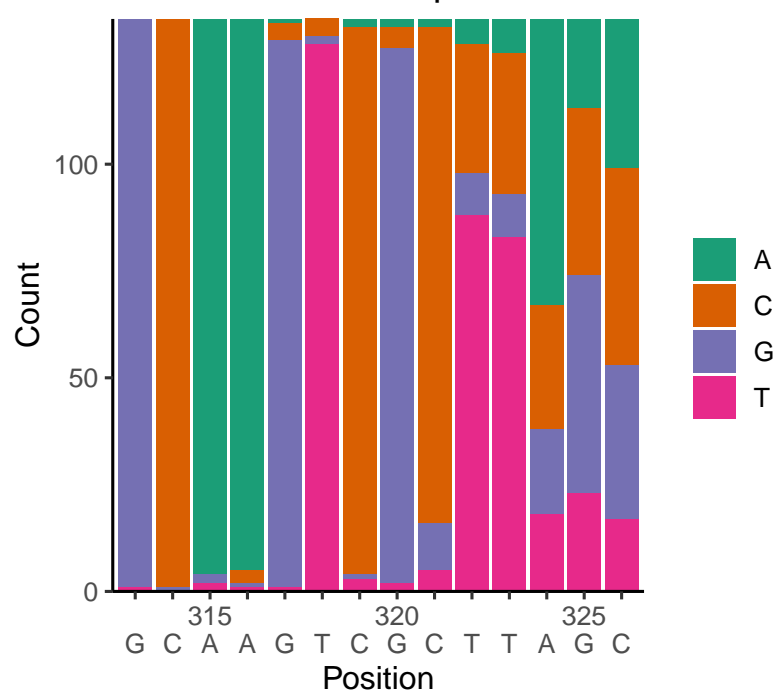
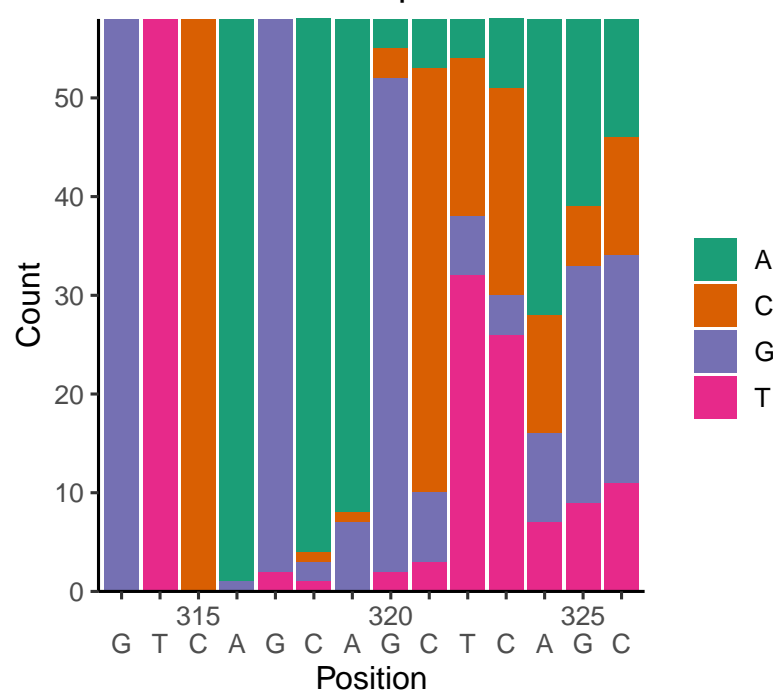


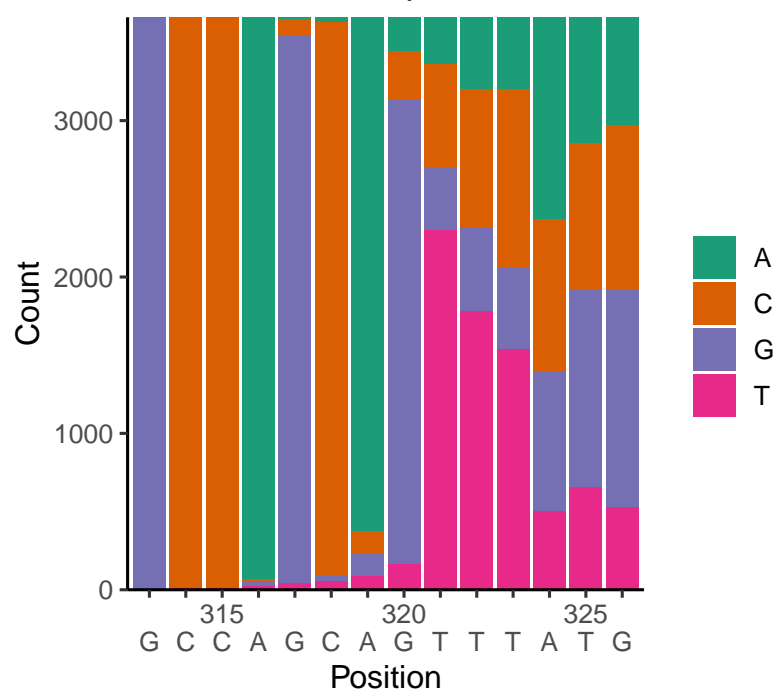
Gene TRBV12-2\*ap01\_G301A



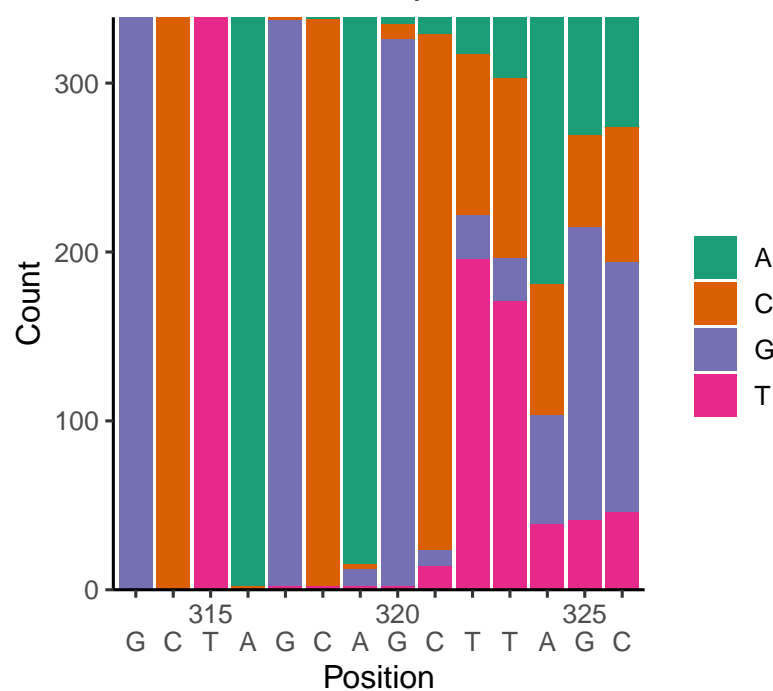
Gene TRBV7-1\*ap01\_G291C\_T296C\_C3



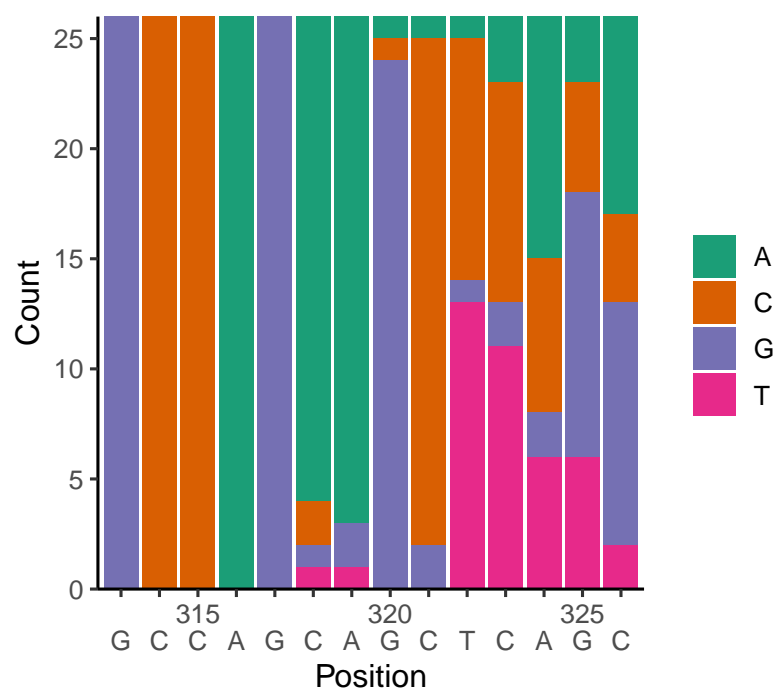
Gene TRBV28\*ap01\_A297G



Gene TRBV7-7\*ap01\_C315T



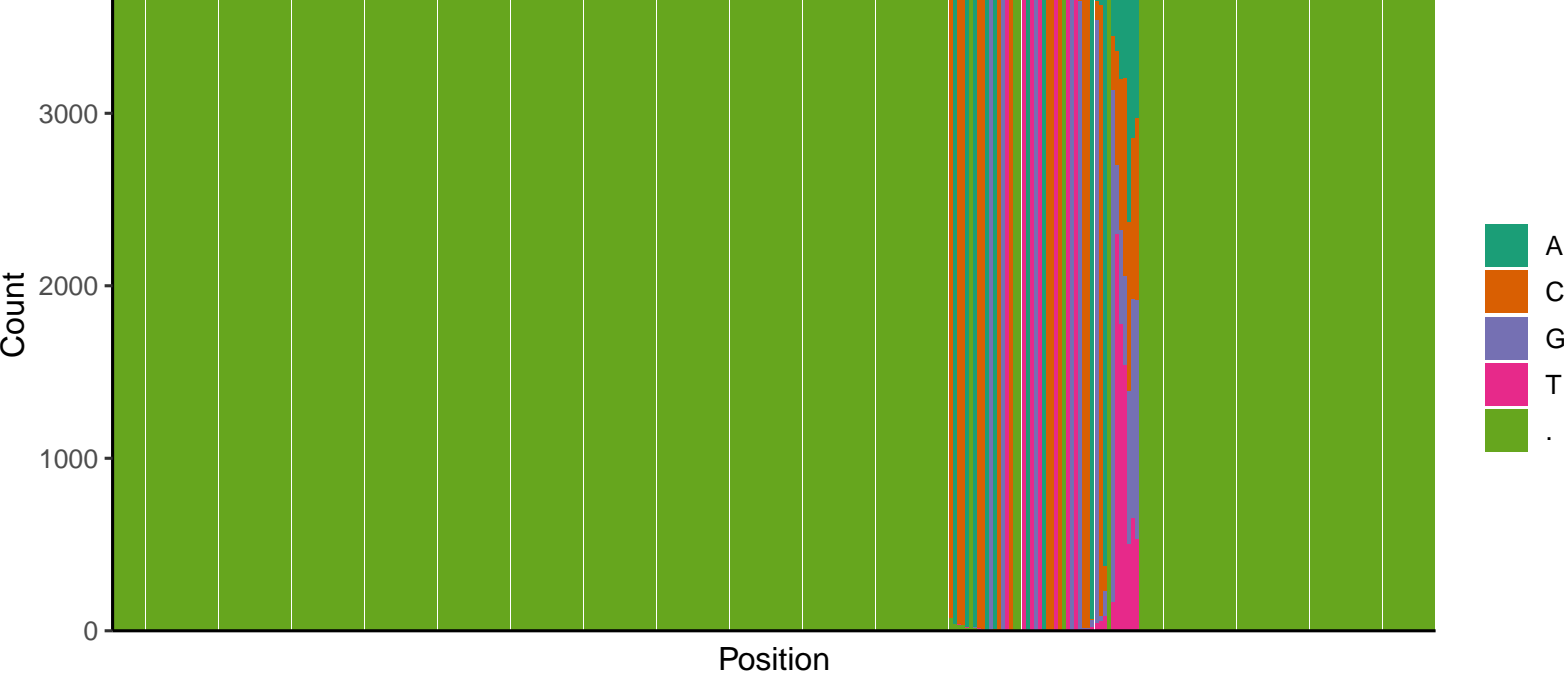
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV12-2\*ap01\_G301A



