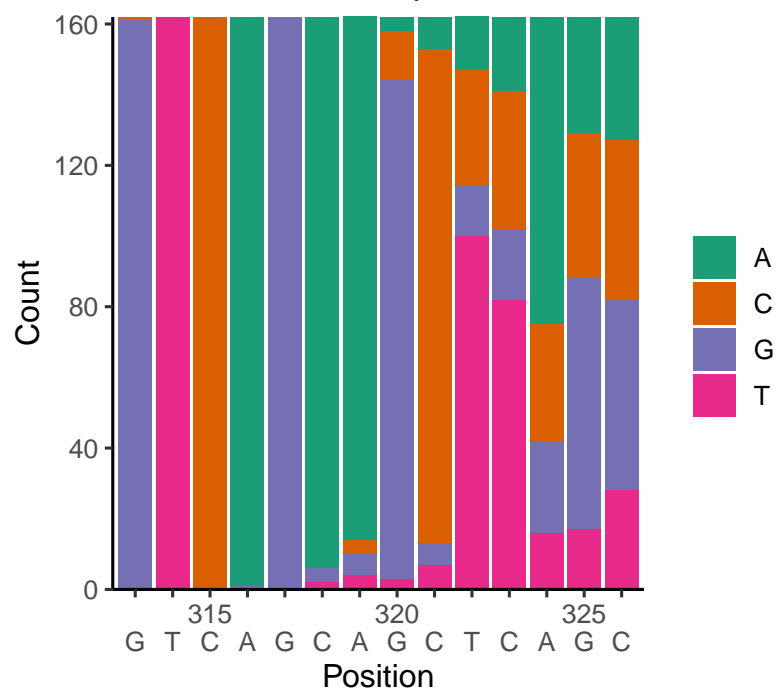
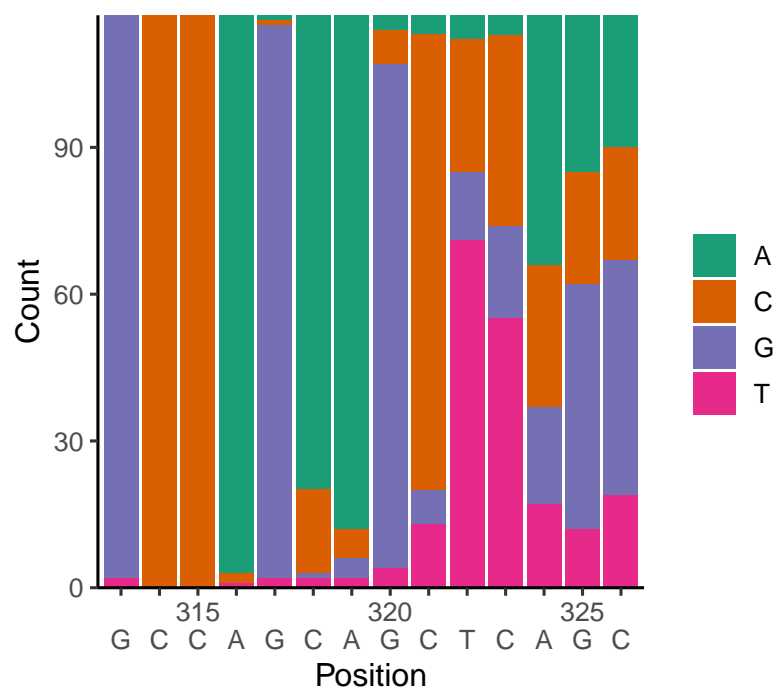


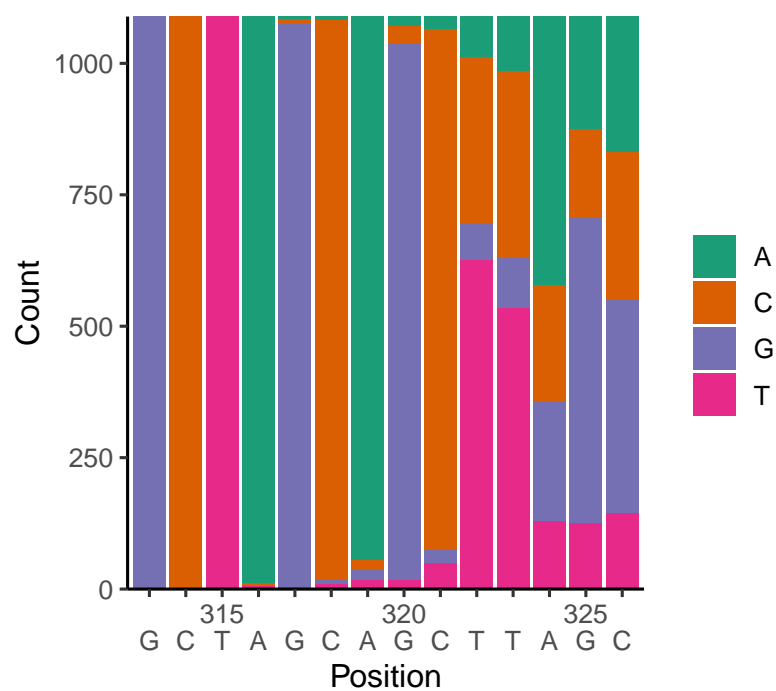
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



