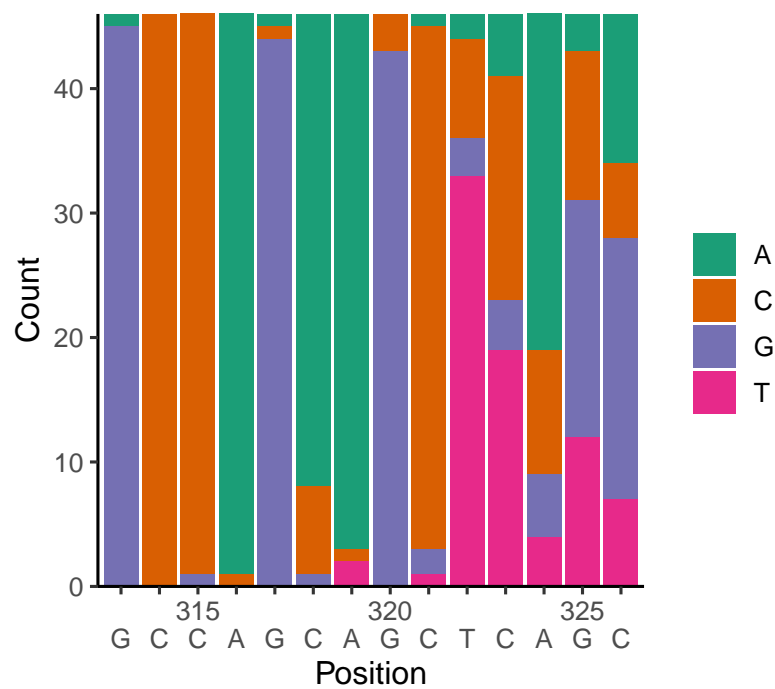
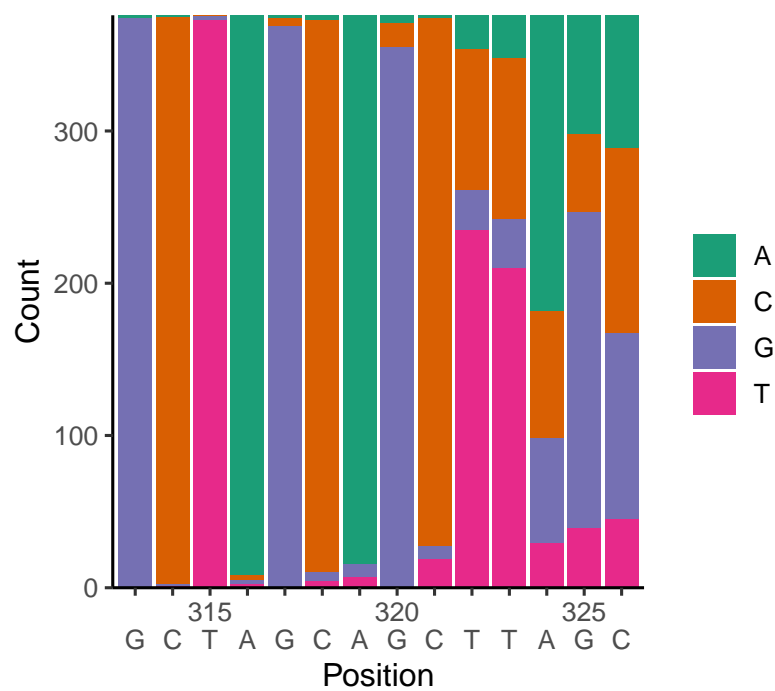


