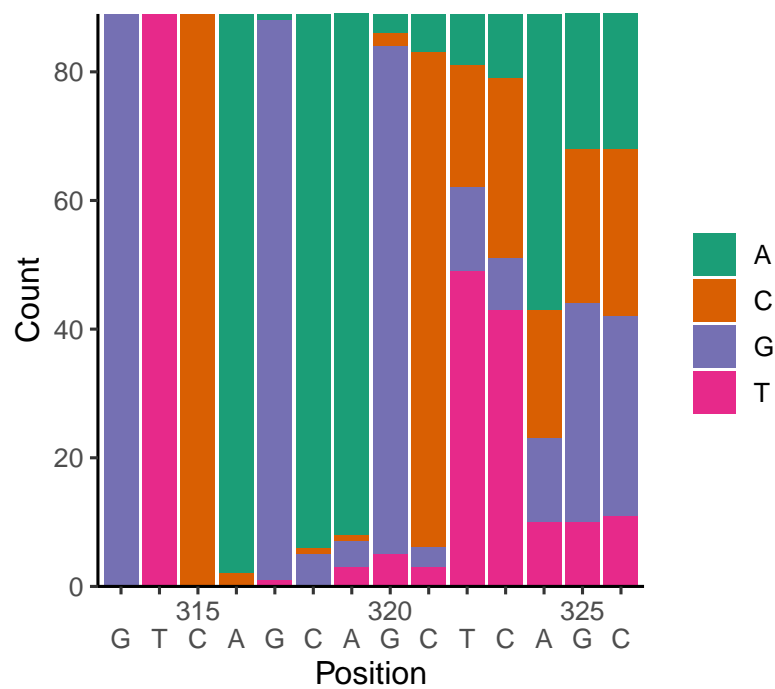
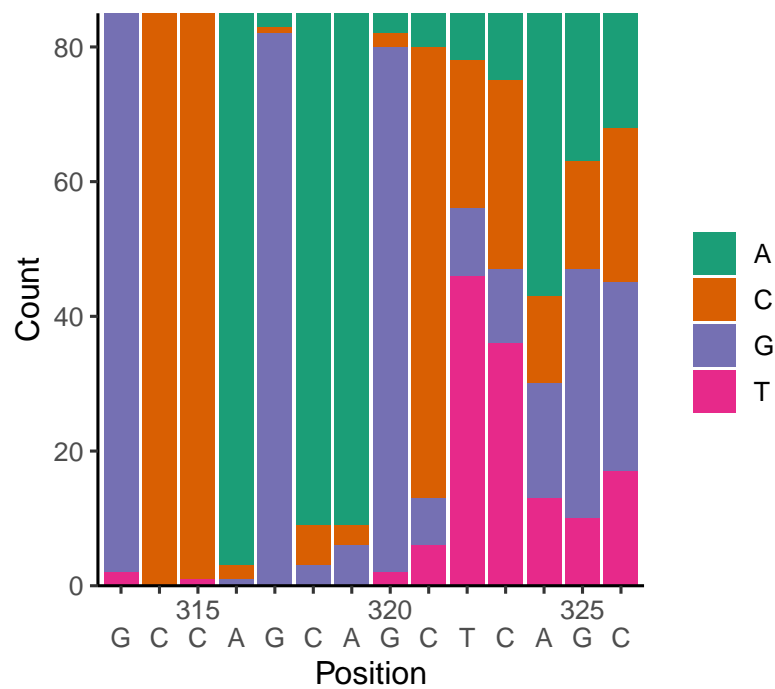


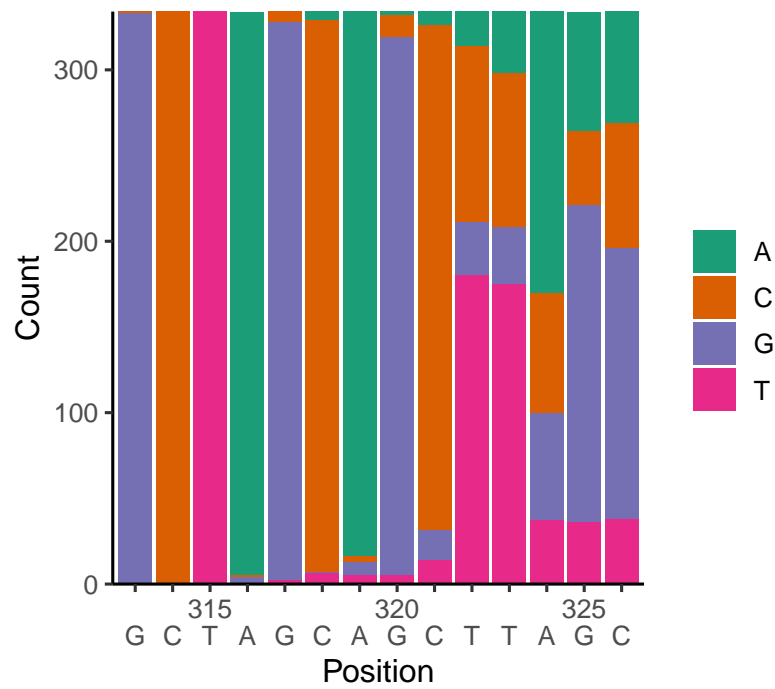
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



