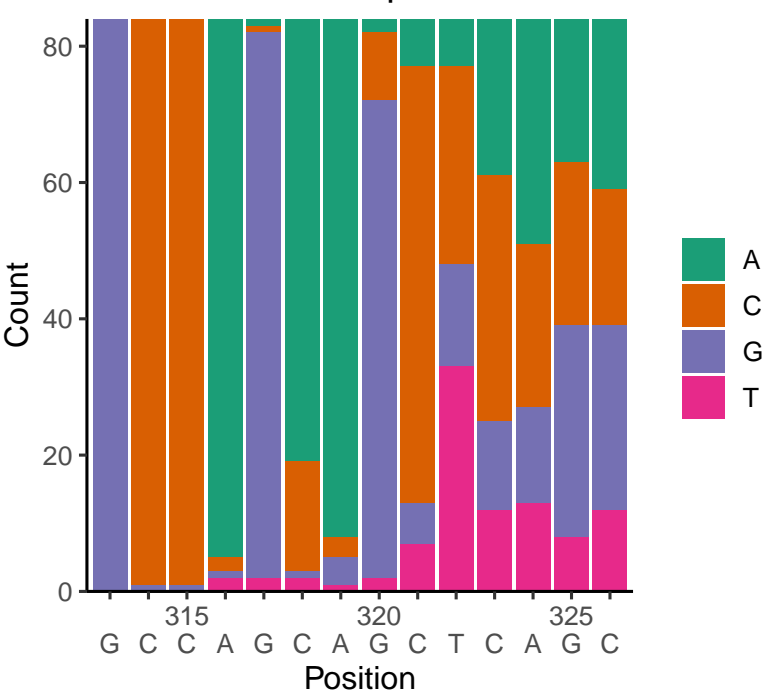
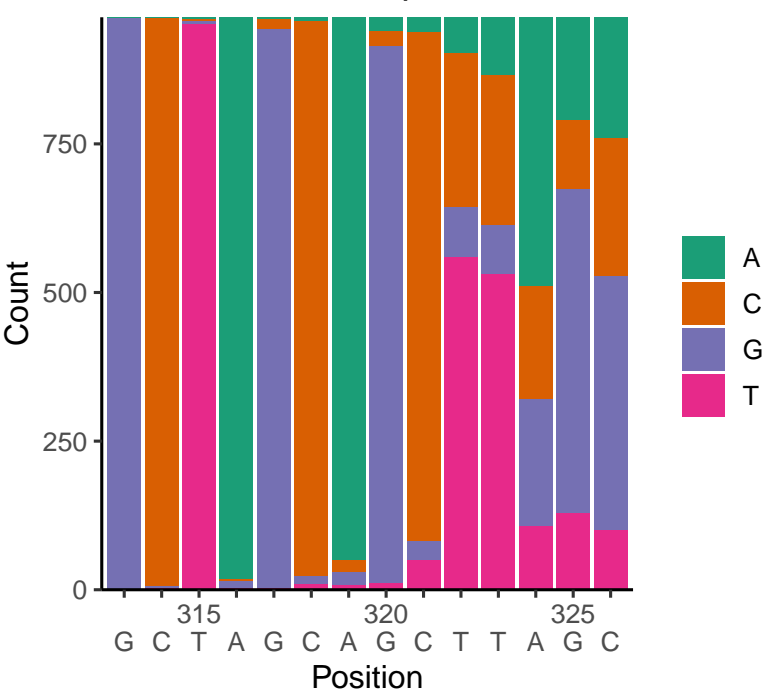


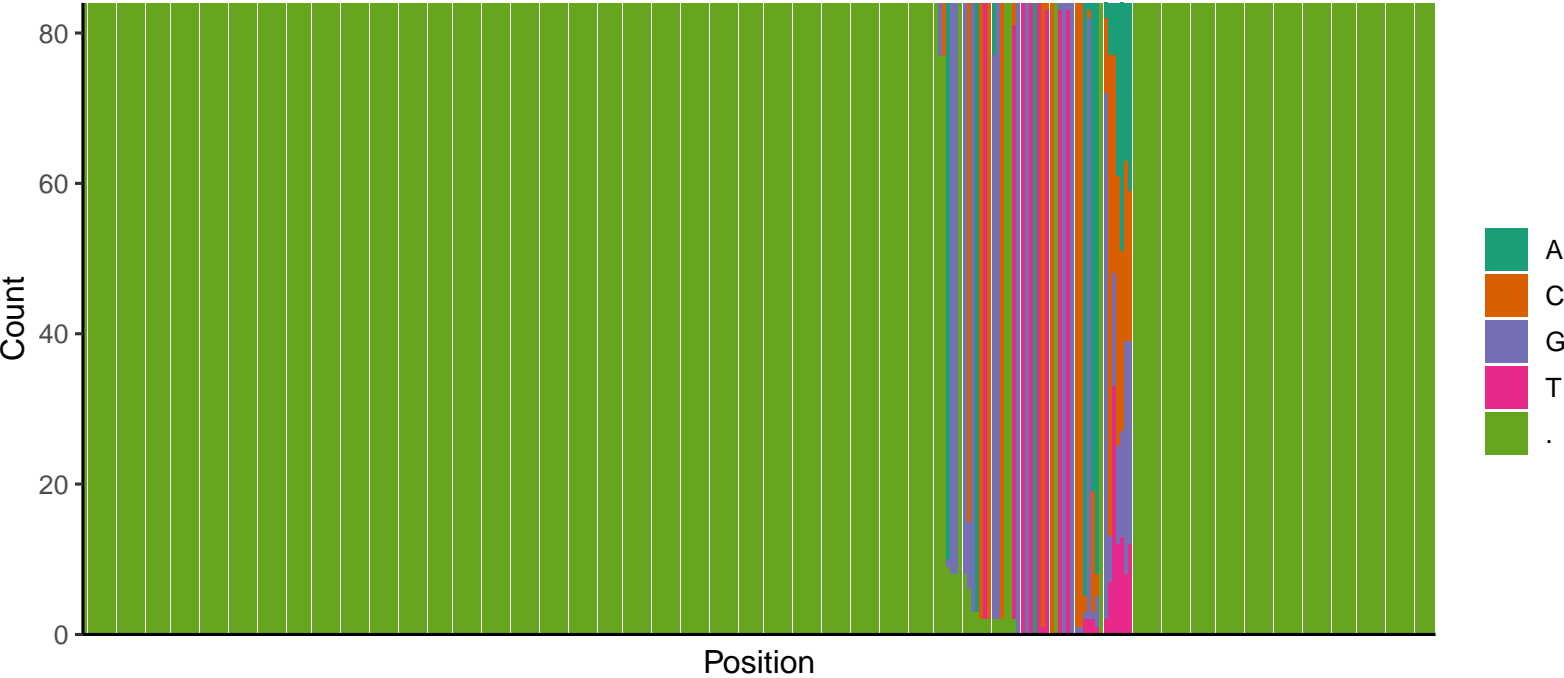
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



