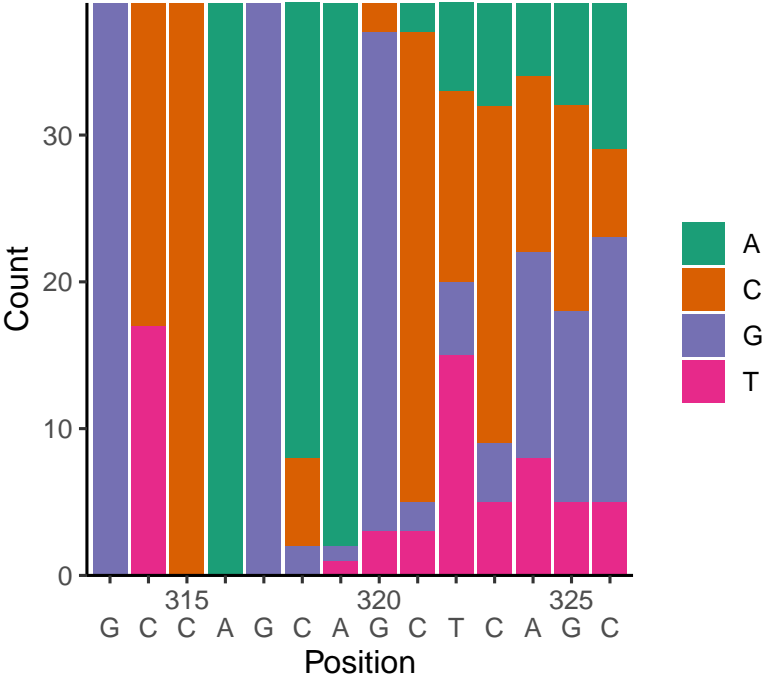
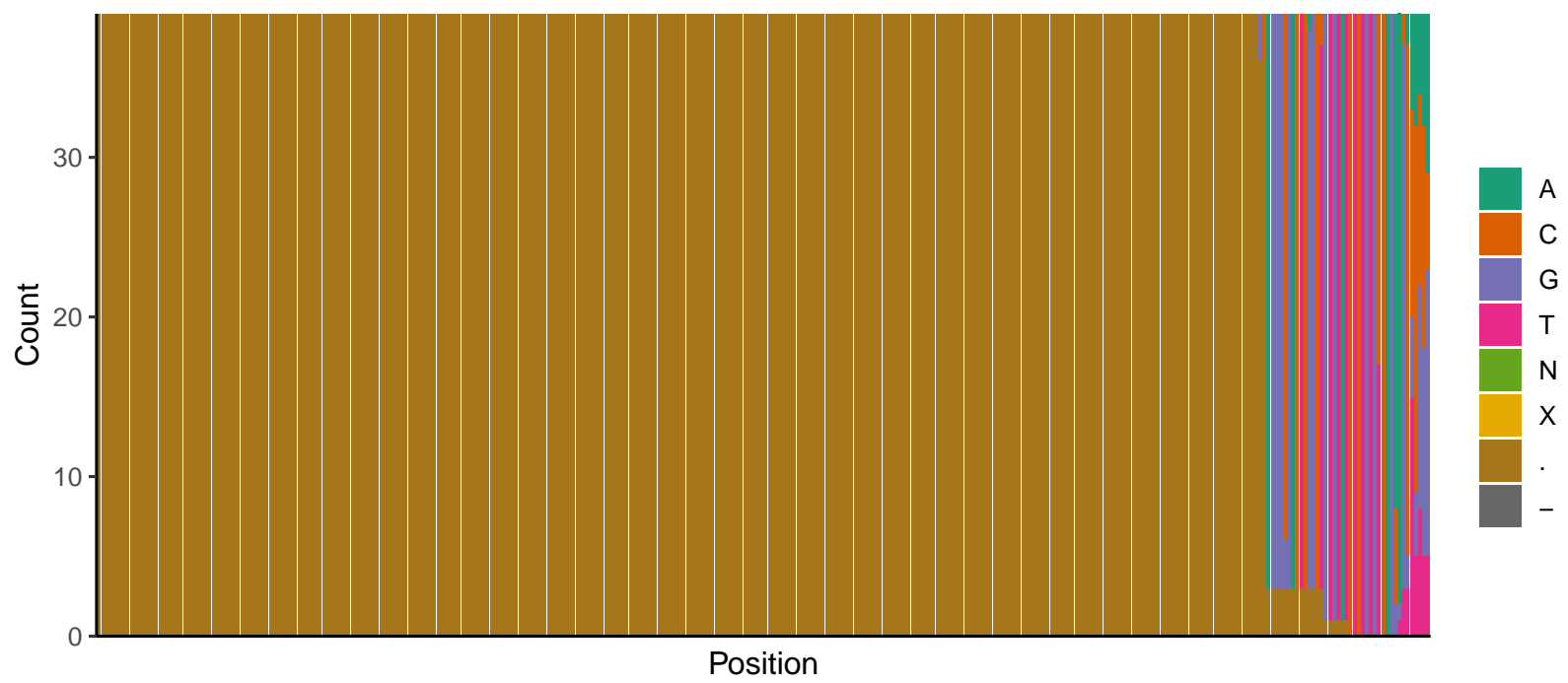


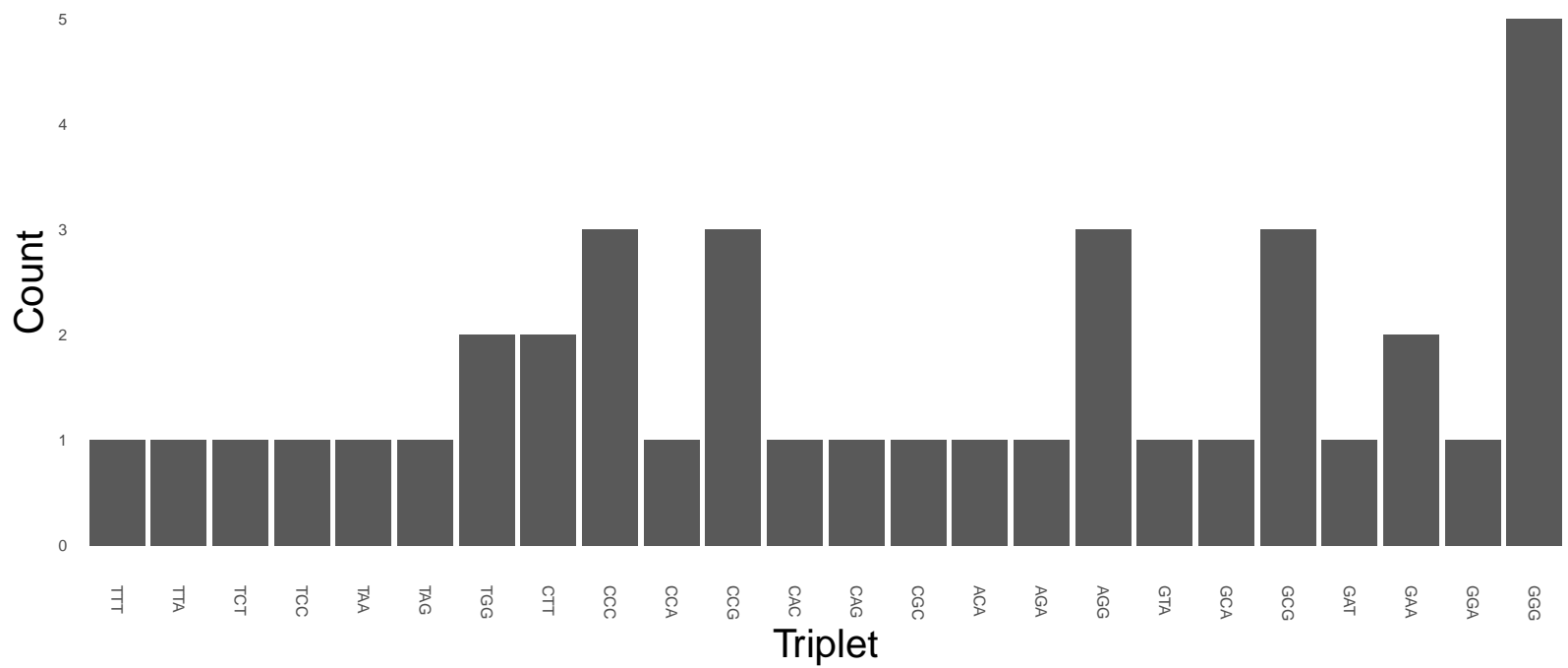
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C

