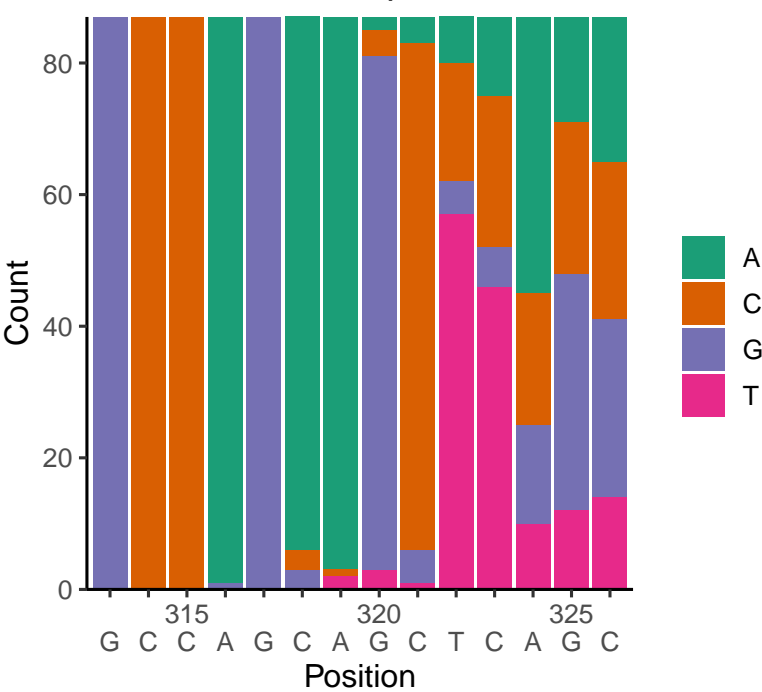
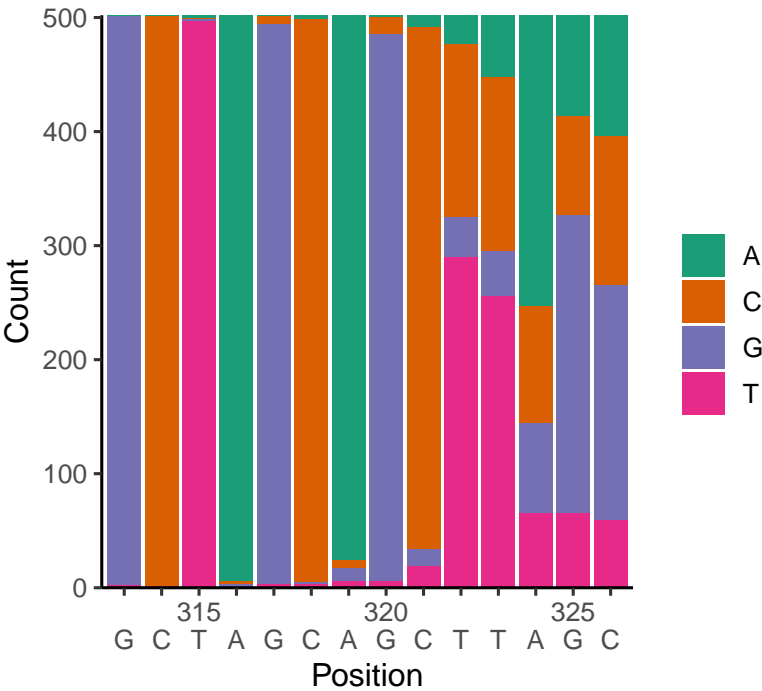