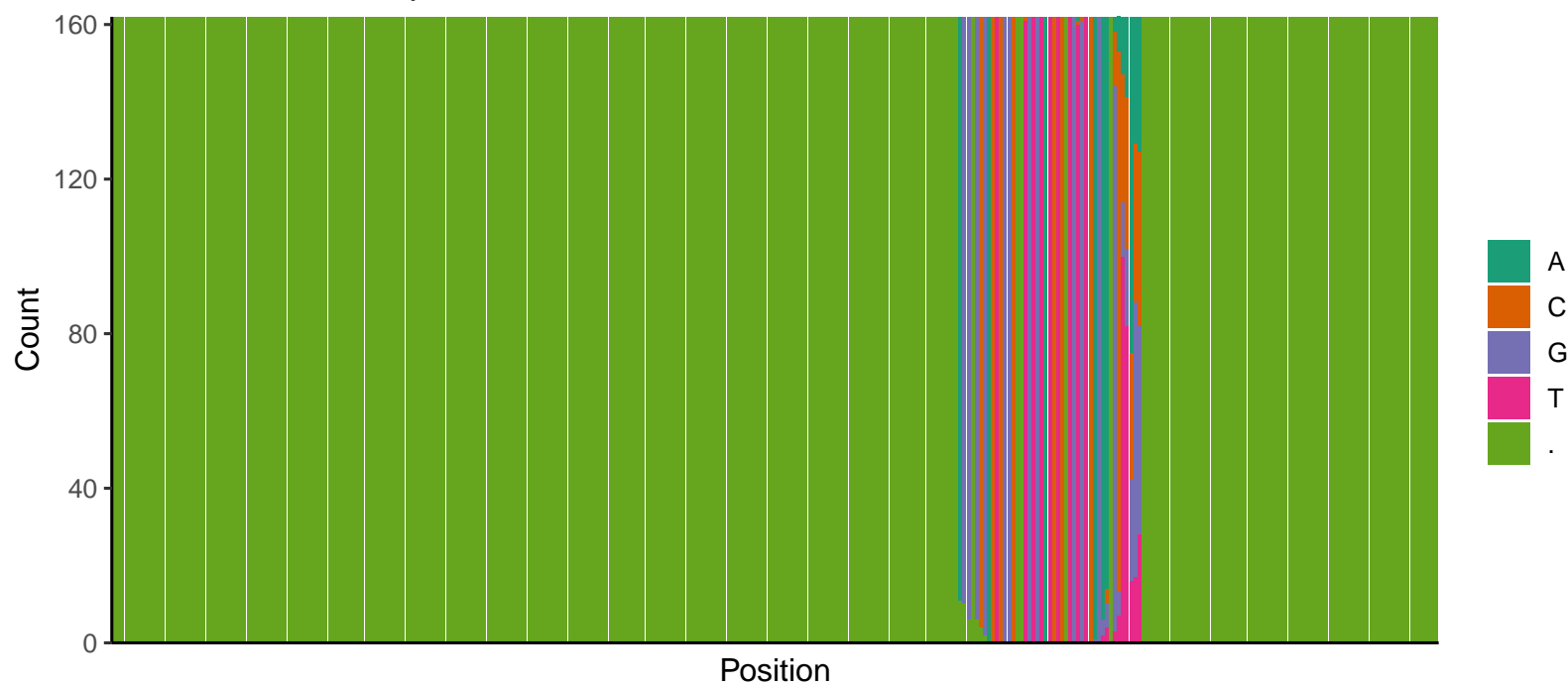
Gene TRBV7-1\*ap01\_G291C\_T296C



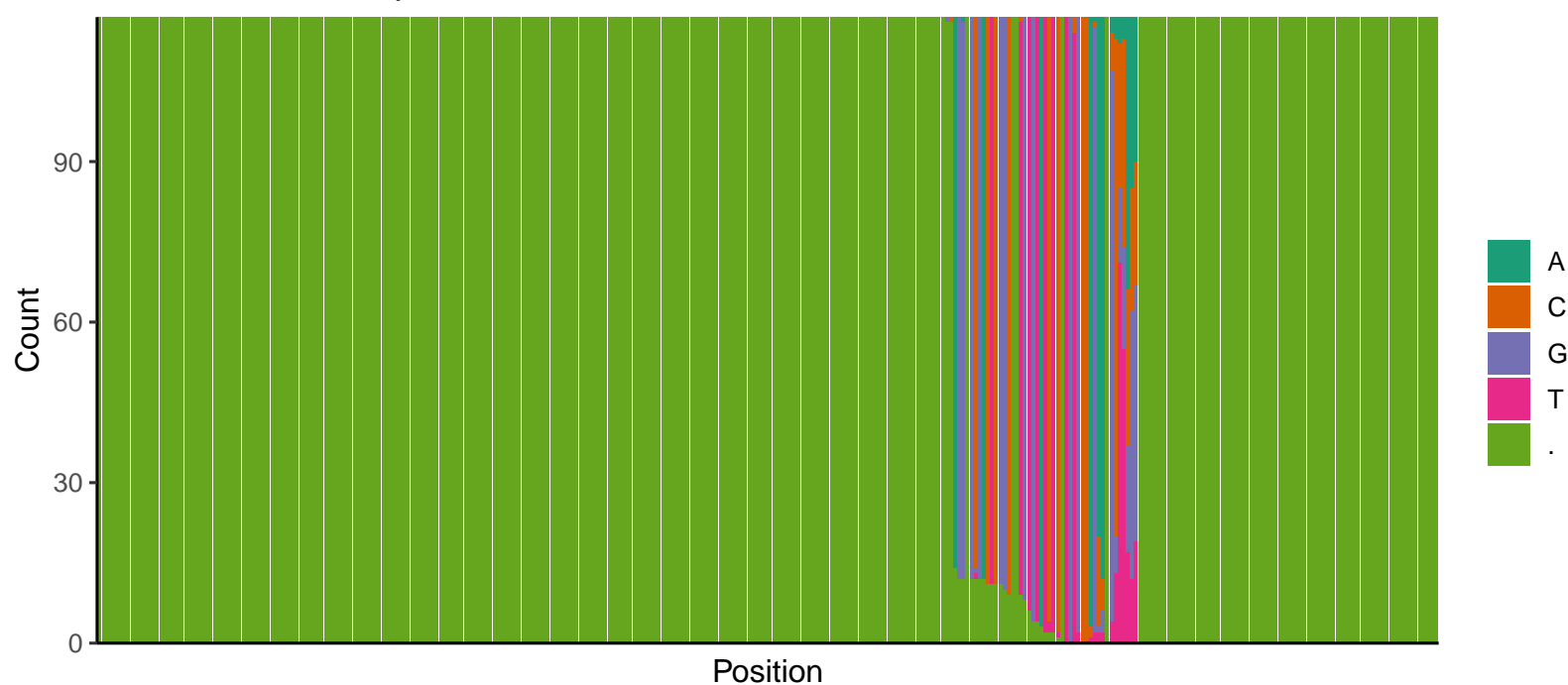
Gene TRBV7-7\*ap01\_C315T



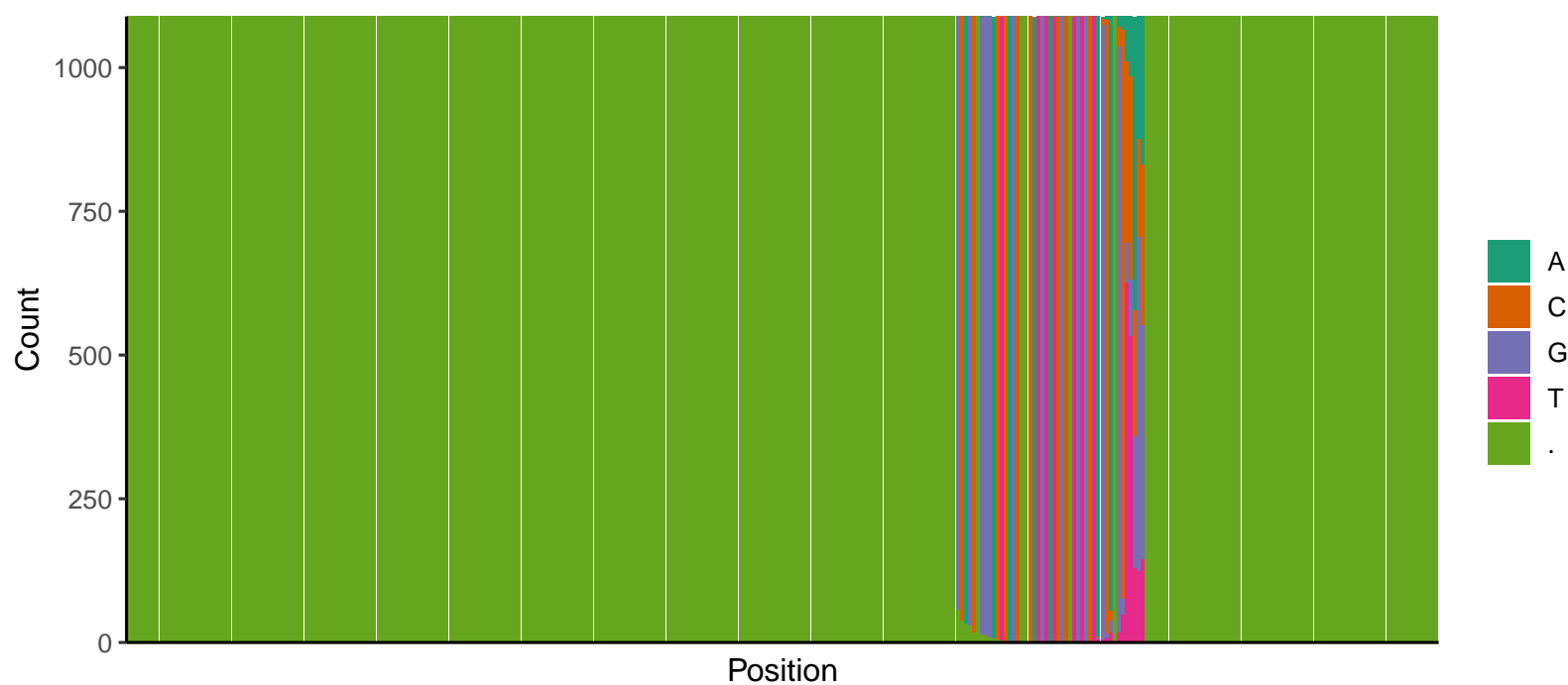
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