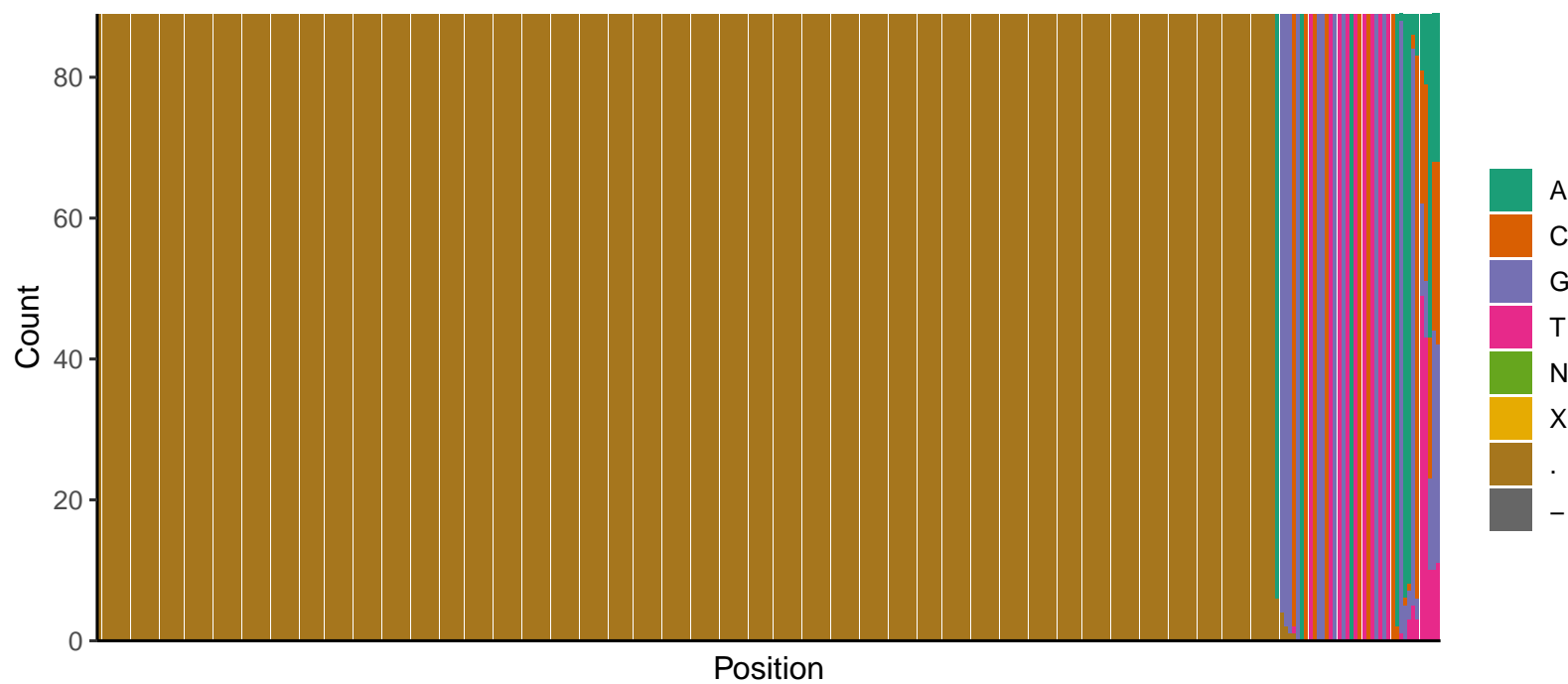
Gene TRBV7-1\*ap01\_G291C\_T296C



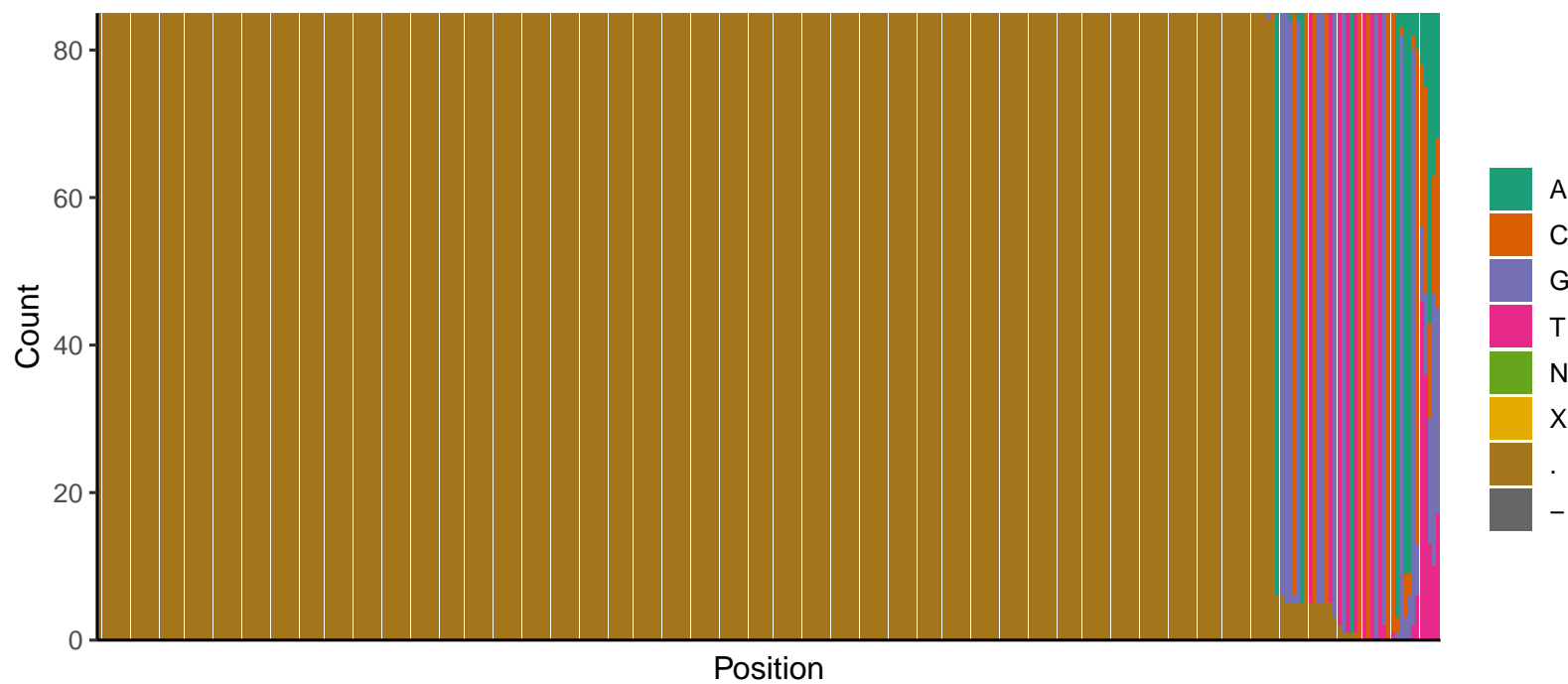
Gene TRBV7-7\*ap01\_C315T



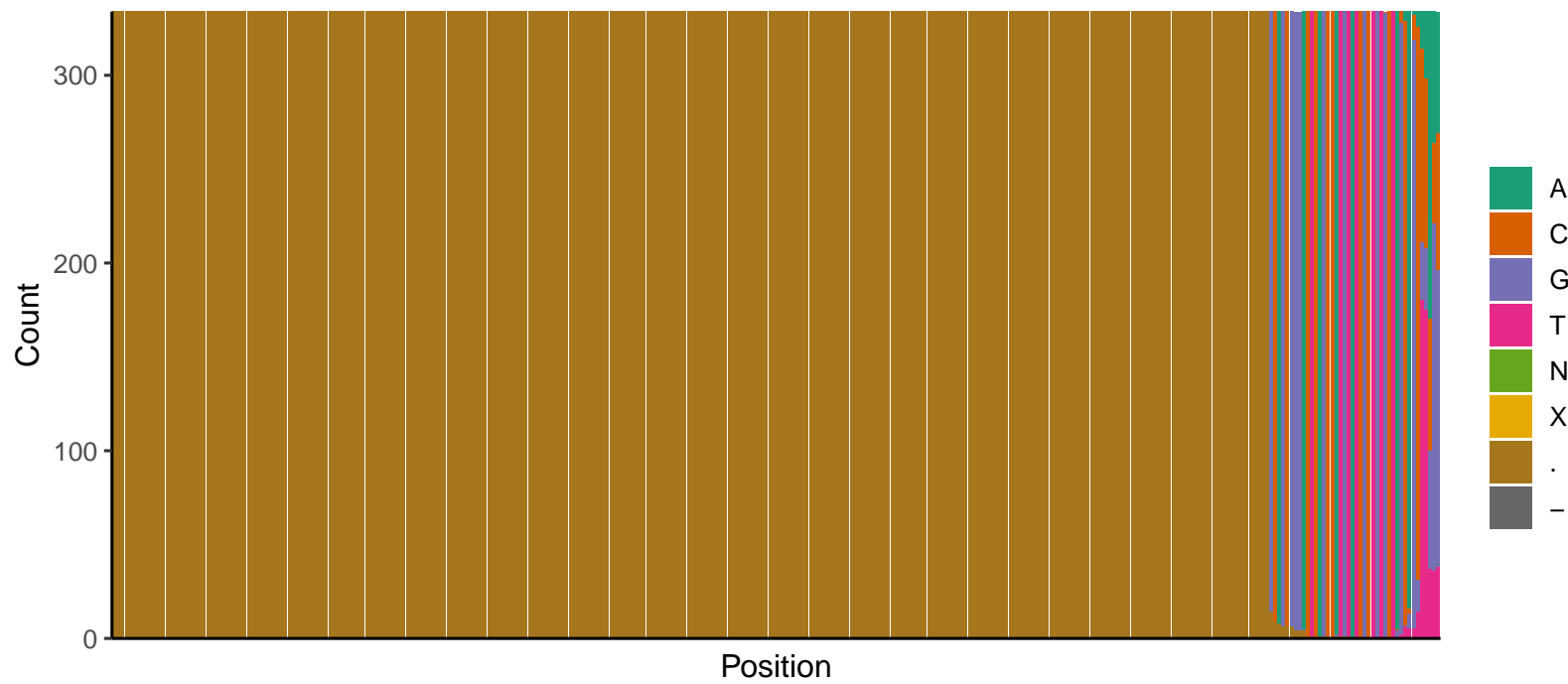
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



