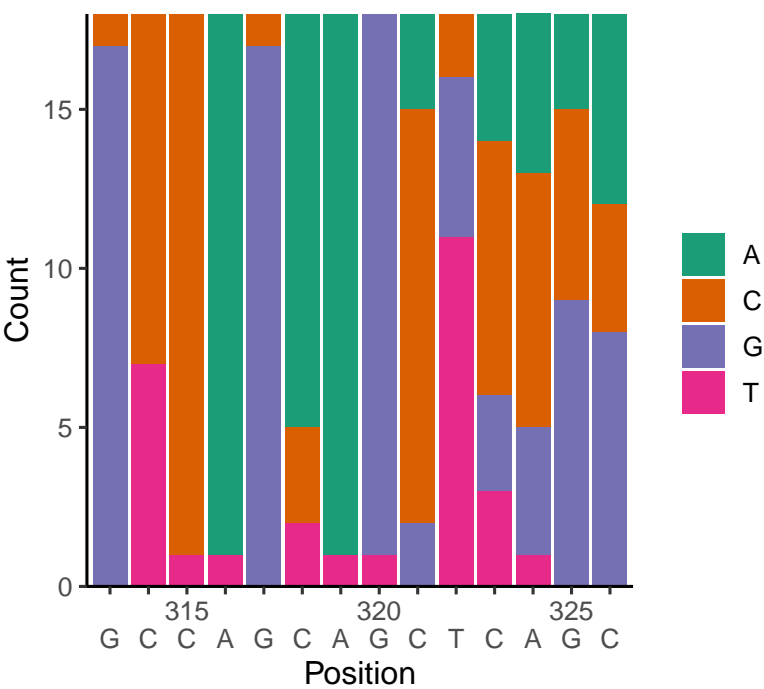
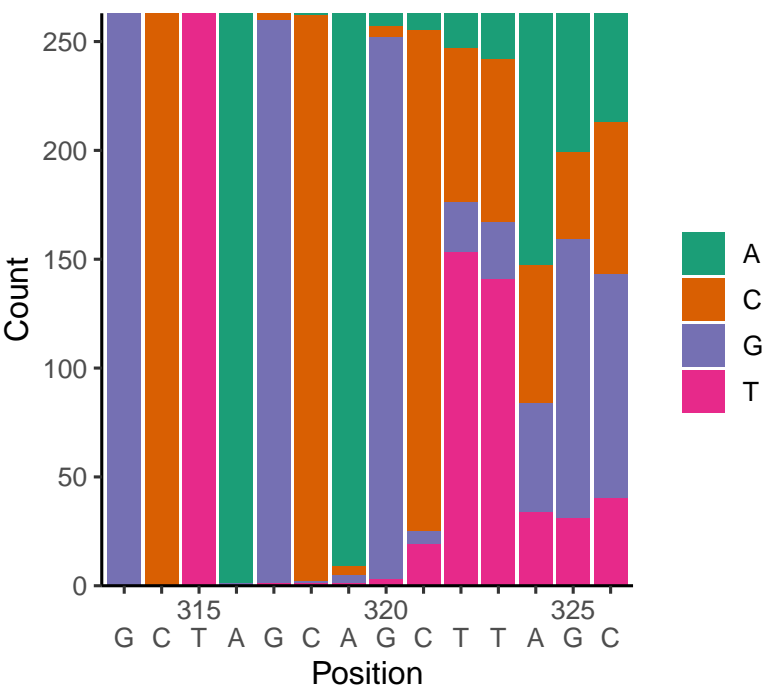