Gene TRBV7-1\*ap01\_G291C\_T296C



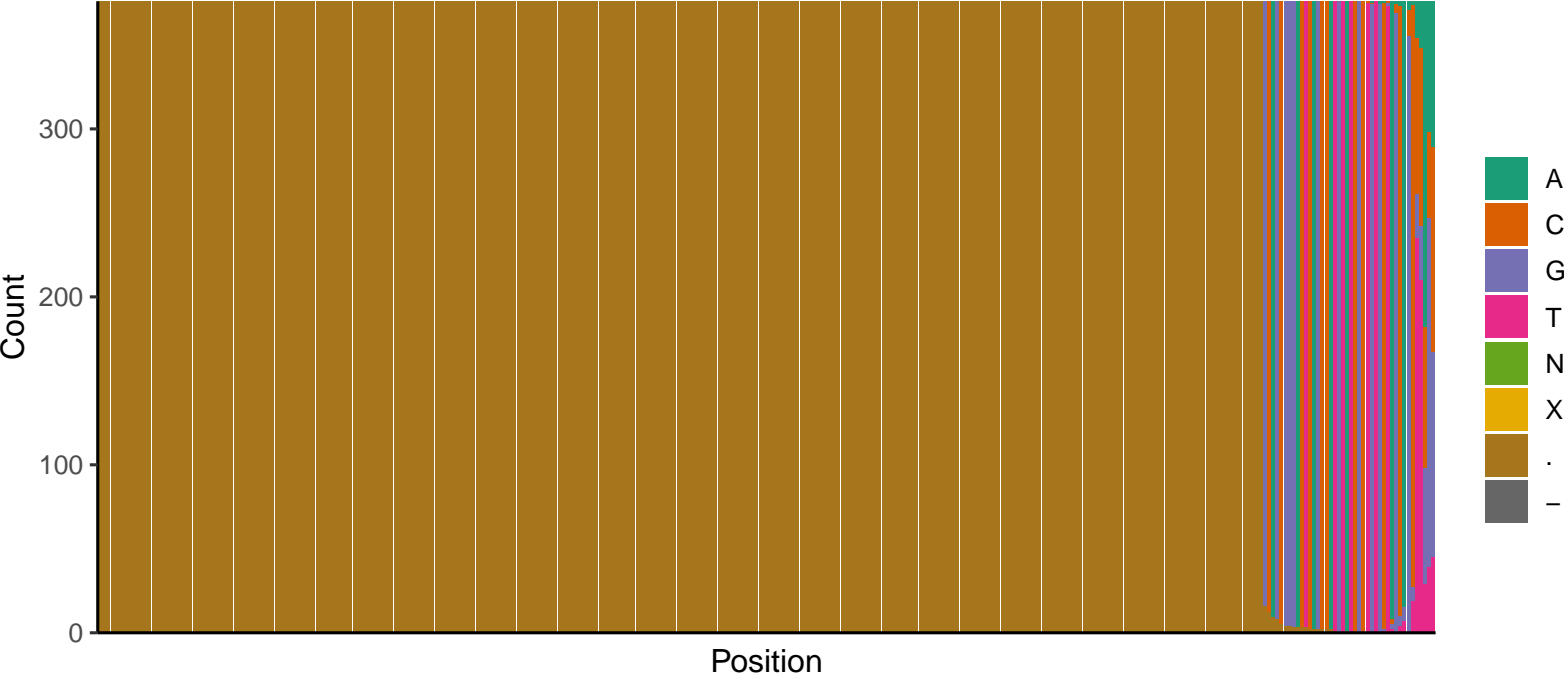
Gene TRBV7-7\*ap01\_C315T



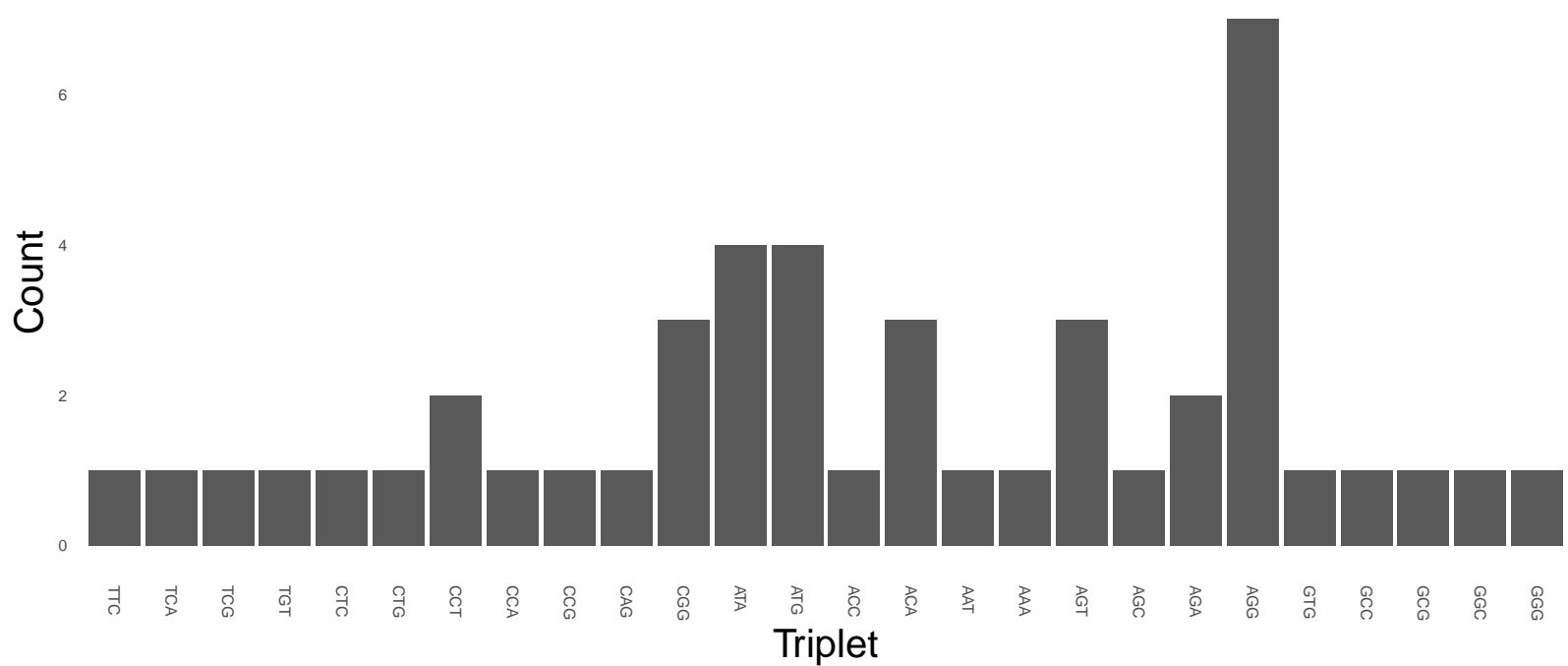
Gene TRBV7-1\*ap01\_G291C\_T296C



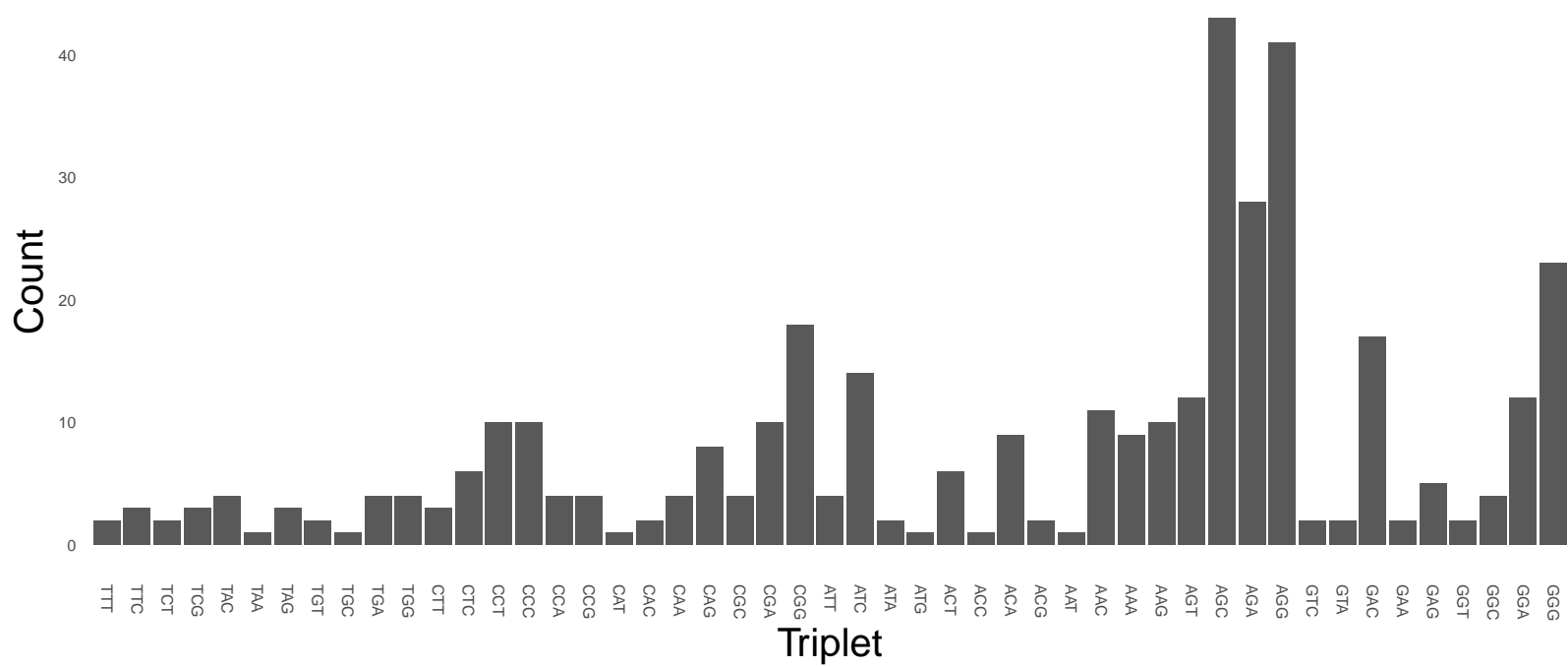
Gene TRBV7-7\*ap01\_C315T



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

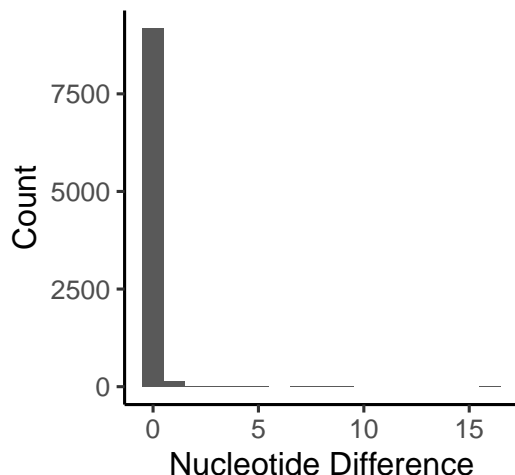


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



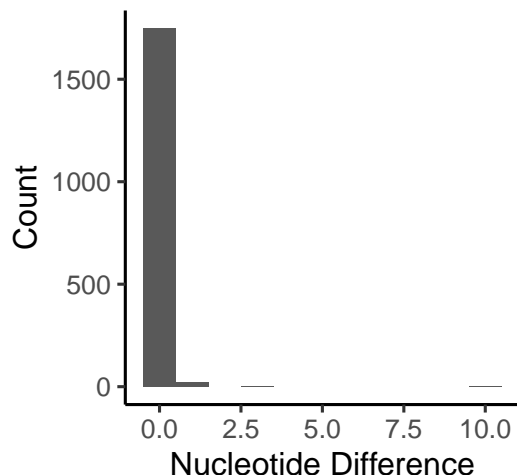
### TRBV20-1\*ap01

9334 sequences assigned  
9176 (98.3%) exact matches, in which:  
8980 unique CDR3  
13 unique J



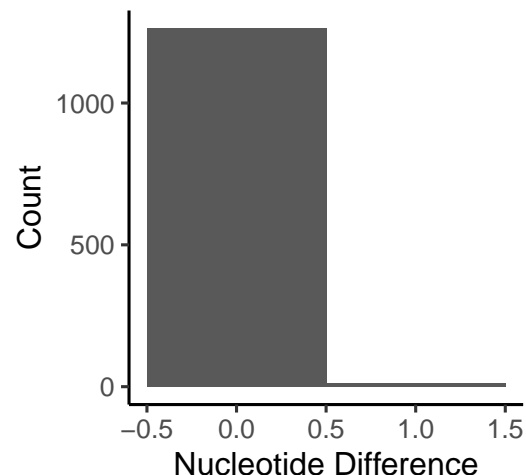
### TRBV10-3\*ap01

1770 sequences assigned  
1748 (98.8%) exact matches, in which:  
1711 unique CDR3  
13 unique J



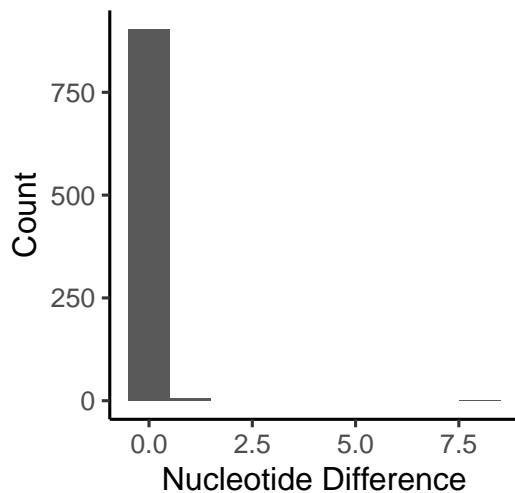
### TRBV14\*ap01

1276 sequences assigned  
1263 (99%) exact matches, in which:  
1231 unique CDR3  
13 unique J



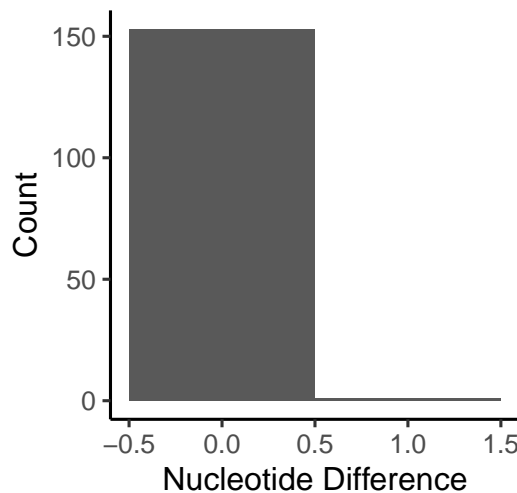
### TRBV10-1\*ap01

910 sequences assigned  
904 (99.3%) exact matches, in which:  
891 unique CDR3  
13 unique J