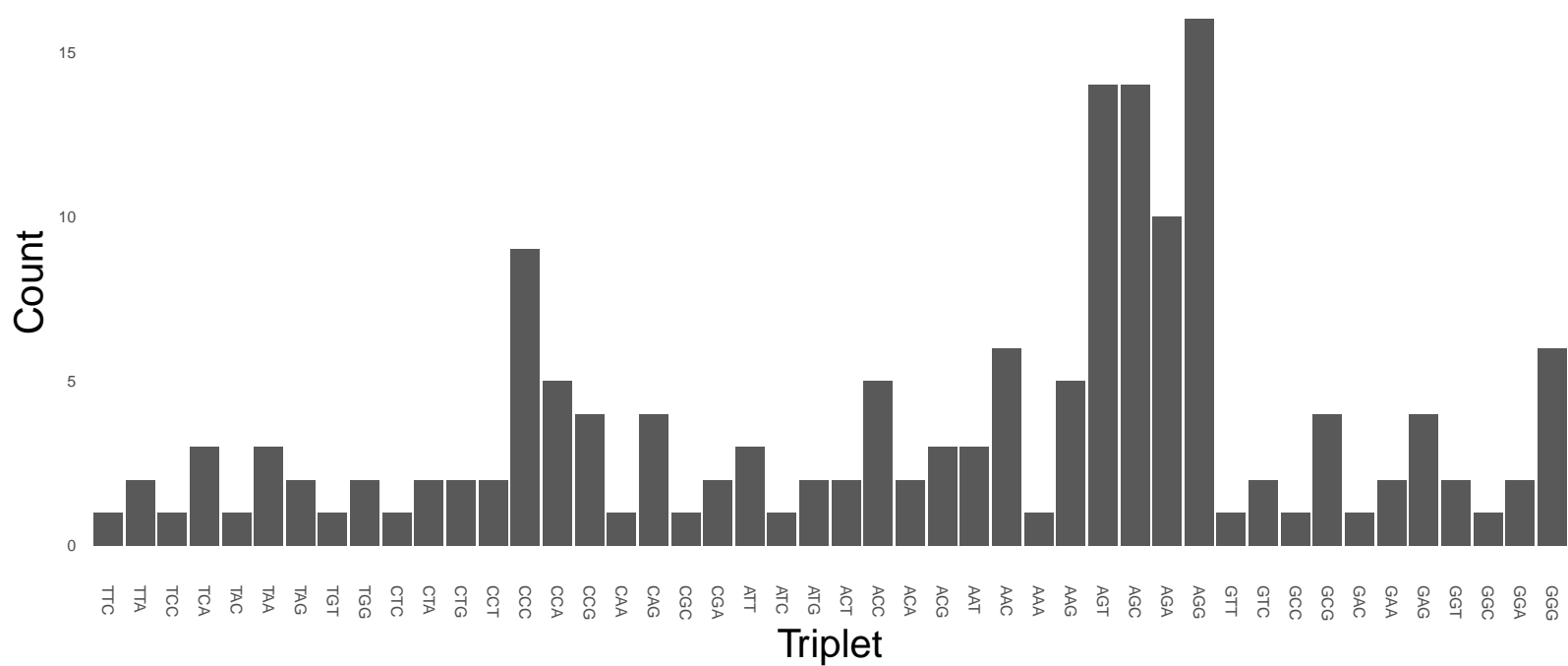
Gene TRBV7-1\*ap01\_G291C\_T296C



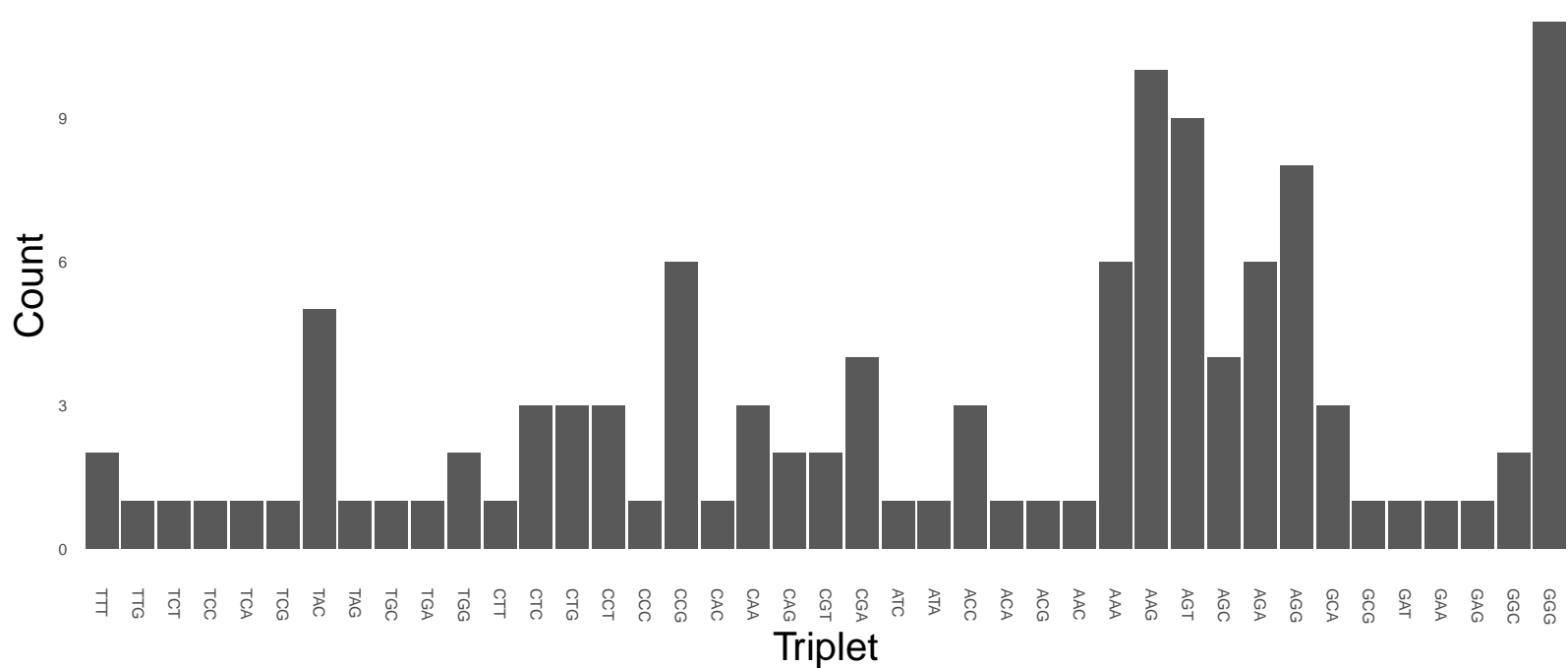
Gene TRBV7-7\*ap01\_C315T



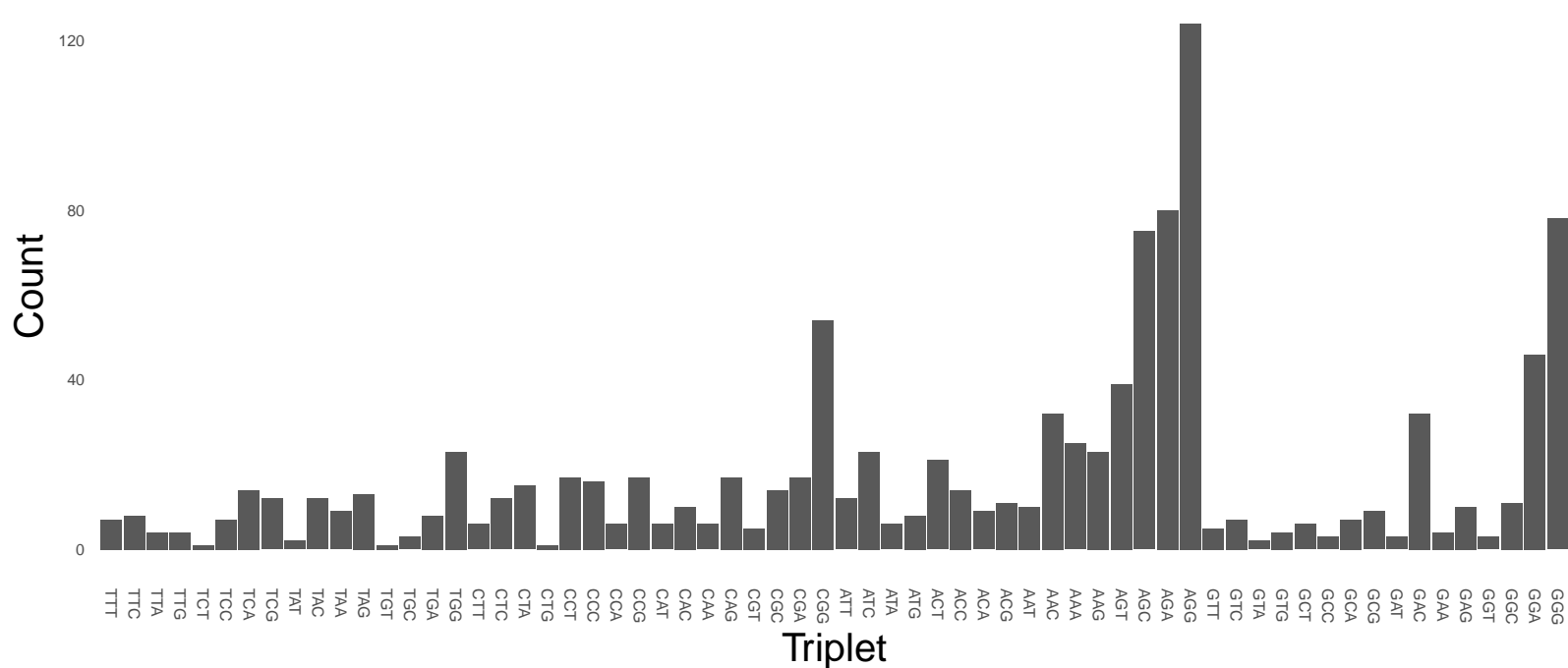
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

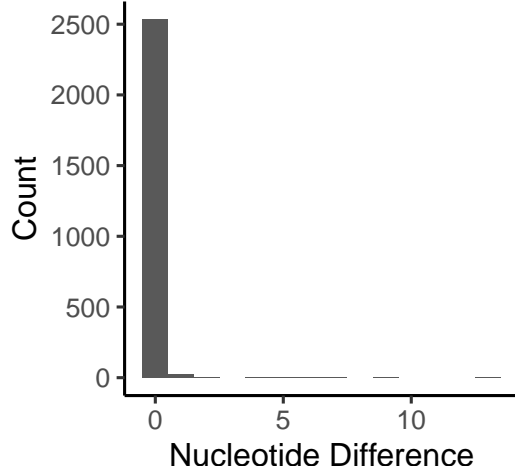


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



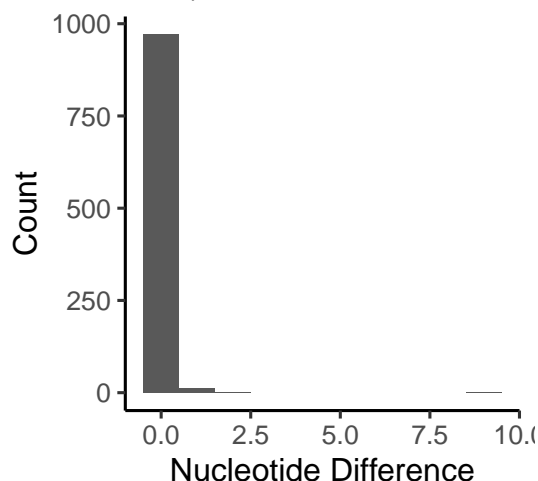
### TRBV10-1\*ap01

2570 sequences assigned  
2534 (98.6%) exact matches, in which:  
2464 unique CDR3  
13 unique J



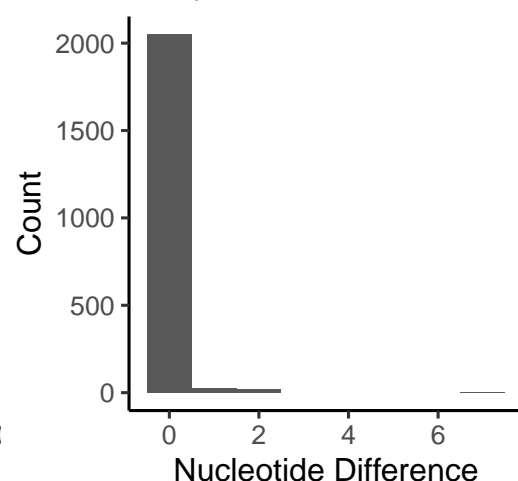
### TRBV10-2\*ap01

986 sequences assigned  
971 (98.5%) exact matches, in which:  
950 unique CDR3  
13 unique J



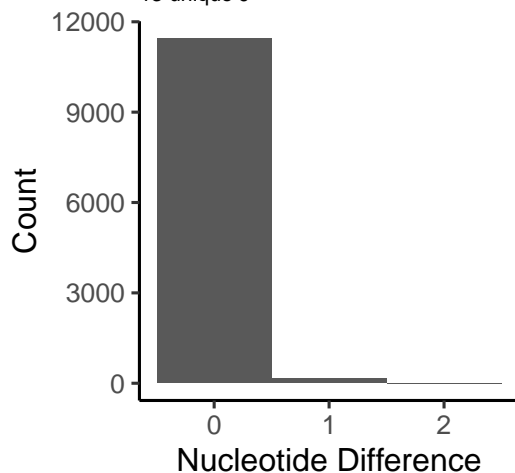
### TRBV13\*ap01

2097 sequences assigned  
2050 (97.8%) exact matches, in which:  
1997 unique CDR3  
13 unique J



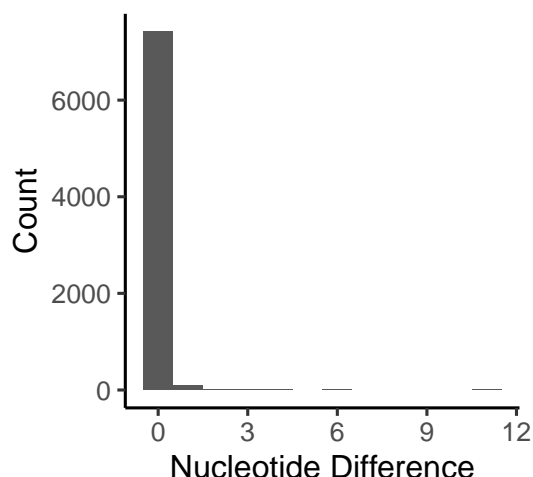
### TRBV20-1\*ap01

11603 sequences assigned  
11446 (98.6%) exact matches, in which:  
11206 unique CDR3  
13 unique J



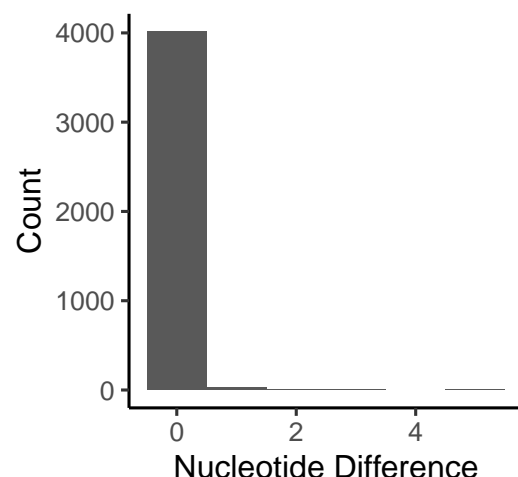
### TRBV10-3\*ap01

7523 sequences assigned  
7416 (98.6%) exact matches, in which:  
7256 unique CDR3  
13 unique J



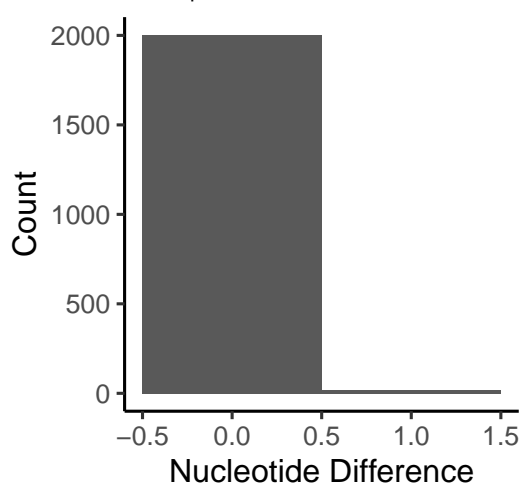
### TRBV14\*ap01

4049 sequences assigned  
4013 (99.1%) exact matches, in which:  
3952 unique CDR3  
13 unique J



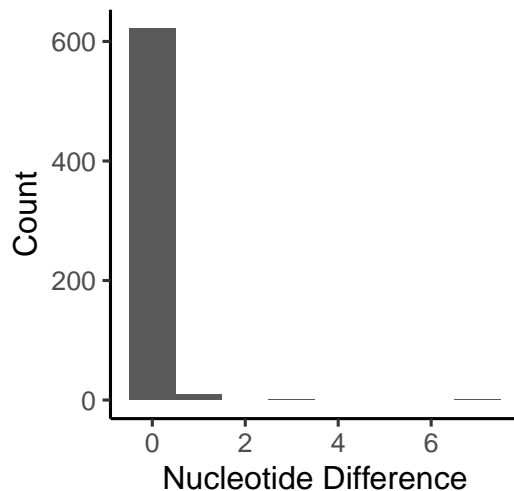
### TRBV20-1\*ap02

2021 sequences assigned  
2002 (99.1%) exact matches, in which:  
1956 unique CDR3  
14 unique J