Gene TRBV7-1\*ap01\_G291C\_T296C



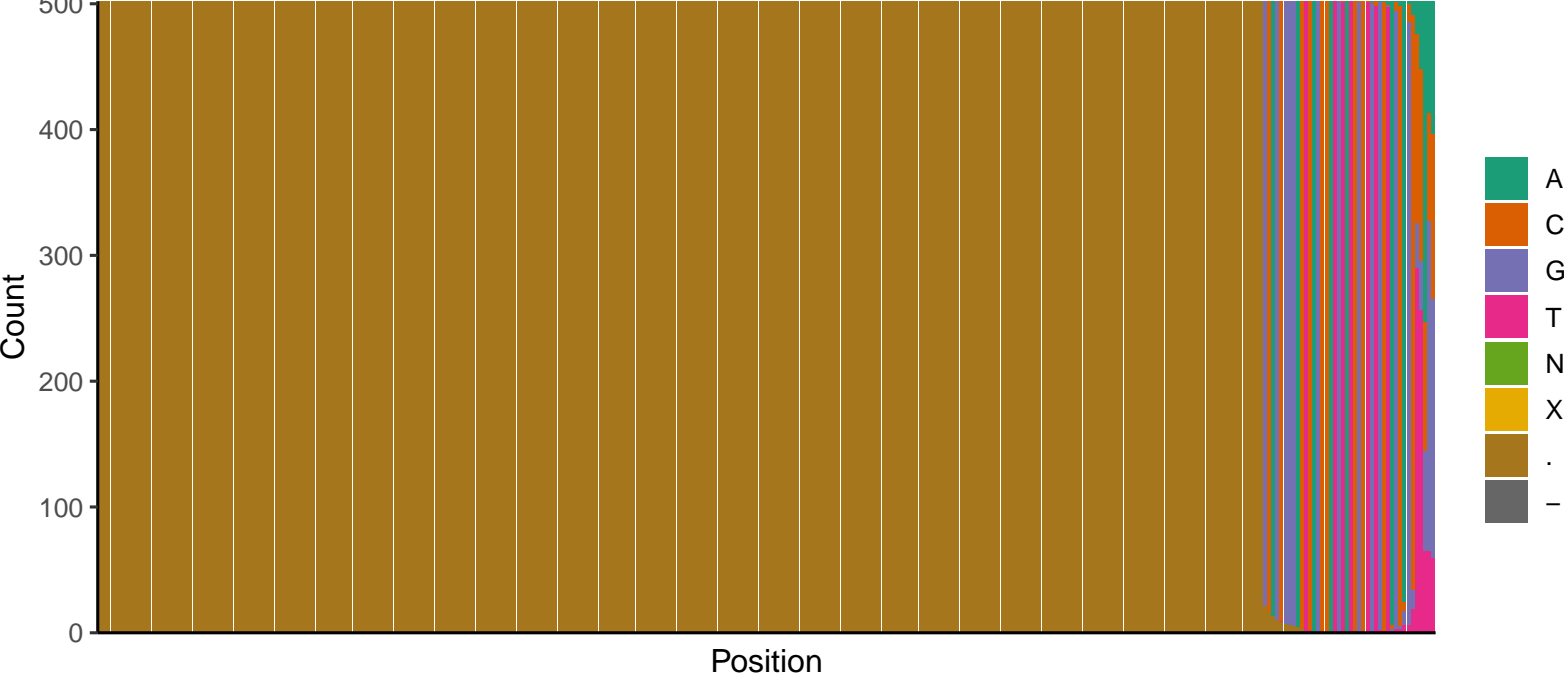
Gene TRBV7-7\*ap01\_C315T



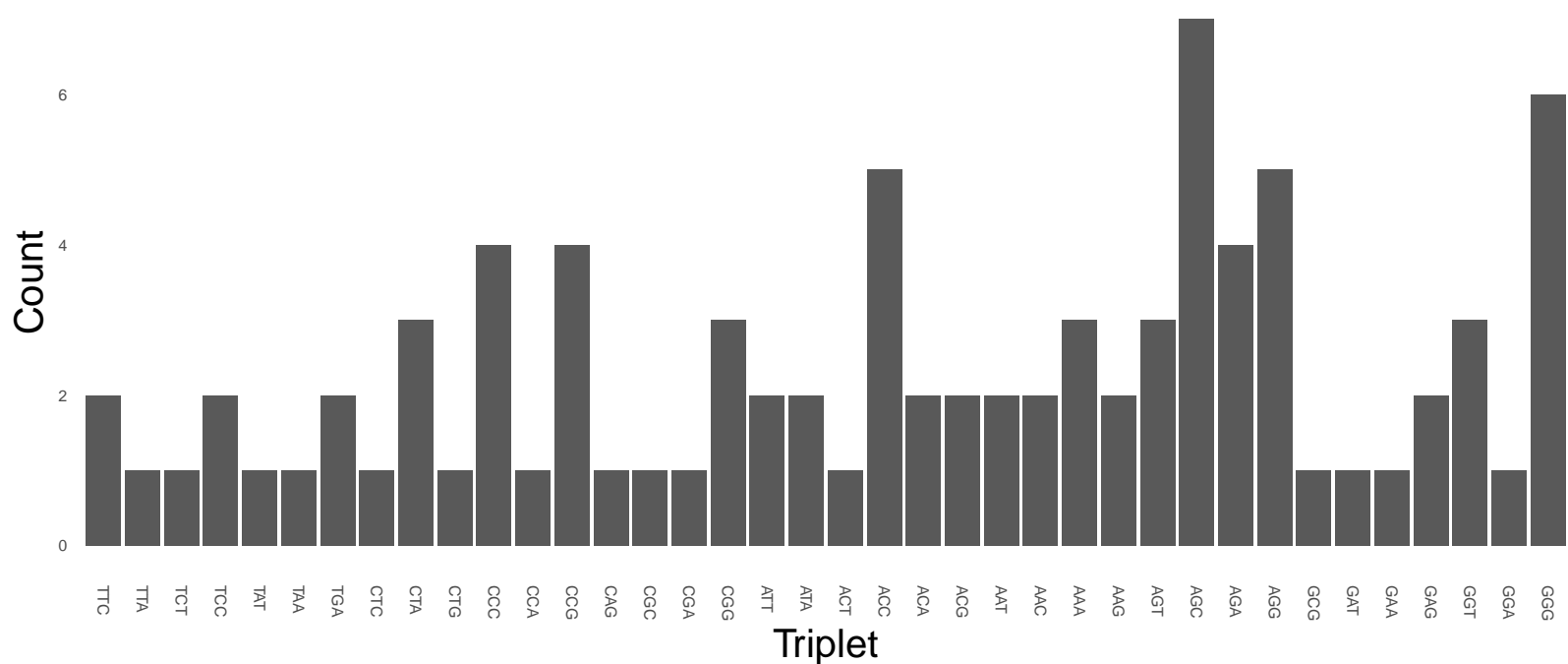
Gene TRBV7-1\*ap01\_G291C\_T296C



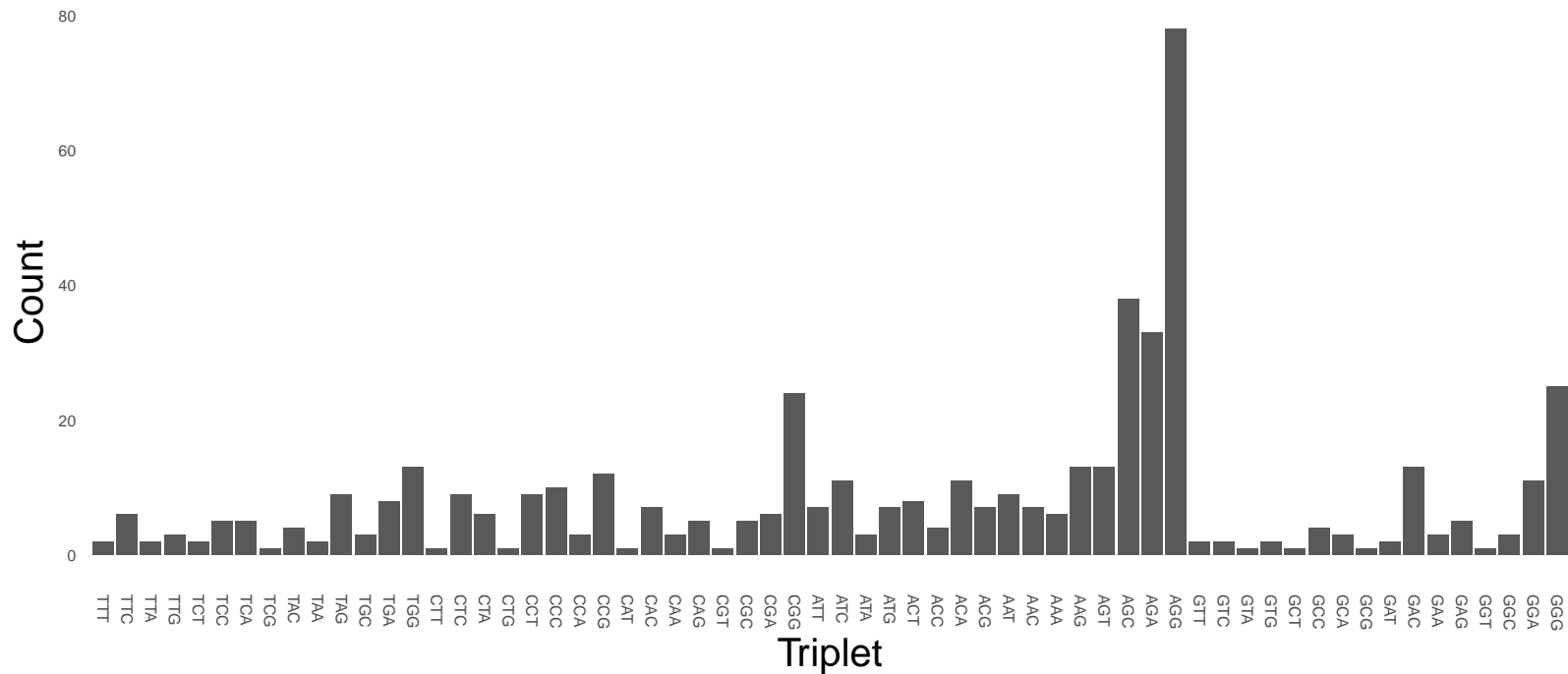
Gene TRBV7-7\*ap01\_C315T



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

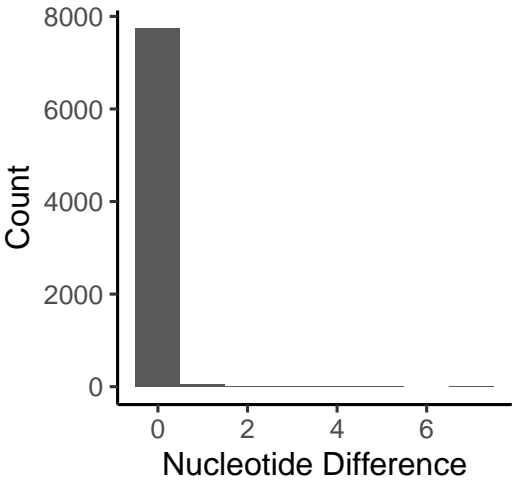


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



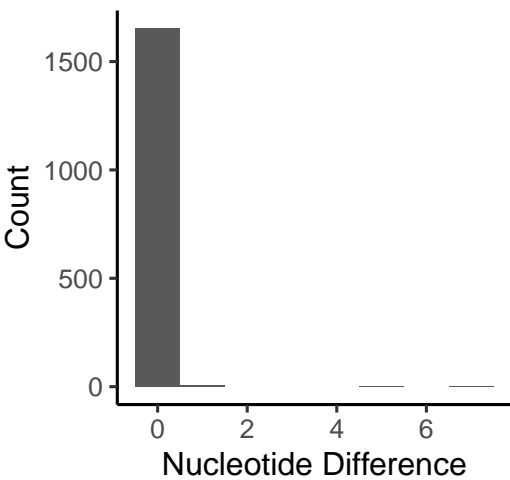
TRBV20-1\*ap01

7825 sequences assigned  
7740 (98.9%) exact matches, in which:  
7724 unique CDR3  
13 unique J



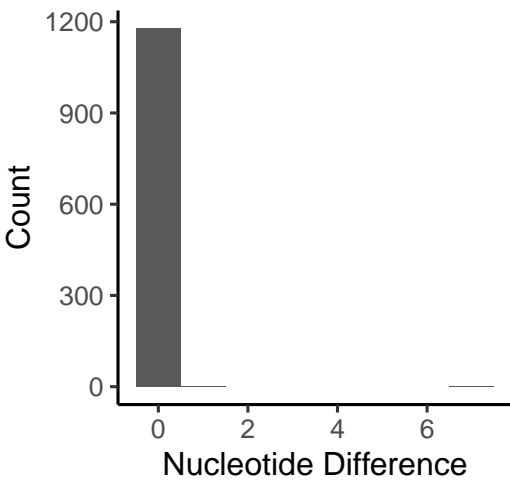
TRBV10-3\*ap01

1662 sequences assigned  
1653 (99.5%) exact matches, in which:  
1649 unique CDR3  
13 unique J



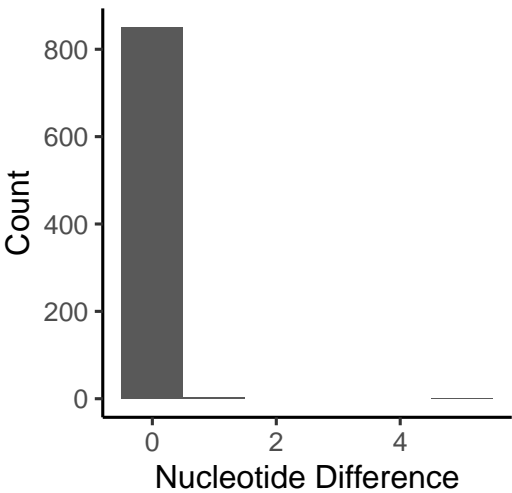
TRBV14\*ap01

1182 sequences assigned  
1178 (99.7%) exact matches, in which:  
1177 unique CDR3  
13 unique J



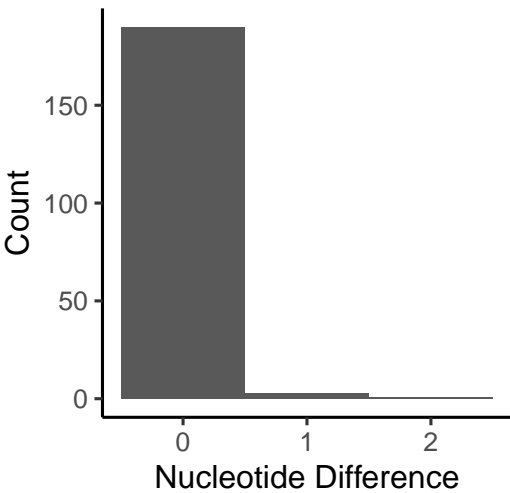
TRBV10-1\*ap01

856 sequences assigned  
851 (99.4%) exact matches, in which:  
849 unique CDR3  
13 unique J