Gene TRBV7-1\*ap01\_T296C



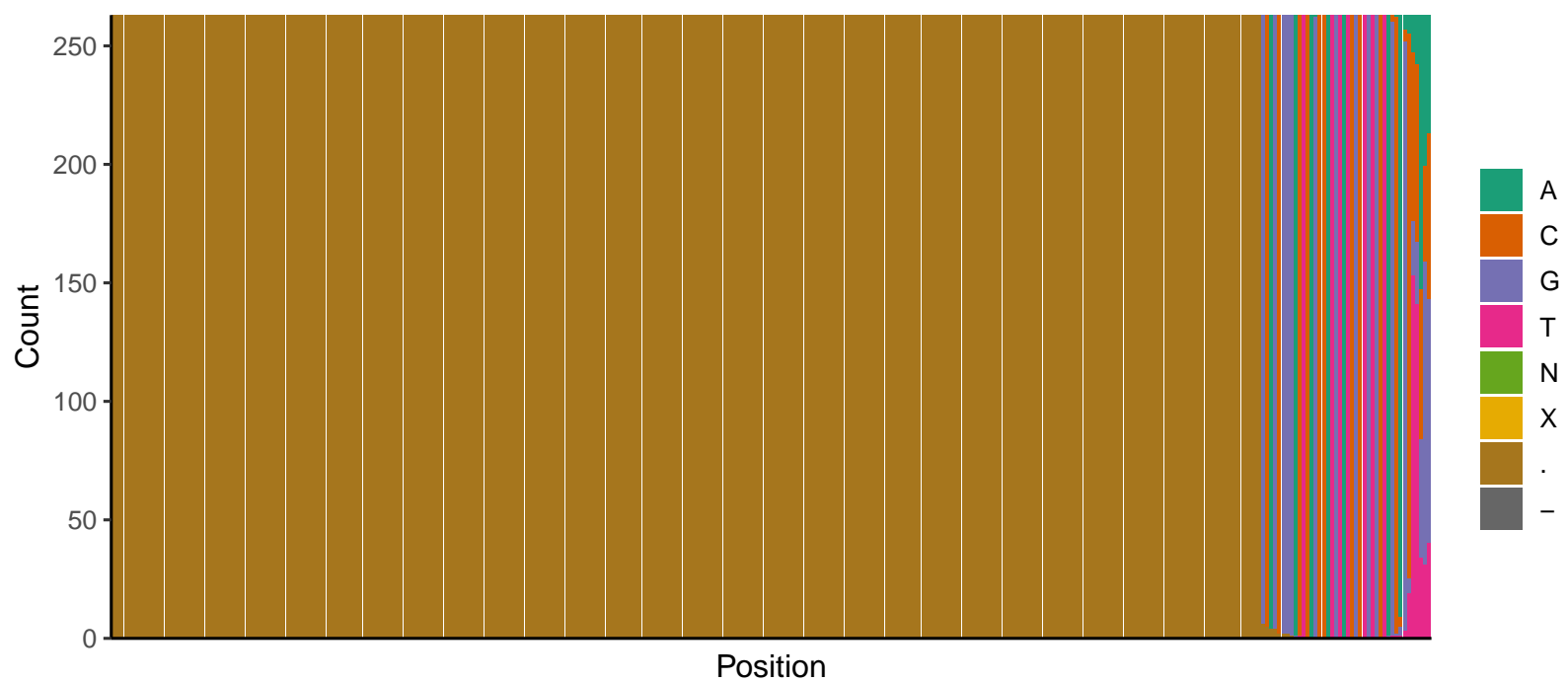
Gene TRBV7-7\*ap01\_C315T



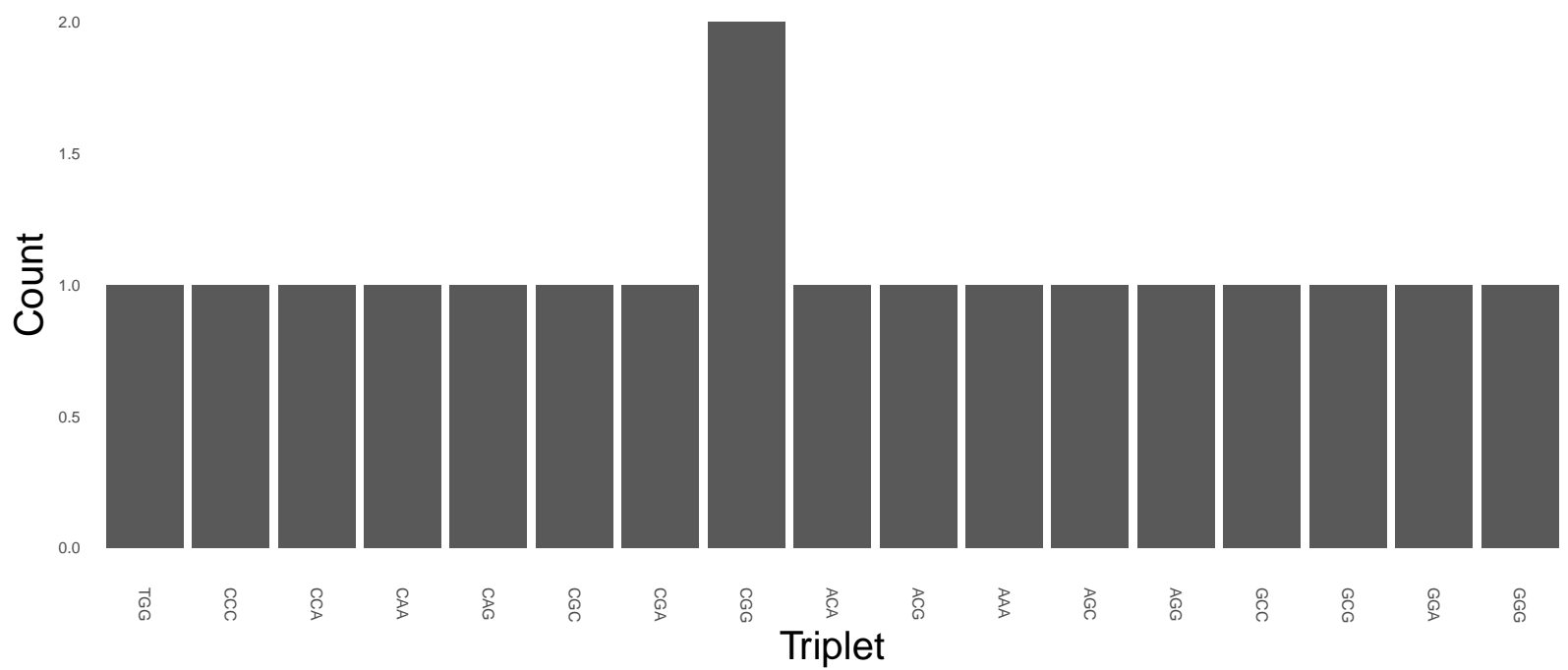
Gene TRBV7-1\*ap01\_T296C



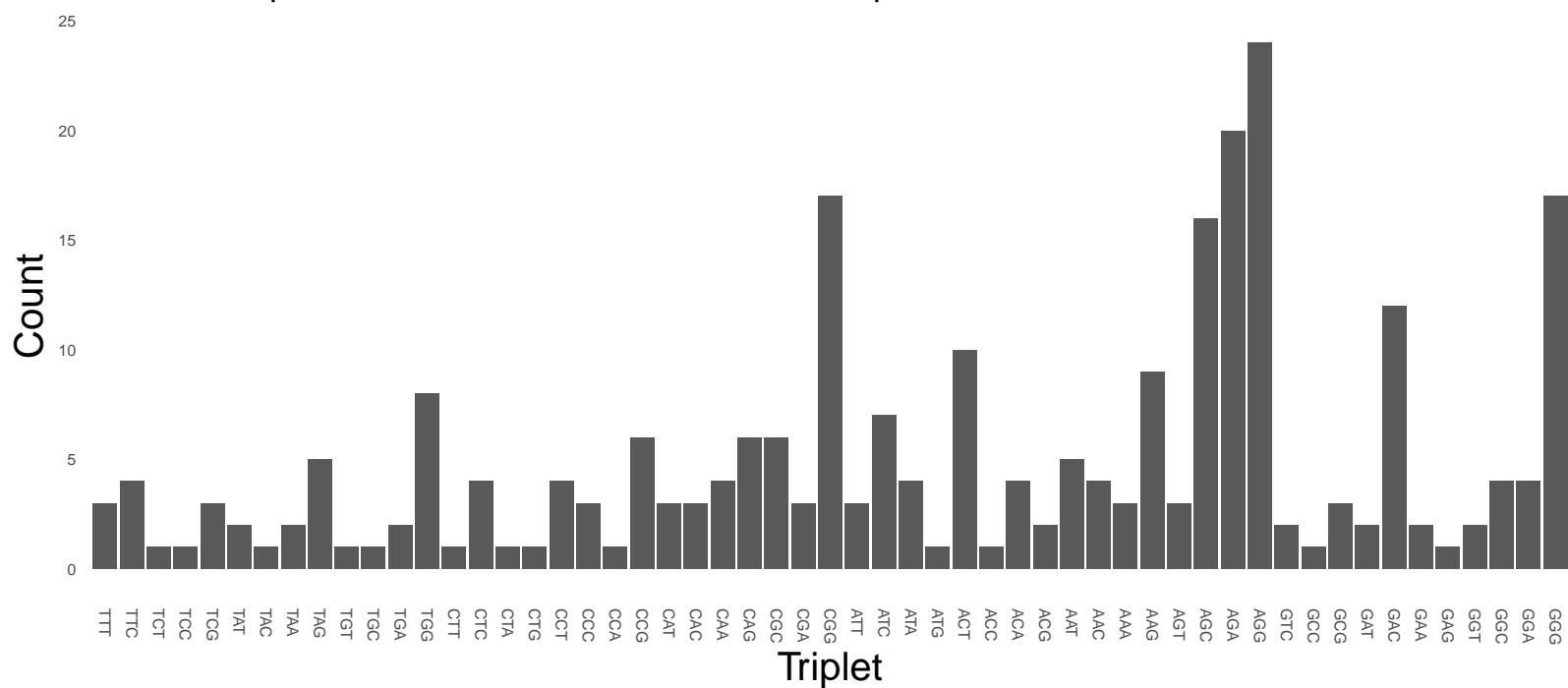
Gene TRBV7-7\*ap01\_C315T



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

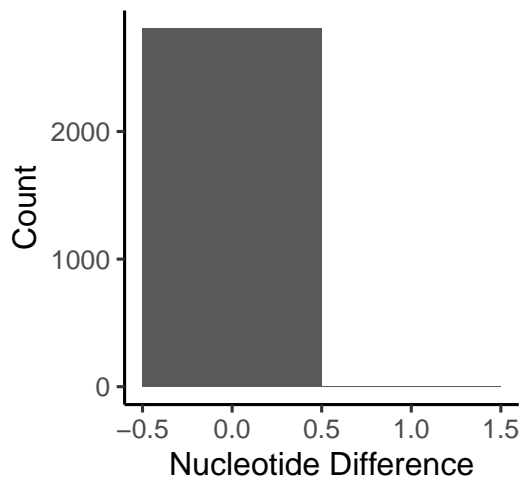


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



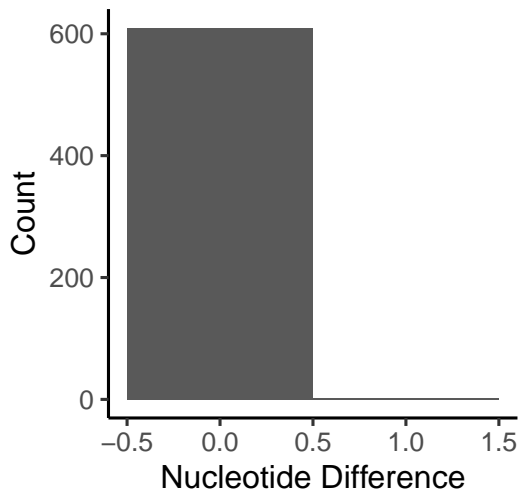
### TRBV20-1\*ap01

2815 sequences assigned  
2808 (99.8%) exact matches, in which:  
2807 unique CDR3  
13 unique J



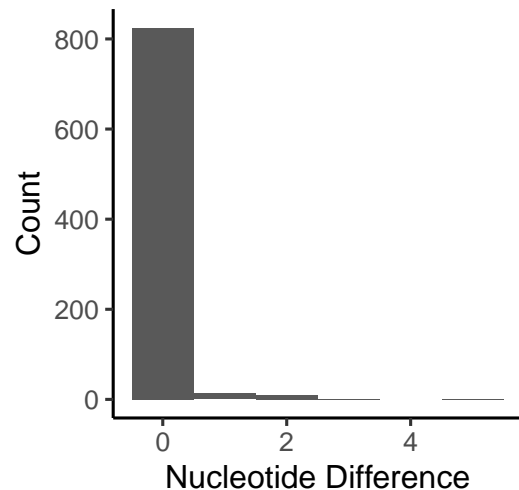
### TRBV10-2\*ap01

612 sequences assigned  
610 (99.7%) exact matches, in which:  
608 unique CDR3  
13 unique J



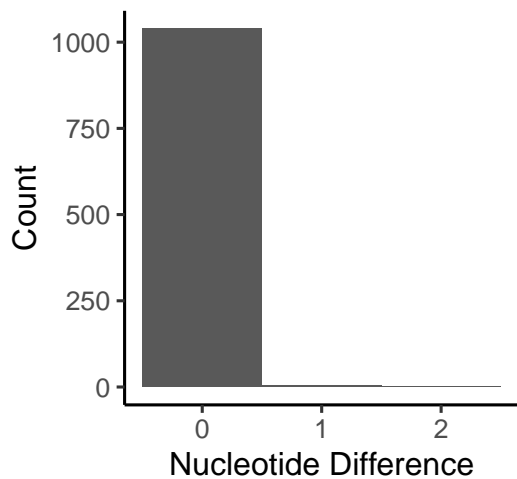
### TRBV13\*ap01

849 sequences assigned  
825 (97.2%) exact matches, in which:  
820 unique CDR3  
13 unique J



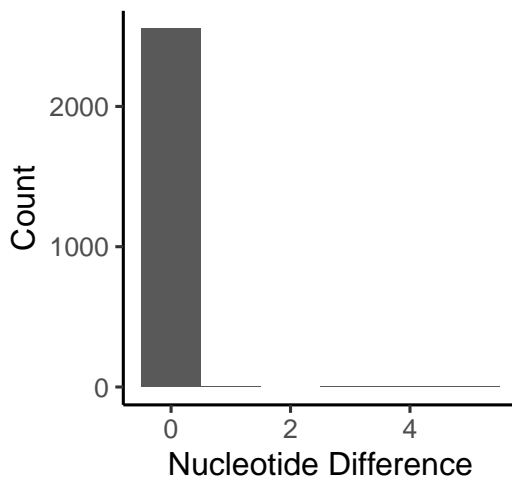
### TRBV10-1\*ap01

1043 sequences assigned  
1039 (99.6%) exact matches, in which:  
1037 unique CDR3  
13 unique J