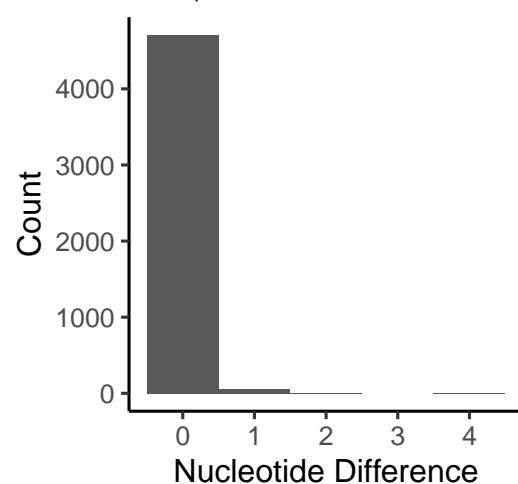
### TRBV1\*ap01

634 sequences assigned  
622 (98.1%) exact matches, in which:  
609 unique CDR3  
13 unique J



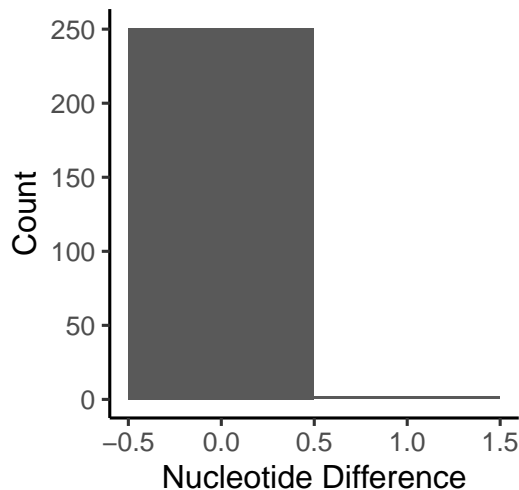
### TRBV15\*ap02

4764 sequences assigned  
4707 (98.8%) exact matches, in which:  
4564 unique CDR3  
13 unique J



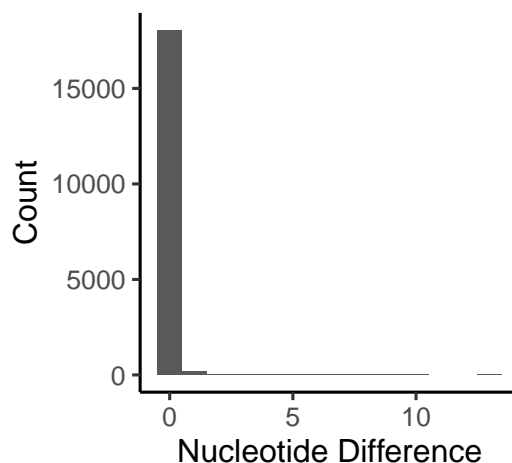
### TRBV16\*ap01

253 sequences assigned  
251 (99.2%) exact matches, in which:  
244 unique CDR3  
13 unique J



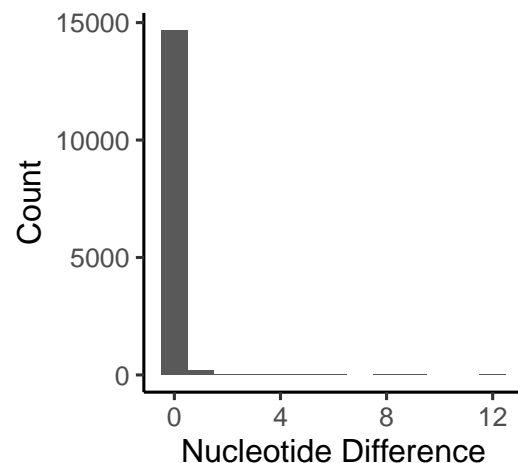
### TRBV19\*ap01

18285 sequences assigned  
18051 (98.7%) exact matches, in which:  
17746 unique CDR3  
13 unique J



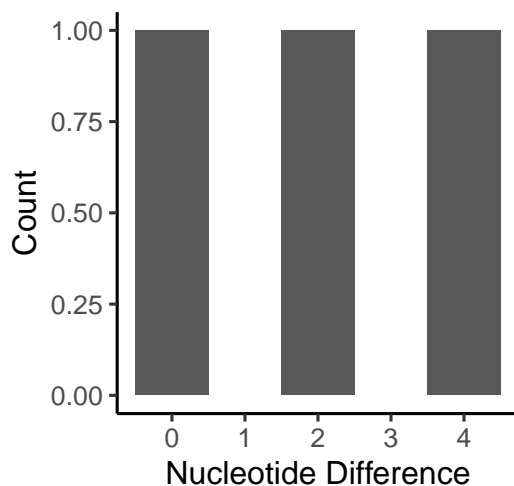
### TRBV27\*ap01

14892 sequences assigned  
14679 (98.6%) exact matches, in which:  
14273 unique CDR3  
13 unique J



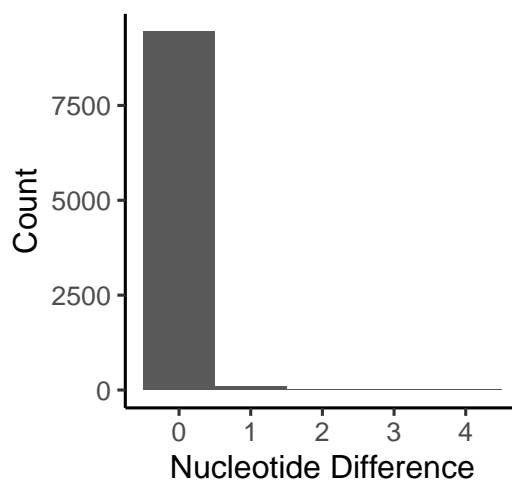
### TRBV17\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



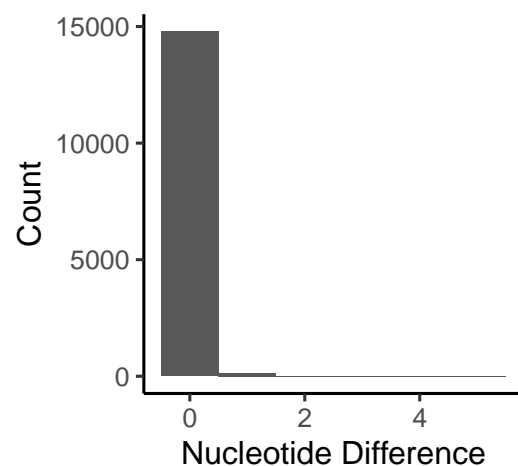
### TRBV2\*ap01

9549 sequences assigned  
9443 (98.9%) exact matches, in which:  
9272 unique CDR3  
13 unique J



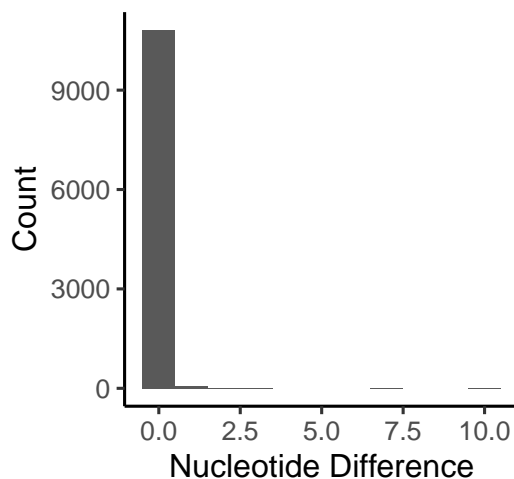
### TRBV28\*ap01

14934 sequences assigned  
14788 (99%) exact matches, in which:  
14337 unique CDR3  
13 unique J



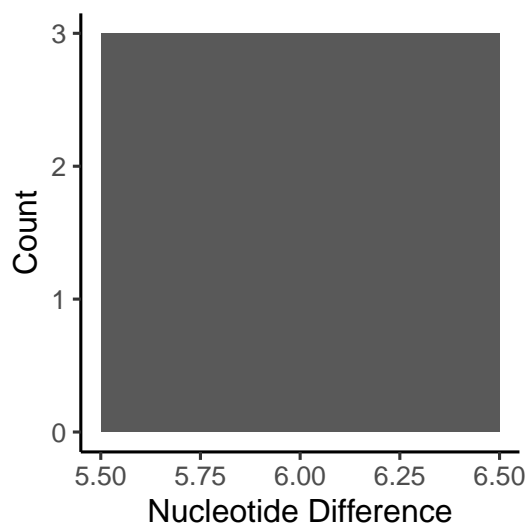
### TRBV18\*ap01

10882 sequences assigned  
10813 (99.4%) exact matches, in which:  
10638 unique CDR3  
13 unique J



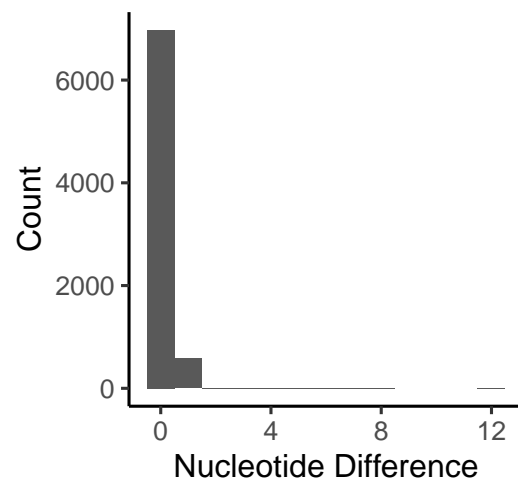
### TRBV26\*ap01

3 sequences assigned  
No exact matches.