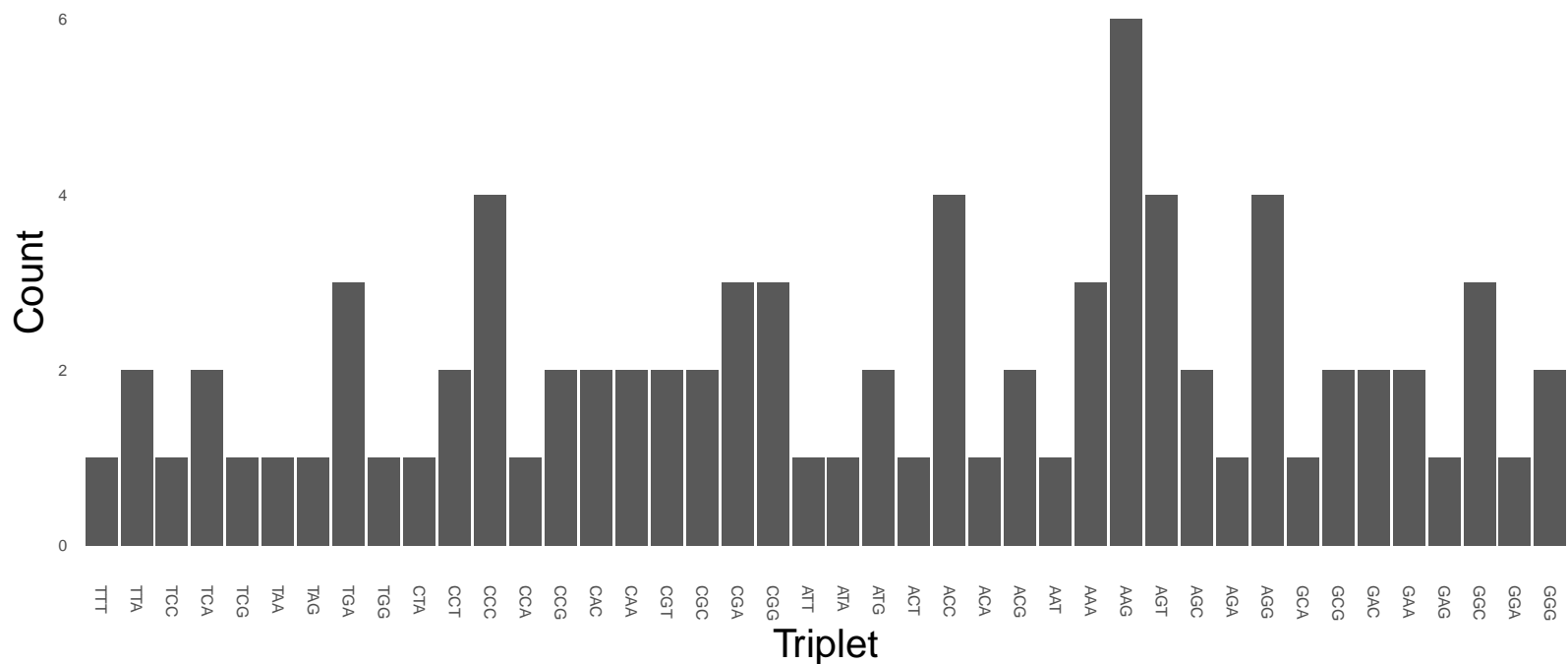
Gene TRBV7-1\*ap01\_T296C



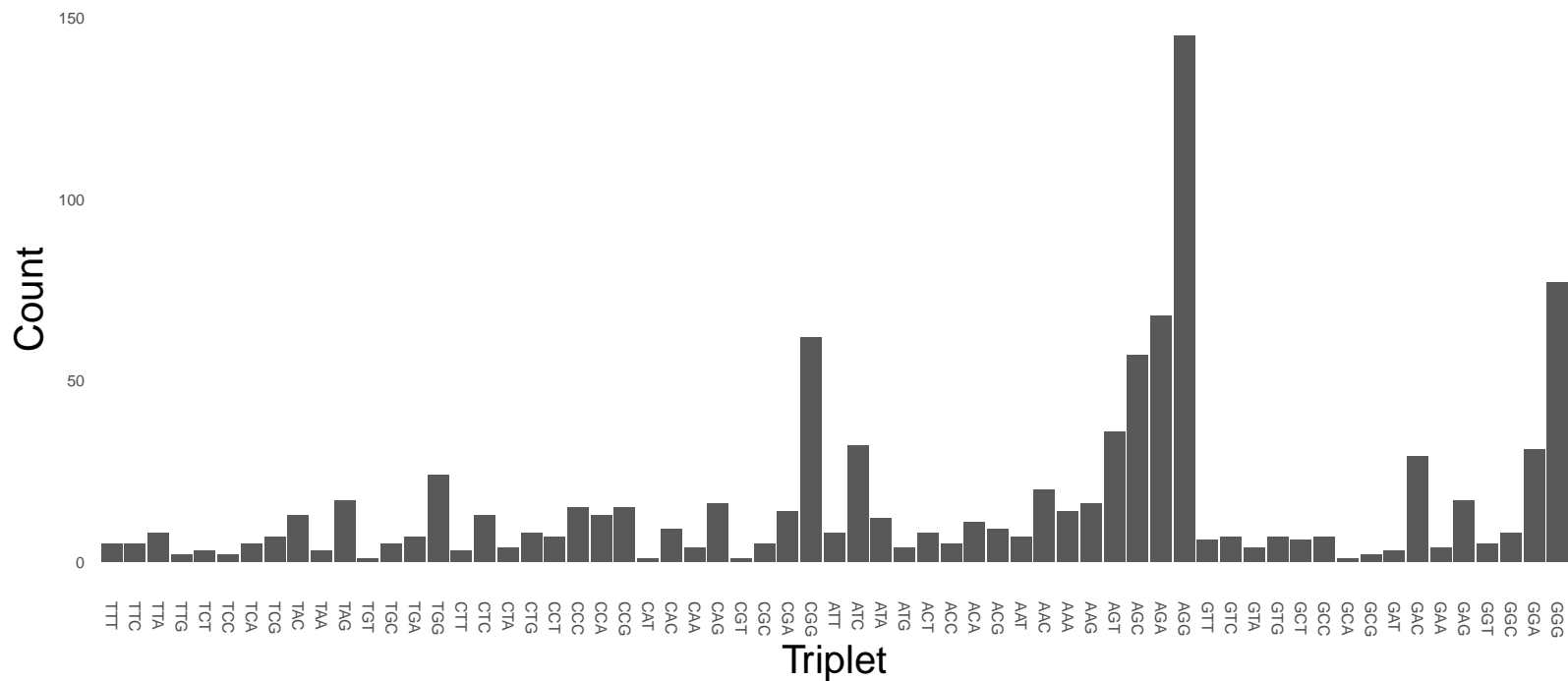
Gene TRBV7-7\*ap01\_C315T



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

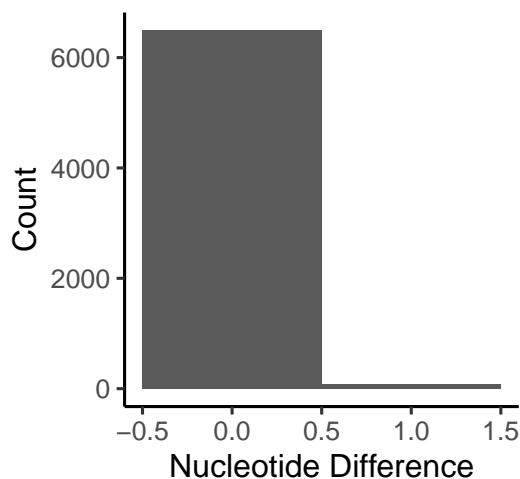


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



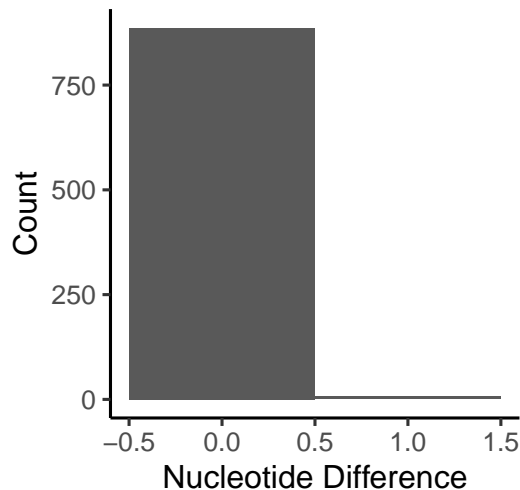
### TRBV20-1\*ap01

6566 sequences assigned  
6493 (98.9%) exact matches, in which:  
6408 unique CDR3  
13 unique J



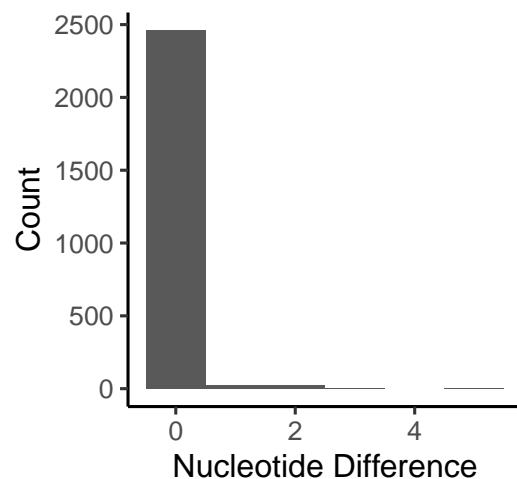
### TRBV10-2\*ap01

894 sequences assigned  
887 (99.2%) exact matches, in which:  
871 unique CDR3  
13 unique J



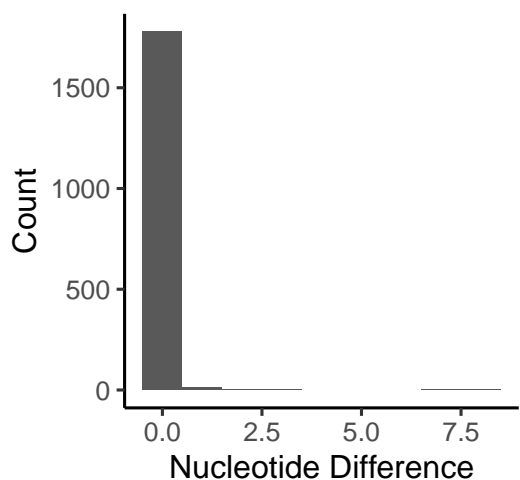
### TRBV13\*ap01

2517 sequences assigned  
2460 (97.7%) exact matches, in which:  
2404 unique CDR3  
13 unique J



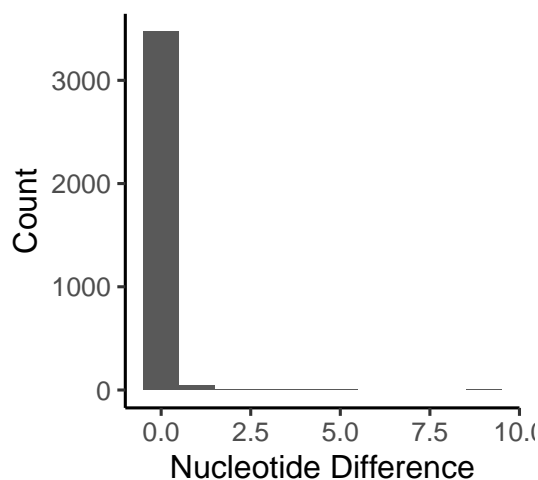
### TRBV10-1\*ap01

1799 sequences assigned  
1778 (98.8%) exact matches, in which:  
1747 unique CDR3  
13 unique J



