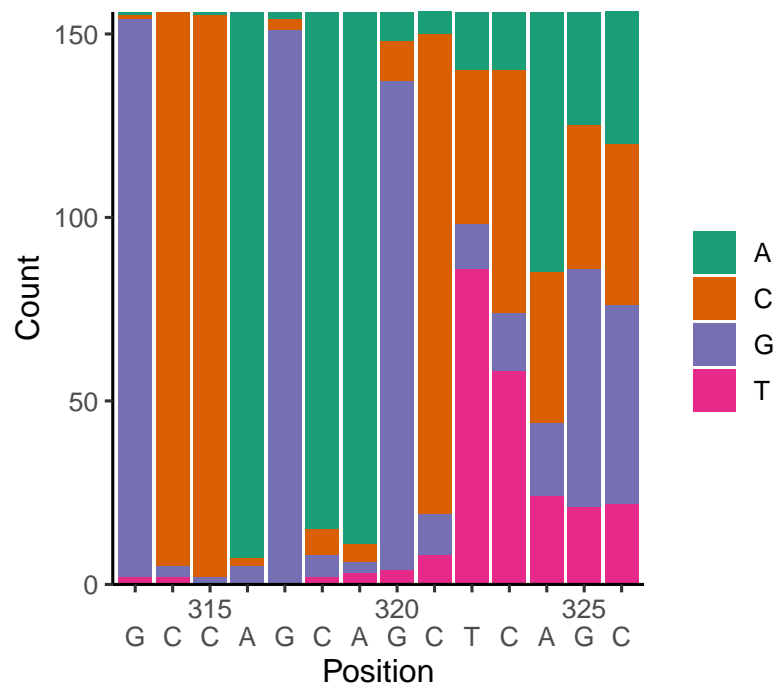
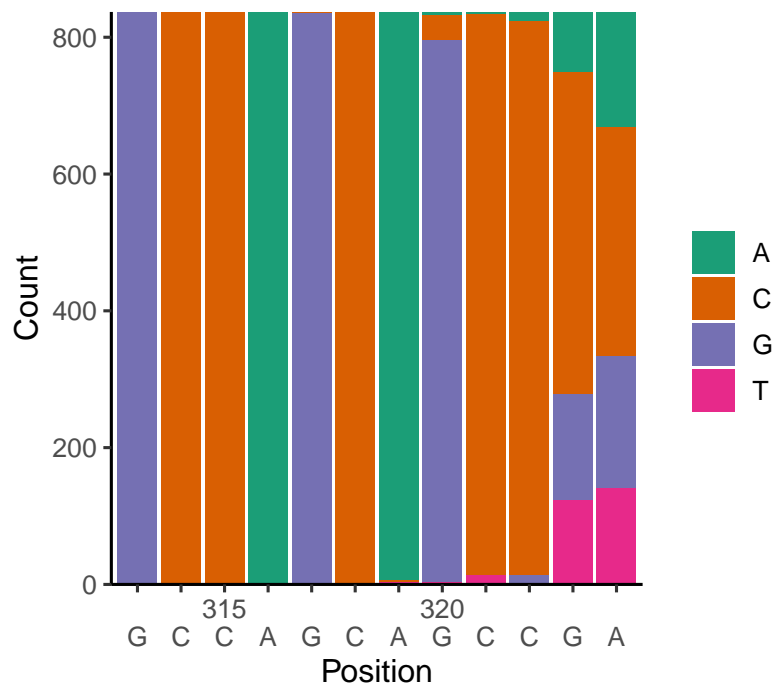