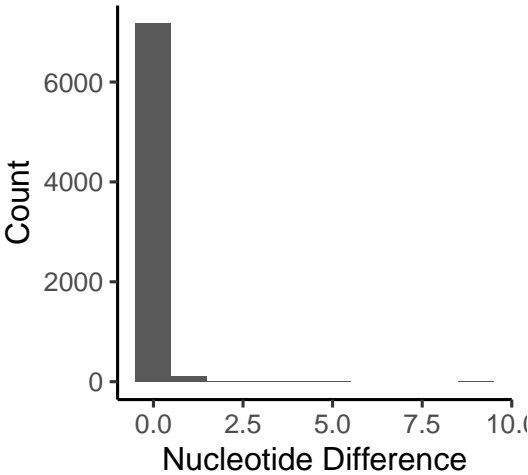


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



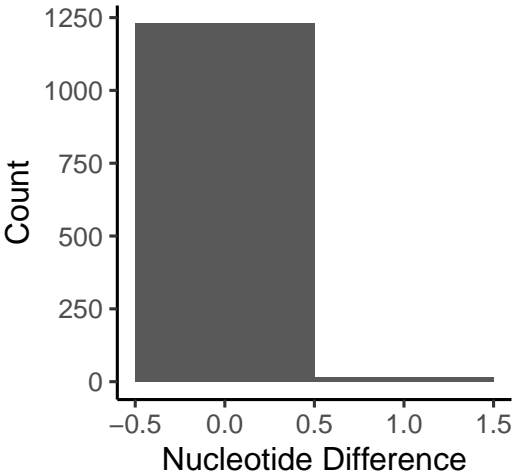
TRBV20-1\*ap01

7303 sequences assigned  
7174 (98.2%) exact matches, in which:  
7000 unique CDR3  
13 unique J



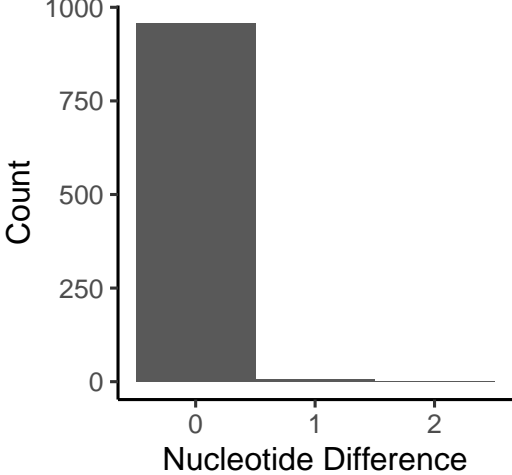
TRBV10-3\*ap01

1246 sequences assigned  
1230 (98.7%) exact matches, in which:  
1196 unique CDR3  
13 unique J



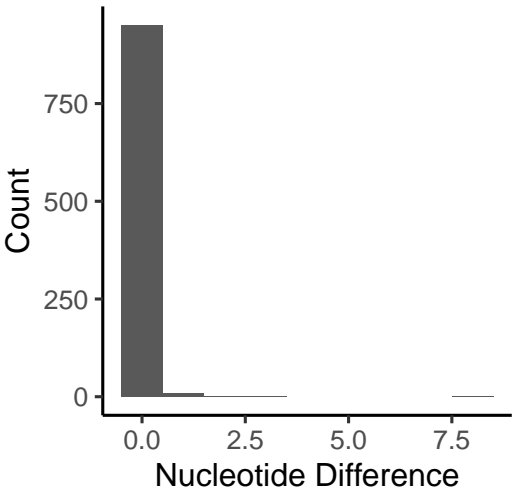
TRBV14\*ap01

966 sequences assigned  
957 (99.1%) exact matches, in which:  
933 unique CDR3  
13 unique J



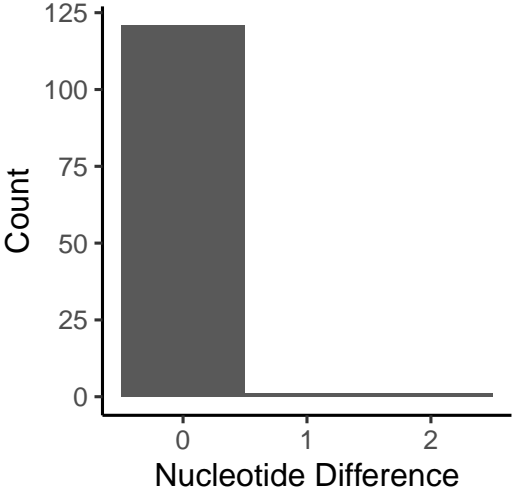
TRBV10-1\*ap01

965 sequences assigned  
951 (98.5%) exact matches, in which:  
923 unique CDR3  
13 unique J



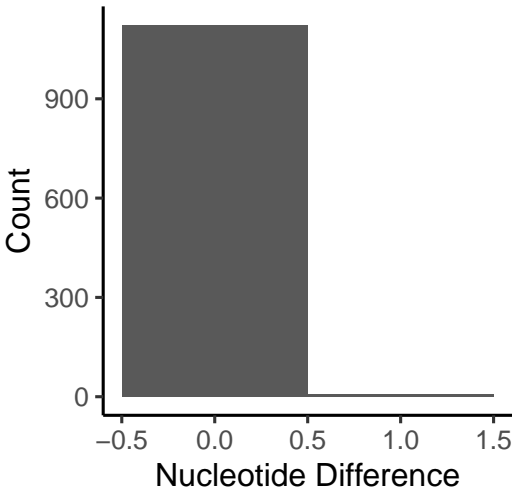
TRBV1\*ap01

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



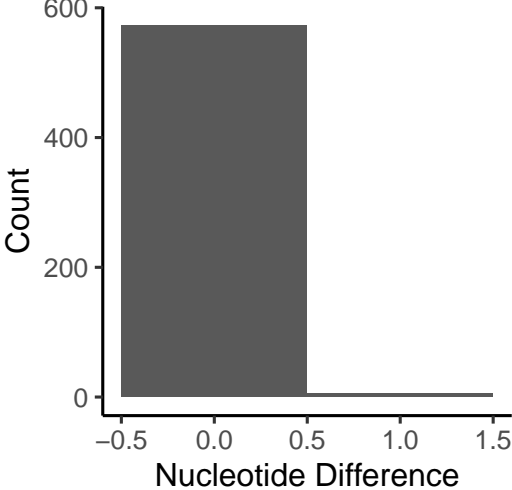
TRBV15\*ap02

1131 sequences assigned  
1123 (99.3%) exact matches, in which:  
1095 unique CDR3  
13 unique J



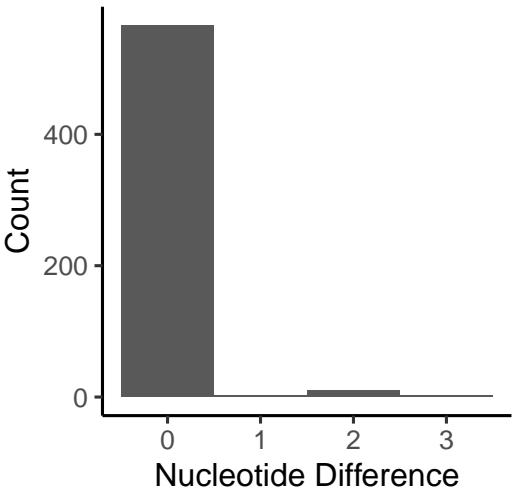
TRBV10-2\*ap01

578 sequences assigned  
573 (99.1%) exact matches, in which:  
556 unique CDR3  
13 unique J