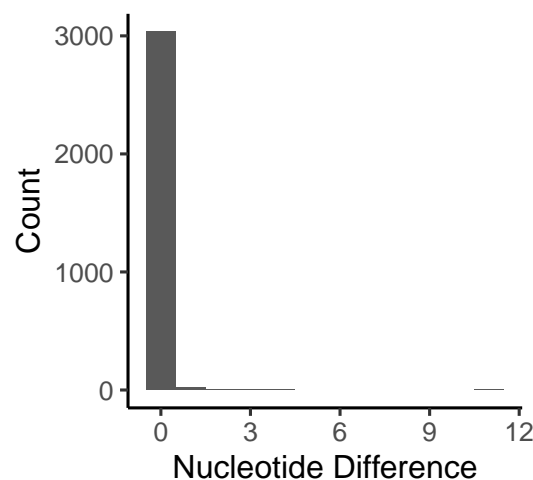
### TRBV10-3\*ap01

3518 sequences assigned  
3471 (98.7%) exact matches, in which:  
3419 unique CDR3  
13 unique J



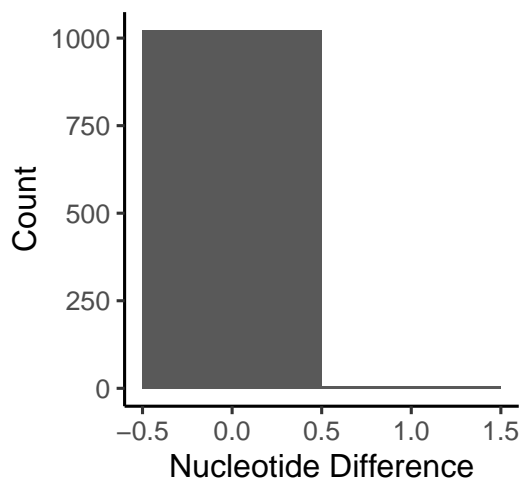
### TRBV14\*ap01

3062 sequences assigned  
3035 (99.1%) exact matches, in which:  
3003 unique CDR3  
13 unique J



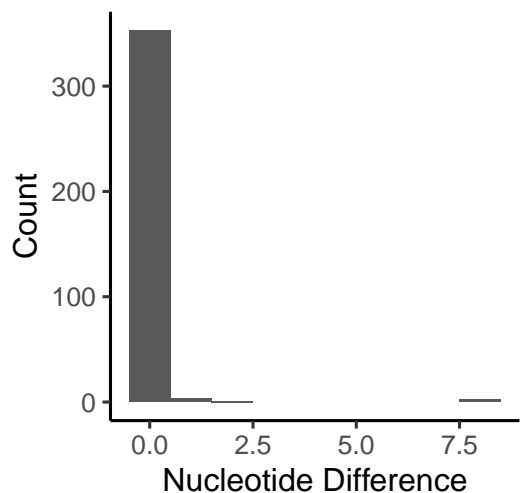
### TRBV20-1\*ap02

1030 sequences assigned  
1023 (99.3%) exact matches, in which:  
1005 unique CDR3  
13 unique J



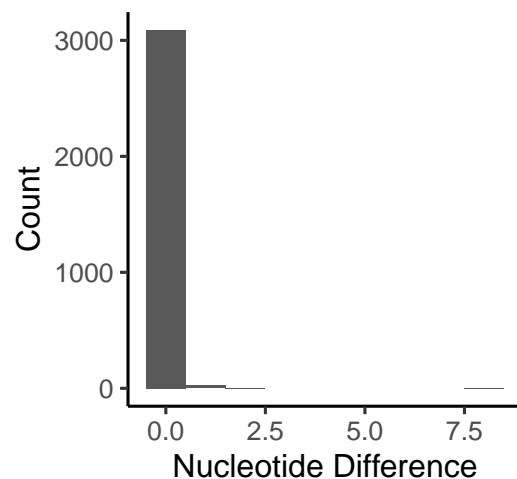
### TRBV1\*ap01

359 sequences assigned  
353 (98.3%) exact matches, in which:  
346 unique CDR3  
13 unique J



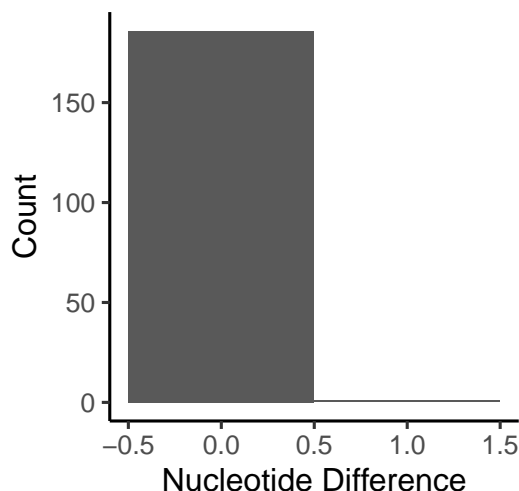
### TRBV15\*ap02

3117 sequences assigned  
3089 (99.1%) exact matches, in which:  
3039 unique CDR3  
13 unique J



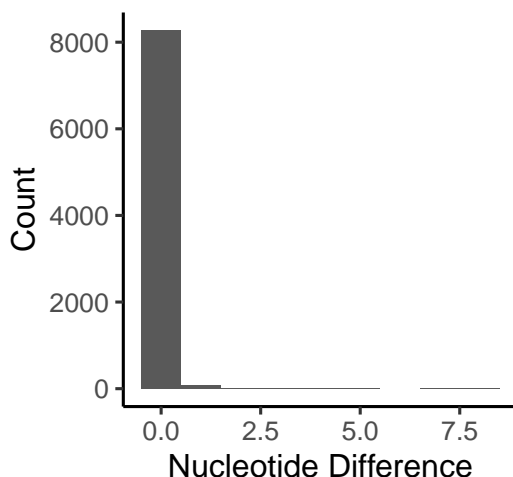
### TRBV16\*ap01

187 sequences assigned  
186 (99.5%) exact matches, in which:  
186 unique CDR3  
13 unique J



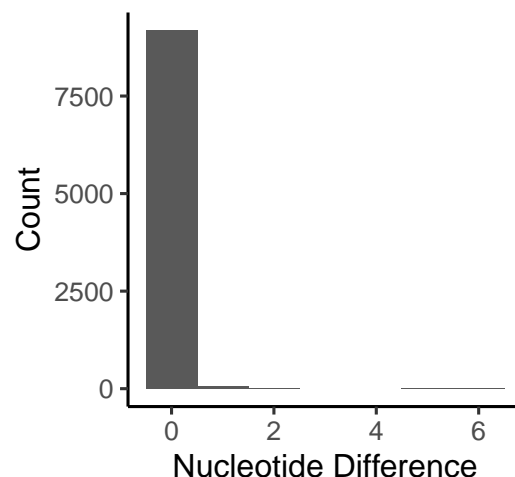
### TRBV19\*ap01

8350 sequences assigned  
8272 (99.1%) exact matches, in which:  
8202 unique CDR3  
13 unique J



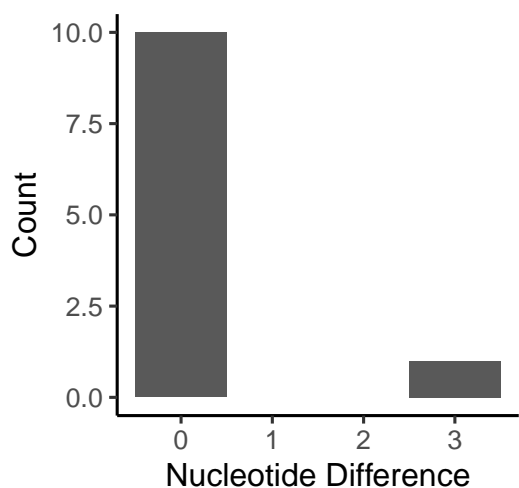
### TRBV28\*ap01

9260 sequences assigned  
9182 (99.2%) exact matches, in which:  
9076 unique CDR3  
13 unique J



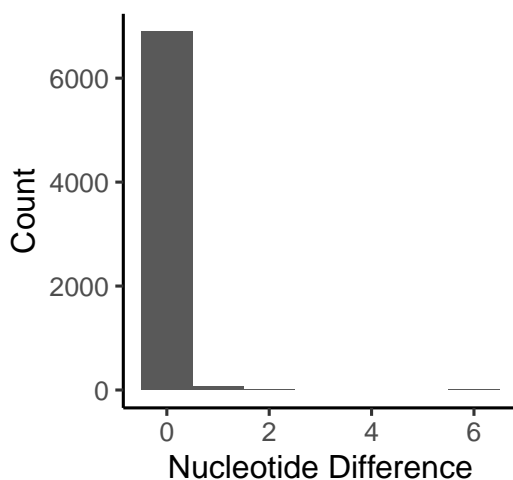
### TRBV17\*ap01

11 sequences assigned  
10 (90.9%) exact matches, in which:  
10 unique CDR3  
7 unique J