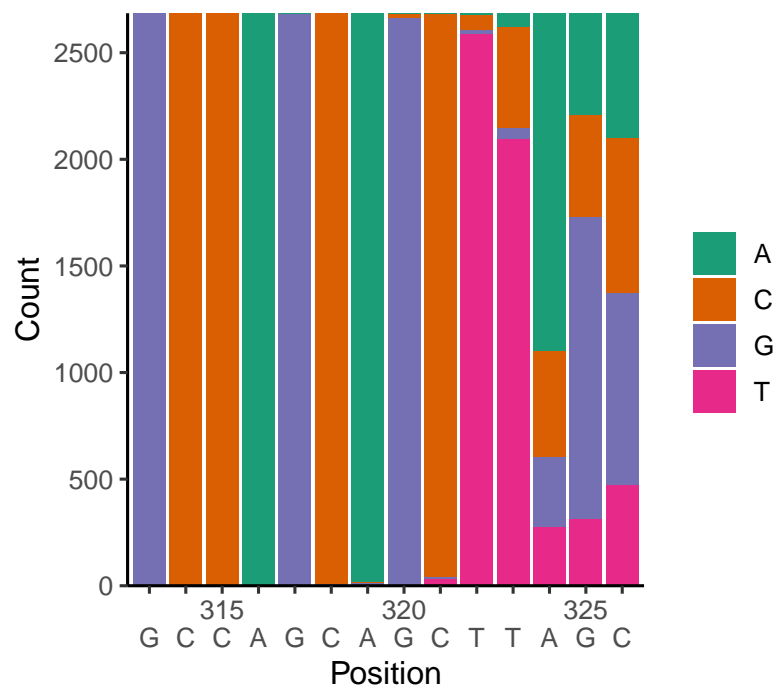
Gene TRBV7-1\*ap01\_G291C\_T296C



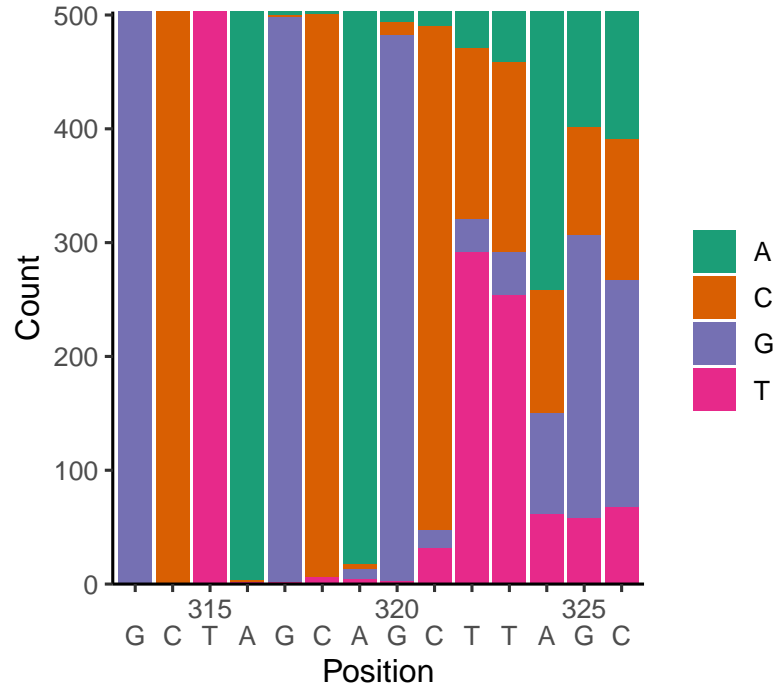
Gene TRBV7-8\*ap03\_C297A



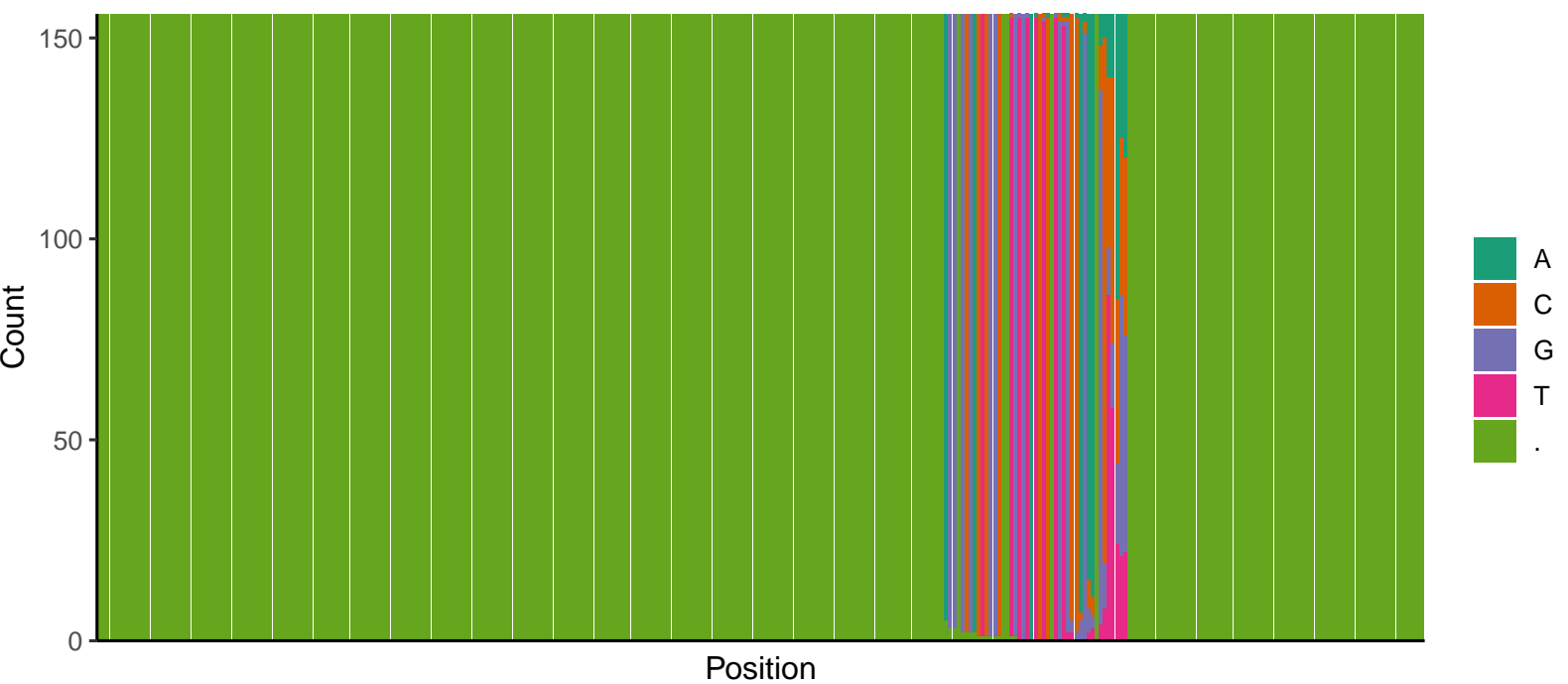
Gene TRBV7-2\*ap01\_G297A



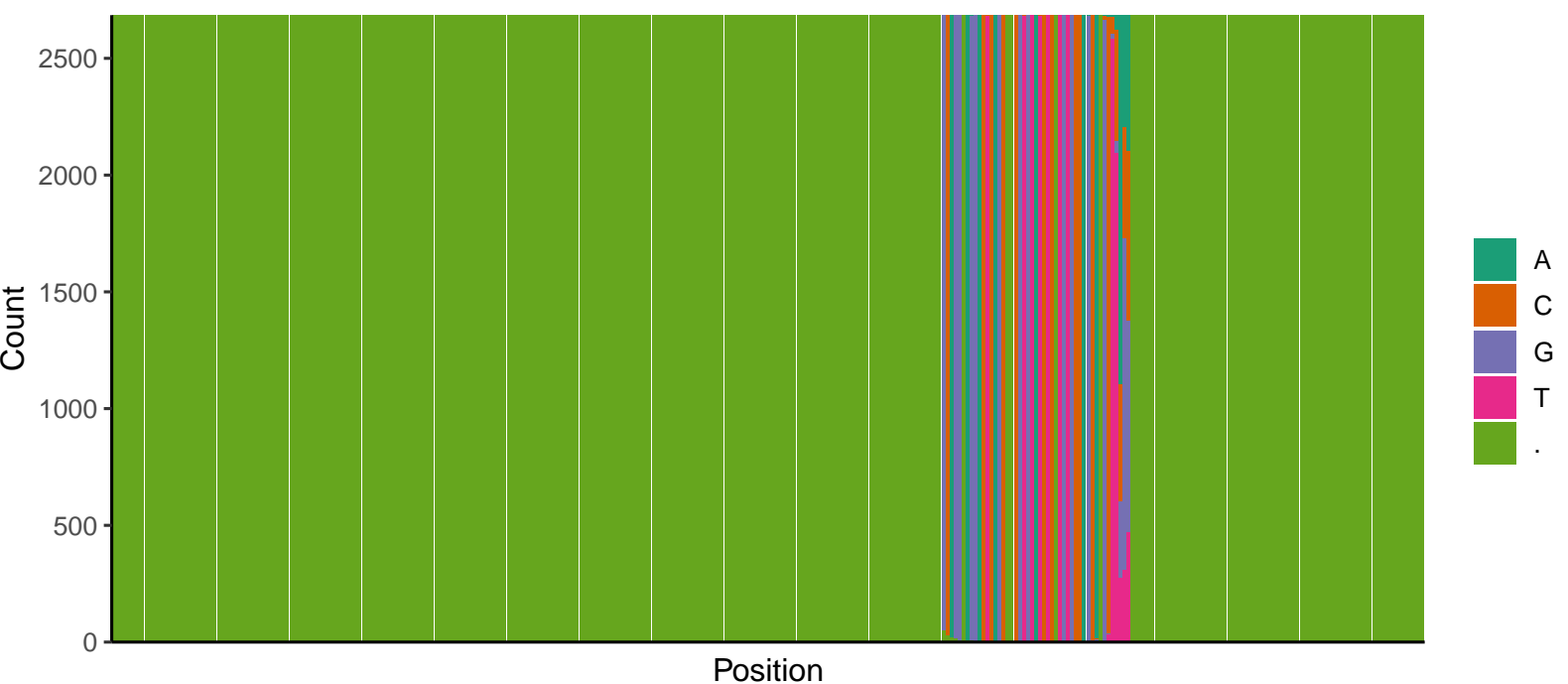
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-2\*ap01\_G297A



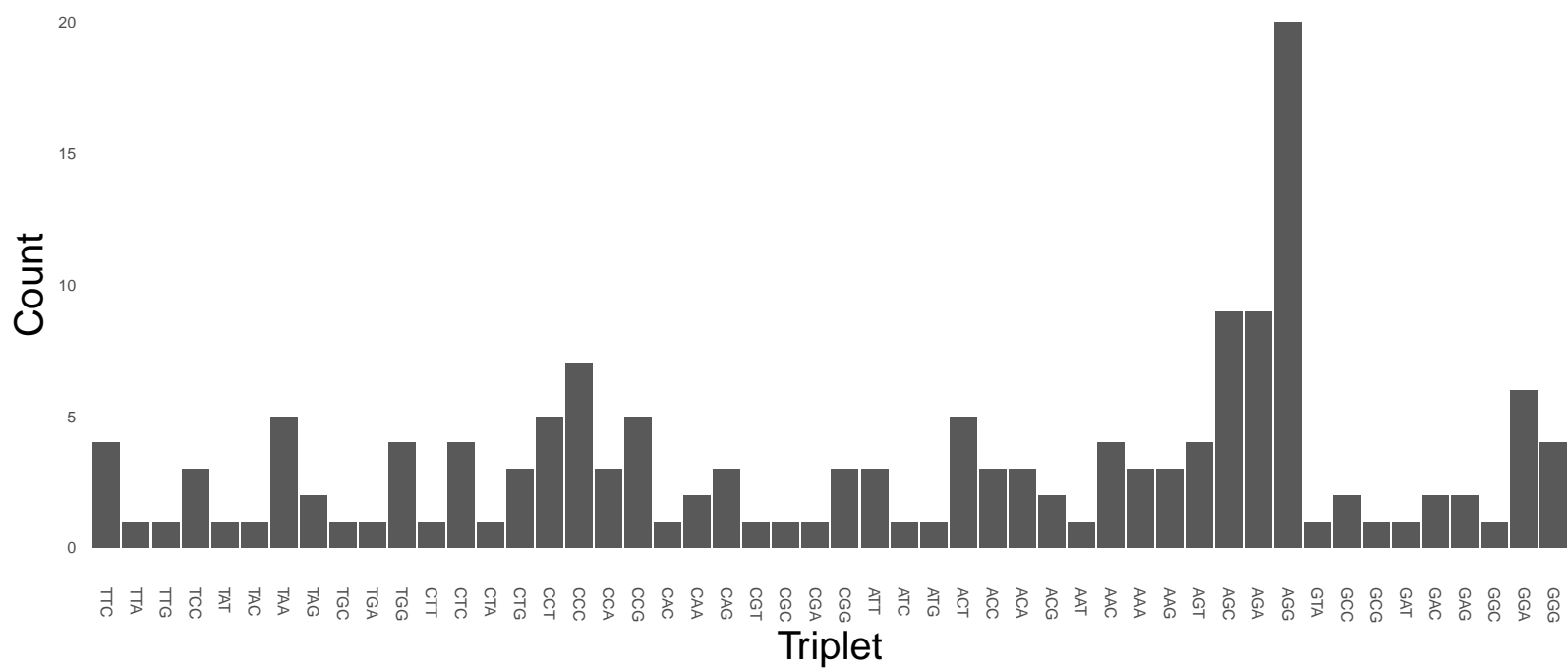
Gene TRBV7-7\*ap01\_C315T



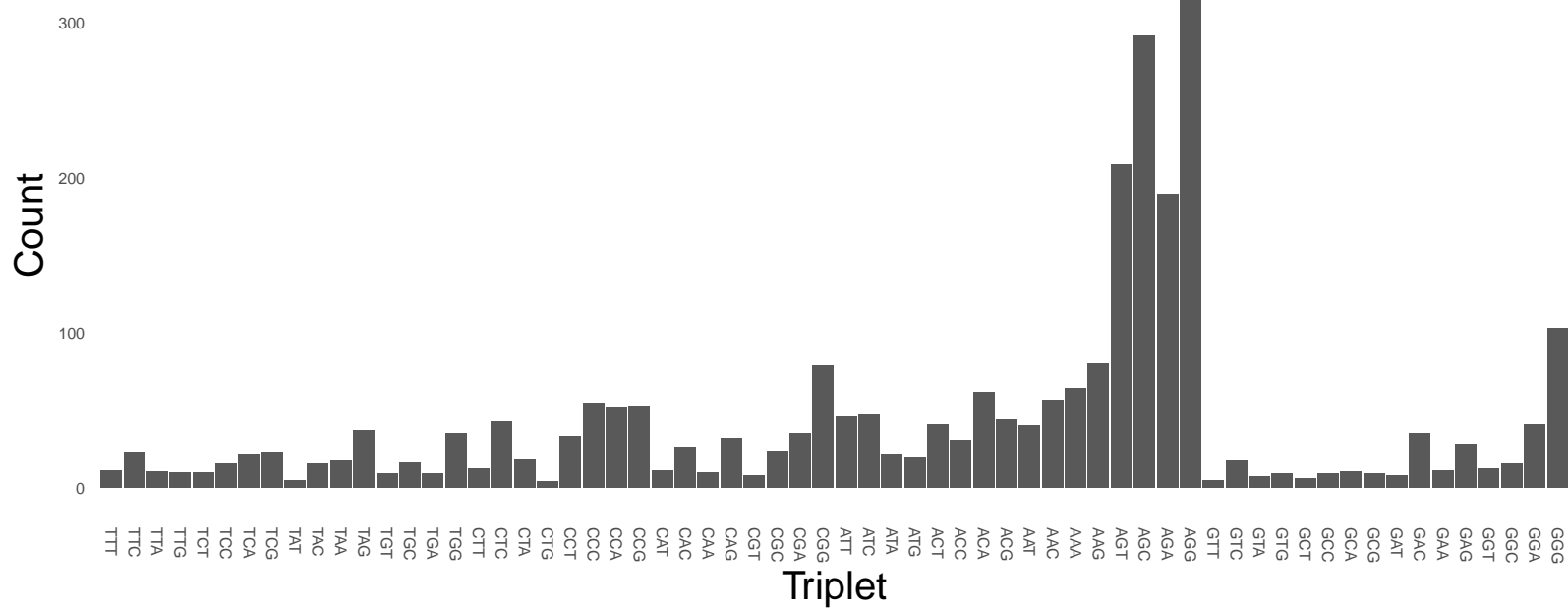
Gene TRBV7-8\*ap03\_C297A



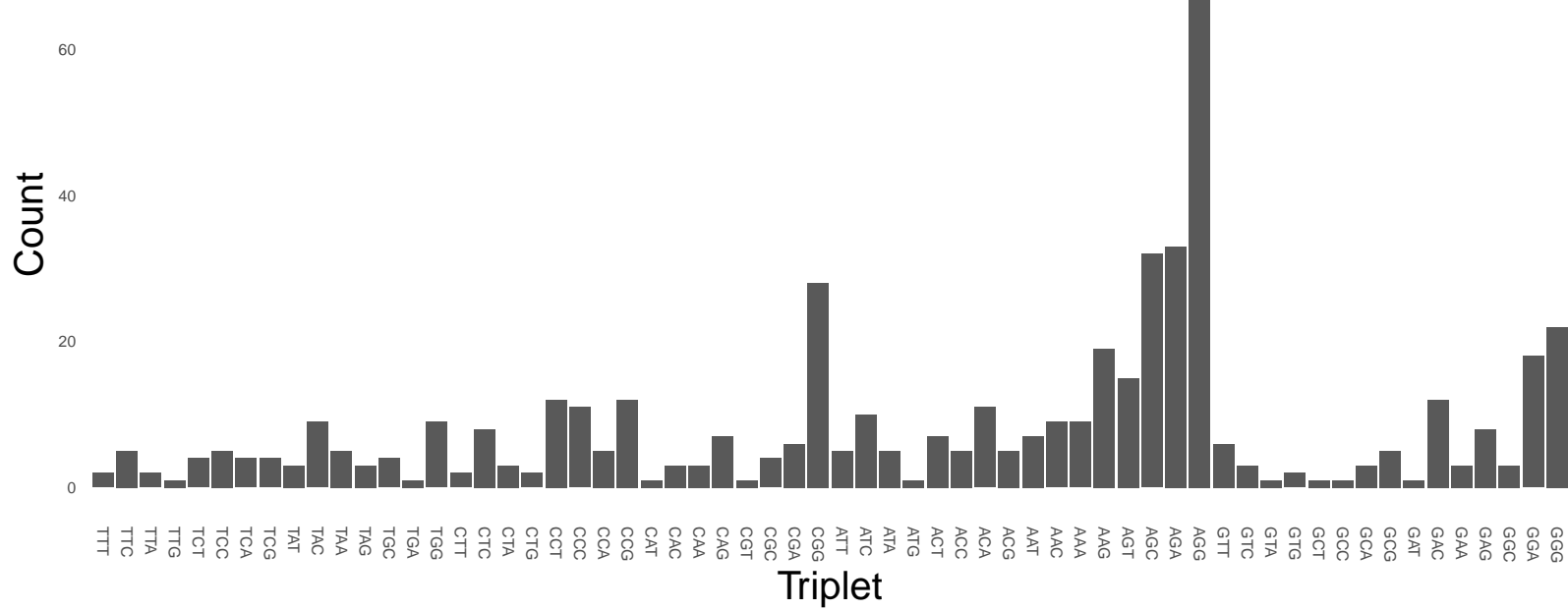
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