Gene TRBV28\*ap01\_A297G



Gene TRBV7-1\*ap01\_G291C\_T296C



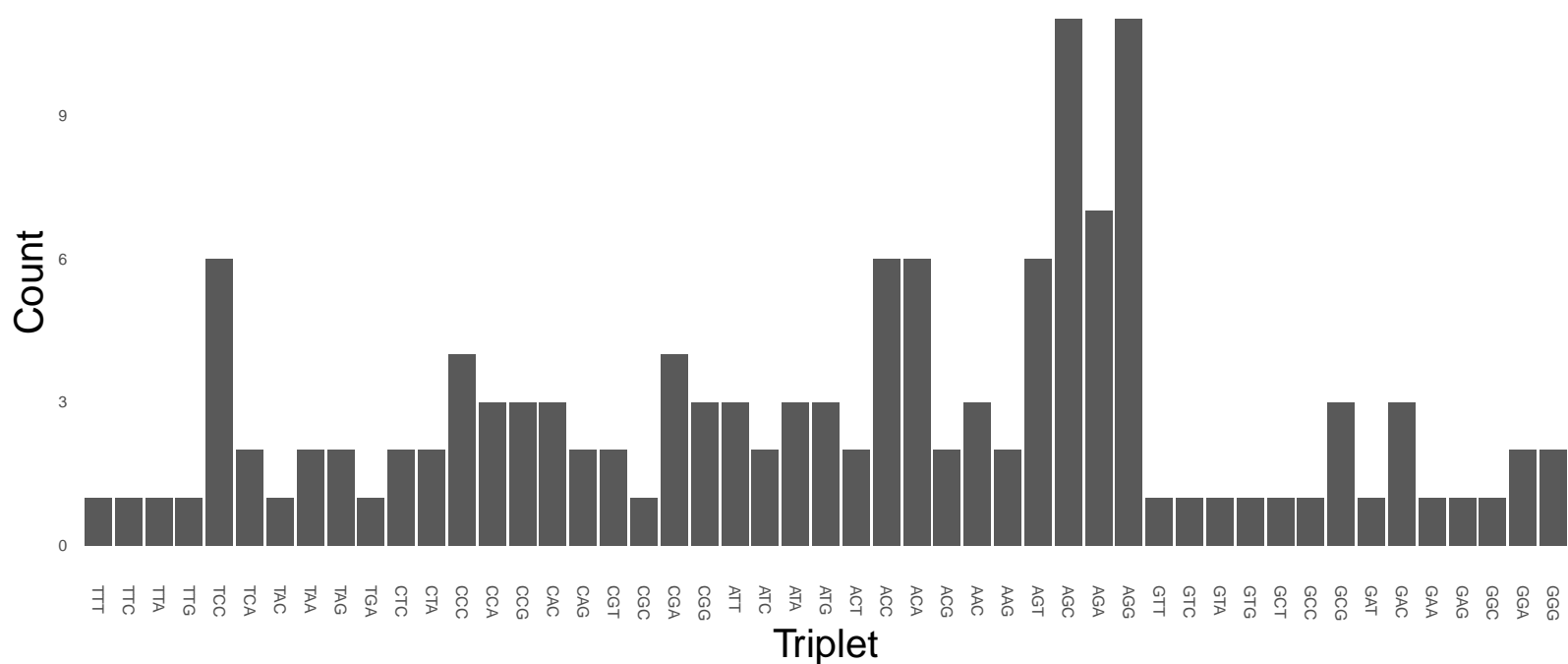
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-7\*ap01\_C315T



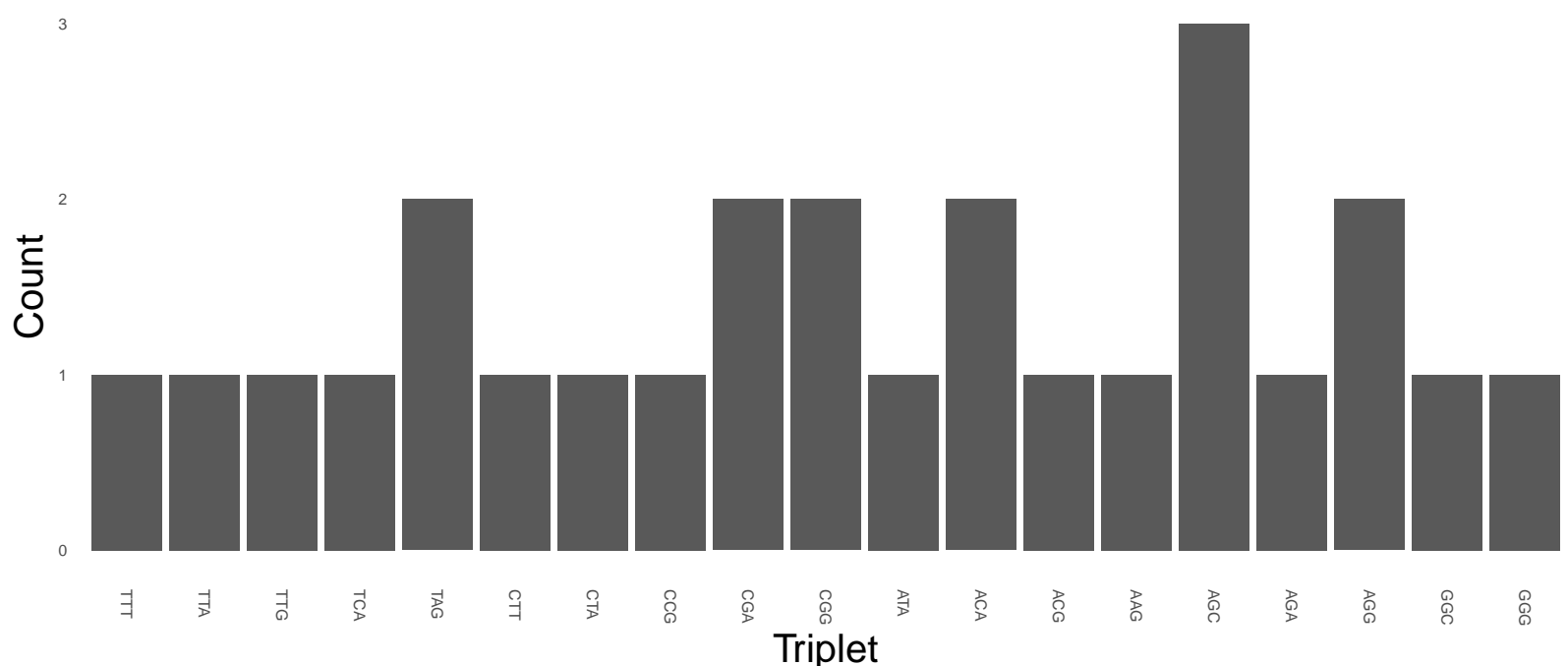
TRBV12-2\*ap01\_G301A- Final 3 nucleotides as a triplet



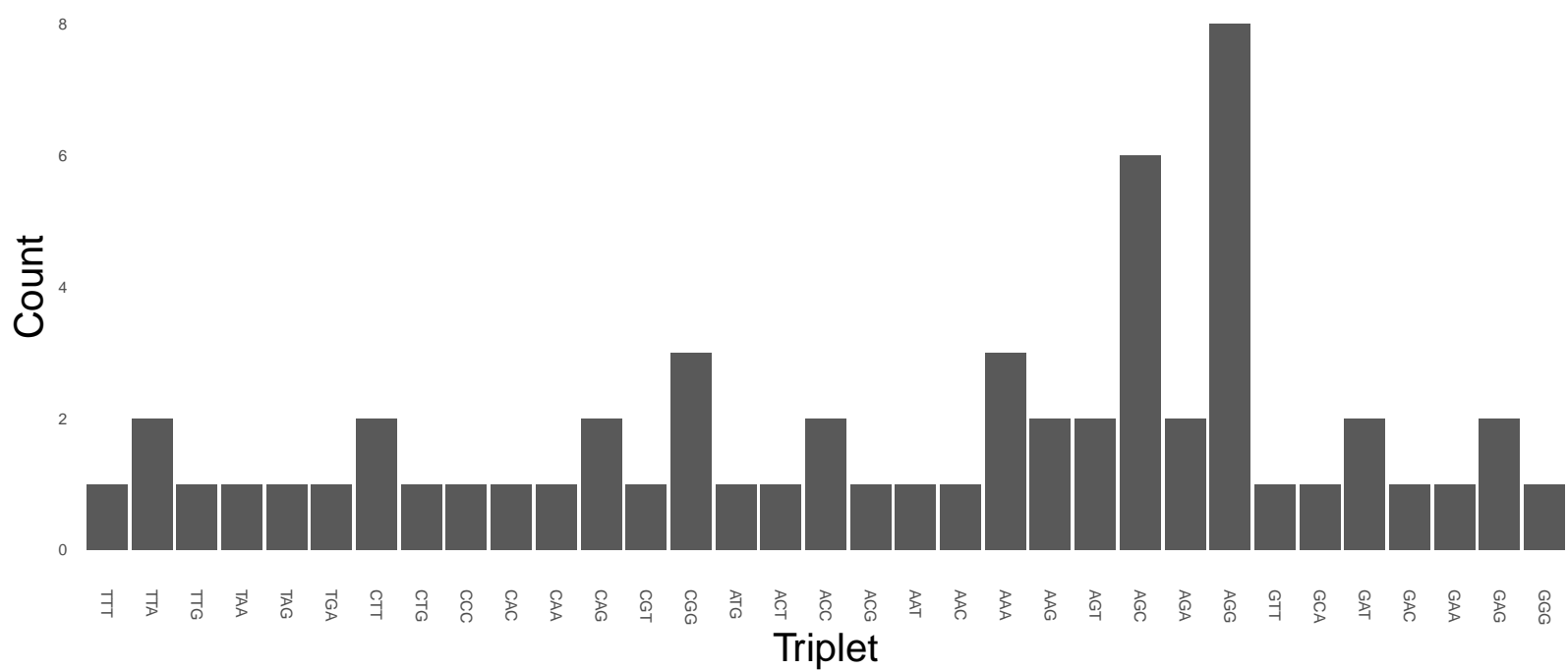
TRBV28\*ap01\_A297G- Final 3 nucleotides as a triplet