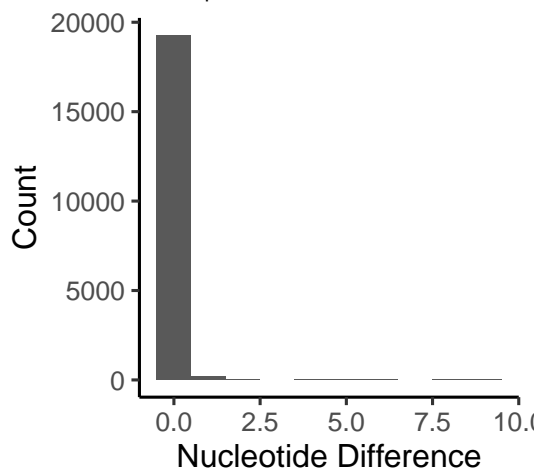
### TRBV30\*ap01

7582 sequences assigned  
6974 (92%) exact matches, in which:  
6851 unique CDR3  
13 unique J



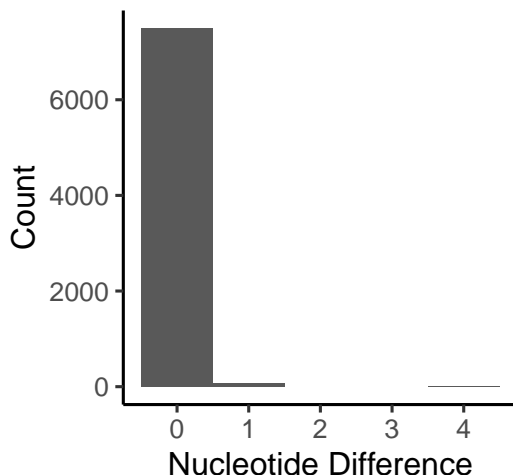
### TRBV9\*ap01

19502 sequences assigned  
19278 (98.9%) exact matches, in which:  
18891 unique CDR3  
13 unique J



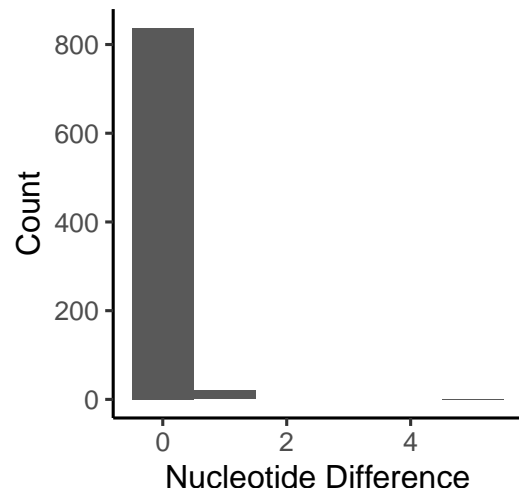
### TRBV11-2\*ap01

7570 sequences assigned  
7492 (99%) exact matches, in which:  
7326 unique CDR3  
13 unique J



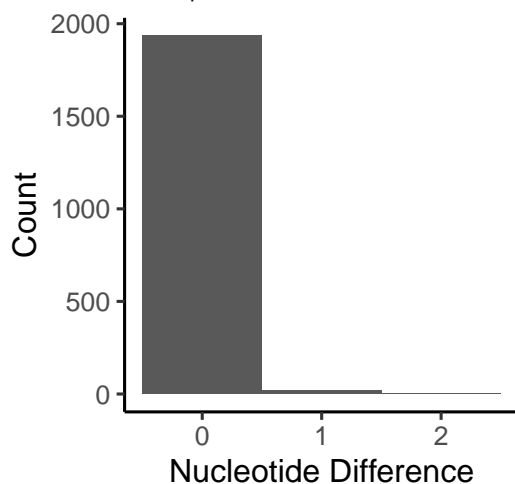
### TRBV12-2\*ap01

859 sequences assigned  
838 (97.6%) exact matches, in which:  
816 unique CDR3  
13 unique J



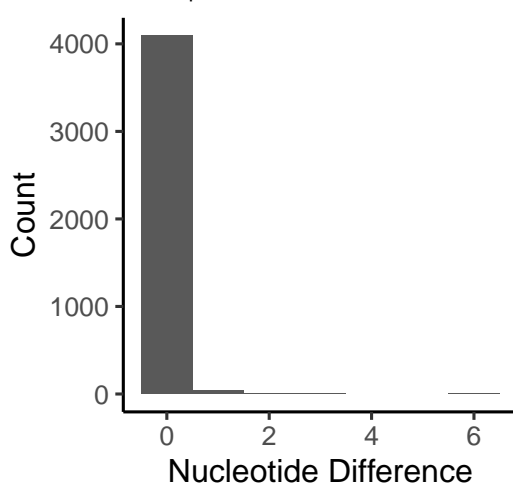
### TRBV11-1\*ap01

1955 sequences assigned  
1935 (99%) exact matches, in which:  
1874 unique CDR3  
13 unique J



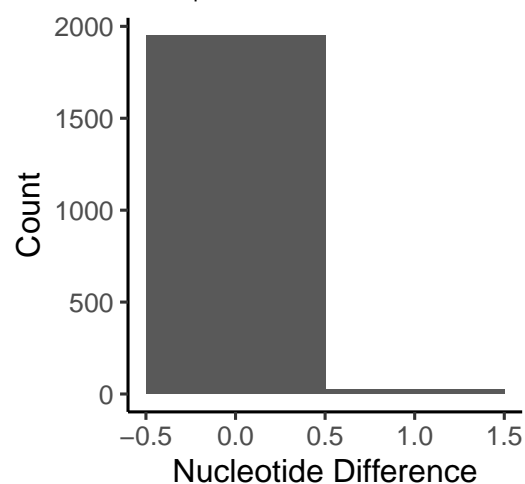
### TRBV11-3\*ap01

4143 sequences assigned  
4093 (98.8%) exact matches, in which:  
4010 unique CDR3  
13 unique J



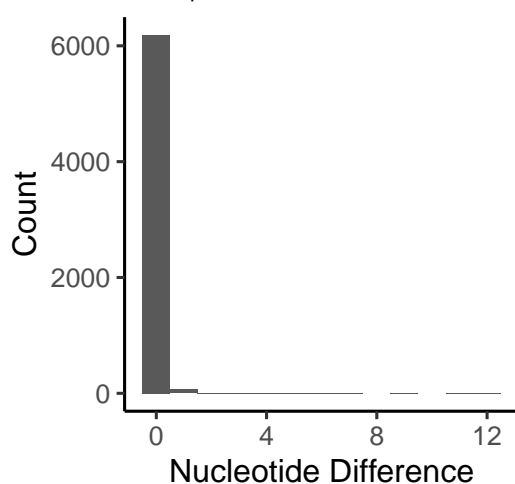
### TRBV12-5\*ap01

1971 sequences assigned  
1949 (98.9%) exact matches, in which:  
1903 unique CDR3  
13 unique J



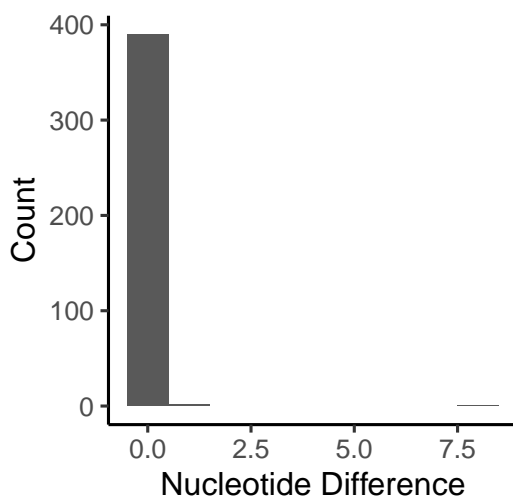
### TRBV21-1\*ap01

6281 sequences assigned  
6186 (98.5%) exact matches, in which:  
6054 unique CDR3  
13 unique J



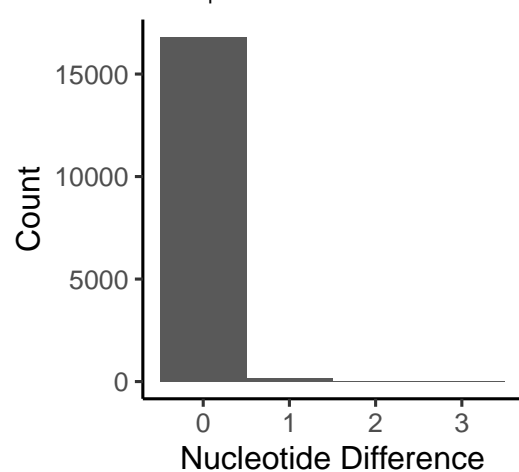
### TRBV12-1\*ap01

393 sequences assigned  
390 (99.2%) exact matches, in which:  
383 unique CDR3  
13 unique J



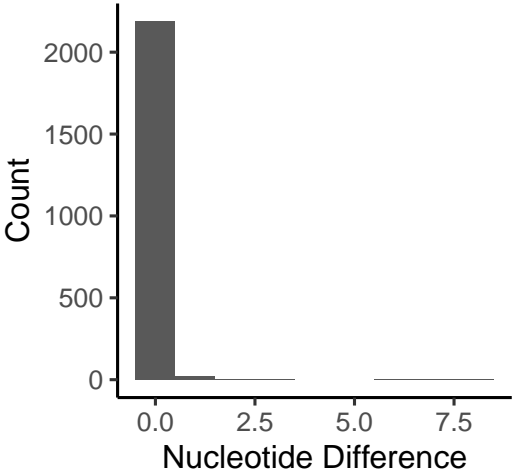
### TRBV12-34\*ap01

17002 sequences assigned  
16817 (98.9%) exact matches, in which:  
16429 unique CDR3  
13 unique J



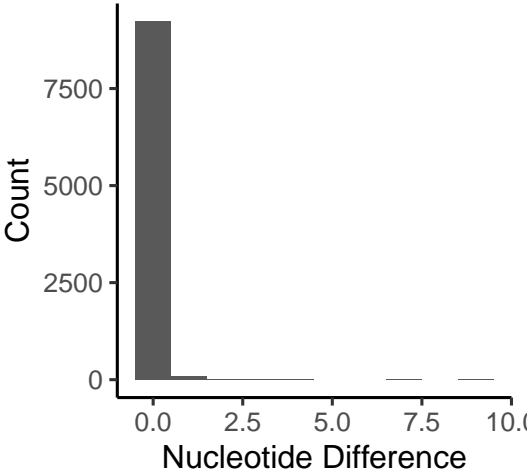
TRBV23-1\*ap01

2212 sequences assigned  
2188 (98.9%) exact matches, in which:  
2145 unique CDR3  
14 unique J



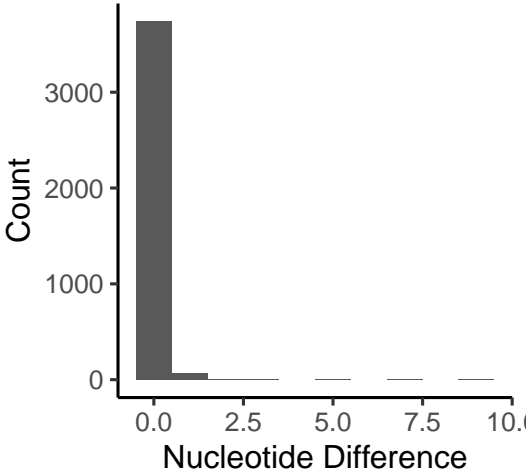
TRBV24-1\*ap01

9333 sequences assigned  
9230 (98.9%) exact matches, in which:  
9064 unique CDR3  
13 unique J