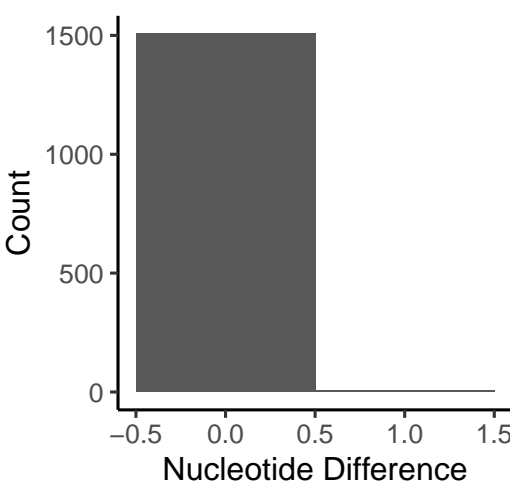
TRBV1\*ap01

194 sequences assigned  
190 (97.9%) exact matches, in which:  
189 unique CDR3  
13 unique J



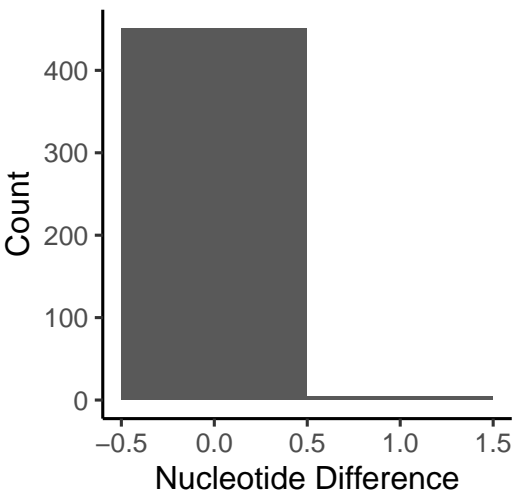
TRBV15\*ap02

1513 sequences assigned  
1507 (99.6%) exact matches, in which:  
1497 unique CDR3  
13 unique J



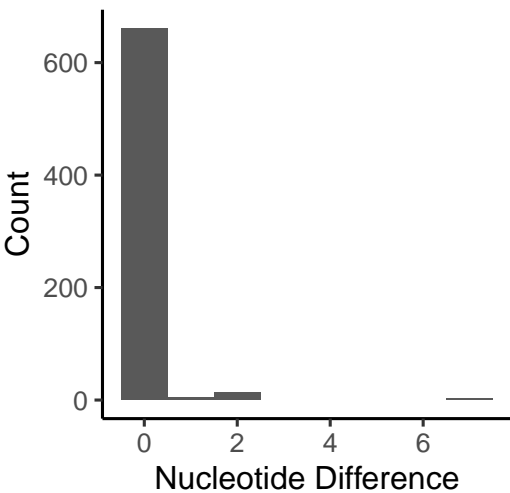
TRBV10-2\*ap01

455 sequences assigned  
451 (99.1%) exact matches, in which:  
451 unique CDR3  
13 unique J



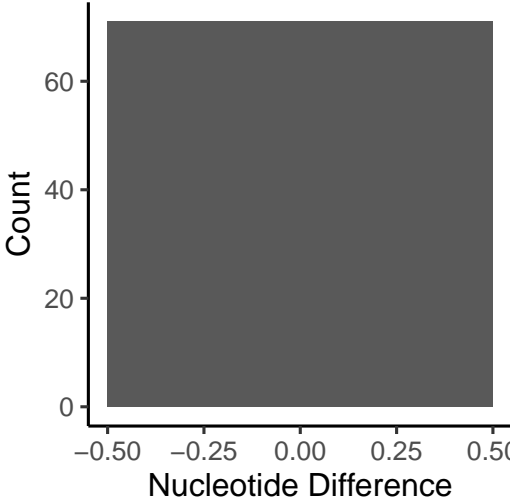
TRBV13\*ap01

682 sequences assigned  
661 (96.9%) exact matches, in which:  
648 unique CDR3  
13 unique J



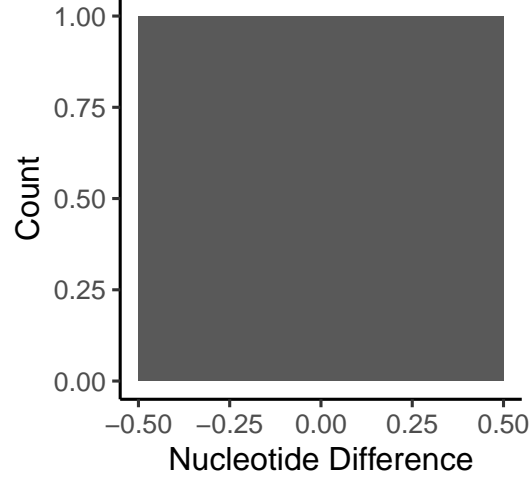
TRBV16\*ap01

71 sequences assigned  
71 (100%) exact matches, in which:  
70 unique CDR3  
12 unique J



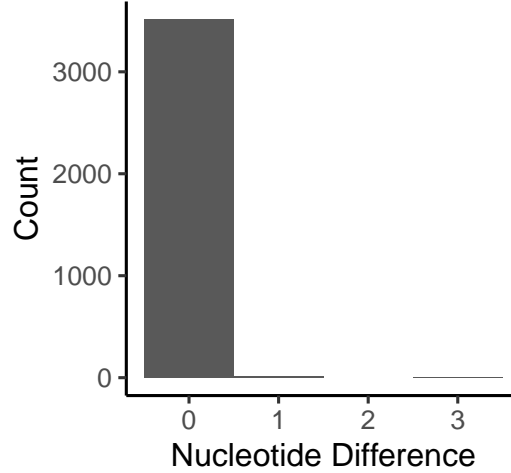
### TRBV17\*ap01

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



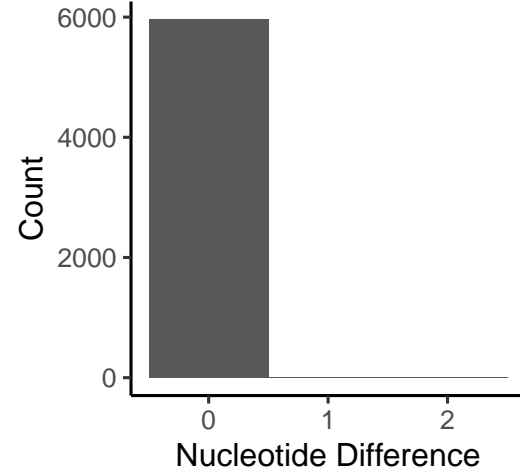
### TRBV2\*ap01

3532 sequences assigned  
3514 (99.5%) exact matches, in which:  
3506 unique CDR3  
13 unique J



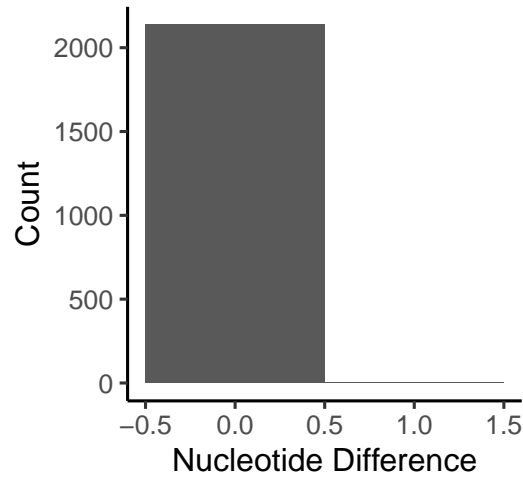
### TRBV28\*ap01

5980 sequences assigned  
5962 (99.7%) exact matches, in which:  
5940 unique CDR3  
13 unique J



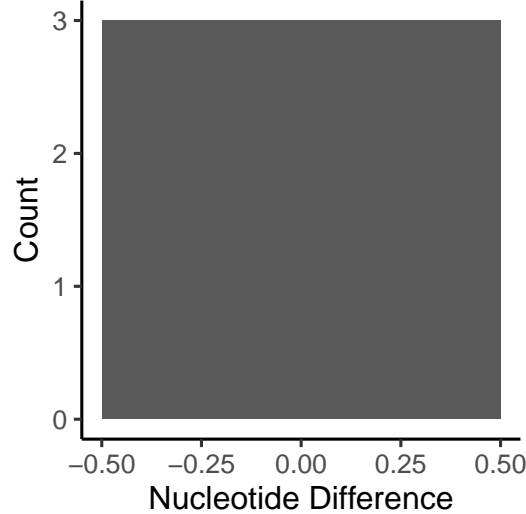
### TRBV18\*ap01

2141 sequences assigned  
2137 (99.8%) exact matches, in which:  
2128 unique CDR3  
13 unique J



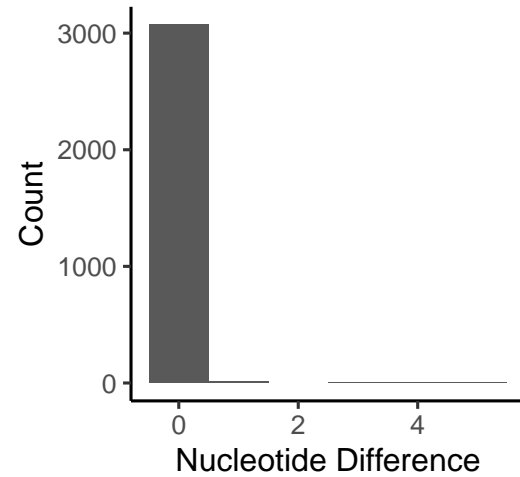
### TRBV26\*ap01

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



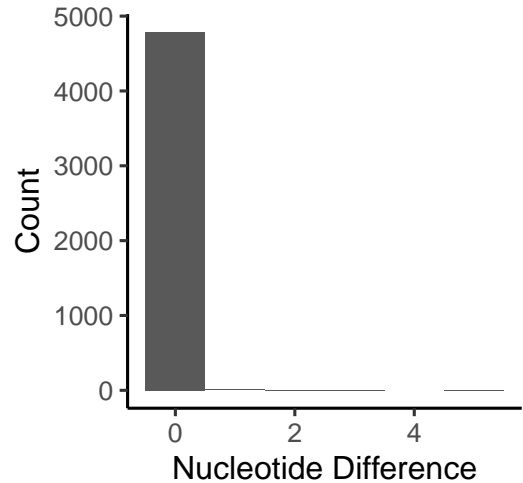
### TRBV30\*ap01

3091 sequences assigned  
3072 (99.4%) exact matches, in which:  
3064 unique CDR3  
13 unique J