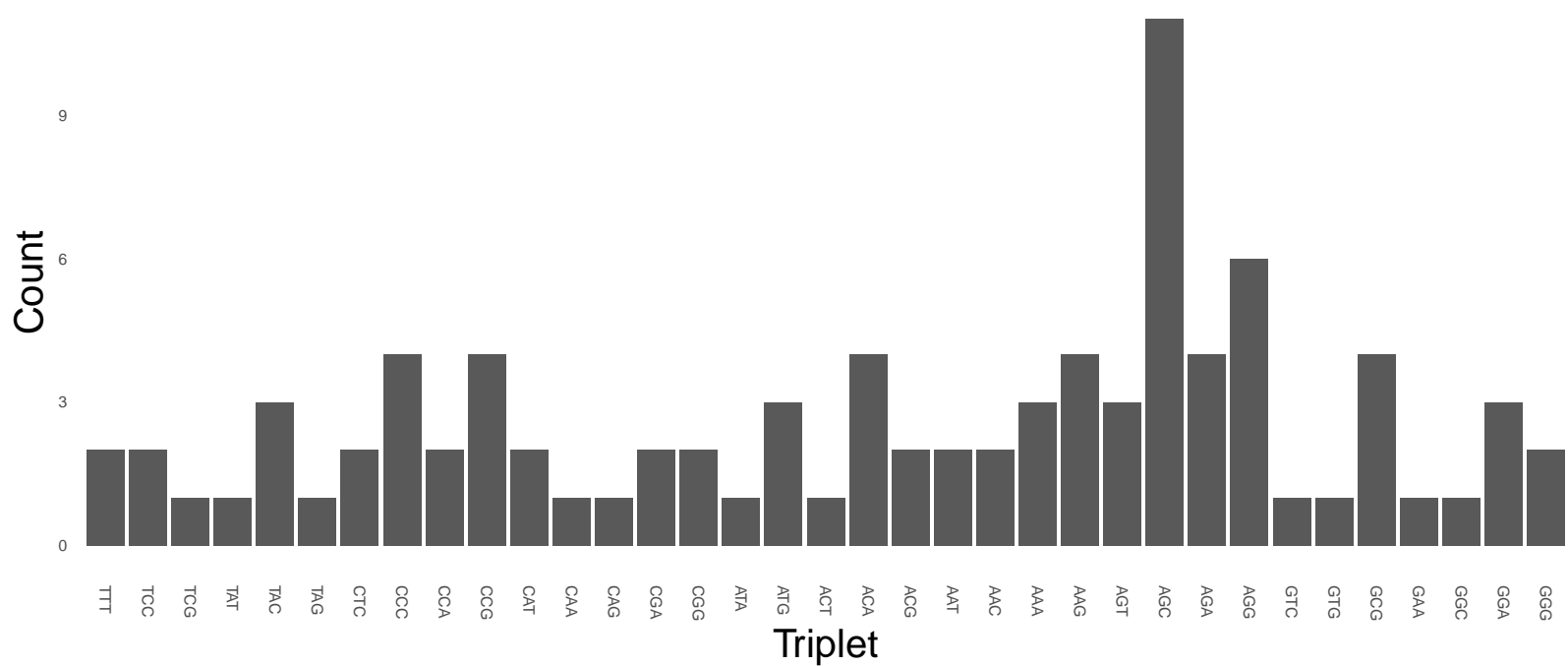
Gene TRBV7-1\*ap01\_G291C\_T296C



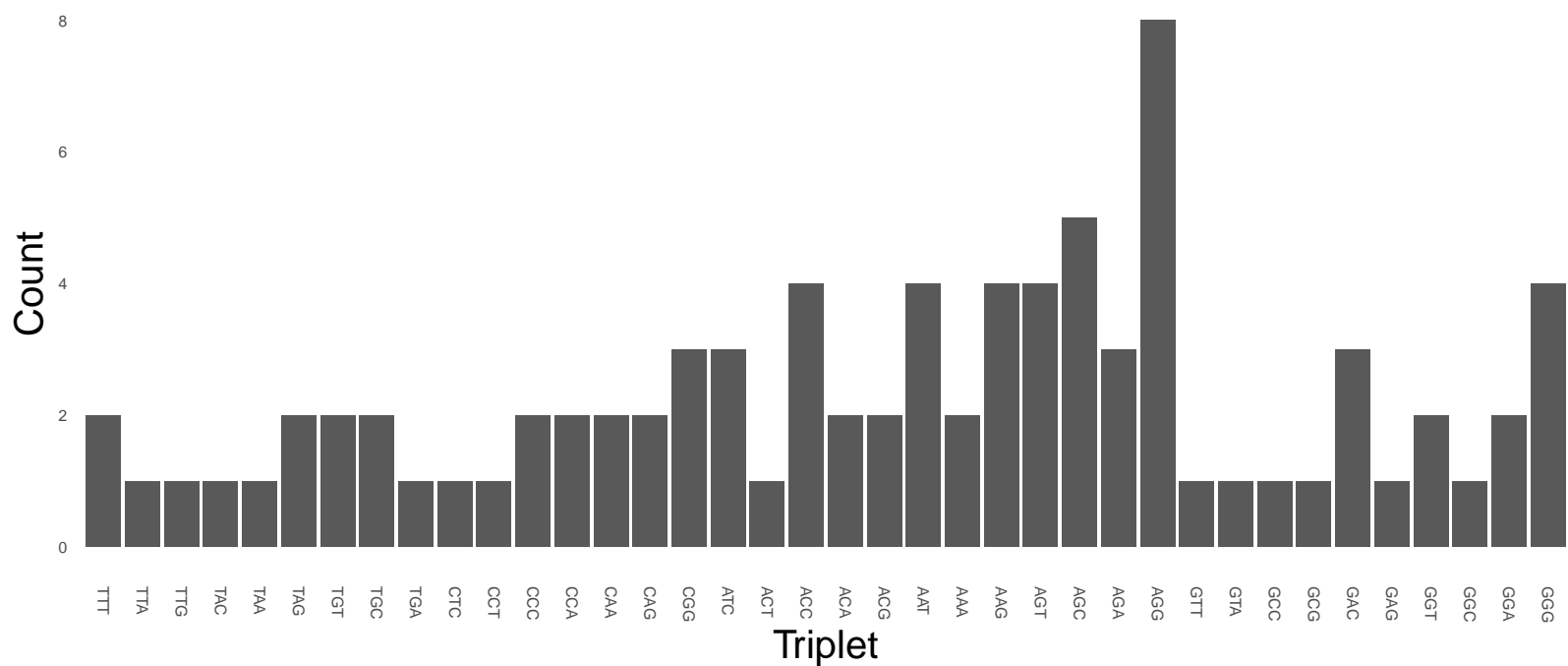
Gene TRBV7-7\*ap01\_C315T



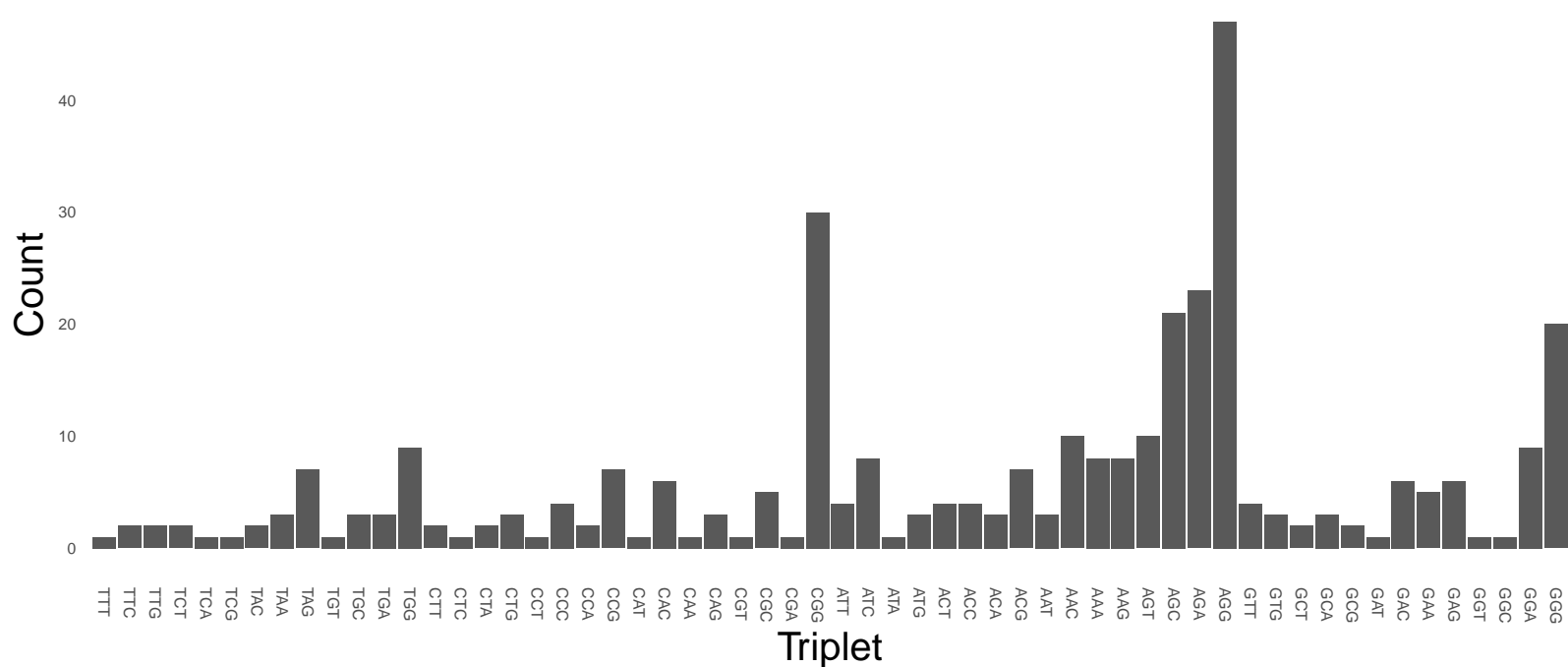
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

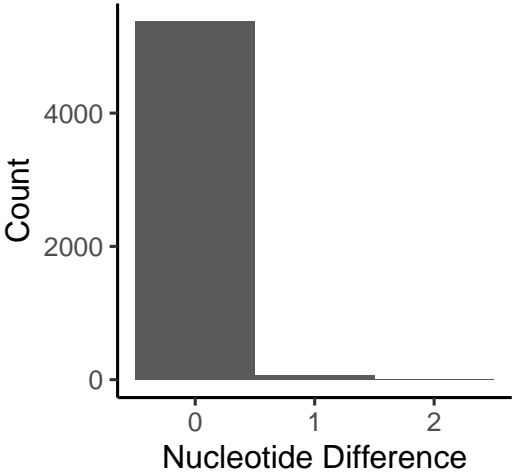


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



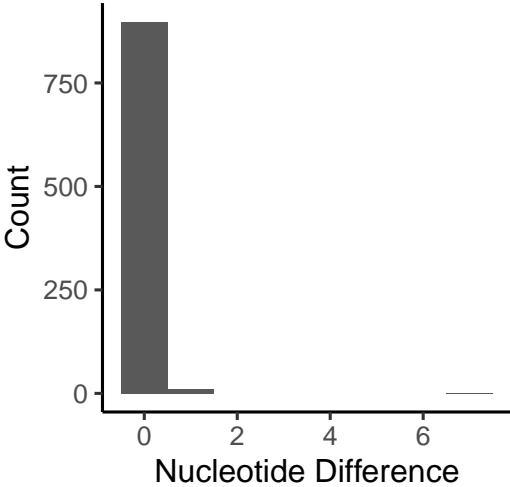
TRBV20-1\*ap01

5452 sequences assigned  
5376 (98.6%) exact matches, in which:  
5271 unique CDR3  
13 unique J



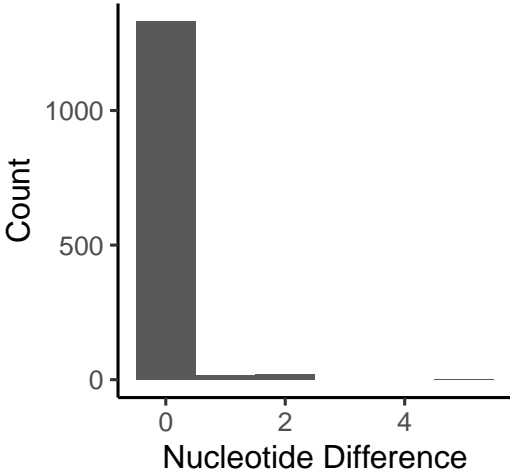
TRBV10-2\*ap01

910 sequences assigned  
898 (98.7%) exact matches, in which:  
879 unique CDR3  
13 unique J



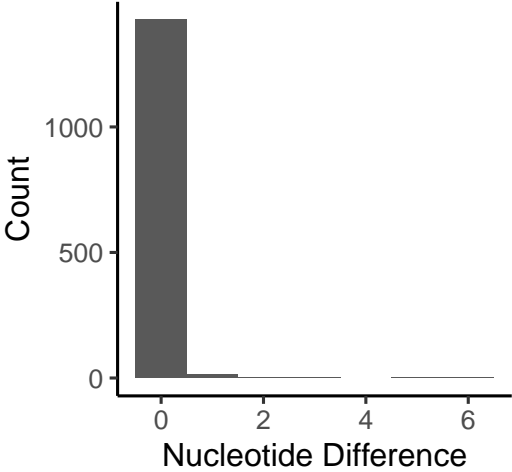
TRBV13\*ap01

1367 sequences assigned  
1331 (97.4%) exact matches, in which:  
1289 unique CDR3  
13 unique J



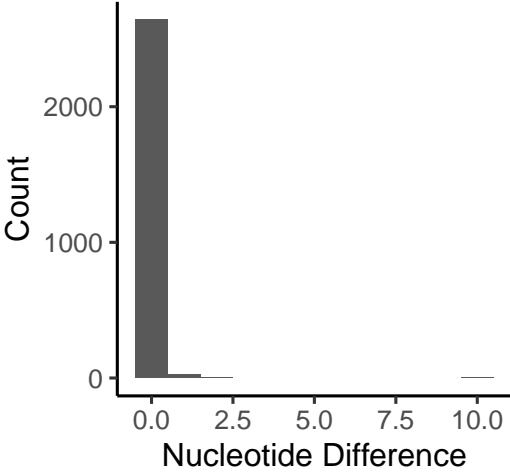
TRBV10-1\*ap01

1444 sequences assigned  
1427 (98.8%) exact matches, in which:  
1401 unique CDR3  
13 unique J



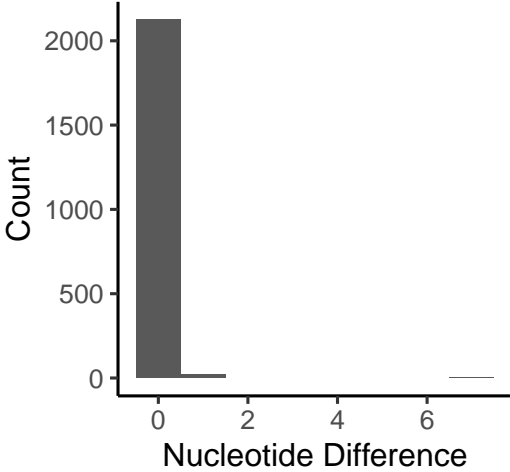
TRBV10-3\*ap01

2670 sequences assigned  
2641 (98.9%) exact matches, in which:  
2581 unique CDR3  
13 unique J



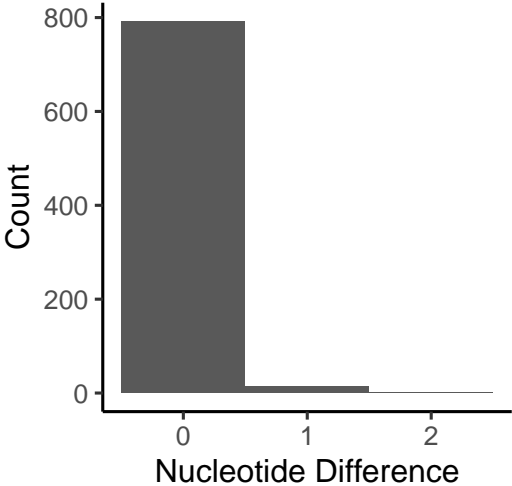
TRBV14\*ap01

2145 sequences assigned  
2125 (99.1%) exact matches, in which:  
2093 unique CDR3  
13 unique J