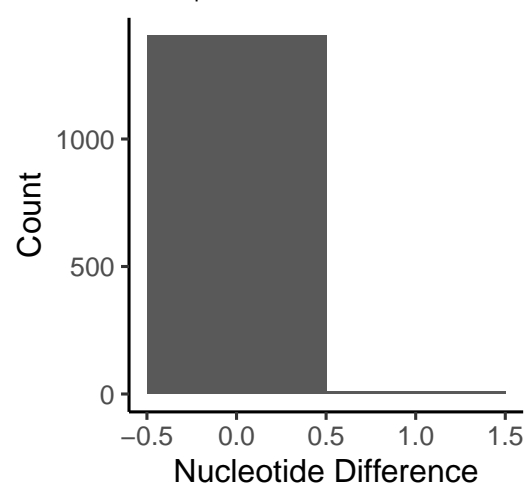
### TRBV1\*ap01

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



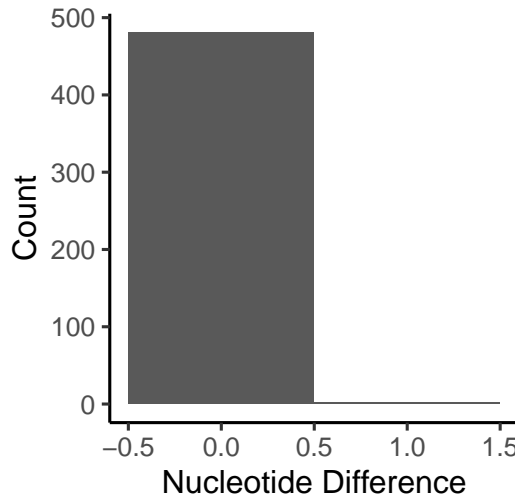
### TRBV15\*ap02

1413 sequences assigned  
1405 (99.4%) exact matches, in which:  
1375 unique CDR3  
13 unique J



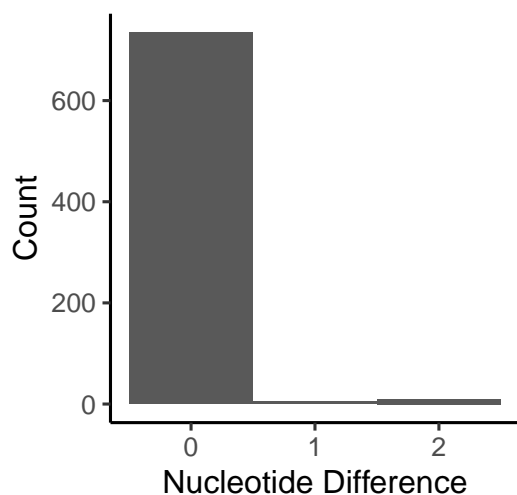
### TRBV10-2\*ap01

483 sequences assigned  
481 (99.6%) exact matches, in which:  
468 unique CDR3  
13 unique J



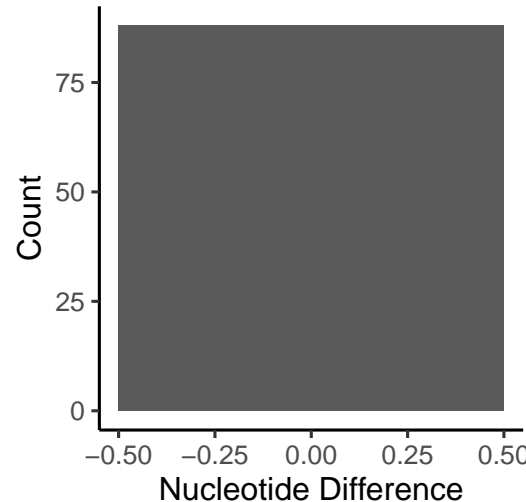
### TRBV13\*ap01

750 sequences assigned  
735 (98%) exact matches, in which:  
719 unique CDR3  
13 unique J



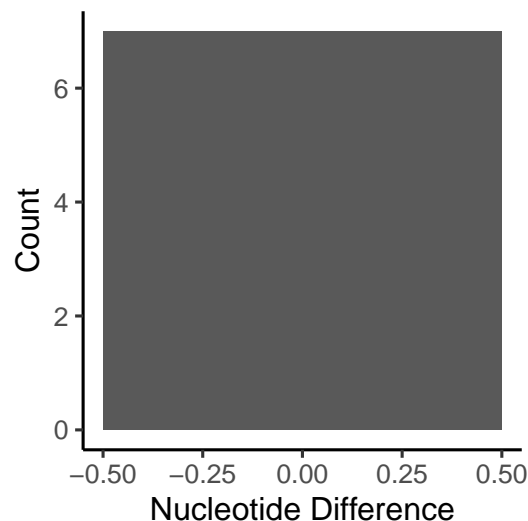
### TRBV16\*ap01

88 sequences assigned  
88 (100%) exact matches, in which:  
87 unique CDR3  
11 unique J



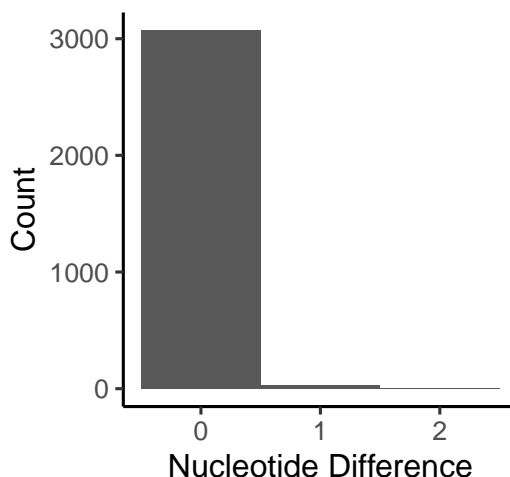
### TRBV17\*ap01

7 sequences assigned  
7 (100%) exact matches, in which:  
7 unique CDR3  
5 unique J



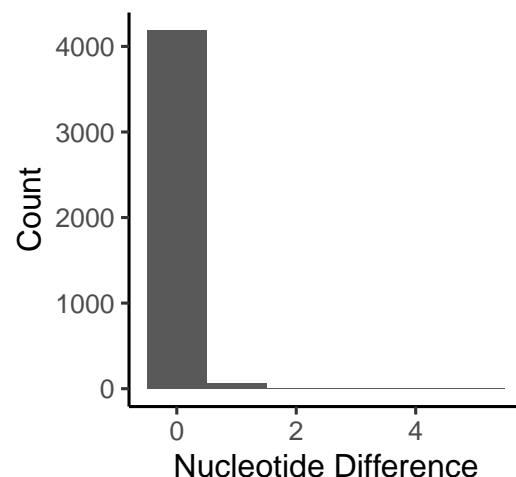
### TRBV2\*ap01

3101 sequences assigned  
3071 (99%) exact matches, in which:  
3031 unique CDR3  
13 unique J



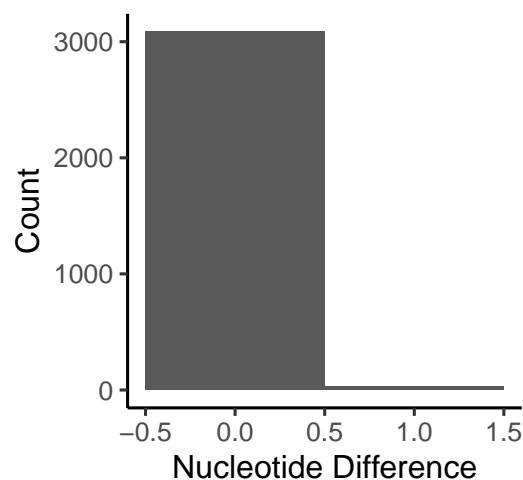
### TRBV30\*ap01

4259 sequences assigned  
4187 (98.3%) exact matches, in which:  
4162 unique CDR3  
13 unique J



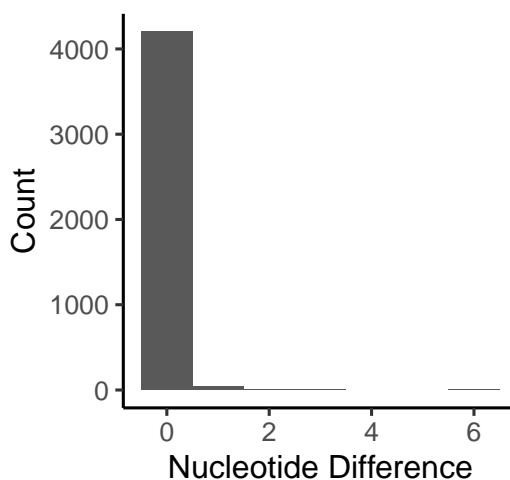
### TRBV18\*ap01

3120 sequences assigned  
3086 (98.9%) exact matches, in which:  
3021 unique CDR3  
13 unique J



