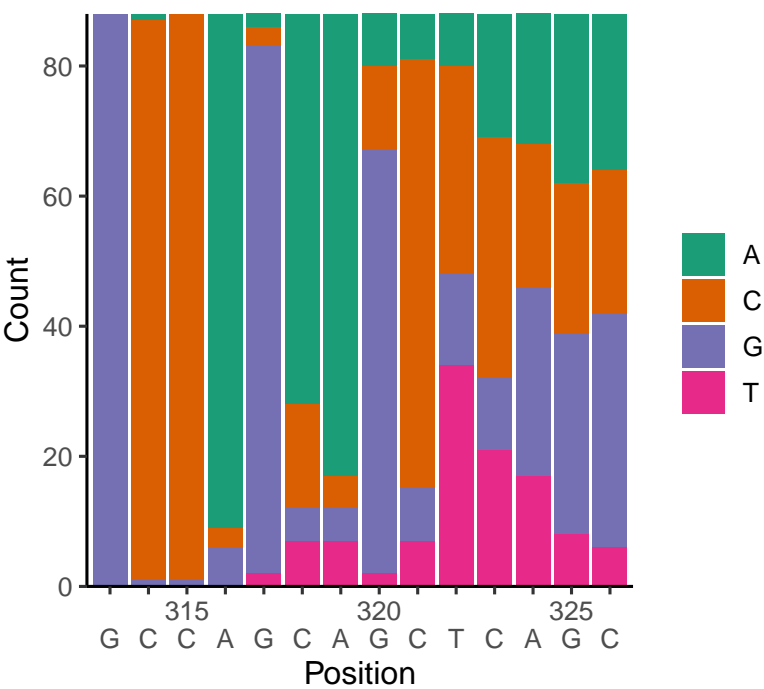
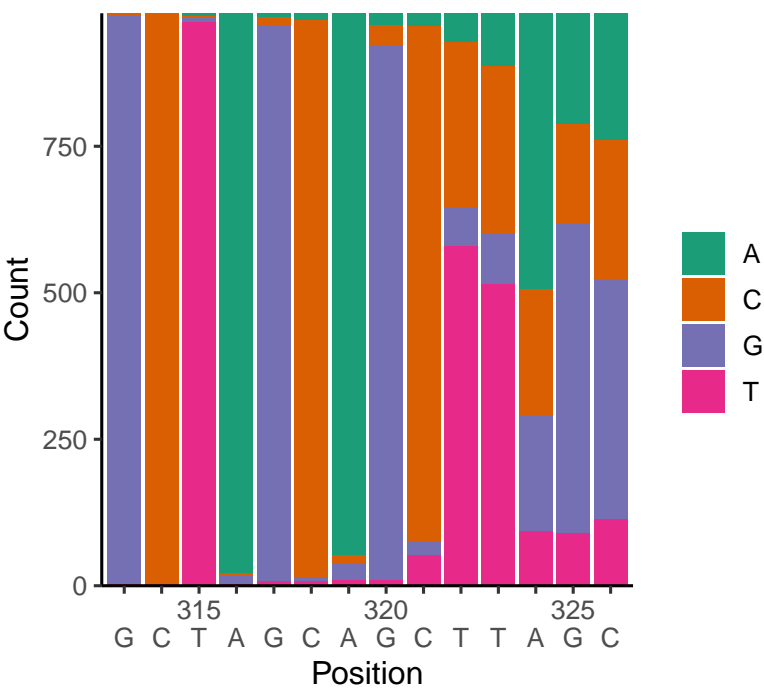