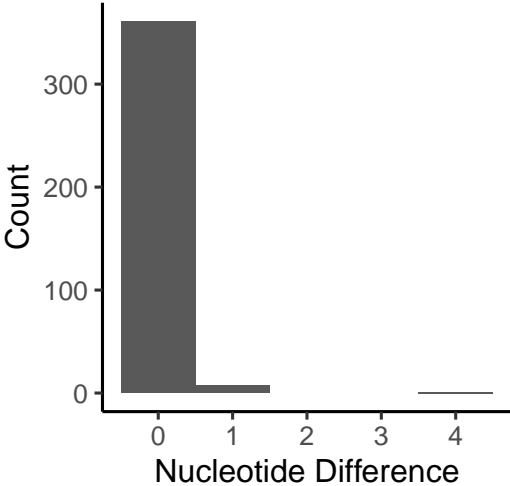
TRBV20-1\*ap02

806 sequences assigned  
792 (98.3%) exact matches, in which:  
772 unique CDR3  
13 unique J



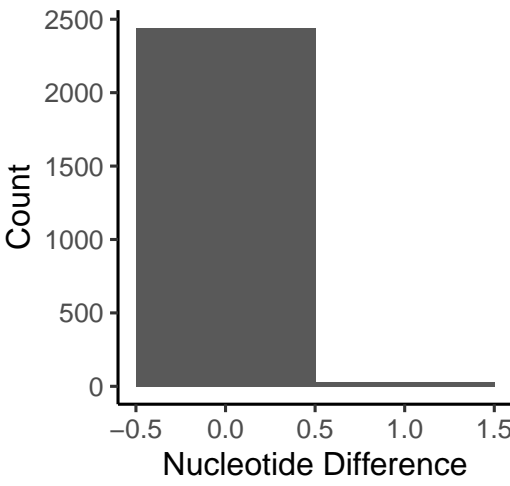
TRBV1\*ap01

369 sequences assigned  
361 (97.8%) exact matches, in which:  
352 unique CDR3  
13 unique J



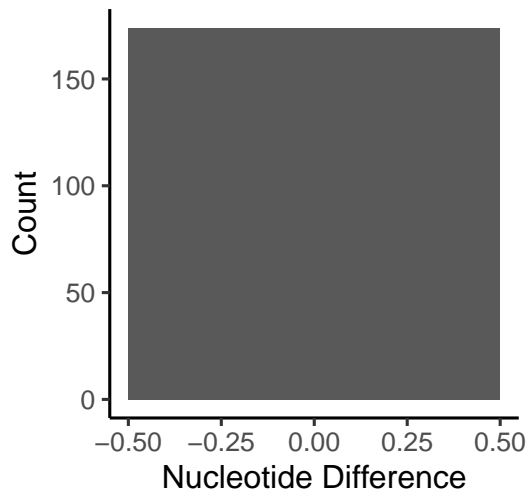
TRBV15\*ap02

2470 sequences assigned  
2440 (98.8%) exact matches, in which:  
2395 unique CDR3  
13 unique J



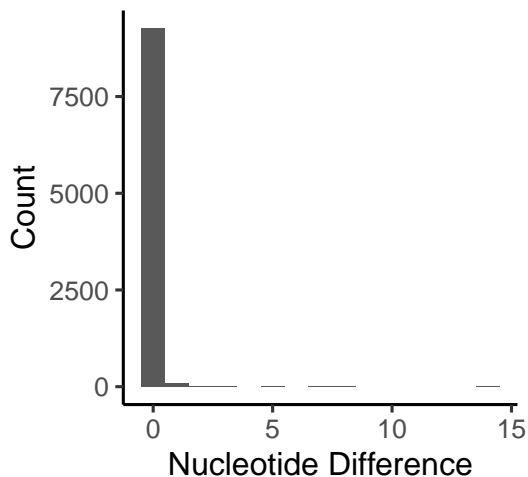
### TRBV16\*ap01

174 sequences assigned  
174 (100%) exact matches, in which:  
171 unique CDR3  
13 unique J



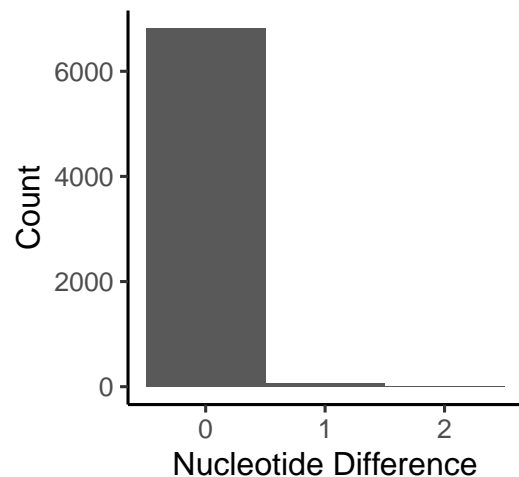
### TRBV19\*ap01

9373 sequences assigned  
9262 (98.8%) exact matches, in which:  
9139 unique CDR3  
13 unique J



### TRBV28\*ap01

6891 sequences assigned  
6816 (98.9%) exact matches, in which:  
6688 unique CDR3  
13 unique J



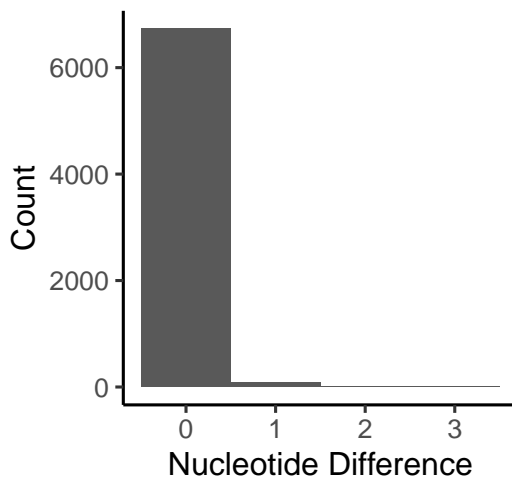
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



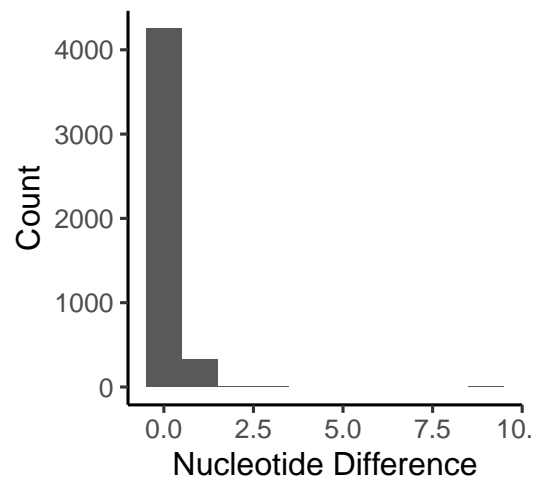
### TRBV2\*ap01

6822 sequences assigned  
6731 (98.7%) exact matches, in which:  
6607 unique CDR3  
13 unique J



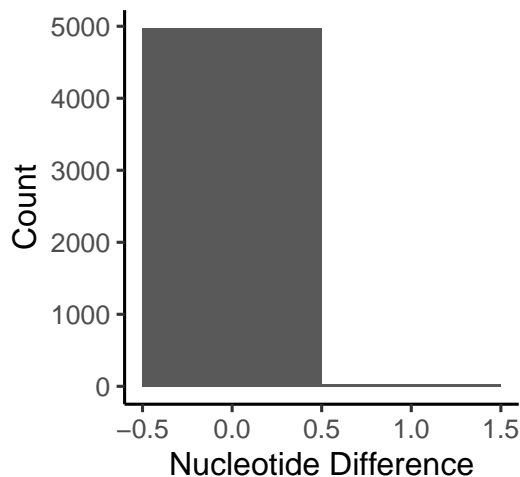
### TRBV30\*ap01

4588 sequences assigned  
4250 (92.6%) exact matches, in which:  
4167 unique CDR3  
13 unique J



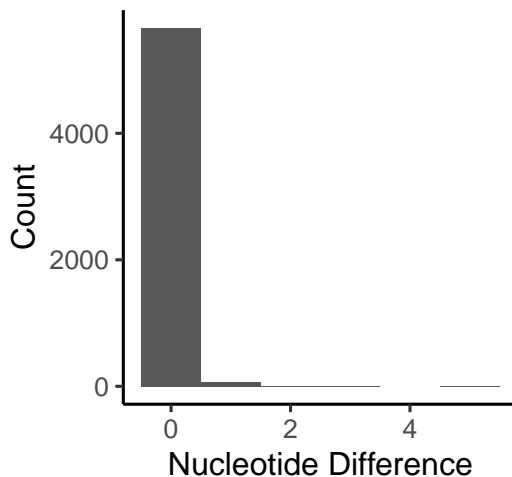
### TRBV18\*ap01

5008 sequences assigned  
4975 (99.3%) exact matches, in which:  
4921 unique CDR3  
13 unique J



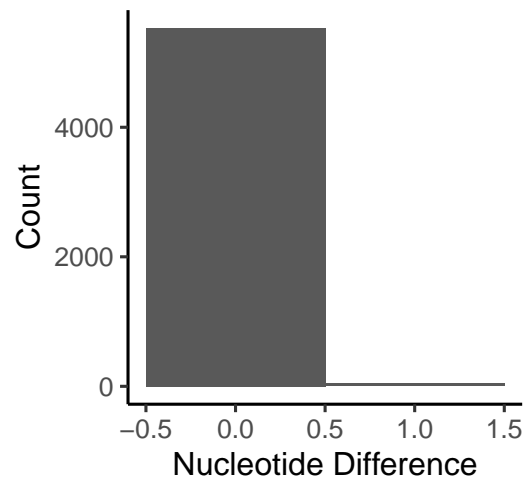
### TRBV27\*ap01

5731 sequences assigned  
5664 (98.8%) exact matches, in which:  
5526 unique CDR3  
13 unique J



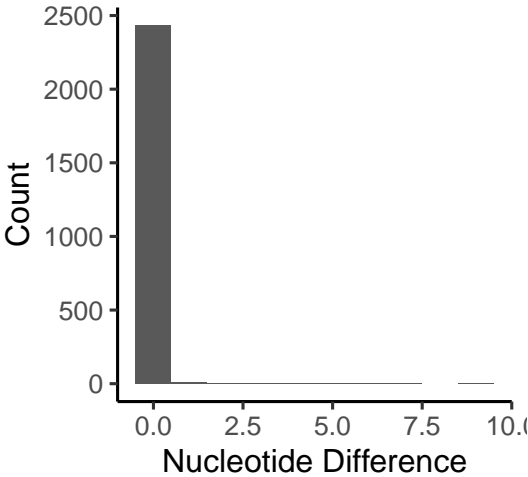
### TRBV9\*ap01

5575 sequences assigned  
5532 (99.2%) exact matches, in which:  
5443 unique CDR3  
13 unique J