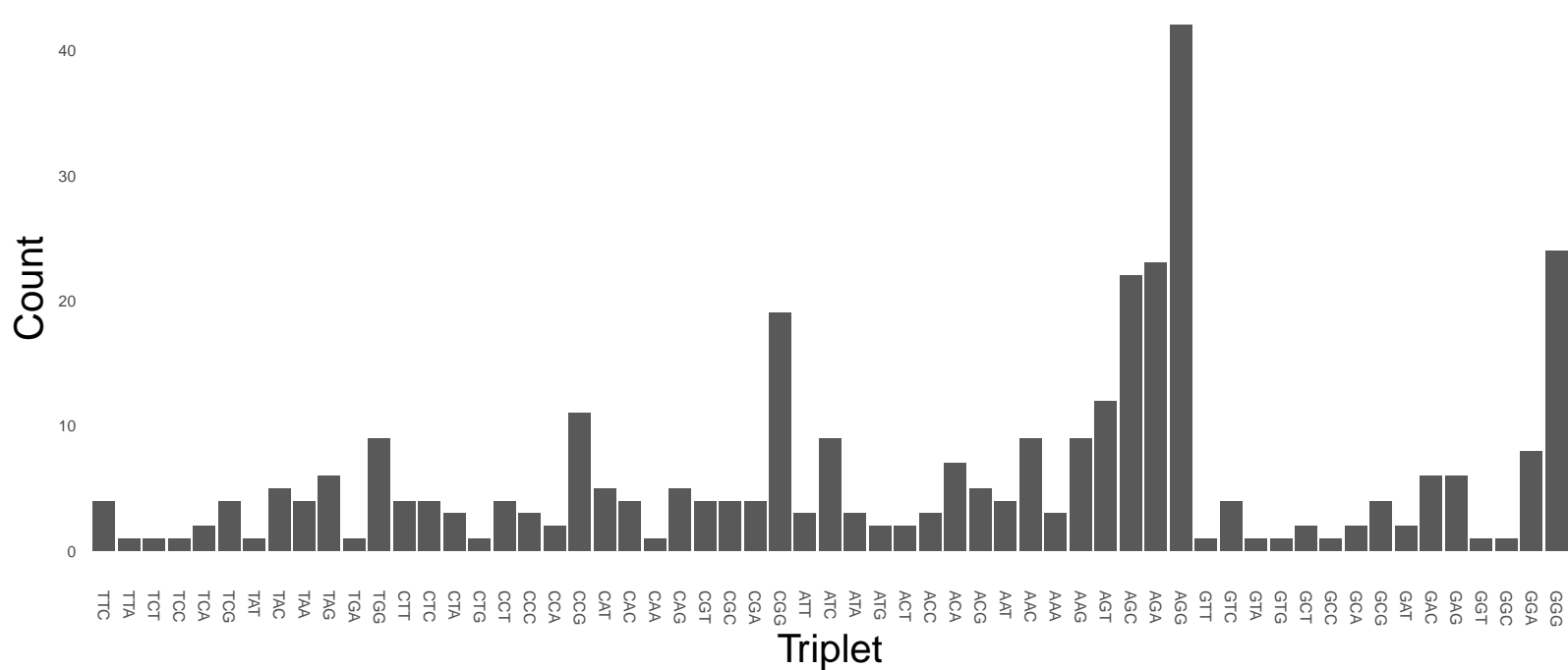
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

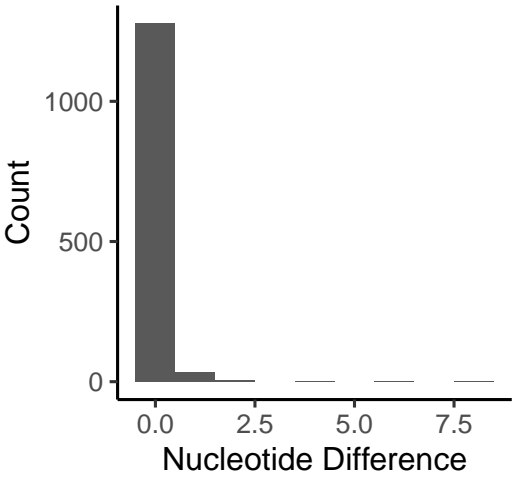


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



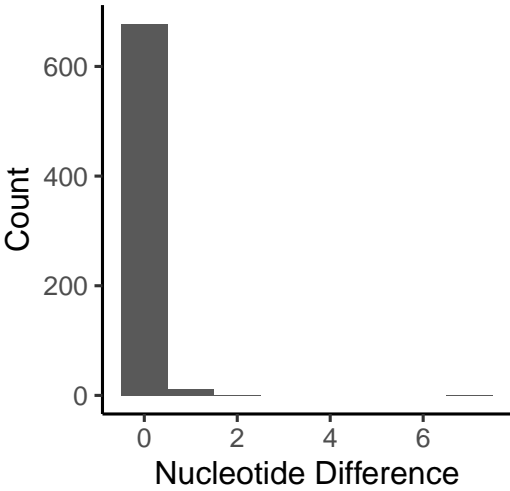
TRBV10-1\*ap01

1322 sequences assigned  
1278 (96.7%) exact matches, in which:  
1266 unique CDR3  
13 unique J



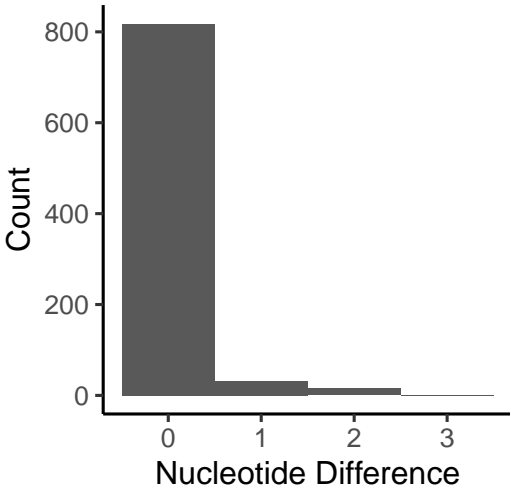
TRBV10-2\*ap01

692 sequences assigned  
678 (98%) exact matches, in which:  
668 unique CDR3  
13 unique J



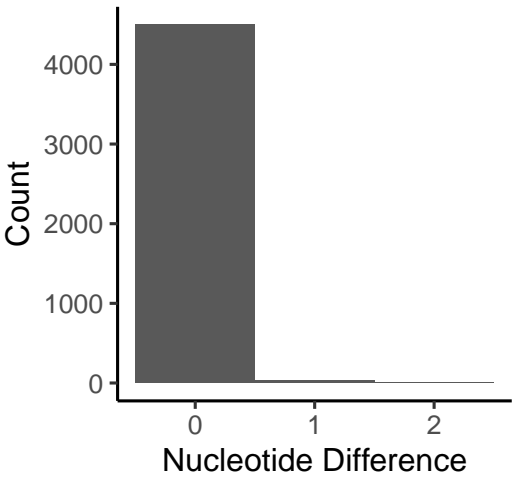
TRBV13\*ap01

865 sequences assigned  
818 (94.6%) exact matches, in which:  
810 unique CDR3  
13 unique J



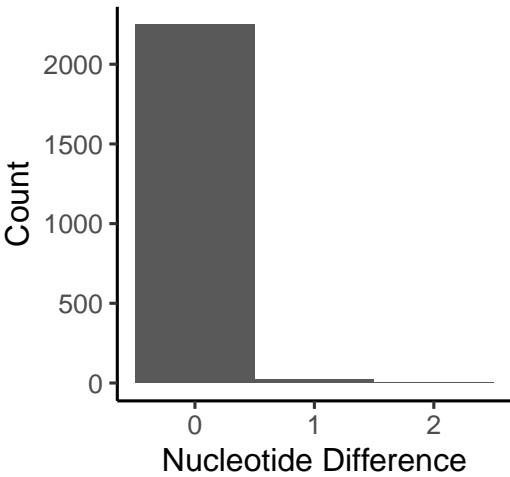
TRBV20-1\*ap01

4531 sequences assigned  
4498 (99.3%) exact matches, in which:  
4470 unique CDR3  
13 unique J



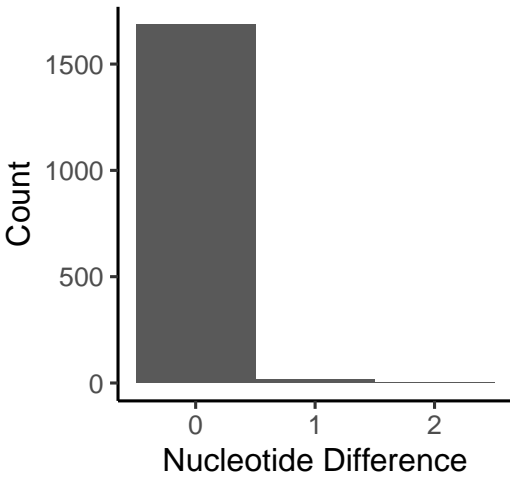
TRBV10-3\*ap01

2272 sequences assigned  
2248 (98.9%) exact matches, in which:  
2215 unique CDR3  
13 unique J



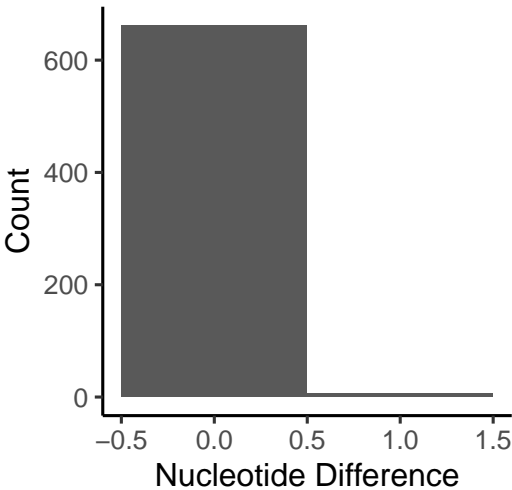
TRBV14\*ap01

1703 sequences assigned  
1685 (98.9%) exact matches, in which:  
1677 unique CDR3  
13 unique J



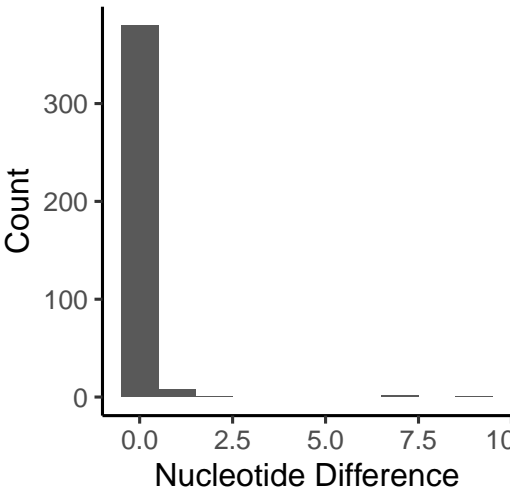
TRBV20-1\*ap02

668 sequences assigned  
662 (99.1%) exact matches, in which:  
658 unique CDR3  
13 unique J



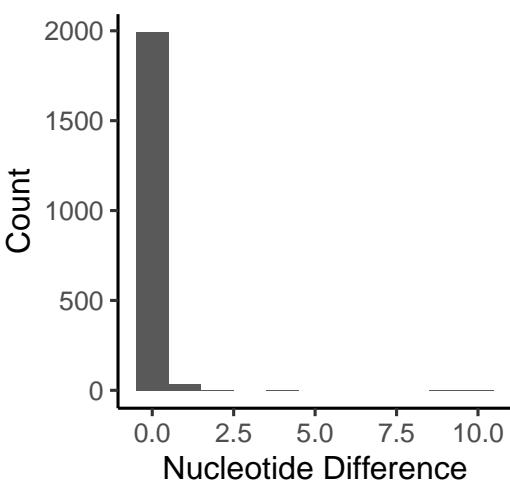
TRBV1\*ap01

392 sequences assigned  
380 (96.9%) exact matches, in which:  
369 unique CDR3  
13 unique J



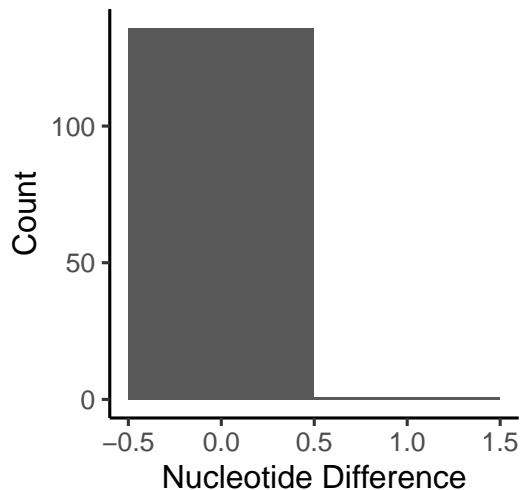
TRBV15\*ap02

2032 sequences assigned  
1993 (98.1%) exact matches, in which:  
1972 unique CDR3  
13 unique J



