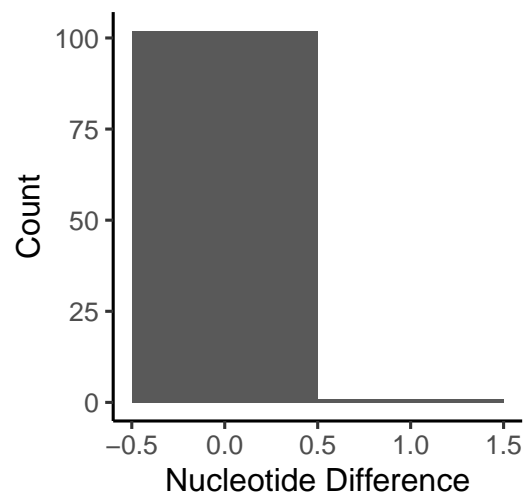
### TRBV5-8\*ap01

491 sequences assigned  
450 (91.6%) exact matches, in which:  
442 unique CDR3  
13 unique J



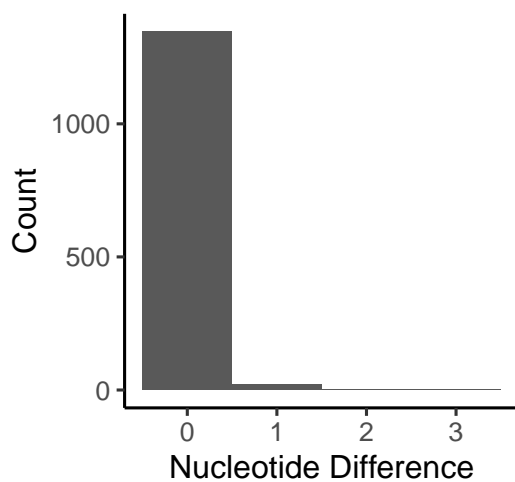
### TRBV6-7\*ap01

103 sequences assigned  
102 (99%) exact matches, in which:  
99 unique CDR3  
12 unique J



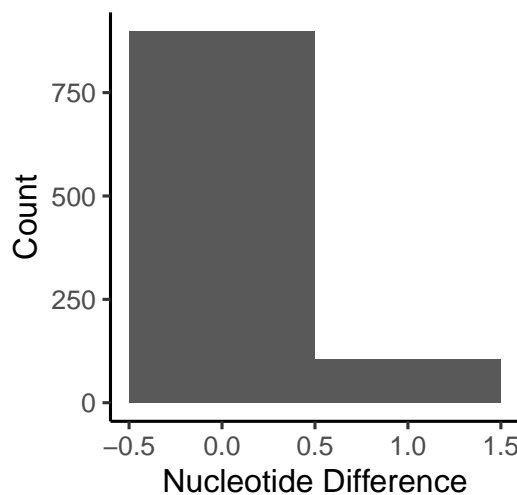
### TRBV5-6\*ap01

1370 sequences assigned  
1346 (98.2%) exact matches, in which:  
1301 unique CDR3  
13 unique J



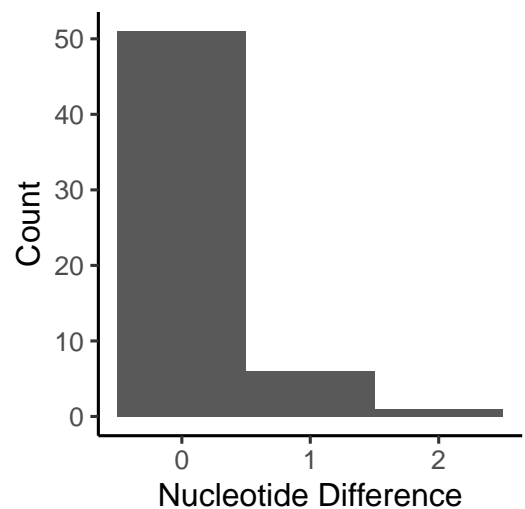
### TRBV6-1\*ap01

1004 sequences assigned  
899 (89.5%) exact matches, in which:  
877 unique CDR3  
13 unique J