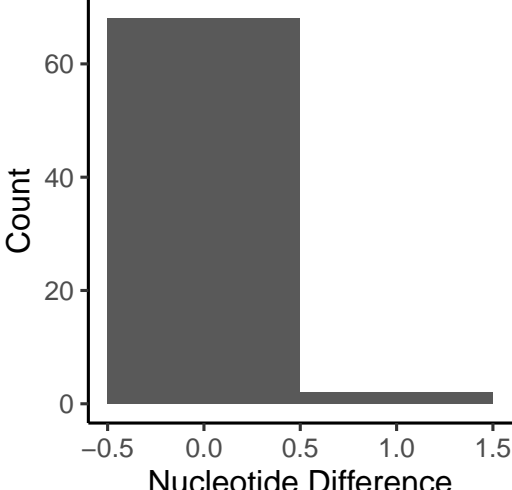
TRBV13\*ap01

581 sequences assigned  
566 (97.4%) exact matches, in which:  
545 unique CDR3  
13 unique J



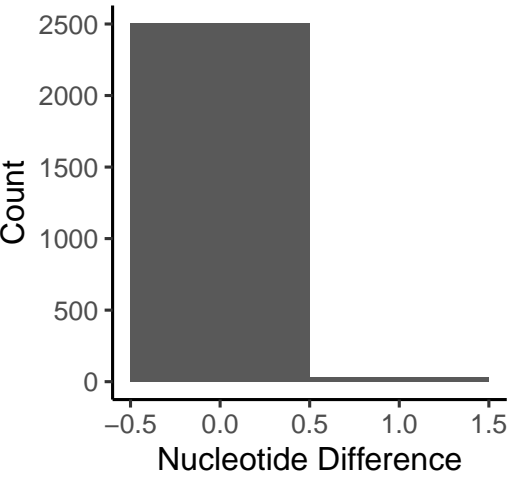
TRBV16\*ap01

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



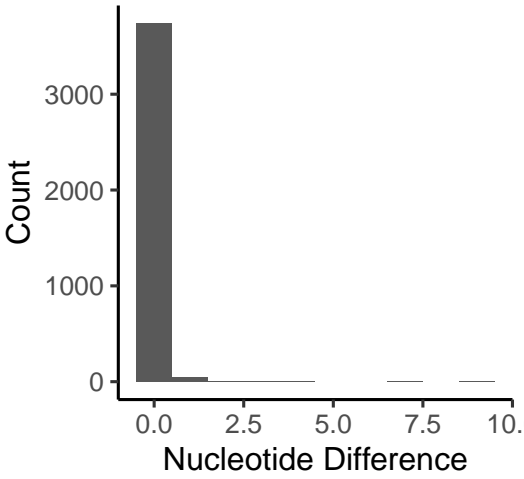
TRBV18\*ap01

2534 sequences assigned  
2504 (98.8%) exact matches, in which:  
2457 unique CDR3  
13 unique J



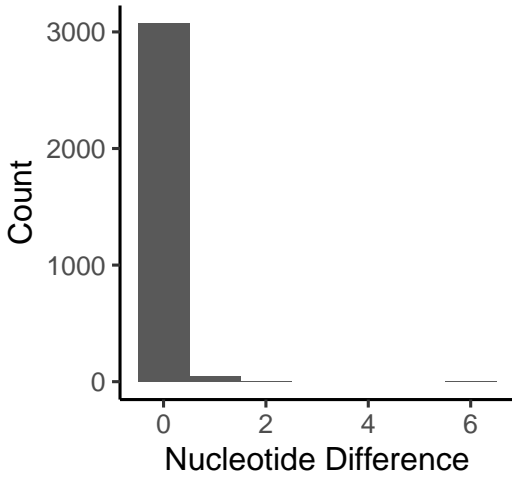
TRBV27\*ap01

3791 sequences assigned  
3739 (98.6%) exact matches, in which:  
3620 unique CDR3  
13 unique J



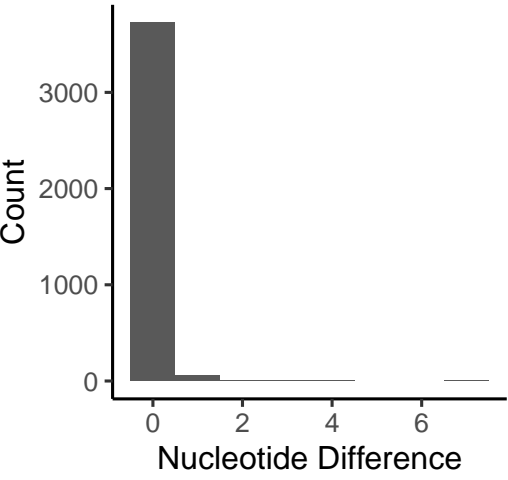
TRBV9\*ap01

3121 sequences assigned  
3073 (98.5%) exact matches, in which:  
2993 unique CDR3  
13 unique J



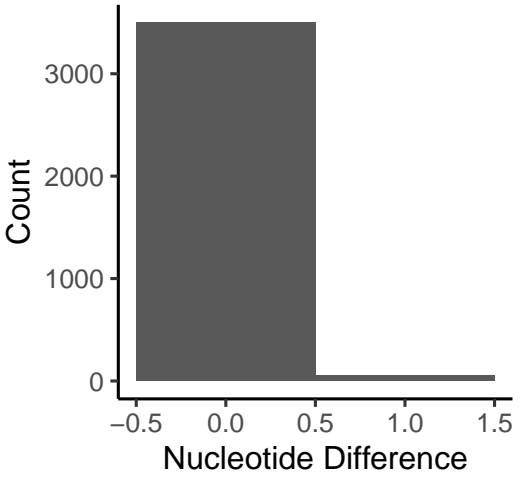
TRBV19\*ap01

3791 sequences assigned  
3724 (98.2%) exact matches, in which:  
3627 unique CDR3  
14 unique J



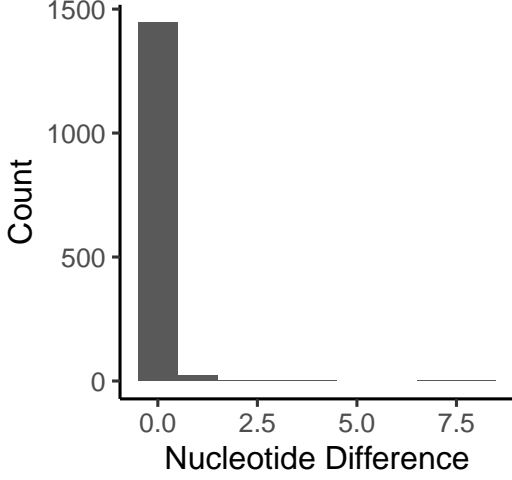
TRBV28\*ap01

3551 sequences assigned  
3498 (98.5%) exact matches, in which:  
3385 unique CDR3  
14 unique J



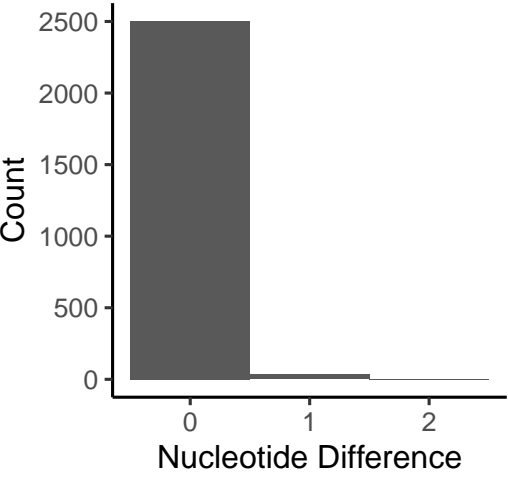
TRBV21-1\*ap01

1474 sequences assigned  
1445 (98%) exact matches, in which:  
1406 unique CDR3  
13 unique J