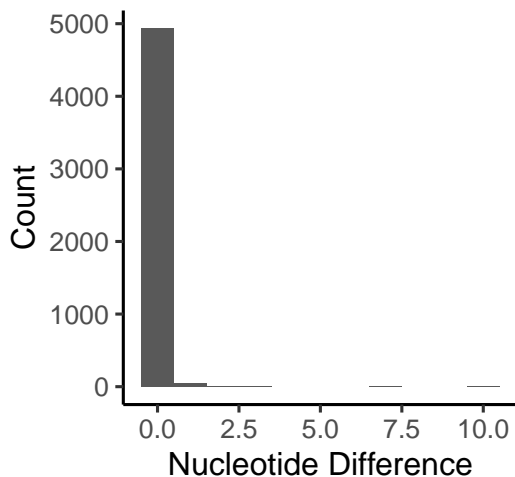
### TRBV16\*ap01

137 sequences assigned  
136 (99.3%) exact matches, in which:  
135 unique CDR3  
13 unique J



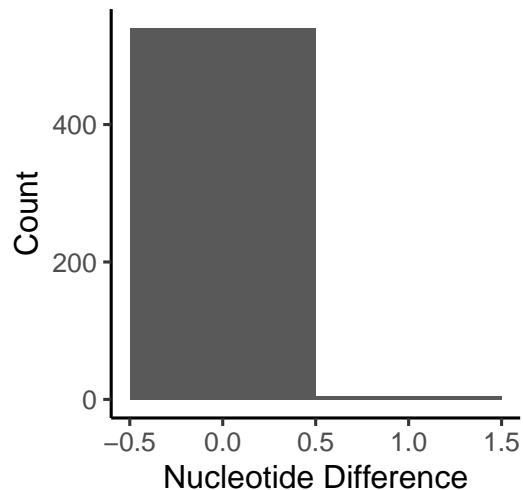
### TRBV19\*ap01

4989 sequences assigned  
4935 (98.9%) exact matches, in which:  
4916 unique CDR3  
13 unique J



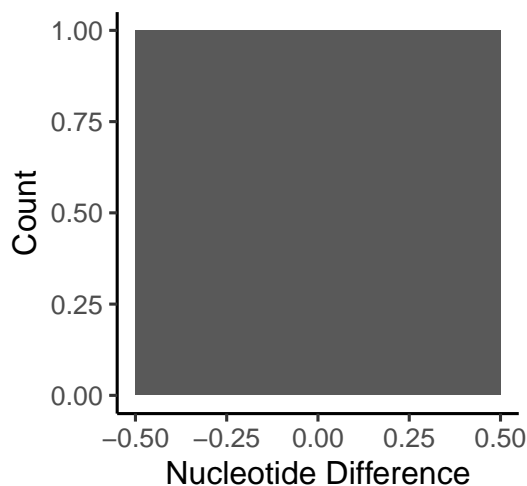
### TRBV28\*ap01

546 sequences assigned  
541 (99.1%) exact matches, in which:  
537 unique CDR3  
13 unique J



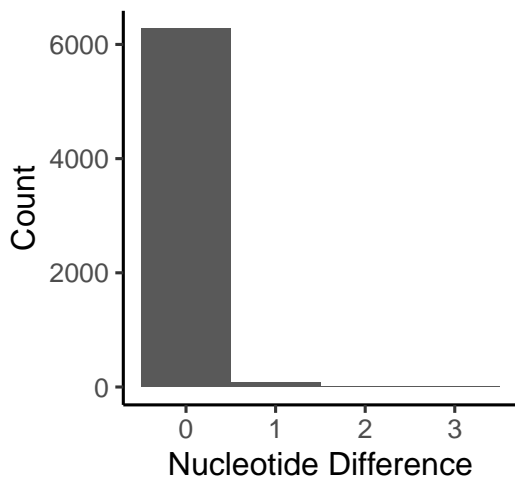
### TRBV17\*ap01

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



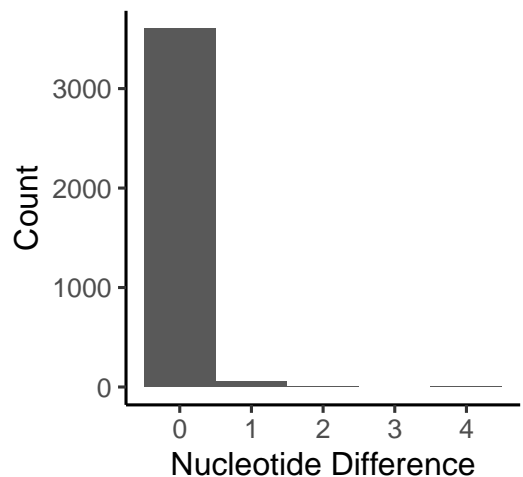
### TRBV2\*ap01

6363 sequences assigned  
6275 (98.6%) exact matches, in which:  
6206 unique CDR3  
13 unique J



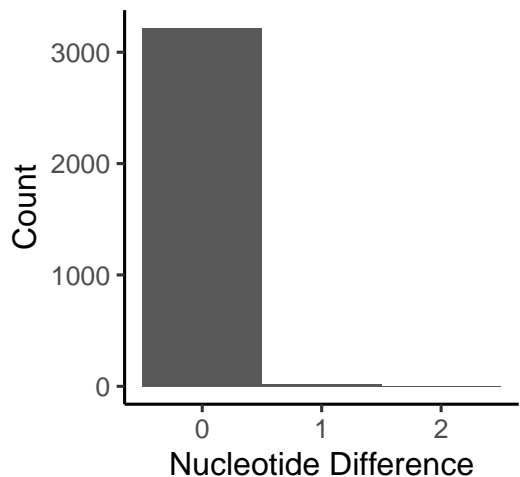
### TRBV28\*ap01\_A297G

3661 sequences assigned  
3602 (98.4%) exact matches, in which:  
3583 unique CDR3  
13 unique J



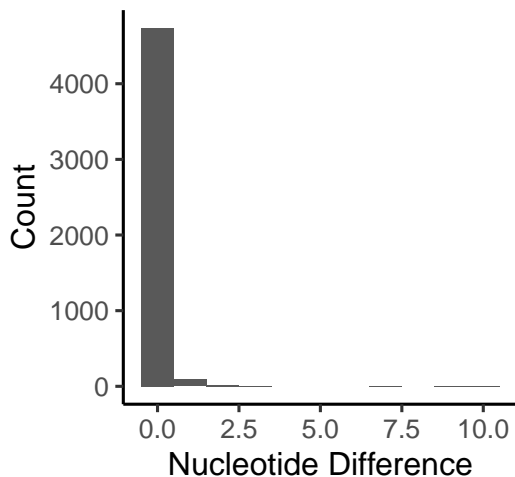
### TRBV18\*ap01

3239 sequences assigned  
3217 (99.3%) exact matches, in which:  
3205 unique CDR3  
13 unique J



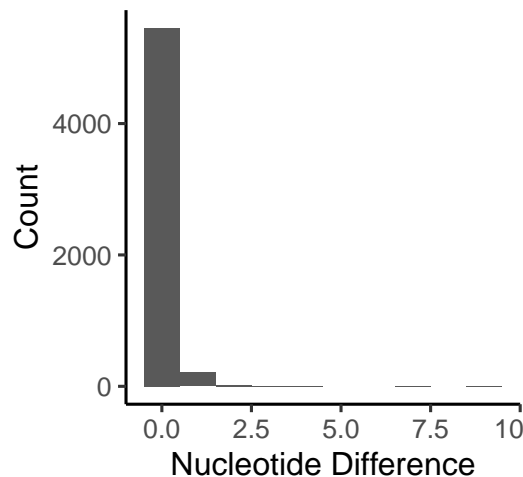
### TRBV27\*ap01

4846 sequences assigned  
4736 (97.7%) exact matches, in which:  
4685 unique CDR3  
13 unique J



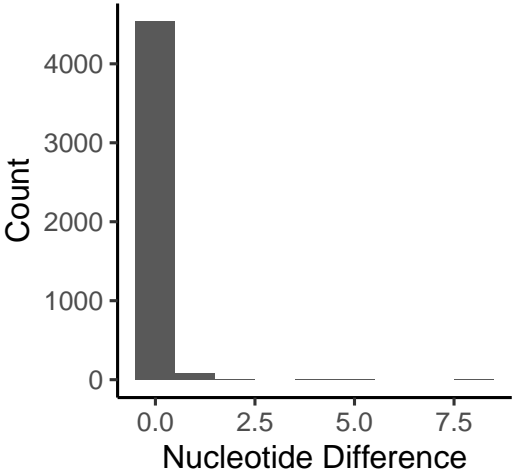
### TRBV30\*ap01

5695 sequences assigned  
5454 (95.8%) exact matches, in which:  
5295 unique CDR3  
13 unique J



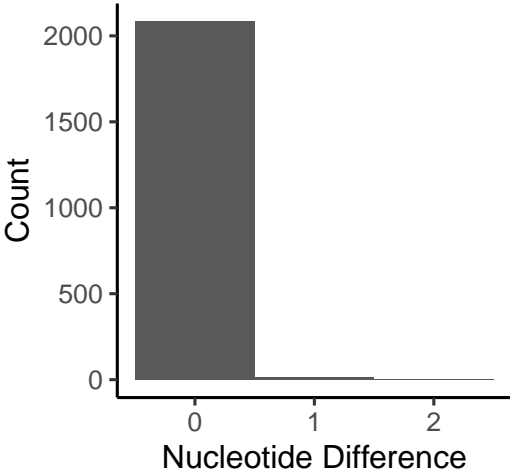
TRBV9\*ap01

4624 sequences assigned  
4537 (98.1%) exact matches, in which:  
4504 unique CDR3  
13 unique J



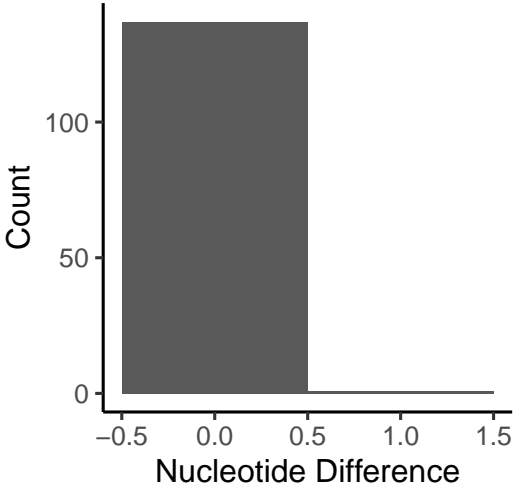
TRBV11-2\*ap01

2102 sequences assigned  
2084 (99.1%) exact matches, in which:  
2071 unique CDR3  
13 unique J



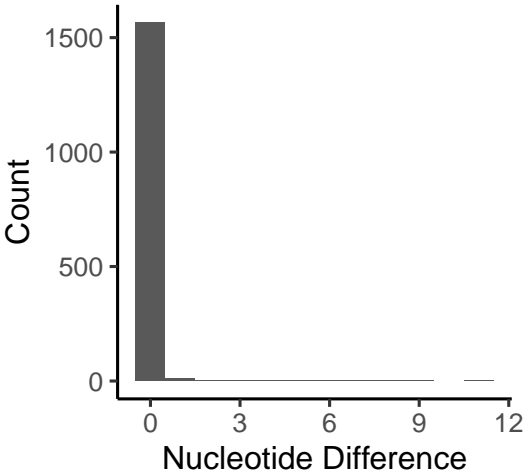
TRBV12-2\*ap01

138 sequences assigned  
137 (99.3%) exact matches, in which:  
133 unique CDR3  
12 unique J