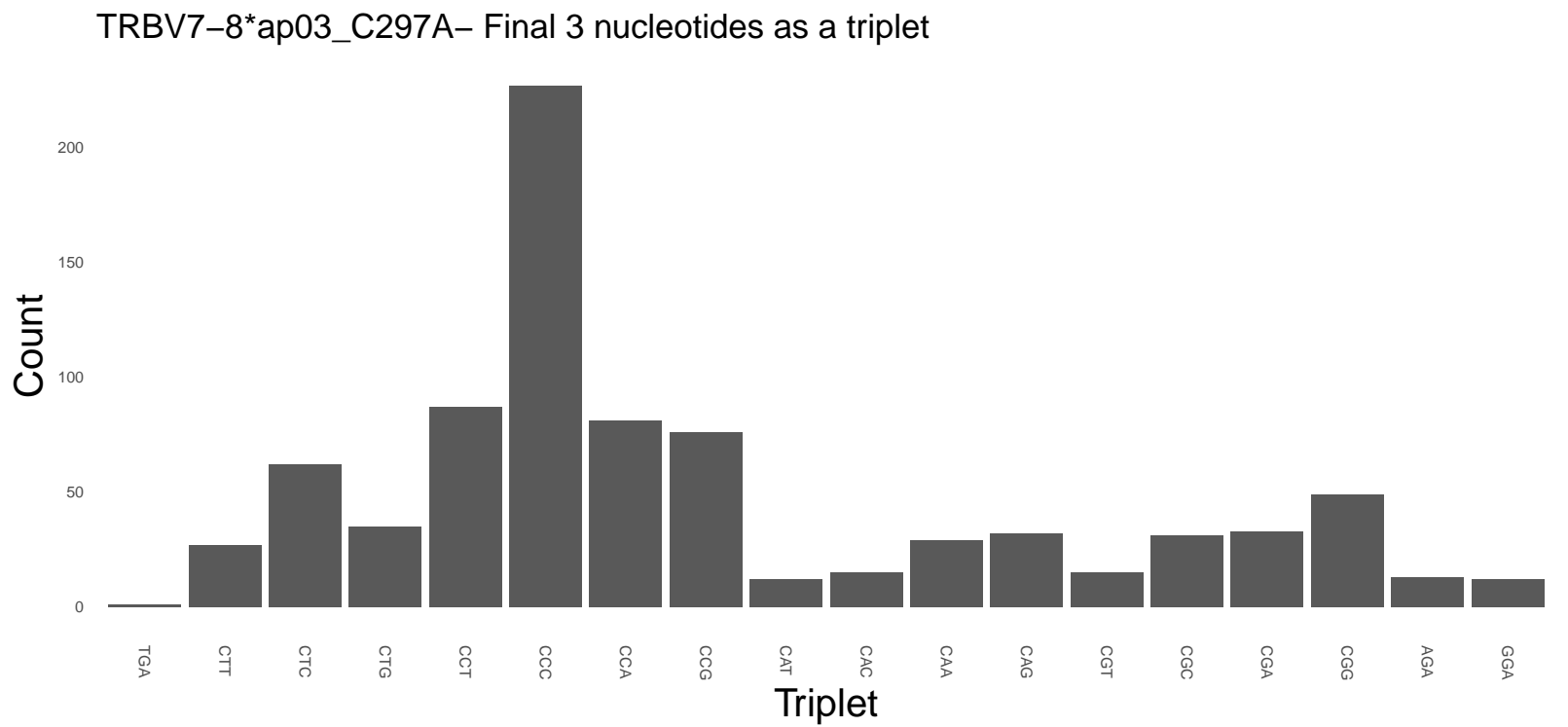
TRBV7-2\*ap01\_G297A- Final 3 nucleotides as a triplet



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

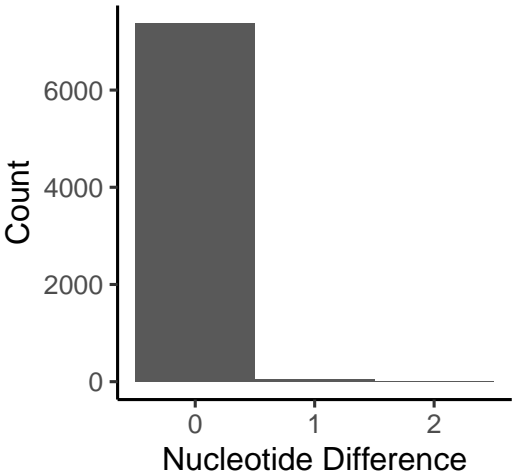


TRBV7-8\*ap03\_C297A- Final 3 nucleotides as a triplet



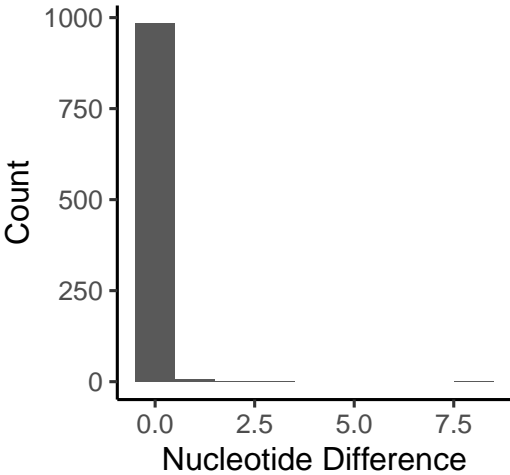
TRBV20-1\*ap01

7429 sequences assigned  
7372 (99.2%) exact matches, in which:  
7305 unique CDR3  
13 unique J



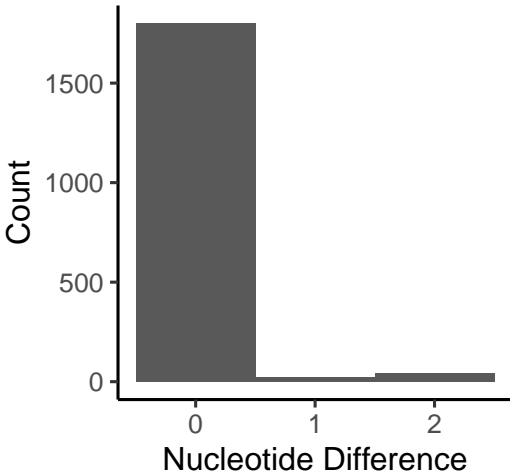
TRBV10-2\*ap01

994 sequences assigned  
984 (99%) exact matches, in which:  
967 unique CDR3  
13 unique J



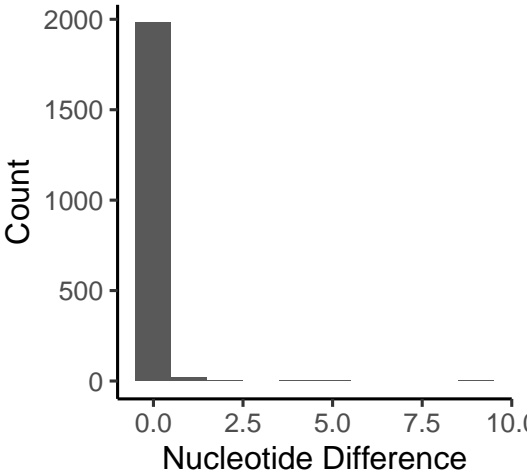
TRBV13\*ap01

1866 sequences assigned  
1800 (96.5%) exact matches, in which:  
1758 unique CDR3  
13 unique J



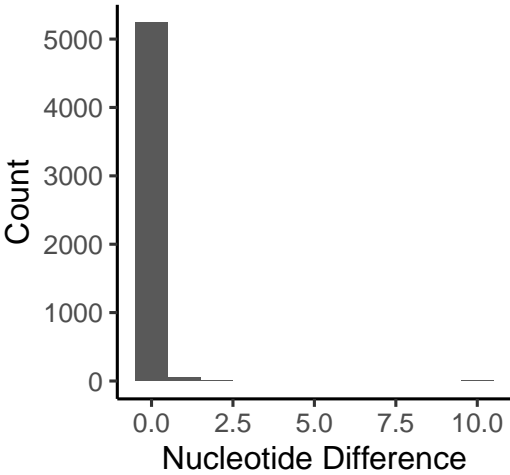
TRBV10-1\*ap01

2008 sequences assigned  
1981 (98.7%) exact matches, in which:  
1949 unique CDR3  
13 unique J



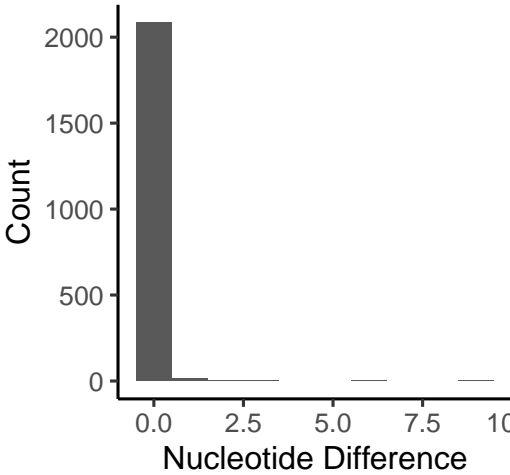
TRBV10-3\*ap01

5292 sequences assigned  
5239 (99%) exact matches, in which:  
5164 unique CDR3  
13 unique J



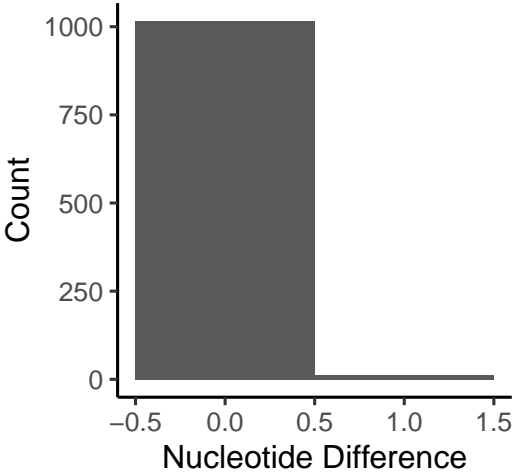
TRBV14\*ap01

2101 sequences assigned  
2084 (99.2%) exact matches, in which:  
2069 unique CDR3  
13 unique J



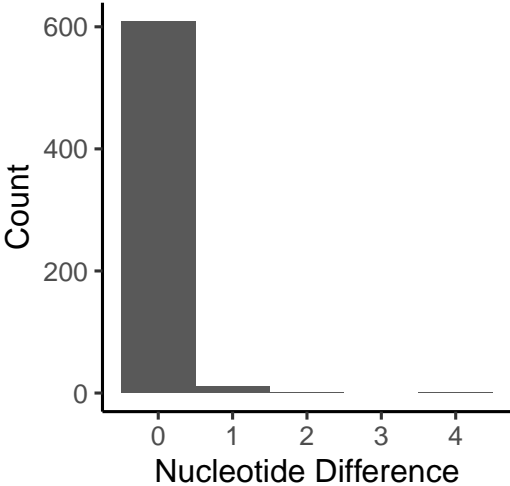
TRBV20-1\*ap02

1028 sequences assigned  
1016 (98.8%) exact matches, in which:  
1009 unique CDR3  
13 unique J



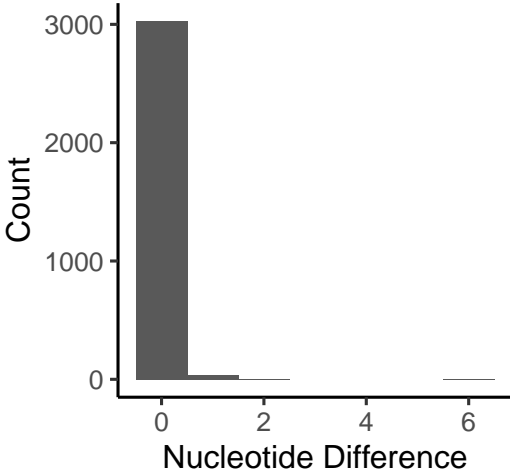
TRBV1\*ap01

621 sequences assigned  
609 (98.1%) exact matches, in which:  
604 unique CDR3  
13 unique J