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



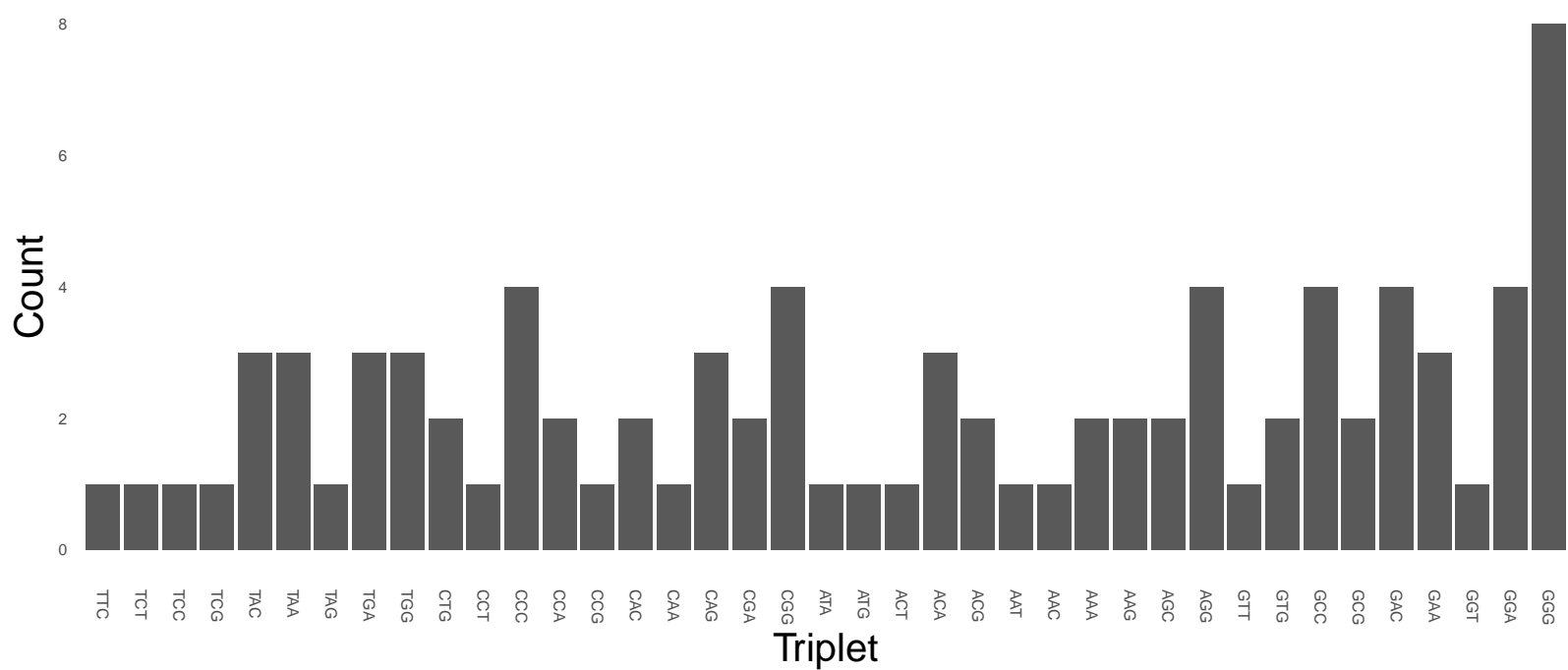
Gene TRBV7-1\*ap01\_T296C



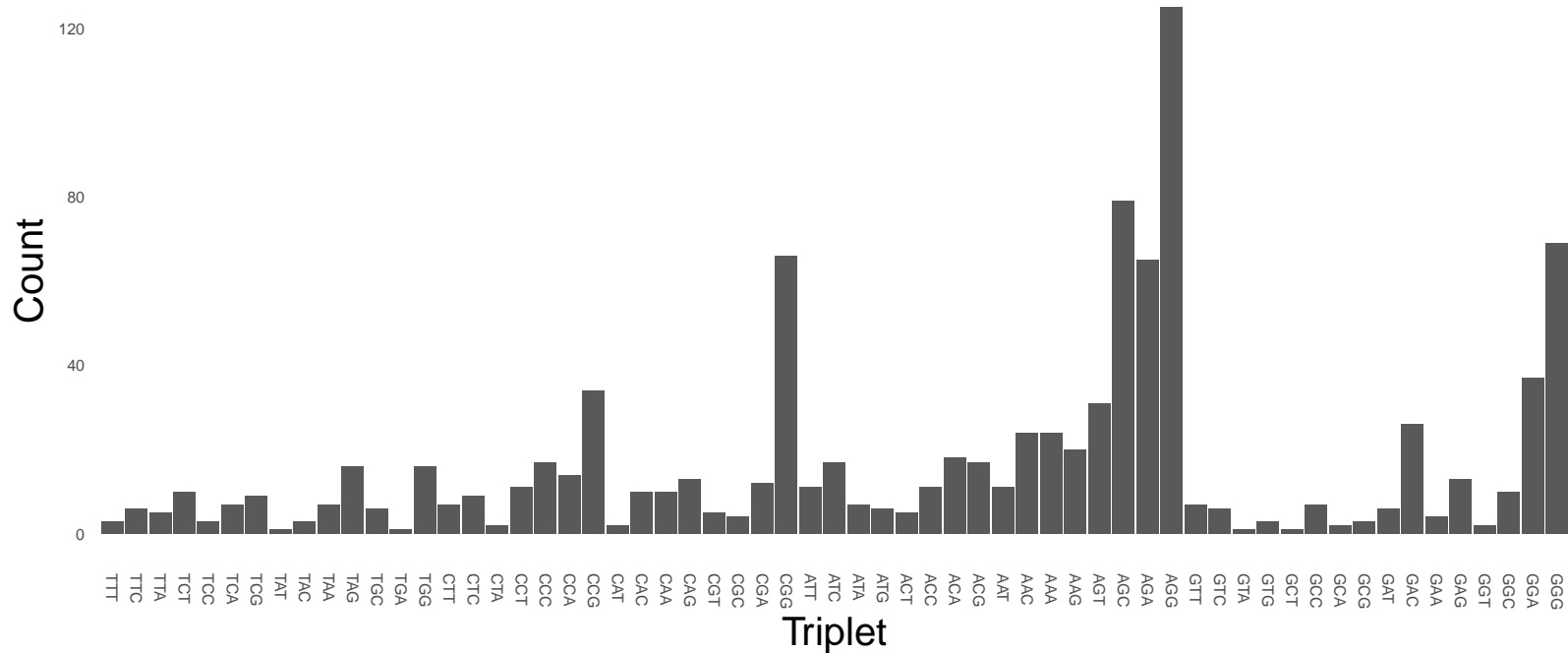
Gene TRBV7-7\*ap01\_C315T



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

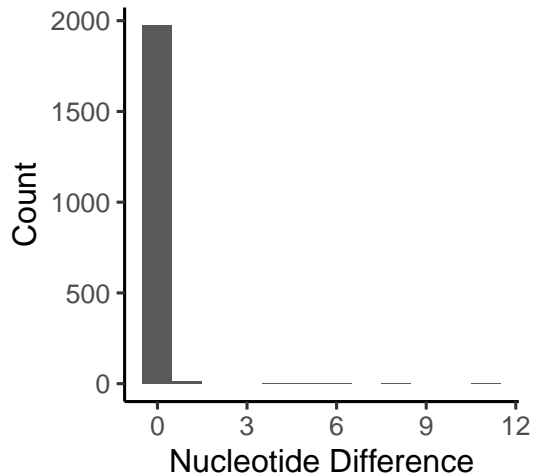


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



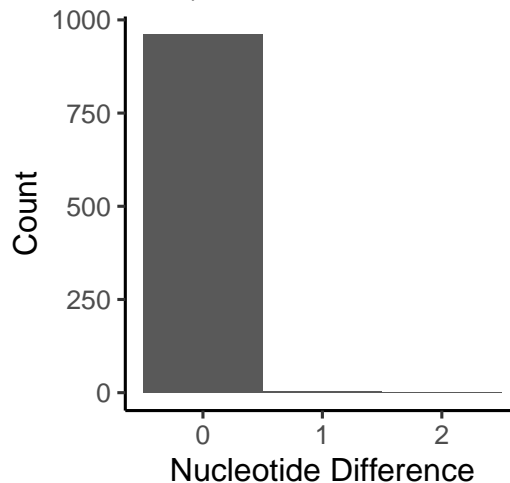
### TRBV10-1\*ap01

1992 sequences assigned  
1974 (99.1%) exact matches, in which:  
1964 unique CDR3  
13 unique J



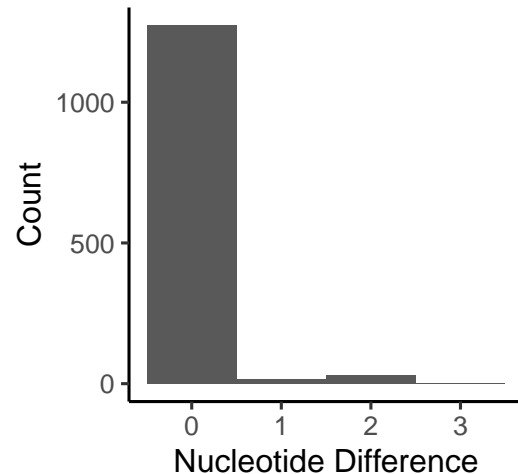
### TRBV10-2\*ap01

967 sequences assigned  
961 (99.4%) exact matches, in which:  
956 unique CDR3  
13 unique J



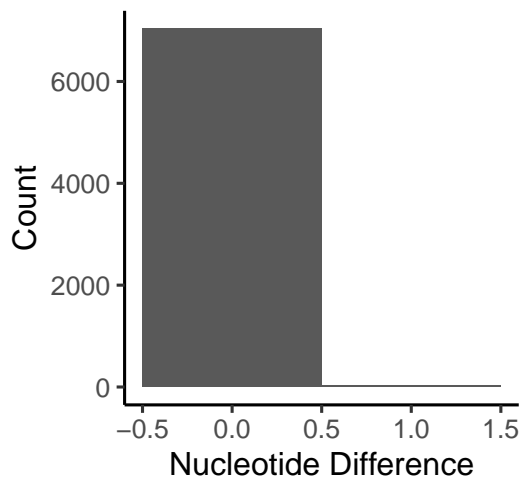
### TRBV13\*ap01

1323 sequences assigned  
1273 (96.2%) exact matches, in which:  
1252 unique CDR3  
13 unique J



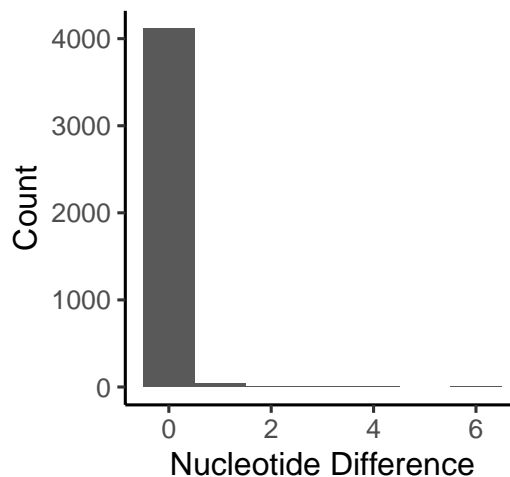
### TRBV20-1\*ap01

7073 sequences assigned  
7036 (99.5%) exact matches, in which:  
7012 unique CDR3  
13 unique J



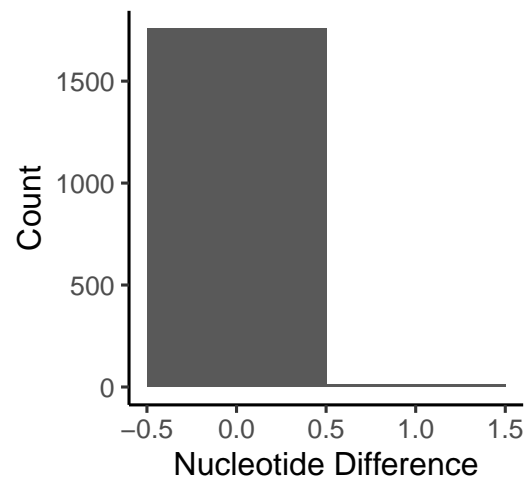
### TRBV10-3\*ap01

4155 sequences assigned  
4114 (99%) exact matches, in which:  
4095 unique CDR3  
13 unique J



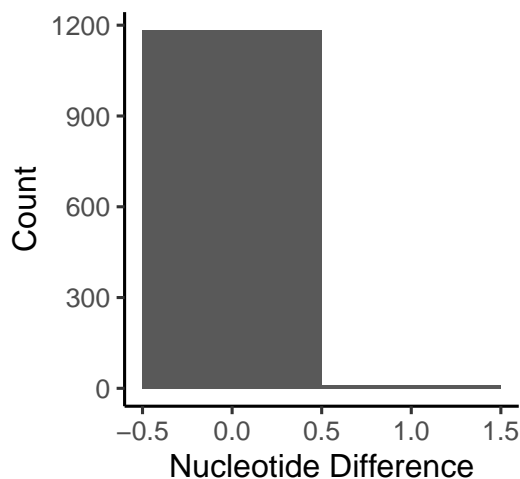
### TRBV14\*ap01

1767 sequences assigned  
1757 (99.4%) exact matches, in which:  
1755 unique CDR3  
13 unique J



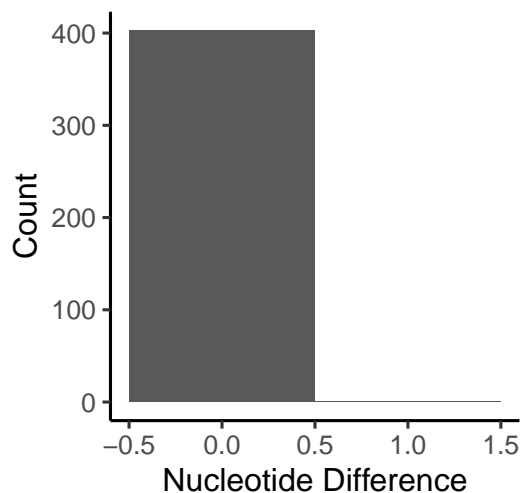
### TRBV20-1\*ap02

1196 sequences assigned  
1184 (99%) exact matches, in which:  
1180 unique CDR3  
13 unique J