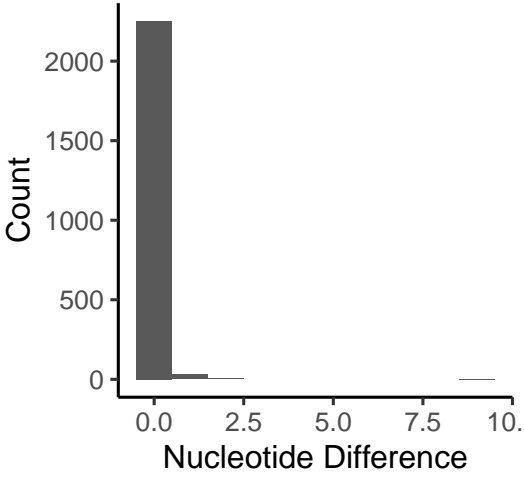
TRBV2\*ap01

2537 sequences assigned  
2503 (98.7%) exact matches, in which:  
2443 unique CDR3  
13 unique J



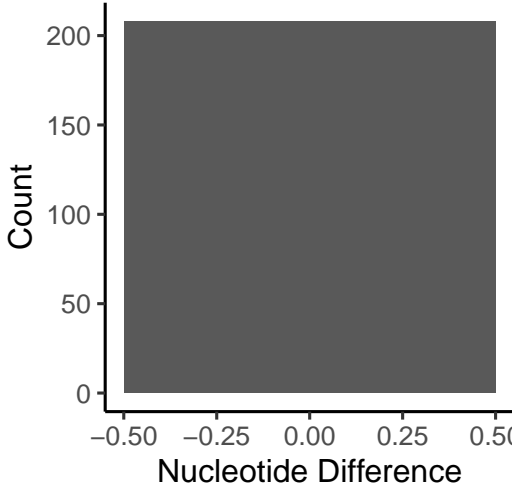
TRBV30\*ap01

2288 sequences assigned  
2252 (98.4%) exact matches, in which:  
2220 unique CDR3  
13 unique J



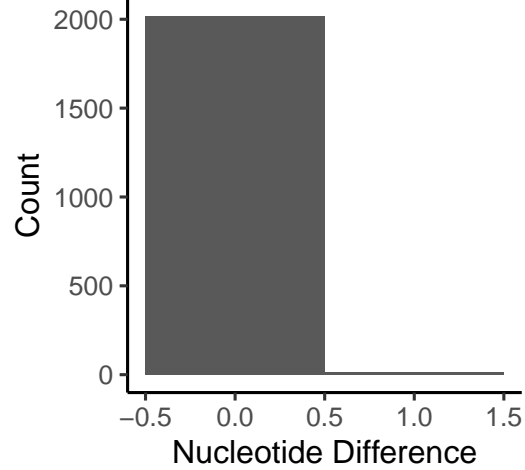
TRBV11-1\*ap01

208 sequences assigned  
208 (100%) exact matches, in which:  
199 unique CDR3  
13 unique J



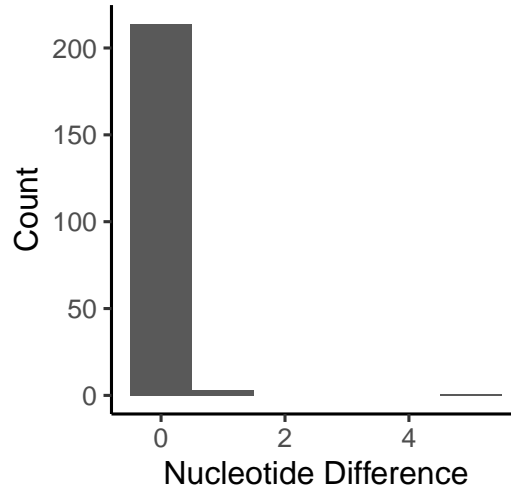
### TRBV11–2\*ap01

2032 sequences assigned  
2016 (99.2%) exact matches, in which:  
1958 unique CDR3  
13 unique J



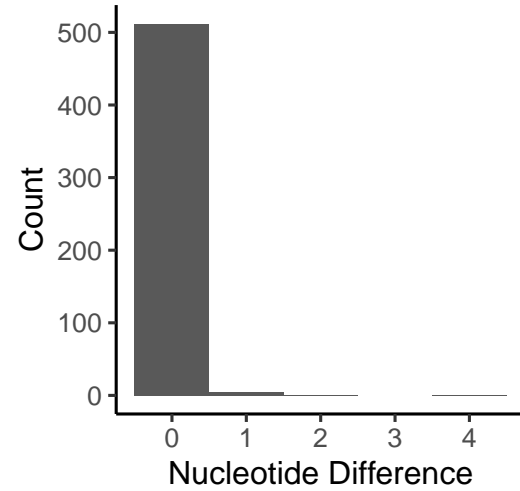
### TRBV12–2\*ap01

218 sequences assigned  
214 (98.2%) exact matches, in which:  
208 unique CDR3  
13 unique J



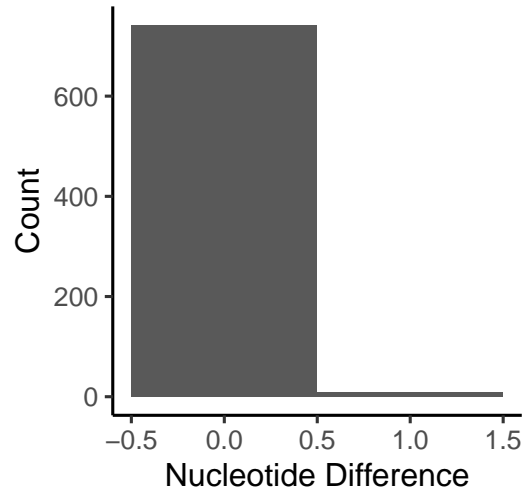
### TRBV23–1\*ap01

519 sequences assigned  
512 (98.7%) exact matches, in which:  
502 unique CDR3  
13 unique J



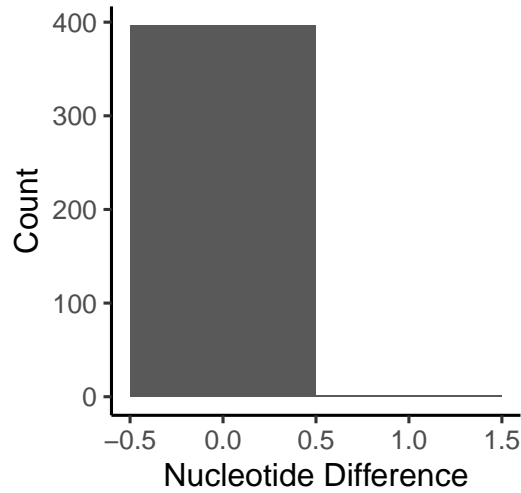
### TRBV11–3\*ap01

751 sequences assigned  
742 (98.8%) exact matches, in which:  
726 unique CDR3  
13 unique J



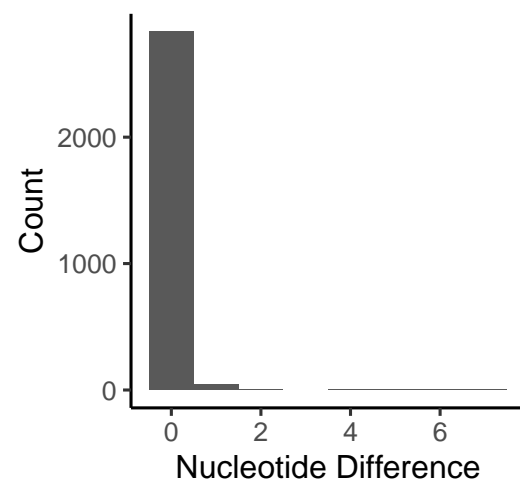
### TRBV12–5\*ap01

399 sequences assigned  
397 (99.5%) exact matches, in which:  
386 unique CDR3  
13 unique J



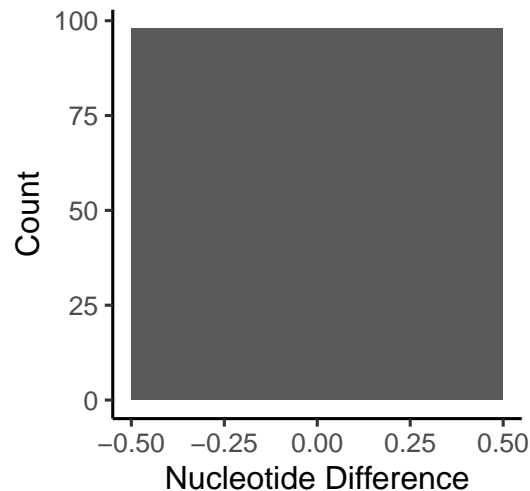
### TRBV3–12\*ap01

2887 sequences assigned  
2834 (98.2%) exact matches, in which:  
2749 unique CDR3  
13 unique J