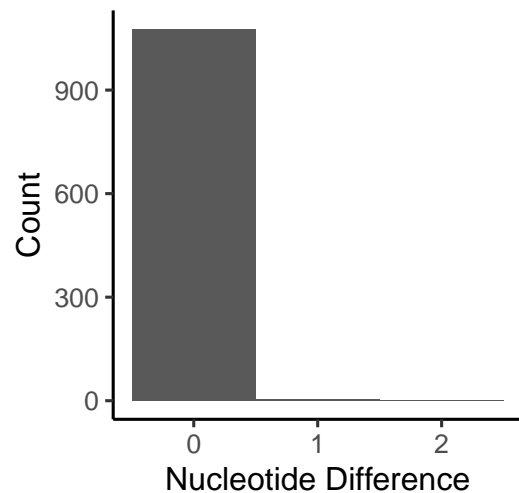
### TRBV10-3\*ap01

2563 sequences assigned  
2554 (99.6%) exact matches, in which:  
2547 unique CDR3  
13 unique J



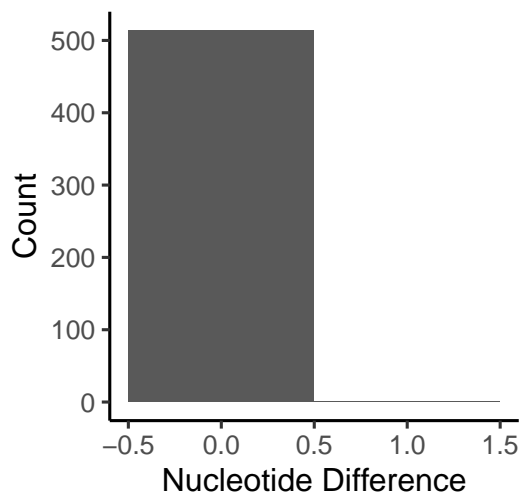
### TRBV14\*ap01

1082 sequences assigned  
1077 (99.5%) exact matches, in which:  
1076 unique CDR3  
13 unique J



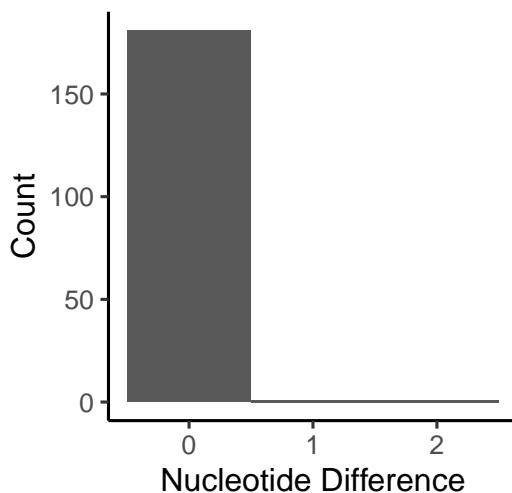
### TRBV20-1\*ap02

515 sequences assigned  
514 (99.8%) exact matches, in which:  
514 unique CDR3  
13 unique J



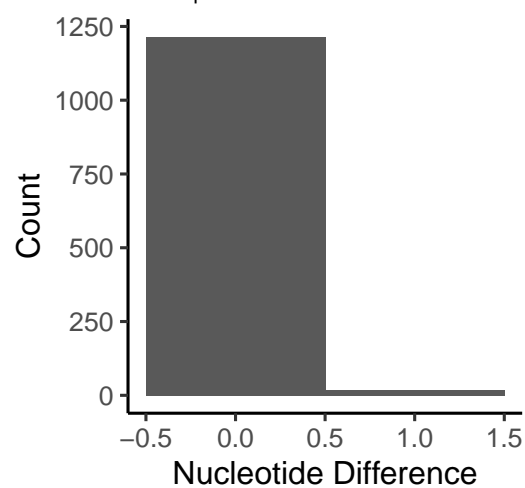
### TRBV1\*ap01

183 sequences assigned  
181 (98.9%) exact matches, in which:  
180 unique CDR3  
13 unique J



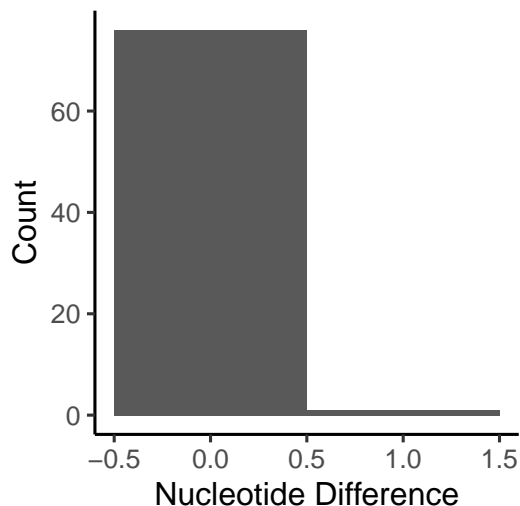
### TRBV15\*ap02

1231 sequences assigned  
1214 (98.6%) exact matches, in which:  
1212 unique CDR3  
13 unique J



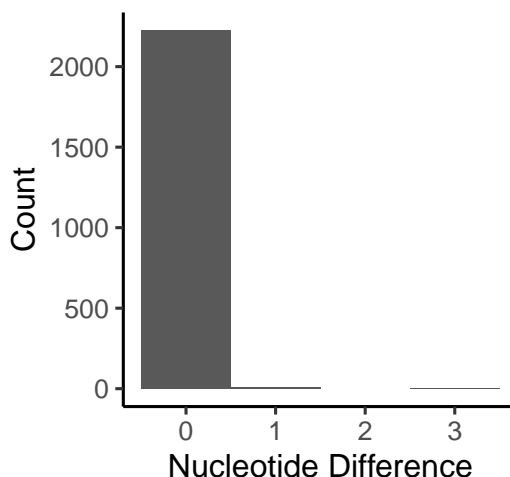
### TRBV16\*ap01

77 sequences assigned  
76 (98.7%) exact matches, in which:  
76 unique CDR3  
13 unique J



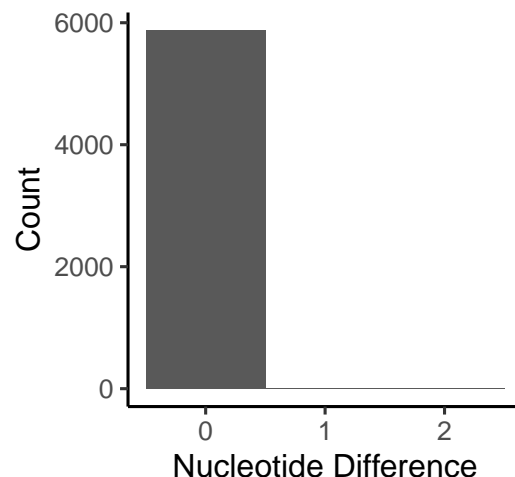
### TRBV19\*ap01

2233 sequences assigned  
2225 (99.6%) exact matches, in which:  
2223 unique CDR3  
13 unique J



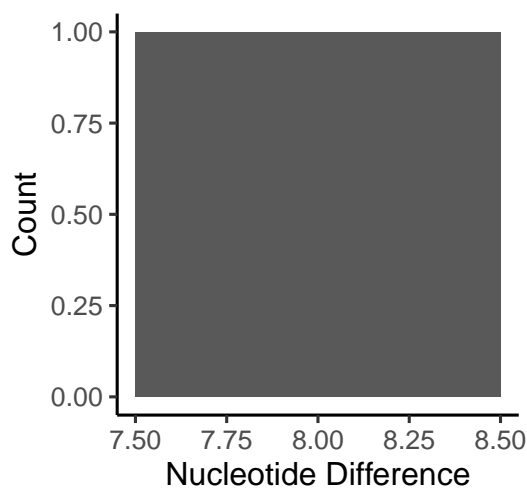
### TRBV28\*ap01

5891 sequences assigned  
5874 (99.7%) exact matches, in which:  
5867 unique CDR3  
13 unique J



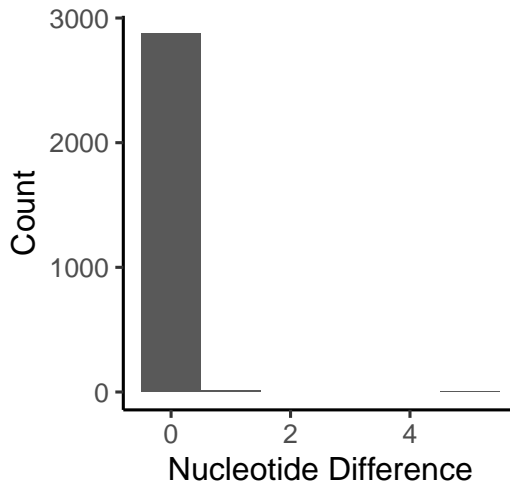
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