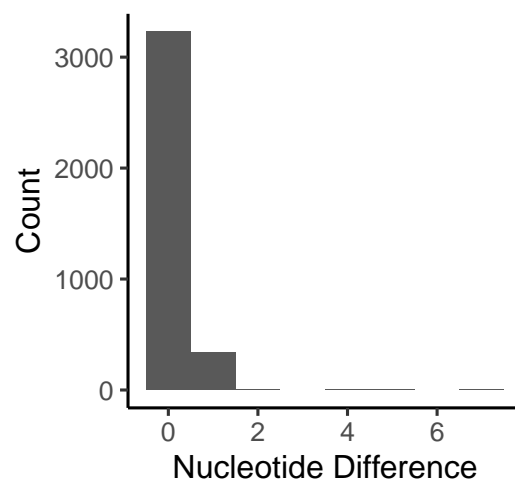
### TRBV2\*ap01

6955 sequences assigned  
6893 (99.1%) exact matches, in which:  
6797 unique CDR3  
13 unique J



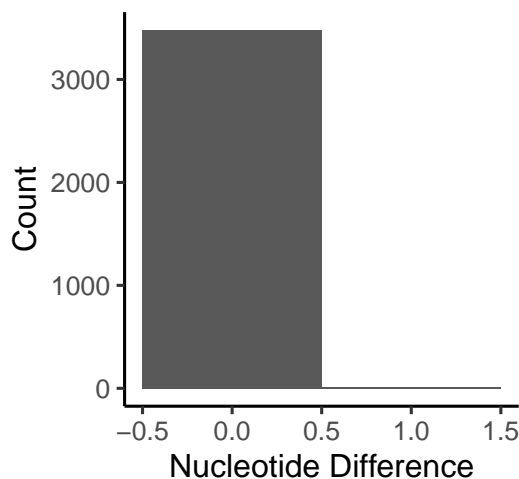
### TRBV30\*ap01

3580 sequences assigned  
3229 (90.2%) exact matches, in which:  
3142 unique CDR3  
13 unique J



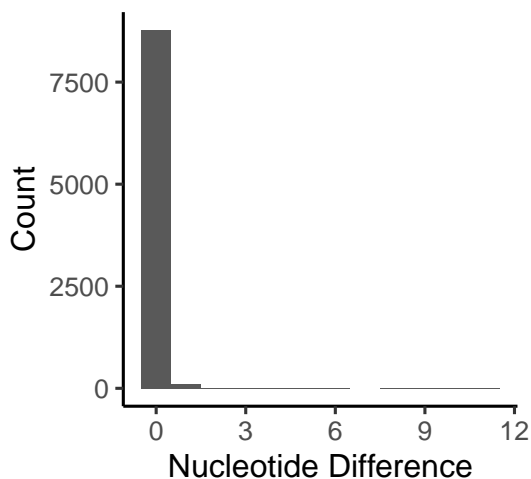
### TRBV18\*ap01

3494 sequences assigned  
3480 (99.6%) exact matches, in which:  
3454 unique CDR3  
13 unique J



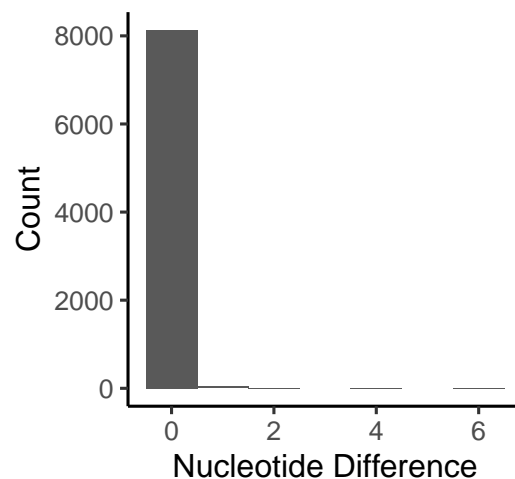
### TRBV27\*ap01

8894 sequences assigned  
8775 (98.7%) exact matches, in which:  
8673 unique CDR3  
13 unique J



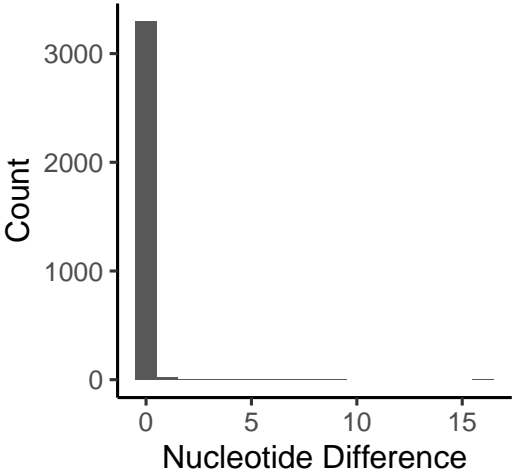
### TRBV9\*ap01

8180 sequences assigned  
8132 (99.4%) exact matches, in which:  
8057 unique CDR3  
13 unique J



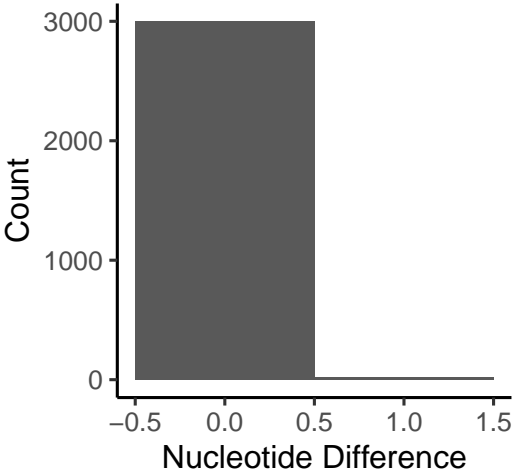
TRBV21-1\*ap01

3343 sequences assigned  
3296 (98.6%) exact matches, in which:  
3274 unique CDR3  
13 unique J



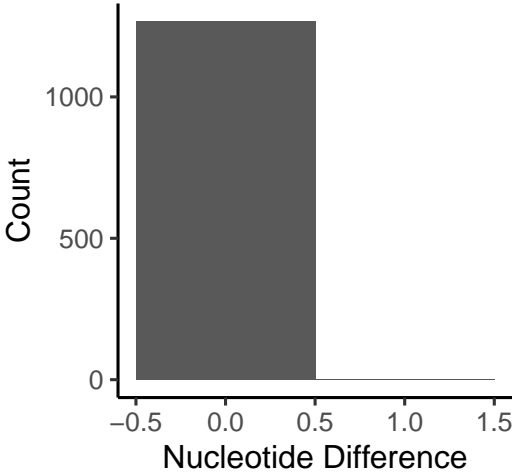
TRBV11-3\*ap01

3023 sequences assigned  
2999 (99.2%) exact matches, in which:  
2976 unique CDR3  
13 unique J



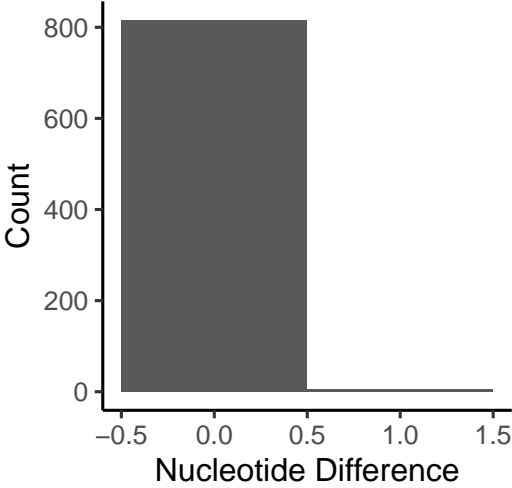
TRBV12-5\*ap01

1270 sequences assigned  
1267 (99.8%) exact matches, in which:  
1250 unique CDR3  
13 unique J



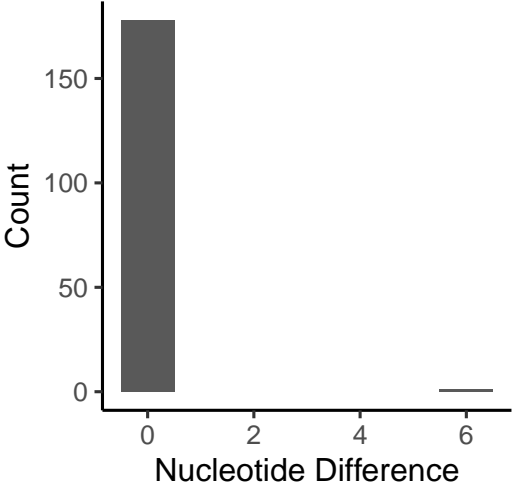
TRBV11-1\*ap01

821 sequences assigned  
816 (99.4%) exact matches, in which:  
807 unique CDR3  
13 unique J



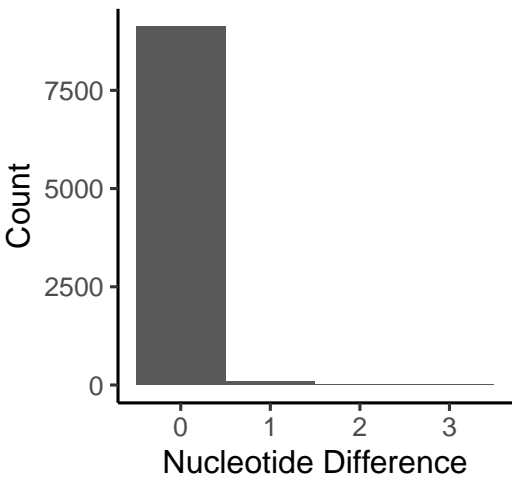
TRBV12-1\*ap01

179 sequences assigned  
178 (99.4%) exact matches, in which:  
176 unique CDR3  
13 unique J



