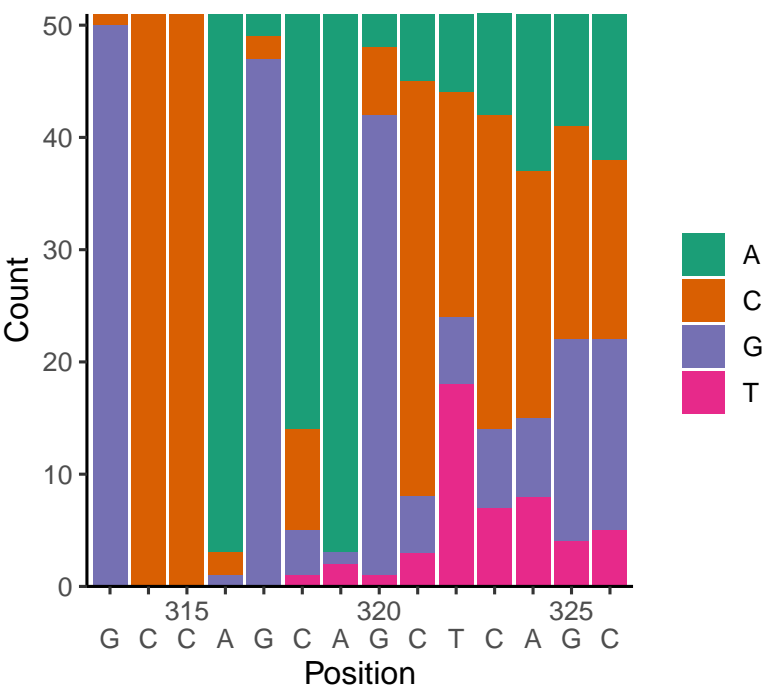
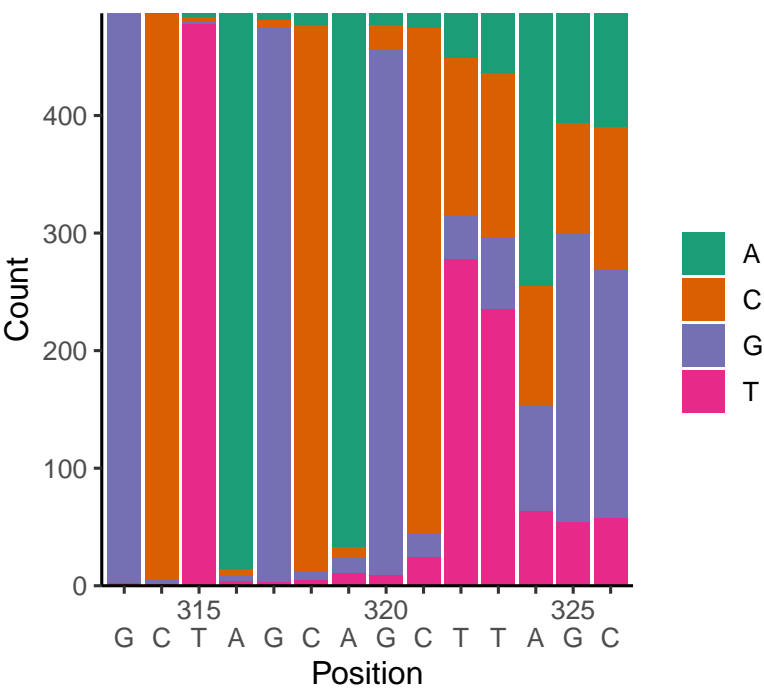