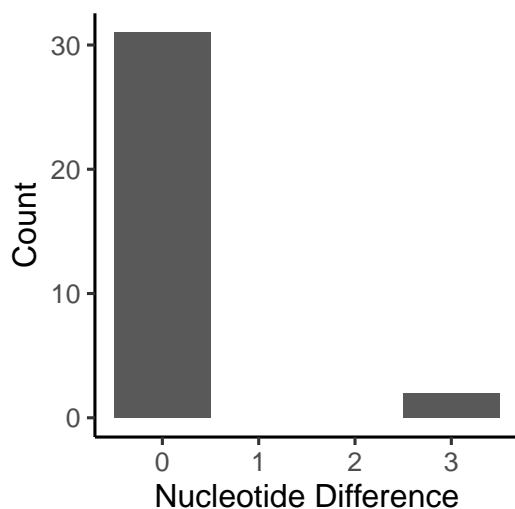
### TRBV6-8\*ap01

58 sequences assigned  
51 (87.9%) exact matches, in which:  
48 unique CDR3  
13 unique J



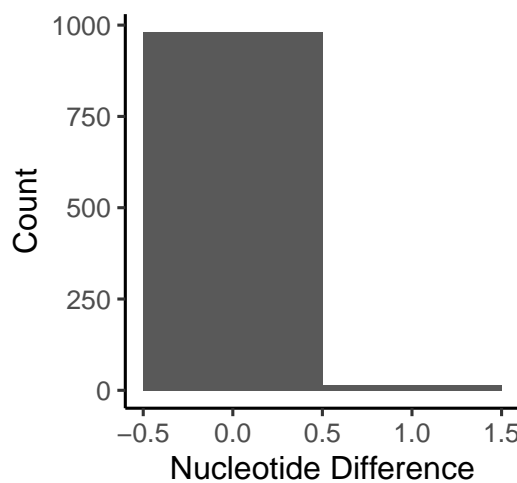
### TRBV5-7\*ap01

33 sequences assigned  
31 (93.9%) exact matches, in which:  
29 unique CDR3  
11 unique J



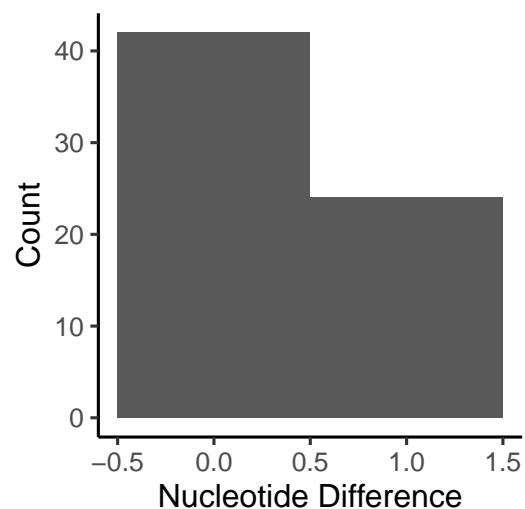
### TRBV6-4\*ap01

996 sequences assigned  
981 (98.5%) exact matches, in which:  
962 unique CDR3  
13 unique J



### TRBV6-9\*ap01

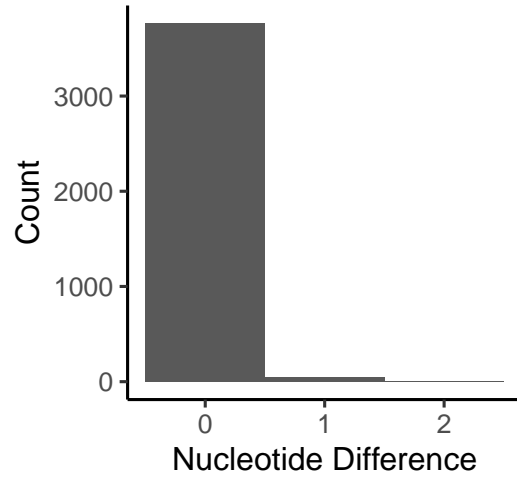
66 sequences assigned  
42 (63.6%) exact matches, in which:  
42 unique CDR3  
11 unique J