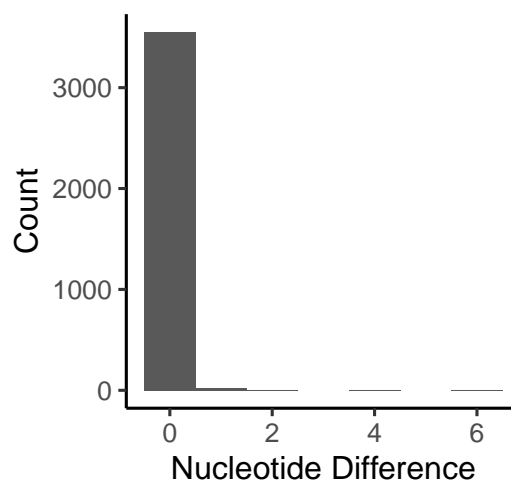
### TRBV19\*ap01

4801 sequences assigned  
4787 (99.7%) exact matches, in which:  
4779 unique CDR3  
13 unique J



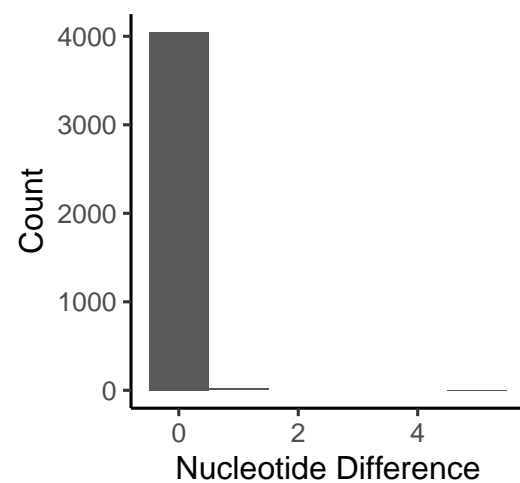
### TRBV27\*ap01

3576 sequences assigned  
3551 (99.3%) exact matches, in which:  
3541 unique CDR3  
13 unique J



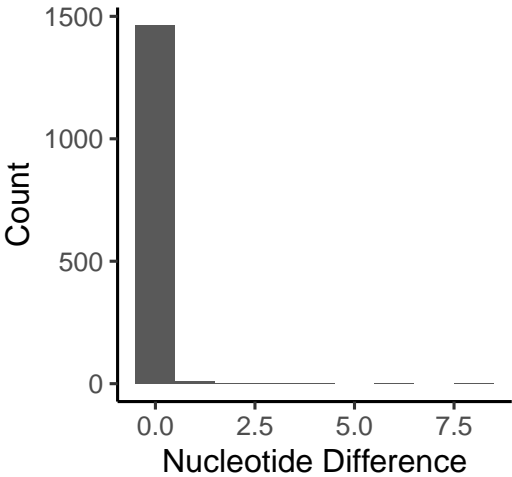
### TRBV9\*ap01

4069 sequences assigned  
4048 (99.5%) exact matches, in which:  
4028 unique CDR3  
13 unique J



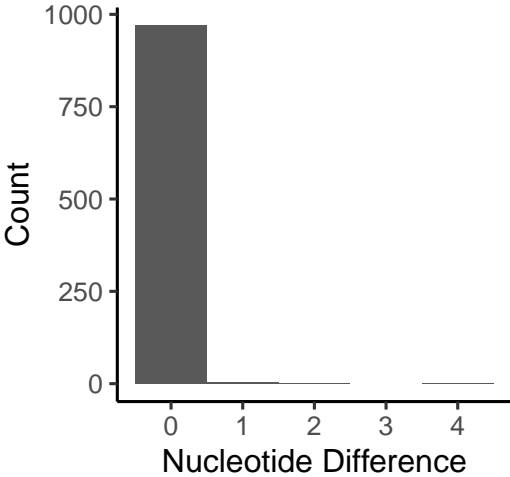
TRBV21-1\*ap01

1483 sequences assigned  
1463 (98.7%) exact matches, in which:  
1463 unique CDR3  
13 unique J



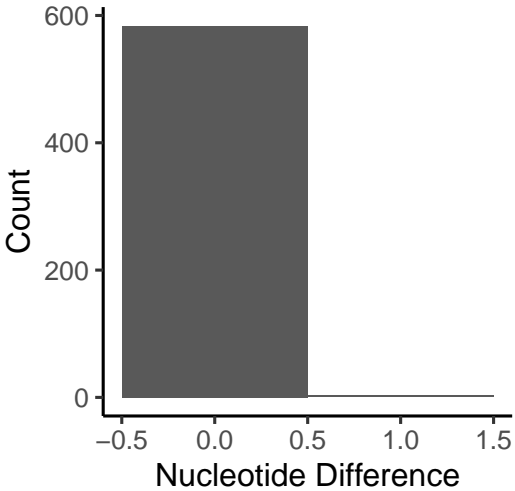
TRBV11-3\*ap01

975 sequences assigned  
970 (99.5%) exact matches, in which:  
969 unique CDR3  
13 unique J



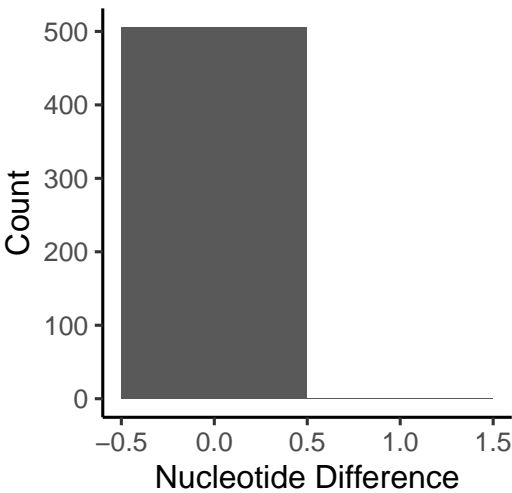
TRBV12-5\*ap01

587 sequences assigned  
584 (99.5%) exact matches, in which:  
584 unique CDR3  
13 unique J



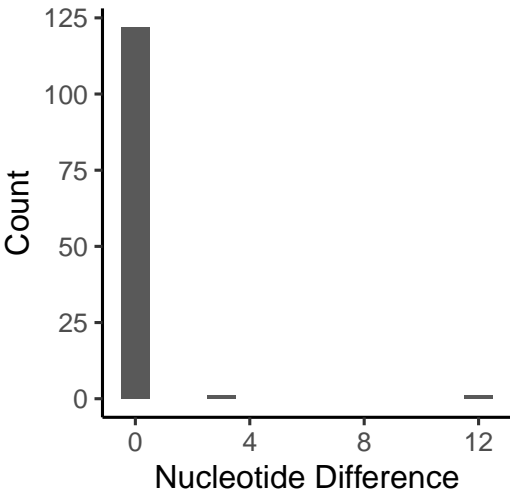
TRBV11-1\*ap01

507 sequences assigned  
506 (99.8%) exact matches, in which:  
503 unique CDR3  
13 unique J



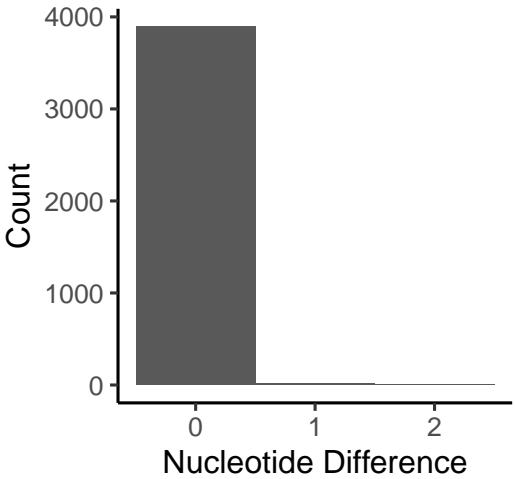
TRBV12-1\*ap01

124 sequences assigned  
122 (98.4%) exact matches, in which:  
122 unique CDR3  
13 unique J



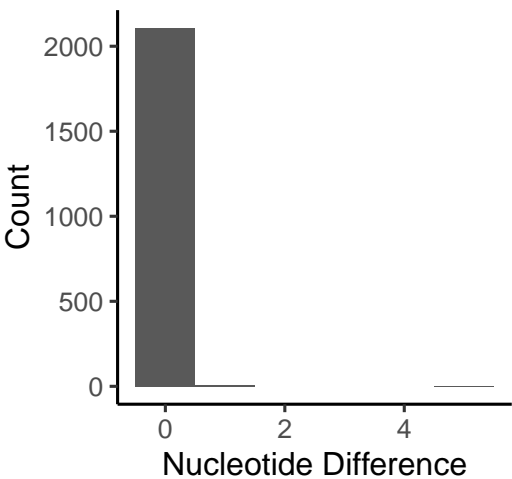
TRBV12-34\*ap01

3913 sequences assigned  
3893 (99.5%) exact matches, in which:  
3879 unique CDR3  
13 unique J