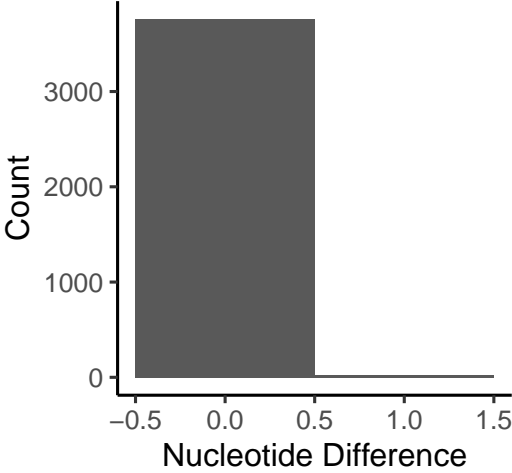
TRBV12-34\*ap01

9205 sequences assigned  
9120 (99.1%) exact matches, in which:  
8957 unique CDR3  
14 unique J



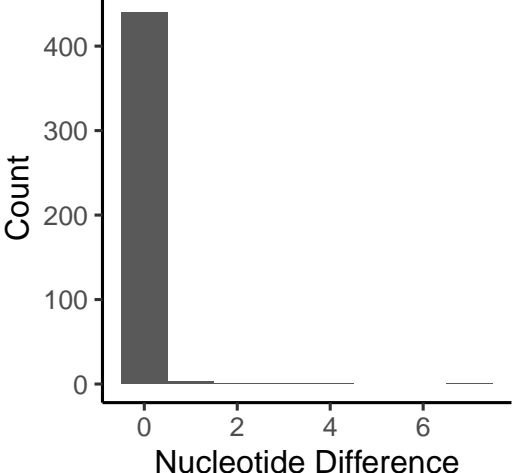
TRBV11-2\*ap01

3783 sequences assigned  
3761 (99.4%) exact matches, in which:  
3722 unique CDR3  
13 unique J



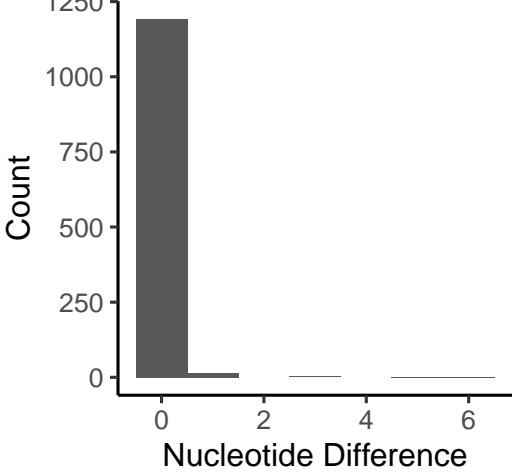
TRBV12-2\*ap01

447 sequences assigned  
440 (98.4%) exact matches, in which:  
436 unique CDR3  
13 unique J



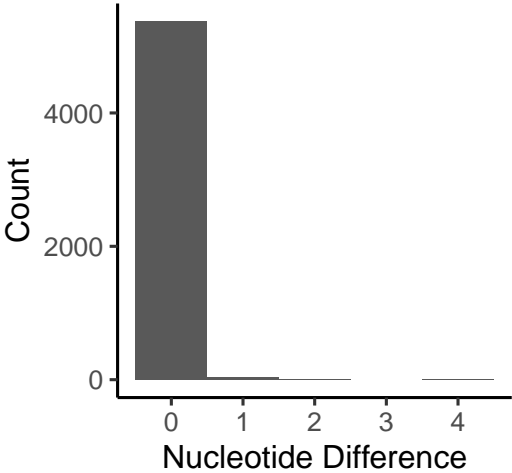
TRBV23-1\*ap01

1211 sequences assigned  
1192 (98.4%) exact matches, in which:  
1178 unique CDR3  
13 unique J



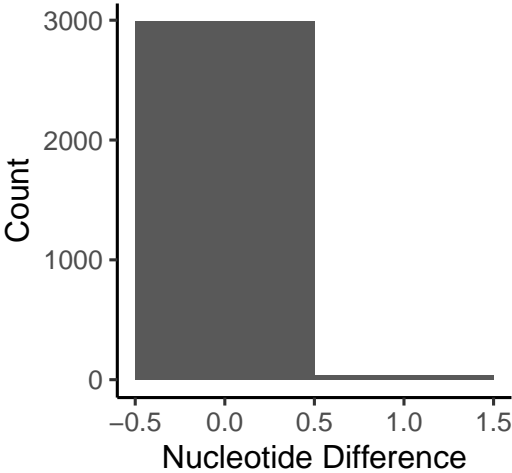
TRBV3-12\*ap01

5415 sequences assigned  
5373 (99.2%) exact matches, in which:  
5328 unique CDR3  
13 unique J



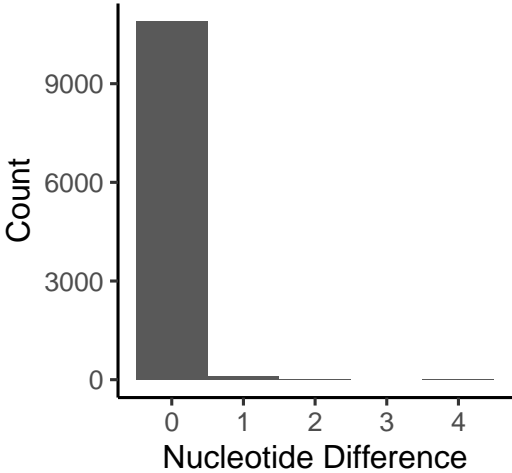
TRBV4-2\*ap01

3031 sequences assigned  
2990 (98.6%) exact matches, in which:  
2931 unique CDR3  
13 unique J



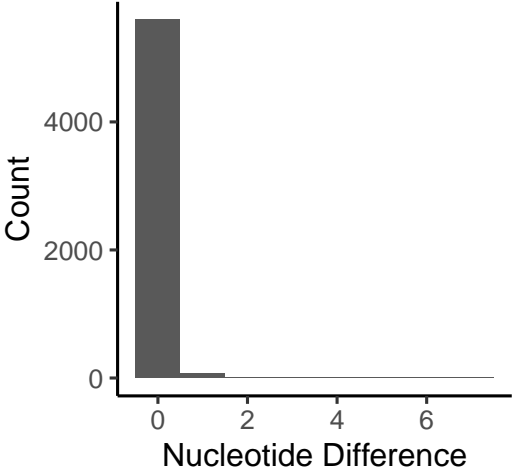
TRBV5-1\*ap01

11016 sequences assigned  
10893 (98.9%) exact matches, in which:  
10720 unique CDR3  
13 unique J



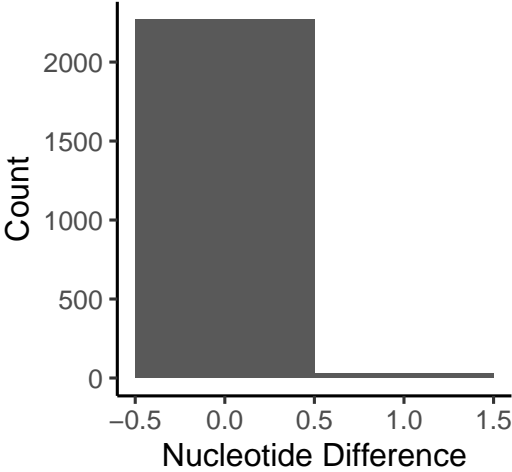
TRBV24-1\*ap01

5683 sequences assigned  
5596 (98.5%) exact matches, in which:  
5510 unique CDR3  
13 unique J



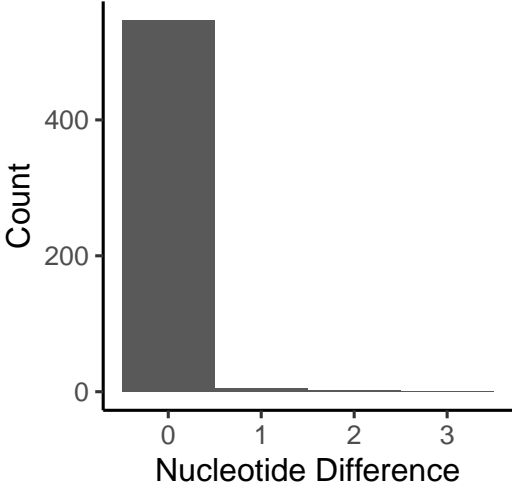
TRBV4-3\*ap01

2294 sequences assigned  
2268 (98.9%) exact matches, in which:  
2223 unique CDR3  
13 unique J