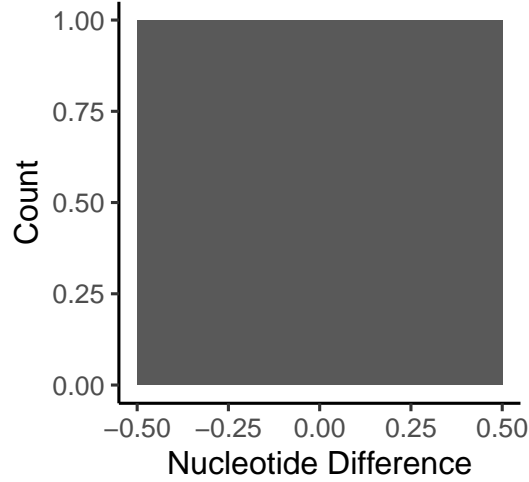
### TRBV6-23\*ap01

3813 sequences assigned  
3763 (98.7%) exact matches, in which:  
3682 unique CDR3  
13 unique J



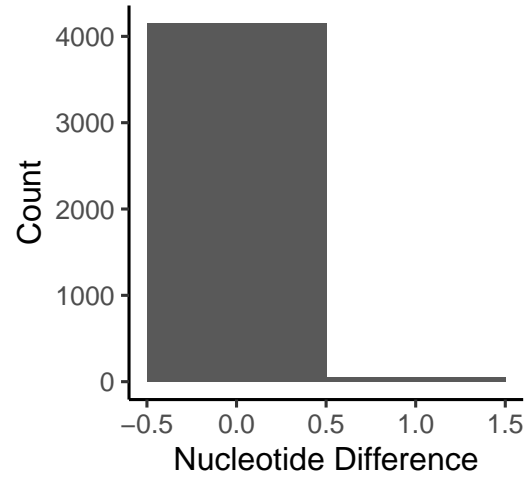
### TRBV7-1\*ap01

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



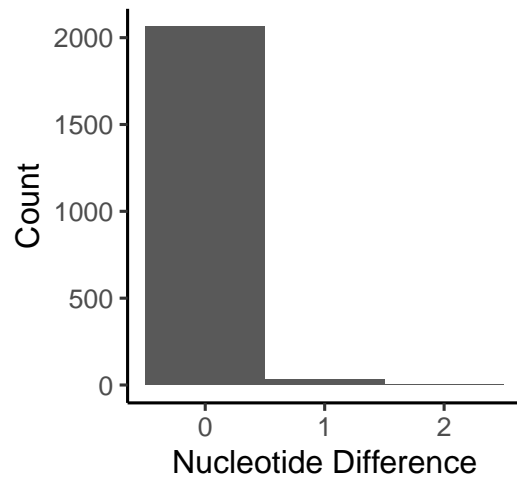
### TRBV7-2\*ap01

4206 sequences assigned  
4150 (98.7%) exact matches, in which:  
4062 unique CDR3  
13 unique J