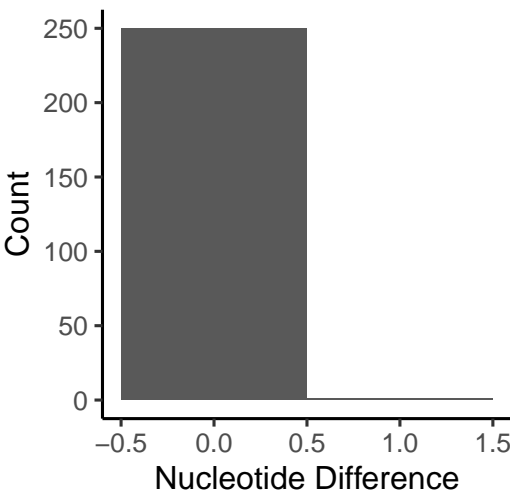
TRBV11-2\*ap01

2115 sequences assigned  
2107 (99.6%) exact matches, in which:  
2102 unique CDR3  
13 unique J



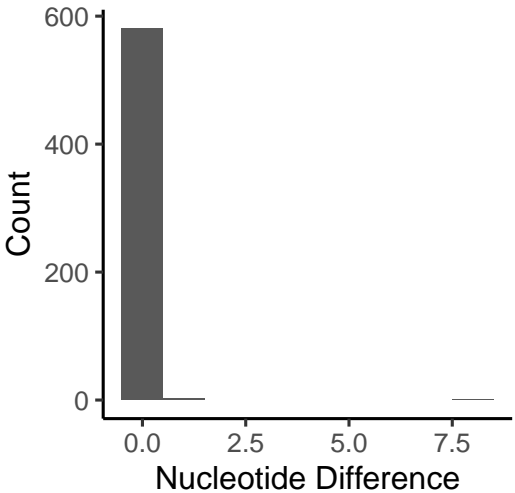
TRBV12-2\*ap01

251 sequences assigned  
250 (99.6%) exact matches, in which:  
250 unique CDR3  
13 unique J



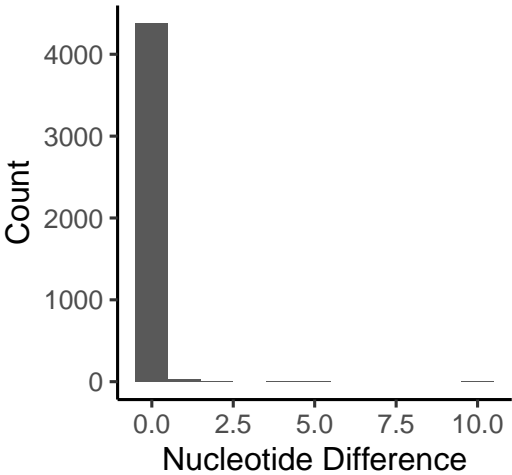
TRBV23-1\*ap01

584 sequences assigned  
581 (99.5%) exact matches, in which:  
581 unique CDR3  
13 unique J



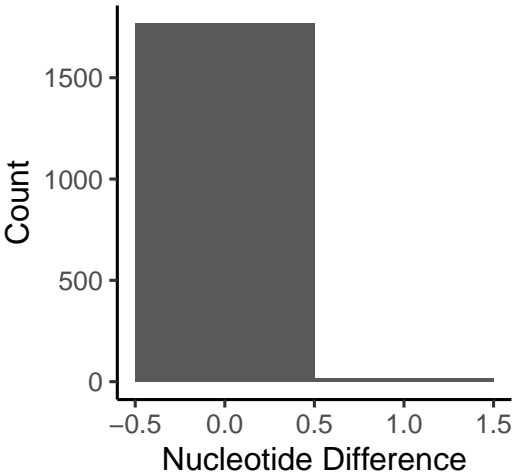
TRBV3-12\*ap01

4417 sequences assigned  
4377 (99.1%) exact matches, in which:  
4371 unique CDR3  
13 unique J



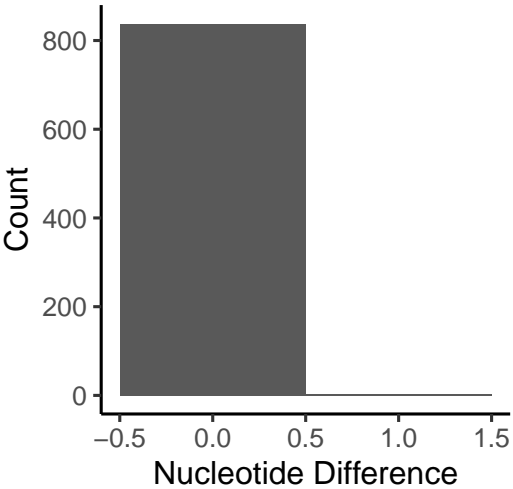
TRBV4-2\*ap01

1787 sequences assigned  
1768 (98.9%) exact matches, in which:  
1763 unique CDR3  
13 unique J



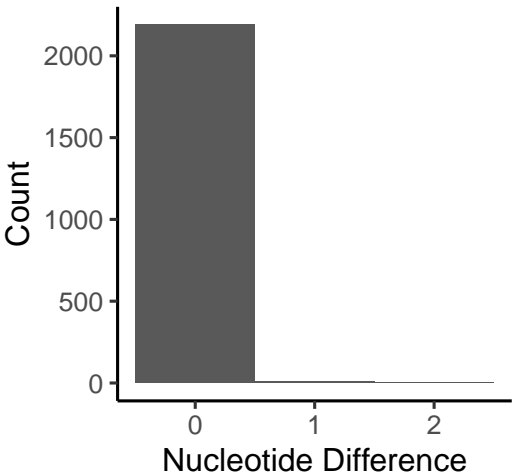
TRBV25-1\*ap01

842 sequences assigned  
838 (99.5%) exact matches, in which:  
831 unique CDR3  
13 unique J



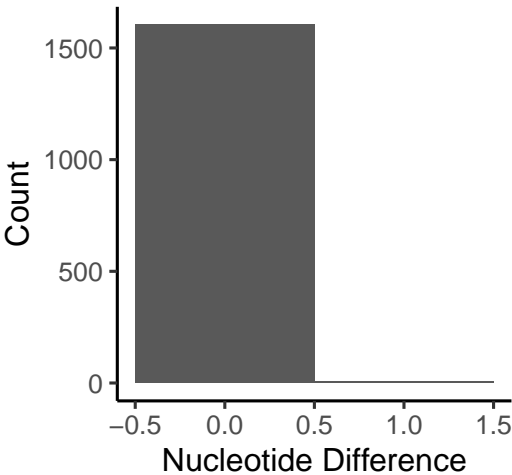
TRBV4-1\*ap01

2202 sequences assigned  
2190 (99.5%) exact matches, in which:  
2186 unique CDR3  
13 unique J



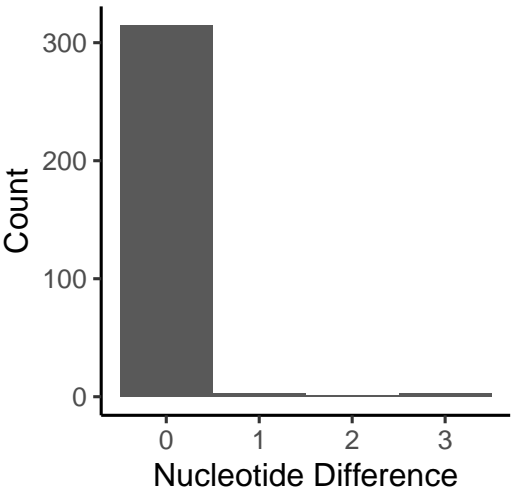
TRBV4-3\*ap01

1611 sequences assigned  
1604 (99.6%) exact matches, in which:  
1598 unique CDR3  
13 unique J



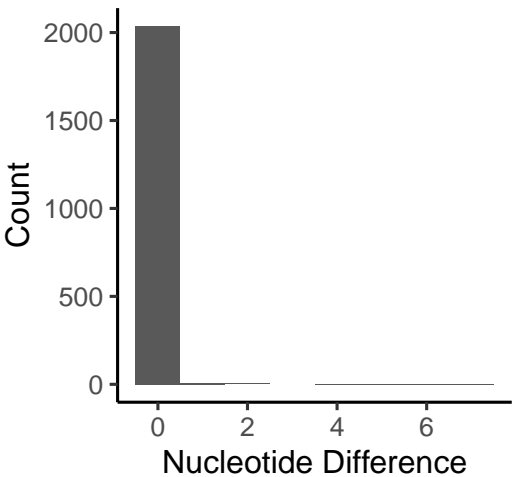
TRBV5-3\*ap01

322 sequences assigned  
315 (97.8%) exact matches, in which:  
315 unique CDR3  
13 unique J



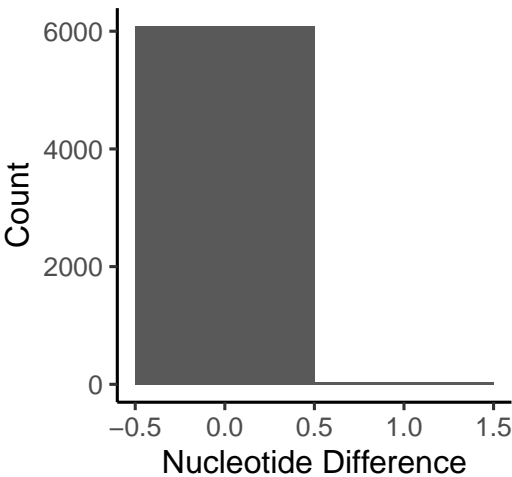
TRBV24-1\*ap01

2052 sequences assigned  
2037 (99.3%) exact matches, in which:  
2031 unique CDR3  
13 unique J