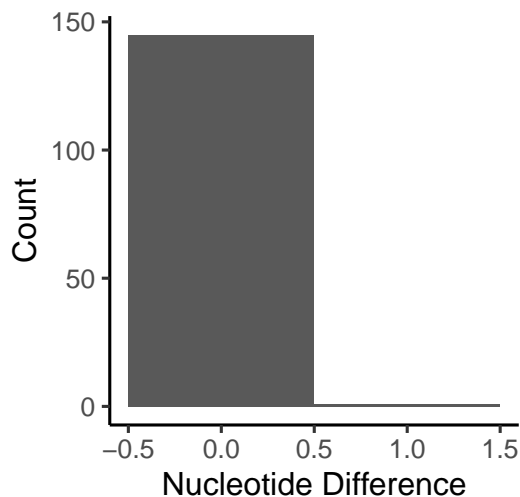
TRBV15\*ap02

3065 sequences assigned  
3028 (98.8%) exact matches, in which:  
2975 unique CDR3  
13 unique J



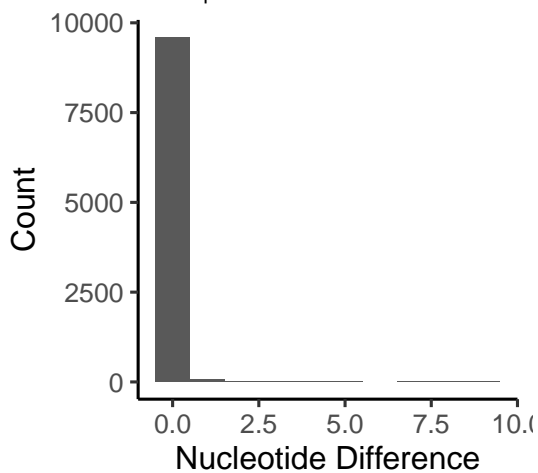
### TRBV16\*ap01

146 sequences assigned  
145 (99.3%) exact matches, in which:  
144 unique CDR3  
13 unique J



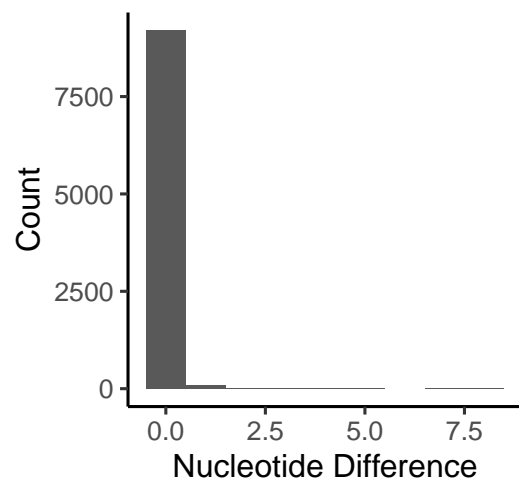
### TRBV19\*ap01

9687 sequences assigned  
9601 (99.1%) exact matches, in which:  
9540 unique CDR3  
13 unique J



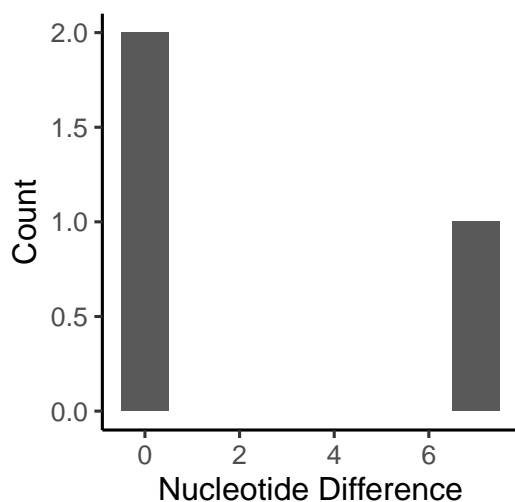
### TRBV27\*ap01

9315 sequences assigned  
9199 (98.8%) exact matches, in which:  
9046 unique CDR3  
13 unique J



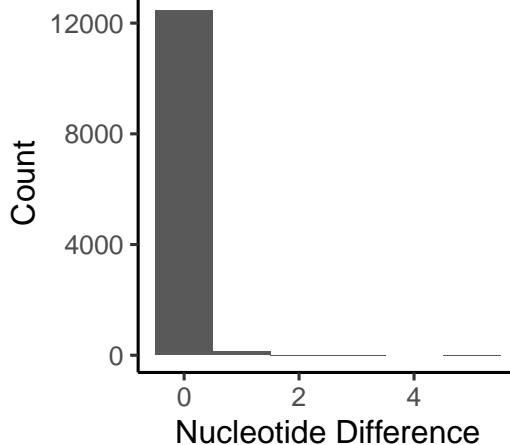
### TRBV17\*ap01

3 sequences assigned  
2 (66.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



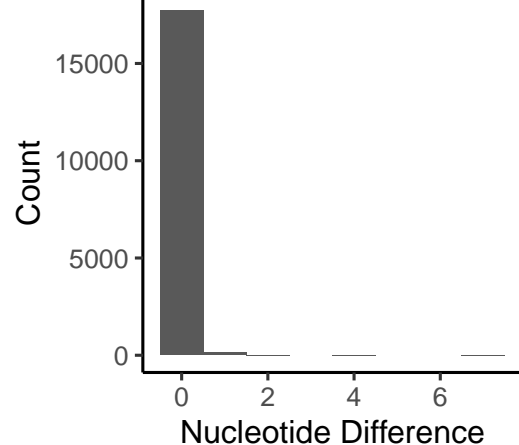
### TRBV2\*ap01

12607 sequences assigned  
12457 (98.8%) exact matches, in which:  
12228 unique CDR3  
13 unique J



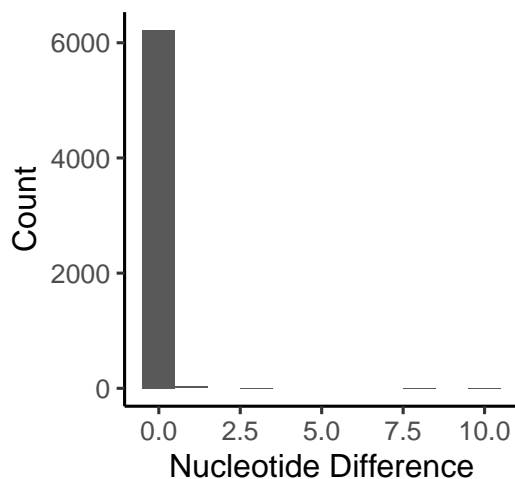
### TRBV28\*ap01

17862 sequences assigned  
17724 (99.2%) exact matches, in which:  
17536 unique CDR3  
13 unique J



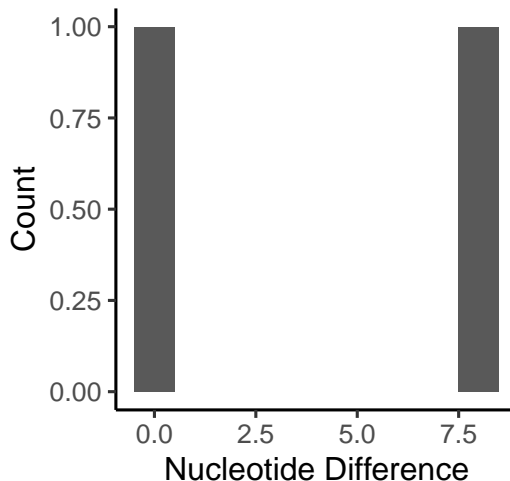
### TRBV18\*ap01

6253 sequences assigned  
6221 (99.5%) exact matches, in which:  
6180 unique CDR3  
13 unique J



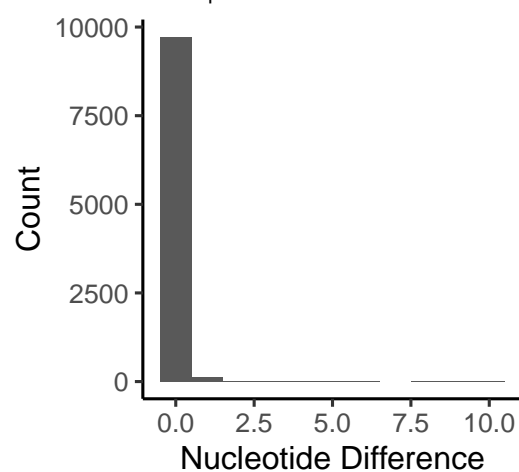
### TRBV26\*ap01

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



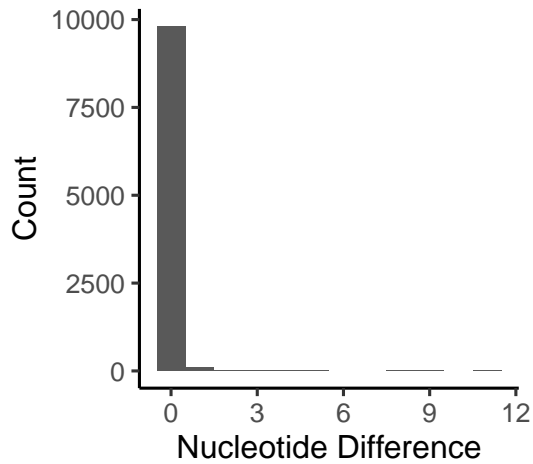
### TRBV30\*ap01

9889 sequences assigned  
9725 (98.3%) exact matches, in which:  
9596 unique CDR3  
13 unique J



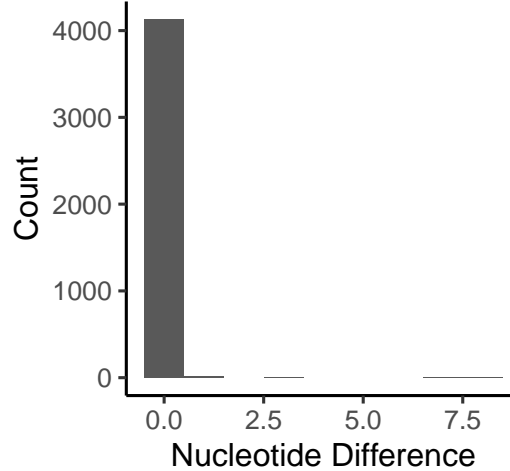
### TRBV9\*ap01

9914 sequences assigned  
9813 (99%) exact matches, in which:  
9706 unique CDR3  
13 unique J



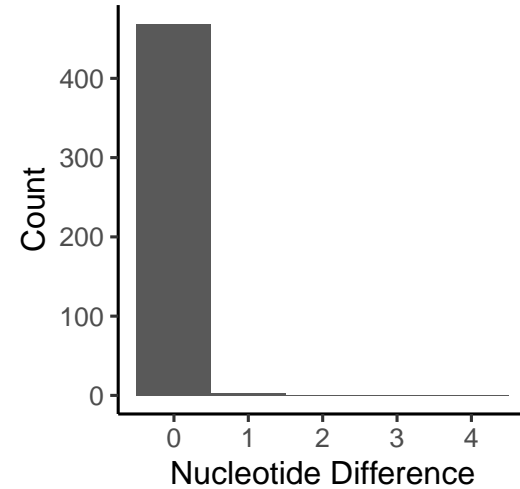
### TRBV11-2\*ap01

4154 sequences assigned  
4129 (99.4%) exact matches, in which:  
4090 unique CDR3  
13 unique J