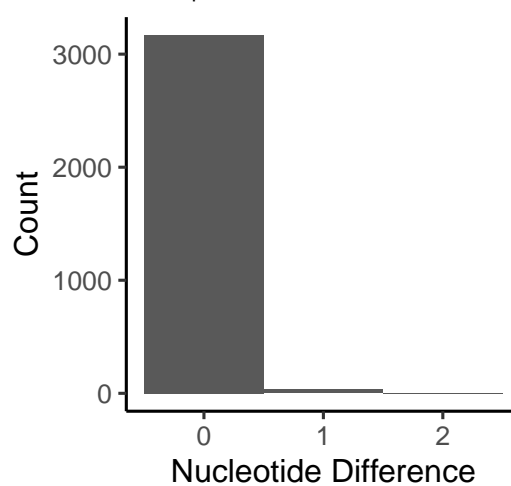
### TRBV12–1\*ap01

98 sequences assigned  
98 (100%) exact matches, in which:  
95 unique CDR3  
11 unique J



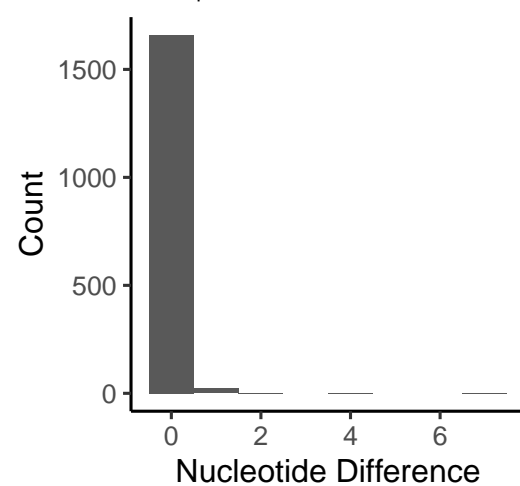
### TRBV12–34\*ap01

3205 sequences assigned  
3169 (98.9%) exact matches, in which:  
3081 unique CDR3  
13 unique J



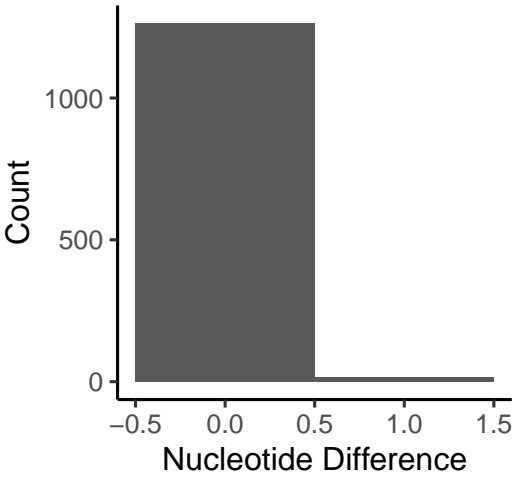
### TRBV24–1\*ap01

1685 sequences assigned  
1659 (98.5%) exact matches, in which:  
1619 unique CDR3  
13 unique J



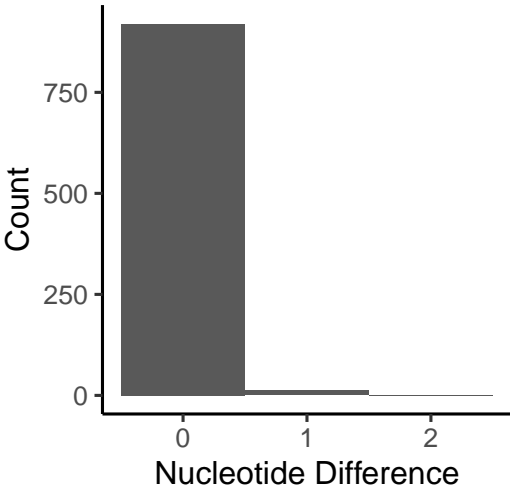
TRBV4-1\*ap01

1280 sequences assigned  
1263 (98.7%) exact matches, in which:  
1222 unique CDR3  
13 unique J



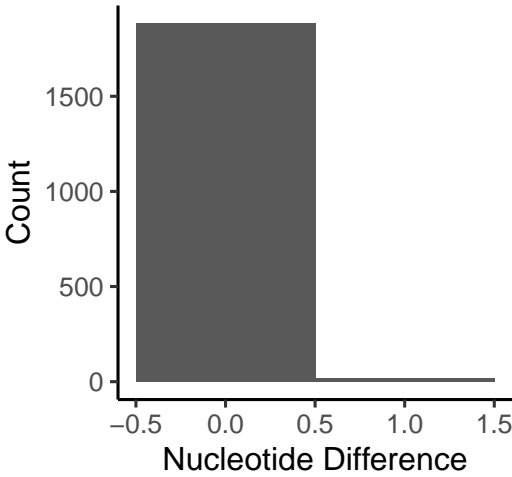
TRBV25-1\*ap01

933 sequences assigned  
920 (98.6%) exact matches, in which:  
904 unique CDR3  
13 unique J



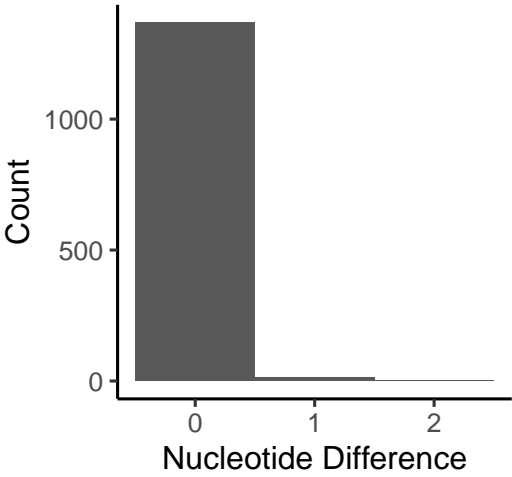
TRBV5-4\*ap01

1902 sequences assigned  
1883 (99%) exact matches, in which:  
1836 unique CDR3  
13 unique J



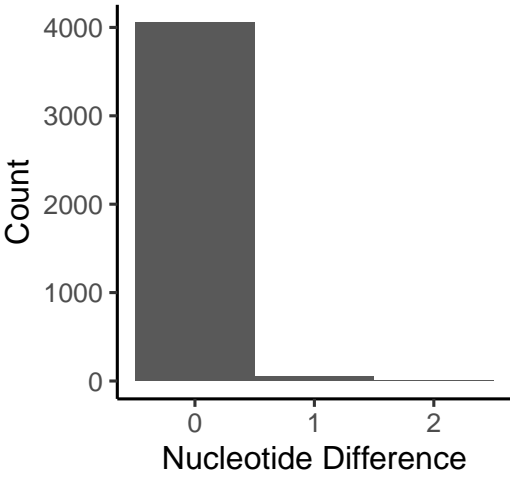
TRBV4-2\*ap01

1382 sequences assigned  
1368 (99%) exact matches, in which:  
1338 unique CDR3  
13 unique J



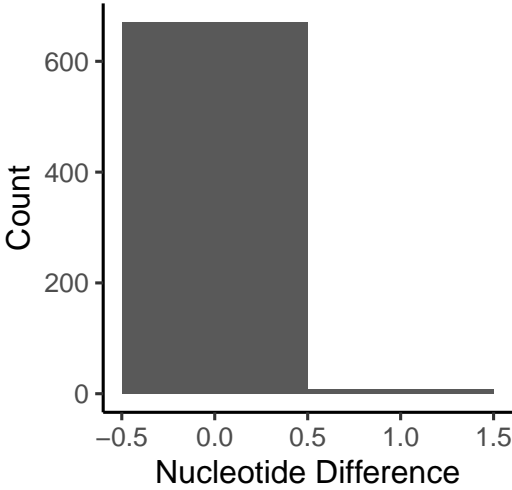
TRBV5-1\*ap01

4111 sequences assigned  
4053 (98.6%) exact matches, in which:  
3941 unique CDR3  
13 unique J