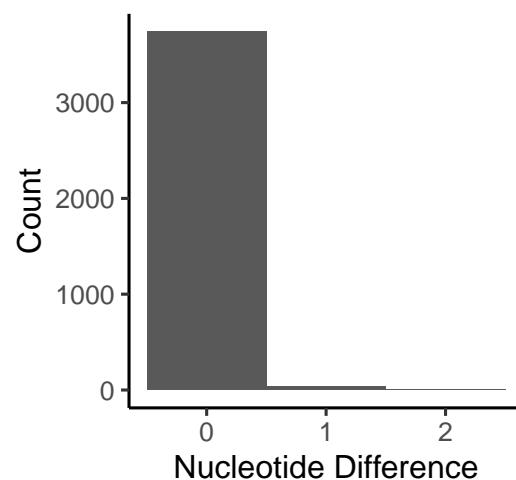
### TRBV27\*ap01

4248 sequences assigned  
4202 (98.9%) exact matches, in which:  
4121 unique CDR3  
13 unique J



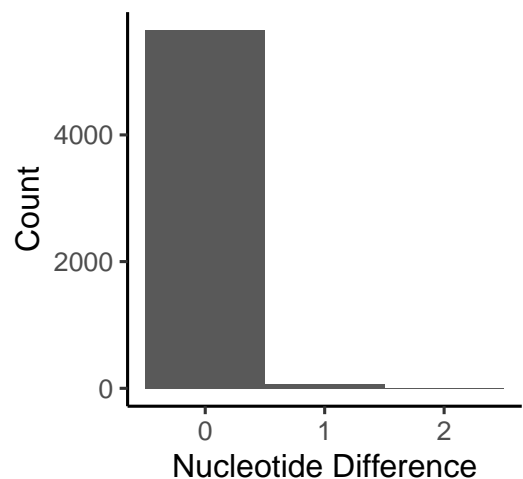
### TRBV9\*ap01

3782 sequences assigned  
3740 (98.9%) exact matches, in which:  
3664 unique CDR3  
13 unique J



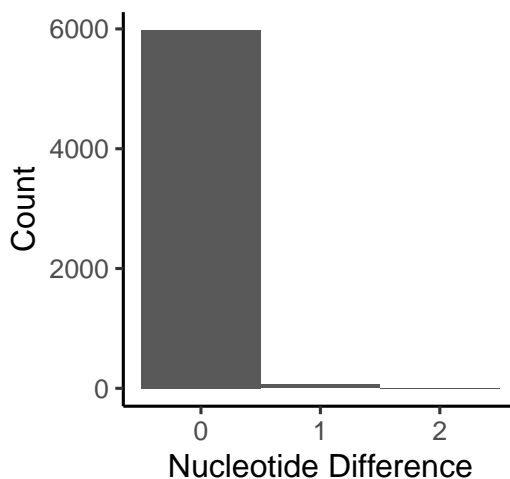
### TRBV19\*ap01

5726 sequences assigned  
5655 (98.8%) exact matches, in which:  
5555 unique CDR3  
13 unique J



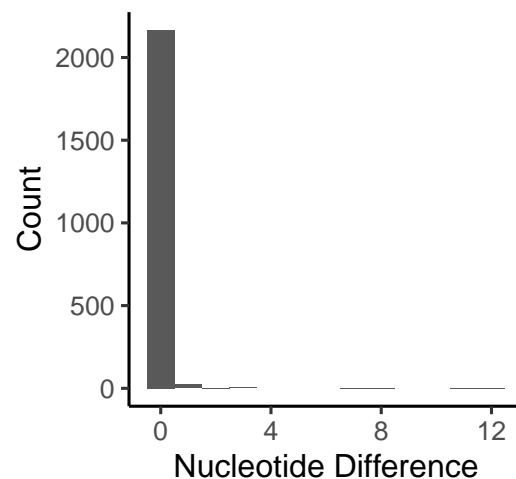
### TRBV28\*ap01

6045 sequences assigned  
5981 (98.9%) exact matches, in which:  
5845 unique CDR3  
14 unique J



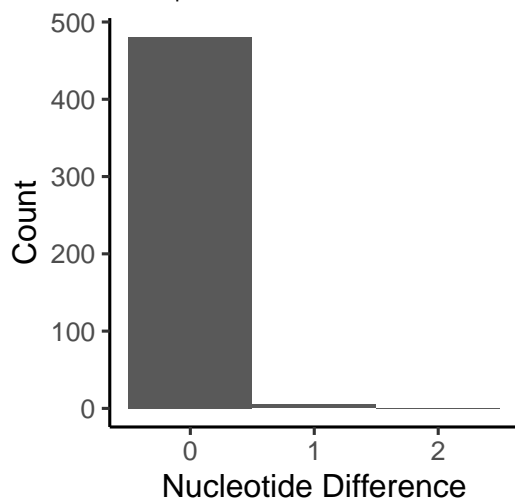
### TRBV21-1\*ap01

2202 sequences assigned  
2166 (98.4%) exact matches, in which:  
2109 unique CDR3  
13 unique J



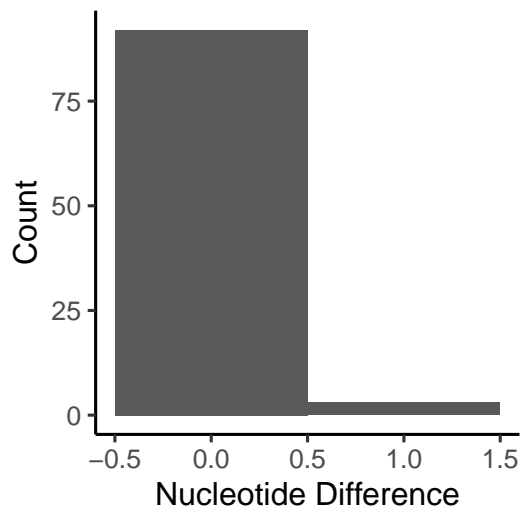
### TRBV11-1\*ap01

487 sequences assigned  
481 (98.8%) exact matches, in which:  
473 unique CDR3  
13 unique J



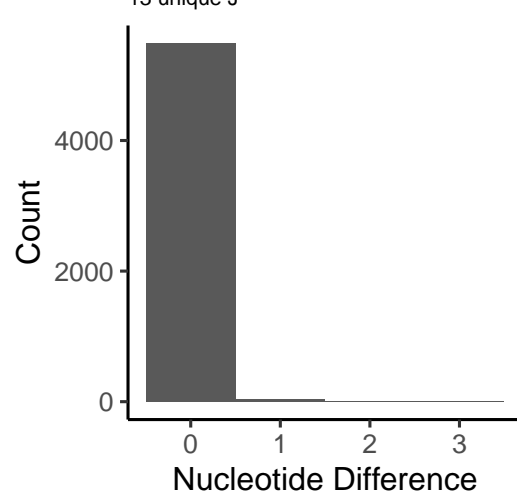
### TRBV12-1\*ap01

95 sequences assigned  
92 (96.8%) exact matches, in which:  
91 unique CDR3  
11 unique J



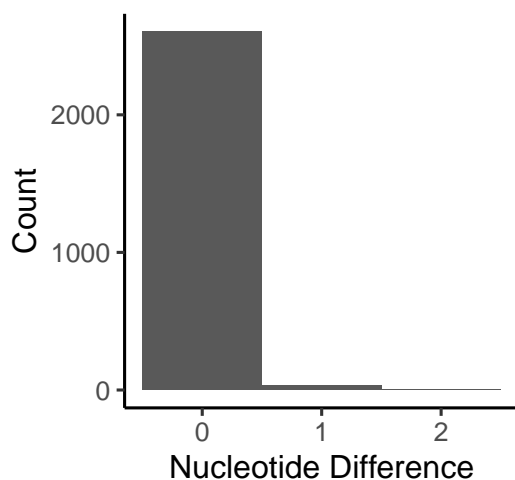
### TRBV12-34\*ap01

5533 sequences assigned  
5487 (99.2%) exact matches, in which:  
5400 unique CDR3  
13 unique J



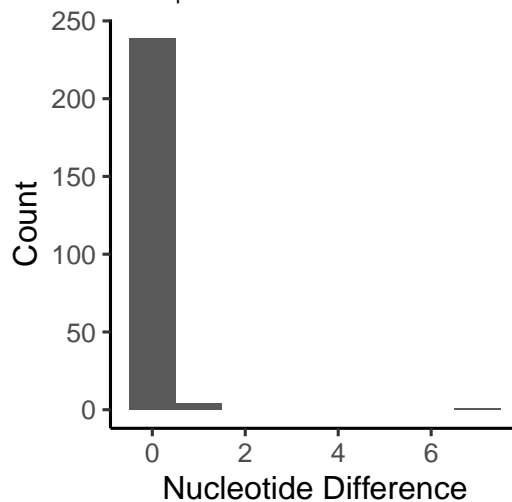
### TRBV11-2\*ap01

2640 sequences assigned  
2604 (98.6%) exact matches, in which:  
2537 unique CDR3  
13 unique J