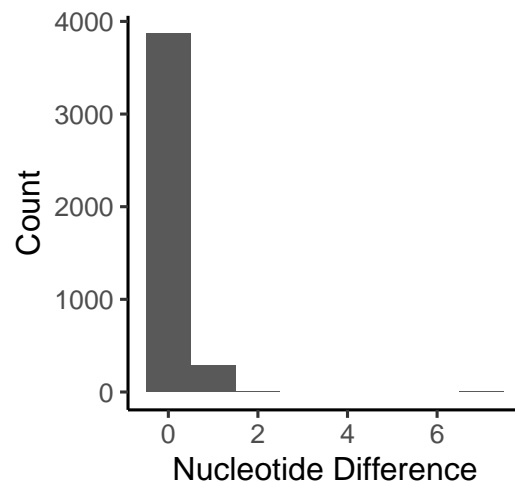
### TRBV2\*ap01

2887 sequences assigned  
2874 (99.5%) exact matches, in which:  
2870 unique CDR3  
13 unique J



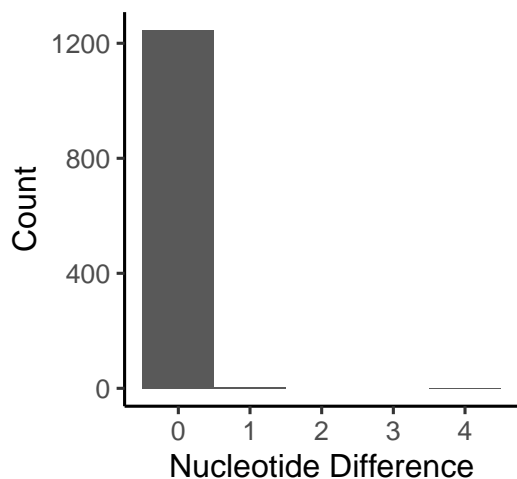
### TRBV30\*ap01

4161 sequences assigned  
3867 (92.9%) exact matches, in which:  
3842 unique CDR3  
14 unique J



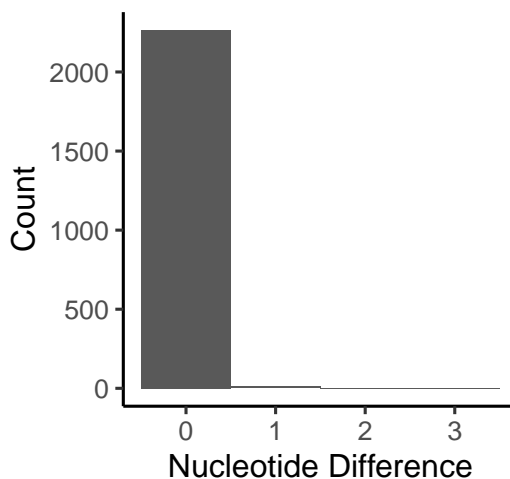
### TRBV18\*ap01

1251 sequences assigned  
1246 (99.6%) exact matches, in which:  
1245 unique CDR3  
13 unique J



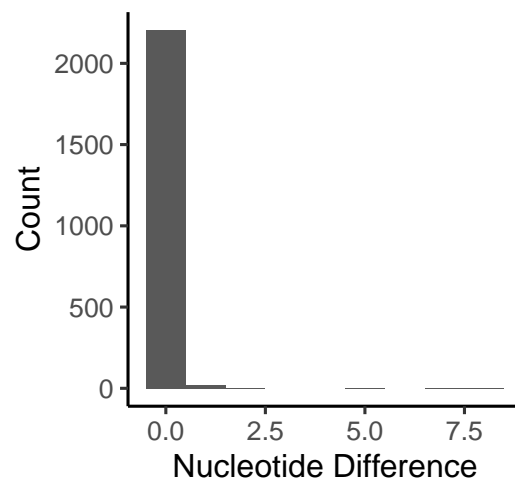
### TRBV27\*ap01

2279 sequences assigned  
2265 (99.4%) exact matches, in which:  
2258 unique CDR3  
13 unique J



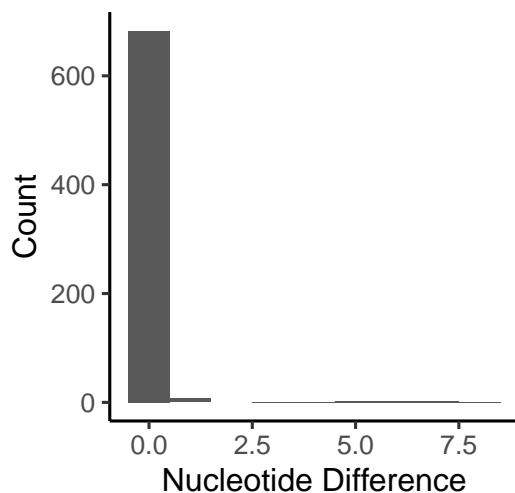
### TRBV9\*ap01

2228 sequences assigned  
2205 (99%) exact matches, in which:  
2202 unique CDR3  
13 unique J



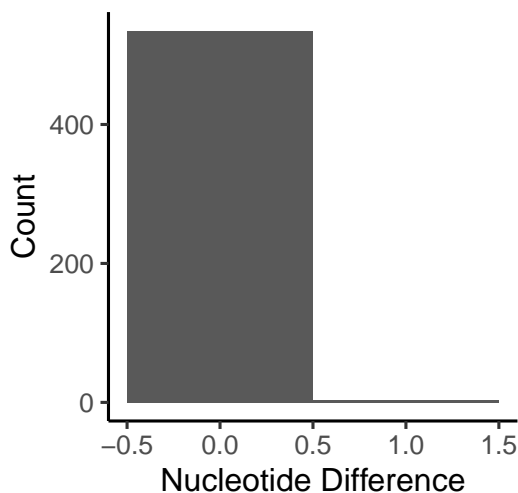
### TRBV21–1\*ap01

700 sequences assigned  
683 (97.6%) exact matches, in which:  
682 unique CDR3  
13 unique J



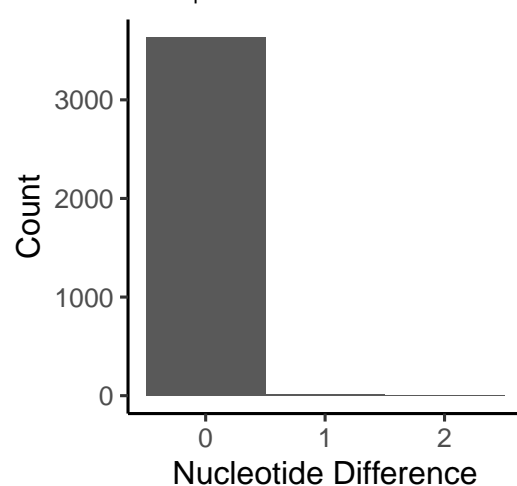
### TRBV11–3\*ap01

538 sequences assigned  
535 (99.4%) exact matches, in which:  
535 unique CDR3  
13 unique J



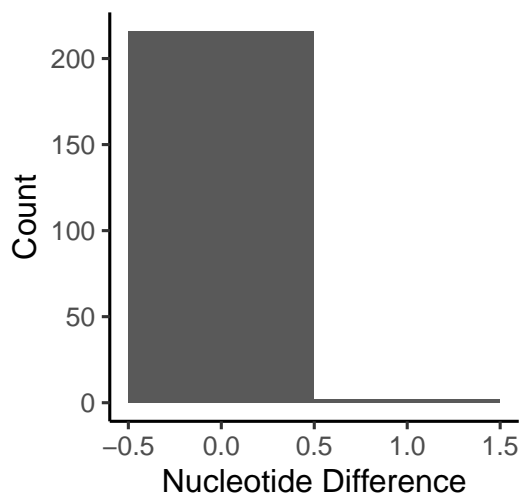
### TRBV12–34\*ap01

3650 sequences assigned  
3633 (99.5%) exact matches, in which:  
3627 unique CDR3  
13 unique J



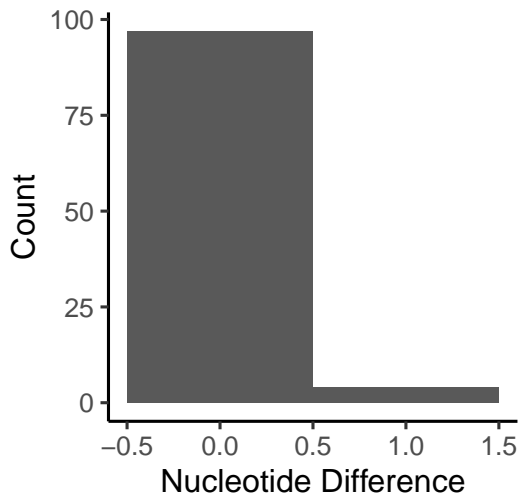
### TRBV11–1\*ap01

218 sequences assigned  
216 (99.1%) exact matches, in which:  
215 unique CDR3  
13 unique J