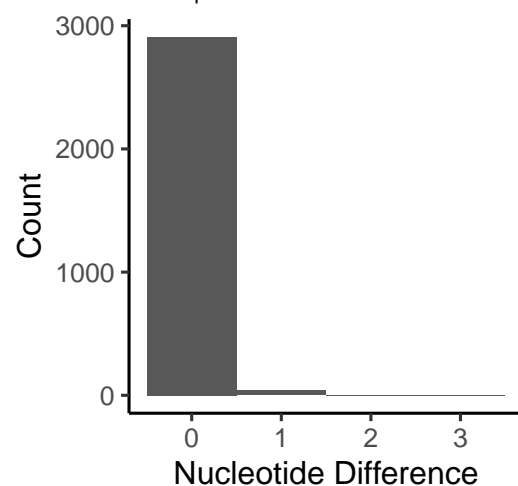
### TRBV1\*ap01

404 sequences assigned  
403 (99.8%) exact matches, in which:  
397 unique CDR3  
13 unique J



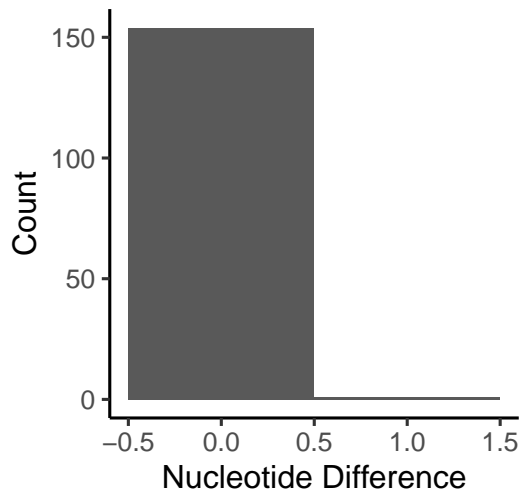
### TRBV15\*ap02

2950 sequences assigned  
2908 (98.6%) exact matches, in which:  
2888 unique CDR3  
13 unique J



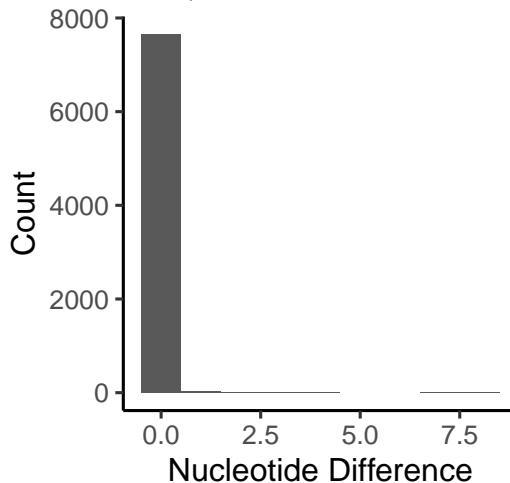
### TRBV16\*ap01

155 sequences assigned  
154 (99.4%) exact matches, in which:  
154 unique CDR3  
12 unique J



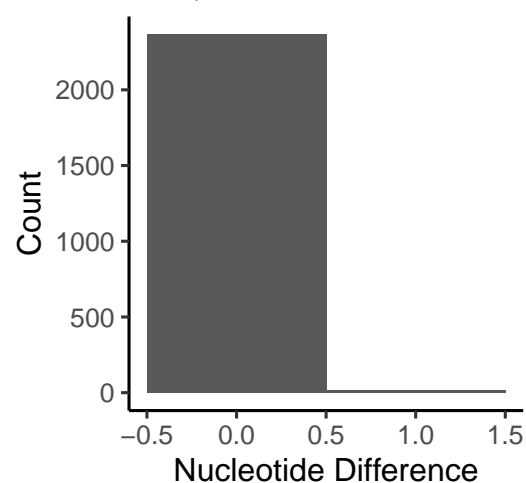
### TRBV19\*ap01

7696 sequences assigned  
7649 (99.4%) exact matches, in which:  
7626 unique CDR3  
13 unique J



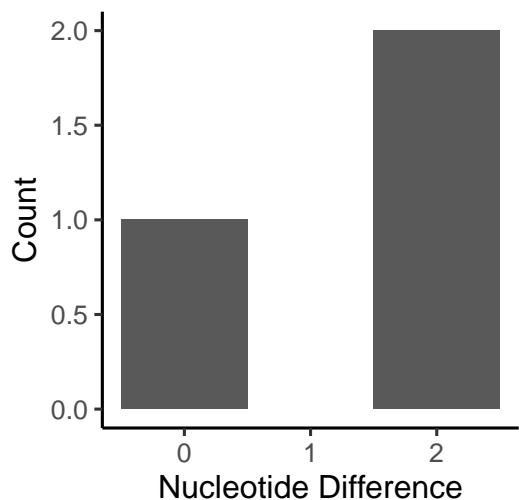
### TRBV28\*ap01

2381 sequences assigned  
2366 (99.4%) exact matches, in which:  
2358 unique CDR3  
13 unique J



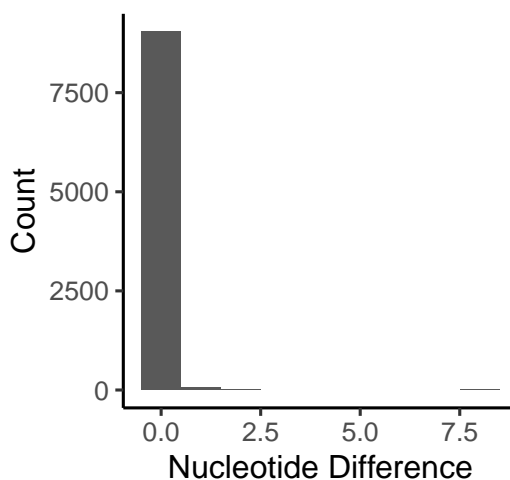
### TRBV17\*ap01

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



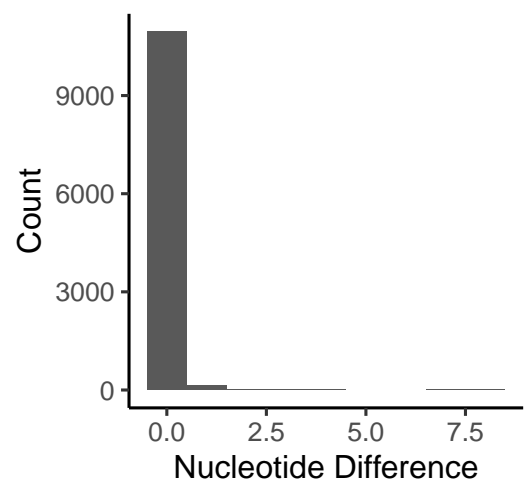
### TRBV2\*ap01

9108 sequences assigned  
9037 (99.2%) exact matches, in which:  
8996 unique CDR3  
13 unique J



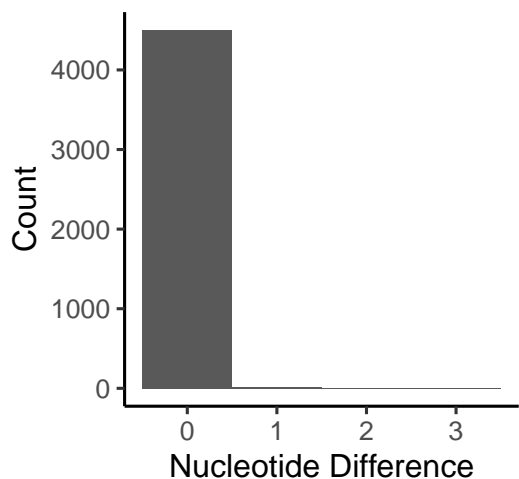
### TRBV30\*ap01

11111 sequences assigned  
10951 (98.6%) exact matches, in which:  
10845 unique CDR3  
13 unique J



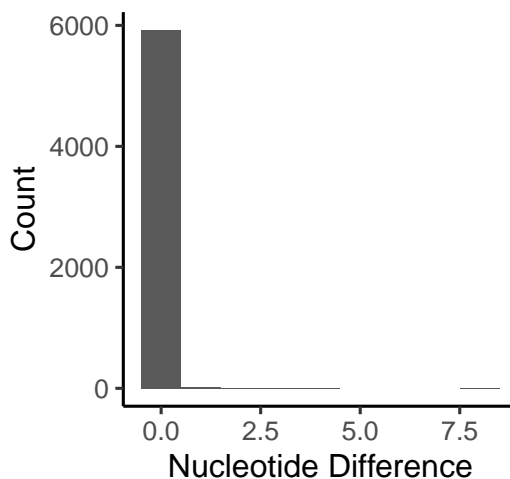
### TRBV18\*ap01

4518 sequences assigned  
4501 (99.6%) exact matches, in which:  
4495 unique CDR3  
13 unique J