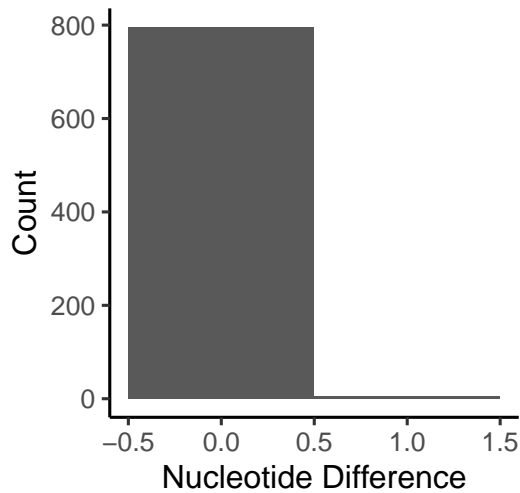
### TRBV12-2\*ap01

475 sequences assigned  
469 (98.7%) exact matches, in which:  
462 unique CDR3  
13 unique J



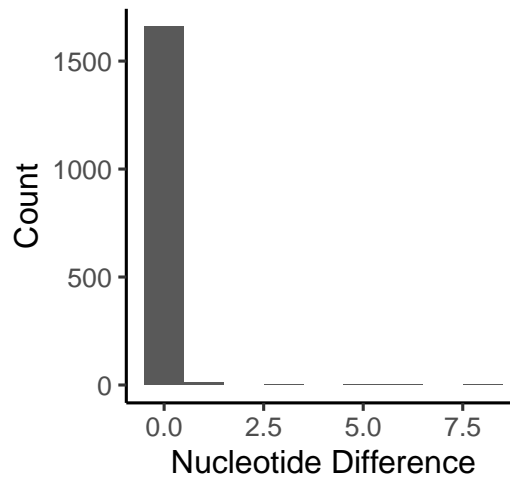
### TRBV11-1\*ap01

801 sequences assigned  
796 (99.4%) exact matches, in which:  
792 unique CDR3  
13 unique J



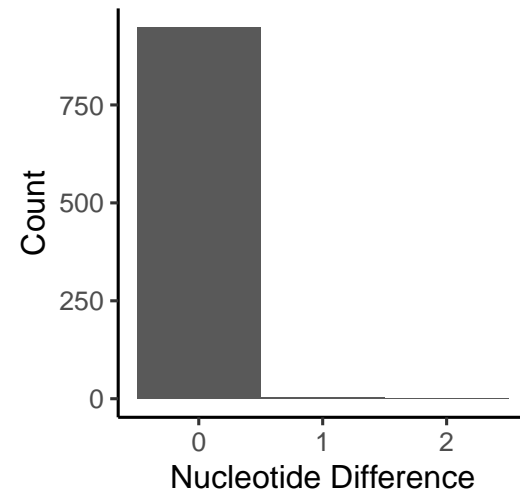
### TRBV11-3\*ap01

1676 sequences assigned  
1659 (99%) exact matches, in which:  
1645 unique CDR3  
13 unique J



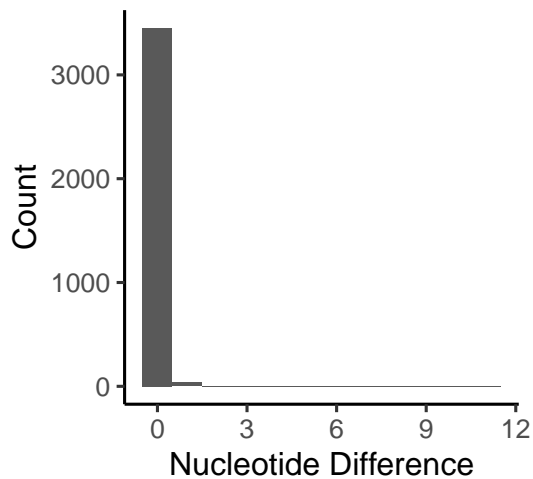
### TRBV12-5\*ap01

956 sequences assigned  
949 (99.3%) exact matches, in which:  
935 unique CDR3  
13 unique J



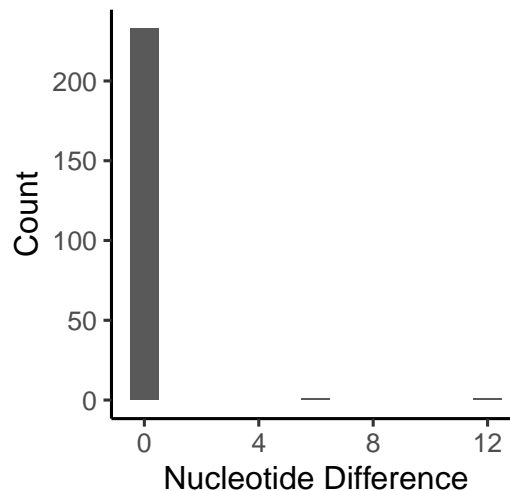
### TRBV21-1\*ap01

3520 sequences assigned  
3451 (98%) exact matches, in which:  
3417 unique CDR3  
13 unique J



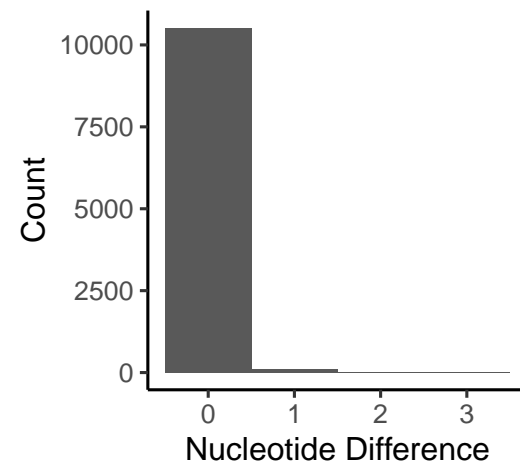
### TRBV12-1\*ap01

235 sequences assigned  
233 (99.1%) exact matches, in which:  
231 unique CDR3  
13 unique J



### TRBV12-34\*ap01

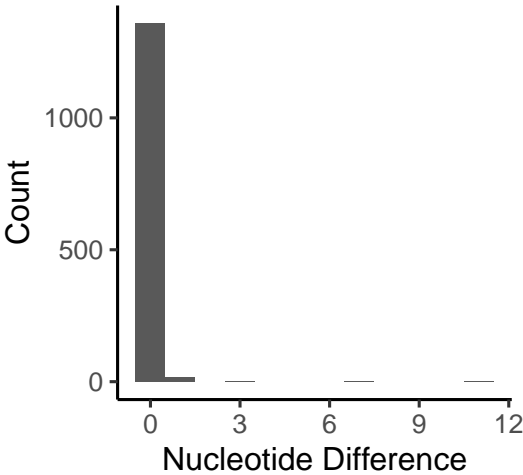
10634 sequences assigned  
10523 (99%) exact matches, in which:  
10367 unique CDR3  
13 unique J





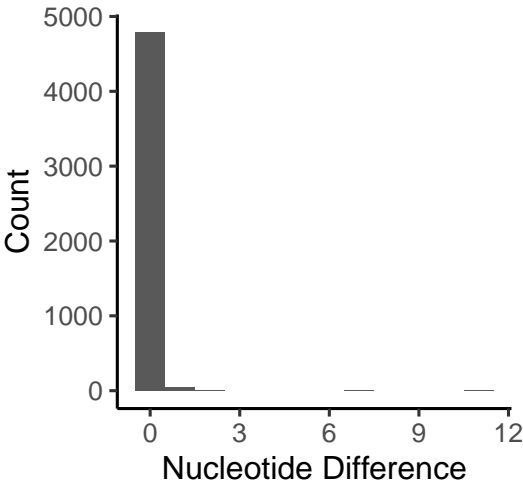
TRBV23-1\*ap01

1378 sequences assigned  
1358 (98.5%) exact matches, in which:  
1346 unique CDR3  
13 unique J



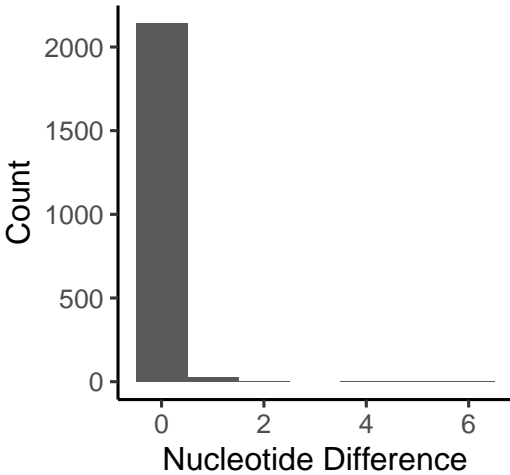
TRBV4-1\*ap01

4836 sequences assigned  
4787 (99%) exact matches, in which:  
4724 unique CDR3  
13 unique J



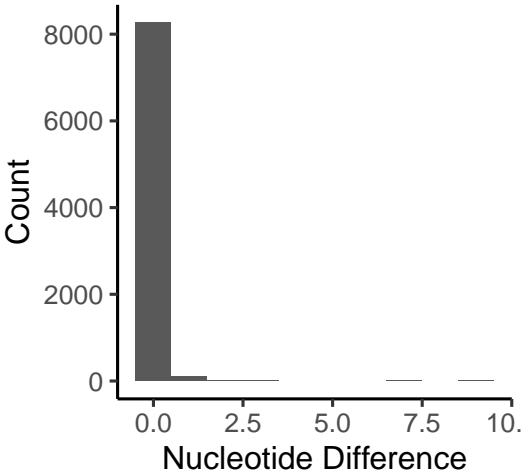
TRBV25-1\*ap01

2175 sequences assigned  
2141 (98.4%) exact matches, in which:  
2110 unique CDR3  
13 unique J



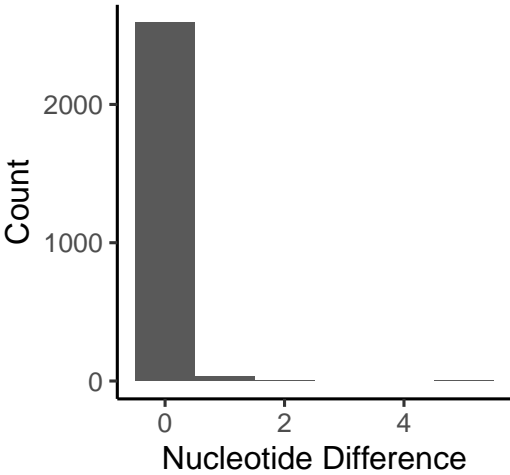
TRBV3-12\*ap01

8362 sequences assigned  
8264 (98.8%) exact matches, in which:  
8131 unique CDR3  
13 unique J



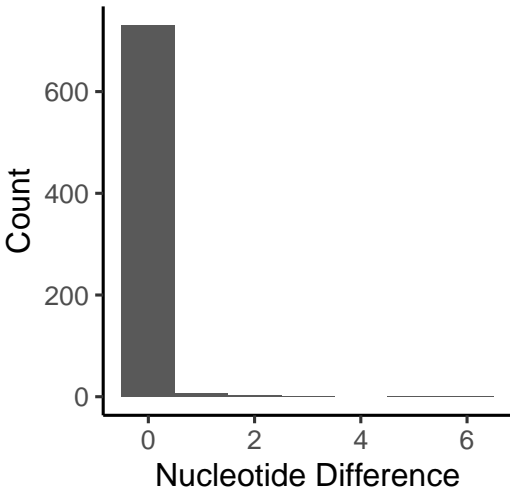
TRBV4-2\*ap01

2627 sequences assigned  
2591 (98.6%) exact matches, in which:  
2532 unique CDR3  
13 unique J