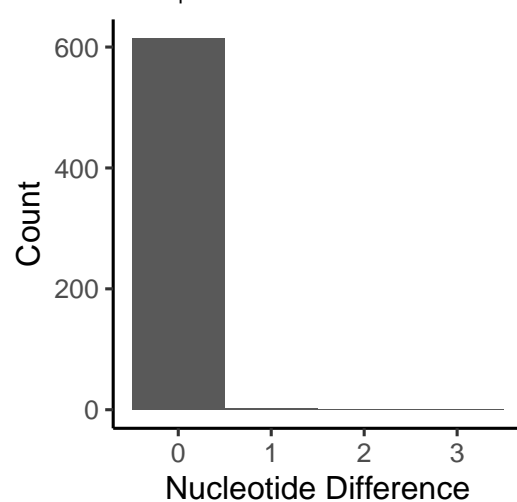
### TRBV12-2\*ap01

244 sequences assigned  
239 (98%) exact matches, in which:  
234 unique CDR3  
13 unique J



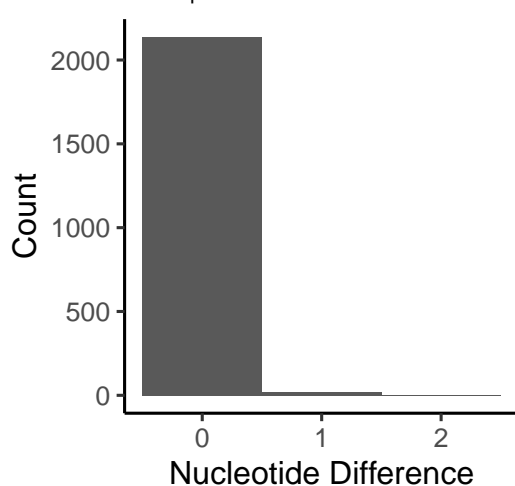
### TRBV23-1\*ap01

620 sequences assigned  
615 (99.2%) exact matches, in which:  
603 unique CDR3  
13 unique J



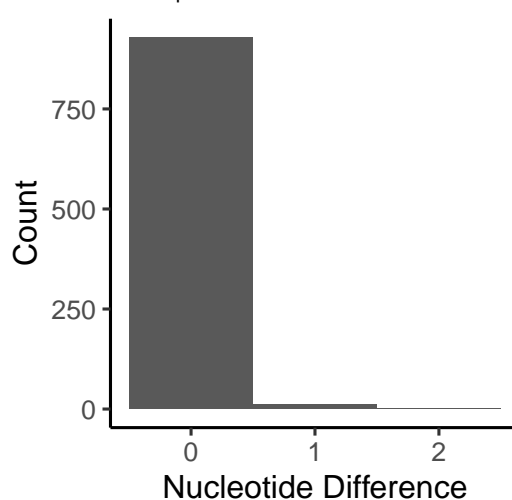
### TRBV11-3\*ap01

2159 sequences assigned  
2137 (99%) exact matches, in which:  
2095 unique CDR3  
13 unique J



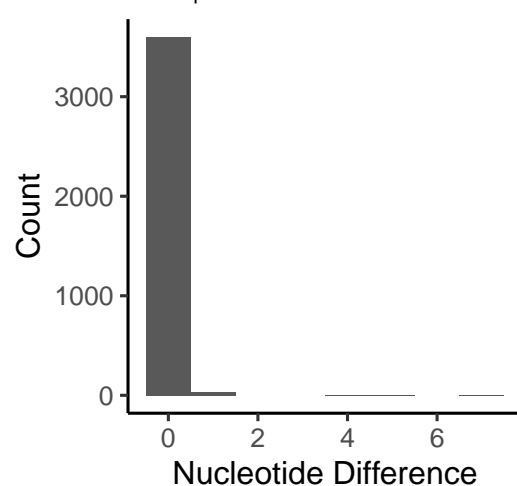
### TRBV12-5\*ap01

941 sequences assigned  
929 (98.7%) exact matches, in which:  
908 unique CDR3  
13 unique J



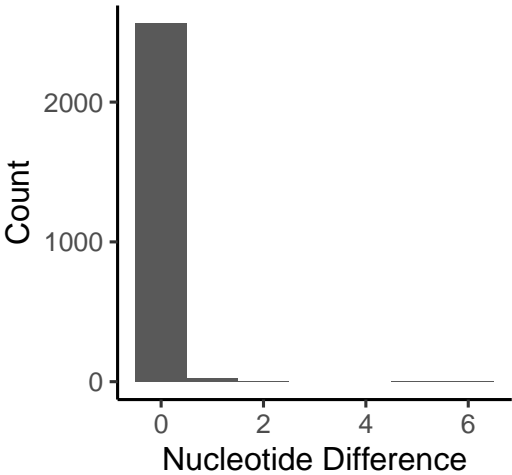
### TRBV3-12\*ap01

3634 sequences assigned  
3599 (99%) exact matches, in which:  
3549 unique CDR3  
13 unique J



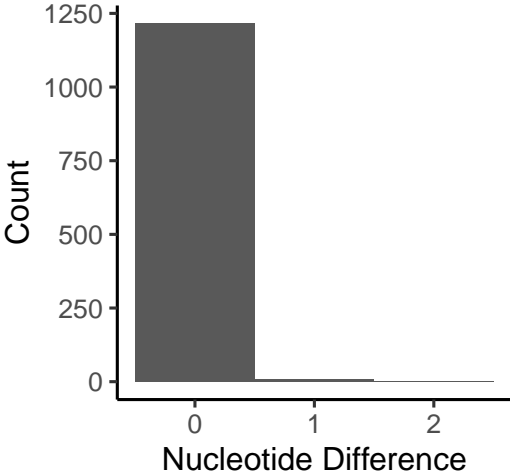
TRBV4-1\*ap01

2591 sequences assigned  
2563 (98.9%) exact matches, in which:  
2532 unique CDR3  
13 unique J



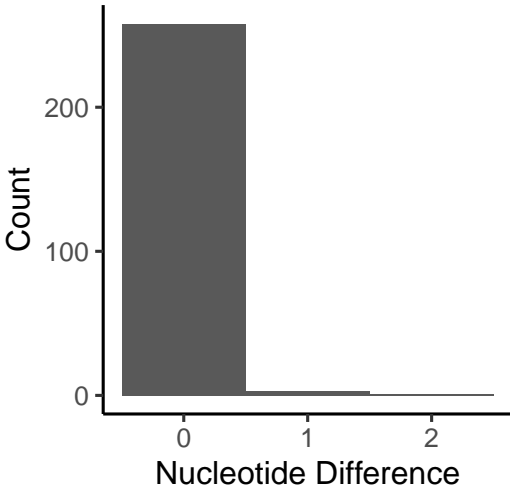
TRBV4-3\*ap01

1226 sequences assigned  
1216 (99.2%) exact matches, in which:  
1195 unique CDR3  
13 unique J



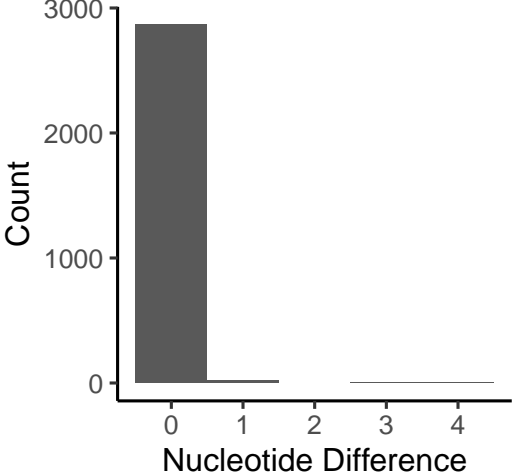
TRBV5-3\*ap01

262 sequences assigned  
258 (98.5%) exact matches, in which:  
252 unique CDR3  
13 unique J



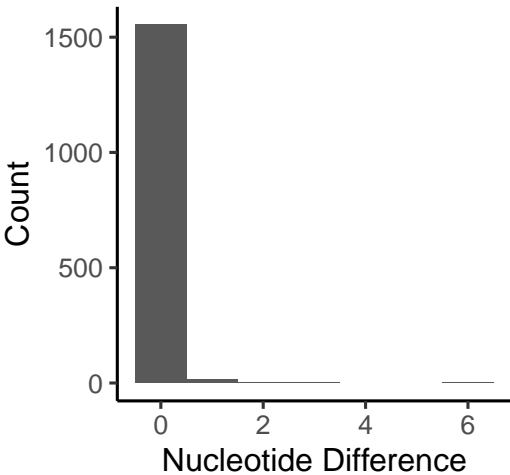
TRBV24-1\*ap01

2886 sequences assigned  
2866 (99.3%) exact matches, in which:  
2837 unique CDR3  
13 unique J