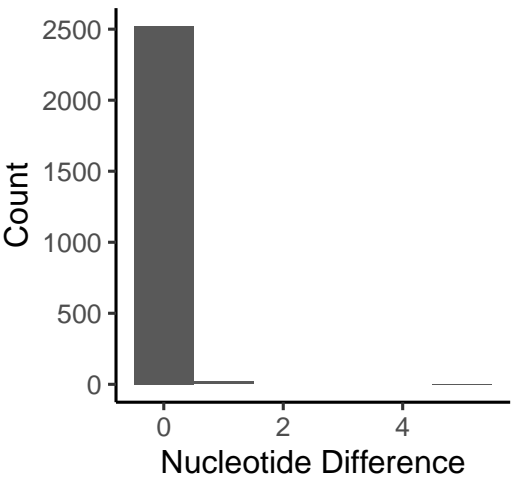
TRBV5-1\*ap01

6123 sequences assigned  
6088 (99.4%) exact matches, in which:  
6015 unique CDR3  
13 unique J



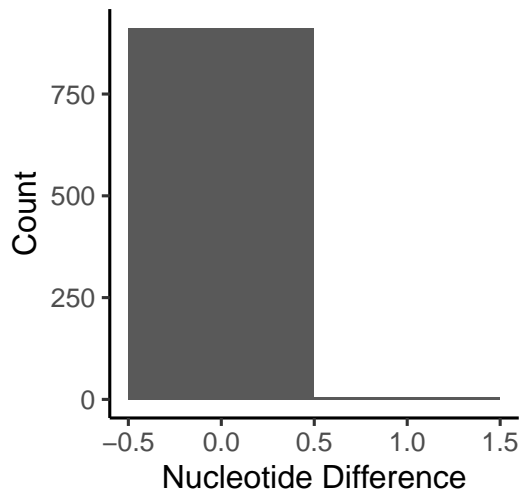
TRBV5-4\*ap01

2542 sequences assigned  
2522 (99.2%) exact matches, in which:  
2512 unique CDR3  
13 unique J



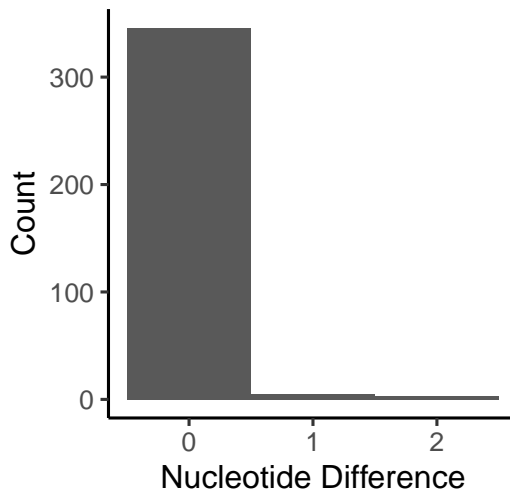
### TRBV5-5\*ap01

919 sequences assigned  
913 (99.3%) exact matches, in which:  
907 unique CDR3  
13 unique J



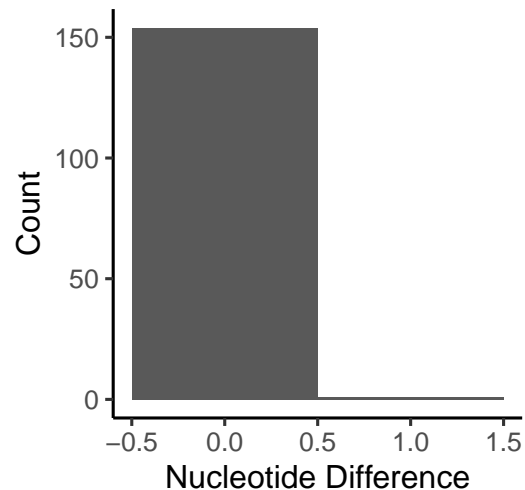
### TRBV5-8\*ap01

354 sequences assigned  
346 (97.7%) exact matches, in which:  
346 unique CDR3  
13 unique J



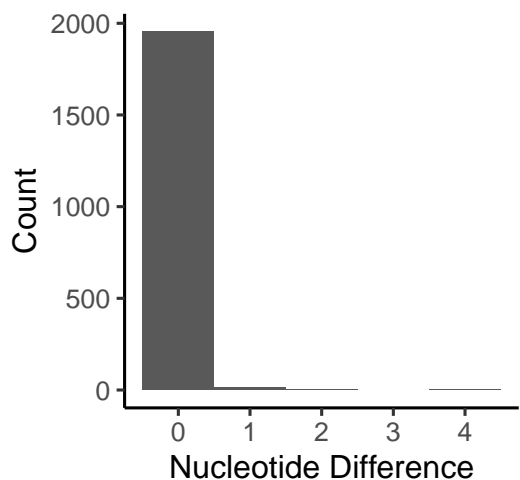
### TRBV6-7\*ap01

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



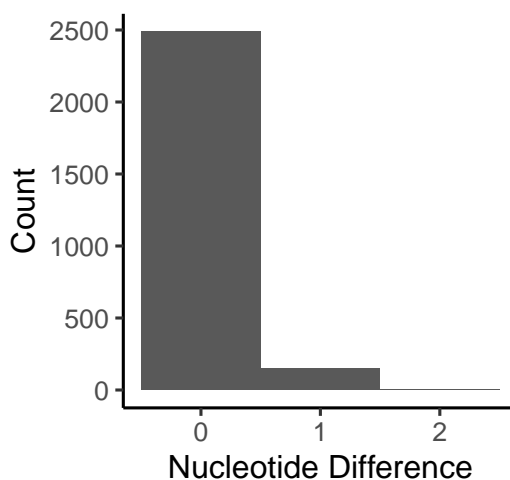
### TRBV5-6\*ap01

1969 sequences assigned  
1954 (99.2%) exact matches, in which:  
1940 unique CDR3  
13 unique J



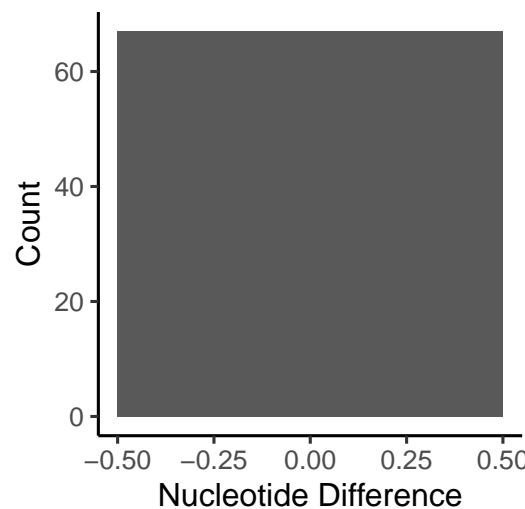
### TRBV6-1\*ap01

2637 sequences assigned  
2488 (94.3%) exact matches, in which:  
2478 unique CDR3  
13 unique J



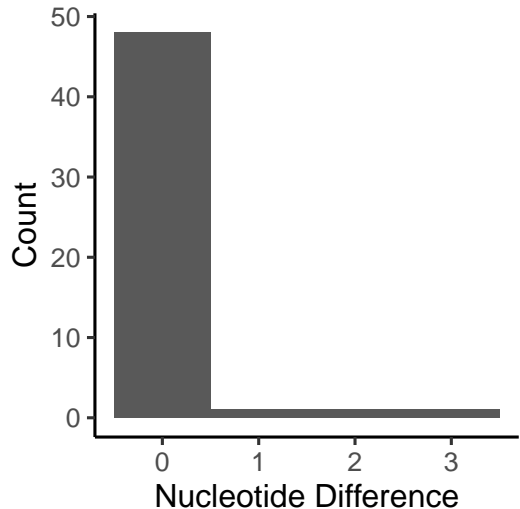
### TRBV6-8\*ap01

67 sequences assigned  
67 (100%) exact matches, in which:  
67 unique CDR3  
11 unique J



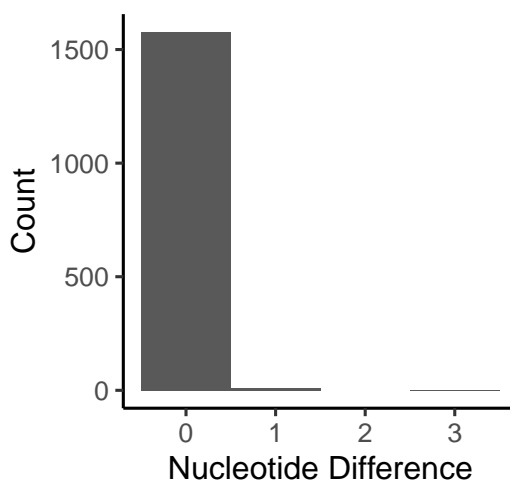
### TRBV5-7\*ap01

51 sequences assigned  
48 (94.1%) exact matches, in which:  
48 unique CDR3  
11 unique J