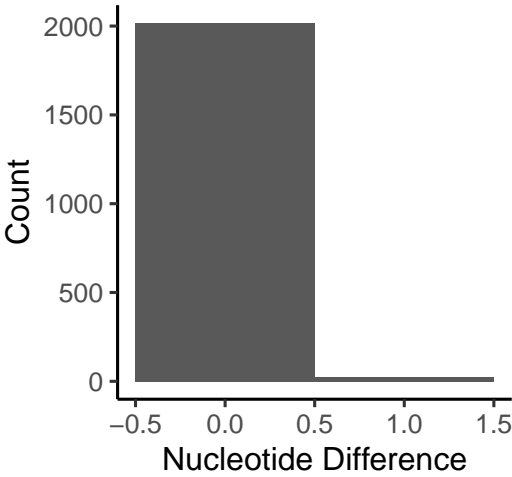
TRBV5-5\*ap01

679 sequences assigned  
671 (98.8%) exact matches, in which:  
651 unique CDR3  
13 unique J



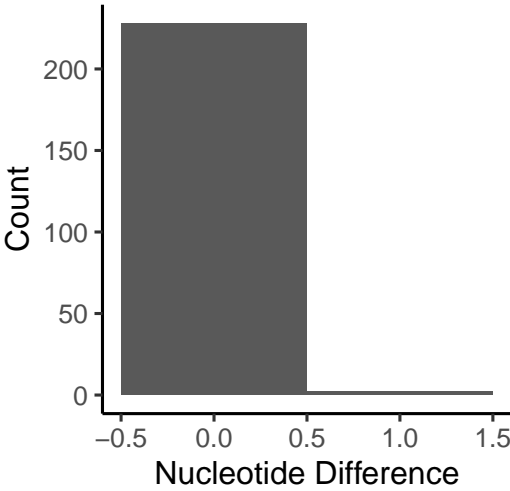
TRBV4-3\*ap01

2040 sequences assigned  
2017 (98.9%) exact matches, in which:  
1965 unique CDR3  
13 unique J



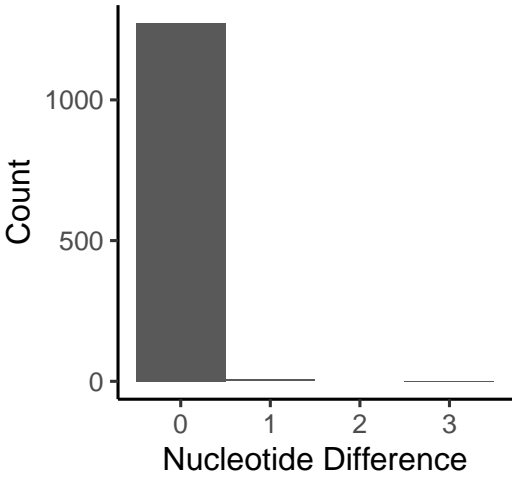
TRBV5-3\*ap01

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



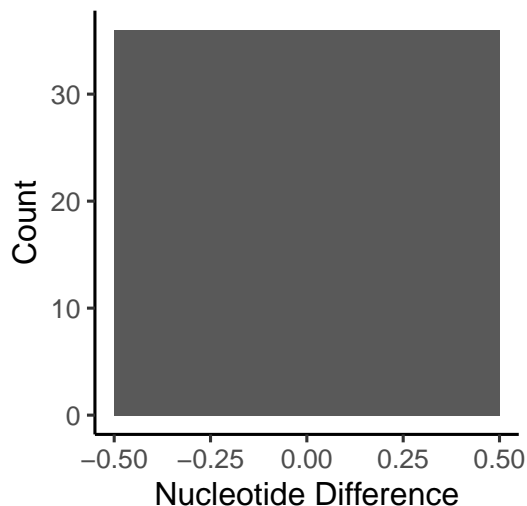
TRBV5-6\*ap01

1280 sequences assigned  
1273 (99.5%) exact matches, in which:  
1242 unique CDR3  
13 unique J



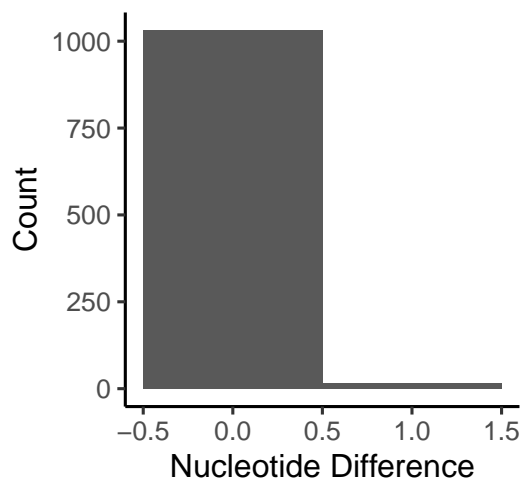
### TRBV5-7\*ap01

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



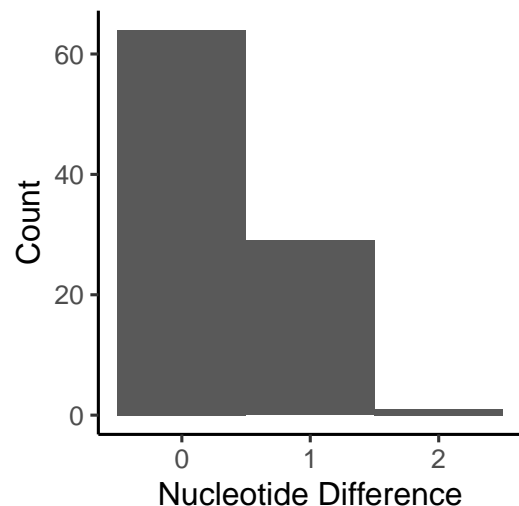
### TRBV6-4\*ap01

1046 sequences assigned  
1031 (98.6%) exact matches, in which:  
1009 unique CDR3  
13 unique J



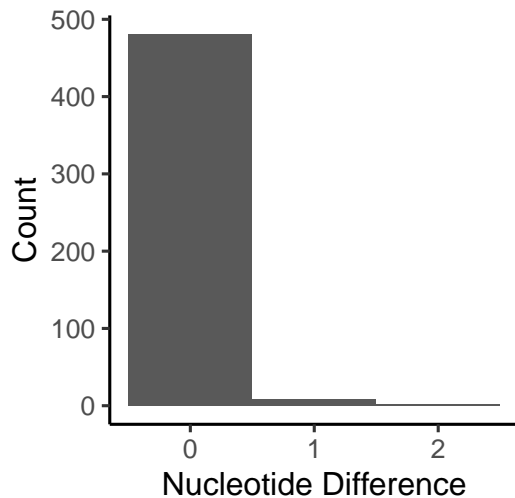
### TRBV6-9\*ap01

94 sequences assigned  
64 (68.1%) exact matches, in which:  
62 unique CDR3  
13 unique J



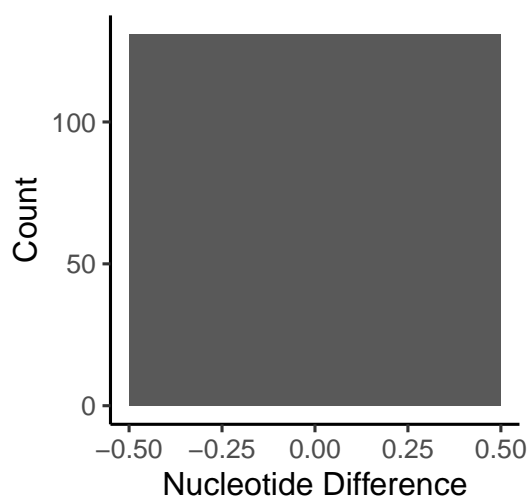
### TRBV5-8\*ap01

492 sequences assigned  
481 (97.8%) exact matches, in which:  
470 unique CDR3  
13 unique J