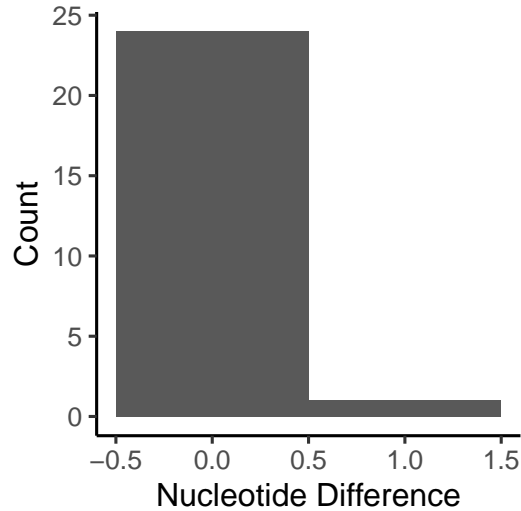
### TRBV6-56\*ap01

2098 sequences assigned  
2063 (98.3%) exact matches, in which:  
2013 unique CDR3  
13 unique J



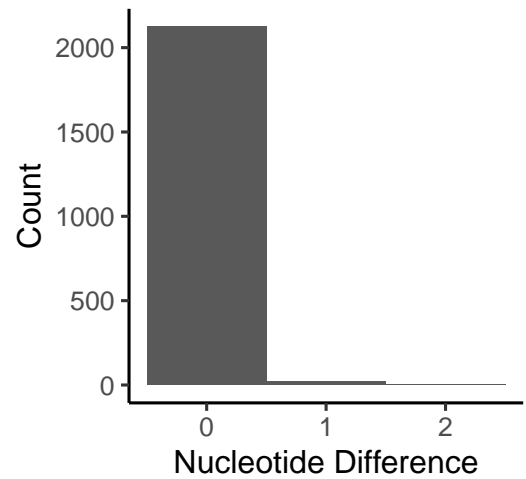
### TRBV7-1\*ap01\_G291C\_T

25 sequences assigned  
24 (96%) exact matches, in which:  
24 unique CDR3  
10 unique J



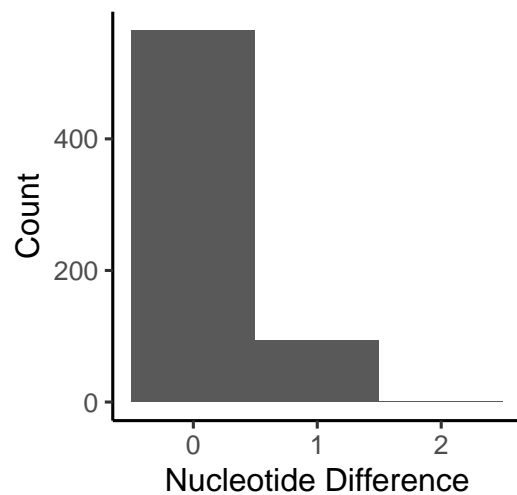
### TRBV7-3\*ap01

2148 sequences assigned  
2124 (98.9%) exact matches, in which:  
2076 unique CDR3  
13 unique J



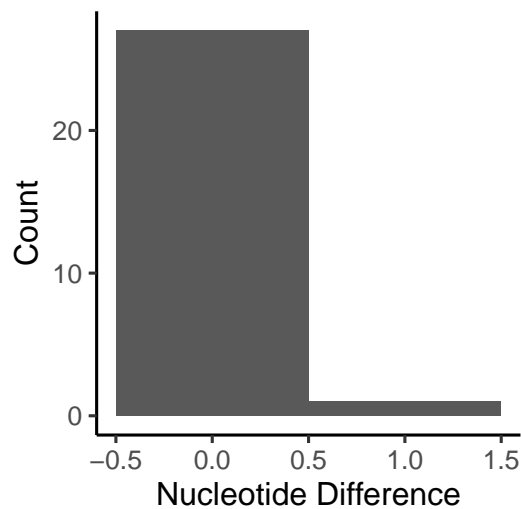
### TRBV6-56\*ap02

660 sequences assigned  
565 (85.6%) exact matches, in which:  
556 unique CDR3  
13 unique J