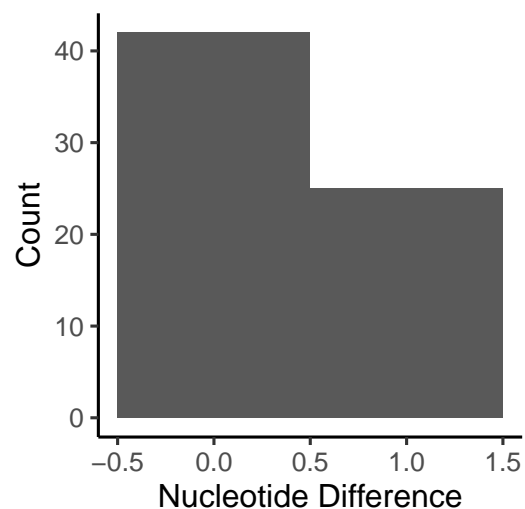
### TRBV6-4\*ap01

1589 sequences assigned  
1577 (99.2%) exact matches, in which:  
1576 unique CDR3  
13 unique J



### TRBV6-9\*ap01

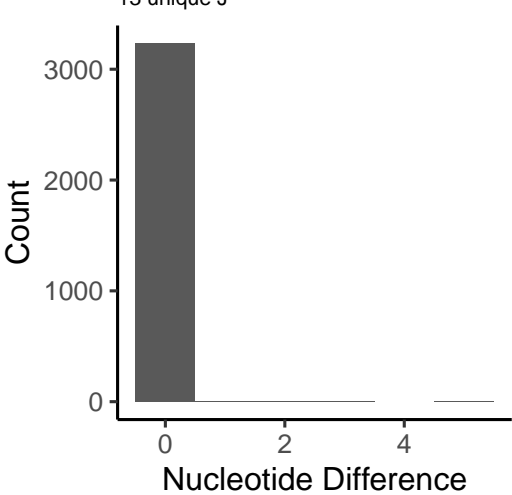
67 sequences assigned  
42 (62.7%) exact matches, in which:  
42 unique CDR3  
12 unique J





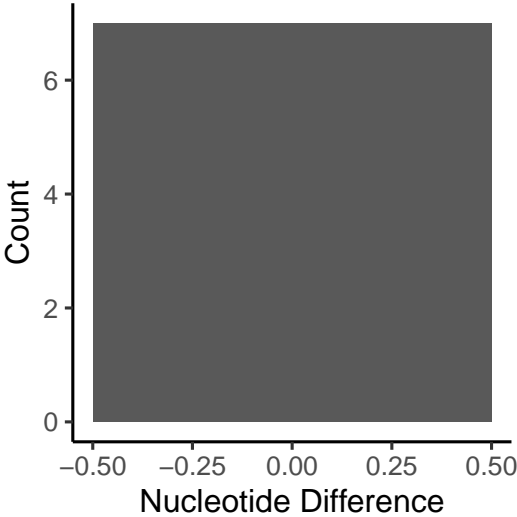
TRBV6-23\*ap01

3240 sequences assigned  
3233 (99.8%) exact matches, in which:  
3223 unique CDR3  
13 unique J



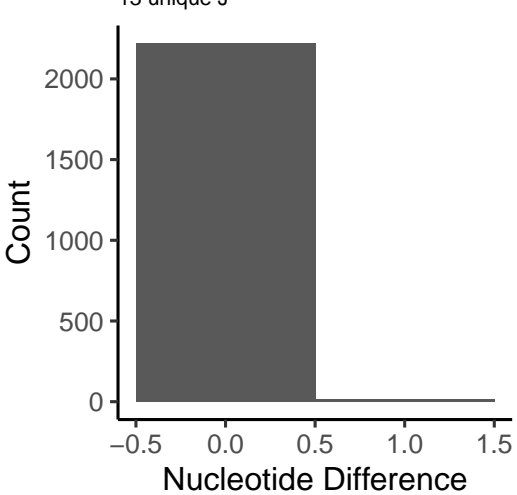
TRBV7-1\*ap01

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



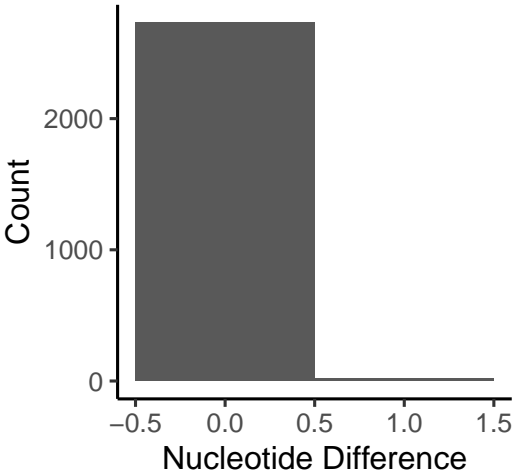
TRBV7-3\*ap01

2234 sequences assigned  
2220 (99.4%) exact matches, in which:  
2204 unique CDR3  
13 unique J



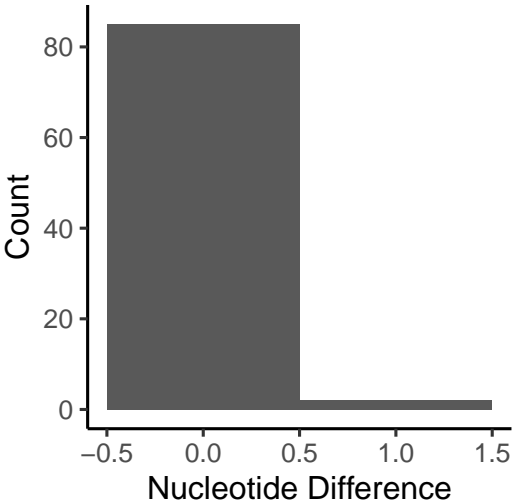
TRBV6-56\*ap01

2750 sequences assigned  
2731 (99.3%) exact matches, in which:  
2720 unique CDR3  
13 unique J



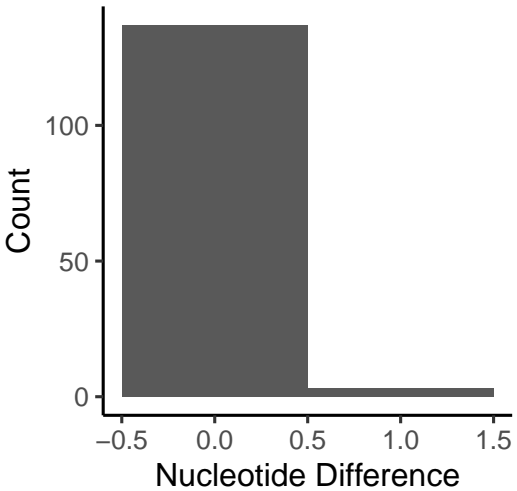
TRBV7-1\*ap01\_G291C\_T

87 sequences assigned  
85 (97.7%) exact matches, in which:  
85 unique CDR3  
13 unique J



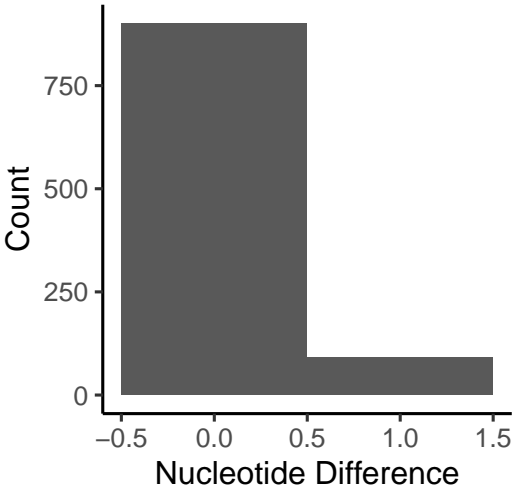
TRBV7-4\*ap01

140 sequences assigned  
137 (97.9%) exact matches, in which:  
137 unique CDR3  
13 unique J



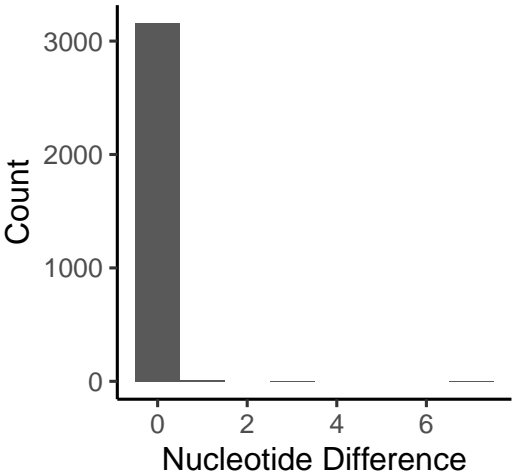
TRBV6-56\*ap02

993 sequences assigned  
901 (90.7%) exact matches, in which:  
901 unique CDR3  
13 unique J



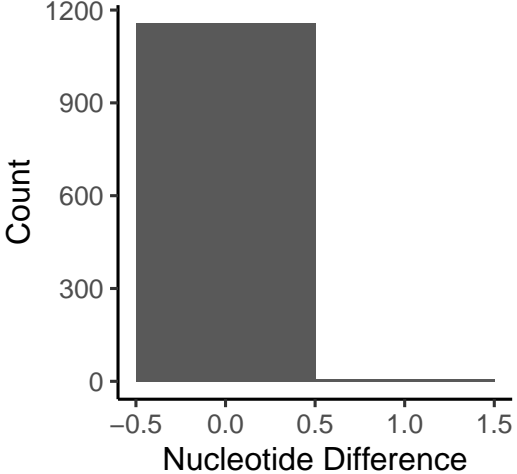
TRBV7-2\*ap01

3172 sequences assigned  
3159 (99.6%) exact matches, in which:  
3151 unique CDR3  
13 unique J