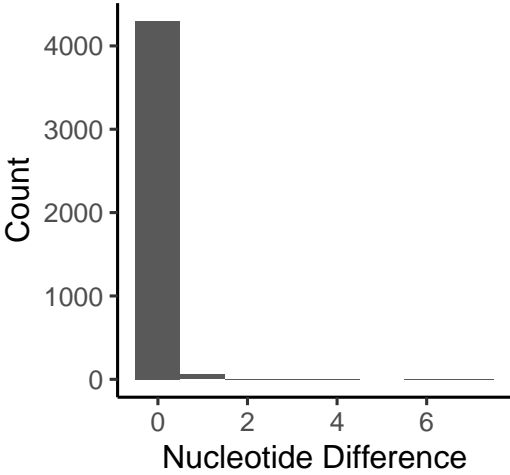
TRBV5-3\*ap01

742 sequences assigned  
731 (98.5%) exact matches, in which:  
724 unique CDR3  
13 unique J



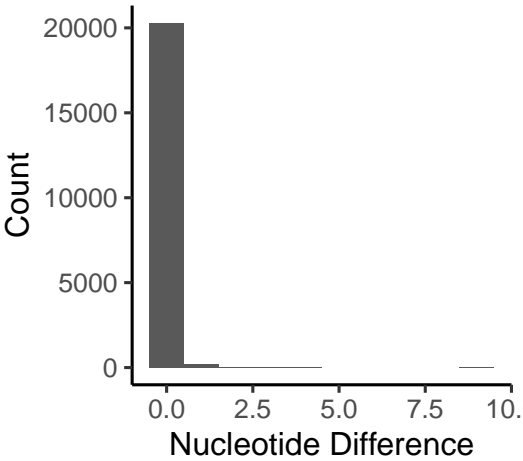
TRBV24-1\*ap01

4363 sequences assigned  
4298 (98.5%) exact matches, in which:  
4234 unique CDR3  
13 unique J



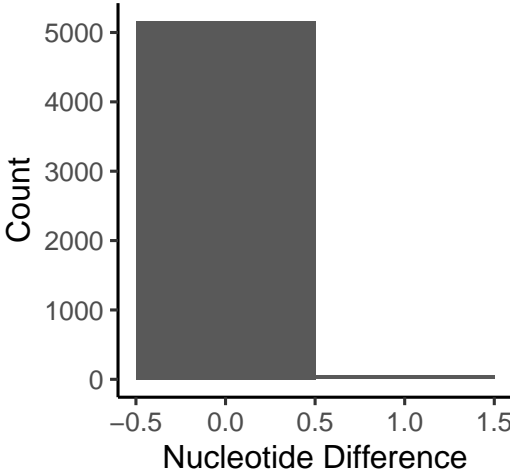
TRBV5-1\*ap01

20518 sequences assigned  
20299 (98.9%) exact matches, in which:  
19921 unique CDR3  
13 unique J



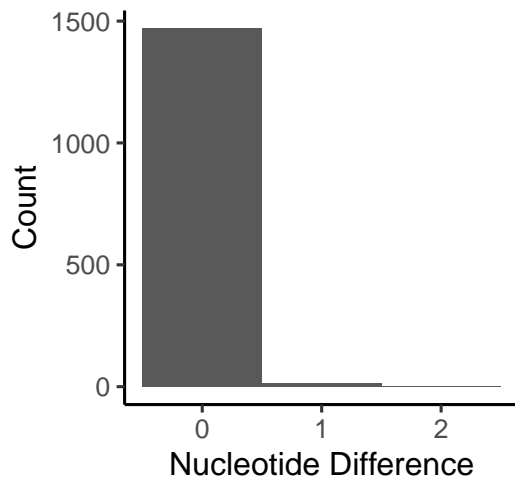
TRBV5-4\*ap01

5222 sequences assigned  
5165 (98.9%) exact matches, in which:  
5081 unique CDR3  
13 unique J



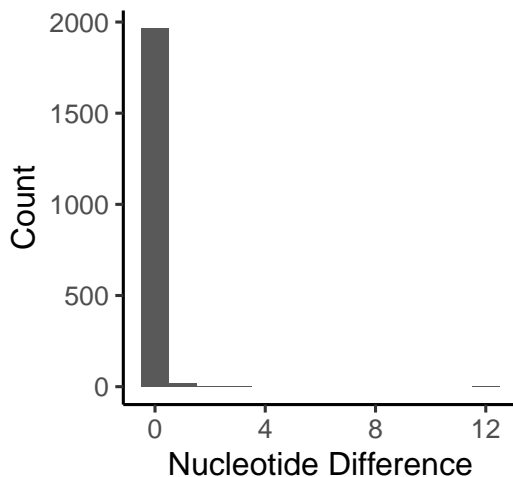
### TRBV5-5\*ap01

1486 sequences assigned  
1470 (98.9%) exact matches, in which:  
1466 unique CDR3  
13 unique J



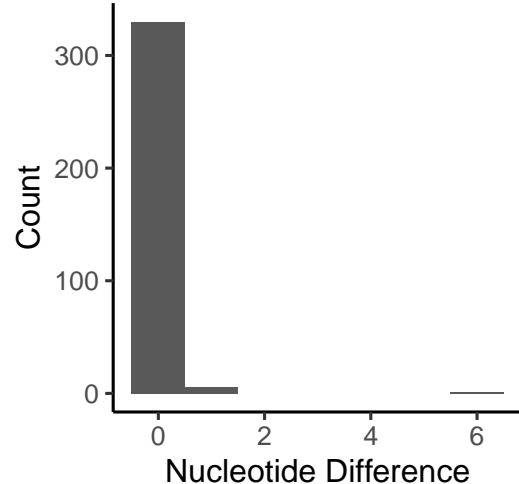
### TRBV5-8\*ap01

1994 sequences assigned  
1965 (98.5%) exact matches, in which:  
1945 unique CDR3  
13 unique J



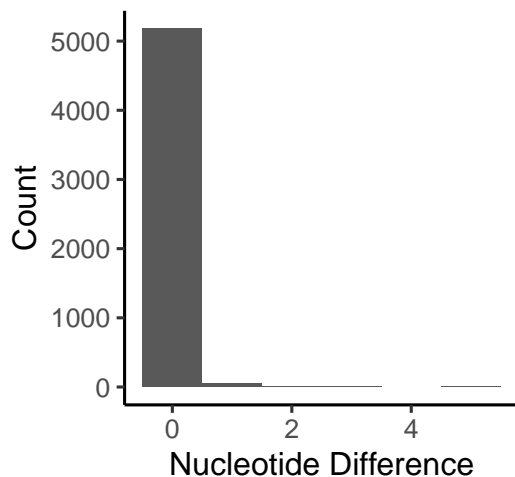
### TRBV6-7\*ap01

337 sequences assigned  
330 (97.9%) exact matches, in which:  
319 unique CDR3  
13 unique J



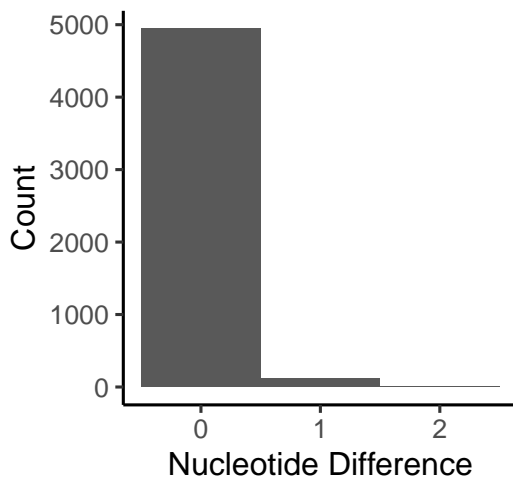
### TRBV5-6\*ap01

5240 sequences assigned  
5179 (98.8%) exact matches, in which:  
5065 unique CDR3  
13 unique J



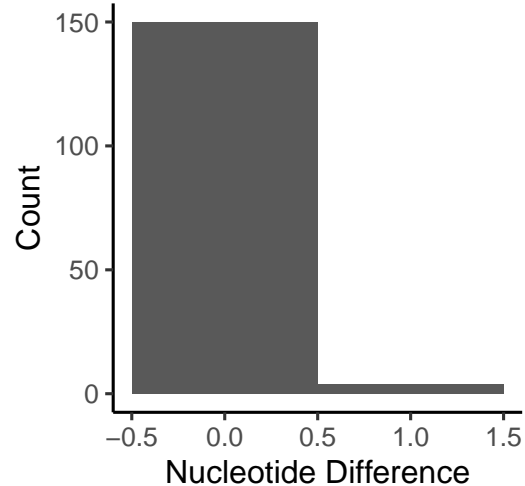
### TRBV6-1\*ap01

5063 sequences assigned  
4944 (97.6%) exact matches, in which:  
4850 unique CDR3  
13 unique J



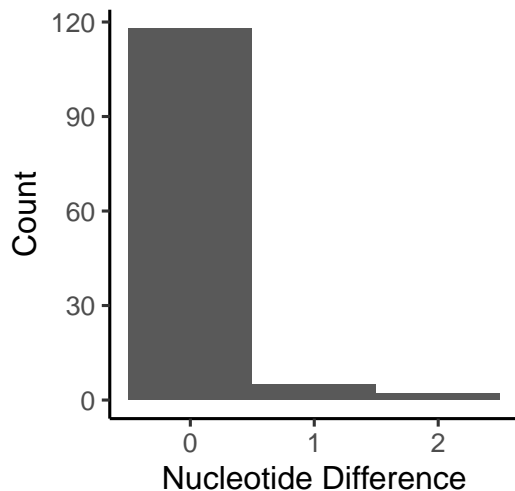
### TRBV6-8\*ap01

154 sequences assigned  
150 (97.4%) exact matches, in which:  
148 unique CDR3  
12 unique J



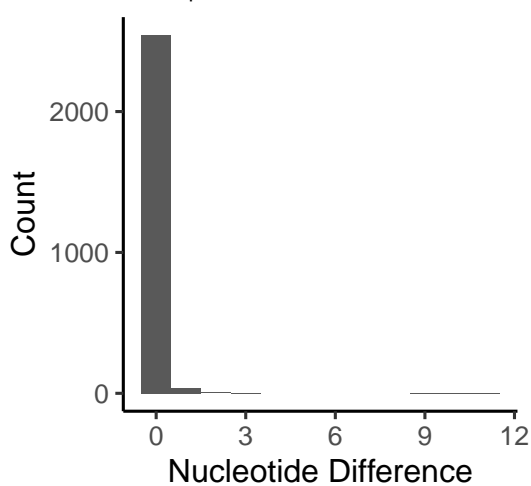
### TRBV5-7\*ap01

125 sequences assigned  
118 (94.4%) exact matches, in which:  
115 unique CDR3  
12 unique J



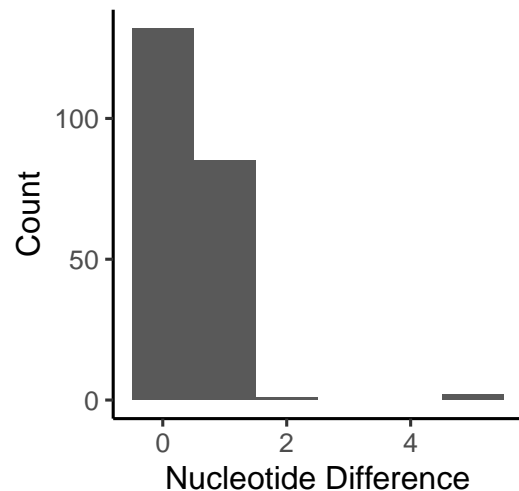
### TRBV6-4\*ap01

2592 sequences assigned  
2543 (98.1%) exact matches, in which:  
2511 unique CDR3  
13 unique J