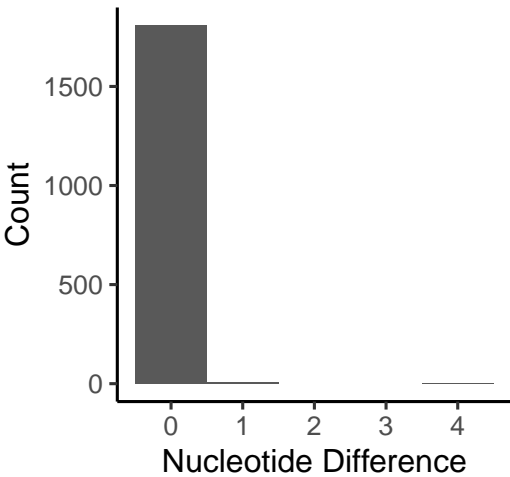
TRBV21-1\*ap01

2462 sequences assigned  
2433 (98.8%) exact matches, in which:  
2417 unique CDR3  
13 unique J



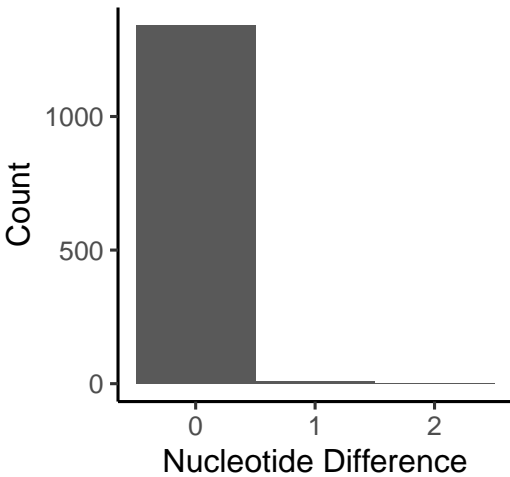
TRBV11-3\*ap01

1818 sequences assigned  
1808 (99.4%) exact matches, in which:  
1795 unique CDR3  
13 unique J



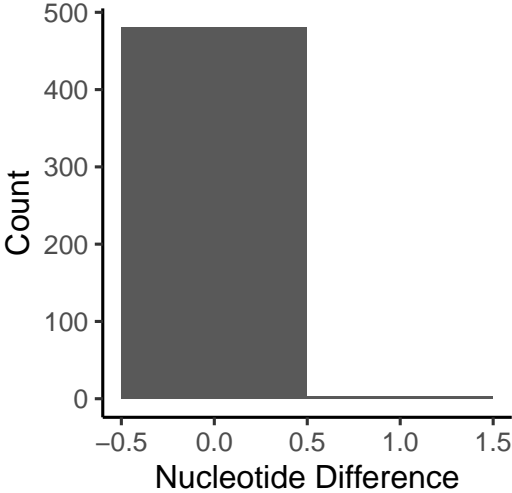
TRBV12-5\*ap01

1351 sequences assigned  
1341 (99.3%) exact matches, in which:  
1329 unique CDR3  
13 unique J



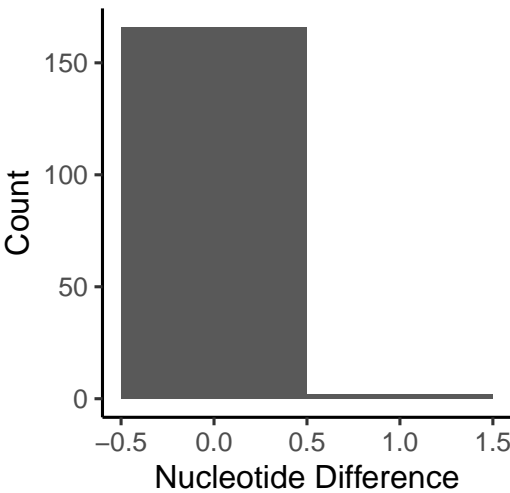
TRBV11-1\*ap01

484 sequences assigned  
481 (99.4%) exact matches, in which:  
480 unique CDR3  
13 unique J



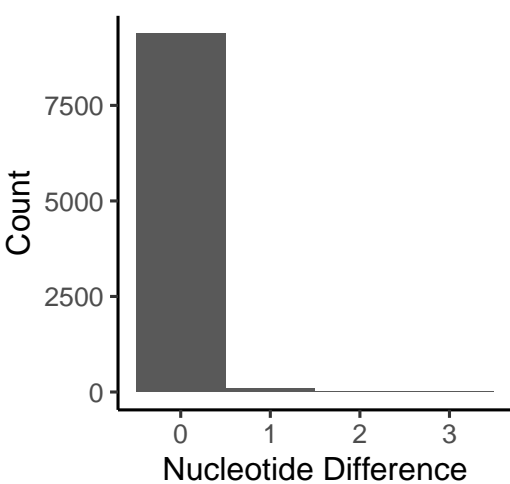
TRBV12-1\*ap01

168 sequences assigned  
166 (98.8%) exact matches, in which:  
163 unique CDR3  
13 unique J



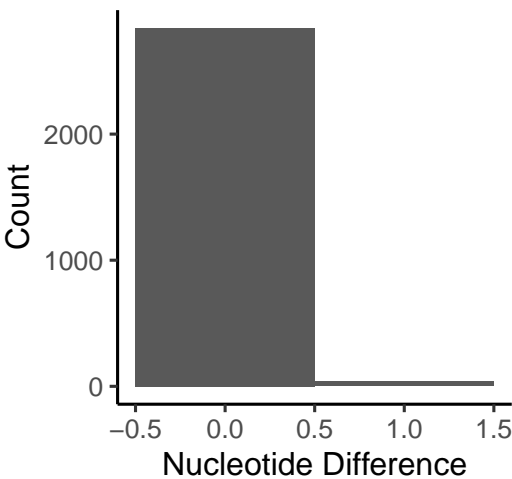
TRBV12-34\*ap01

9474 sequences assigned  
9375 (99%) exact matches, in which:  
9202 unique CDR3  
13 unique J



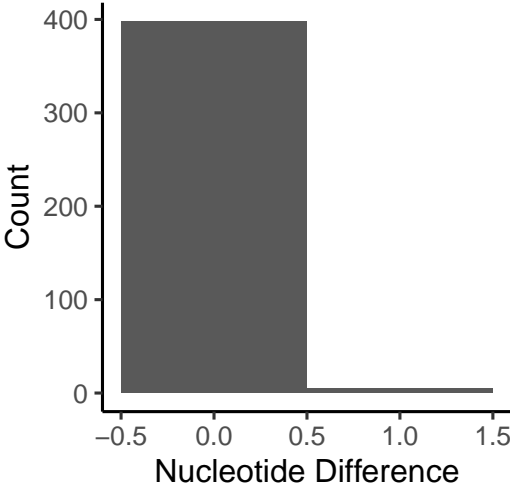
TRBV11-2\*ap01

2879 sequences assigned  
2841 (98.7%) exact matches, in which:  
2813 unique CDR3  
13 unique J



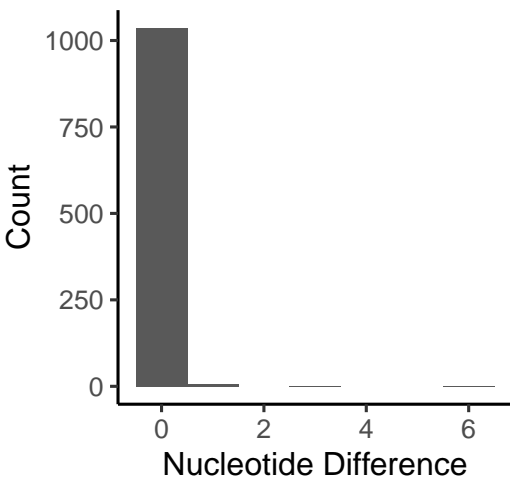
TRBV12-2\*ap01

403 sequences assigned  
398 (98.8%) exact matches, in which:  
394 unique CDR3  
13 unique J



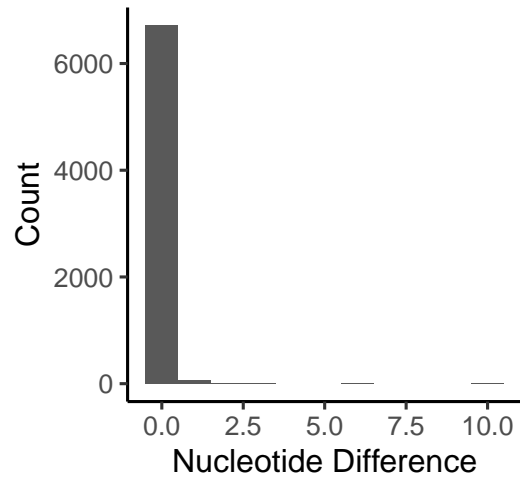
TRBV23-1\*ap01

1045 sequences assigned  
1036 (99.1%) exact matches, in which:  
1003 unique CDR3  
13 unique J



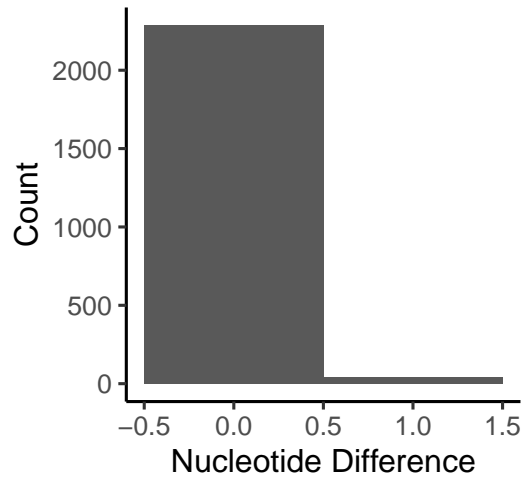
### TRBV3-12\*ap01

6793 sequences assigned  
6714 (98.8%) exact matches, in which:  
6619 unique CDR3  
13 unique J



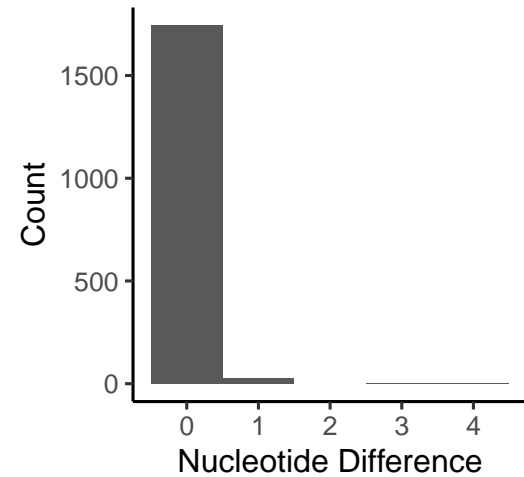
### TRBV4-2\*ap01

2327 sequences assigned  
2286 (98.2%) exact matches, in which:  
2237 unique CDR3  
13 unique J