Gene TRBV7-1\*ap01\_T296C



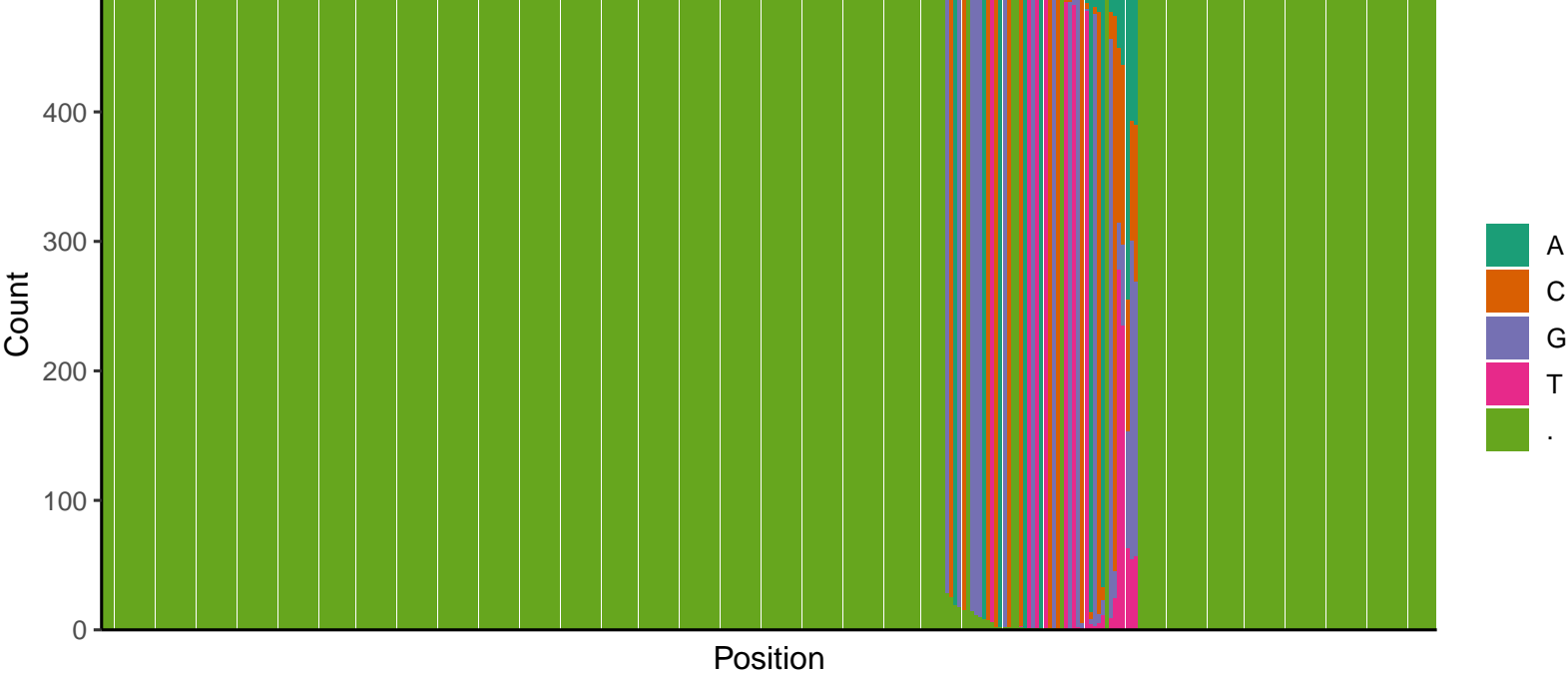
Gene TRBV7-7\*ap01\_C315T



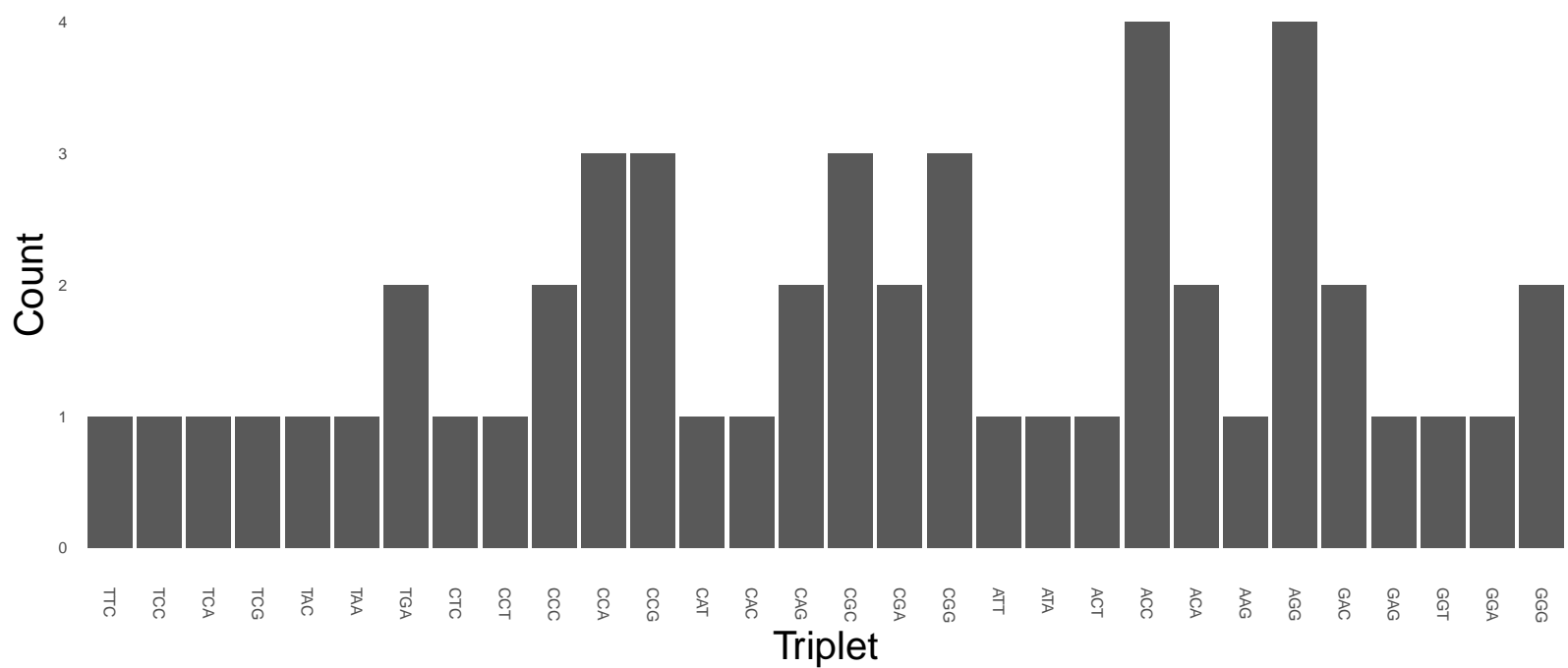
Gene TRBV7-1\*ap01\_T296C



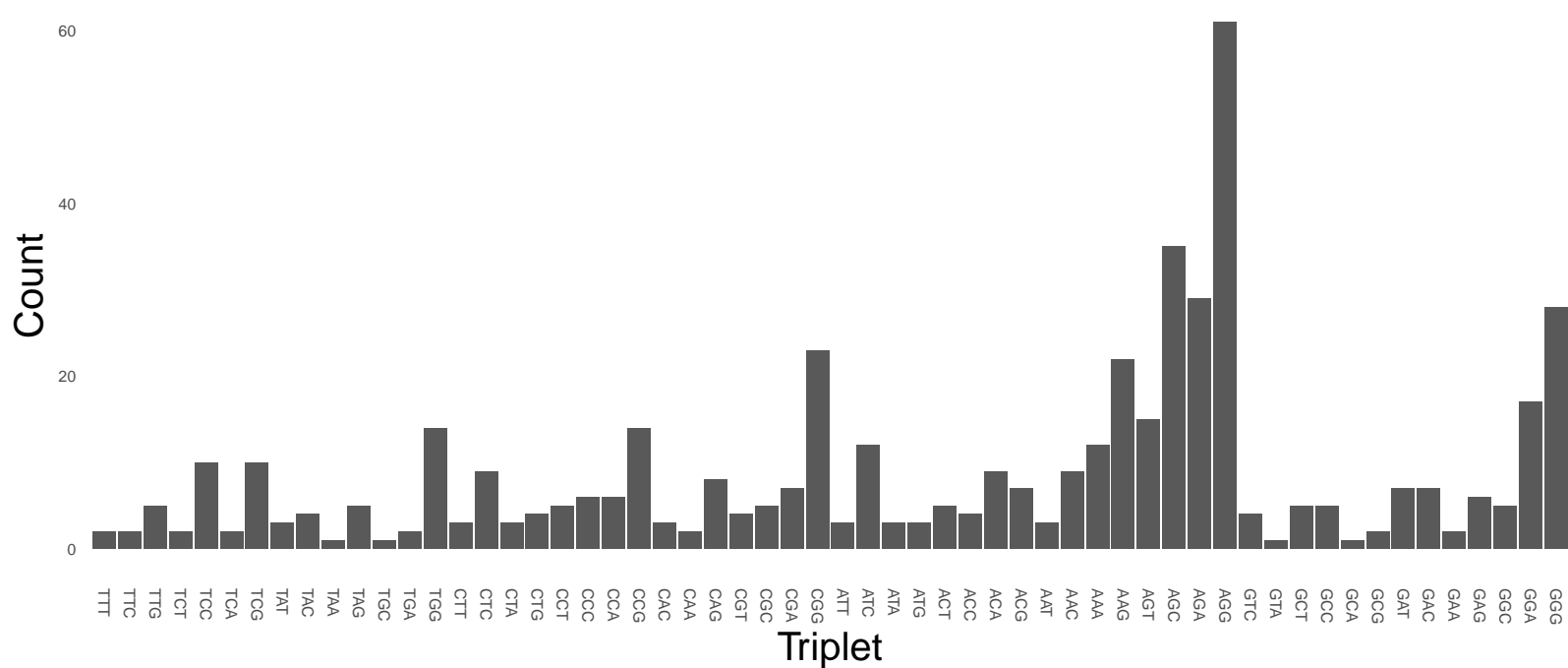
Gene TRBV7-7\*ap01\_C315T



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

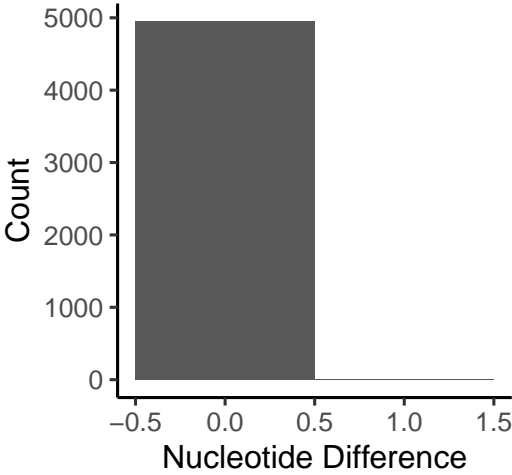


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



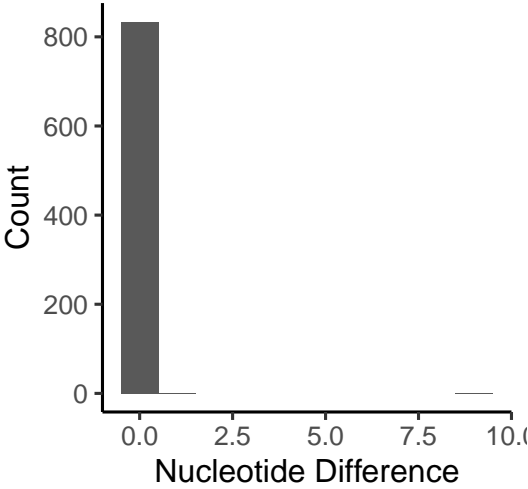
TRBV20-1\*ap01

4958 sequences assigned  
4950 (99.8%) exact matches, in which:  
4936 unique CDR3  
13 unique J



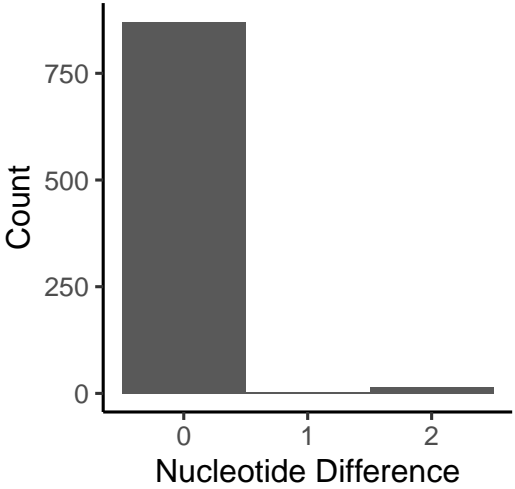
TRBV10-2\*ap01

836 sequences assigned  
834 (99.8%) exact matches, in which:  
833 unique CDR3  
13 unique J



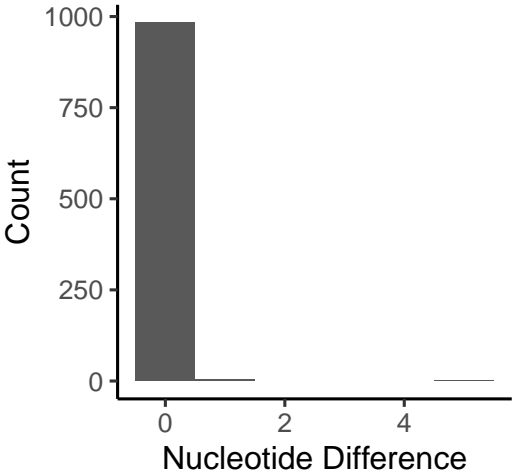
TRBV13\*ap01

889 sequences assigned  
871 (98%) exact matches, in which:  
870 unique CDR3  
13 unique J



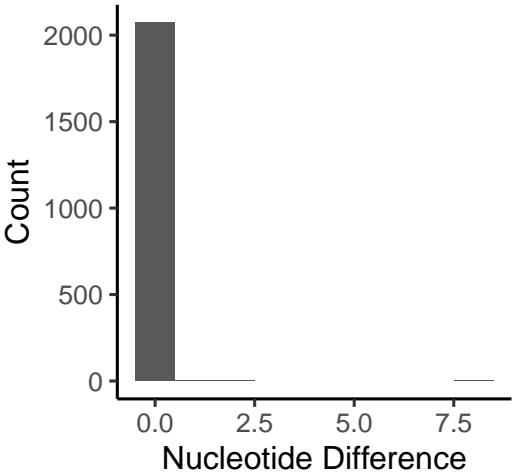
TRBV10-1\*ap01

989 sequences assigned  
983 (99.4%) exact matches, in which:  
982 unique CDR3  
13 unique J