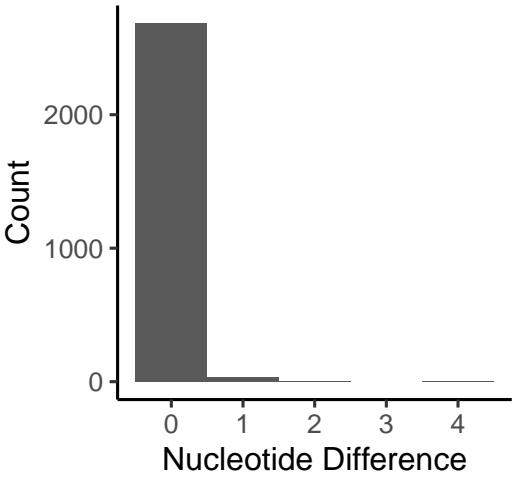
### TRBV6-9\*ap01

220 sequences assigned  
132 (60%) exact matches, in which:  
130 unique CDR3  
13 unique J



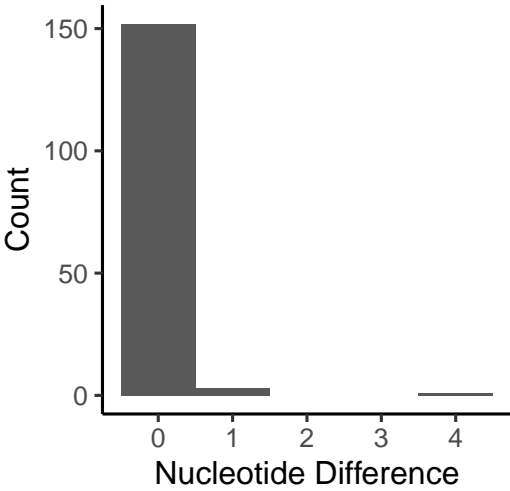
TRBV6-23\*ap01

2719 sequences assigned  
2684 (98.7%) exact matches, in which:  
2625 unique CDR3  
13 unique J



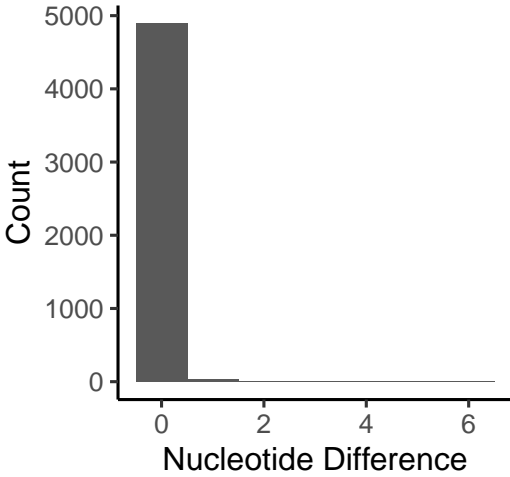
TRBV7-1\*ap01\_G291C\_

156 sequences assigned  
152 (97.4%) exact matches, in which:  
149 unique CDR3  
12 unique J



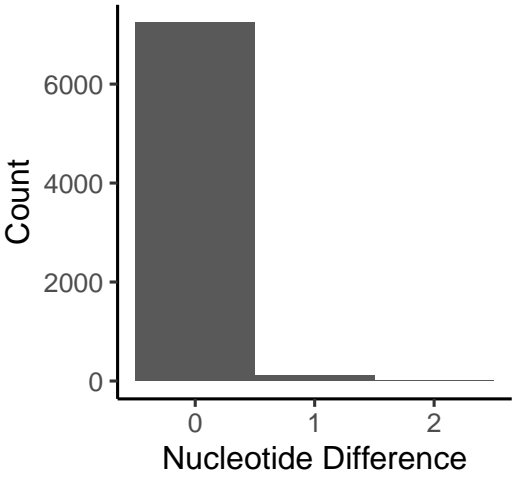
TRBV7-3\*ap01

4940 sequences assigned  
4894 (99.1%) exact matches, in which:  
4852 unique CDR3  
13 unique J



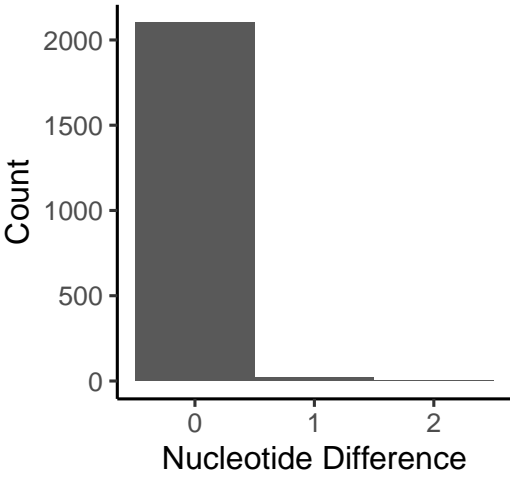
TRBV6-56\*ap01

7355 sequences assigned  
7240 (98.4%) exact matches, in which:  
7103 unique CDR3  
13 unique J



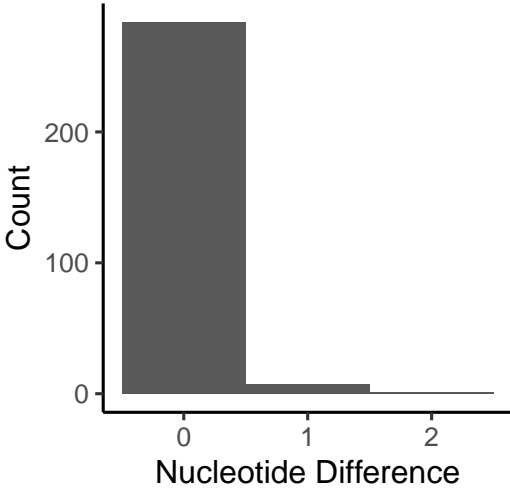
TRBV7-2\*ap01

2120 sequences assigned  
2101 (99.1%) exact matches, in which:  
2079 unique CDR3  
13 unique J



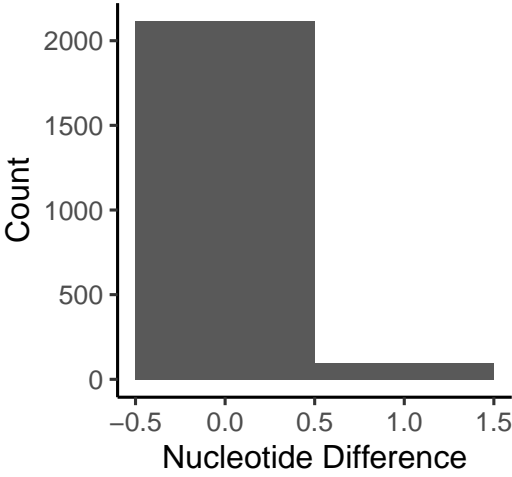
TRBV7-4\*ap01

292 sequences assigned  
284 (97.3%) exact matches, in which:  
280 unique CDR3  
13 unique J



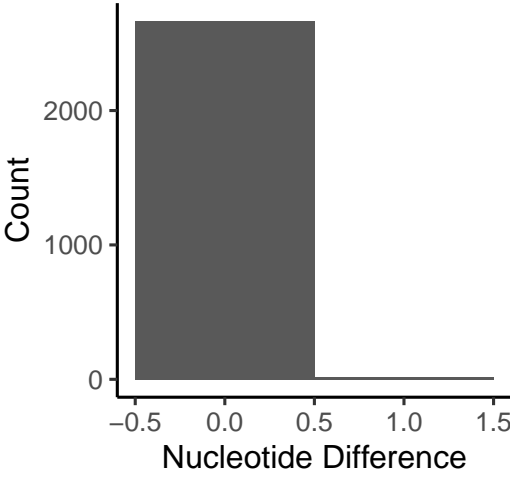
TRBV6-56\*ap02

2212 sequences assigned  
2116 (95.7%) exact matches, in which:  
2076 unique CDR3  
13 unique J



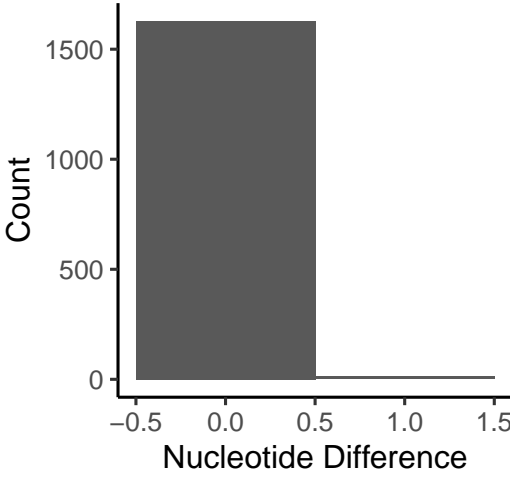
TRBV7-2\*ap01\_G297A

2685 sequences assigned  
2666 (99.3%) exact matches, in which:  
2649 unique CDR3  
13 unique J



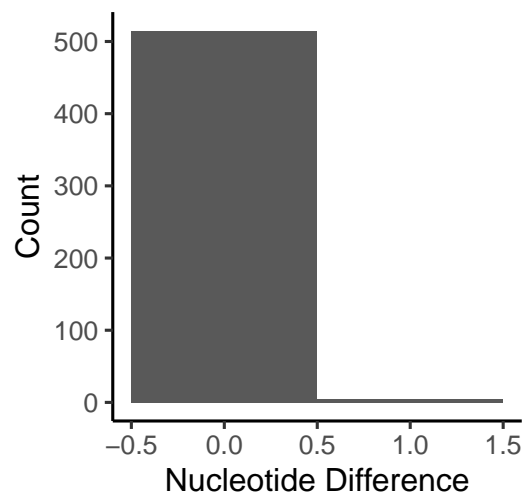
TRBV7-6\*ap01

1641 sequences assigned  
1628 (99.2%) exact matches, in which:  
1606 unique CDR3  
13 unique J



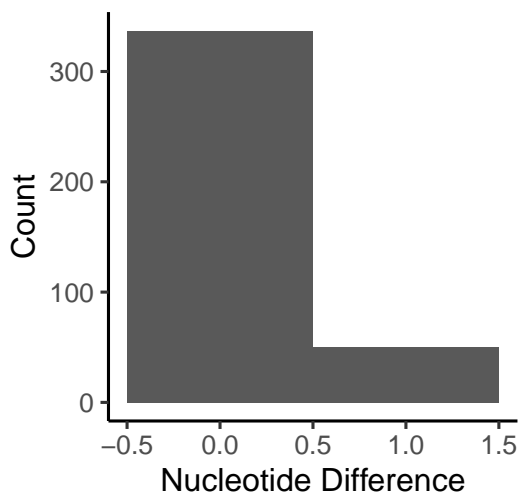
### TRBV7-7\*ap01

520 sequences assigned  
515 (99%) exact matches, in which:  
508 unique CDR3  
13 unique J



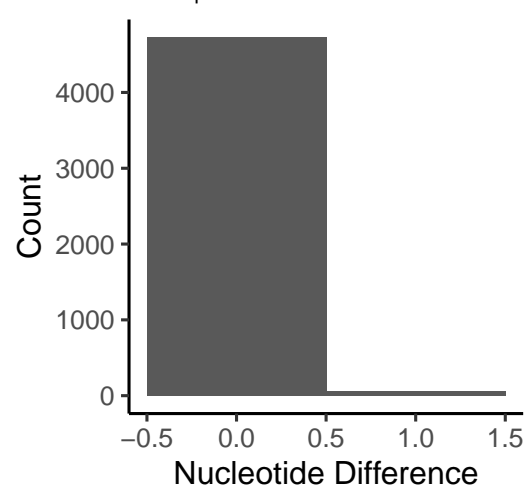
### TRBV7-8\*ap03

387 sequences assigned  
337 (87.1%) exact matches, in which:  
327 unique CDR3  
13 unique J