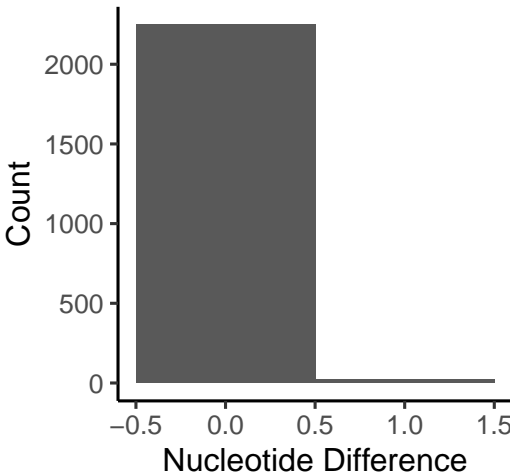
TRBV25-1\*ap01

1574 sequences assigned  
1554 (98.7%) exact matches, in which:  
1540 unique CDR3  
13 unique J



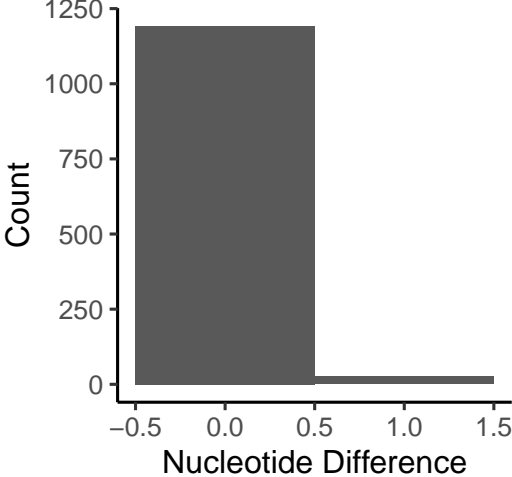
TRBV5-4\*ap01

2273 sequences assigned  
2248 (98.9%) exact matches, in which:  
2216 unique CDR3  
13 unique J



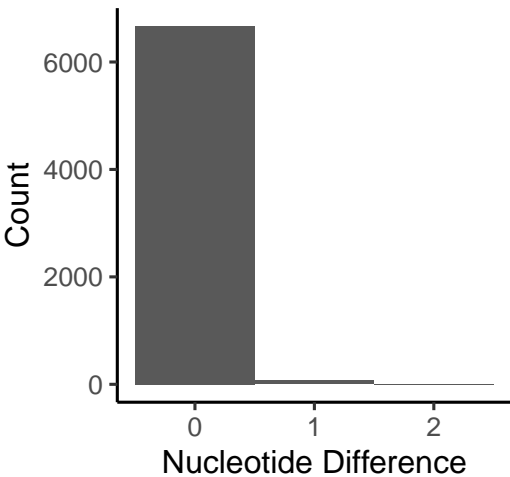
TRBV4-2\*ap01

1218 sequences assigned  
1192 (97.9%) exact matches, in which:  
1177 unique CDR3  
13 unique J



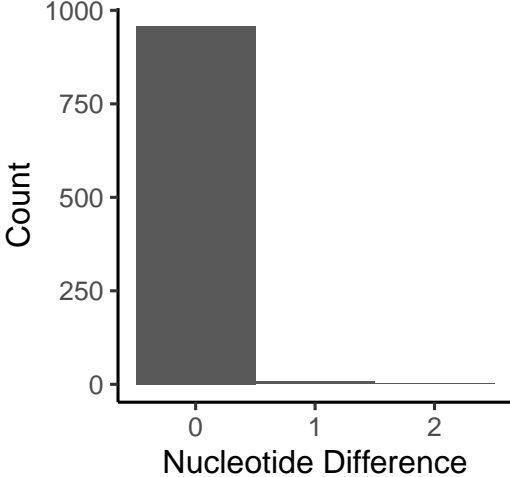
TRBV5-1\*ap01

6743 sequences assigned  
6669 (98.9%) exact matches, in which:  
6489 unique CDR3  
13 unique J



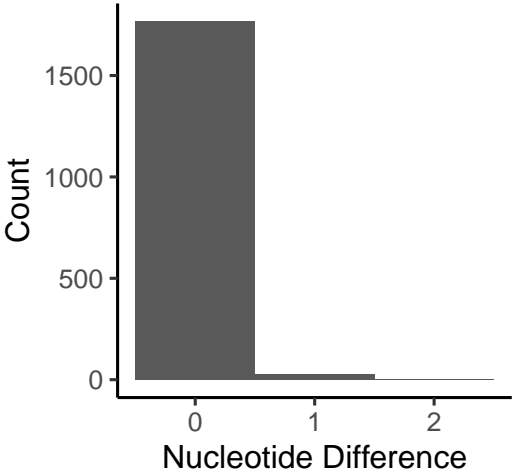
TRBV5-5\*ap01

968 sequences assigned  
958 (99%) exact matches, in which:  
939 unique CDR3  
13 unique J



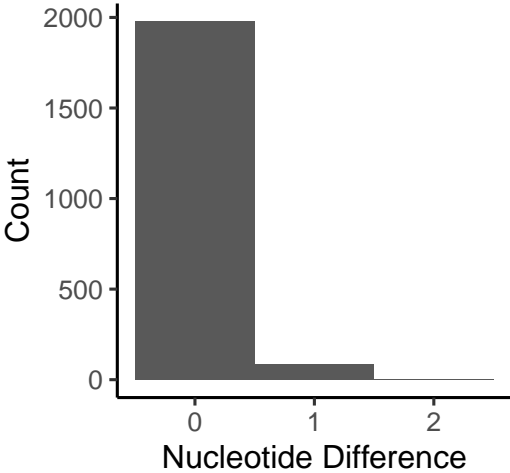
TRBV5-6\*ap01

1795 sequences assigned  
1767 (98.4%) exact matches, in which:  
1741 unique CDR3  
13 unique J



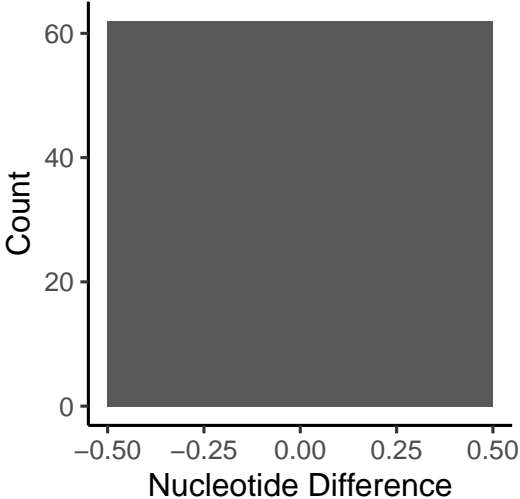
TRBV6-1\*ap01

2064 sequences assigned  
1978 (95.8%) exact matches, in which:  
1949 unique CDR3  
13 unique J



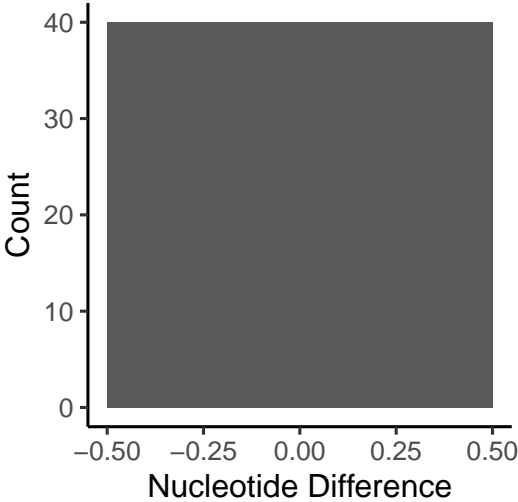
TRBV6-8\*ap01

62 sequences assigned  
62 (100%) exact matches, in which:  
62 unique CDR3  
13 unique J



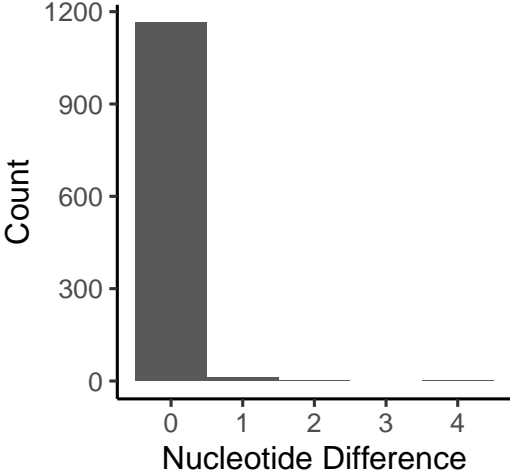
TRBV5-7\*ap01

40 sequences assigned  
40 (100%) exact matches, in which:  
40 unique CDR3  
10 unique J



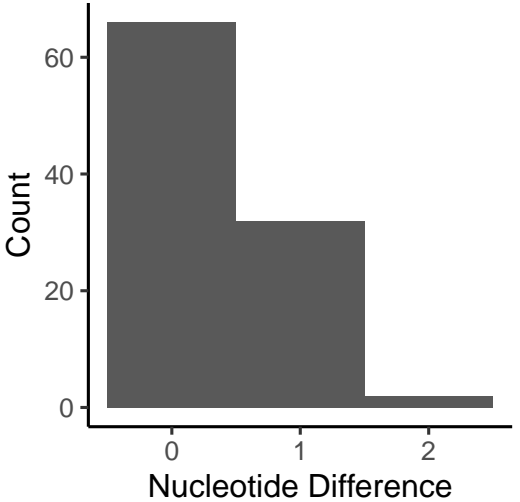
TRBV6-4\*ap01

1179 sequences assigned  
1164 (98.7%) exact matches, in which:  
1149 unique CDR3  
13 unique J