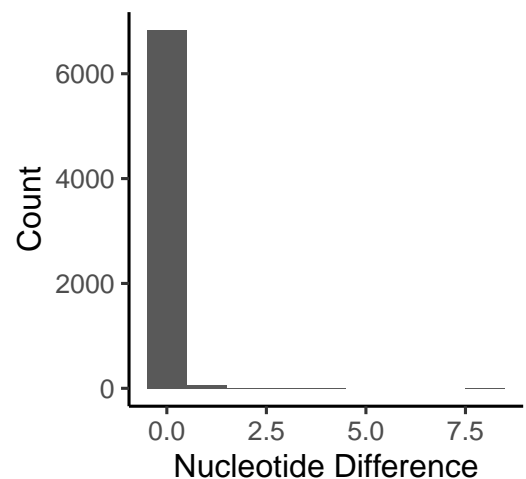
### TRBV27\*ap01

5957 sequences assigned  
5923 (99.4%) exact matches, in which:  
5900 unique CDR3  
13 unique J



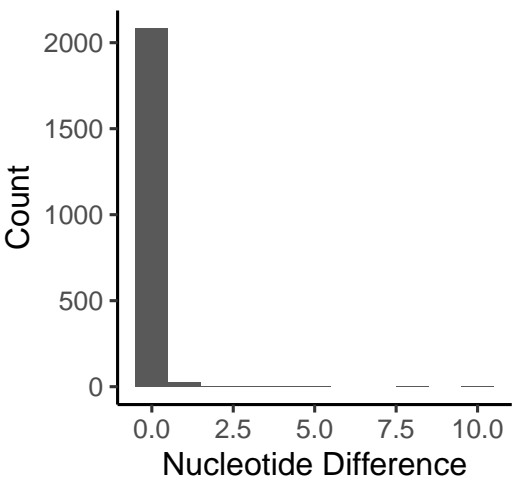
### TRBV9\*ap01

6900 sequences assigned  
6833 (99%) exact matches, in which:  
6814 unique CDR3  
13 unique J



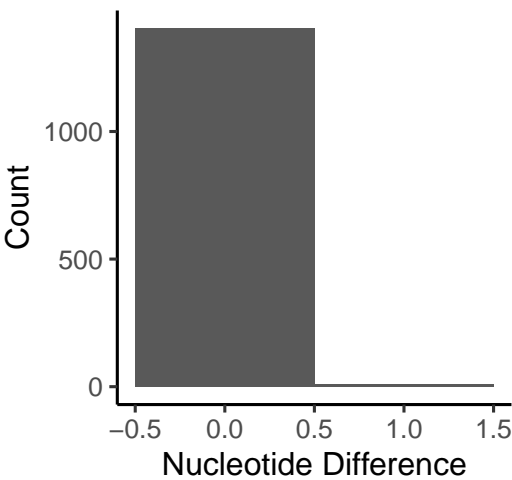
TRBV21-1\*ap01

2122 sequences assigned  
2083 (98.2%) exact matches, in which:  
2076 unique CDR3  
13 unique J



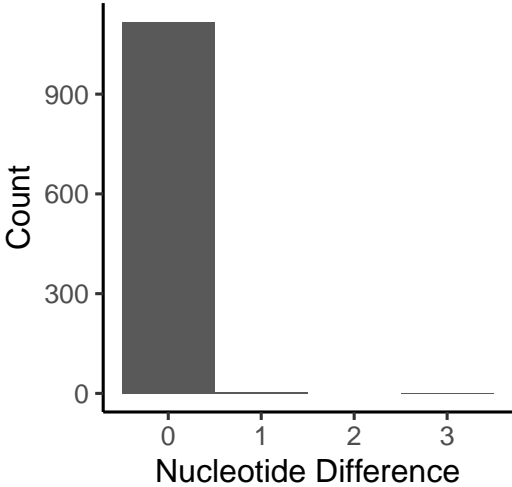
TRBV11-3\*ap01

1415 sequences assigned  
1404 (99.2%) exact matches, in which:  
1399 unique CDR3  
13 unique J



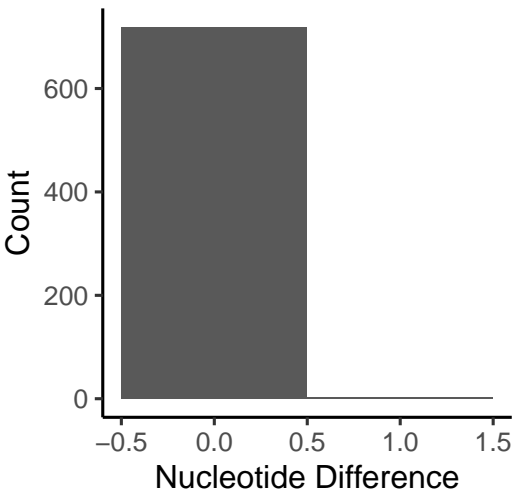
TRBV12-5\*ap01

1123 sequences assigned  
1118 (99.6%) exact matches, in which:  
1116 unique CDR3  
13 unique J



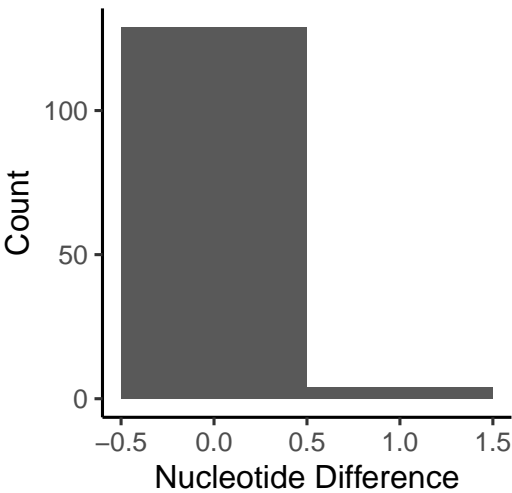
TRBV11-1\*ap01

721 sequences assigned  
719 (99.7%) exact matches, in which:  
718 unique CDR3  
13 unique J



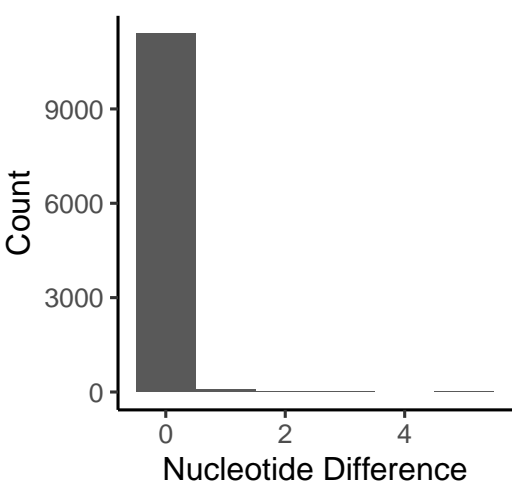
TRBV12-1\*ap01

133 sequences assigned  
129 (97%) exact matches, in which:  
129 unique CDR3  
13 unique J



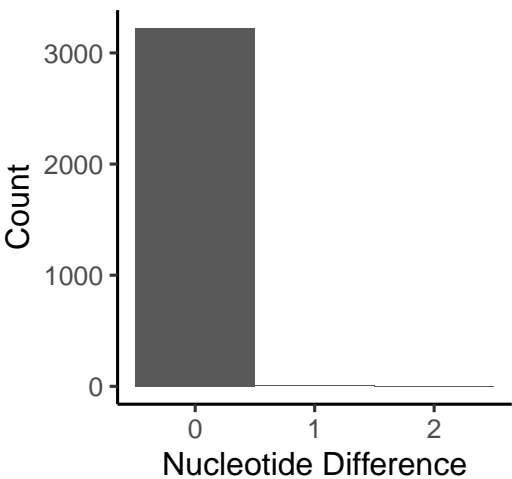
TRBV12-34\*ap01

11470 sequences assigned  
11391 (99.3%) exact matches, in which:  
11330 unique CDR3  
13 unique J