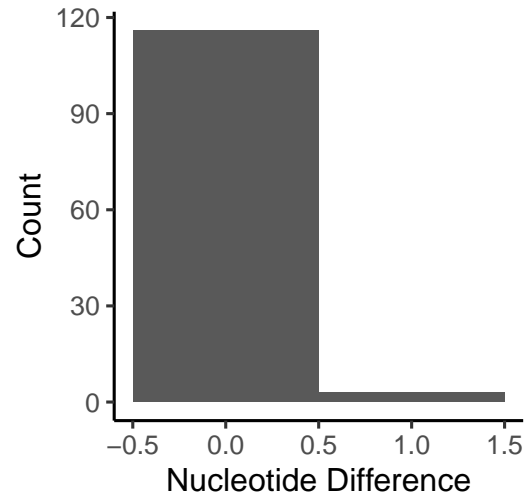
### TRBV7-1\*ap01\_G291C\_T

28 sequences assigned  
27 (96.4%) exact matches, in which:  
27 unique CDR3  
9 unique J



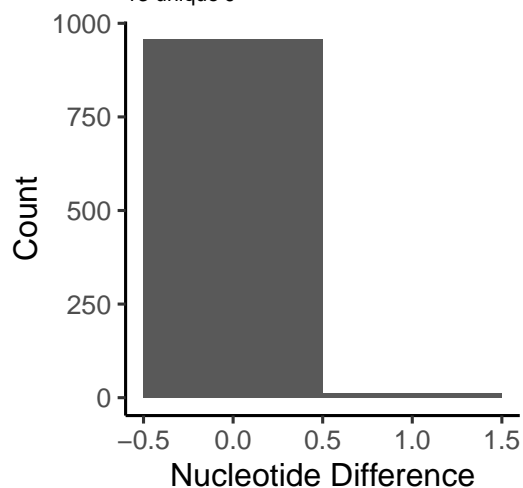
### TRBV7-4\*ap01

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



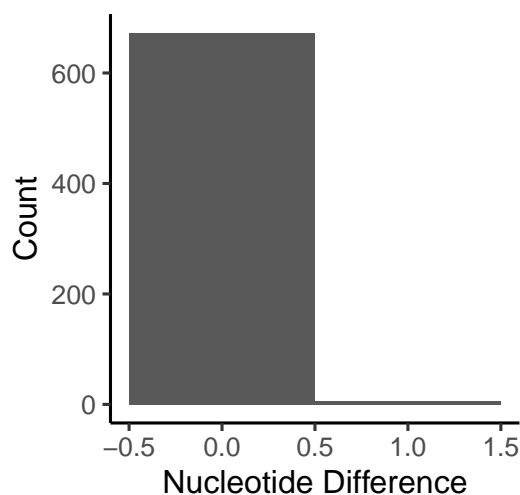
### TRBV7-6\*ap01

969 sequences assigned  
957 (98.8%) exact matches, in which:  
940 unique CDR3  
13 unique J



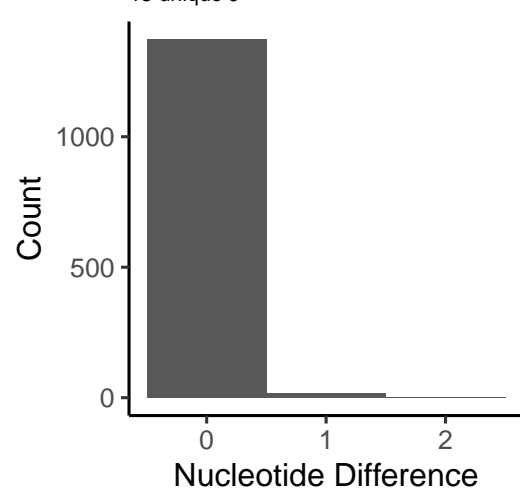
### TRBV7-8\*ap01

679 sequences assigned  
673 (99.1%) exact matches, in which:  
660 unique CDR3  
13 unique J