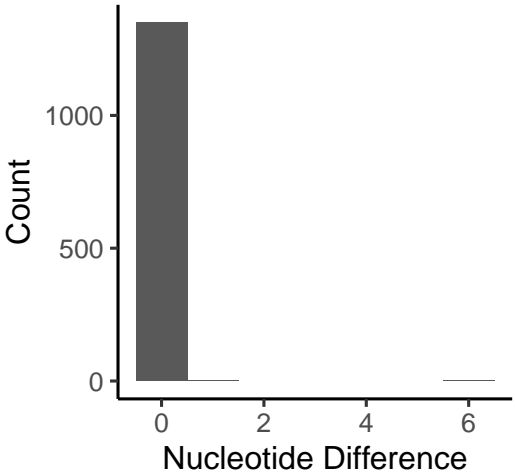
TRBV10-3\*ap01

2079 sequences assigned  
2072 (99.7%) exact matches, in which:  
2070 unique CDR3  
13 unique J



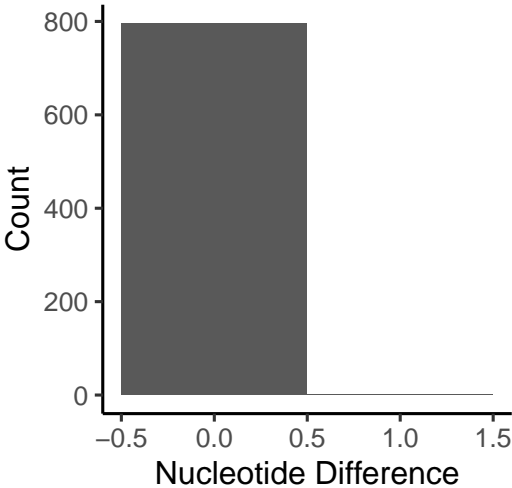
TRBV14\*ap01

1351 sequences assigned  
1349 (99.9%) exact matches, in which:  
1348 unique CDR3  
13 unique J



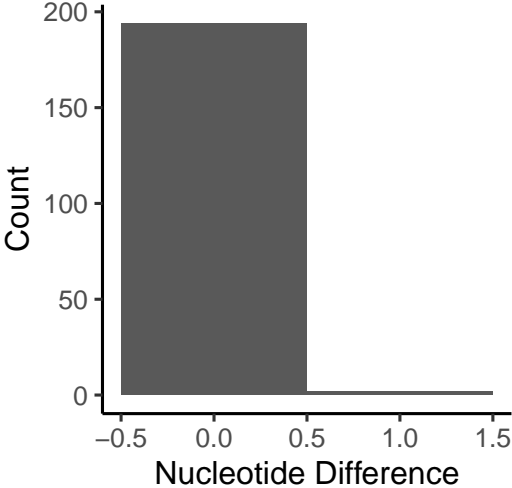
TRBV20-1\*ap02

797 sequences assigned  
796 (99.9%) exact matches, in which:  
791 unique CDR3  
13 unique J



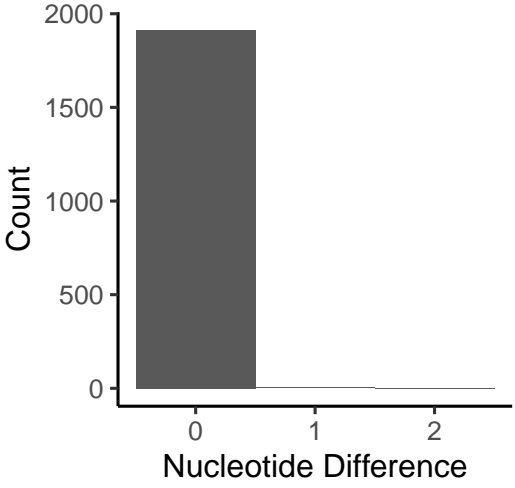
TRBV1\*ap01

196 sequences assigned  
194 (99%) exact matches, in which:  
193 unique CDR3  
13 unique J



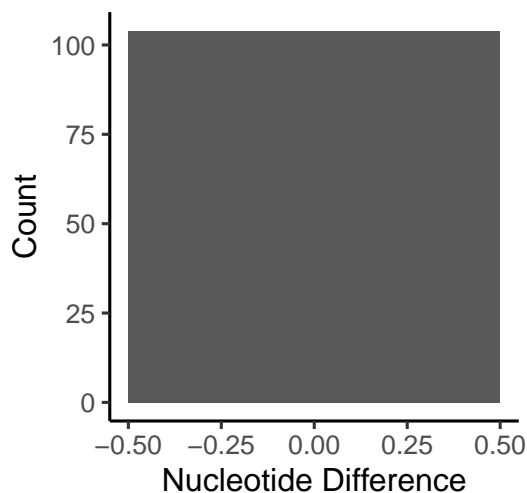
TRBV15\*ap02

1920 sequences assigned  
1913 (99.6%) exact matches, in which:  
1910 unique CDR3  
13 unique J



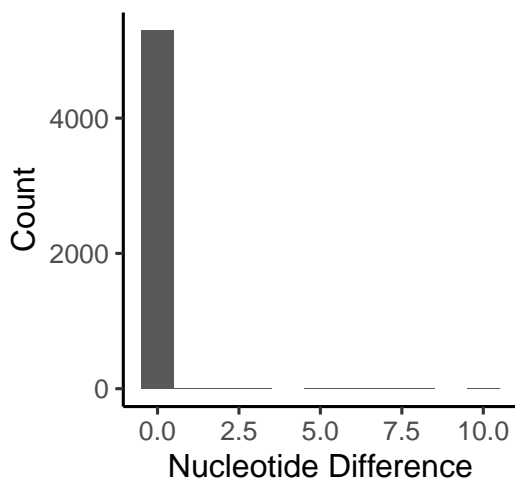
### TRBV16\*ap01

104 sequences assigned  
104 (100%) exact matches, in which:  
104 unique CDR3  
13 unique J



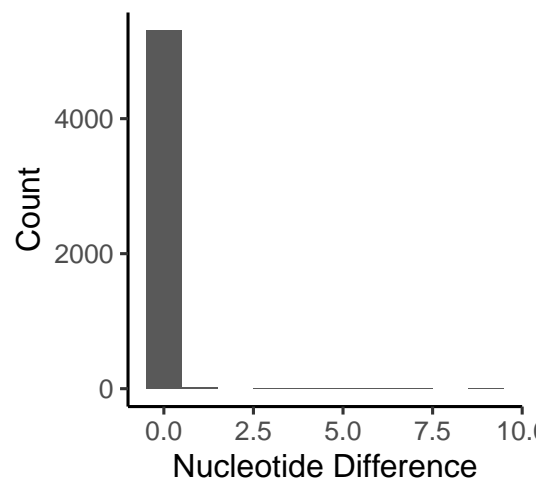
### TRBV19\*ap01

5318 sequences assigned  
5297 (99.6%) exact matches, in which:  
5297 unique CDR3  
13 unique J



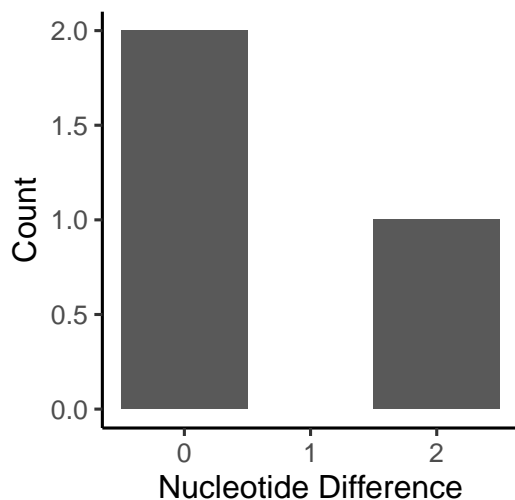
### TRBV27\*ap01

5331 sequences assigned  
5307 (99.5%) exact matches, in which:  
5296 unique CDR3  
13 unique J



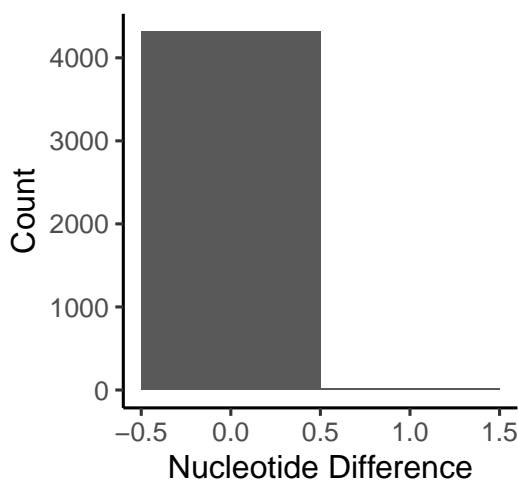
### TRBV17\*ap01

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



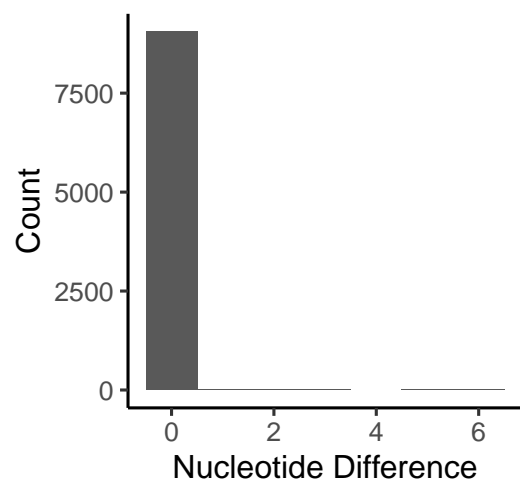
### TRBV2\*ap01

4328 sequences assigned  
4314 (99.7%) exact matches, in which:  
4302 unique CDR3  
13 unique J