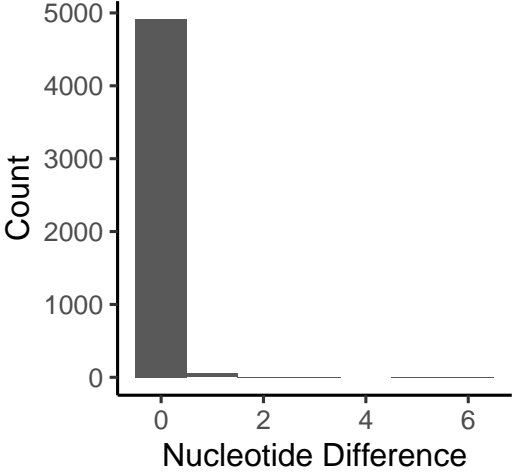
TRBV5-3\*ap01

555 sequences assigned  
547 (98.6%) exact matches, in which:  
541 unique CDR3  
13 unique J



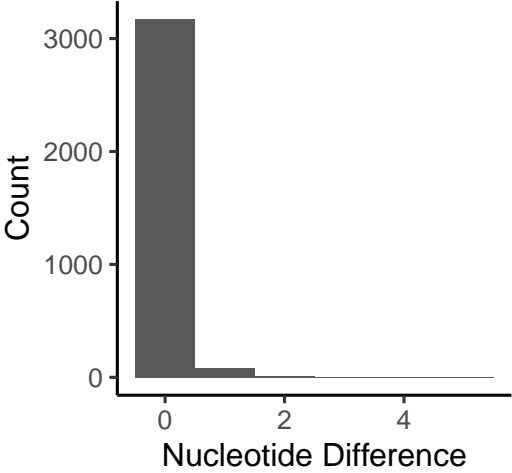
TRBV4-1\*ap01

4972 sequences assigned  
4916 (98.9%) exact matches, in which:  
4796 unique CDR3  
13 unique J



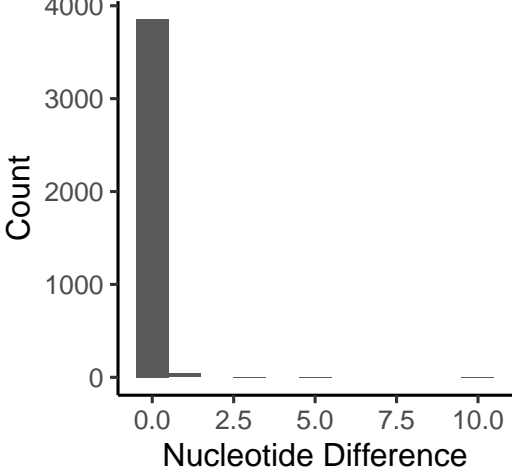
TRBV25-1\*ap01

3271 sequences assigned  
3173 (97%) exact matches, in which:  
3097 unique CDR3  
13 unique J



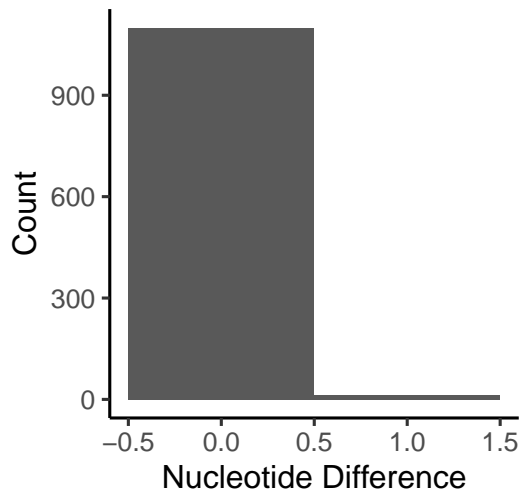
TRBV5-4\*ap01

3902 sequences assigned  
3857 (98.8%) exact matches, in which:  
3799 unique CDR3  
13 unique J



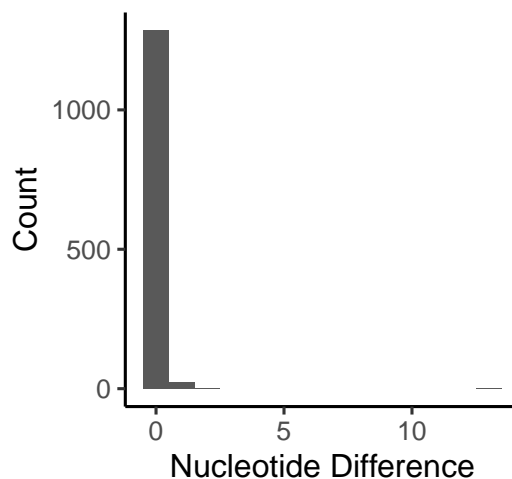
### TRBV5-5\*ap01

1113 sequences assigned  
1100 (98.8%) exact matches, in which:  
1093 unique CDR3  
13 unique J



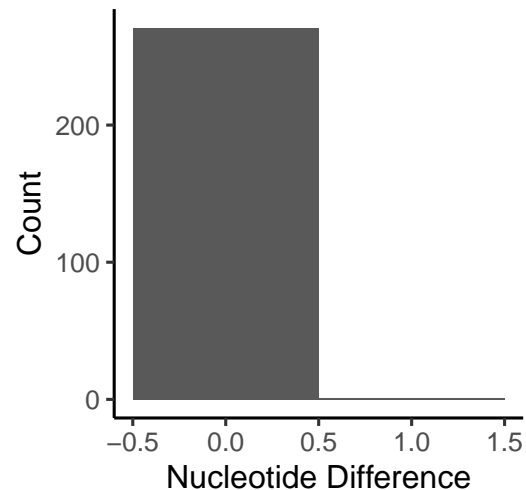
### TRBV5-8\*ap01

1309 sequences assigned  
1285 (98.2%) exact matches, in which:  
1262 unique CDR3  
13 unique J



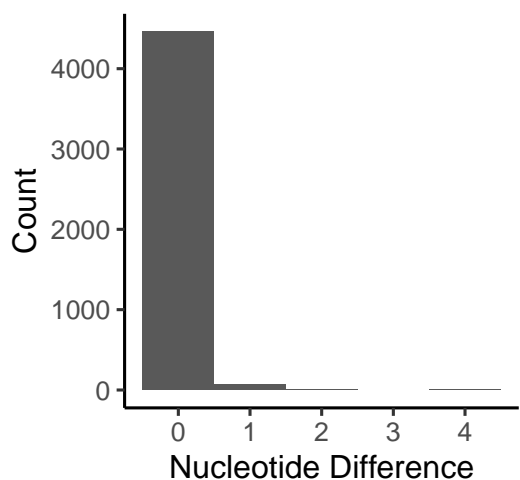
### TRBV6-7\*ap01

272 sequences assigned  
271 (99.6%) exact matches, in which:  
265 unique CDR3  
13 unique J



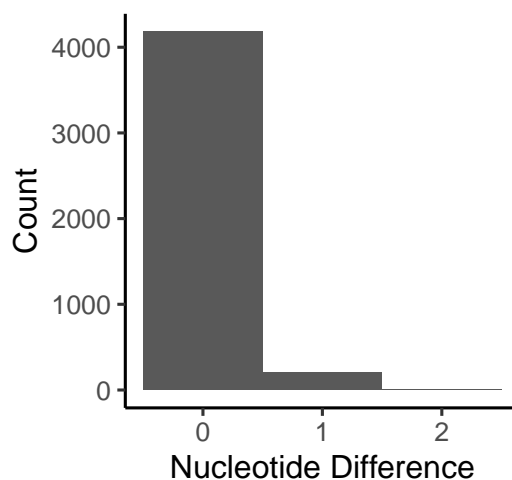
### TRBV5-6\*ap01

4527 sequences assigned  
4460 (98.5%) exact matches, in which:  
4360 unique CDR3  
13 unique J



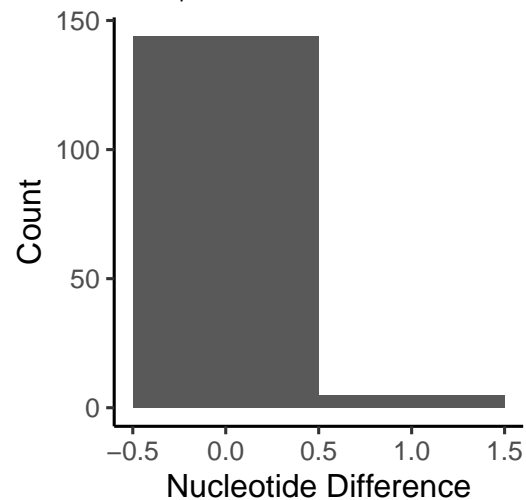
### TRBV6-1\*ap01

4391 sequences assigned  
4181 (95.2%) exact matches, in which:  
4073 unique CDR3  
13 unique J



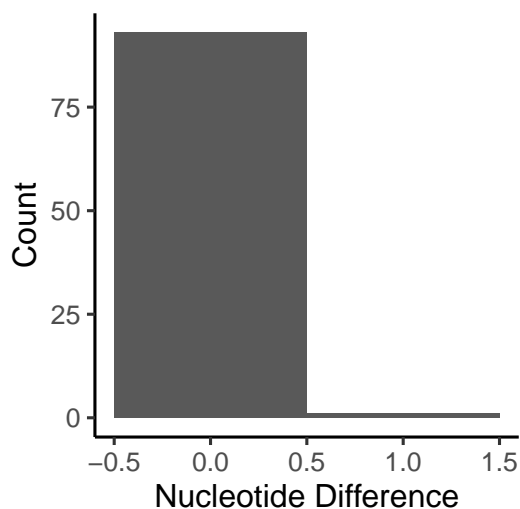
### TRBV6-8\*ap01

149 sequences assigned  
144 (96.6%) exact matches, in which:  
142 unique CDR3  
13 unique J