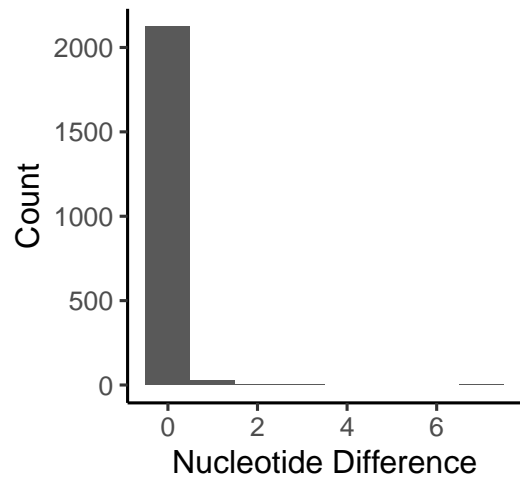
### TRBV25-1\*ap01

1771 sequences assigned  
1744 (98.5%) exact matches, in which:  
1714 unique CDR3  
13 unique J



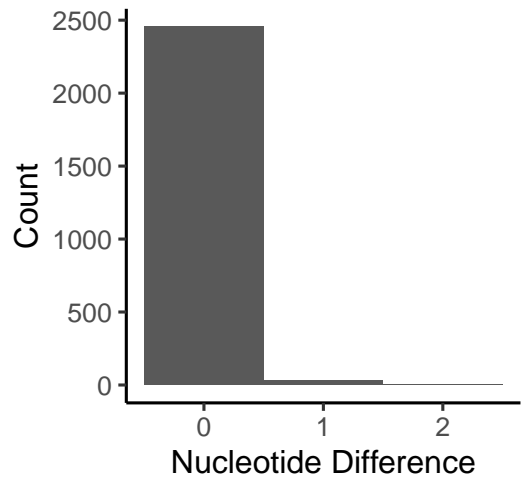
### TRBV24-1\*ap01

2155 sequences assigned  
2123 (98.5%) exact matches, in which:  
2068 unique CDR3  
13 unique J



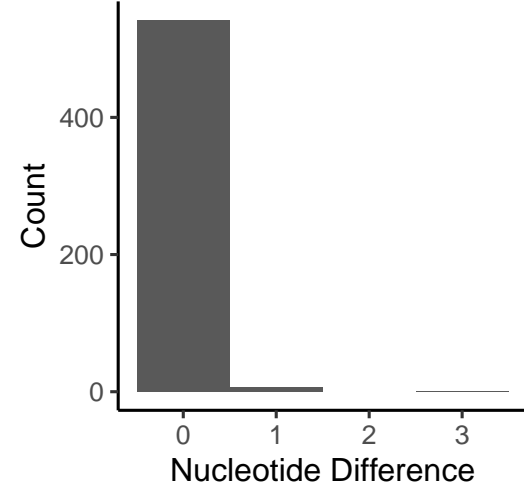
### TRBV4-3\*ap01

2488 sequences assigned  
2455 (98.7%) exact matches, in which:  
2404 unique CDR3  
13 unique J



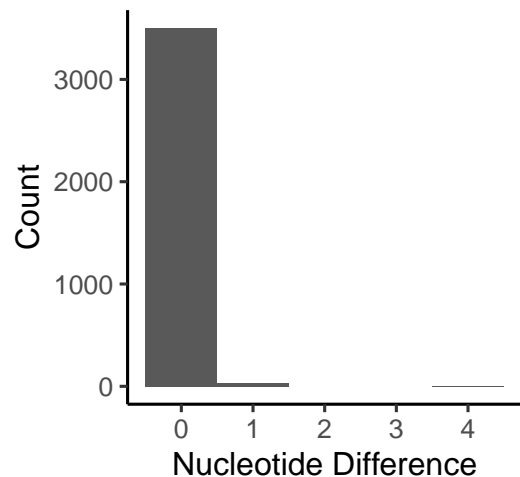
### TRBV5-3\*ap01

549 sequences assigned  
542 (98.7%) exact matches, in which:  
528 unique CDR3  
13 unique J



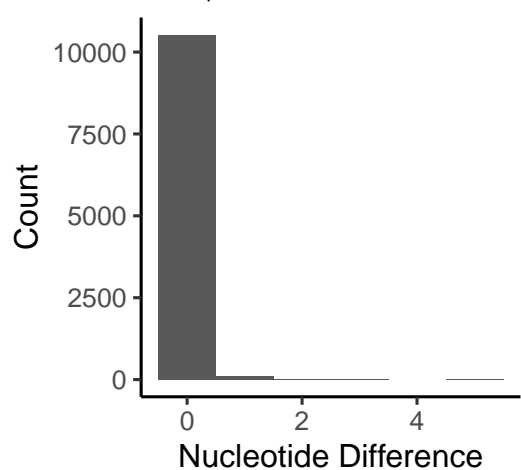
### TRBV4-1\*ap01

3534 sequences assigned  
3502 (99.1%) exact matches, in which:  
3415 unique CDR3  
13 unique J



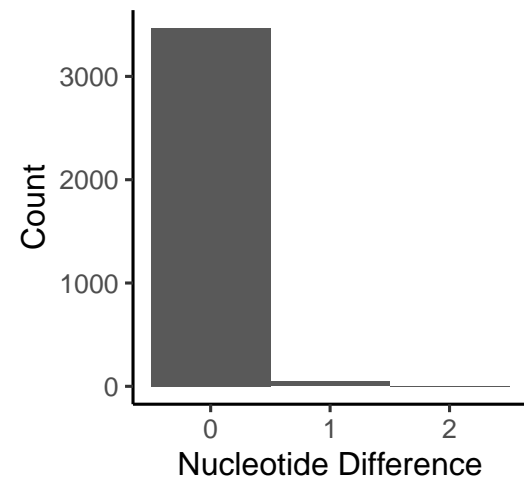
### TRBV5-1\*ap01

10644 sequences assigned  
10528 (98.9%) exact matches, in which:  
10251 unique CDR3  
13 unique J



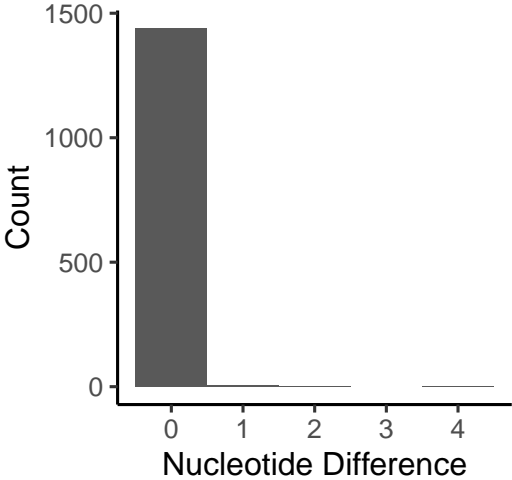
### TRBV5-4\*ap01

3518 sequences assigned  
3468 (98.6%) exact matches, in which:  
3387 unique CDR3  
13 unique J



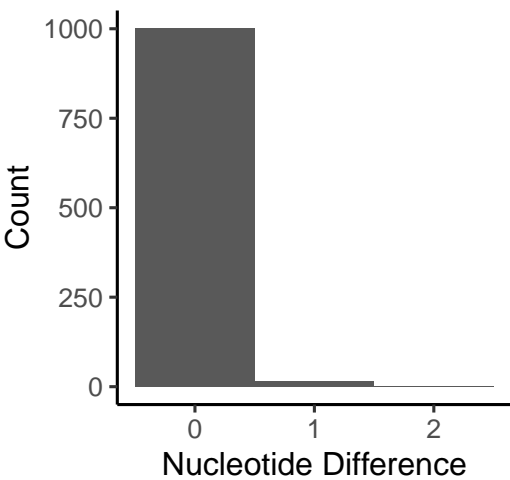
TRBV5-5\*ap01

1449 sequences assigned  
1439 (99.3%) exact matches, in which:  
1422 unique CDR3  
13 unique J



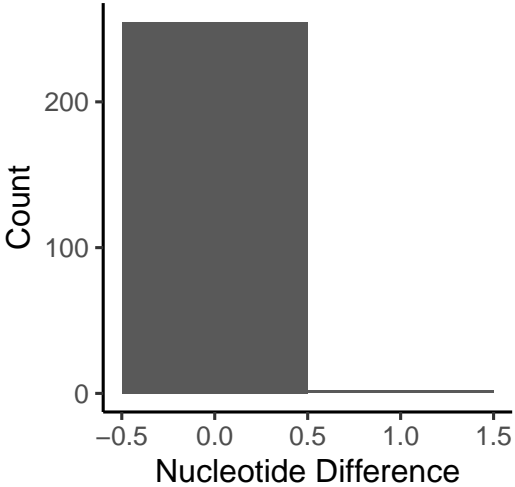
TRBV5-8\*ap01

1017 sequences assigned  
1001 (98.4%) exact matches, in which:  
984 unique CDR3  
13 unique J



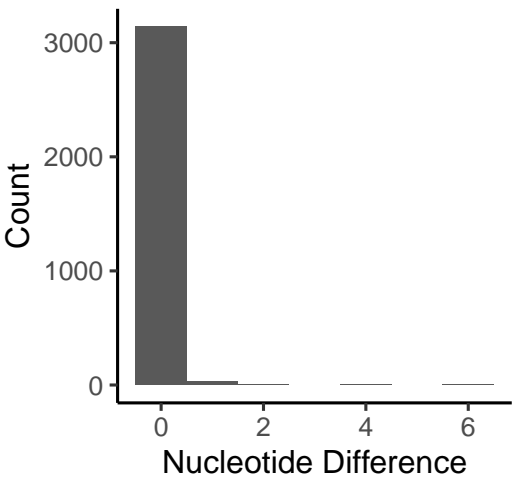
TRBV6-7\*ap01

257 sequences assigned  
255 (99.2%) exact matches, in which:  
249 unique CDR3  
12 unique J



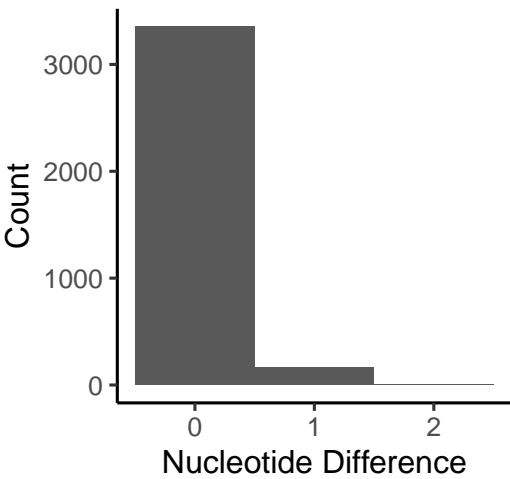
TRBV5-6\*ap01

3177 sequences assigned  
3140 (98.8%) exact matches, in which:  
3048 unique CDR3  
13 unique J