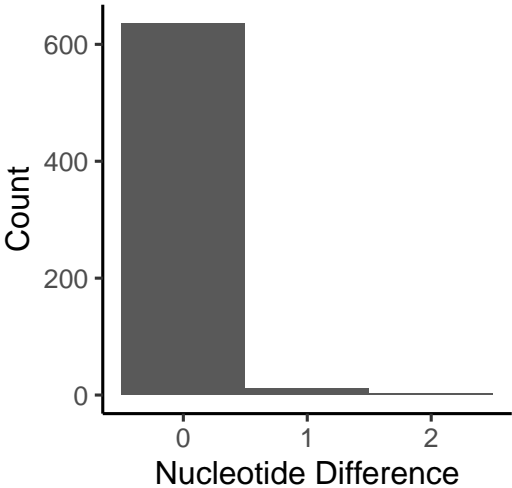
TRBV6-9\*ap01

100 sequences assigned  
66 (66%) exact matches, in which:  
65 unique CDR3  
12 unique J



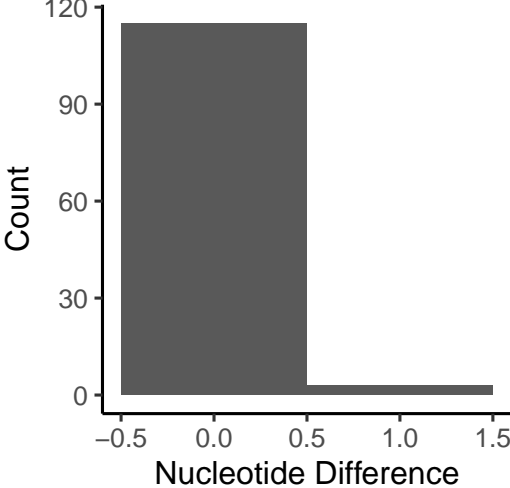
TRBV5-8\*ap01

649 sequences assigned  
636 (98%) exact matches, in which:  
623 unique CDR3  
13 unique J



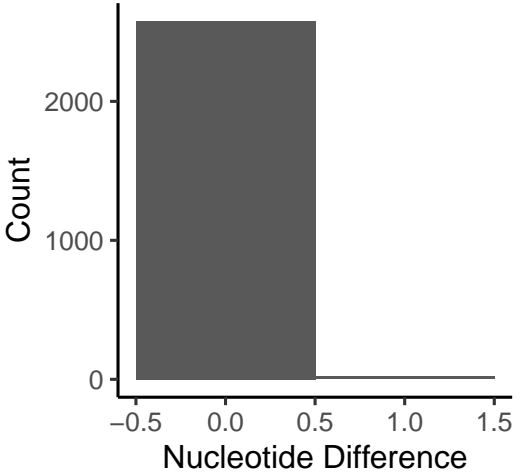
TRBV6-7\*ap01

118 sequences assigned  
115 (97.5%) exact matches, in which:  
114 unique CDR3  
13 unique J



TRBV6-23\*ap01

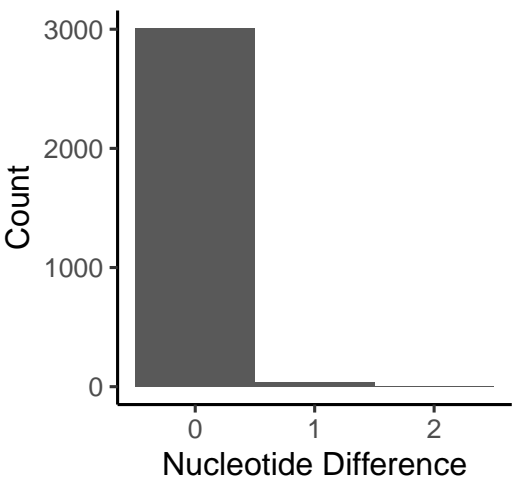
2599 sequences assigned  
2578 (99.2%) exact matches, in which:  
2538 unique CDR3  
13 unique J





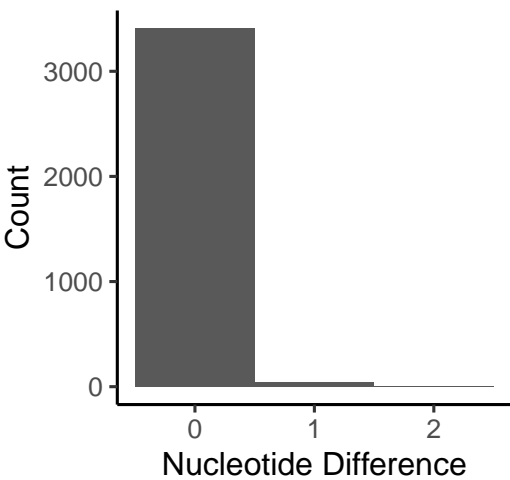
TRBV6-56\*ap01

3046 sequences assigned  
3007 (98.7%) exact matches, in which:  
2962 unique CDR3  
13 unique J



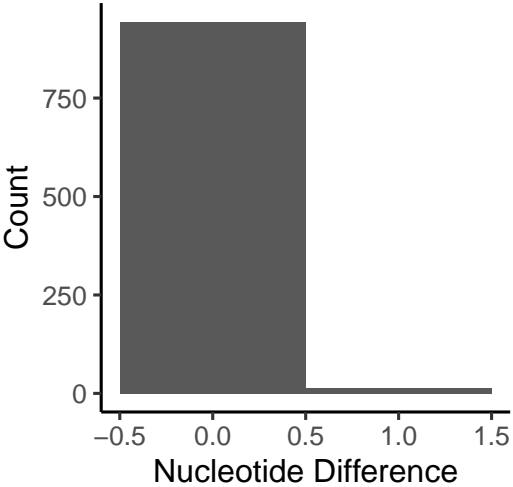
TRBV7-2\*ap01

3453 sequences assigned  
3408 (98.7%) exact matches, in which:  
3332 unique CDR3  
13 unique J



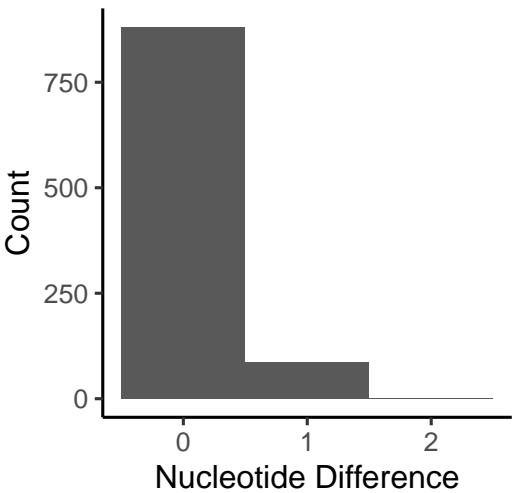
TRBV7-6\*ap01

957 sequences assigned  
944 (98.6%) exact matches, in which:  
927 unique CDR3  
13 unique J



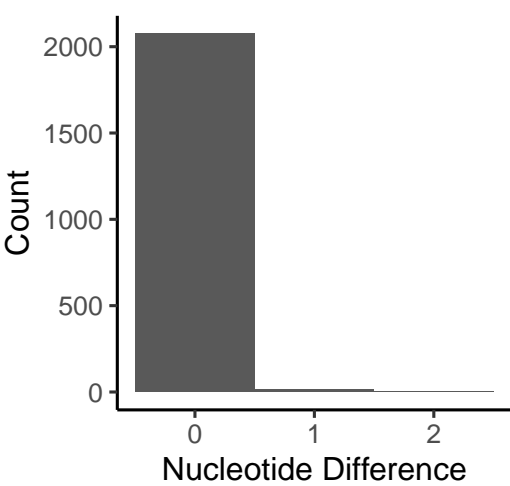
TRBV6-56\*ap02

969 sequences assigned  
881 (90.9%) exact matches, in which:  
866 unique CDR3  
13 unique J



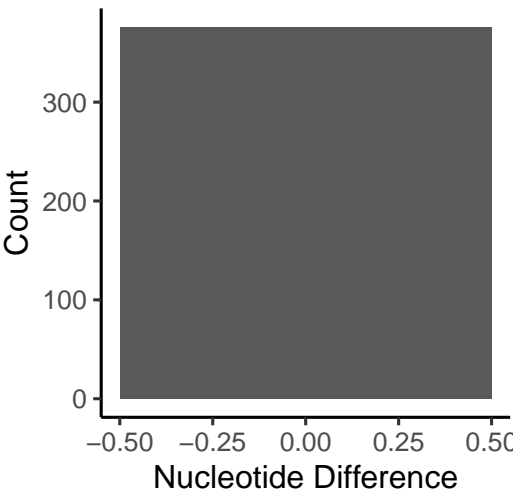
TRBV7-3\*ap01

2093 sequences assigned  
2075 (99.1%) exact matches, in which:  
2033 unique CDR3  
13 unique J