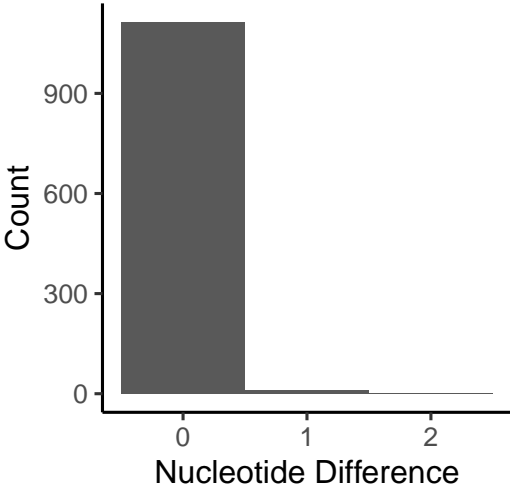
TRBV21-1\*ap01

1588 sequences assigned  
1565 (98.6%) exact matches, in which:  
1558 unique CDR3  
13 unique J



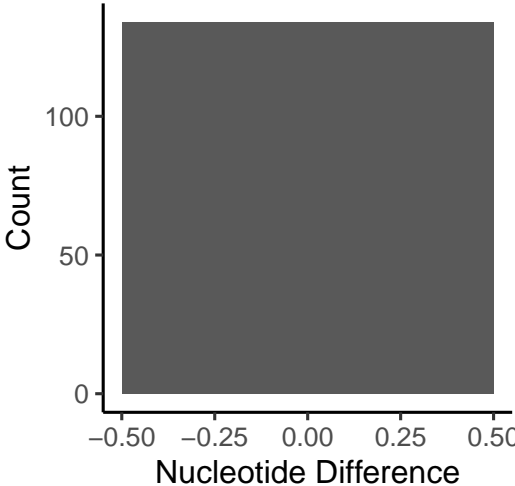
TRBV11-3\*ap01

1125 sequences assigned  
1114 (99%) exact matches, in which:  
1111 unique CDR3  
13 unique J



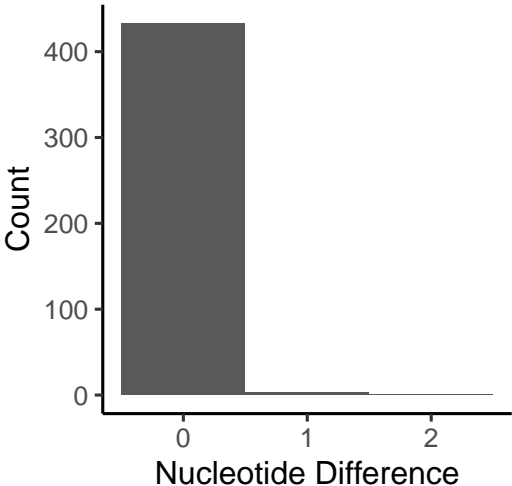
TRBV12-2\*ap01\_G301A

134 sequences assigned  
134 (100%) exact matches, in which:  
134 unique CDR3  
13 unique J



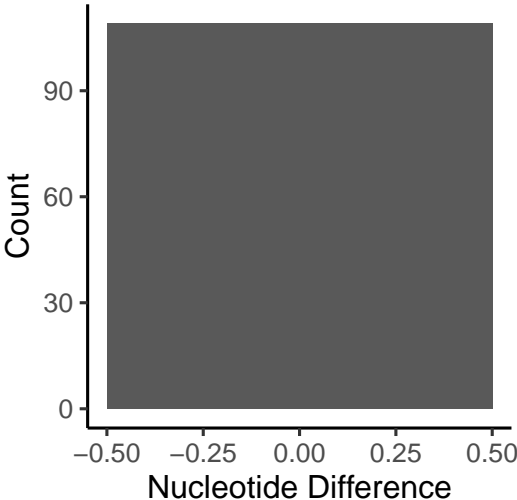
TRBV11-1\*ap01

437 sequences assigned  
433 (99.1%) exact matches, in which:  
431 unique CDR3  
13 unique J



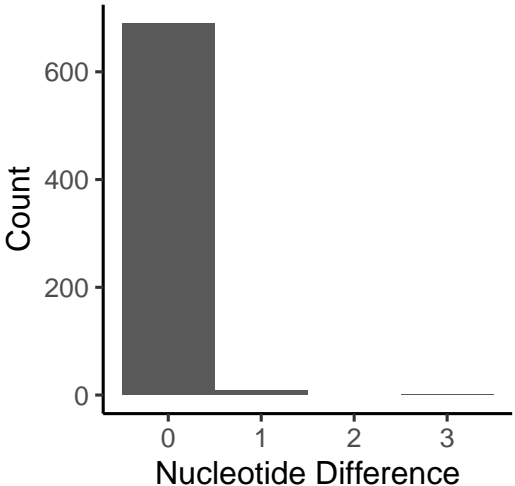
TRBV12-1\*ap01

109 sequences assigned  
109 (100%) exact matches, in which:  
109 unique CDR3  
12 unique J



TRBV12-5\*ap01

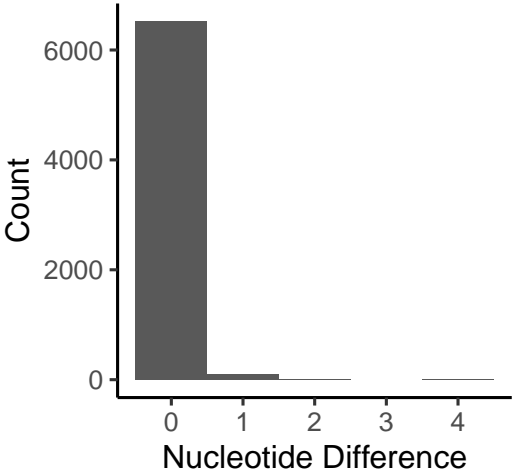
699 sequences assigned  
690 (98.7%) exact matches, in which:  
685 unique CDR3  
13 unique J





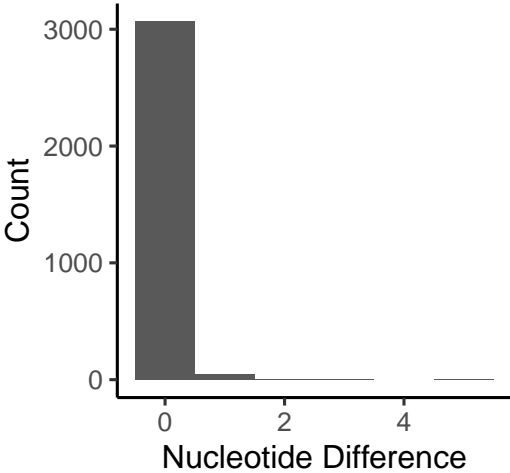
TRBV12-34\*ap01

6617 sequences assigned  
6520 (98.5%) exact matches, in which:  
6446 unique CDR3  
13 unique J



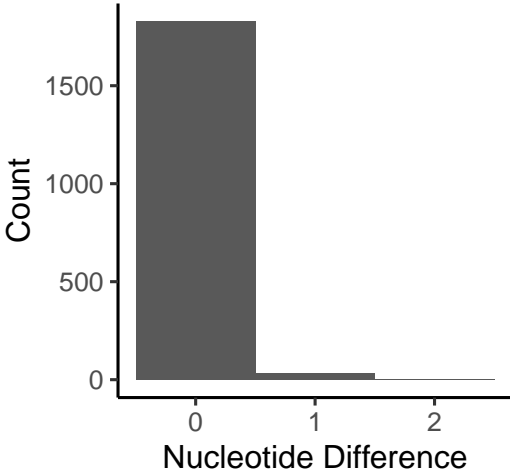
TRBV24-1\*ap01

3125 sequences assigned  
3067 (98.1%) exact matches, in which:  
3036 unique CDR3  
13 unique J



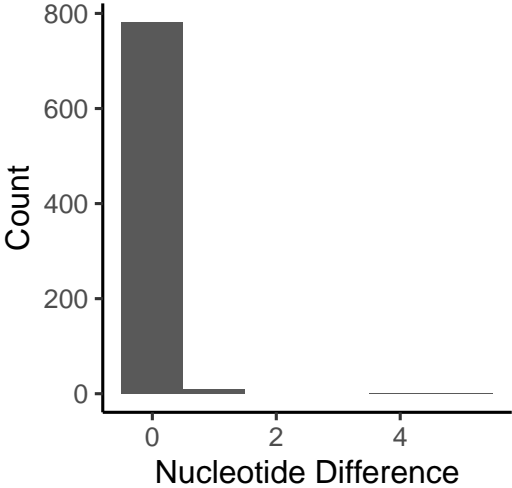
TRBV4-3\*ap01

1865 sequences assigned  
1828 (98%) exact matches, in which:  
1802 unique CDR3  
13 unique J



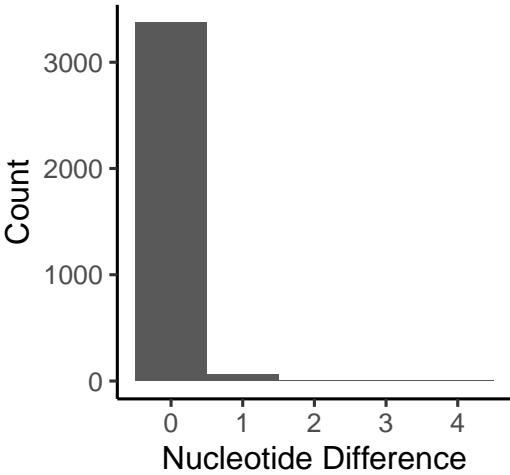
TRBV23-1\*ap01

793 sequences assigned  
782 (98.6%) exact matches, in which:  
779 unique CDR3  
13 unique J



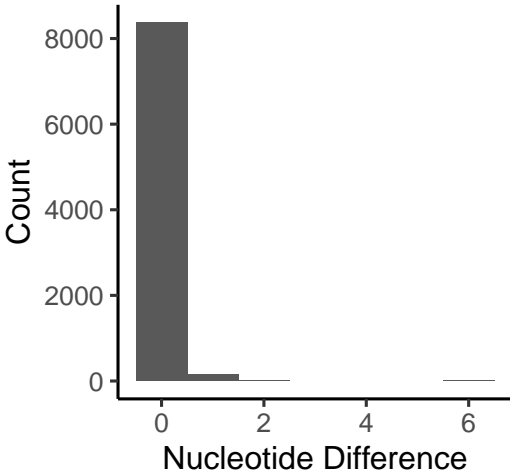
TRBV4-1\*ap01

3439 sequences assigned  
3372 (98.1%) exact matches, in which:  
3329 unique CDR3  
13 unique J



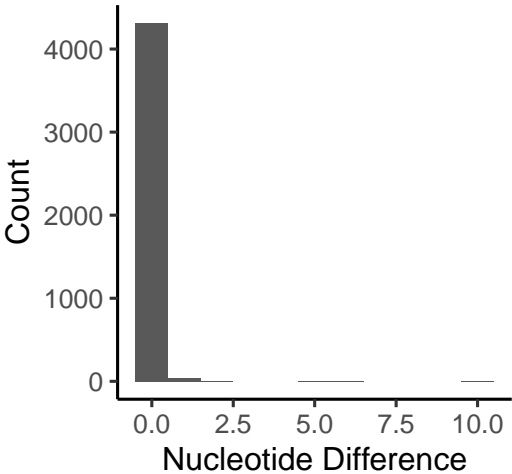
TRBV5-1\*ap01

8533 sequences assigned  
8369 (98.1%) exact matches, in which:  
8266 unique CDR3  
13 unique J



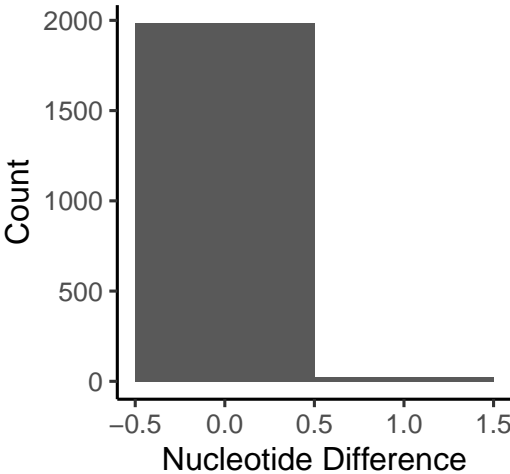
TRBV3-12\*ap01

4361 sequences assigned  
4313 (98.9%) exact matches, in which:  
4290 unique CDR3  
13 unique J