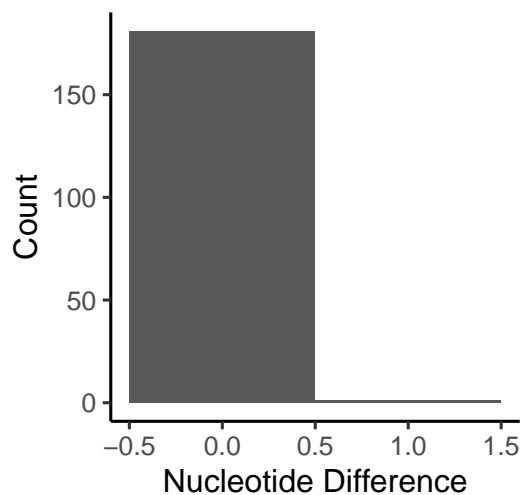
### TRBV29-1\*ap01

1395 sequences assigned  
1373 (98.4%) exact matches, in which:  
1331 unique CDR3  
13 unique J



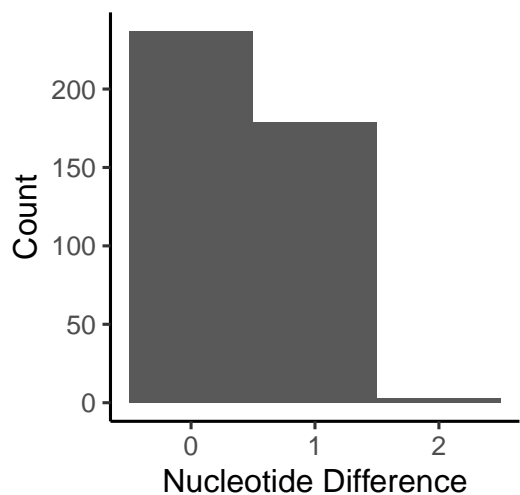
### TRBV7-7\*ap01

182 sequences assigned  
181 (99.5%) exact matches, in which:  
177 unique CDR3  
12 unique J



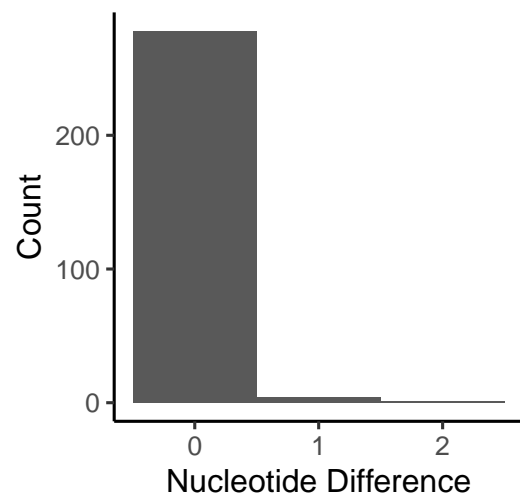
### TRBV7-8\*ap03

419 sequences assigned  
237 (56.6%) exact matches, in which:  
232 unique CDR3  
13 unique J



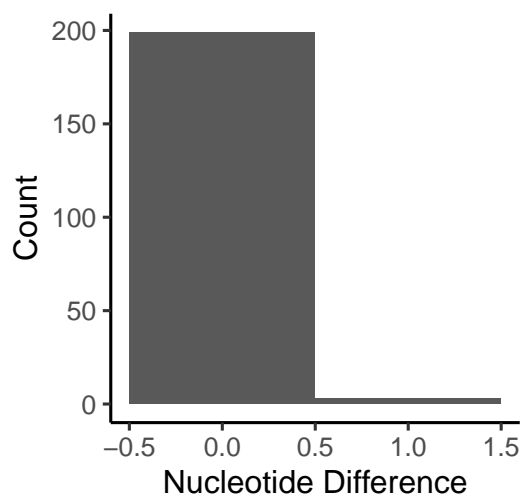
### TRBV29-1\*ap02

283 sequences assigned  
278 (98.2%) exact matches, in which:  
275 unique CDR3  
13 unique J