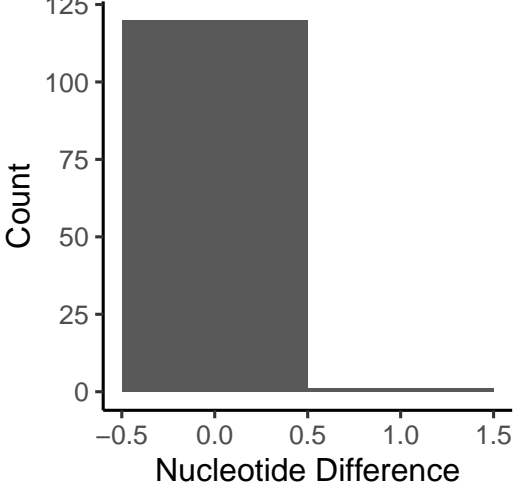
TRBV6-1\*ap01

3515 sequences assigned  
3353 (95.4%) exact matches, in which:  
3283 unique CDR3  
13 unique J



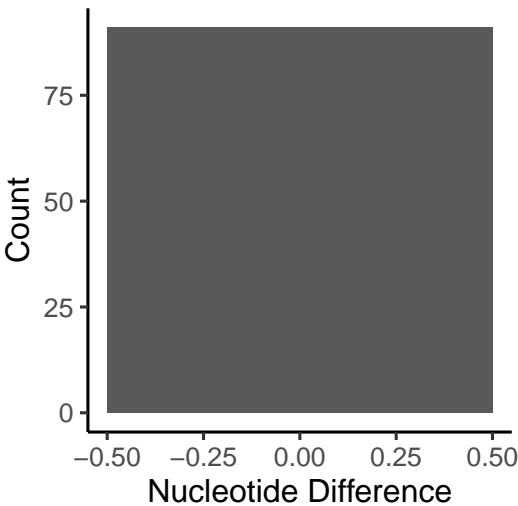
TRBV6-8\*ap01

121 sequences assigned  
120 (99.2%) exact matches, in which:  
115 unique CDR3  
12 unique J



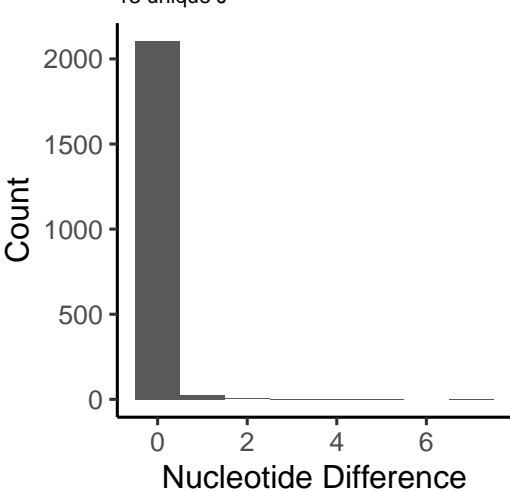
TRBV5-7\*ap01

91 sequences assigned  
91 (100%) exact matches, in which:  
90 unique CDR3  
12 unique J



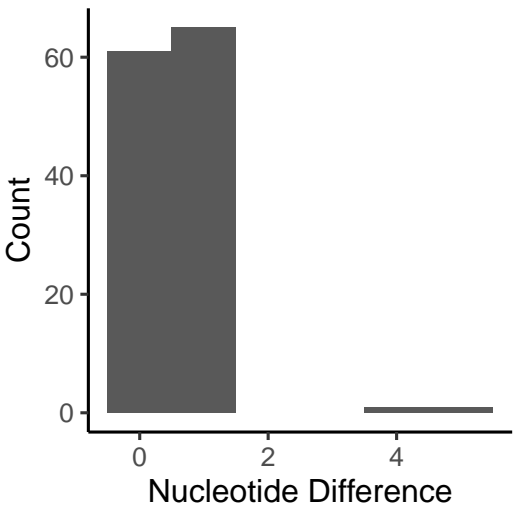
TRBV6-4\*ap01

2144 sequences assigned  
2105 (98.2%) exact matches, in which:  
2076 unique CDR3  
13 unique J



TRBV6-9\*ap01

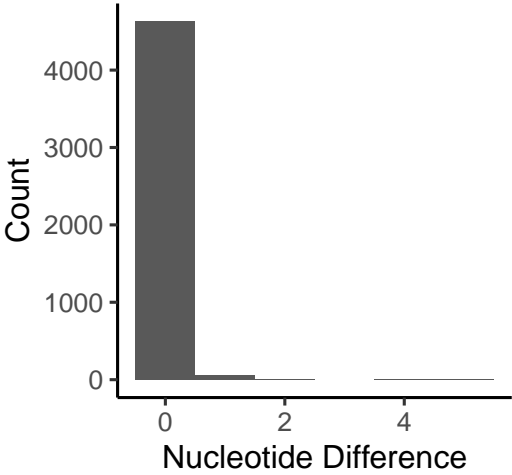
128 sequences assigned  
61 (47.7%) exact matches, in which:  
58 unique CDR3  
13 unique J





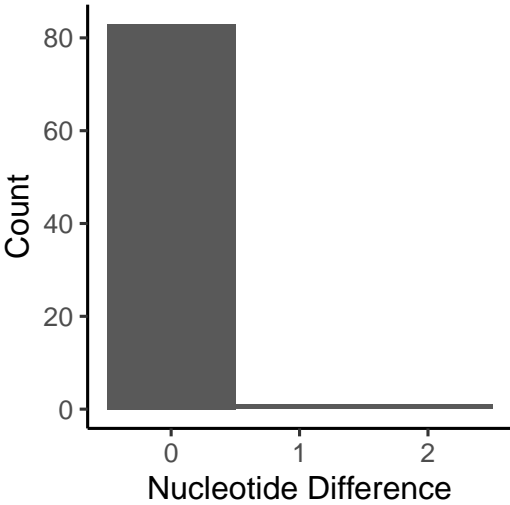
TRBV6-23\*ap01

4697 sequences assigned  
4629 (98.6%) exact matches, in which:  
4484 unique CDR3  
13 unique J



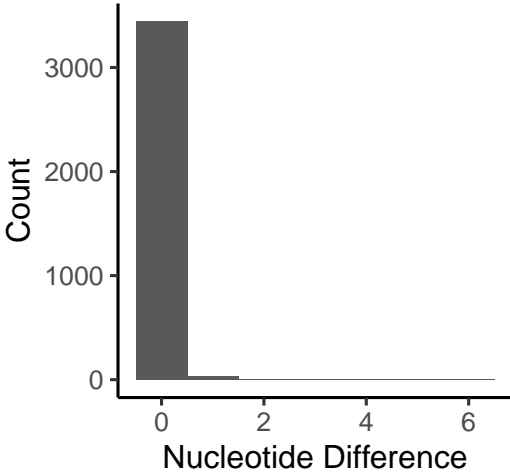
TRBV7-1\*ap01\_G291C\_T

85 sequences assigned  
83 (97.6%) exact matches, in which:  
83 unique CDR3  
13 unique J



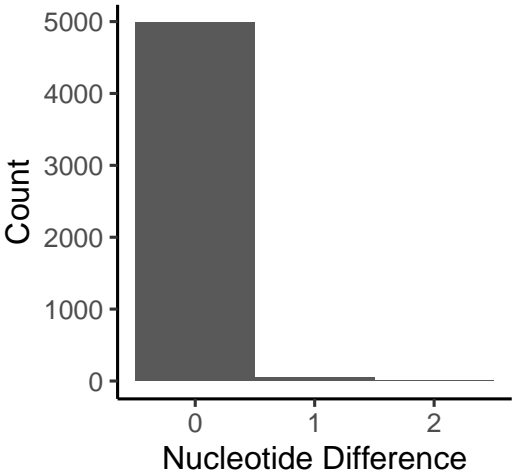
TRBV7-3\*ap01

3488 sequences assigned  
3443 (98.7%) exact matches, in which:  
3382 unique CDR3  
13 unique J



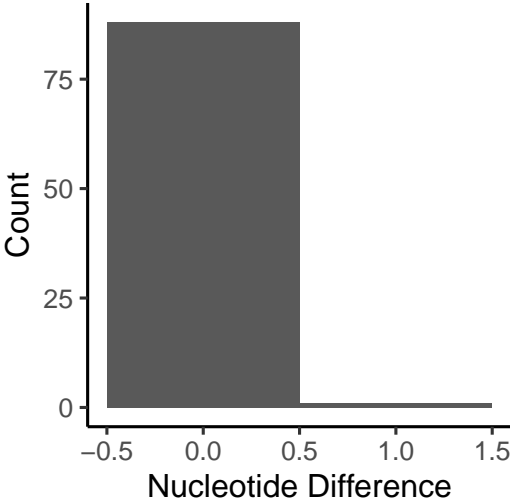
TRBV6-56\*ap01

5037 sequences assigned  
4984 (98.9%) exact matches, in which:  
4843 unique CDR3  
13 unique J



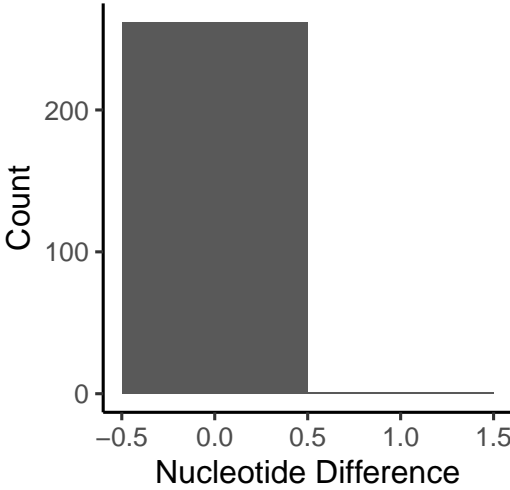
TRBV7-1\*ap01\_G291C\_T

89 sequences assigned  
88 (98.9%) exact matches, in which:  
87 unique CDR3  
12 unique J



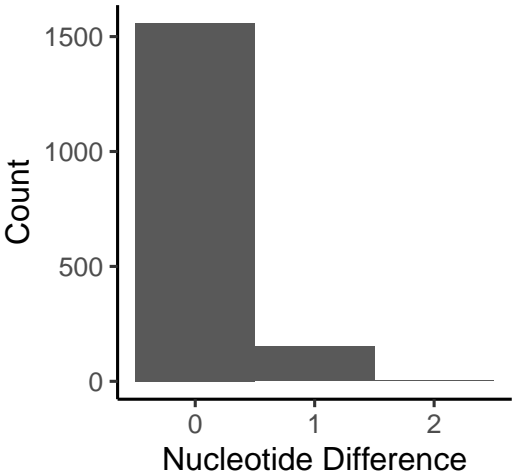
TRBV7-4\*ap01

263 sequences assigned  
262 (99.6%) exact matches, in which:  
252 unique CDR3  
13 unique J