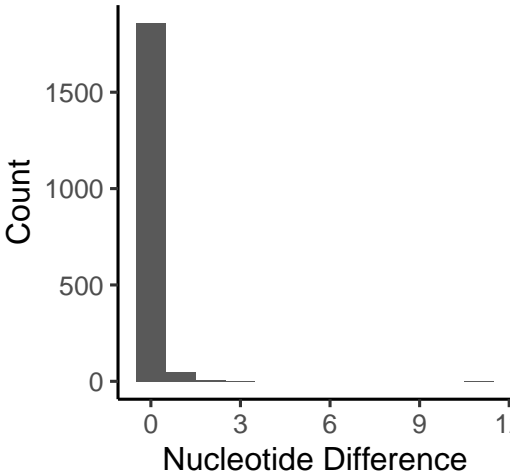
TRBV4-2\*ap01

2009 sequences assigned  
1985 (98.8%) exact matches, in which:  
1961 unique CDR3  
13 unique J



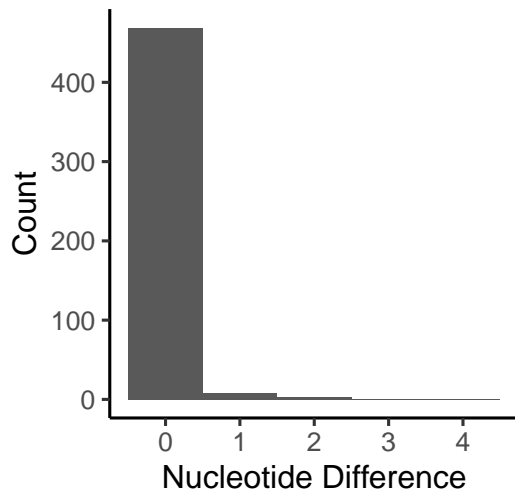
TRBV25-1\*ap01

1916 sequences assigned  
1859 (97%) exact matches, in which:  
1808 unique CDR3  
13 unique J



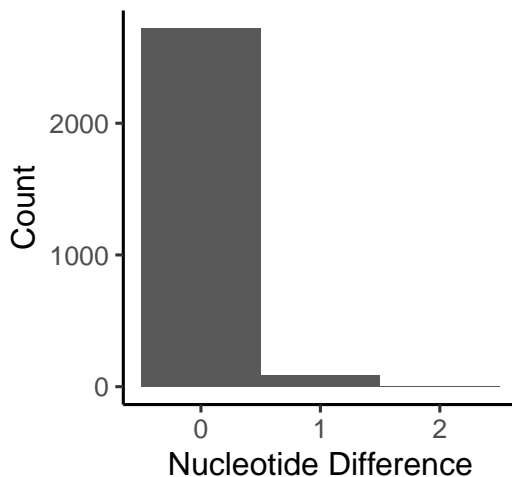
### TRBV5-3\*ap01

482 sequences assigned  
469 (97.3%) exact matches, in which:  
465 unique CDR3  
13 unique J



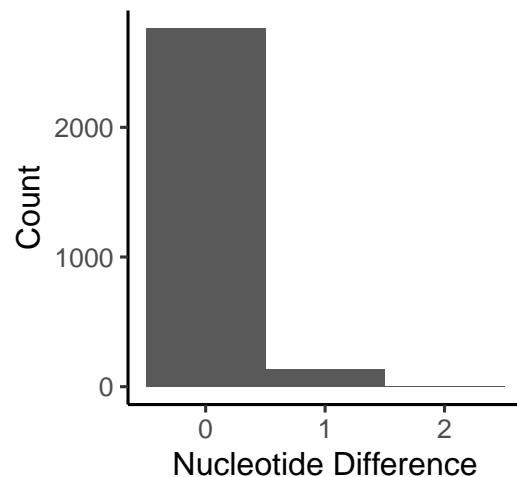
### TRBV5-6\*ap01

2808 sequences assigned  
2720 (96.9%) exact matches, in which:  
2665 unique CDR3  
13 unique J



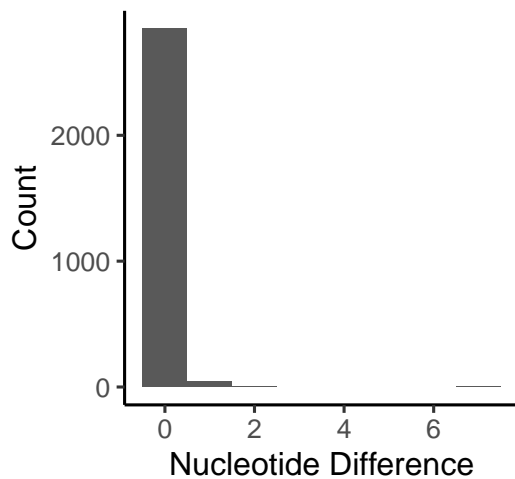
### TRBV6-1\*ap01

2904 sequences assigned  
2763 (95.1%) exact matches, in which:  
2730 unique CDR3  
13 unique J



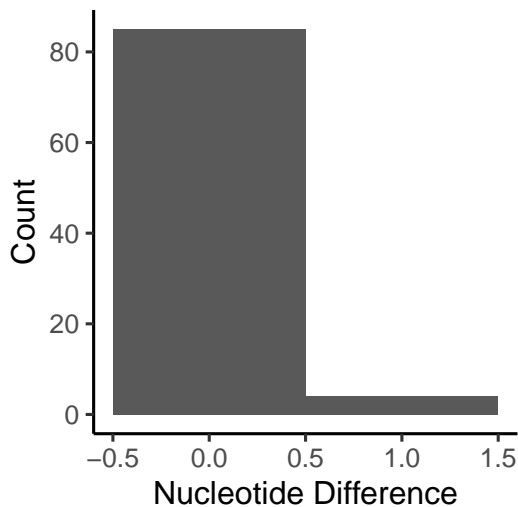
### TRBV5-4\*ap01

2891 sequences assigned  
2847 (98.5%) exact matches, in which:  
2814 unique CDR3  
13 unique J



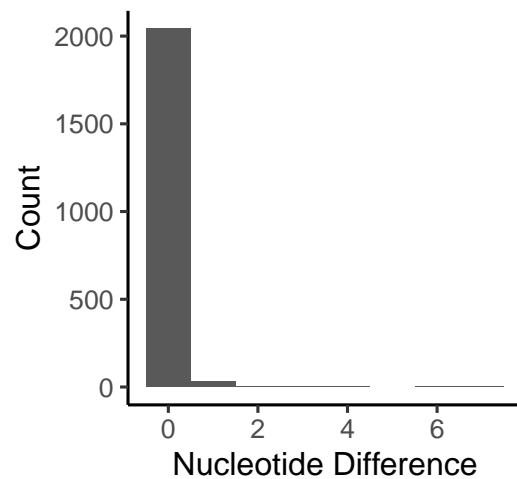
### TRBV5-7\*ap01

89 sequences assigned  
85 (95.5%) exact matches, in which:  
85 unique CDR3  
13 unique J



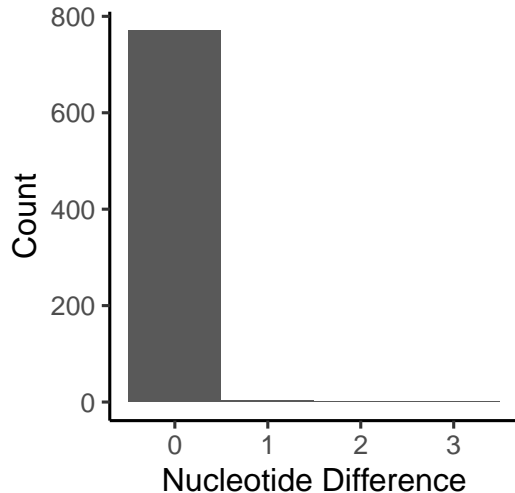
### TRBV6-4\*ap01

2086 sequences assigned  
2042 (97.9%) exact matches, in which:  
2023 unique CDR3  
13 unique J



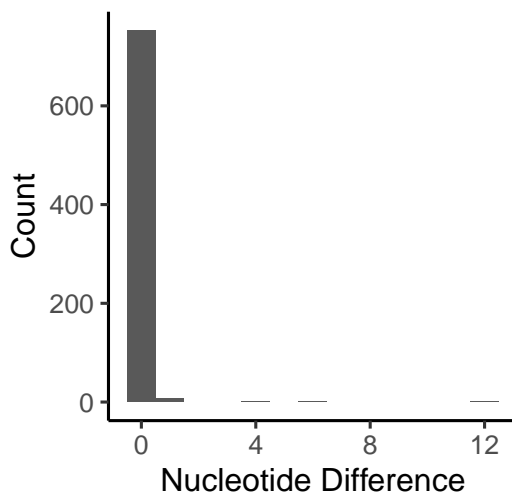
### TRBV5-5\*ap01

777 sequences assigned  
771 (99.2%) exact matches, in which:  
767 unique CDR3  
13 unique J



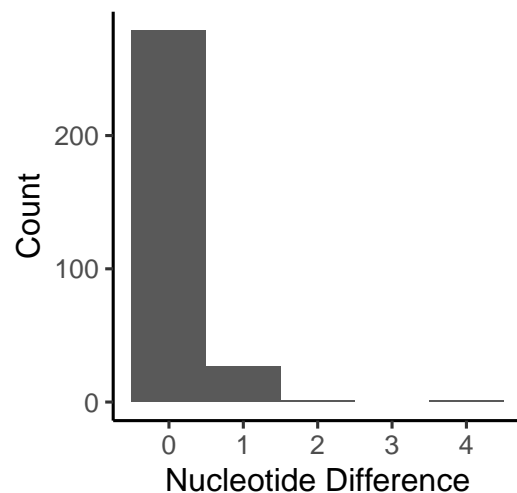
### TRBV5-8\*ap01

765 sequences assigned  
753 (98.4%) exact matches, in which:  
745 unique CDR3  
13 unique J



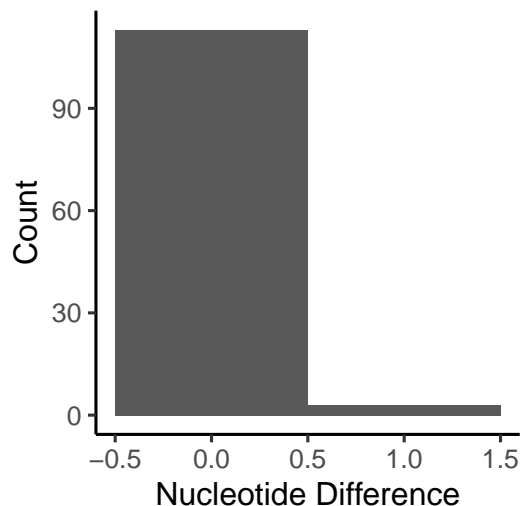
### TRBV6-7\*ap01

308 sequences assigned  
279 (90.6%) exact matches, in which:  
265 unique CDR3  
13 unique J



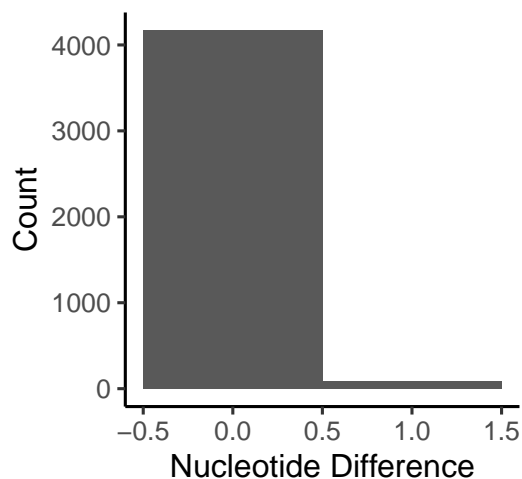
### TRBV6–8\*ap01

116 sequences assigned  
113 (97.4%) exact matches, in which:  
111 unique CDR3  
12 unique J