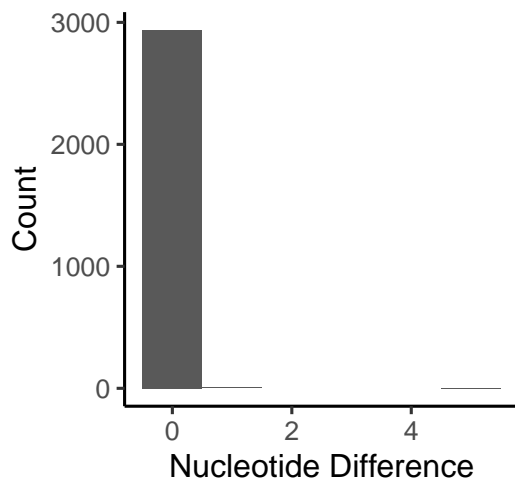
### TRBV28\*ap01

9077 sequences assigned  
9052 (99.7%) exact matches, in which:  
9034 unique CDR3  
13 unique J



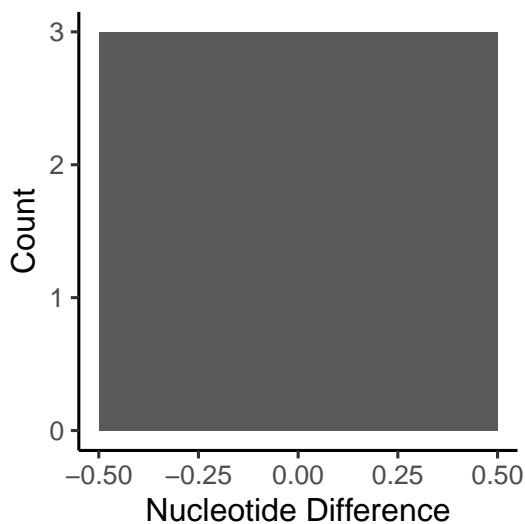
### TRBV18\*ap01

2944 sequences assigned  
2937 (99.8%) exact matches, in which:  
2936 unique CDR3  
13 unique J



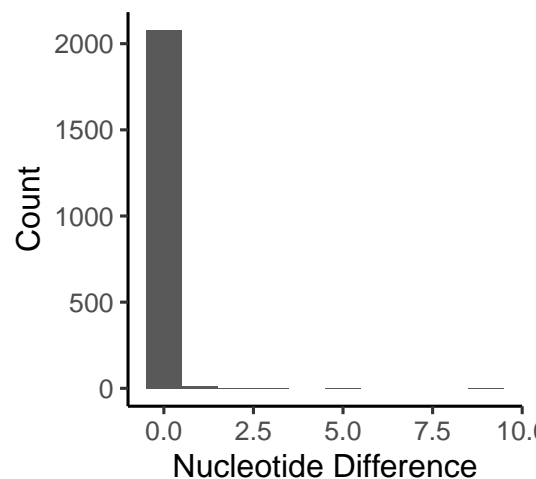
### TRBV26\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



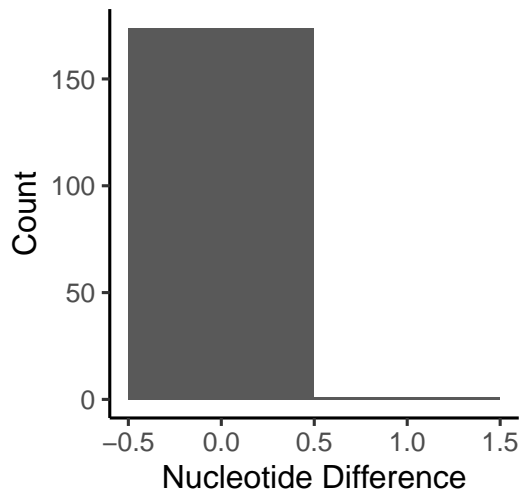
### TRBV30\*ap01

2097 sequences assigned  
2079 (99.1%) exact matches, in which:  
2074 unique CDR3  
13 unique J



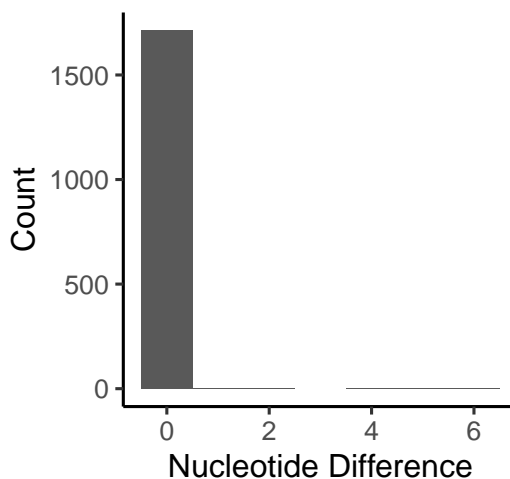
### TRBV30\*ap02

175 sequences assigned  
174 (99.4%) exact matches, in which:  
174 unique CDR3  
13 unique J



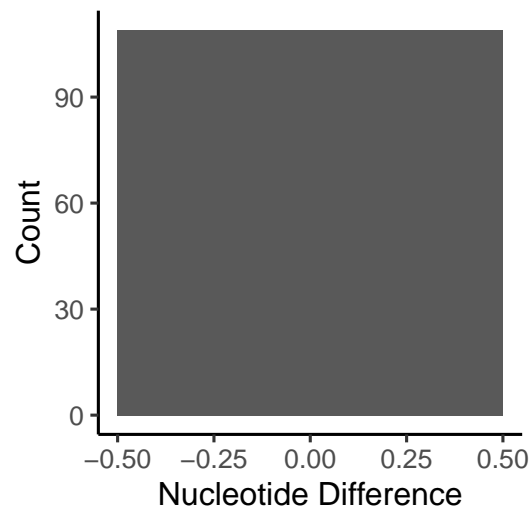
### TRBV21-1\*ap01

1722 sequences assigned  
1713 (99.5%) exact matches, in which:  
1712 unique CDR3  
13 unique J



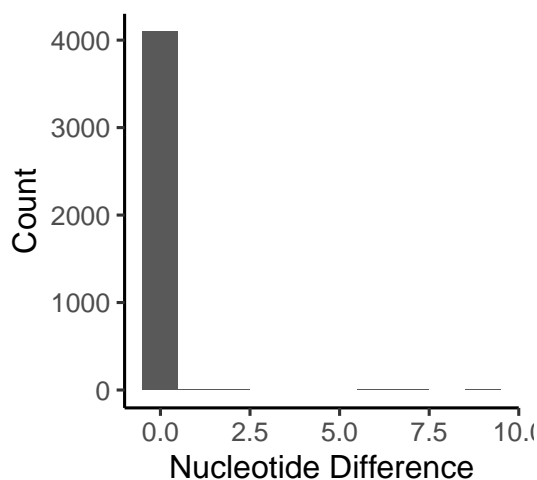
### TRBV12-1\*ap01

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



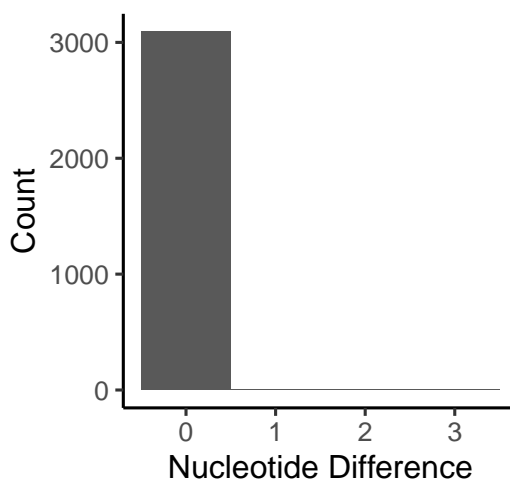
### TRBV9\*ap01

4110 sequences assigned  
4096 (99.7%) exact matches, in which:  
4087 unique CDR3  
13 unique J



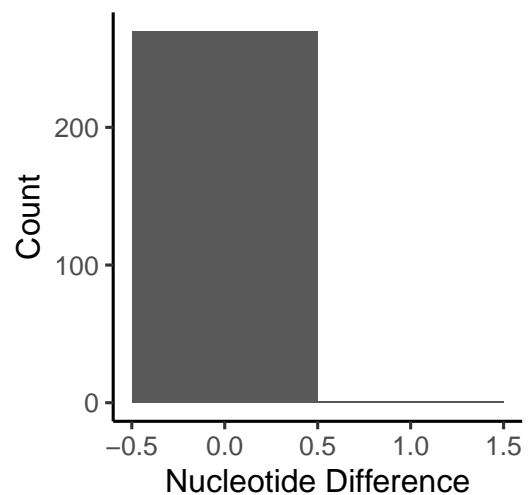
### TRBV11-2\*ap01

3097 sequences assigned  
3092 (99.8%) exact matches, in which:  
3091 unique CDR3  
13 unique J