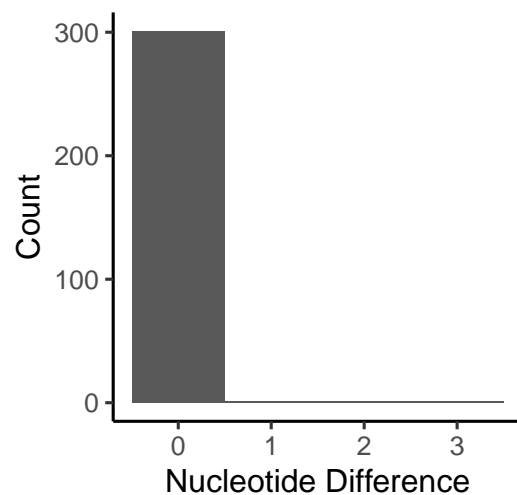
### TRBV12–2\*ap01

101 sequences assigned  
97 (96%) exact matches, in which:  
97 unique CDR3  
13 unique J



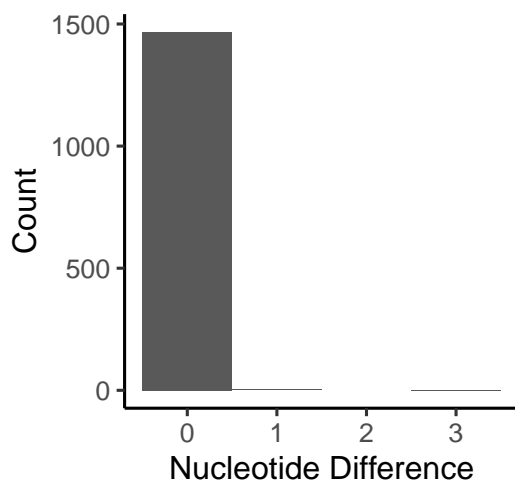
### TRBV23–1\*ap01

304 sequences assigned  
301 (99%) exact matches, in which:  
301 unique CDR3  
13 unique J



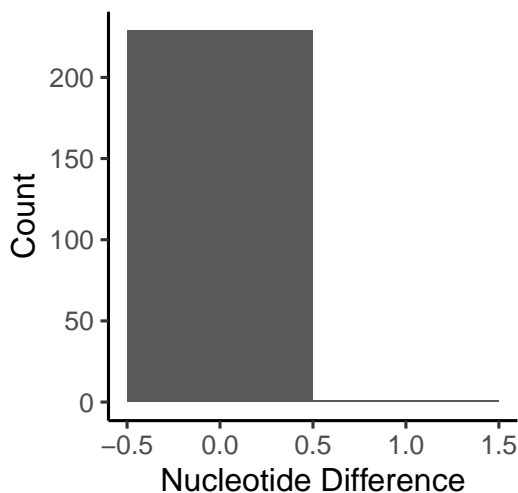
### TRBV11–2\*ap01

1471 sequences assigned  
1467 (99.7%) exact matches, in which:  
1465 unique CDR3  
13 unique J



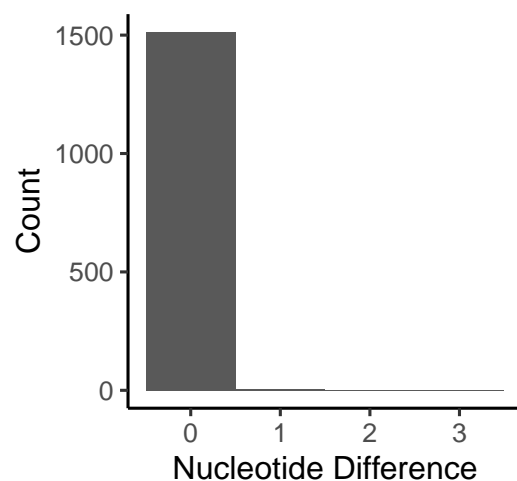
### TRBV12–5\*ap01

230 sequences assigned  
229 (99.6%) exact matches, in which:  
229 unique CDR3  
13 unique J



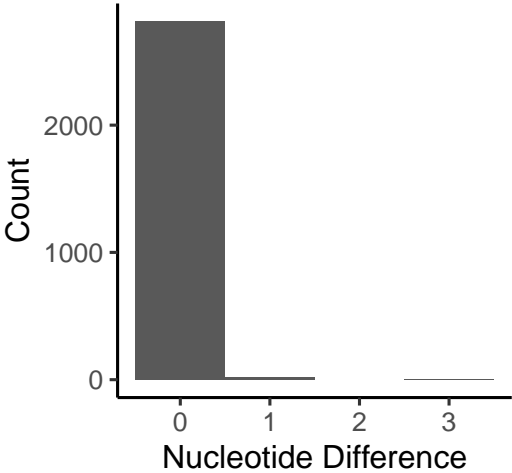
### TRBV3–12\*ap01

1521 sequences assigned  
1513 (99.5%) exact matches, in which:  
1509 unique CDR3  
13 unique J



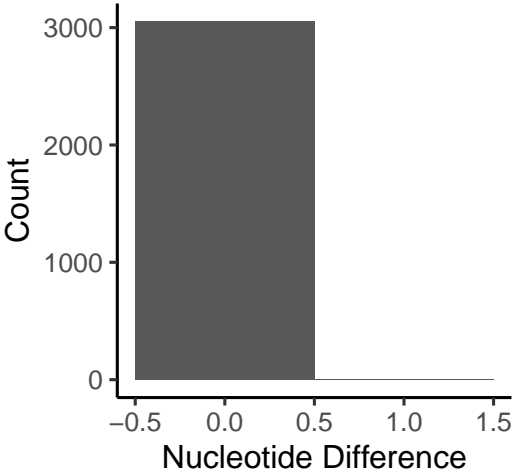
TRBV24-1\*ap01

2833 sequences assigned  
2815 (99.4%) exact matches, in which:  
2802 unique CDR3  
13 unique J



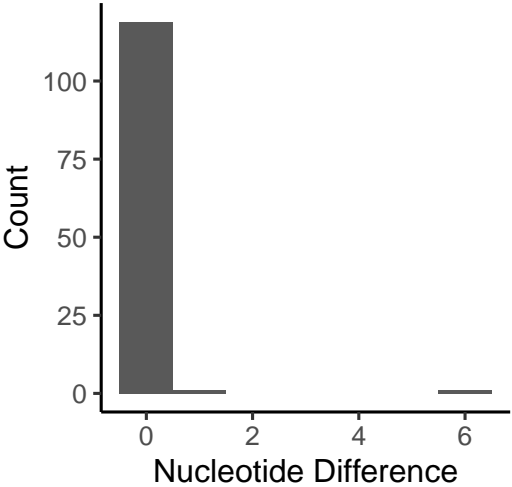
TRBV4-3\*ap01

3061 sequences assigned  
3053 (99.7%) exact matches, in which:  
3046 unique CDR3  
13 unique J



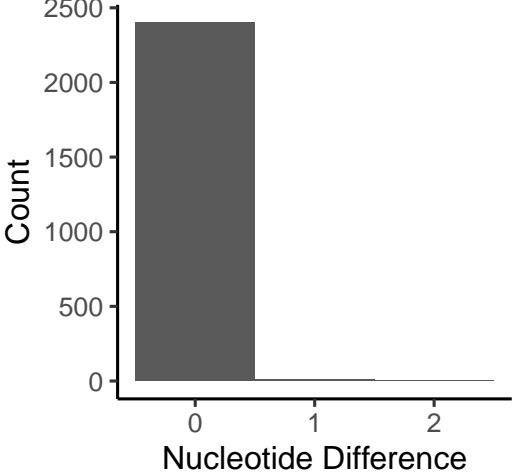
TRBV5-3\*ap01

121 sequences assigned  
119 (98.3%) exact matches, in which:  
117 unique CDR3  
13 unique J



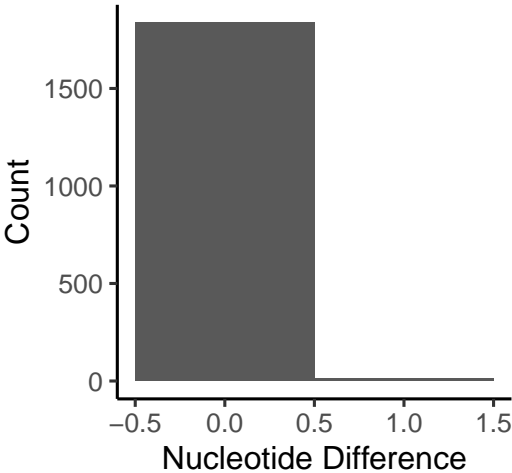
TRBV4-1\*ap01

2413 sequences assigned  
2400 (99.5%) exact matches, in which:  
2390 unique CDR3  
13 unique J



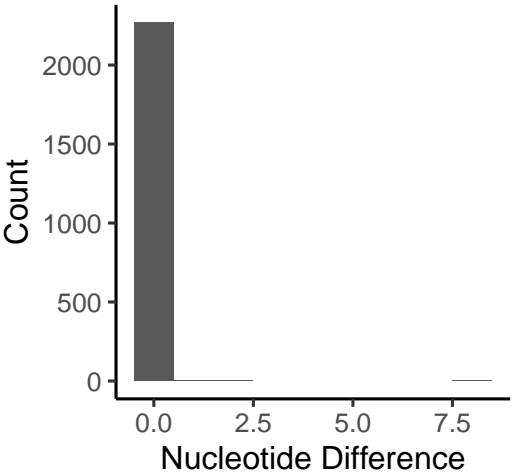
TRBV25-1\*ap01

1851 sequences assigned  
1837 (99.2%) exact matches, in which:  
1828 unique CDR3  
13 unique J