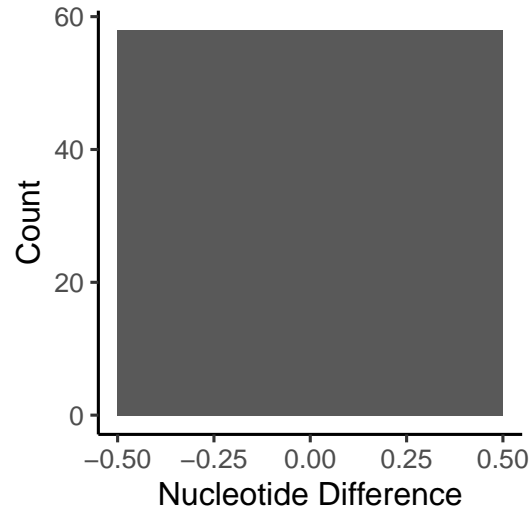
### TRBV6–56\*ap01

4255 sequences assigned  
4169 (98%) exact matches, in which:  
4079 unique CDR3  
14 unique J



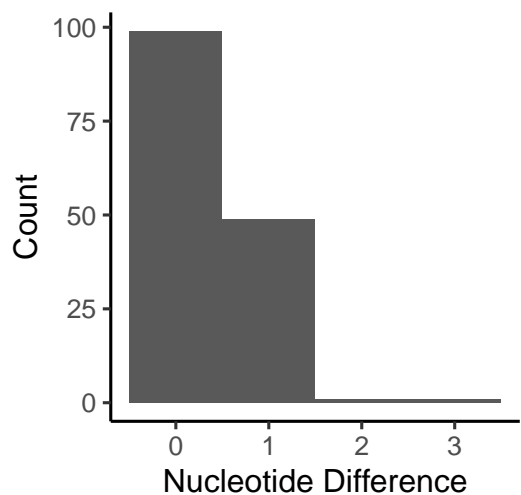
### TRBV7–1\*ap01\_G291C\_T

58 sequences assigned  
58 (100%) exact matches, in which:  
58 unique CDR3  
12 unique J



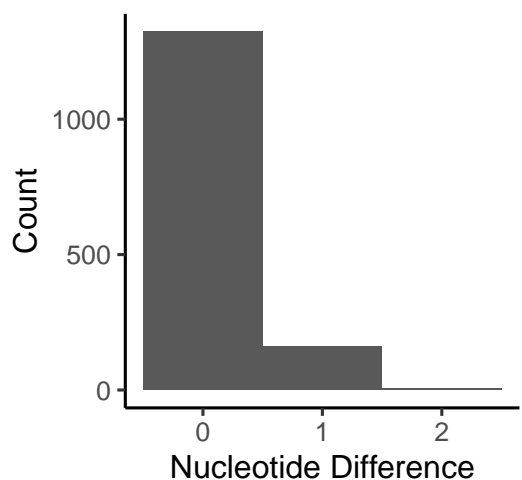
### TRBV6–9\*ap01

150 sequences assigned  
99 (66%) exact matches, in which:  
96 unique CDR3  
13 unique J



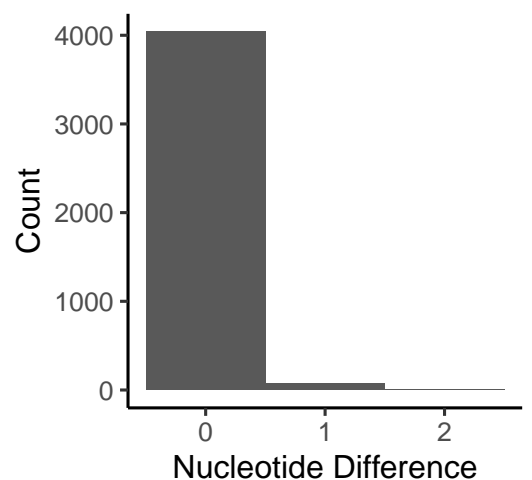
### TRBV6–56\*ap02

1488 sequences assigned  
1323 (88.9%) exact matches, in which:  
1296 unique CDR3  
13 unique J



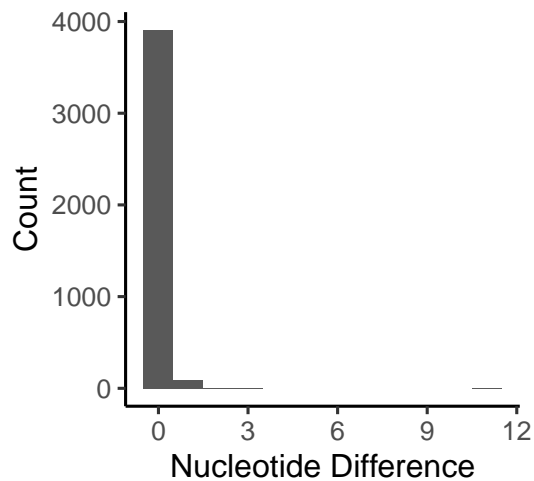
### TRBV7–2\*ap01

4112 sequences assigned  
4040 (98.2%) exact matches, in which:  
4011 unique CDR3  
13 unique J



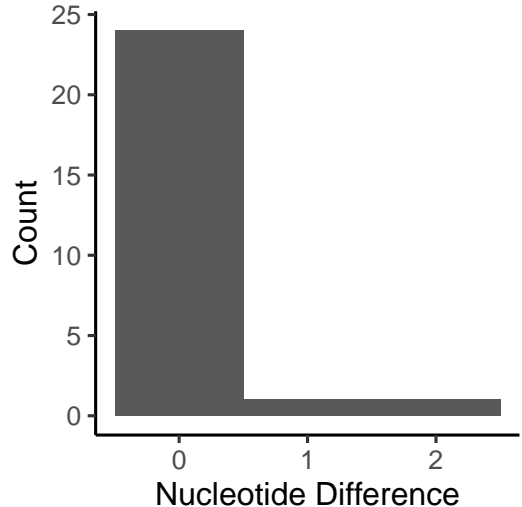
### TRBV6–23\*ap01

4009 sequences assigned  
3907 (97.5%) exact matches, in which:  
3824 unique CDR3  
13 unique J



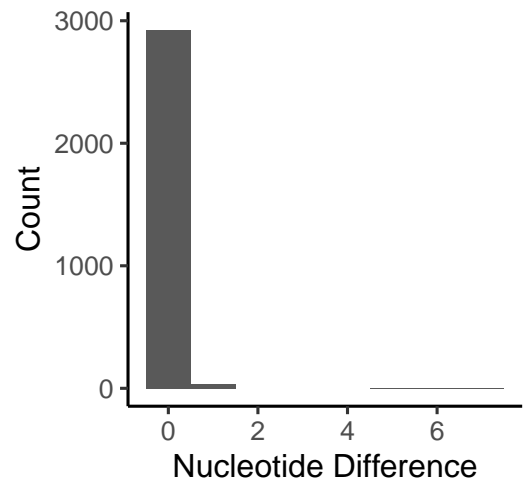
### TRBV7–1\*ap01\_G291C\_T

26 sequences assigned  
24 (92.3%) exact matches, in which:  
24 unique CDR3  
11 unique J



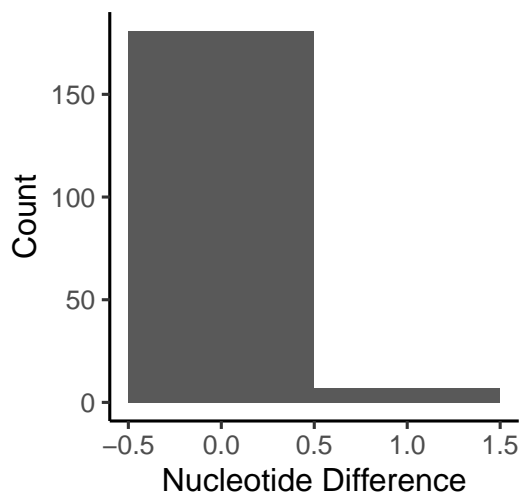
### TRBV7–3\*ap01

2964 sequences assigned  
2924 (98.7%) exact matches, in which:  
2899 unique CDR3  
13 unique J



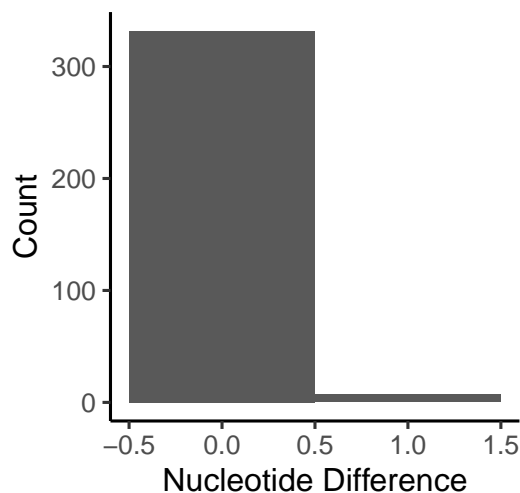
### TRBV7-4\*ap01

188 sequences assigned  
181 (96.3%) exact matches, in which:  
177 unique CDR3  
13 unique J



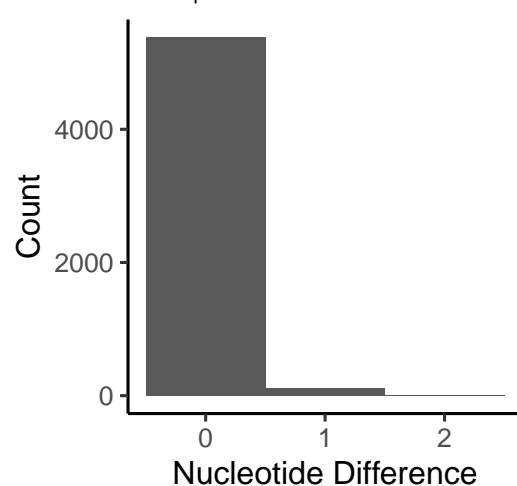
### TRBV7-7\*ap01\_C315T

339 sequences assigned  
332 (97.9%) exact matches, in which:  
328 unique CDR3  
13 unique J



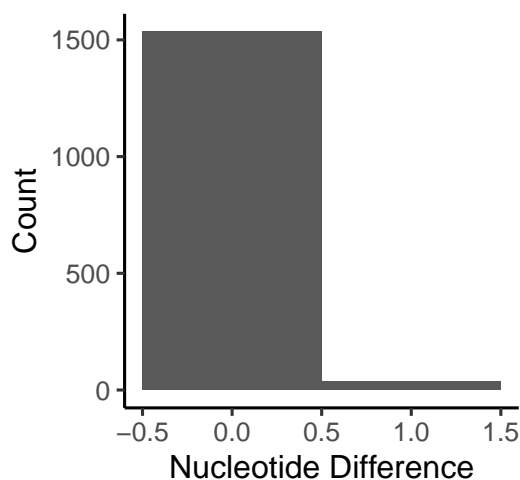
### TRBV7-9\*ap01

5506 sequences assigned  
5380 (97.7%) exact matches, in which:  
5326 unique CDR3  
13 unique J