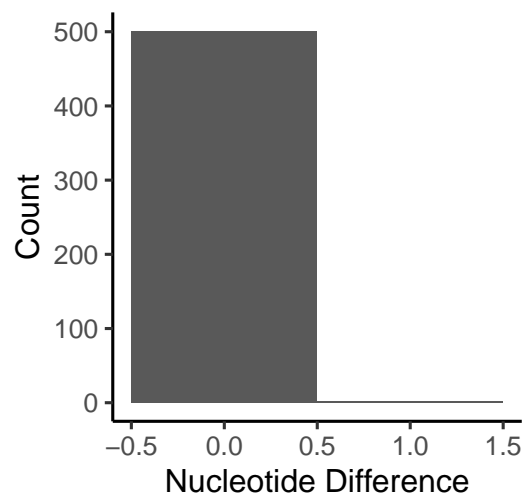
### TRBV29-1\*ap01

4782 sequences assigned  
4726 (98.8%) exact matches, in which:  
4633 unique CDR3  
13 unique J



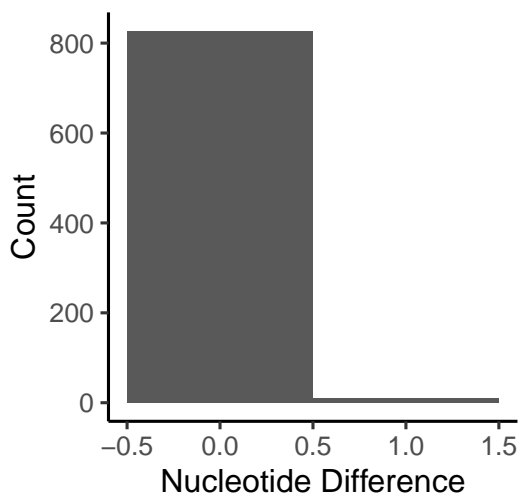
### TRBV7-7\*ap01\_C315T

503 sequences assigned  
501 (99.6%) exact matches, in which:  
496 unique CDR3  
13 unique J



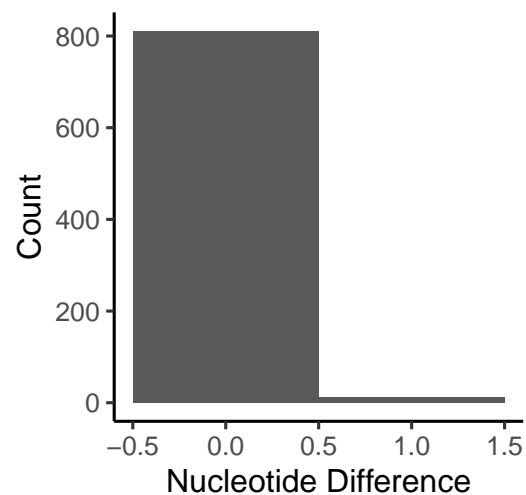
### TRBV7-8\*ap03\_C297A

837 sequences assigned  
827 (98.8%) exact matches, in which:  
820 unique CDR3  
13 unique J



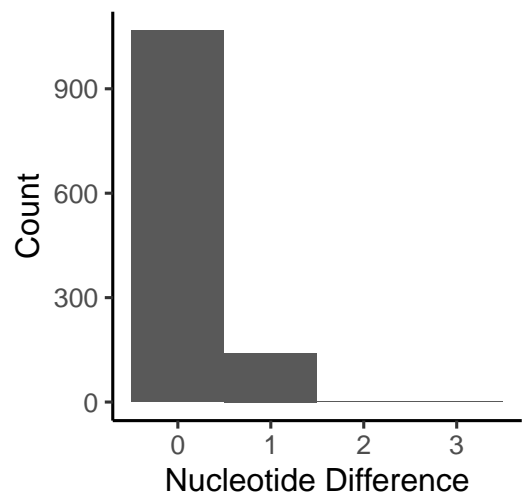
### TRBV29-1\*ap02

822 sequences assigned  
811 (98.7%) exact matches, in which:  
793 unique CDR3  
13 unique J



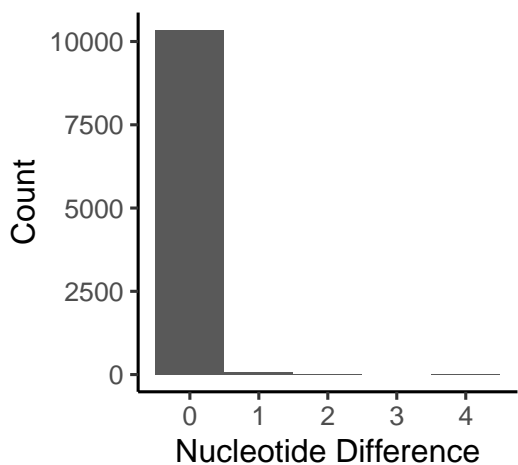
### TRBV7-8\*ap01

1212 sequences assigned  
1068 (88.1%) exact matches, in which:  
1057 unique CDR3  
13 unique J

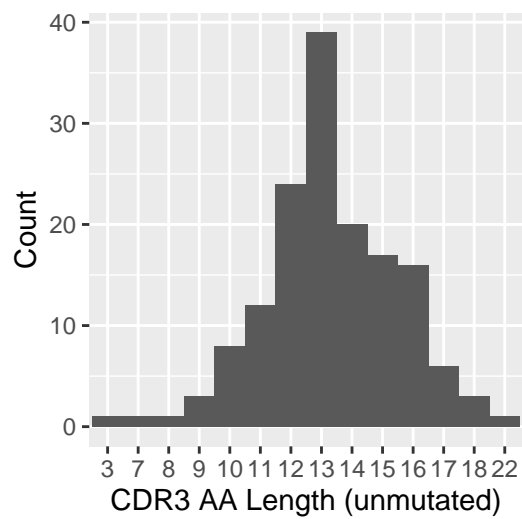


### TRBV7-9\*ap01

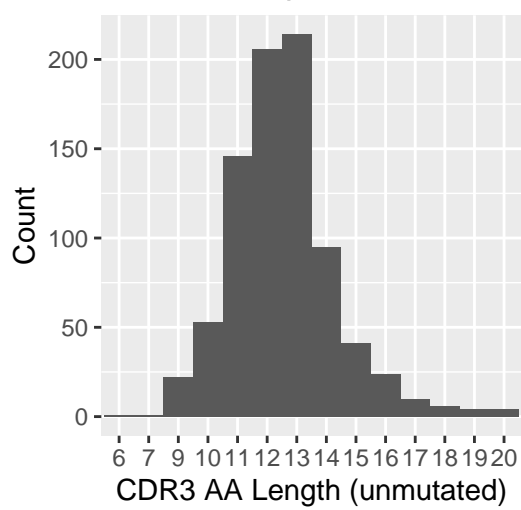
10436 sequences assigned  
10352 (99.2%) exact matches, in which:  
10273 unique CDR3  
13 unique J



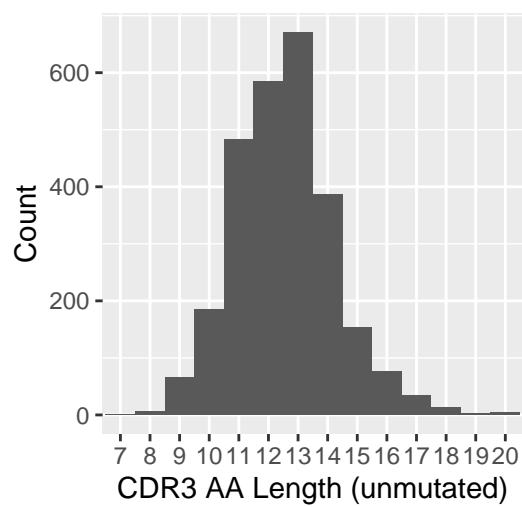
TRBV7-1\*ap01\_G291C\_T29



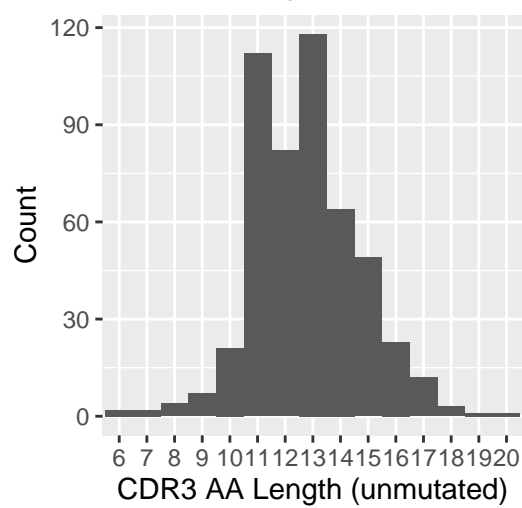
TRBV7-8\*ap03\_C297A

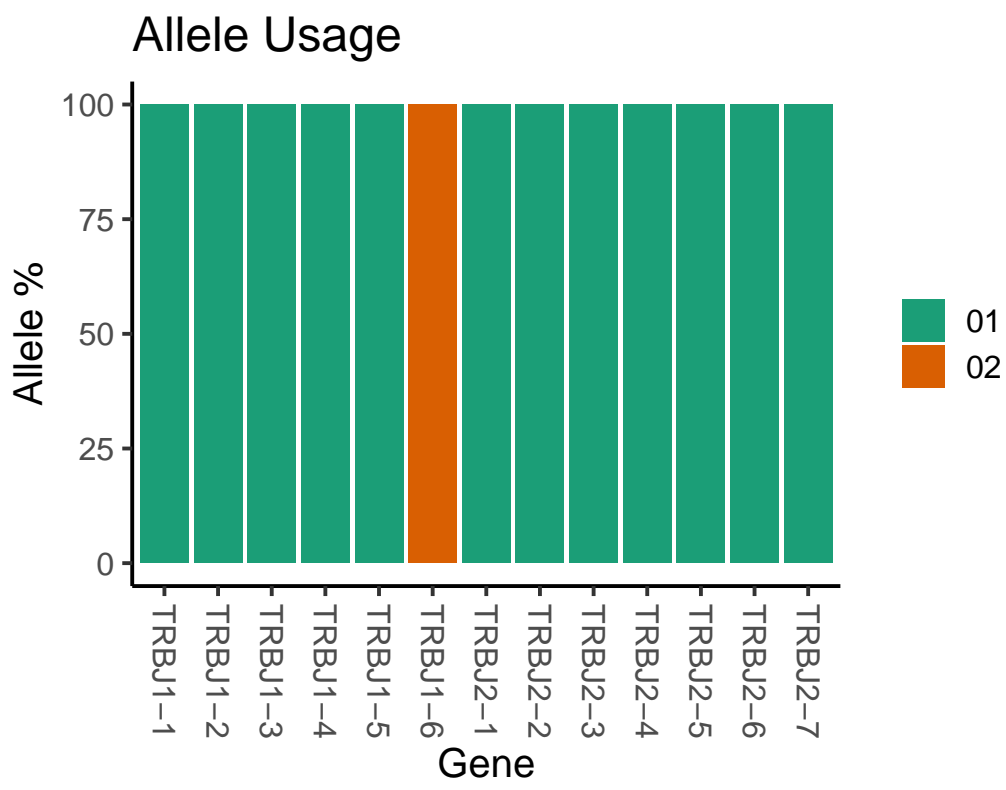


TRBV7-2\*ap01\_G297A



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.