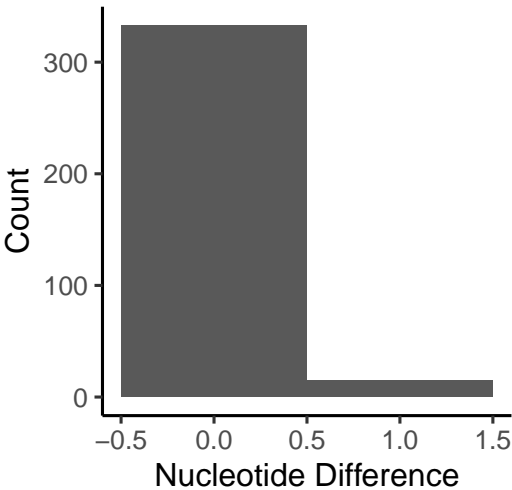
TRBV11-2\*ap01

3232 sequences assigned  
3224 (99.8%) exact matches, in which:  
3205 unique CDR3  
13 unique J



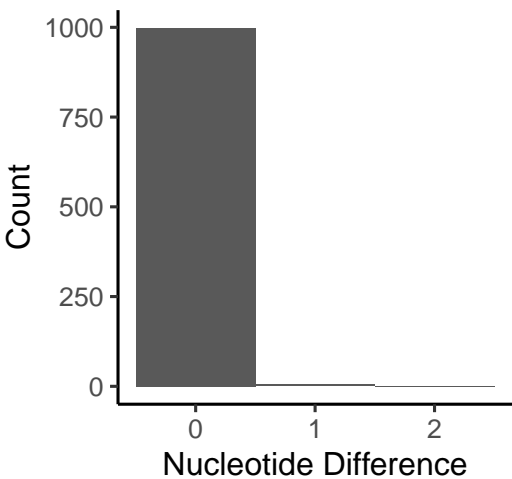
TRBV12-2\*ap01

348 sequences assigned  
333 (95.7%) exact matches, in which:  
331 unique CDR3  
13 unique J



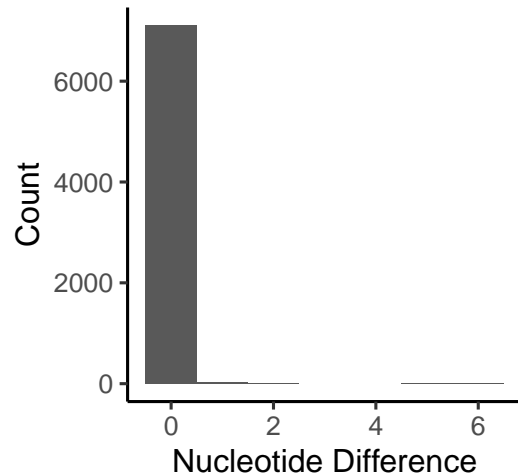
TRBV23-1\*ap01

1004 sequences assigned  
998 (99.4%) exact matches, in which:  
998 unique CDR3  
13 unique J



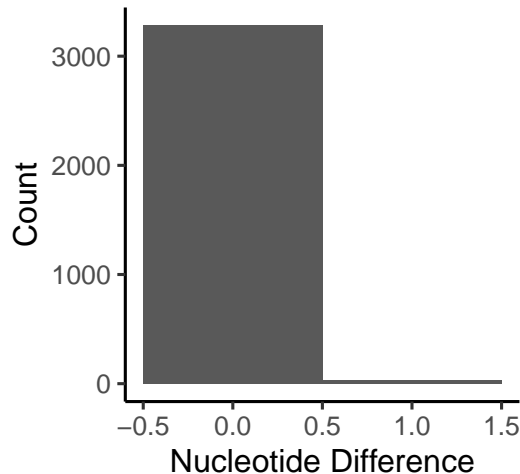
### TRBV3-12\*ap01

7148 sequences assigned  
7106 (99.4%) exact matches, in which:  
7087 unique CDR3  
13 unique J



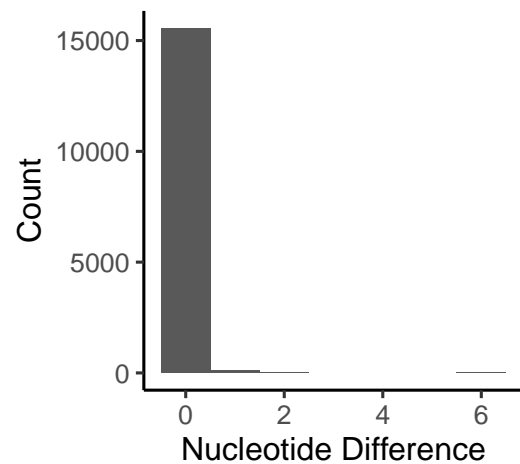
### TRBV4-2\*ap01

3310 sequences assigned  
3282 (99.2%) exact matches, in which:  
3267 unique CDR3  
13 unique J



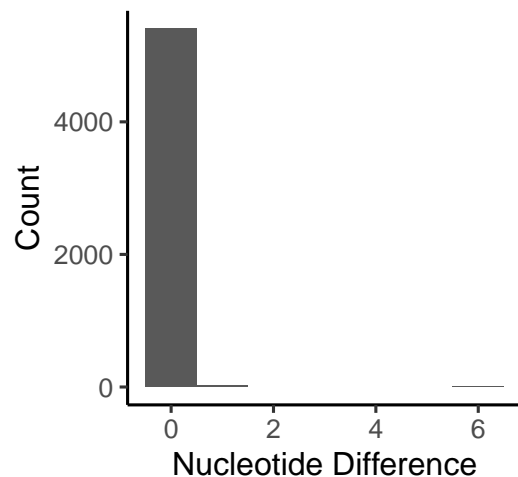
### TRBV5-1\*ap01

15671 sequences assigned  
15560 (99.3%) exact matches, in which:  
15464 unique CDR3  
13 unique J



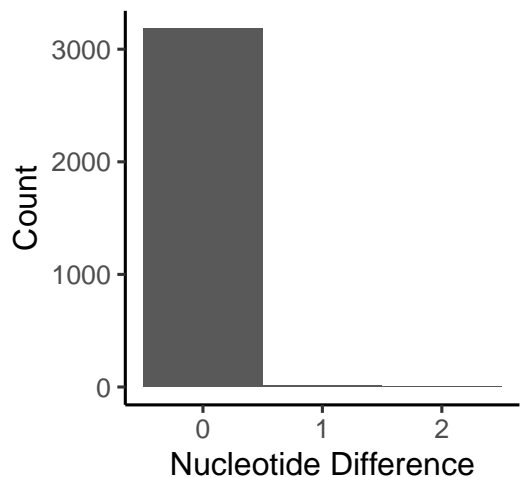
### TRBV4-1\*ap01

5436 sequences assigned  
5405 (99.4%) exact matches, in which:  
5379 unique CDR3  
13 unique J



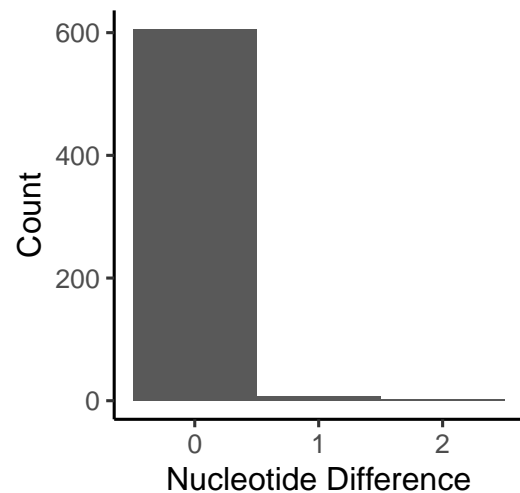
### TRBV4-3\*ap01

3197 sequences assigned  
3182 (99.5%) exact matches, in which:  
3175 unique CDR3  
13 unique J



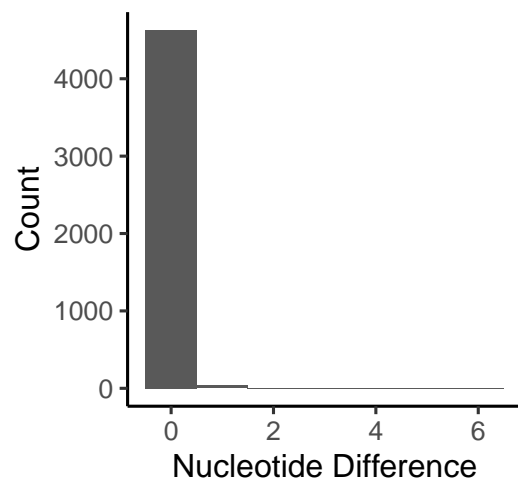
### TRBV5-3\*ap01

616 sequences assigned  
606 (98.4%) exact matches, in which:  
604 unique CDR3  
13 unique J