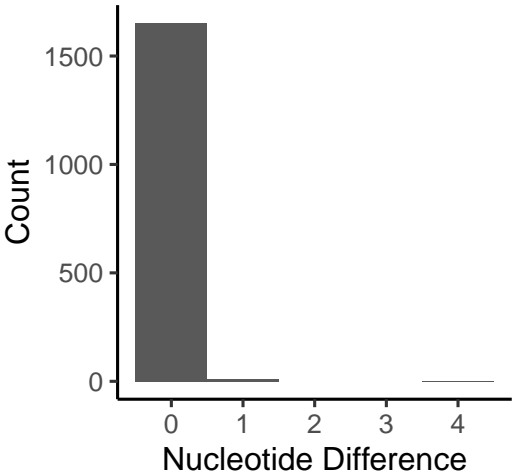
TRBV5-4\*ap01

2277 sequences assigned  
2268 (99.6%) exact matches, in which:  
2268 unique CDR3  
13 unique J



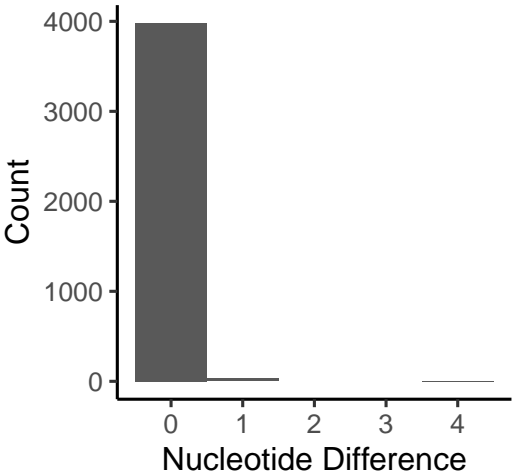
TRBV4-2\*ap01

1665 sequences assigned  
1652 (99.2%) exact matches, in which:  
1649 unique CDR3  
13 unique J



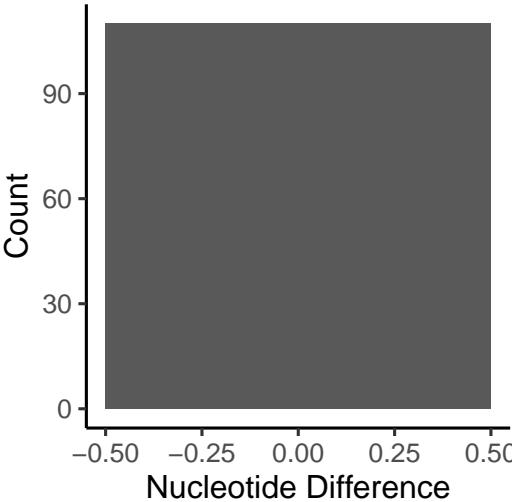
TRBV5-1\*ap01

4012 sequences assigned  
3981 (99.2%) exact matches, in which:  
3973 unique CDR3  
13 unique J



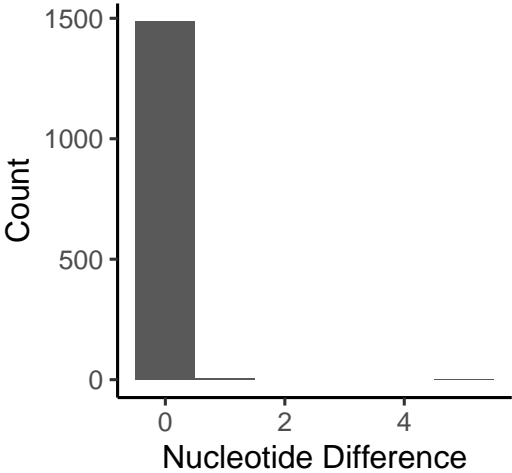
TRBV5-5\*ap01

110 sequences assigned  
110 (100%) exact matches, in which:  
110 unique CDR3  
13 unique J



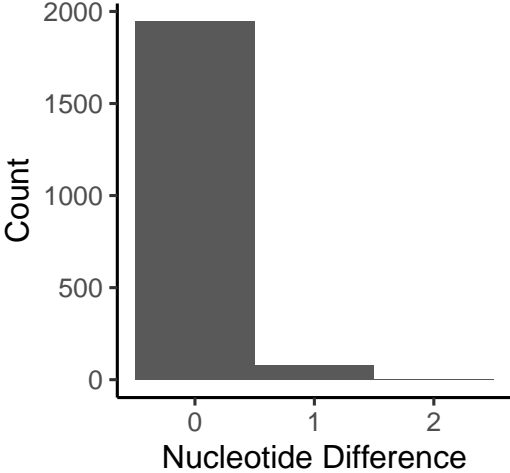
TRBV5-6\*ap01

1495 sequences assigned  
1487 (99.5%) exact matches, in which:  
1483 unique CDR3  
13 unique J



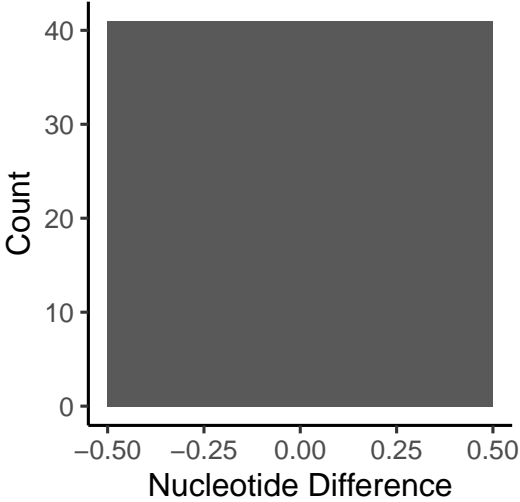
TRBV6-1\*ap01

2025 sequences assigned  
1946 (96.1%) exact matches, in which:  
1936 unique CDR3  
13 unique J



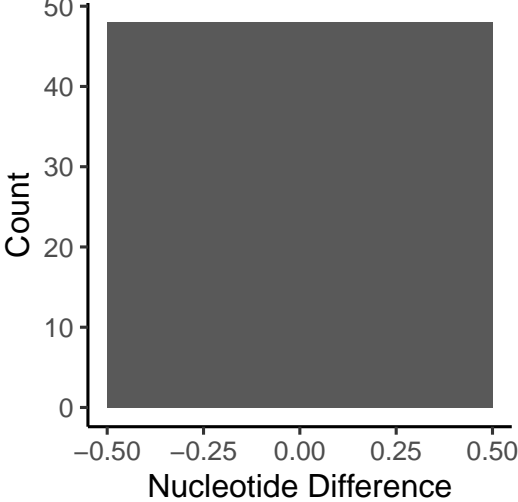
TRBV6-8\*ap01

41 sequences assigned  
41 (100%) exact matches, in which:  
41 unique CDR3  
12 unique J



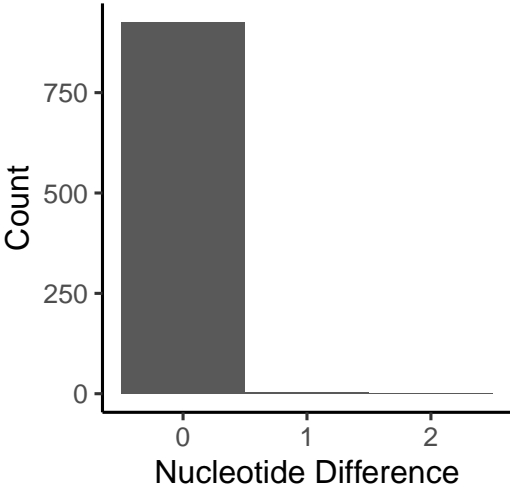
TRBV5-7\*ap01

48 sequences assigned  
48 (100%) exact matches, in which:  
48 unique CDR3  
12 unique J



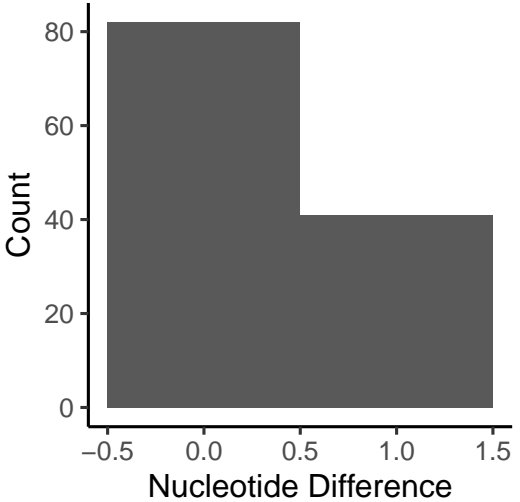
TRBV6-4\*ap01

933 sequences assigned  
926 (99.2%) exact matches, in which:  
926 unique CDR3  
13 unique J