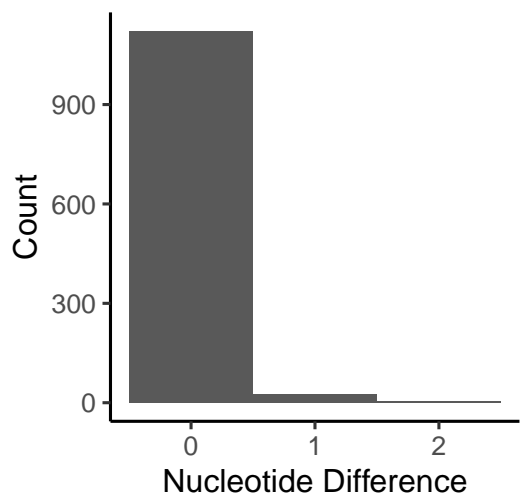
### TRBV7-6\*ap01

1570 sequences assigned  
1535 (97.8%) exact matches, in which:  
1511 unique CDR3  
13 unique J



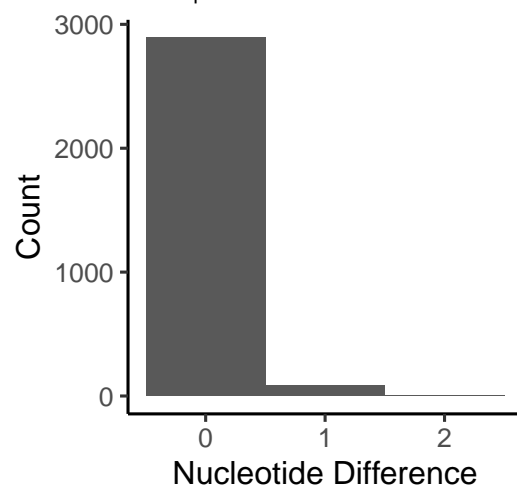
### TRBV7-8\*ap01

1152 sequences assigned  
1122 (97.4%) exact matches, in which:  
1114 unique CDR3  
13 unique J



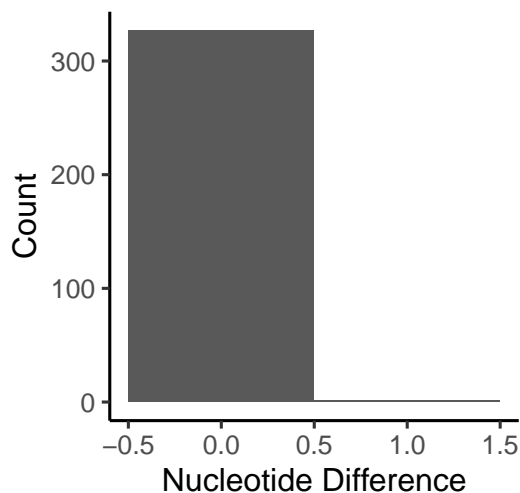
### TRBV29-1\*ap01

2976 sequences assigned  
2892 (97.2%) exact matches, in which:  
2817 unique CDR3  
13 unique J



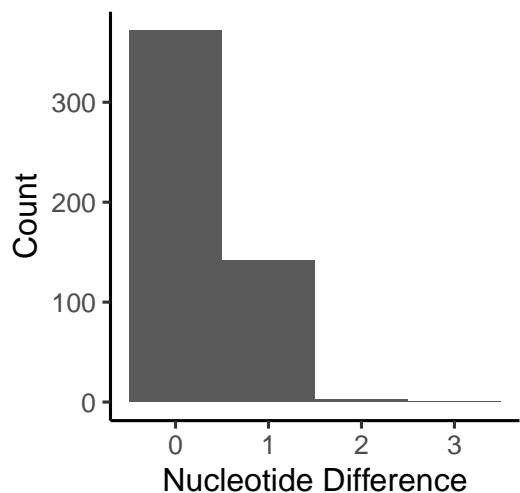
### TRBV7-7\*ap01

328 sequences assigned  
327 (99.7%) exact matches, in which:  
324 unique CDR3  
12 unique J



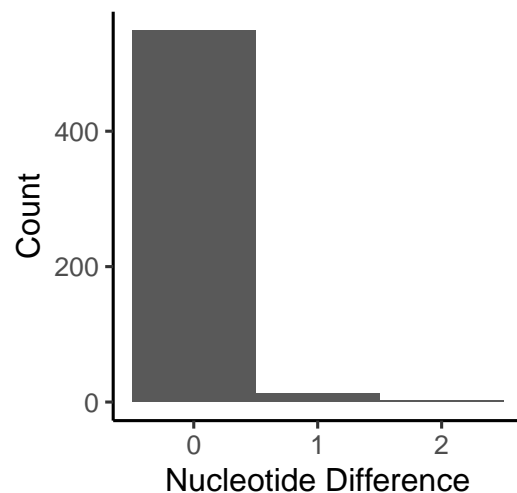
### TRBV7-8\*ap03

518 sequences assigned  
372 (71.8%) exact matches, in which:  
372 unique CDR3  
13 unique J

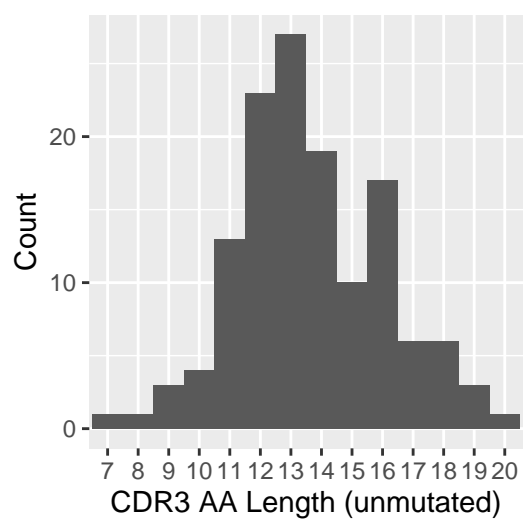


### TRBV29-1\*ap02

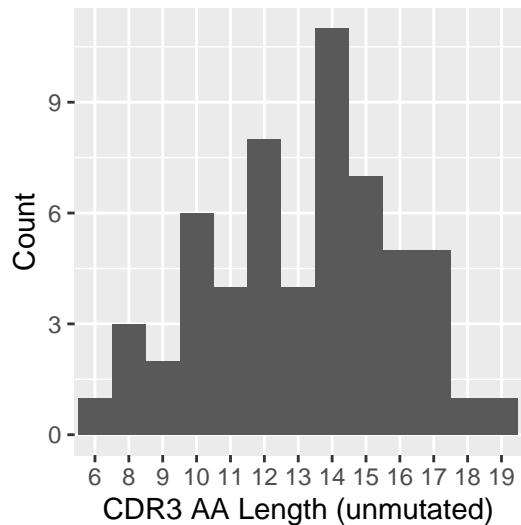
563 sequences assigned  
549 (97.5%) exact matches, in which:  
529 unique CDR3  
13 unique J



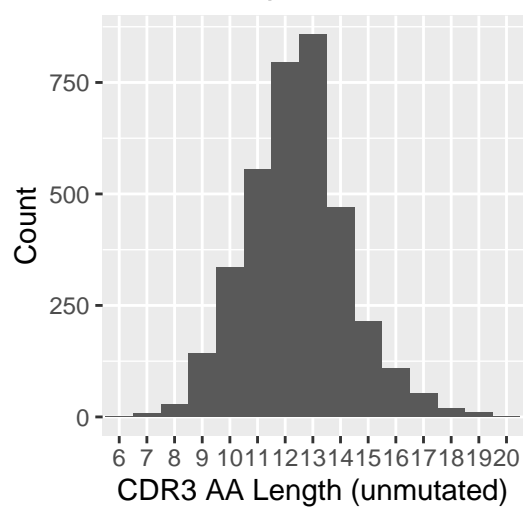
TRBV12-2\*ap01\_G301A



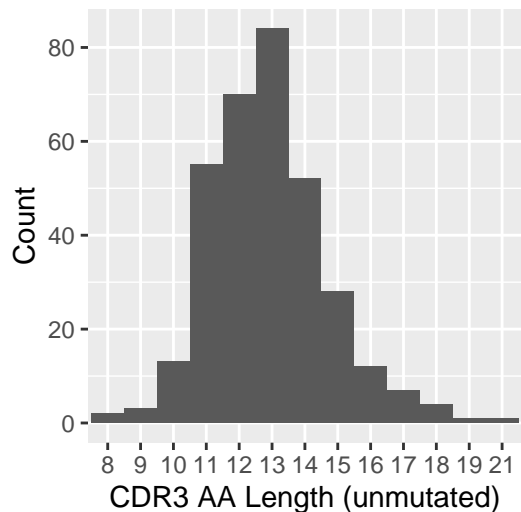
TRBV7-1\*ap01\_G291C\_T296C\_C314T



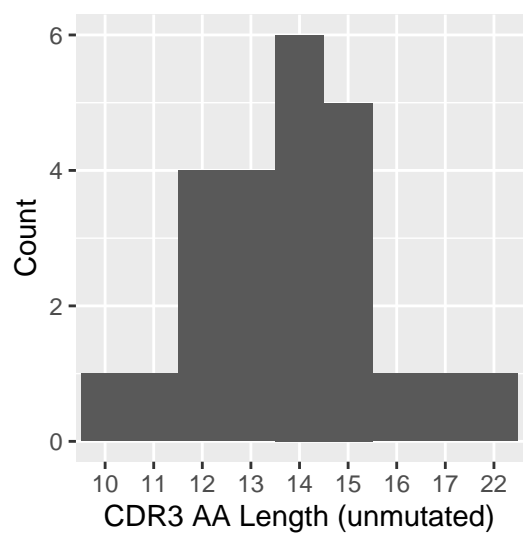
TRBV28\*ap01\_A297G

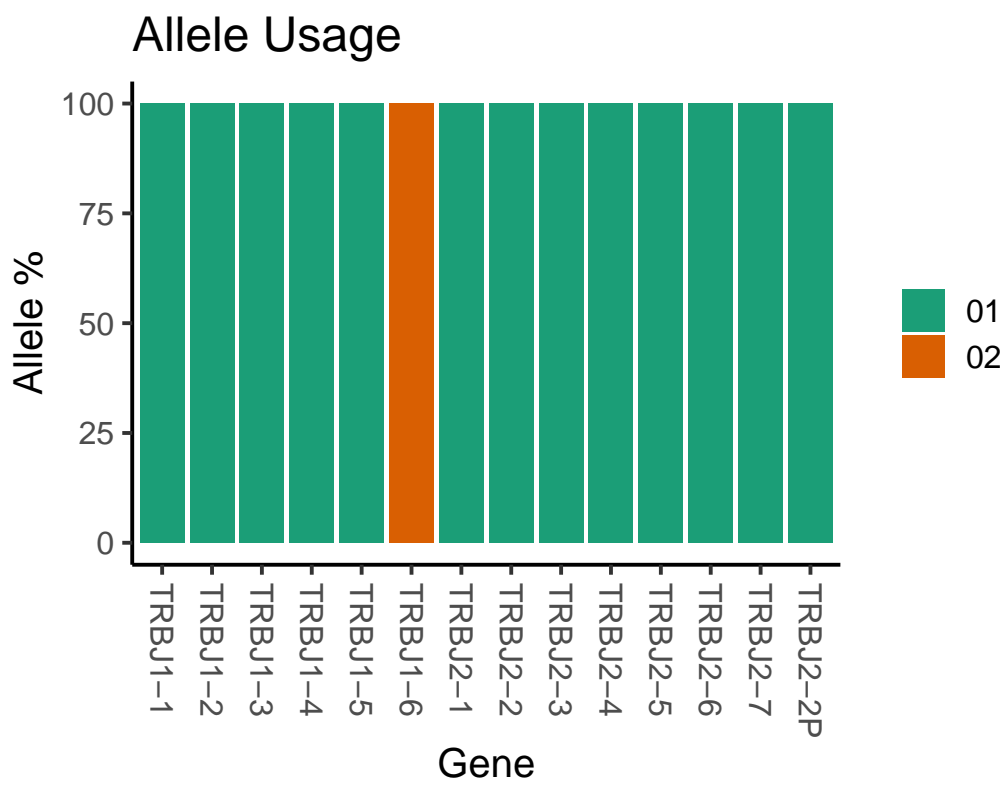


TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C





Warning – no inferred sequences found.