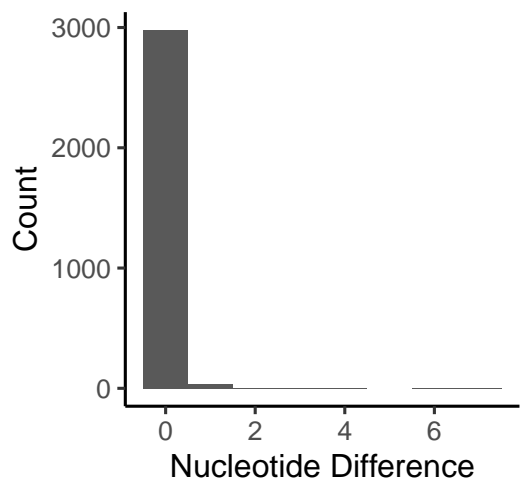
### TRBV24-1\*ap01

4678 sequences assigned  
4629 (99%) exact matches, in which:  
4606 unique CDR3  
13 unique J



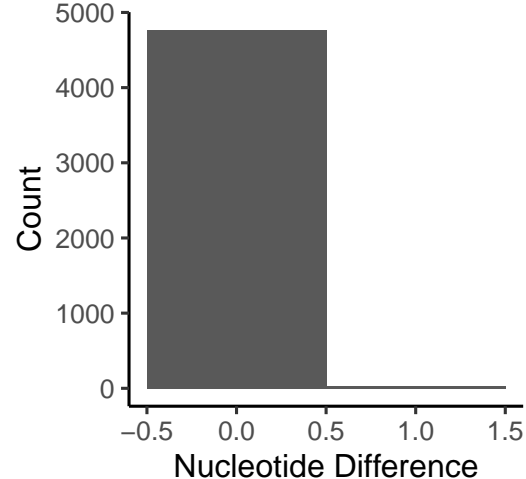
### TRBV25-1\*ap01

3024 sequences assigned  
2979 (98.5%) exact matches, in which:  
2951 unique CDR3  
13 unique J



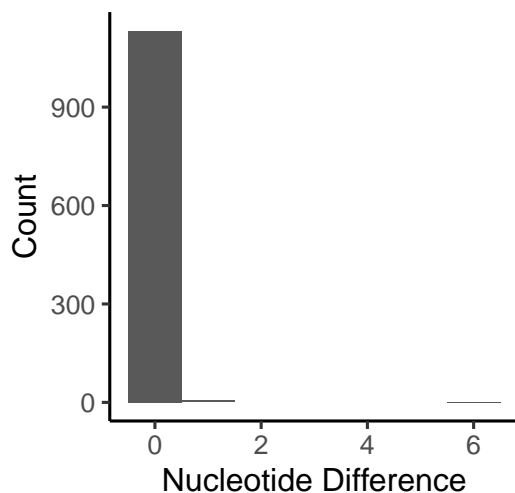
### TRBV5-4\*ap01

4793 sequences assigned  
4766 (99.4%) exact matches, in which:  
4748 unique CDR3  
13 unique J



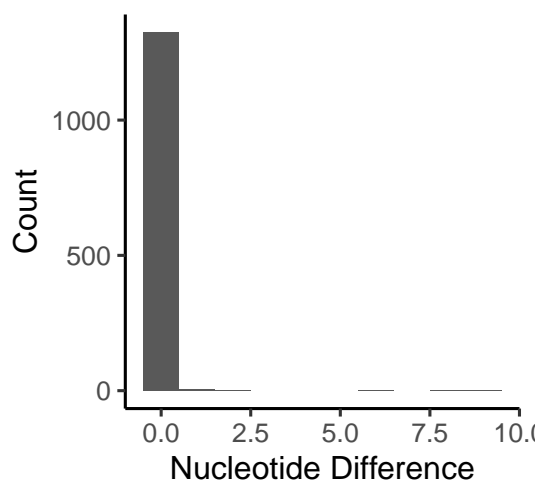
### TRBV5-5\*ap01

1140 sequences assigned  
1133 (99.4%) exact matches, in which:  
1132 unique CDR3  
13 unique J



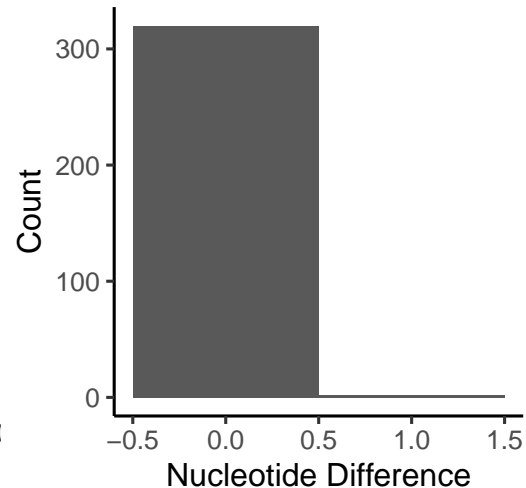
### TRBV5-8\*ap01

1336 sequences assigned  
1324 (99.1%) exact matches, in which:  
1320 unique CDR3  
13 unique J



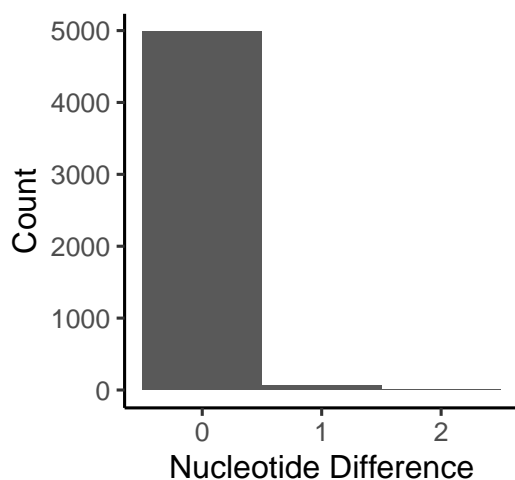
### TRBV6-7\*ap01

322 sequences assigned  
320 (99.4%) exact matches, in which:  
318 unique CDR3  
13 unique J



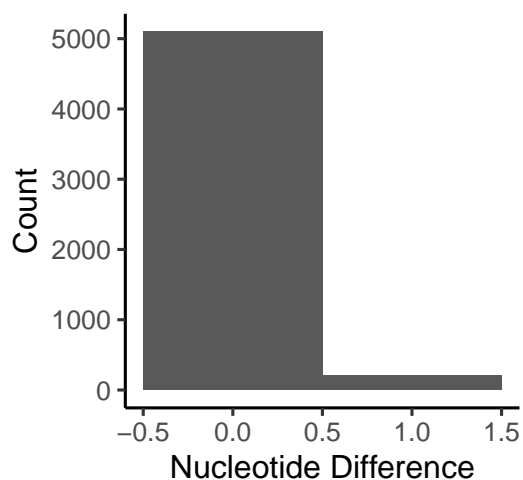
### TRBV5-6\*ap01

5041 sequences assigned  
4984 (98.9%) exact matches, in which:  
4942 unique CDR3  
13 unique J



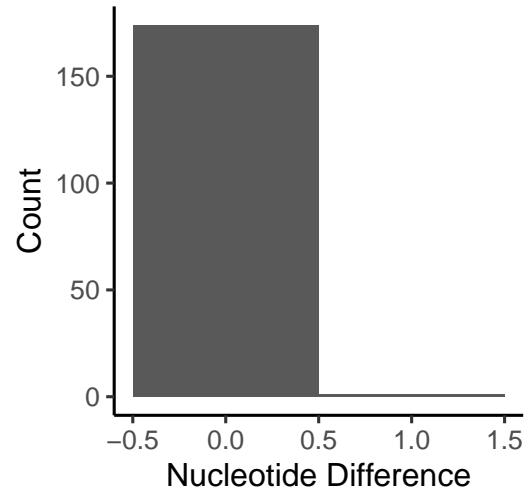
### TRBV6-1\*ap01

5307 sequences assigned  
5099 (96.1%) exact matches, in which:  
5060 unique CDR3  
13 unique J



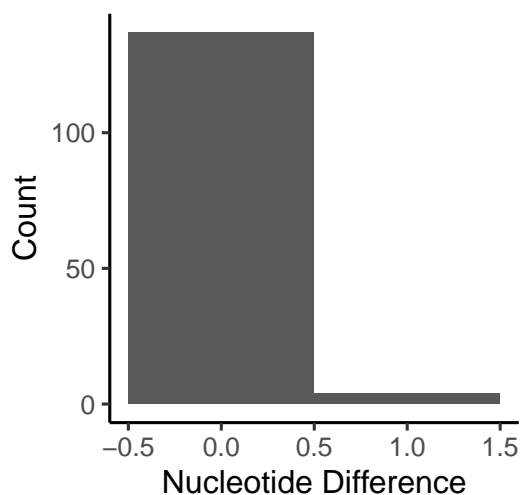
### TRBV6-8\*ap01

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



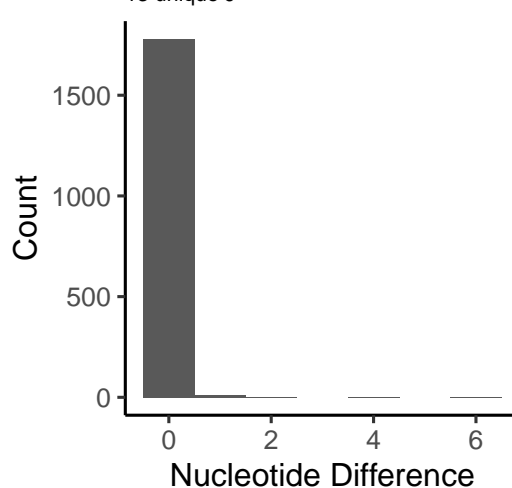
### TRBV5-7\*ap01

141 sequences assigned  
137 (97.2%) exact matches, in which:  
134 unique CDR3  
13 unique J