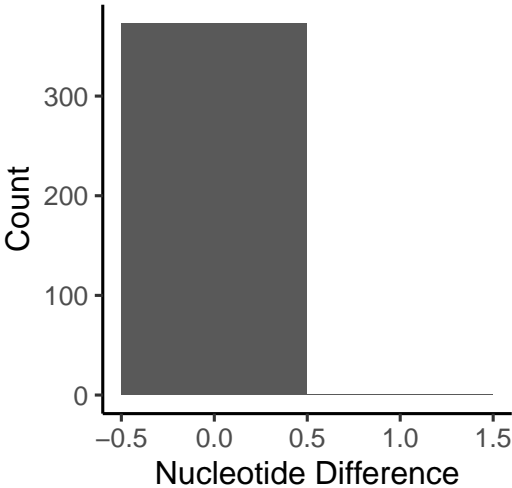
TRBV6-9\*ap01

123 sequences assigned  
82 (66.7%) exact matches, in which:  
81 unique CDR3  
12 unique J



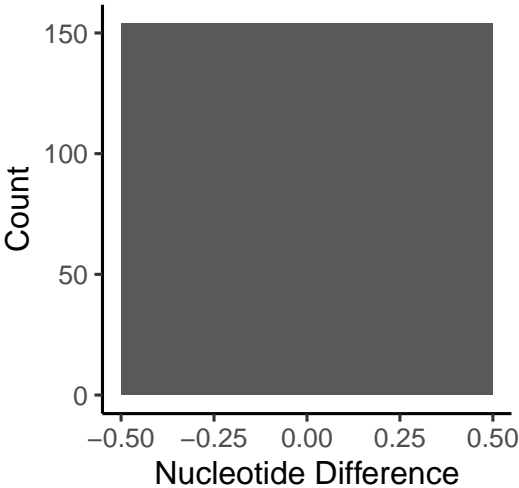
TRBV5-8\*ap01

374 sequences assigned  
373 (99.7%) exact matches, in which:  
373 unique CDR3  
13 unique J



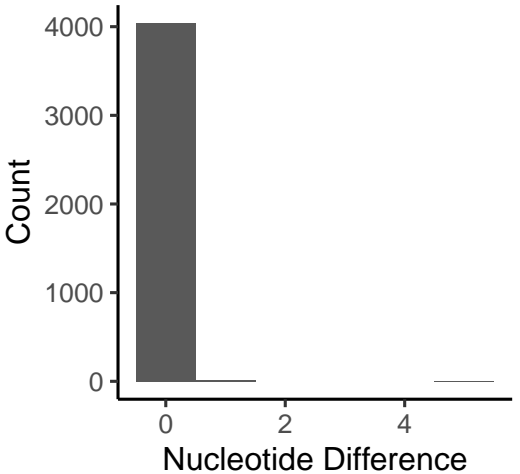
TRBV6-7\*ap01

154 sequences assigned  
154 (100%) exact matches, in which:  
152 unique CDR3  
12 unique J



TRBV6-23\*ap01

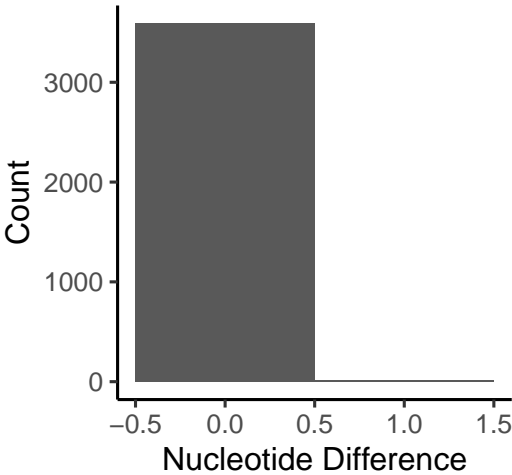
4055 sequences assigned  
4041 (99.7%) exact matches, in which:  
4022 unique CDR3  
13 unique J





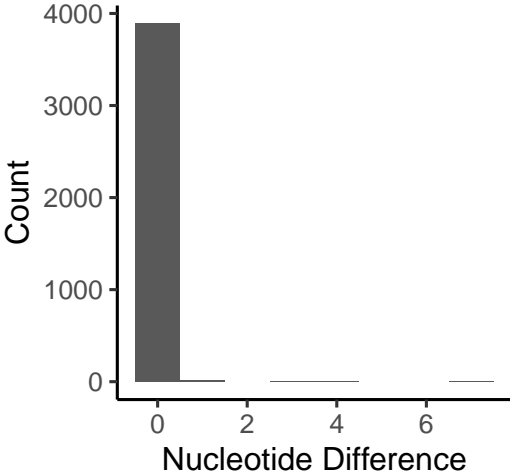
TRBV6-56\*ap01

3603 sequences assigned  
3590 (99.6%) exact matches, in which:  
3575 unique CDR3  
13 unique J



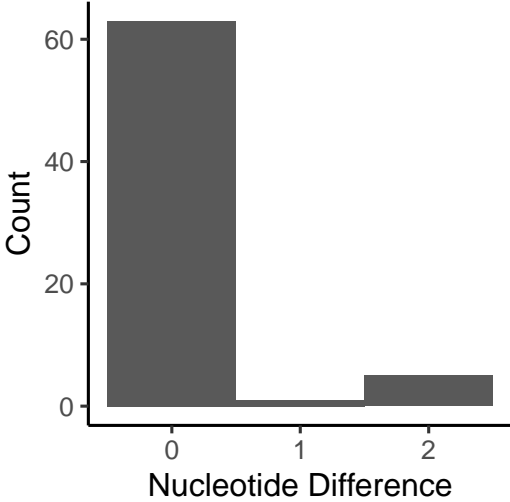
TRBV7-2\*ap01

3911 sequences assigned  
3892 (99.5%) exact matches, in which:  
3890 unique CDR3  
13 unique J



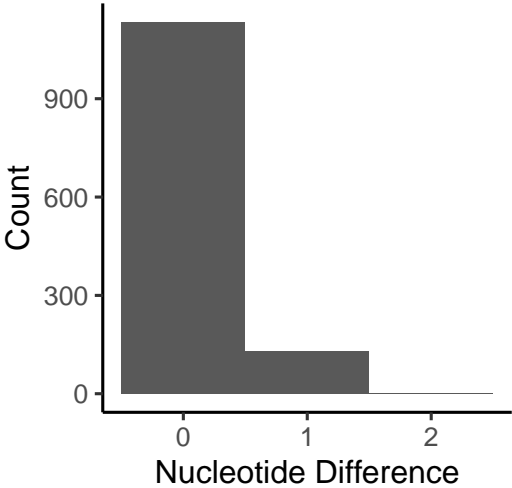
TRBV7-4\*ap01

69 sequences assigned  
63 (91.3%) exact matches, in which:  
62 unique CDR3  
12 unique J



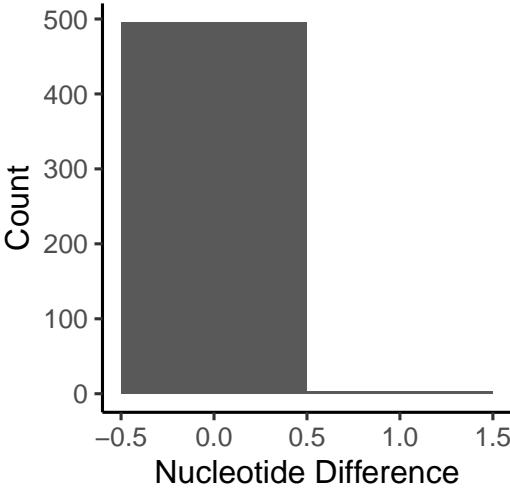
TRBV6-56\*ap02

1266 sequences assigned  
1134 (89.6%) exact matches, in which:  
1130 unique CDR3  
13 unique J



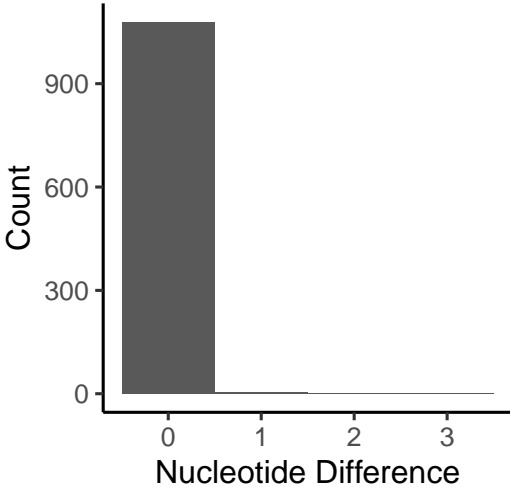
TRBV7-3\*ap01

499 sequences assigned  
496 (99.4%) exact matches, in which:  
496 unique CDR3  
13 unique J



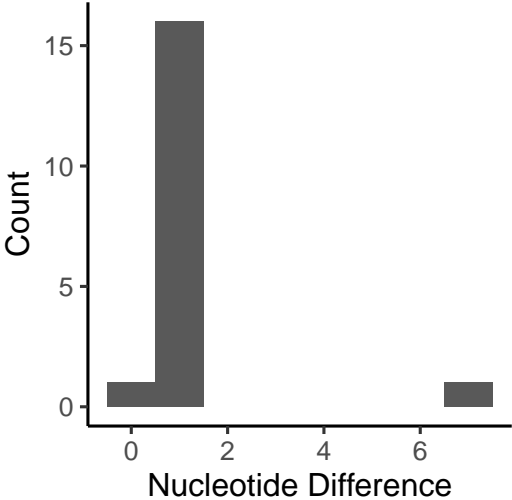
TRBV7-6\*ap01

1086 sequences assigned  
1079 (99.4%) exact matches, in which:  
1079 unique CDR3  
13 unique J