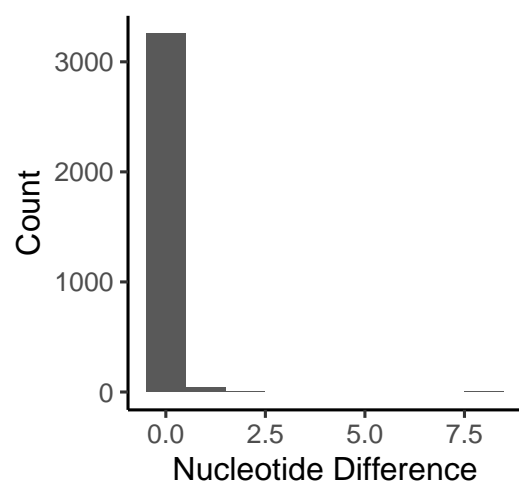
### TRBV6-7\*ap01

131 sequences assigned  
131 (100%) exact matches, in which:  
124 unique CDR3  
13 unique J



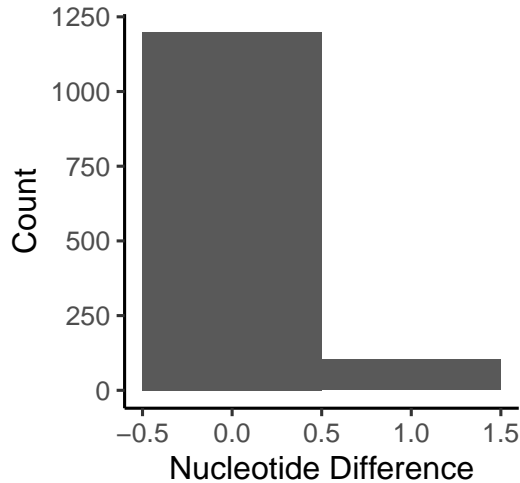
### TRBV6-23\*ap01

3303 sequences assigned  
3255 (98.5%) exact matches, in which:  
3183 unique CDR3  
13 unique J



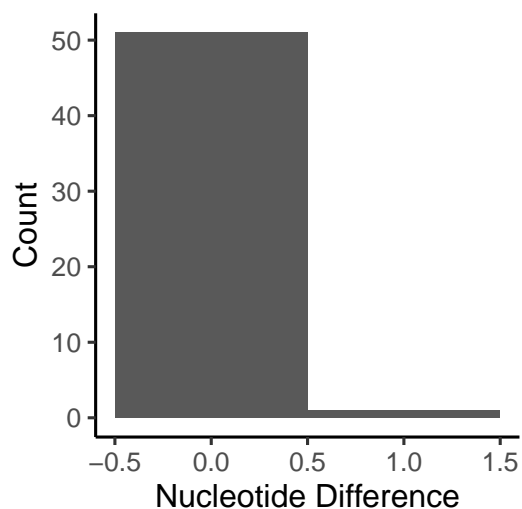
### TRBV6-1\*ap01

1302 sequences assigned  
1199 (92.1%) exact matches, in which:  
1163 unique CDR3  
13 unique J



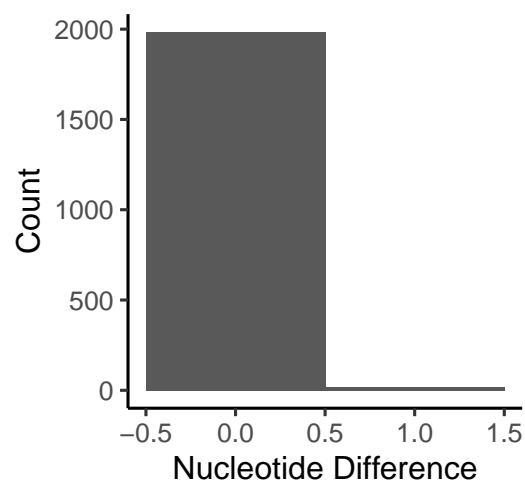
### TRBV6-8\*ap01

52 sequences assigned  
51 (98.1%) exact matches, in which:  
48 unique CDR3  
10 unique J



### TRBV6-56\*ap01

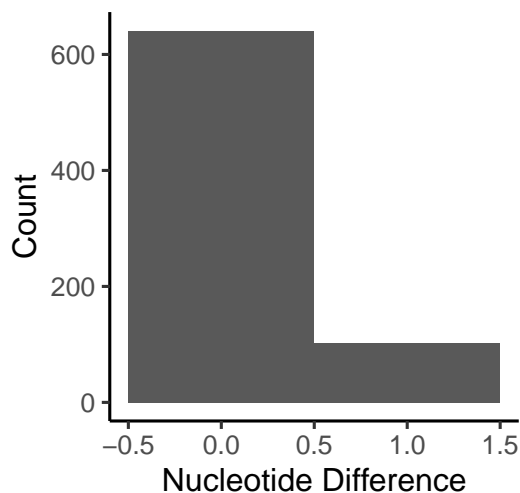
2003 sequences assigned  
1984 (99.1%) exact matches, in which:  
1942 unique CDR3  
13 unique J





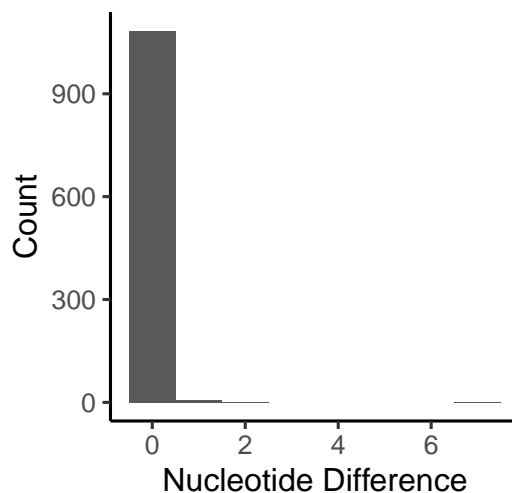
### TRBV6–56\*ap02

744 sequences assigned  
641 (86.2%) exact matches, in which:  
625 unique CDR3  
13 unique J



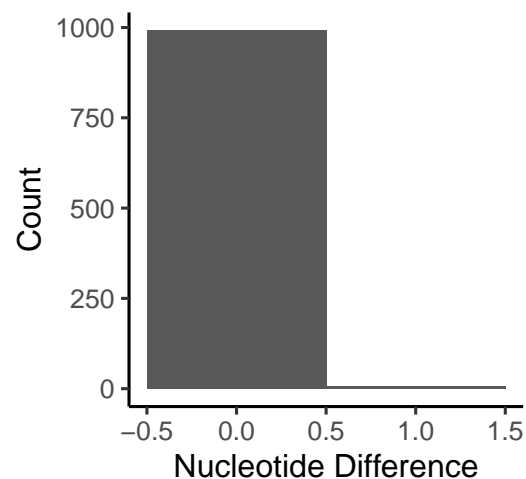
### TRBV7–3\*ap01

1093 sequences assigned  
1084 (99.2%) exact matches, in which:  
1048 unique CDR3  
13 unique J



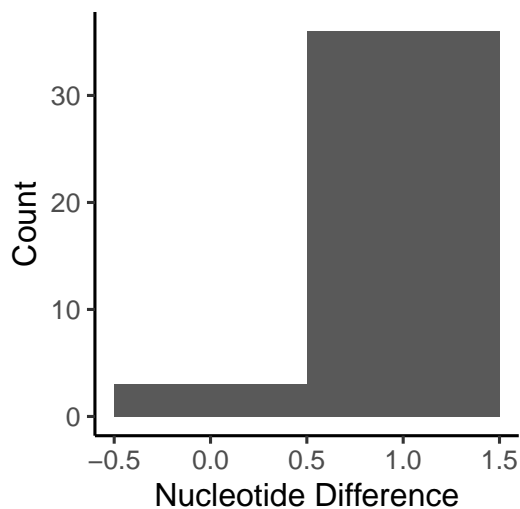
### TRBV7–6\*ap01

1000 sequences assigned  
992 (99.2%) exact matches, in which:  
966 unique CDR3  
13 unique J