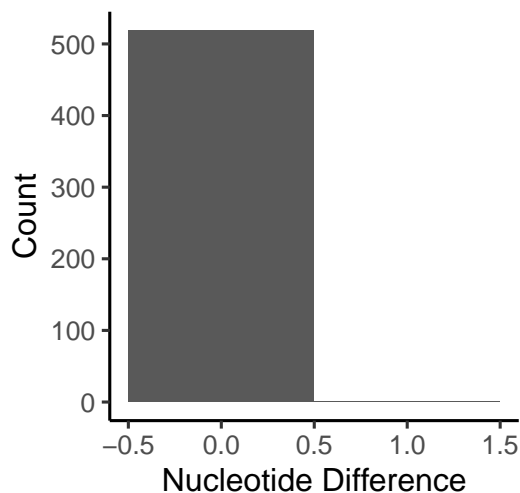
### TRBV12-2\*ap01

271 sequences assigned  
270 (99.6%) exact matches, in which:  
270 unique CDR3  
13 unique J



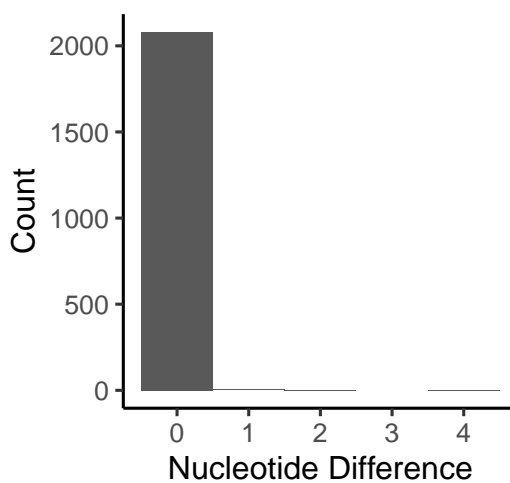
### TRBV11-1\*ap01

520 sequences assigned  
519 (99.8%) exact matches, in which:  
519 unique CDR3  
13 unique J



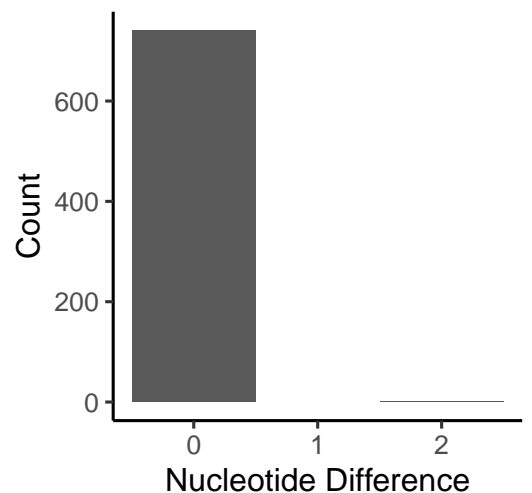
### TRBV11-3\*ap01

2087 sequences assigned  
2080 (99.7%) exact matches, in which:  
2074 unique CDR3  
13 unique J



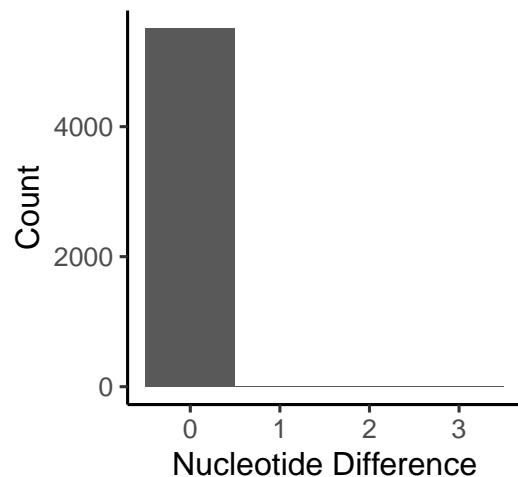
### TRBV12-5\*ap01

742 sequences assigned  
741 (99.9%) exact matches, in which:  
741 unique CDR3  
13 unique J



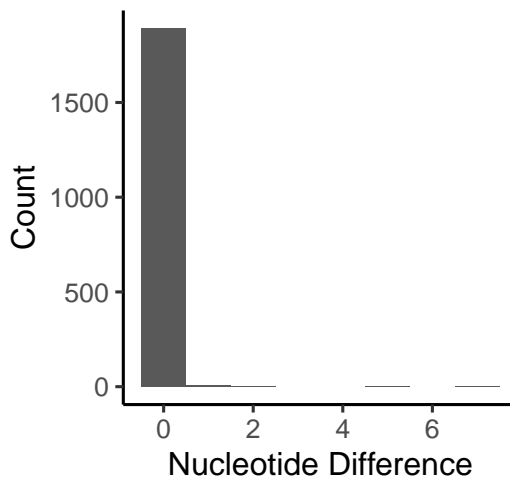
### TRBV12-34\*ap01

5520 sequences assigned  
5511 (99.8%) exact matches, in which:  
5507 unique CDR3  
13 unique J



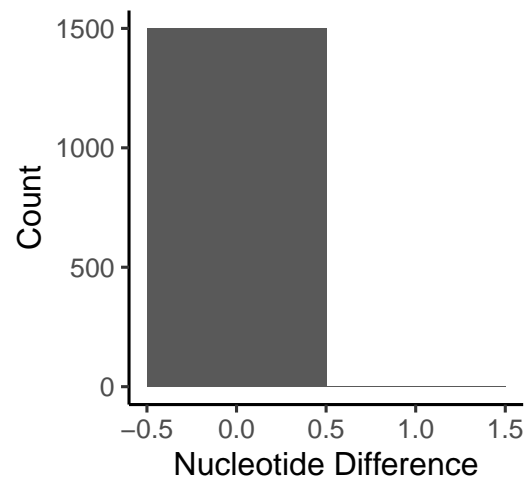
### TRBV24-1\*ap01

1902 sequences assigned  
1891 (99.4%) exact matches, in which:  
1889 unique CDR3  
13 unique J



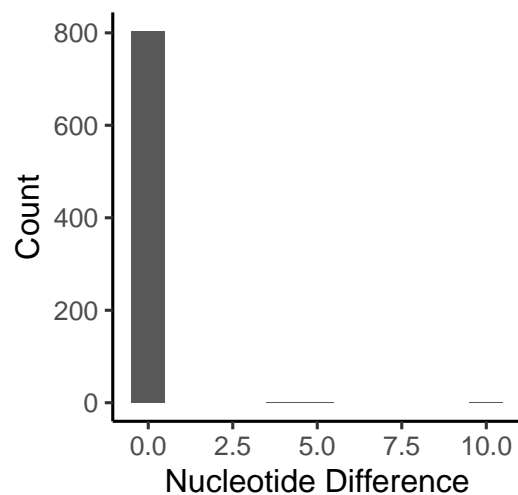
### TRBV4-3\*ap01

1503 sequences assigned  
1500 (99.8%) exact matches, in which:  
1494 unique CDR3  
13 unique J



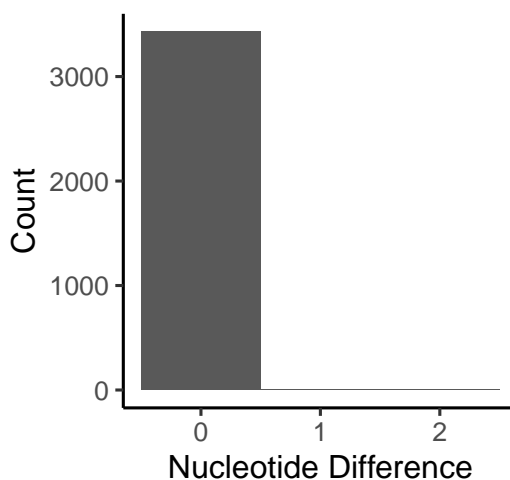
### TRBV23-1\*ap01

807 sequences assigned  
804 (99.6%) exact matches, in which:  
804 unique CDR3  
13 unique J



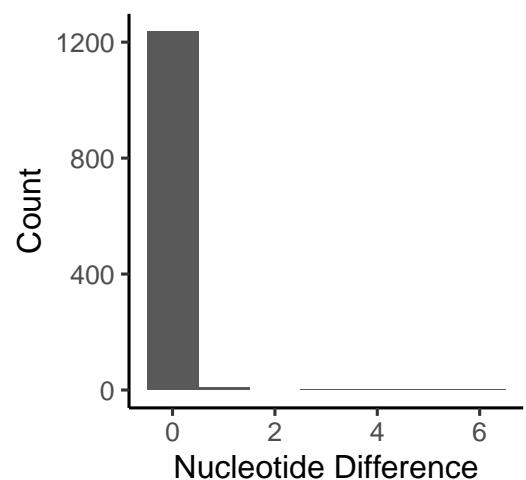
### TRBV4-1\*ap01

3437 sequences assigned  
3429 (99.8%) exact matches, in which:  
3423 unique CDR3  
13 unique J