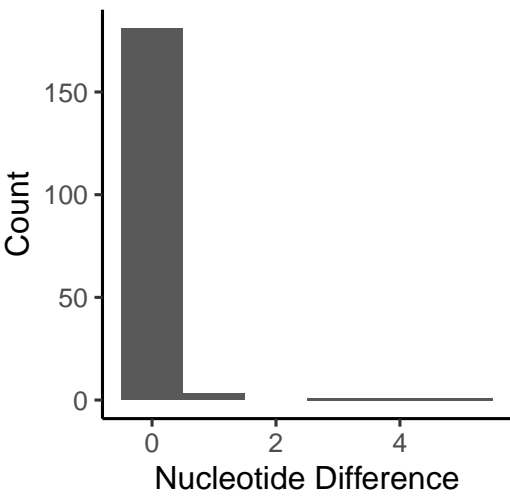
TRBV7-1\*ap01\_T296C

18 sequences assigned  
1 (5.6%) exact matches, in which:  
1 unique CDR3  
1 unique J



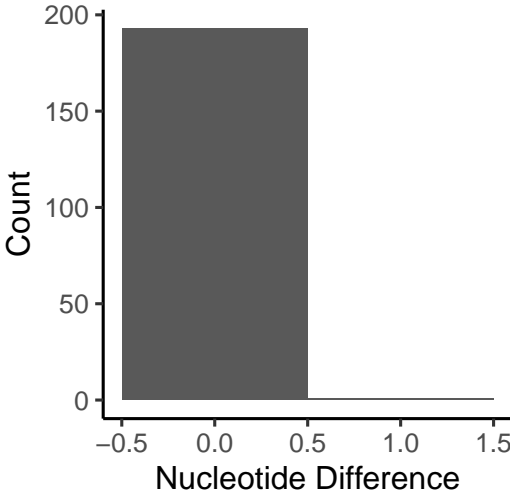
TRBV7-3\*ap03

187 sequences assigned  
181 (96.8%) exact matches, in which:  
180 unique CDR3  
12 unique J



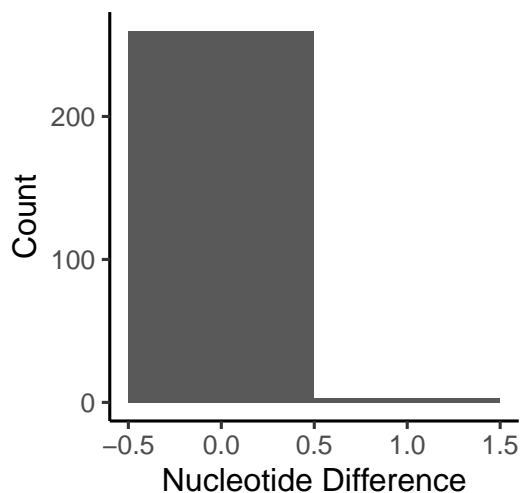
TRBV7-7\*ap01

194 sequences assigned  
193 (99.5%) exact matches, in which:  
193 unique CDR3  
12 unique J



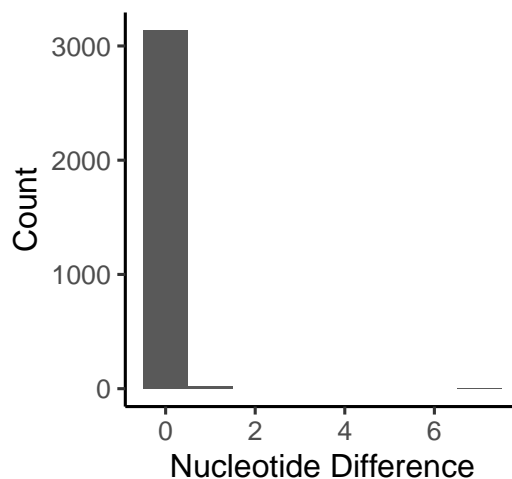
### TRBV7-7\*ap01\_C315T

263 sequences assigned  
260 (98.9%) exact matches, in which:  
259 unique CDR3  
13 unique J



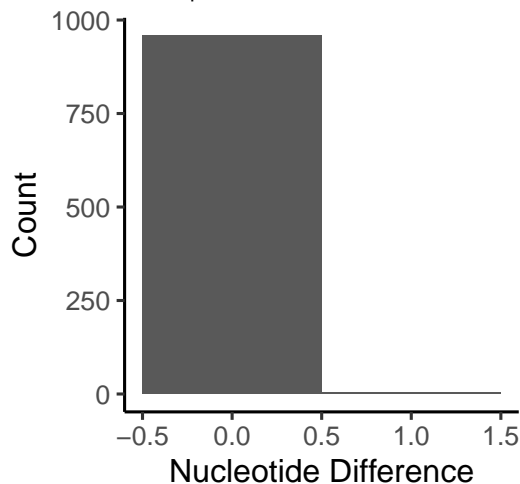
### TRBV7-9\*ap01

3156 sequences assigned  
3136 (99.4%) exact matches, in which:  
3131 unique CDR3  
13 unique J



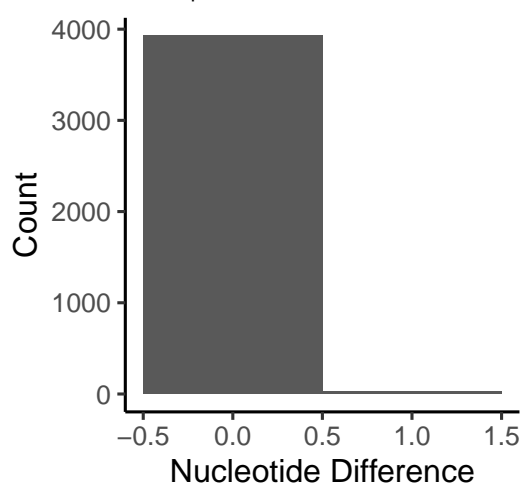
### TRBV7-8\*ap01

962 sequences assigned  
958 (99.6%) exact matches, in which:  
958 unique CDR3  
13 unique J



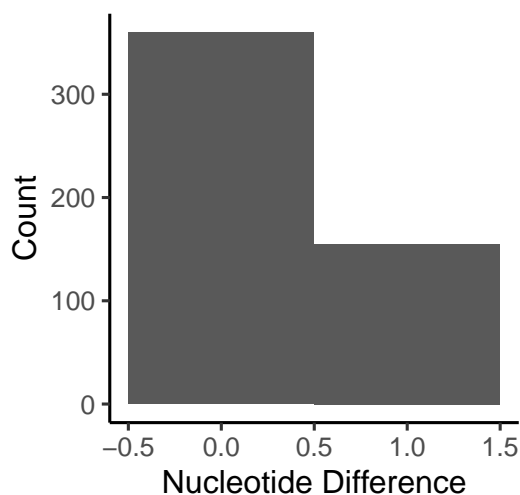
### TRBV29-1\*ap01

3958 sequences assigned  
3928 (99.2%) exact matches, in which:  
3888 unique CDR3  
13 unique J



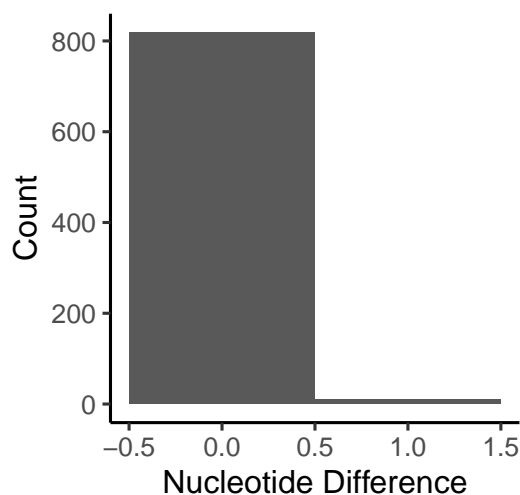
### TRBV7-8\*ap03

515 sequences assigned  
360 (69.9%) exact matches, in which:  
358 unique CDR3  
13 unique J

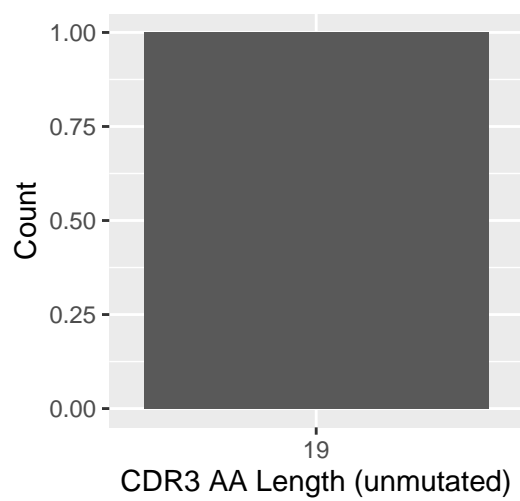


### TRBV29-1\*ap02

829 sequences assigned  
819 (98.8%) exact matches, in which:  
809 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

