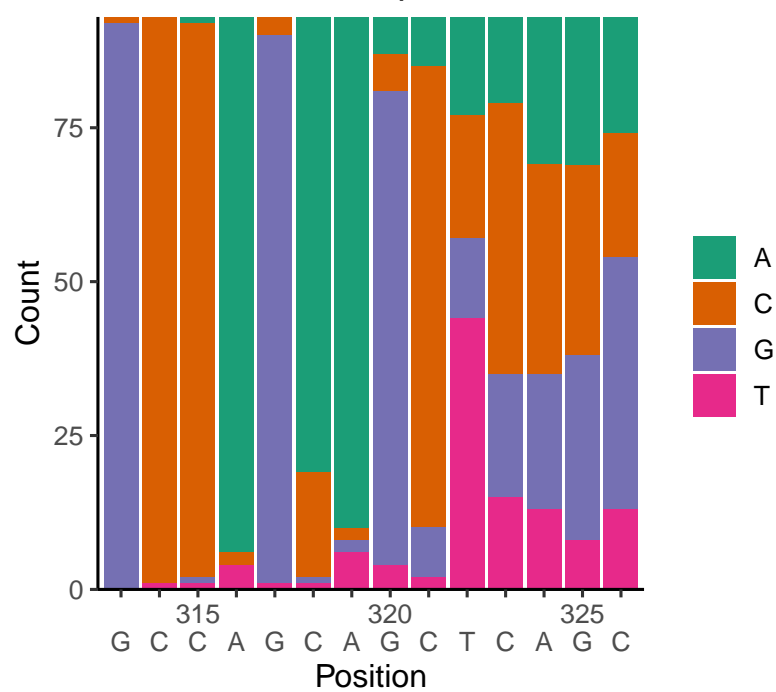


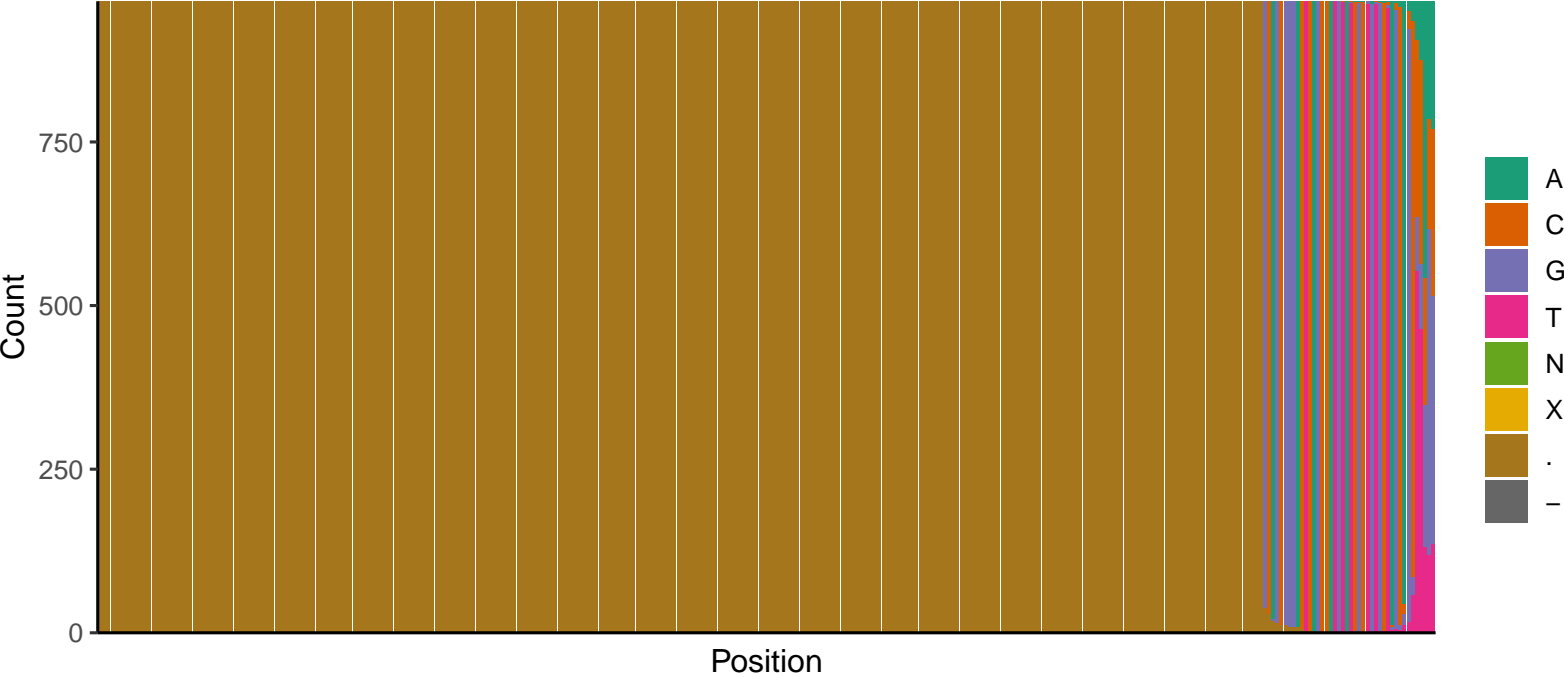