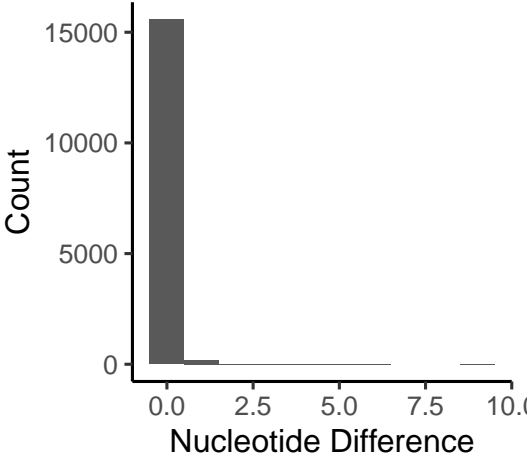
TRBV25-1\*ap01

3813 sequences assigned  
3739 (98.1%) exact matches, in which:  
3672 unique CDR3  
13 unique J



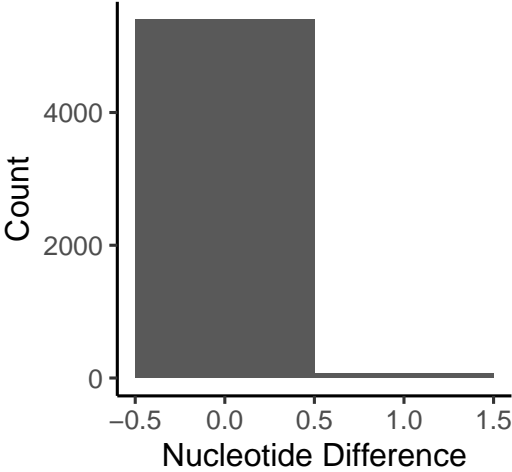
TRBV3-12\*ap01

15789 sequences assigned  
15577 (98.7%) exact matches, in which:  
15217 unique CDR3  
13 unique J



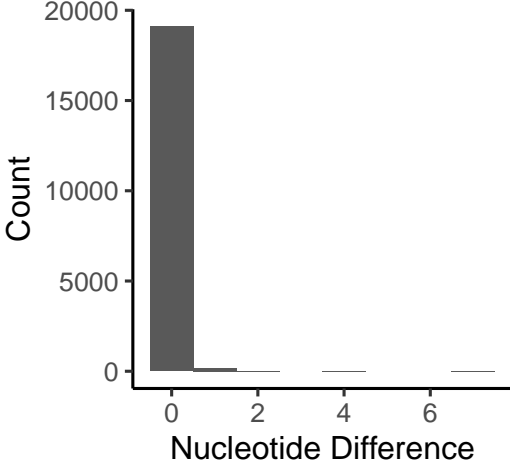
TRBV4-2\*ap01

5465 sequences assigned  
5398 (98.8%) exact matches, in which:  
5275 unique CDR3  
13 unique J



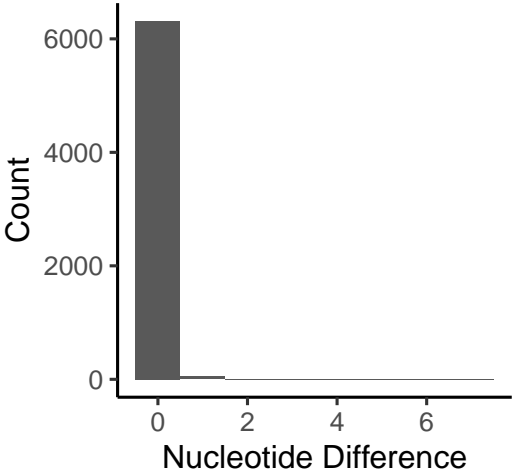
TRBV5-1\*ap01

19305 sequences assigned  
19104 (99%) exact matches, in which:  
18607 unique CDR3  
13 unique J



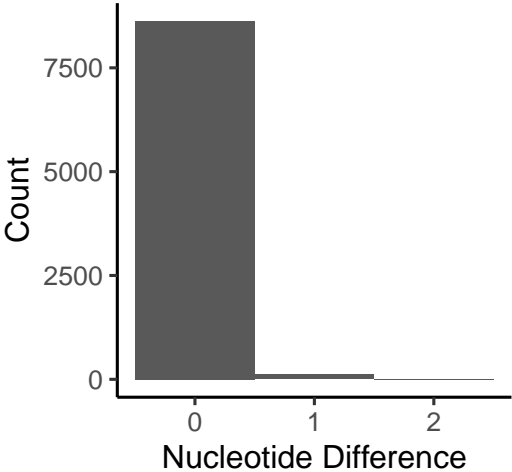
TRBV4-1\*ap01

6374 sequences assigned  
6314 (99.1%) exact matches, in which:  
6178 unique CDR3  
13 unique J



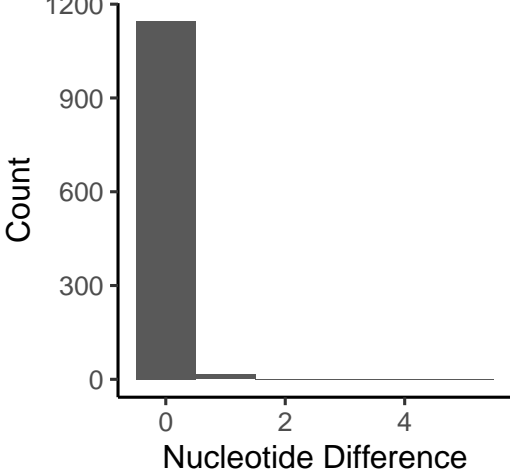
TRBV4-3\*ap01

8739 sequences assigned  
8626 (98.7%) exact matches, in which:  
8399 unique CDR3  
13 unique J



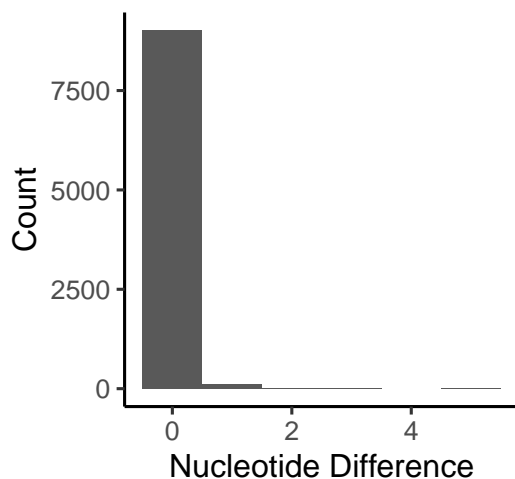
TRBV5-3\*ap01

1166 sequences assigned  
1146 (98.3%) exact matches, in which:  
1128 unique CDR3  
13 unique J



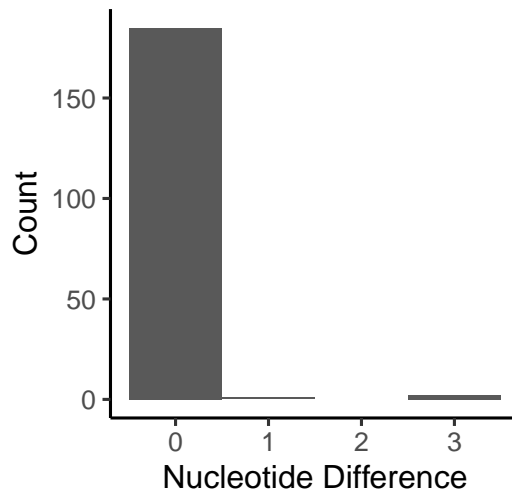
### TRBV5-4\*ap01

9119 sequences assigned  
9013 (98.8%) exact matches, in which:  
8763 unique CDR3  
13 unique J



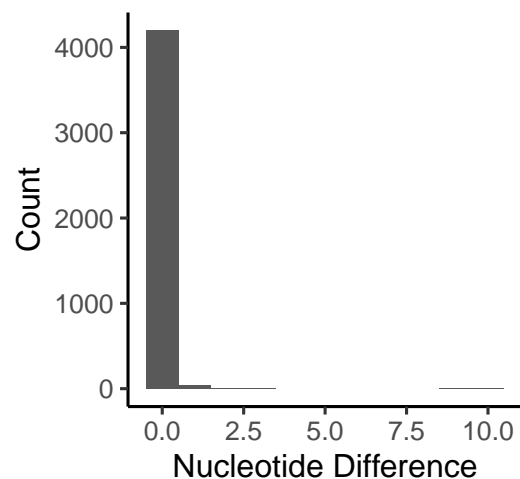
### TRBV5-7\*ap01

188 sequences assigned  
185 (98.4%) exact matches, in which:  
181 unique CDR3  
13 unique J



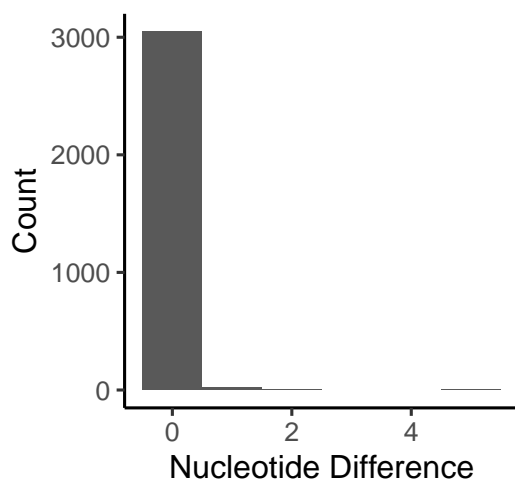
### TRBV6-4\*ap01

4252 sequences assigned  
4199 (98.8%) exact matches, in which:  
4105 unique CDR3  
13 unique J



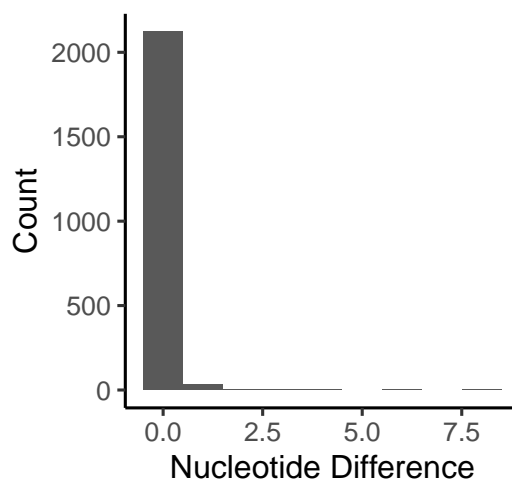
### TRBV5-5\*ap01

3069 sequences assigned  
3047 (99.3%) exact matches, in which:  
3007 unique CDR3  
13 unique J



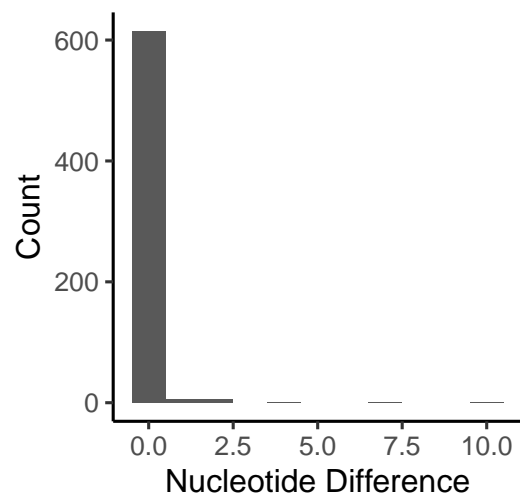
### TRBV5-8\*ap01

2159 sequences assigned  
2122 (98.3%) exact matches, in which:  
2072 unique CDR3  
13 unique J