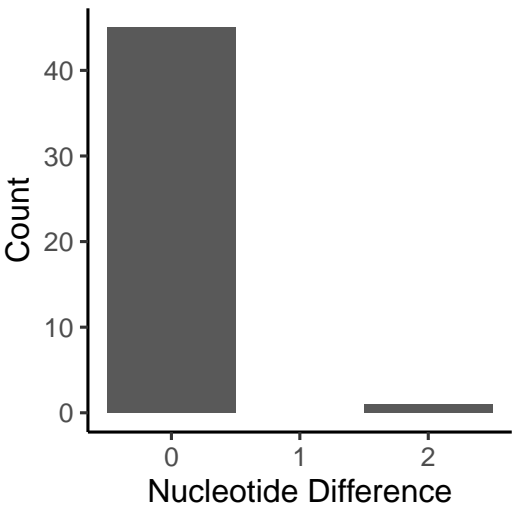
TRBV7-7\*ap01\_C315T

376 sequences assigned  
376 (100%) exact matches, in which:  
374 unique CDR3  
12 unique J



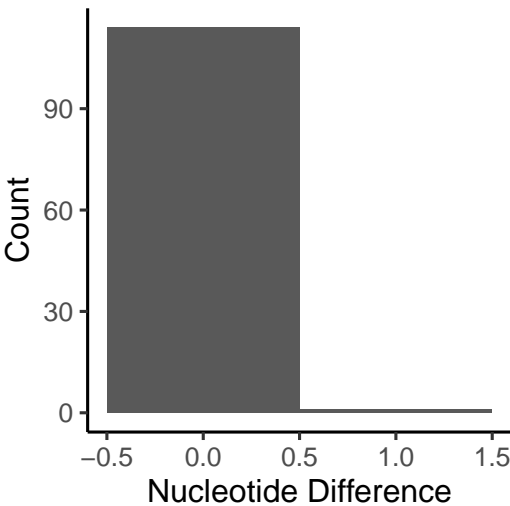
TRBV7-1\*ap01\_G291C\_T

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



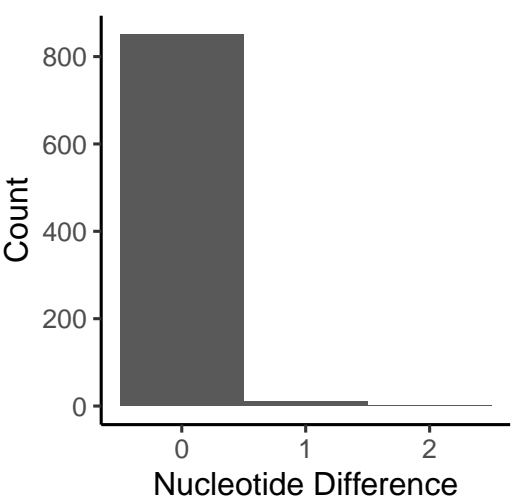
TRBV7-4\*ap01

115 sequences assigned  
114 (99.1%) exact matches, in which:  
112 unique CDR3  
13 unique J



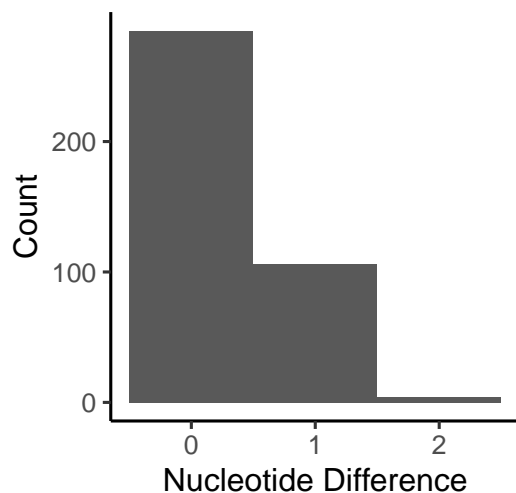
TRBV7-8\*ap01

862 sequences assigned  
851 (98.7%) exact matches, in which:  
840 unique CDR3  
13 unique J



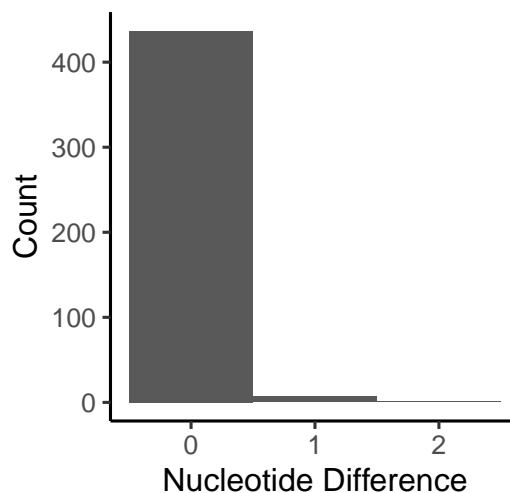
### TRBV7–8\*ap03

395 sequences assigned  
285 (72.2%) exact matches, in which:  
280 unique CDR3  
13 unique J



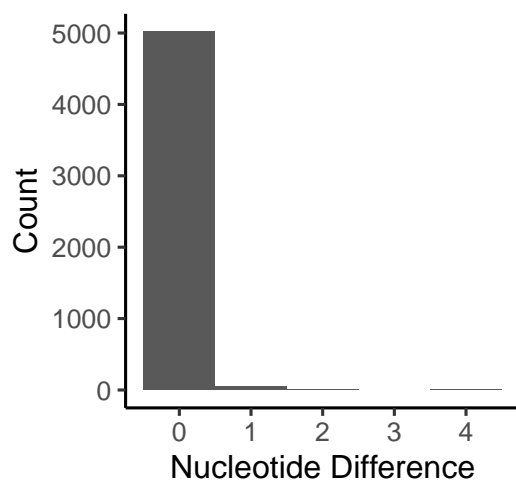
### TRBV29–1\*ap02

445 sequences assigned  
437 (98.2%) exact matches, in which:  
433 unique CDR3  
13 unique J



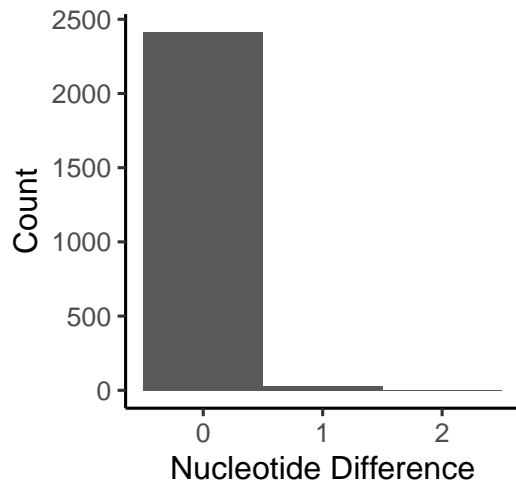
### TRBV7–9\*ap01

5063 sequences assigned  
5018 (99.1%) exact matches, in which:  
4937 unique CDR3  
13 unique J

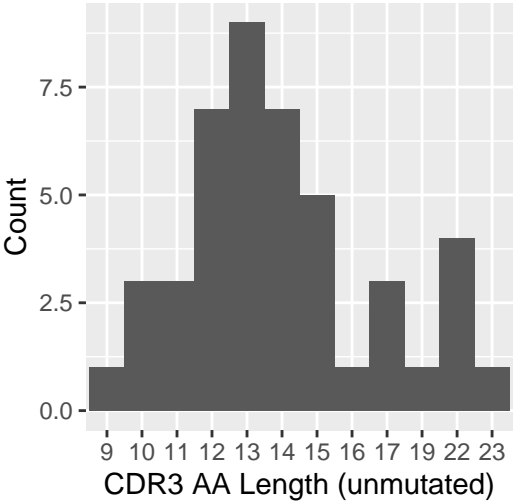


### TRBV29–1\*ap01

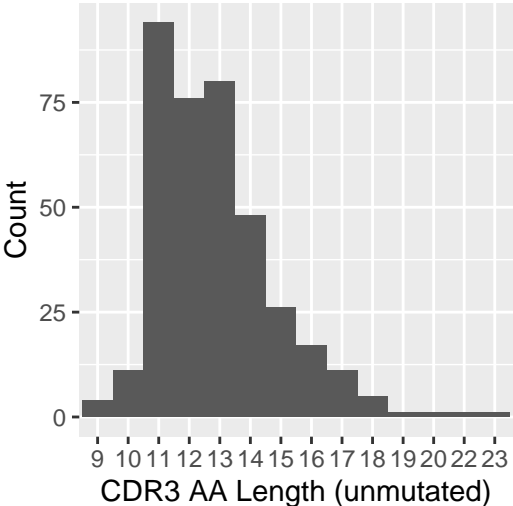
2445 sequences assigned  
2414 (98.7%) exact matches, in which:  
2393 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]