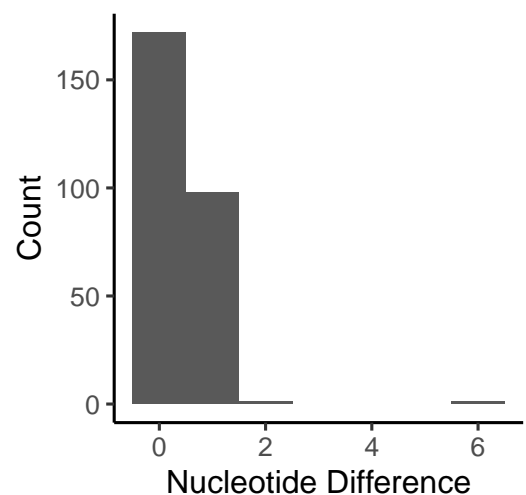
### TRBV6-4\*ap01

1797 sequences assigned  
1779 (99%) exact matches, in which:  
1774 unique CDR3  
13 unique J



### TRBV6-9\*ap01

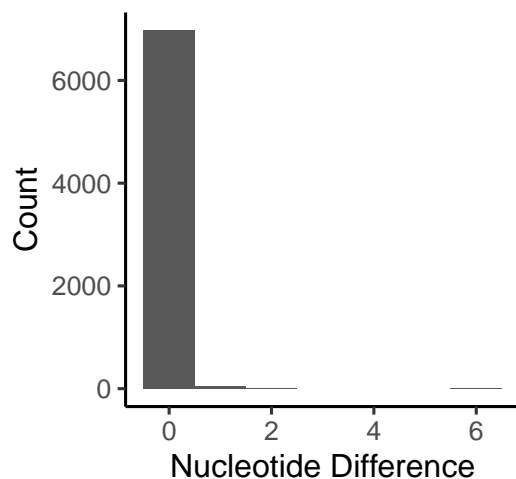
272 sequences assigned  
172 (63.2%) exact matches, in which:  
170 unique CDR3  
13 unique J





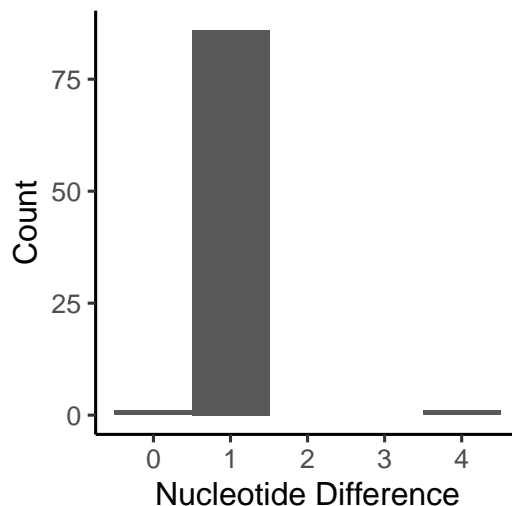
### TRBV6-23\*ap01

7033 sequences assigned  
6973 (99.1%) exact matches, in which:  
6908 unique CDR3  
13 unique J



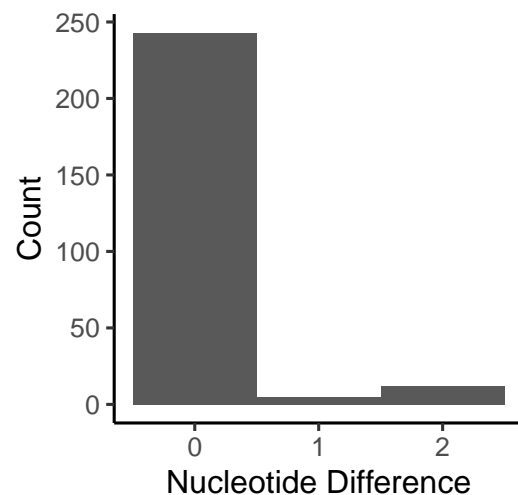
### TRBV7-1\*ap01\_T296C

88 sequences assigned  
1 (1.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



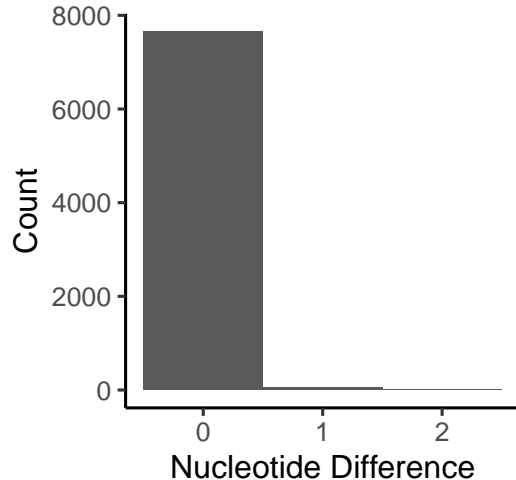
### TRBV7-4\*ap01

260 sequences assigned  
243 (93.5%) exact matches, in which:  
242 unique CDR3  
13 unique J



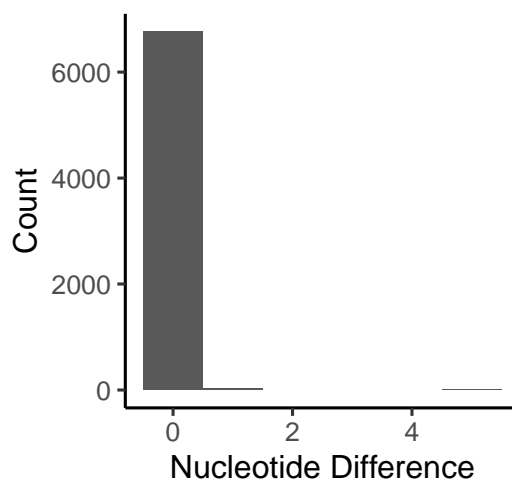
### TRBV6-56\*ap01

7704 sequences assigned  
7650 (99.3%) exact matches, in which:  
7577 unique CDR3  
13 unique J



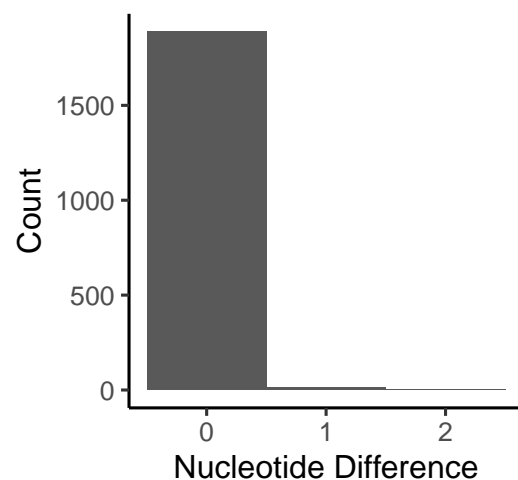
### TRBV7-2\*ap01

6792 sequences assigned  
6762 (99.6%) exact matches, in which:  
6745 unique CDR3  
13 unique J



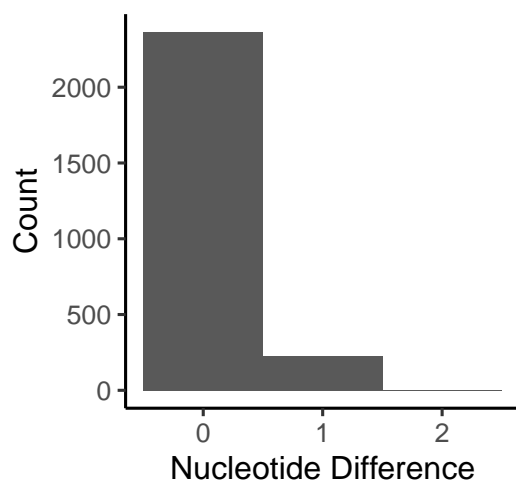
### TRBV7-6\*ap01

1900 sequences assigned  
1888 (99.4%) exact matches, in which:  
1880 unique CDR3  
13 unique J