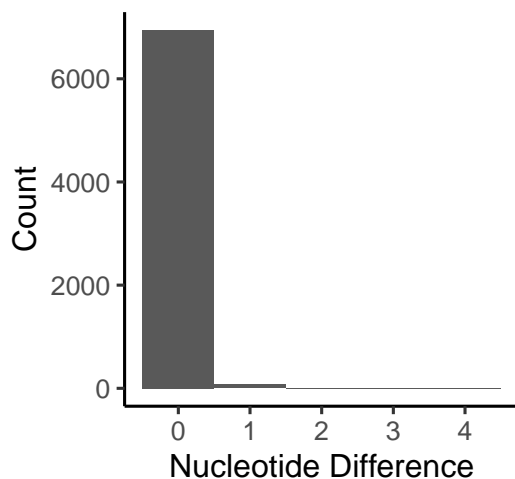
### TRBV6-7\*ap01

629 sequences assigned  
615 (97.8%) exact matches, in which:  
602 unique CDR3  
13 unique J



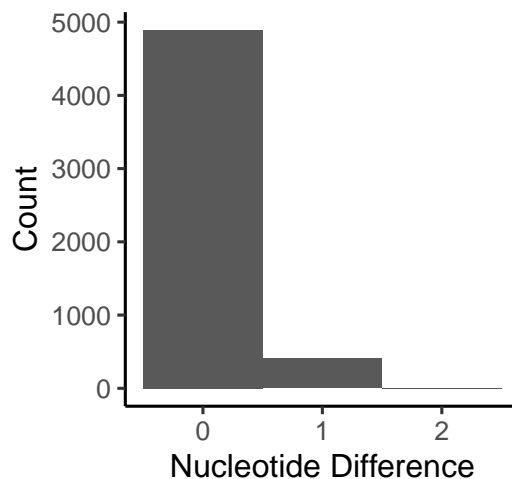
### TRBV5-6\*ap01

7020 sequences assigned  
6945 (98.9%) exact matches, in which:  
6780 unique CDR3  
13 unique J



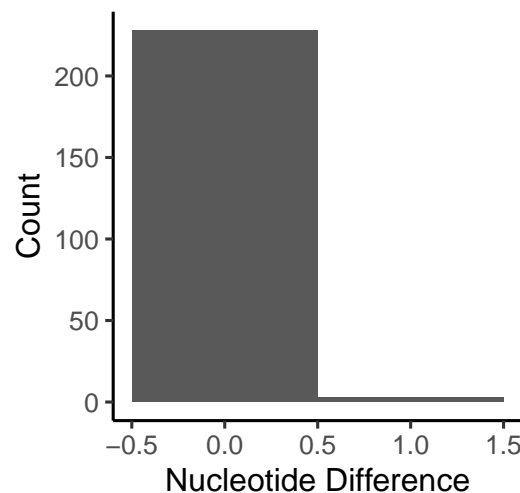
### TRBV6-1\*ap01

5306 sequences assigned  
4892 (92.2%) exact matches, in which:  
4767 unique CDR3  
13 unique J



### TRBV6-8\*ap01

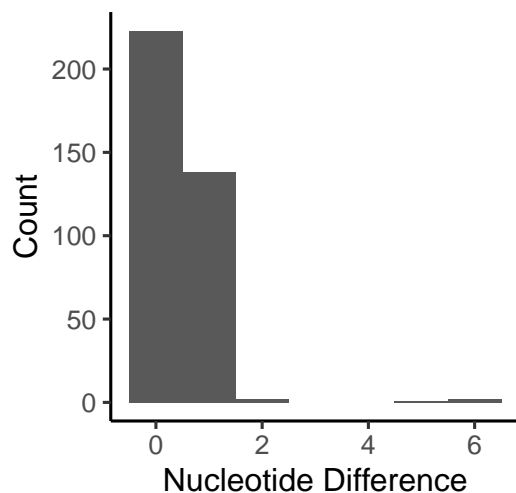
231 sequences assigned  
228 (98.7%) exact matches, in which:  
222 unique CDR3  
13 unique J





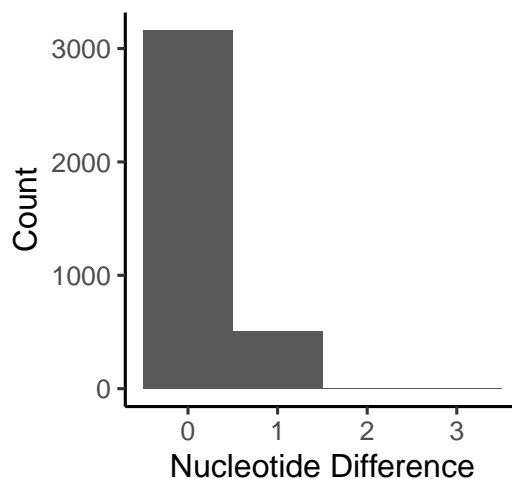
### TRBV6-9\*ap01

366 sequences assigned  
223 (60.9%) exact matches, in which:  
220 unique CDR3  
13 unique J



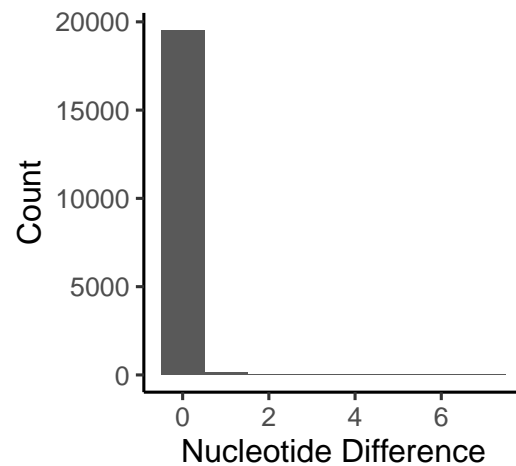
### TRBV6-56\*ap02

3678 sequences assigned  
3160 (85.9%) exact matches, in which:  
3064 unique CDR3  
13 unique J



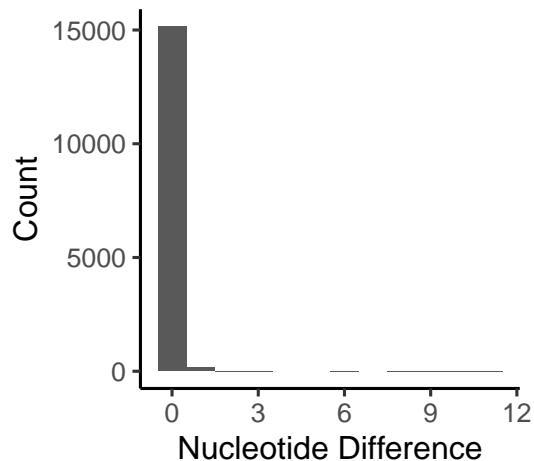
### TRBV7-2\*ap01

19700 sequences assigned  
19529 (99.1%) exact matches, in which:  
19079 unique CDR3  
13 unique J



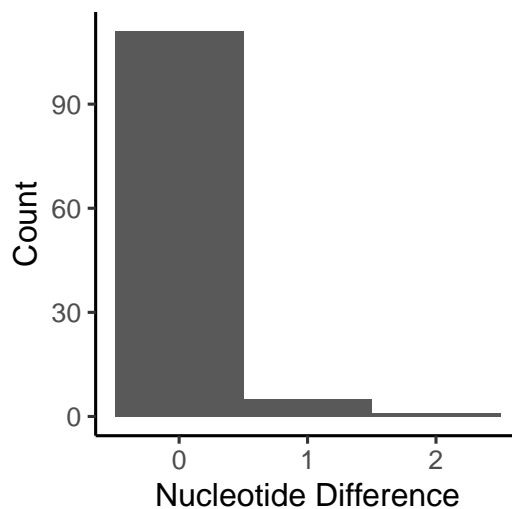
### TRBV6-23\*ap01

15331 sequences assigned  
15155 (98.9%) exact matches, in which:  
14747 unique CDR3  
13 unique J



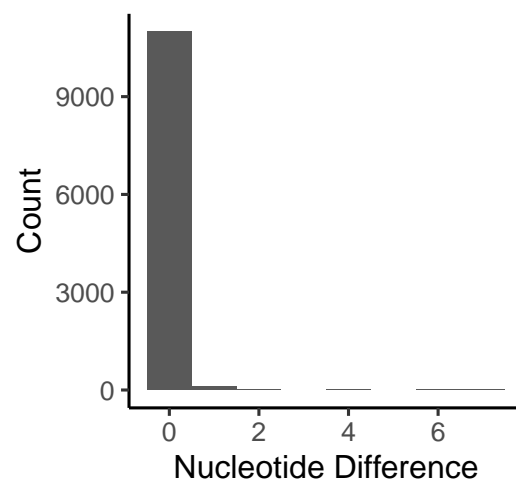
### TRBV7-1\*ap01\_G291C\_T

117 sequences assigned  
111 (94.9%) exact matches, in which:  
107 unique CDR3  
12 unique J



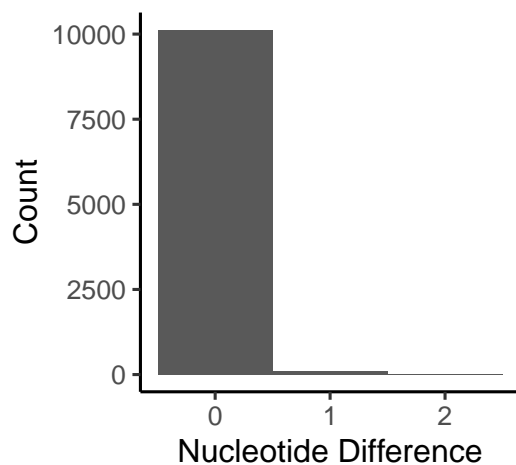
### TRBV7-3\*ap01

11095 sequences assigned  
10991 (99.1%) exact matches, in which:  
10782 unique CDR3  
13 unique J



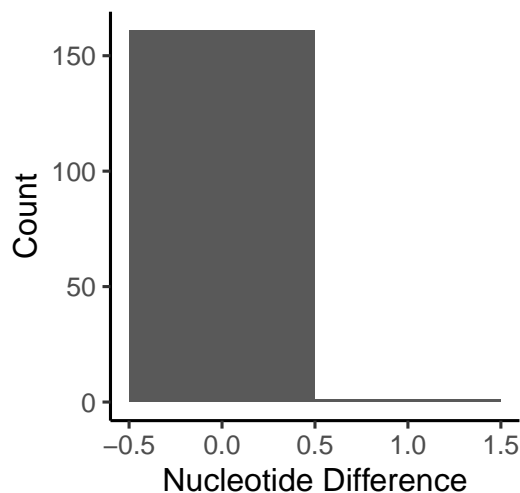
### TRBV6-56\*ap01

10244 sequences assigned  
10126 (98.8%) exact matches, in which:  
9898 unique CDR3  
13 unique J