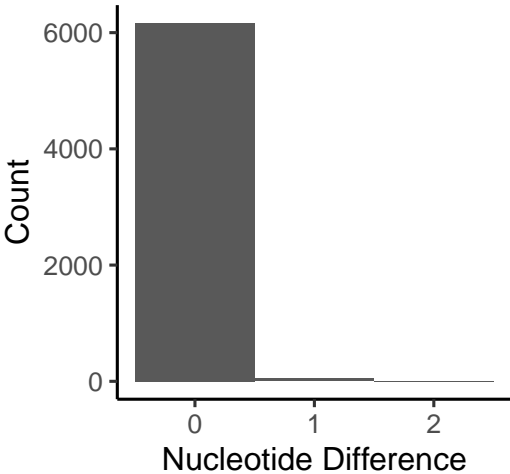
TRBV6-56\*ap02

1715 sequences assigned  
1559 (90.9%) exact matches, in which:  
1523 unique CDR3  
13 unique J



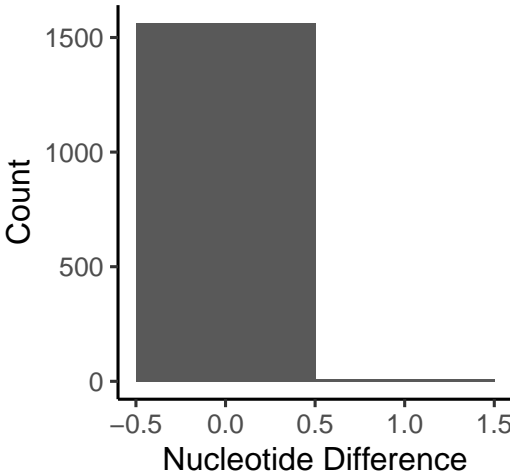
TRBV7-2\*ap01

6217 sequences assigned  
6165 (99.2%) exact matches, in which:  
6053 unique CDR3  
13 unique J



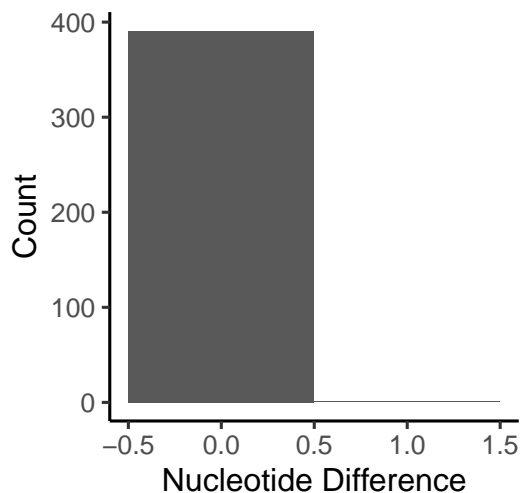
TRBV7-6\*ap01

1572 sequences assigned  
1563 (99.4%) exact matches, in which:  
1530 unique CDR3  
13 unique J



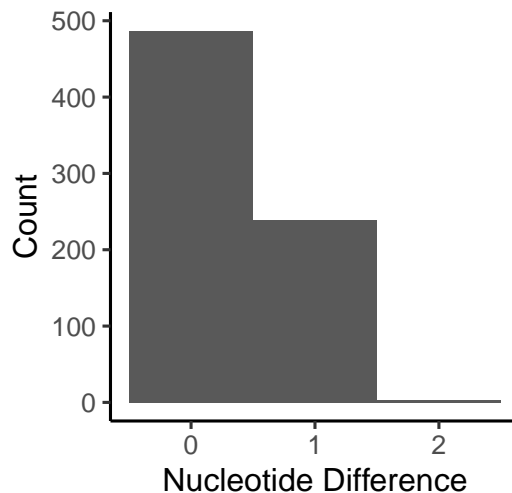
### TRBV7-7\*ap01

392 sequences assigned  
391 (99.7%) exact matches, in which:  
383 unique CDR3  
13 unique J



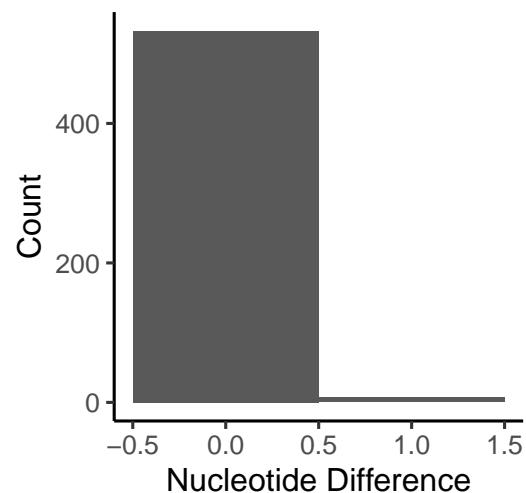
### TRBV7-8\*ap03

729 sequences assigned  
487 (66.8%) exact matches, in which:  
479 unique CDR3  
13 unique J



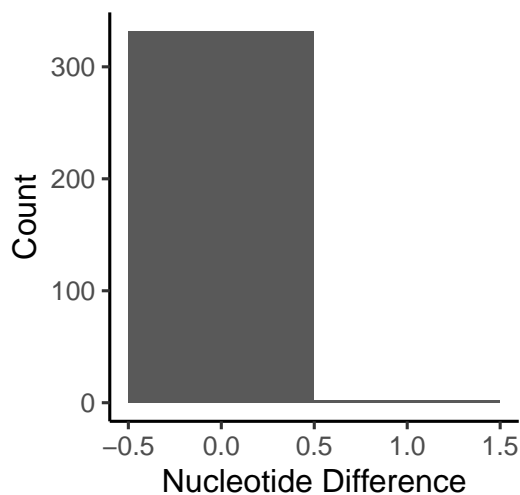
### TRBV29-1\*ap02

540 sequences assigned  
533 (98.7%) exact matches, in which:  
519 unique CDR3  
13 unique J



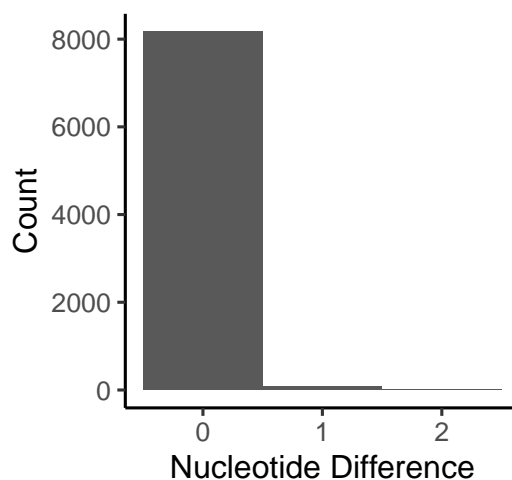
### TRBV7-7\*ap01\_C315T

334 sequences assigned  
332 (99.4%) exact matches, in which:  
329 unique CDR3  
13 unique J



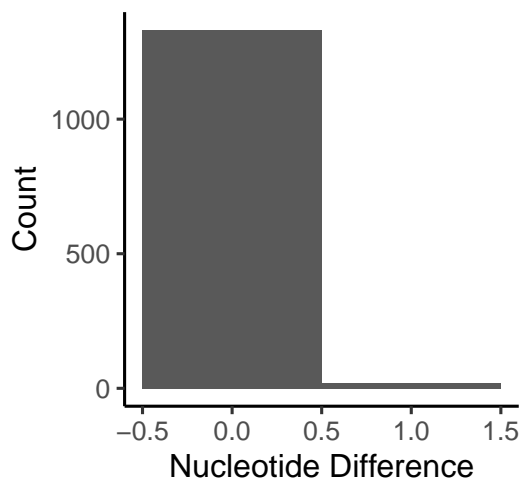
### TRBV7-9\*ap01

8241 sequences assigned  
8169 (99.1%) exact matches, in which:  
8026 unique CDR3  
13 unique J



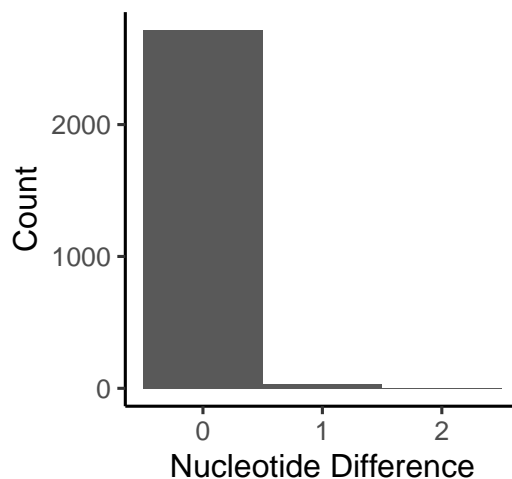
### TRBV7-8\*ap01

1351 sequences assigned  
1331 (98.5%) exact matches, in which:  
1314 unique CDR3  
13 unique J

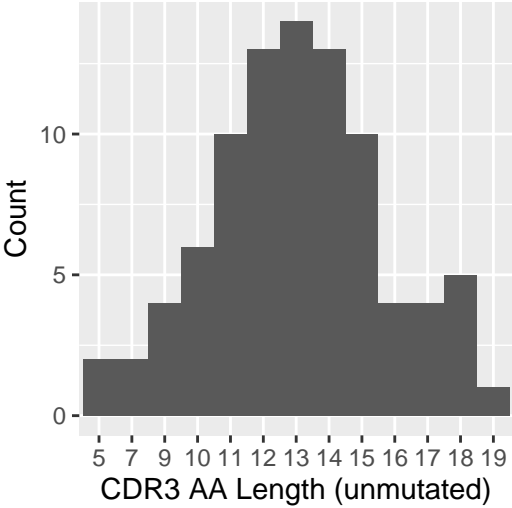


### TRBV29-1\*ap01

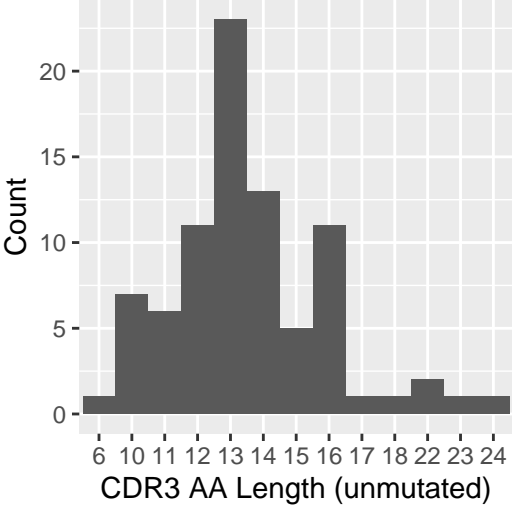
2750 sequences assigned  
2717 (98.8%) exact matches, in which:  
2648 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