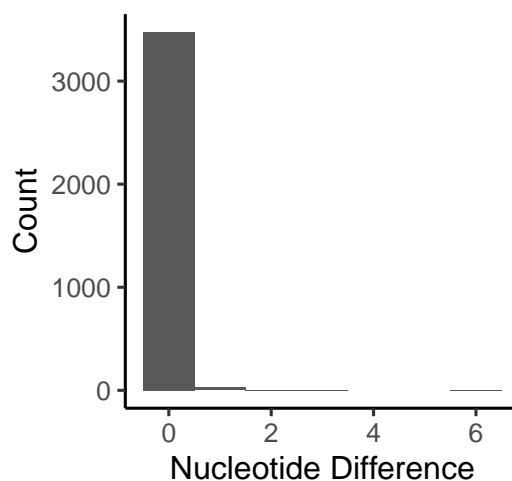
### TRBV6-56\*ap02

2591 sequences assigned  
2364 (91.2%) exact matches, in which:  
2345 unique CDR3  
13 unique J



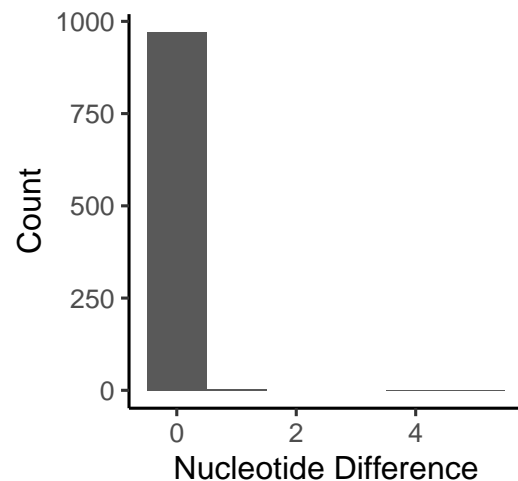
### TRBV7-3\*ap01

3511 sequences assigned  
3476 (99%) exact matches, in which:  
3470 unique CDR3  
13 unique J



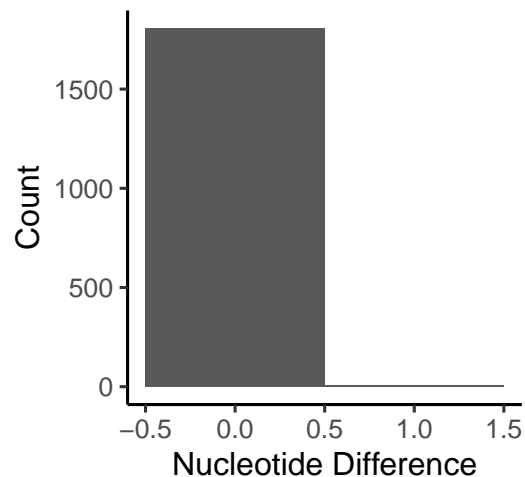
### TRBV7-7\*ap01\_C315T

977 sequences assigned  
971 (99.4%) exact matches, in which:  
966 unique CDR3  
13 unique J



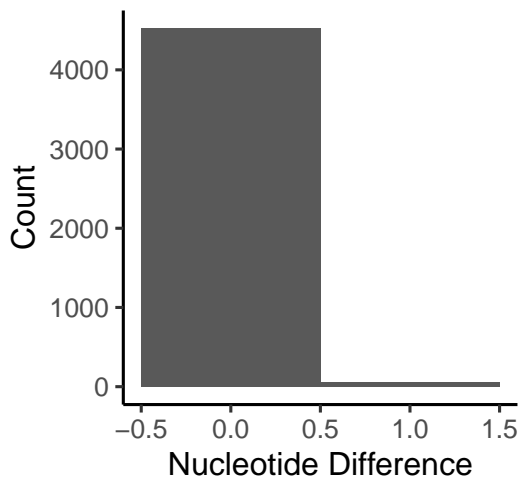
### TRBV7-8\*ap01

1813 sequences assigned  
1806 (99.6%) exact matches, in which:  
1800 unique CDR3  
13 unique J



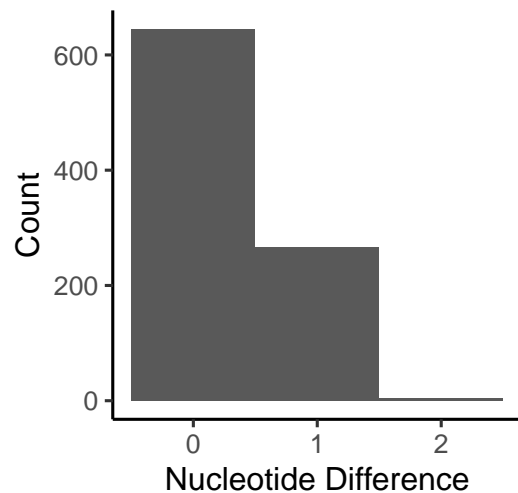
### TRBV29-1\*ap01

4577 sequences assigned  
4523 (98.8%) exact matches, in which:  
4464 unique CDR3  
13 unique J



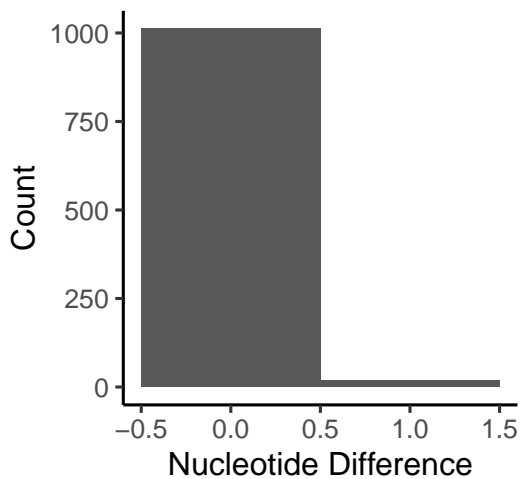
### TRBV7-8\*ap03

915 sequences assigned  
645 (70.5%) exact matches, in which:  
643 unique CDR3  
13 unique J



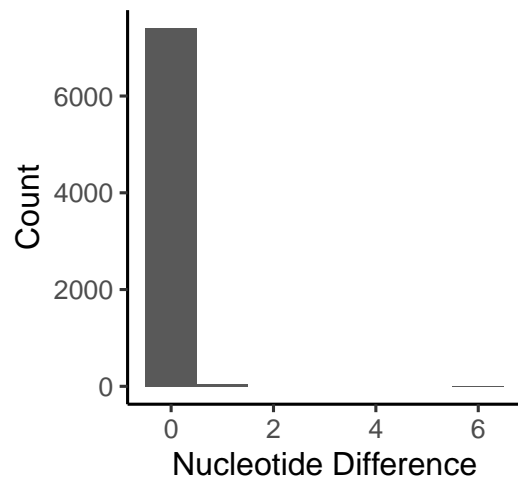
### TRBV29-1\*ap02

1030 sequences assigned  
1012 (98.3%) exact matches, in which:  
1004 unique CDR3  
13 unique J

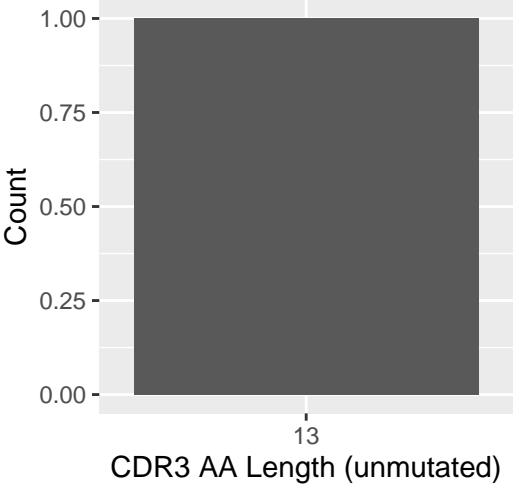


### TRBV7-9\*ap01

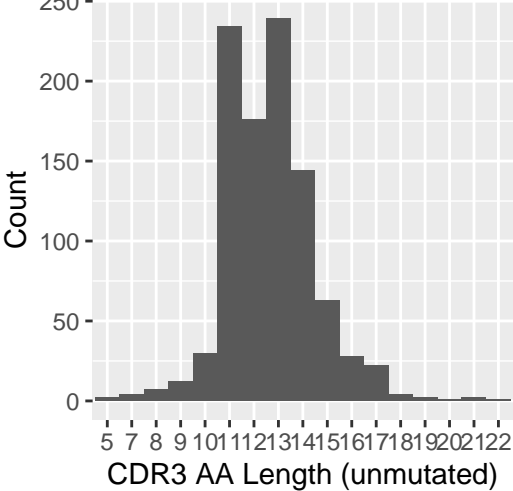
7451 sequences assigned  
7405 (99.4%) exact matches, in which:  
7378 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.