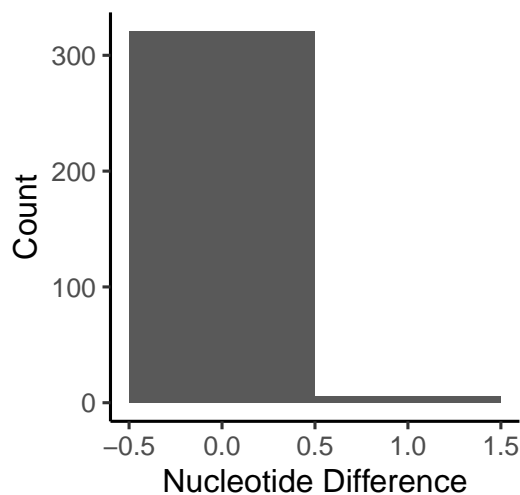
### TRBV7–1\*ap01\_T296C

39 sequences assigned  
3 (7.7%) exact matches, in which:  
3 unique CDR3  
3 unique J



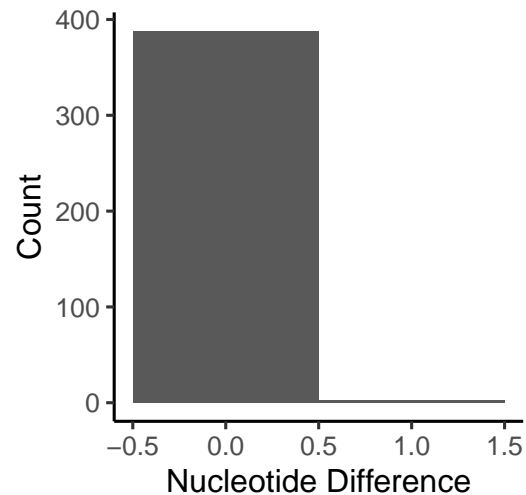
### TRBV7–3\*ap02

327 sequences assigned  
321 (98.2%) exact matches, in which:  
315 unique CDR3  
13 unique J



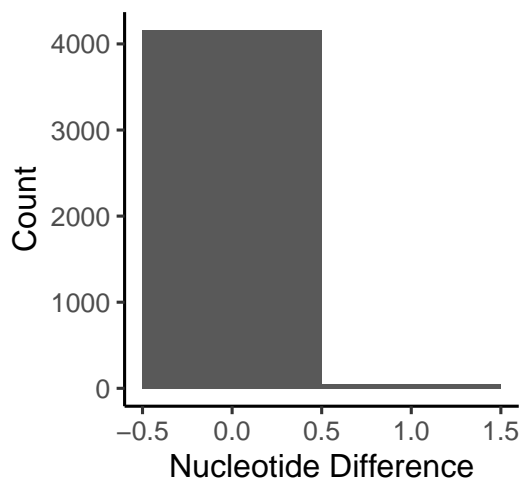
### TRBV7–7\*ap01

391 sequences assigned  
388 (99.2%) exact matches, in which:  
379 unique CDR3  
13 unique J



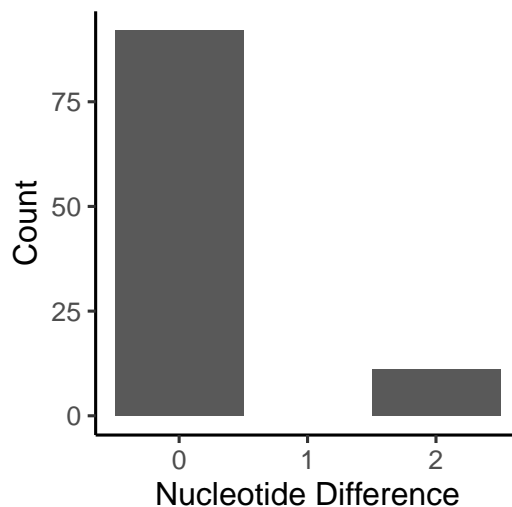
### TRBV7–2\*ap01

4208 sequences assigned  
4161 (98.9%) exact matches, in which:  
4025 unique CDR3  
13 unique J



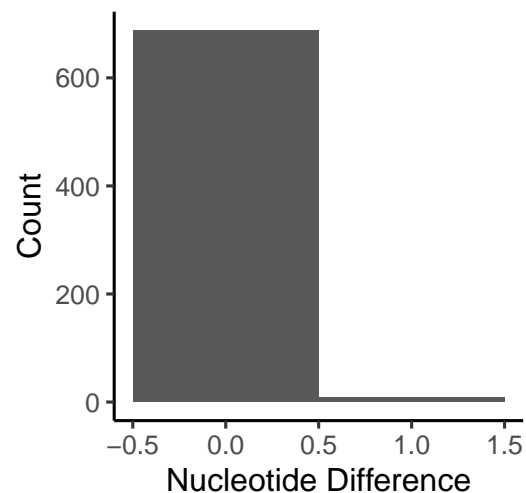
### TRBV7–4\*ap01

103 sequences assigned  
92 (89.3%) exact matches, in which:  
92 unique CDR3  
13 unique J



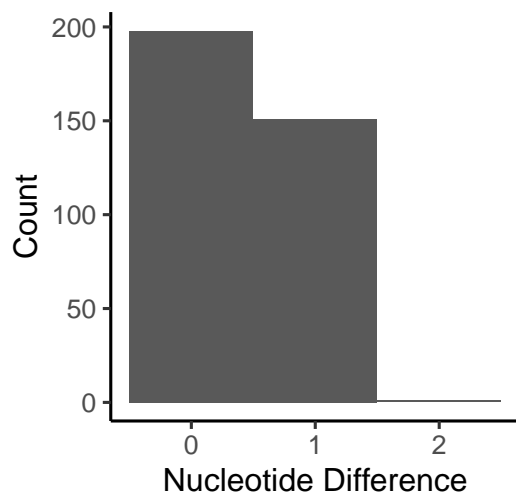
### TRBV7–8\*ap01

696 sequences assigned  
688 (98.9%) exact matches, in which:  
660 unique CDR3  
13 unique J



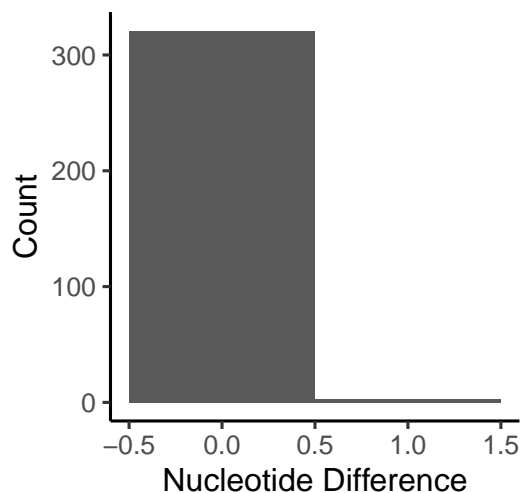
### TRBV7–8\*ap03

350 sequences assigned  
198 (56.6%) exact matches, in which:  
193 unique CDR3  
13 unique J



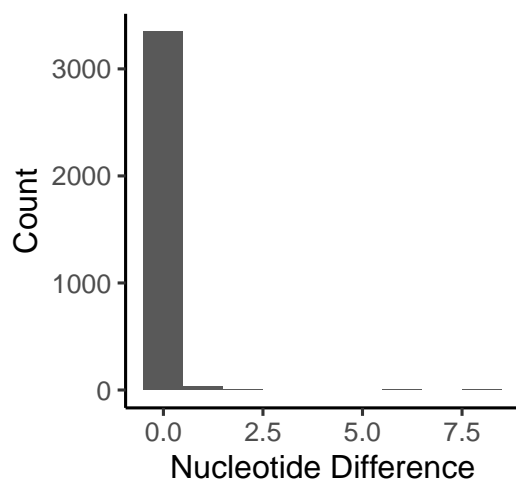
### TRBV29–1\*ap02

324 sequences assigned  
321 (99.1%) exact matches, in which:  
312 unique CDR3  
13 unique J



### TRBV7–9\*ap01

3388 sequences assigned  
3347 (98.8%) exact matches, in which:  
3281 unique CDR3  
13 unique J



### TRBV29–1\*ap01

1447 sequences assigned  
1427 (98.6%) exact matches, in which:  
1392 unique CDR3  
13 unique J