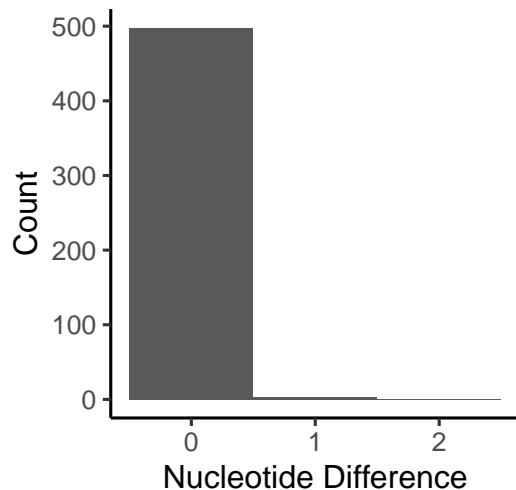
TRBV7-6\*ap01

1165 sequences assigned  
1158 (99.4%) exact matches, in which:  
1157 unique CDR3  
13 unique J



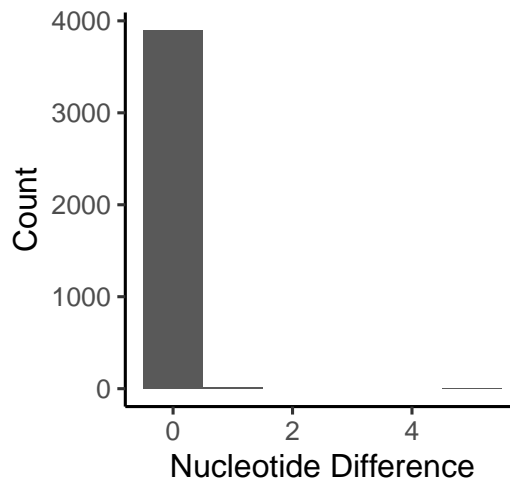
### TRBV7-7\*ap01\_C315T

502 sequences assigned  
498 (99.2%) exact matches, in which:  
497 unique CDR3  
13 unique J



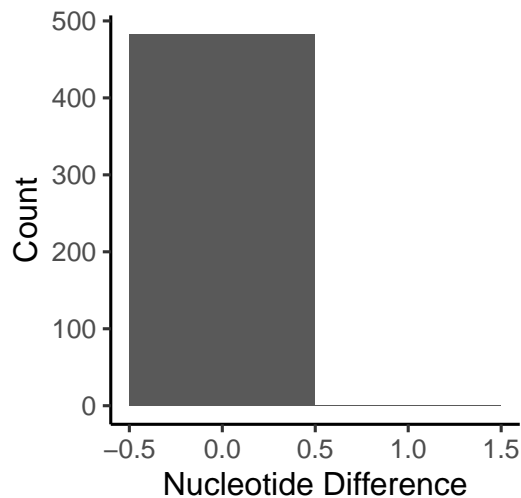
### TRBV7-9\*ap01

3915 sequences assigned  
3896 (99.5%) exact matches, in which:  
3888 unique CDR3  
13 unique J



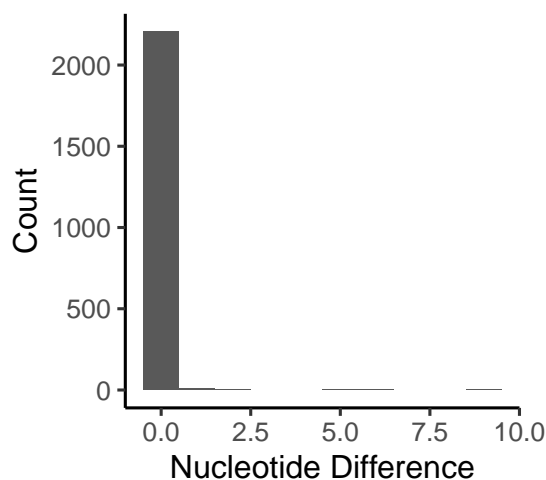
### TRBV7-8\*ap01

484 sequences assigned  
483 (99.8%) exact matches, in which:  
482 unique CDR3  
13 unique J



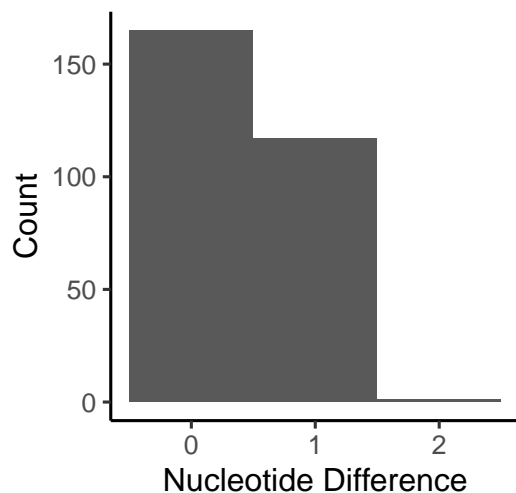
### TRBV29-1\*ap01

2220 sequences assigned  
2205 (99.3%) exact matches, in which:  
2195 unique CDR3  
13 unique J

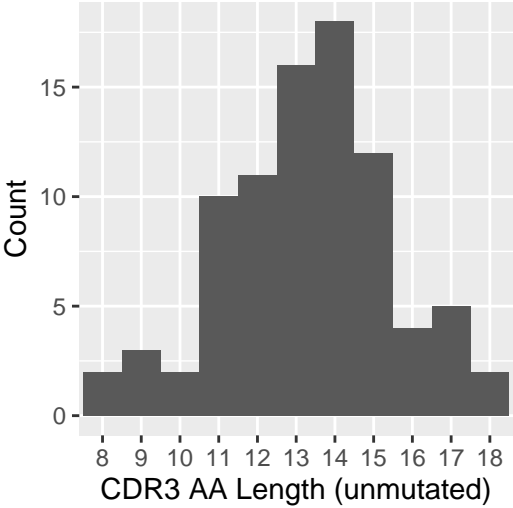


### TRBV7-8\*ap03

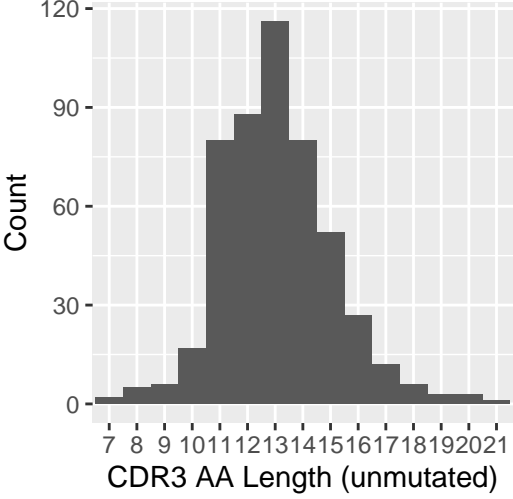
283 sequences assigned  
165 (58.3%) exact matches, in which:  
165 unique CDR3  
13 unique J

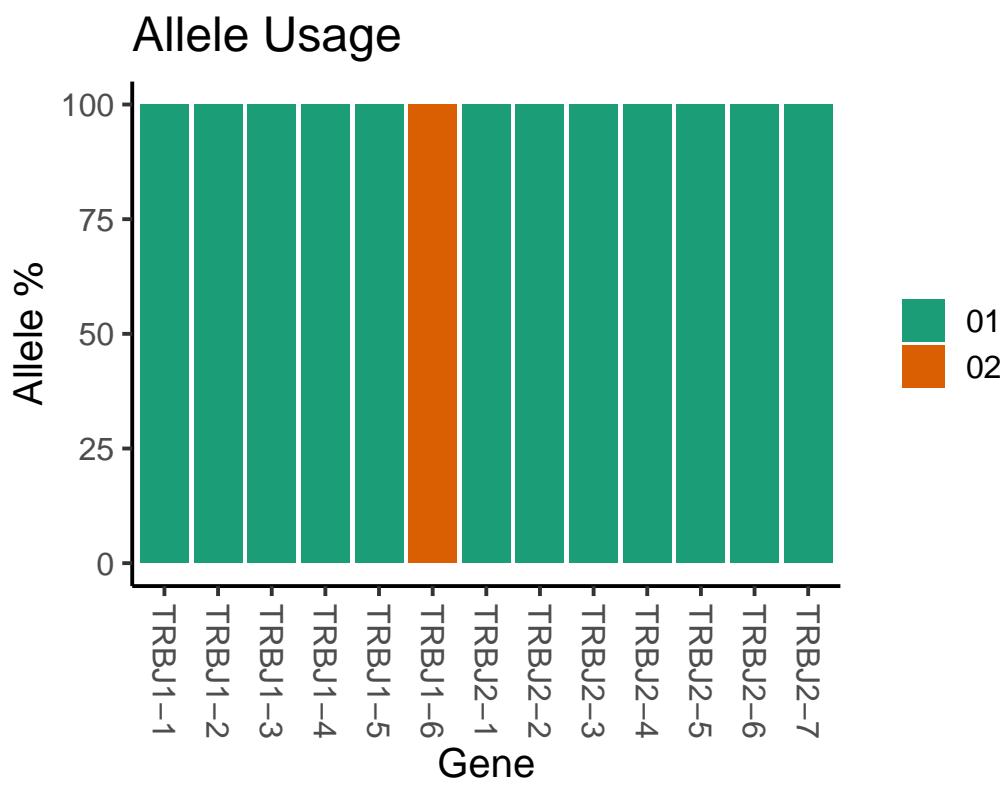


TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]