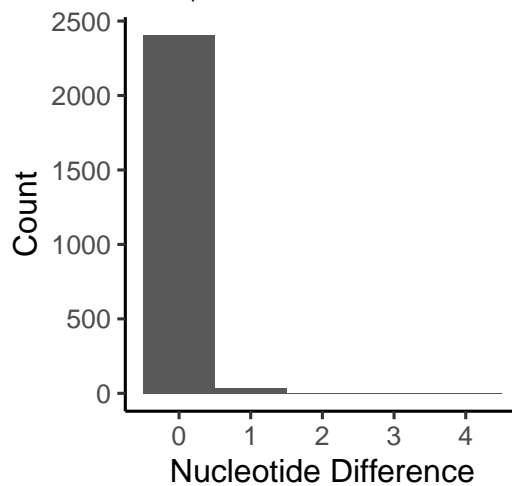
### TRBV5-7\*ap01

94 sequences assigned  
93 (98.9%) exact matches, in which:  
90 unique CDR3  
13 unique J



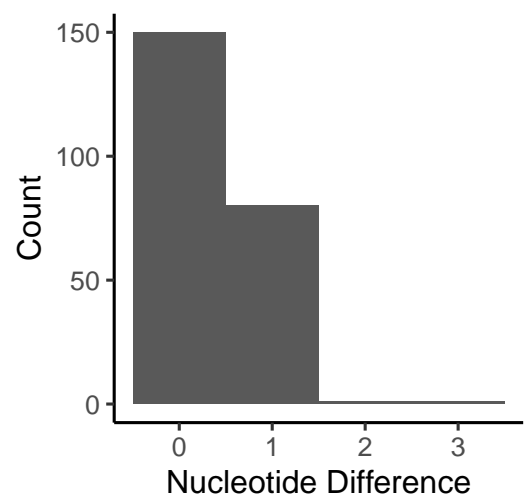
### TRBV6-4\*ap01

2448 sequences assigned  
2406 (98.3%) exact matches, in which:  
2385 unique CDR3  
13 unique J



### TRBV6-9\*ap01

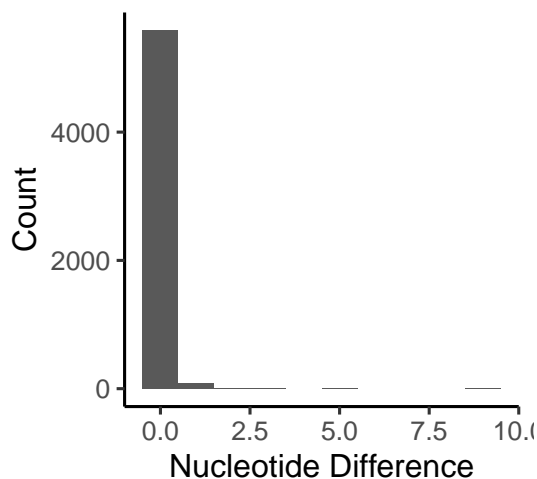
232 sequences assigned  
150 (64.7%) exact matches, in which:  
147 unique CDR3  
13 unique J





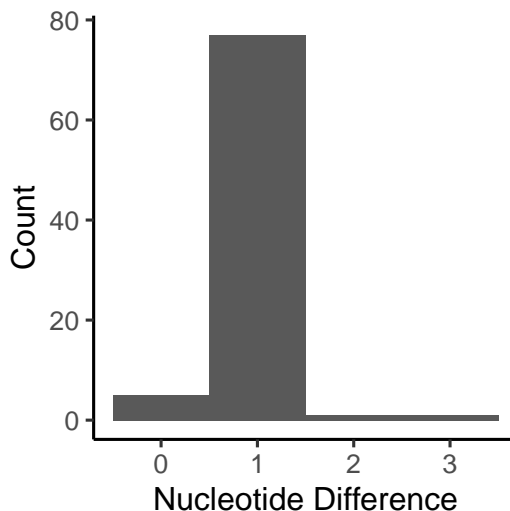
### TRBV6-23\*ap01

5682 sequences assigned  
5586 (98.3%) exact matches, in which:  
5429 unique CDR3  
13 unique J



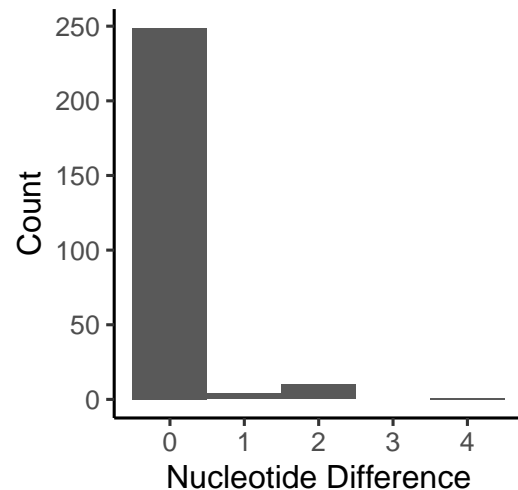
### TRBV7-1\*ap01\_T296C

84 sequences assigned  
5 (6%) exact matches, in which:  
5 unique CDR3  
3 unique J



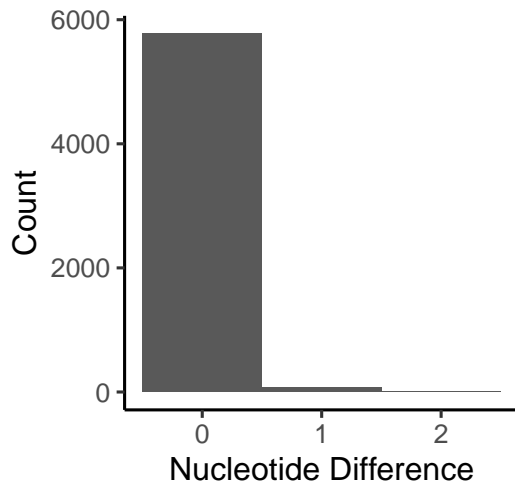
### TRBV7-4\*ap01

264 sequences assigned  
249 (94.3%) exact matches, in which:  
247 unique CDR3  
13 unique J



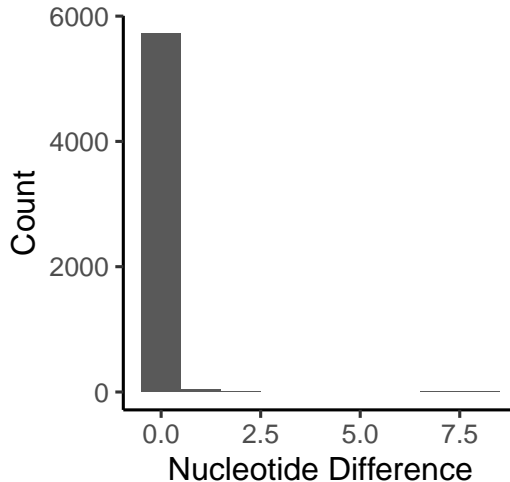
### TRBV6-56\*ap01

5846 sequences assigned  
5774 (98.8%) exact matches, in which:  
5637 unique CDR3  
13 unique J



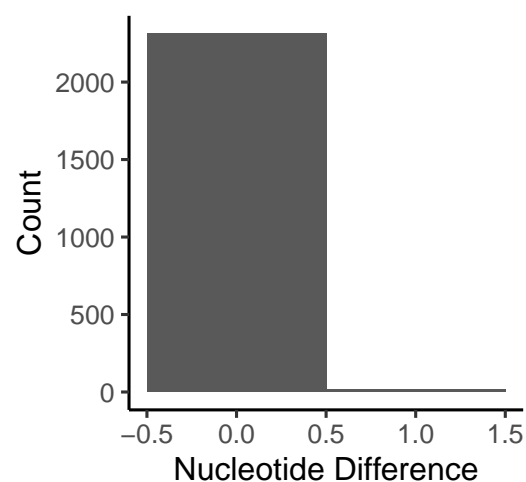
### TRBV7-2\*ap01

5756 sequences assigned  
5719 (99.4%) exact matches, in which:  
5667 unique CDR3  
13 unique J



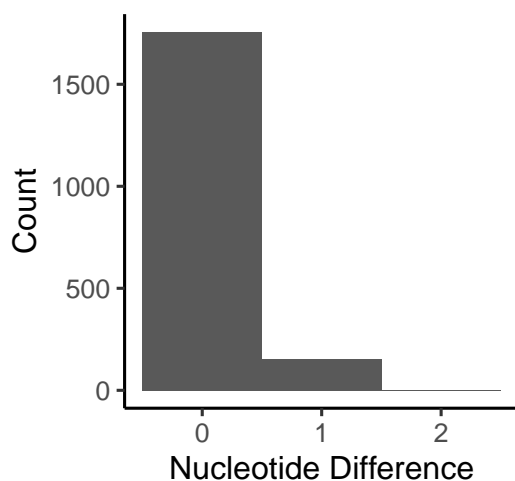
### TRBV7-6\*ap01

2327 sequences assigned  
2312 (99.4%) exact matches, in which:  
2287 unique CDR3  
13 unique J