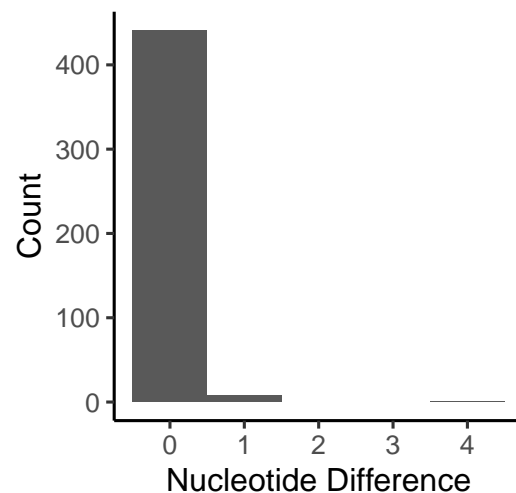
### TRBV7-1\*ap01\_G291C\_

162 sequences assigned  
161 (99.4%) exact matches, in which:  
158 unique CDR3  
13 unique J



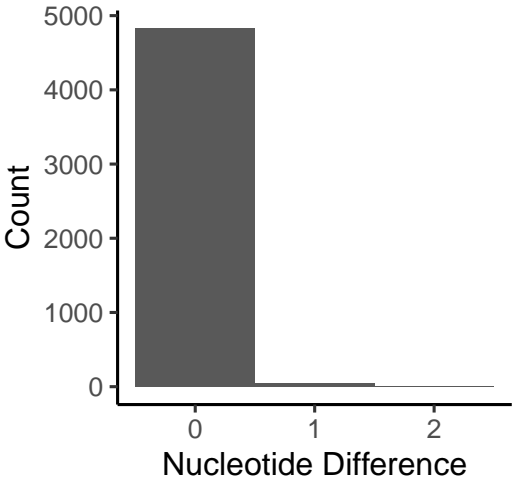
### TRBV7-4\*ap01

450 sequences assigned  
441 (98%) exact matches, in which:  
431 unique CDR3  
13 unique J



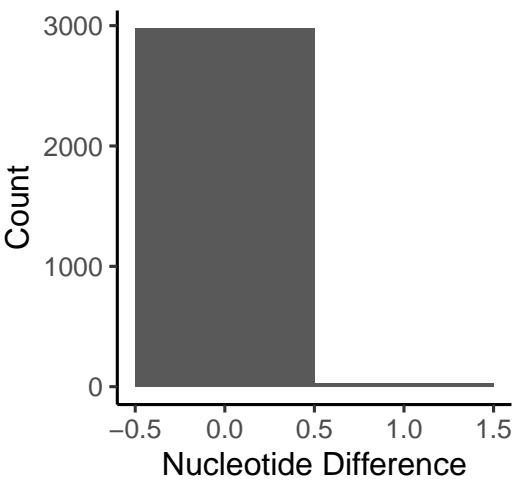
TRBV7-6\*ap01

4880 sequences assigned  
4828 (98.9%) exact matches, in which:  
4702 unique CDR3  
13 unique J



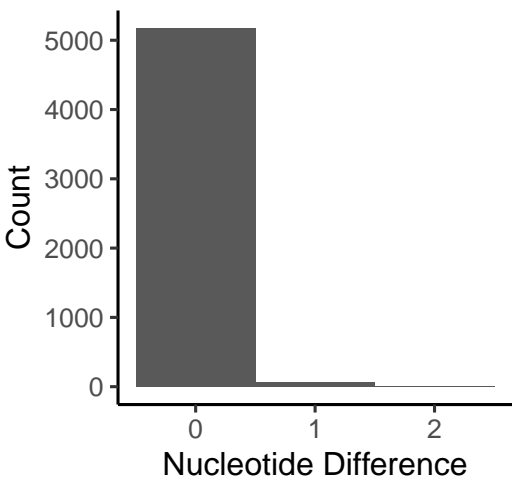
TRBV7-8\*ap01

3009 sequences assigned  
2977 (98.9%) exact matches, in which:  
2908 unique CDR3  
13 unique J



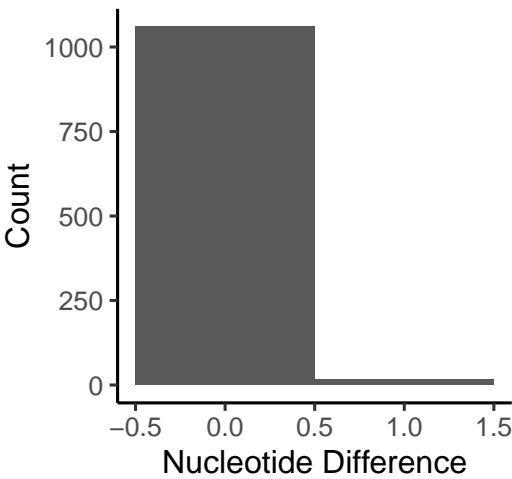
TRBV29-1\*ap01

5230 sequences assigned  
5171 (98.9%) exact matches, in which:  
5053 unique CDR3  
13 unique J



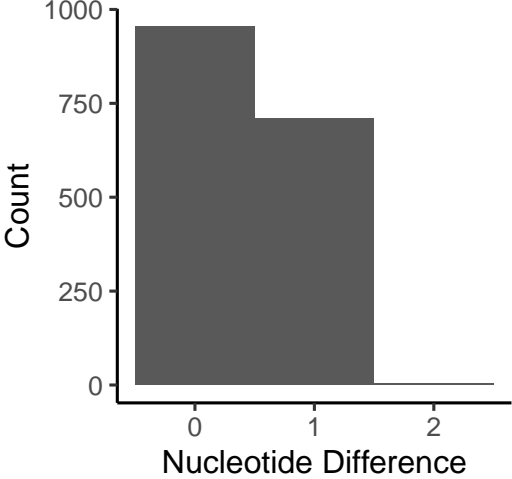
TRBV7-7\*ap01

1077 sequences assigned  
1060 (98.4%) exact matches, in which:  
1037 unique CDR3  
13 unique J



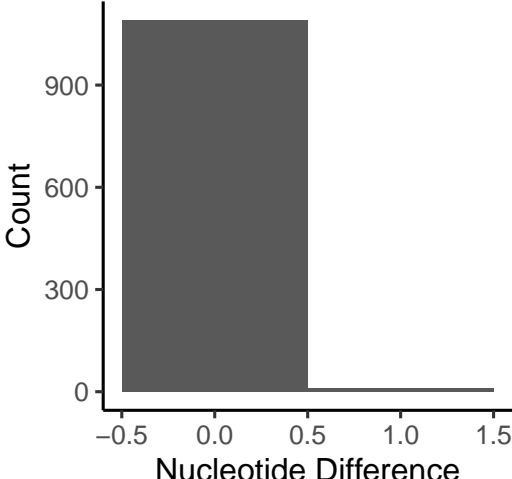
TRBV7-8\*ap03

1668 sequences assigned  
954 (57.2%) exact matches, in which:  
928 unique CDR3  
13 unique J



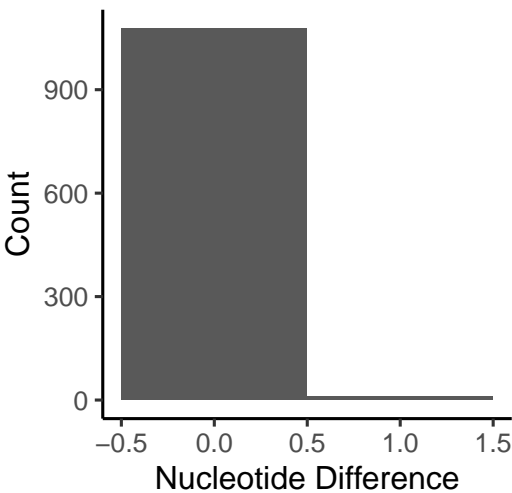
TRBV29-1\*ap02

1102 sequences assigned  
1091 (99%) exact matches, in which:  
1065 unique CDR3  
13 unique J



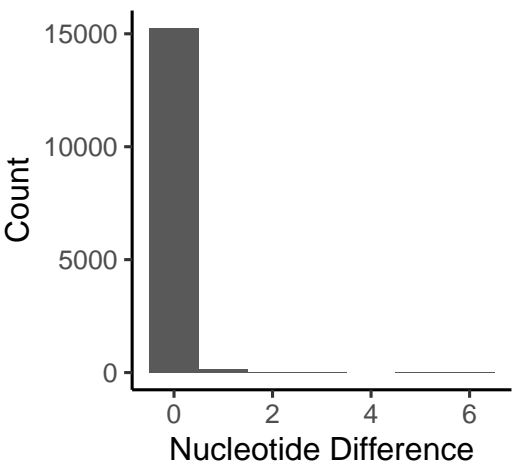
TRBV7-7\*ap01\_C315T

1089 sequences assigned  
1078 (99%) exact matches, in which:  
1052 unique CDR3  
13 unique J

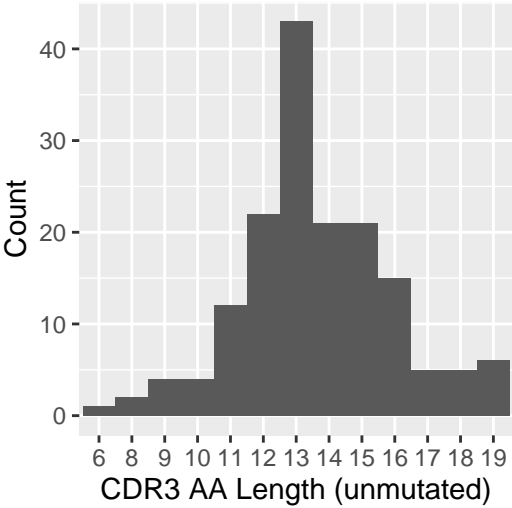


TRBV7-9\*ap01

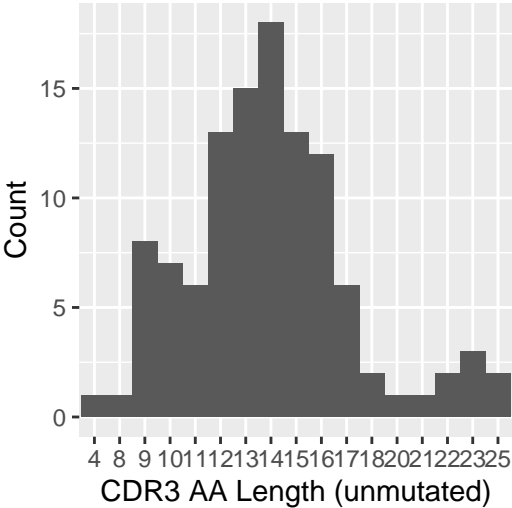
15419 sequences assigned  
15266 (99%) exact matches, in which:  
14980 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