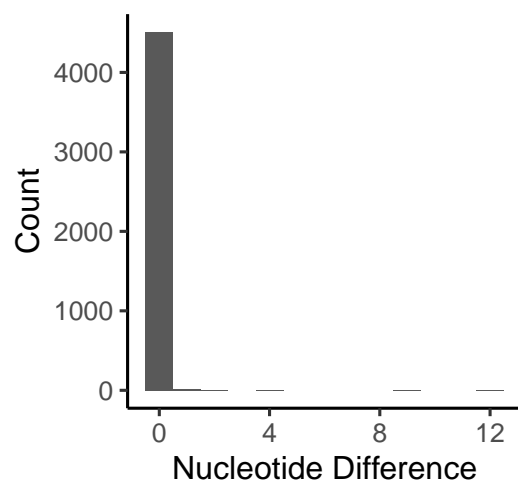
### TRBV25-1\*ap01

1249 sequences assigned  
1236 (99%) exact matches, in which:  
1234 unique CDR3  
13 unique J



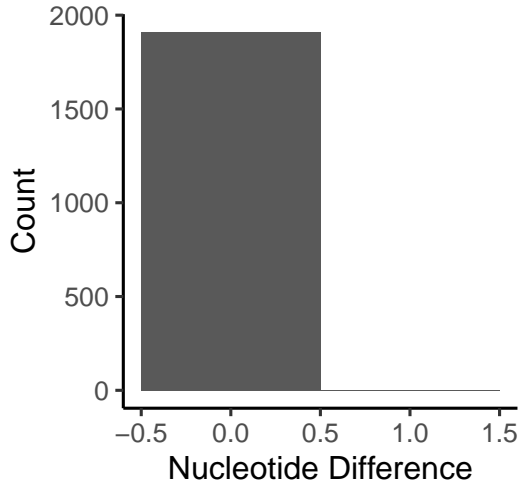
### TRBV3-12\*ap01

4528 sequences assigned  
4508 (99.6%) exact matches, in which:  
4500 unique CDR3  
13 unique J



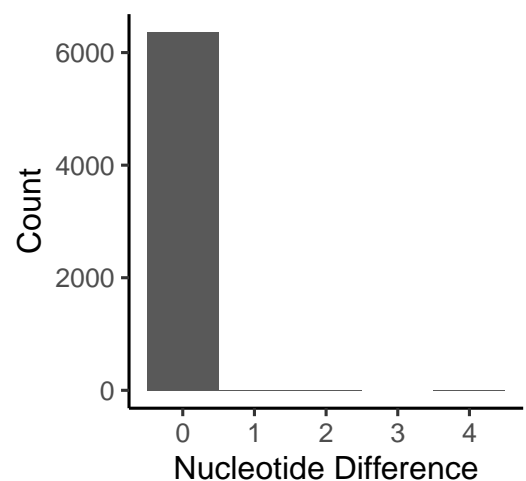
### TRBV4-2\*ap01

1912 sequences assigned  
1910 (99.9%) exact matches, in which:  
1907 unique CDR3  
13 unique J



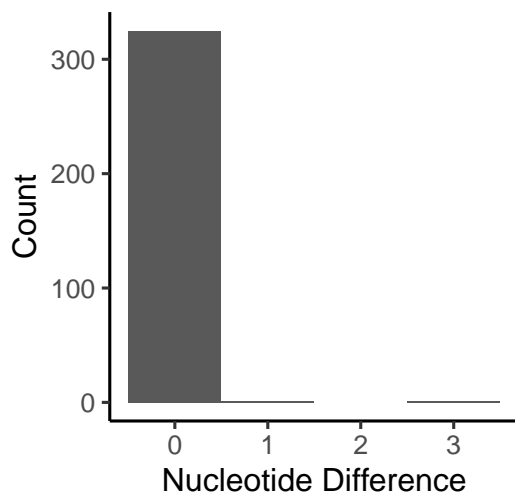
### TRBV5-1\*ap01

6380 sequences assigned  
6365 (99.8%) exact matches, in which:  
6346 unique CDR3  
13 unique J



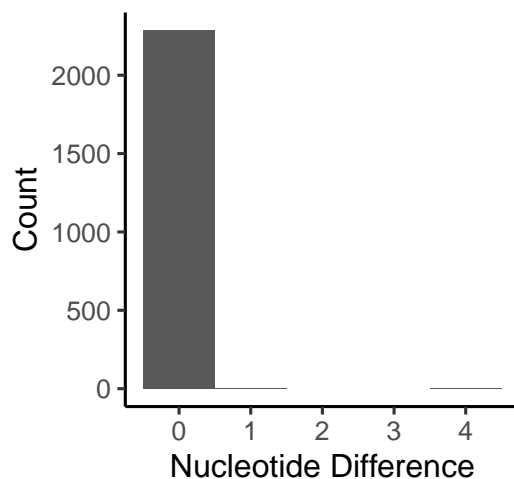
### TRBV5-3\*ap01

327 sequences assigned  
325 (99.4%) exact matches, in which:  
325 unique CDR3  
13 unique J



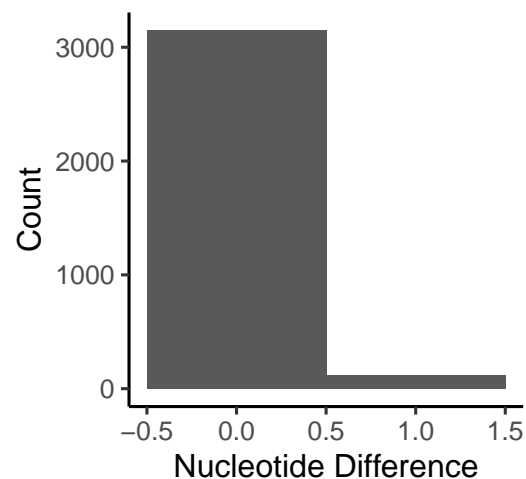
### TRBV5-6\*ap01

2293 sequences assigned  
2286 (99.7%) exact matches, in which:  
2280 unique CDR3  
13 unique J



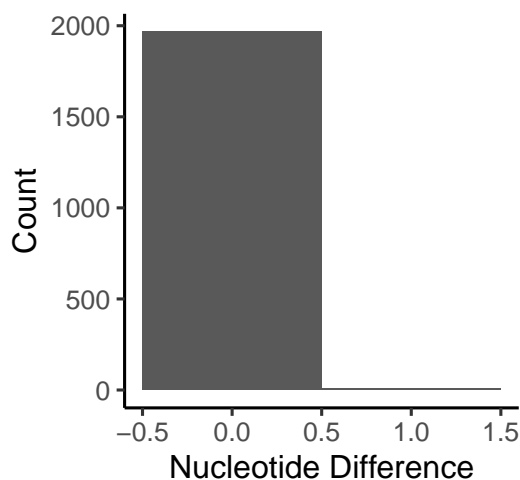
### TRBV6-1\*ap01

3269 sequences assigned  
3148 (96.3%) exact matches, in which:  
3140 unique CDR3  
13 unique J



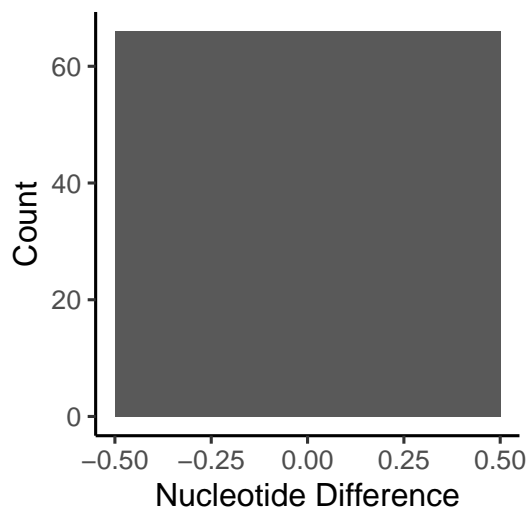
### TRBV5-4\*ap01

1973 sequences assigned  
1967 (99.7%) exact matches, in which:  
1964 unique CDR3  
13 unique J



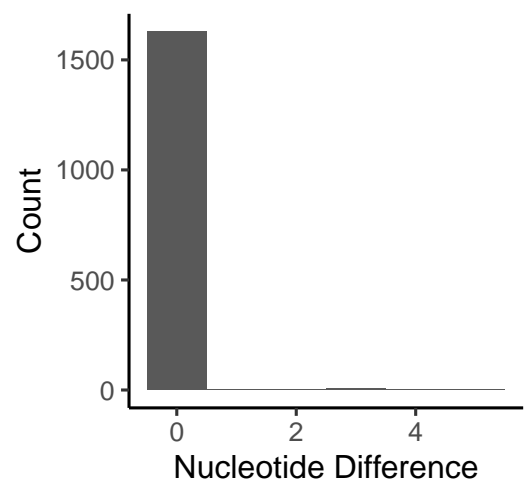
### TRBV5-7\*ap01

66 sequences assigned  
66 (100%) exact matches, in which:  
66 unique CDR3  
12 unique J