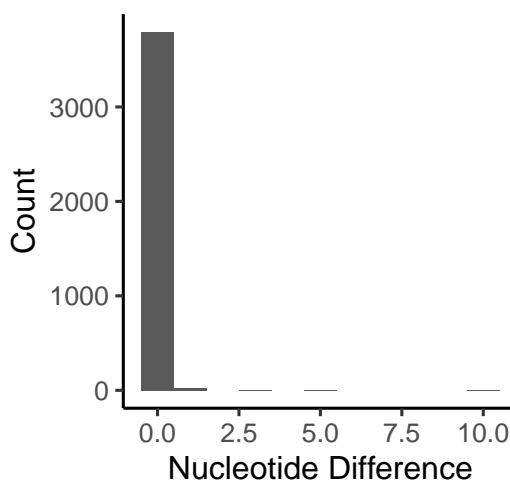
### TRBV6-56\*ap02

1913 sequences assigned  
1756 (91.8%) exact matches, in which:  
1723 unique CDR3  
13 unique J



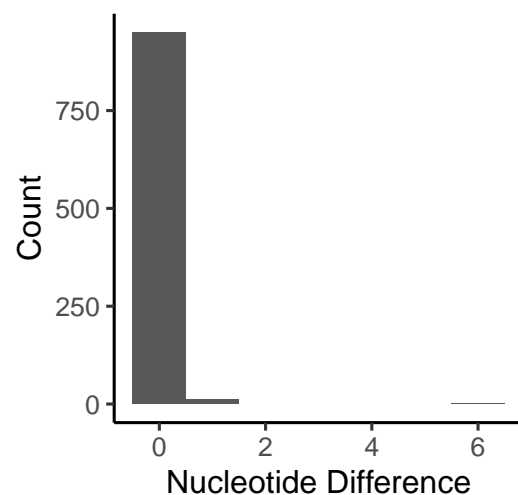
### TRBV7-3\*ap01

3819 sequences assigned  
3793 (99.3%) exact matches, in which:  
3758 unique CDR3  
13 unique J



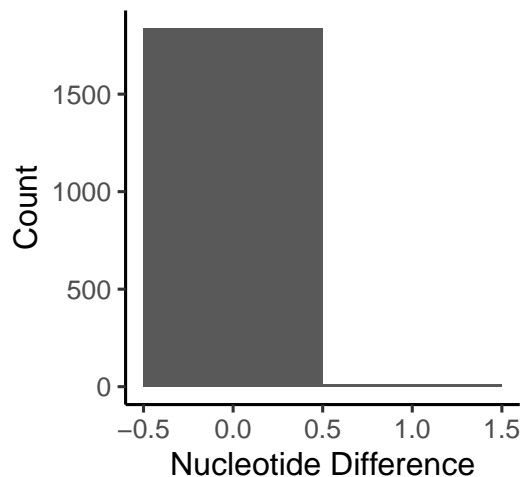
### TRBV7-7\*ap01\_C315T

963 sequences assigned  
950 (98.7%) exact matches, in which:  
939 unique CDR3  
13 unique J



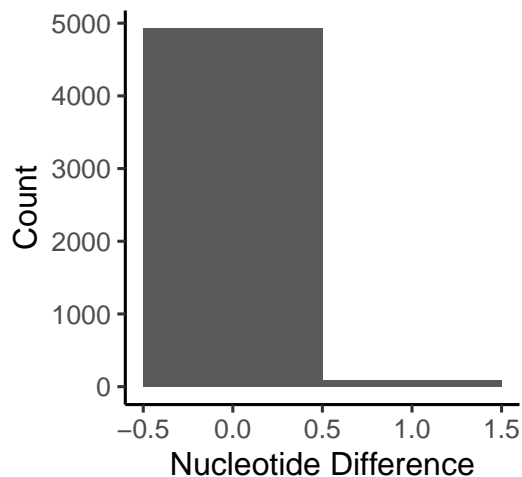
### TRBV7-8\*ap01

1851 sequences assigned  
1837 (99.2%) exact matches, in which:  
1821 unique CDR3  
13 unique J



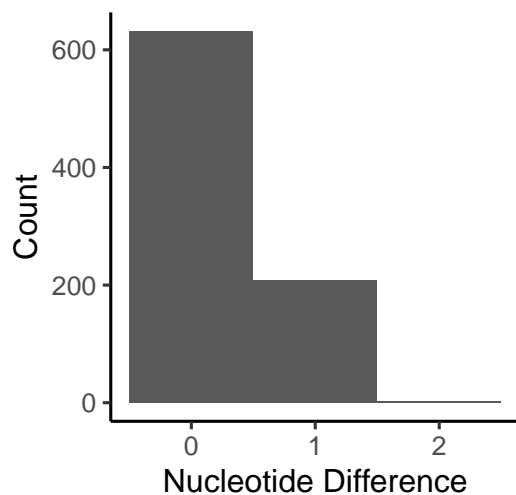
### TRBV29-1\*ap01

5012 sequences assigned  
4928 (98.3%) exact matches, in which:  
4782 unique CDR3  
13 unique J



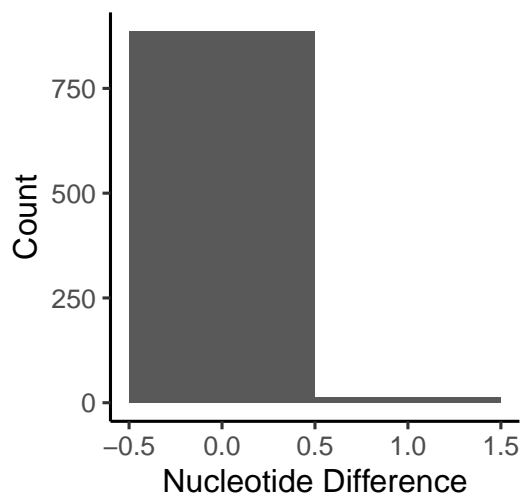
### TRBV7-8\*ap03

842 sequences assigned  
632 (75.1%) exact matches, in which:  
624 unique CDR3  
13 unique J



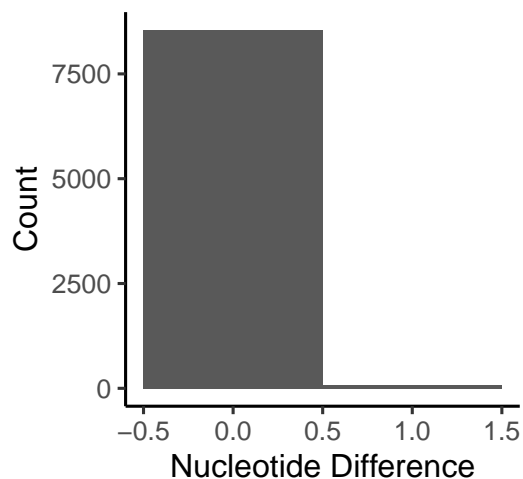
### TRBV29-1\*ap02

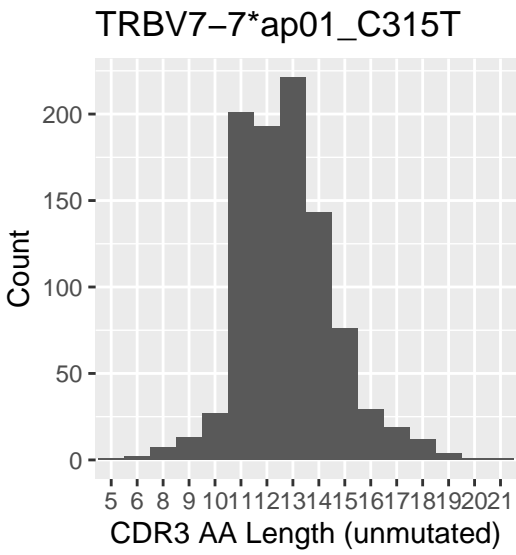
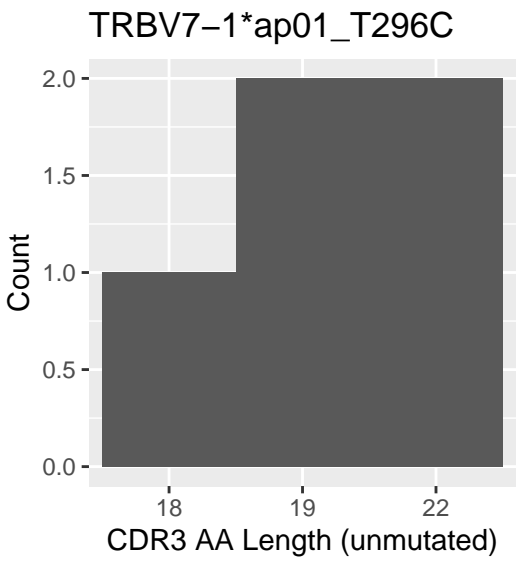
899 sequences assigned  
887 (98.7%) exact matches, in which:  
870 unique CDR3  
13 unique J



### TRBV7-9\*ap01

8623 sequences assigned  
8546 (99.1%) exact matches, in which:  
8432 unique CDR3  
13 unique J







[illegible]