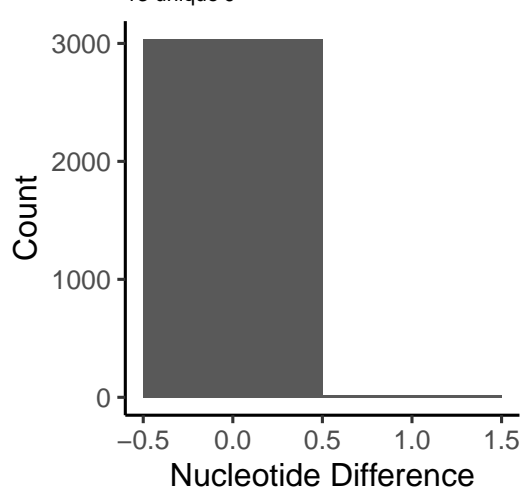
### TRBV7-7\*ap01\_C315T

202 sequences assigned  
199 (98.5%) exact matches, in which:  
195 unique CDR3  
13 unique J

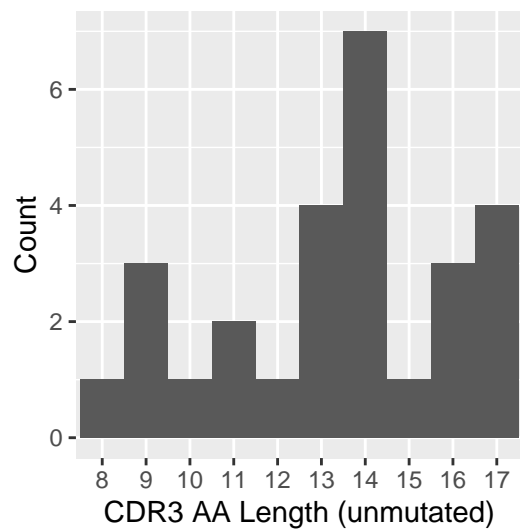


### TRBV7-9\*ap01

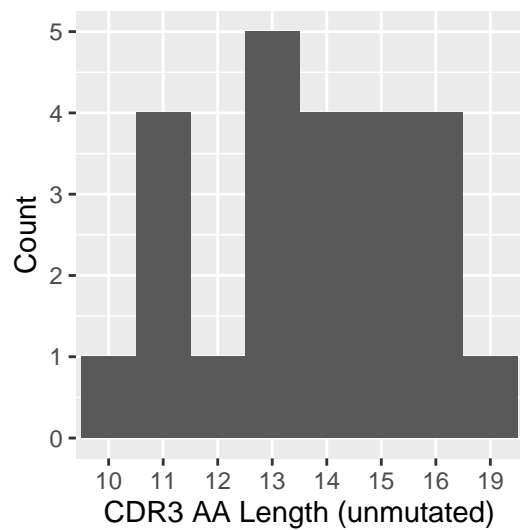
3058 sequences assigned  
3037 (99.3%) exact matches, in which:  
2973 unique CDR3  
13 unique J



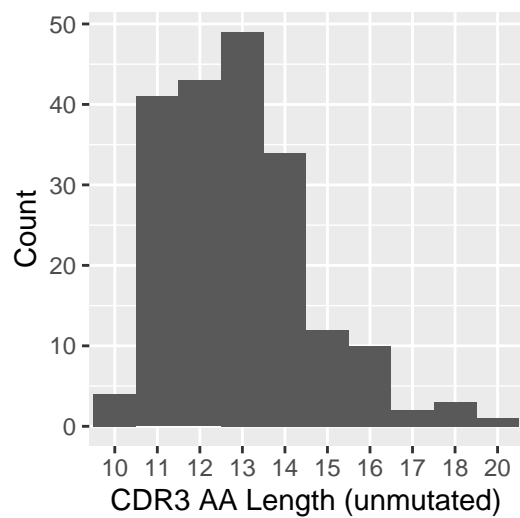
TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.