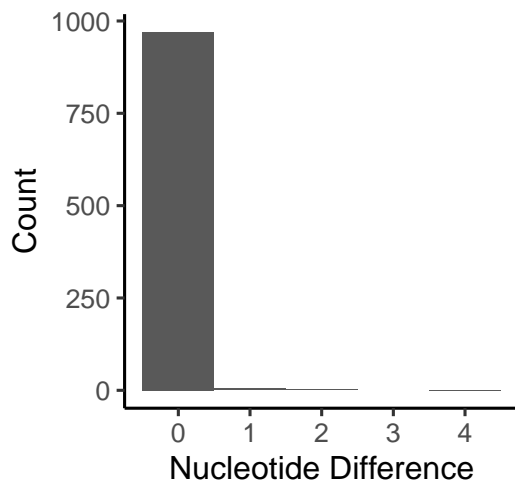
### TRBV6-4\*ap01

1641 sequences assigned  
1628 (99.2%) exact matches, in which:  
1625 unique CDR3  
13 unique J



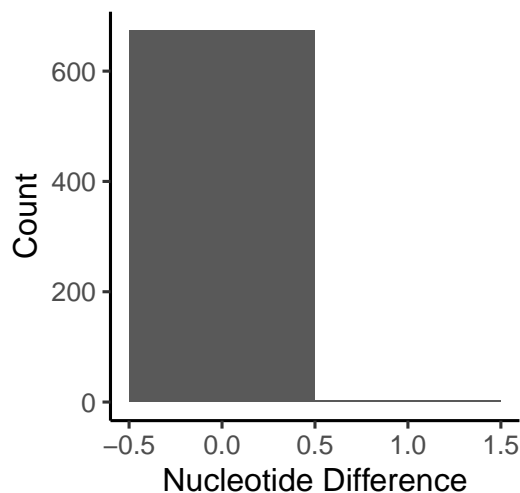
### TRBV5-5\*ap01

978 sequences assigned  
970 (99.2%) exact matches, in which:  
969 unique CDR3  
13 unique J



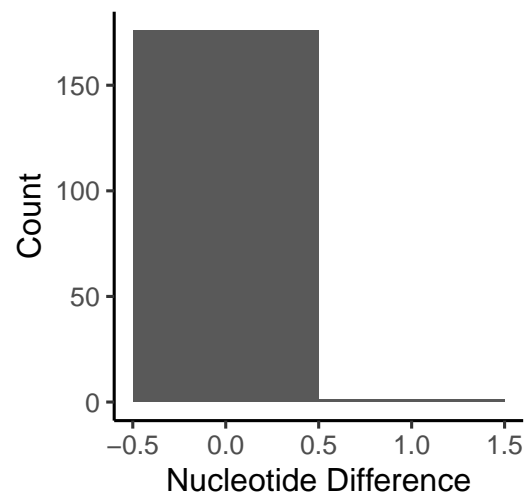
### TRBV5-8\*ap01

676 sequences assigned  
674 (99.7%) exact matches, in which:  
673 unique CDR3  
13 unique J



### TRBV6-7\*ap01

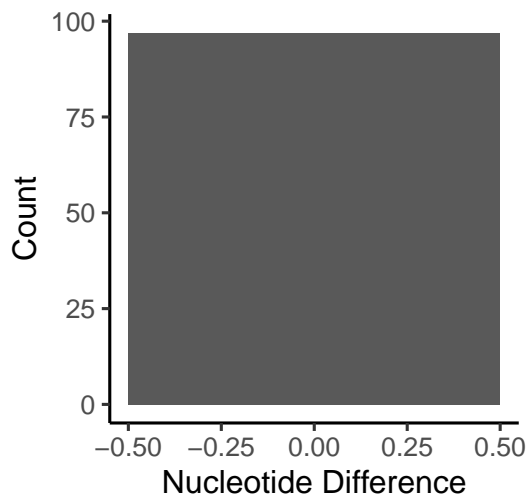
177 sequences assigned  
176 (99.4%) exact matches, in which:  
176 unique CDR3  
13 unique J





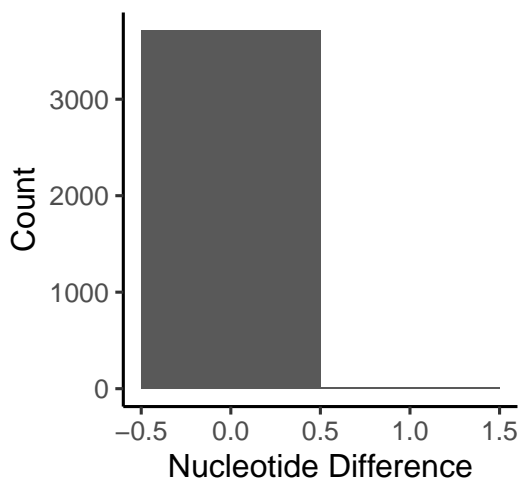
### TRBV6–8\*ap01

97 sequences assigned  
97 (100%) exact matches, in which:  
97 unique CDR3  
13 unique J



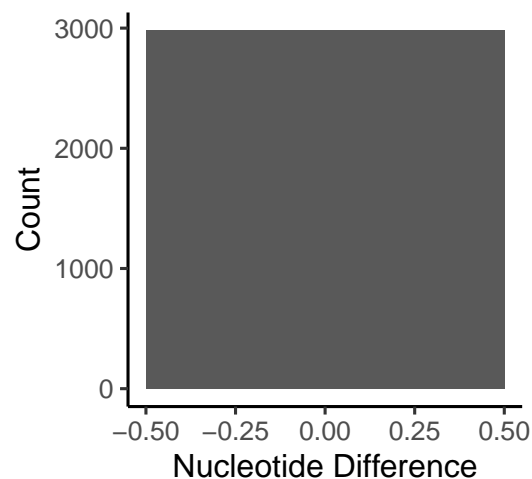
### TRBV6–56\*ap01

3731 sequences assigned  
3713 (99.5%) exact matches, in which:  
3708 unique CDR3  
13 unique J



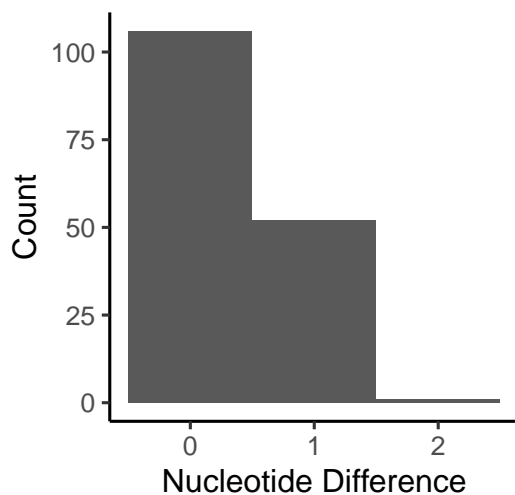
### TRBV7–2\*ap01

2981 sequences assigned  
2981 (100%) exact matches, in which:  
2980 unique CDR3  
13 unique J



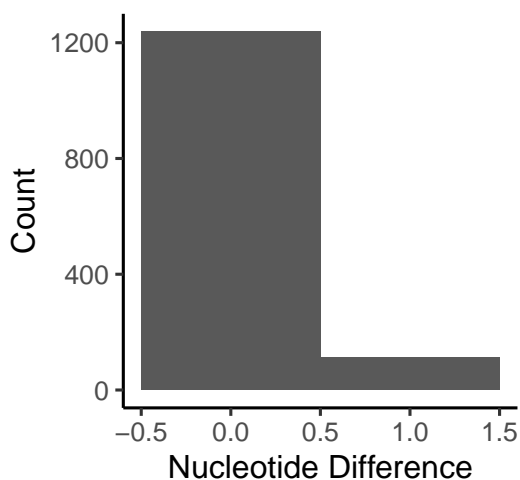
### TRBV6–9\*ap01

159 sequences assigned  
106 (66.7%) exact matches, in which:  
106 unique CDR3  
13 unique J



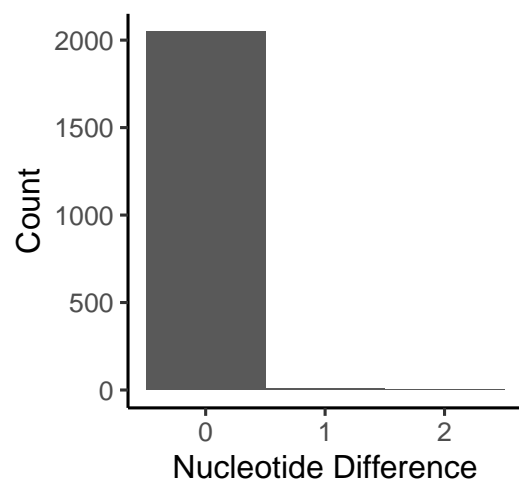
### TRBV6–56\*ap02

1352 sequences assigned  
1238 (91.6%) exact matches, in which:  
1235 unique CDR3  
13 unique J



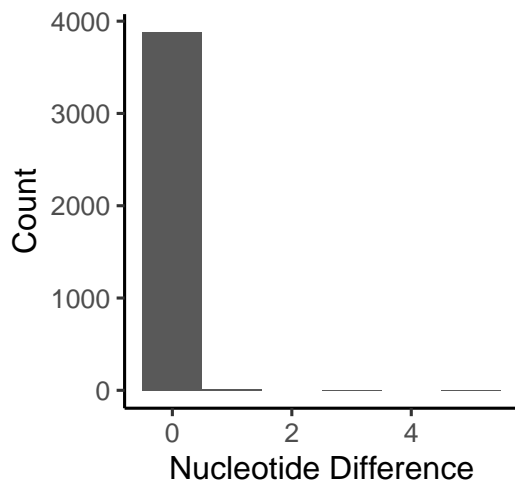
### TRBV7–3\*ap01

2058 sequences assigned  
2048 (99.5%) exact matches, in which:  
2043 unique CDR3  
13 unique J



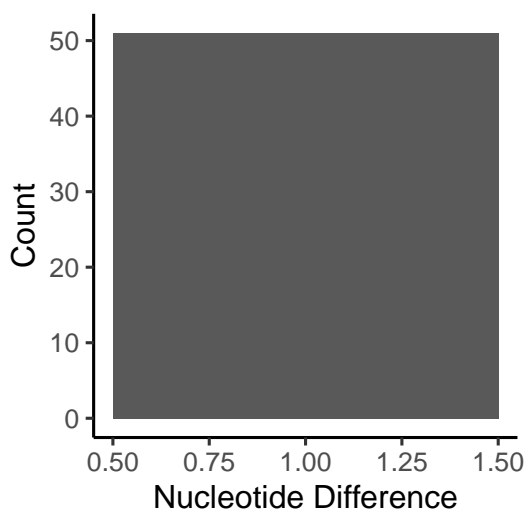
### TRBV6–23\*ap01

3896 sequences assigned  
3882 (99.6%) exact matches, in which:  
3879 unique CDR3  
13 unique J



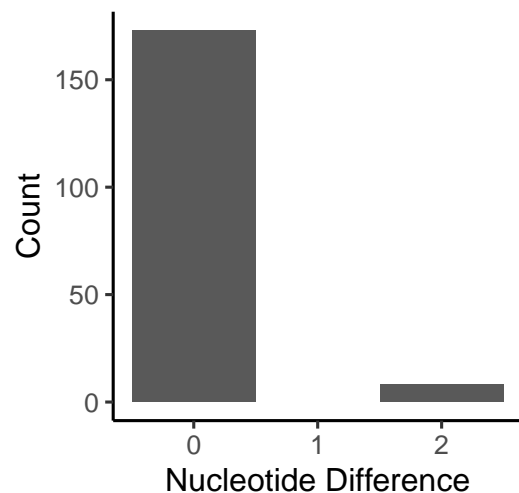
### TRBV7–1\*ap01\_T296C

51 sequences assigned  
No exact matches.



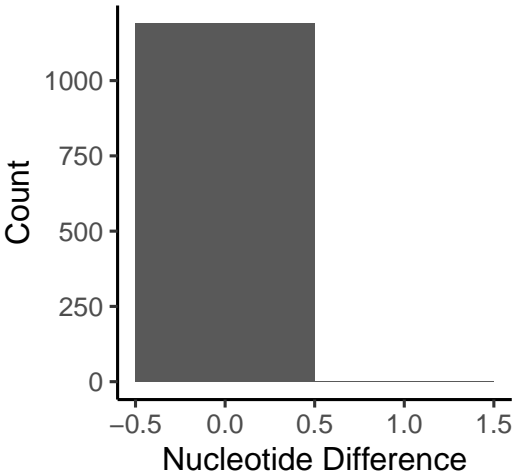
### TRBV7–4\*ap01

181 sequences assigned  
173 (95.6%) exact matches, in which:  
172 unique CDR3  
13 unique J



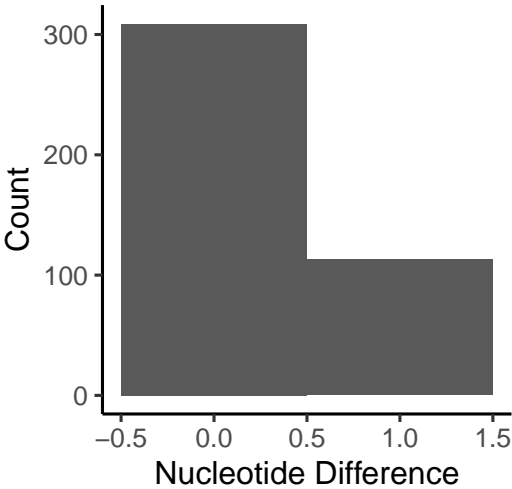
TRBV7-6\*ap01

1193 sequences assigned  
1190 (99.7%) exact matches, in which:  
1189 unique CDR3  
13 unique J



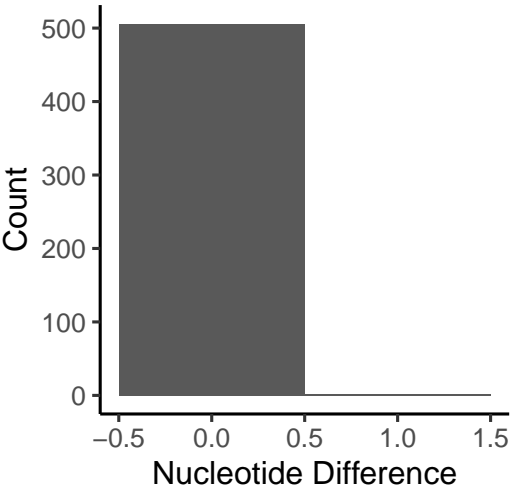
TRBV7-8\*ap03

422 sequences assigned  
309 (73.2%) exact matches, in which:  
308 unique CDR3  
13 unique J



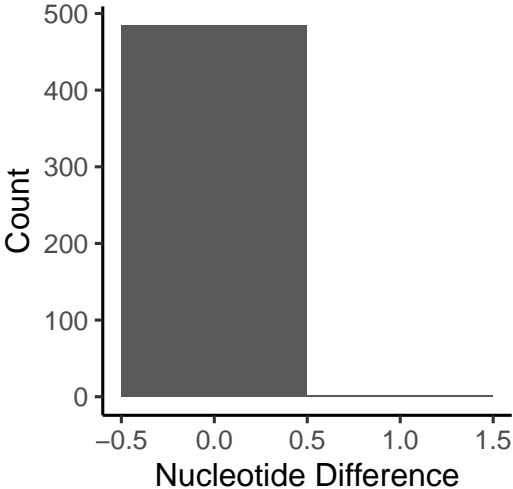
TRBV29-1\*ap02

508 sequences assigned  
506 (99.6%) exact matches, in which:  
506 unique CDR3  
13 unique J



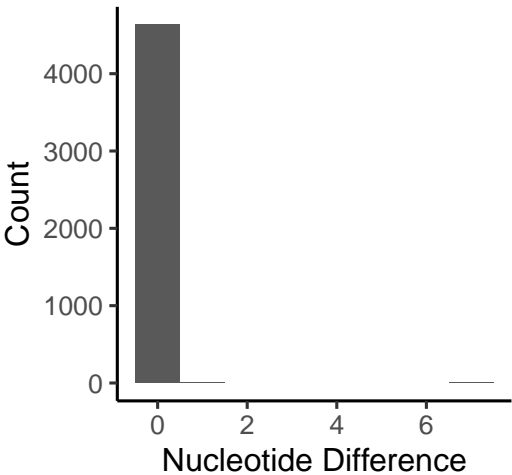
TRBV7-7\*ap01\_C315T

487 sequences assigned  
485 (99.6%) exact matches, in which:  
483 unique CDR3  
13 unique J



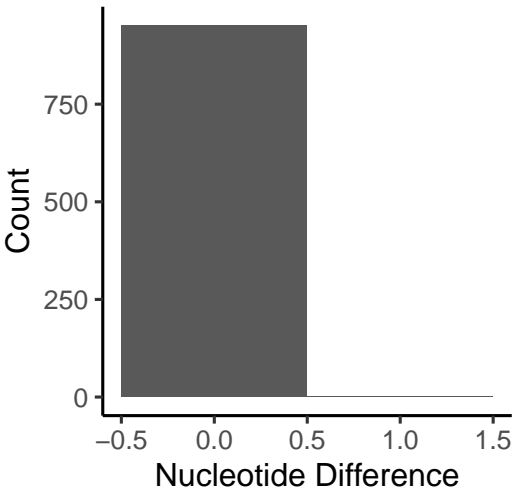
TRBV7-9\*ap01

4638 sequences assigned  
4633 (99.9%) exact matches, in which:  
4625 unique CDR3  
13 unique J



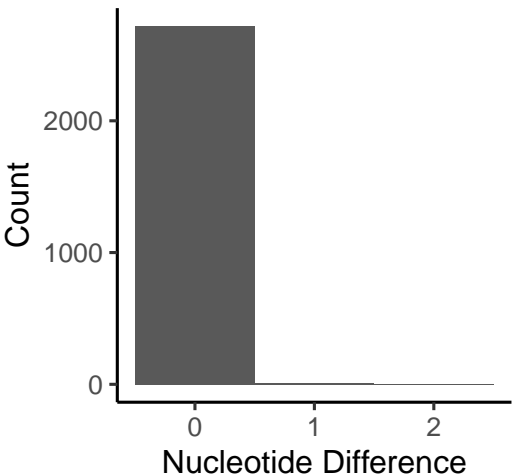
TRBV7-8\*ap01

953 sequences assigned  
952 (99.9%) exact matches, in which:  
950 unique CDR3  
13 unique J



TRBV29-1\*ap01

2729 sequences assigned  
2719 (99.6%) exact matches, in which:  
2714 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T