Gene TRBV7-1\*ap01\_T296C



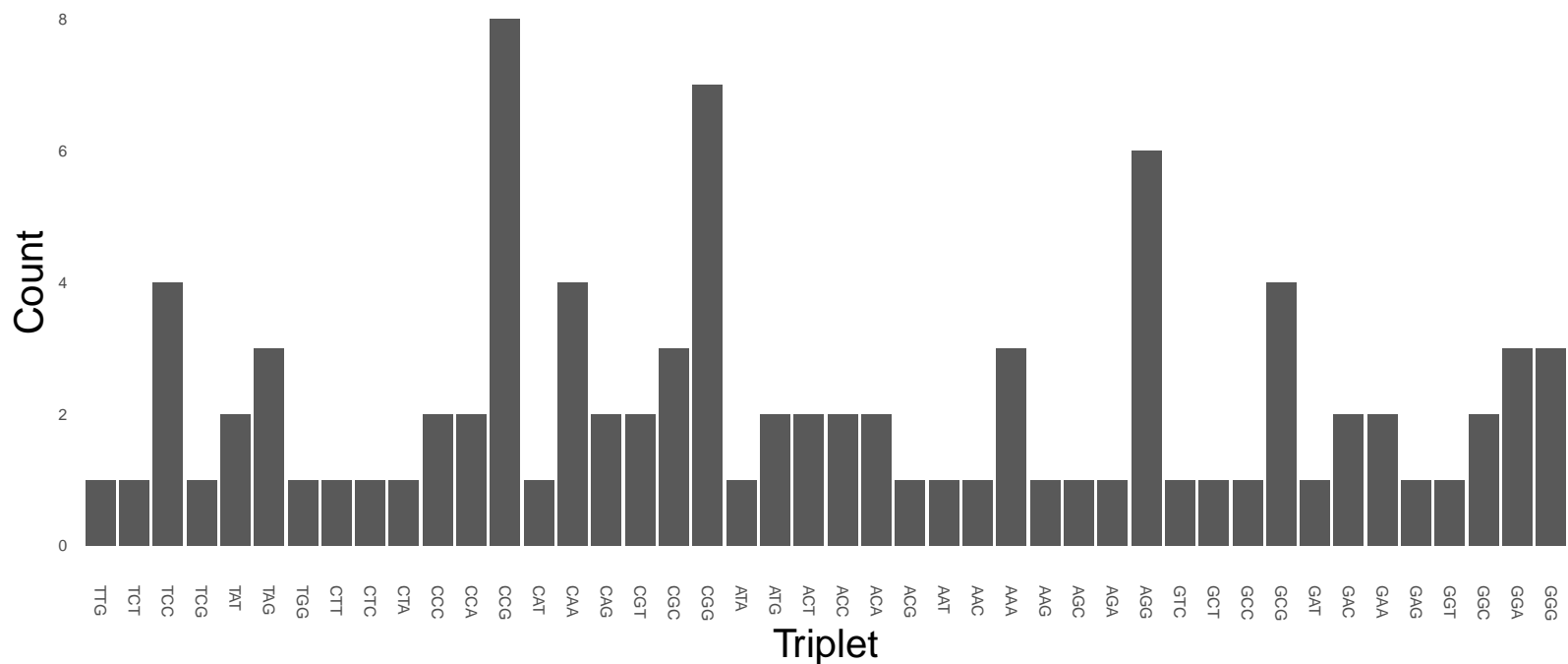
Gene TRBV7-1\*ap01\_T296C



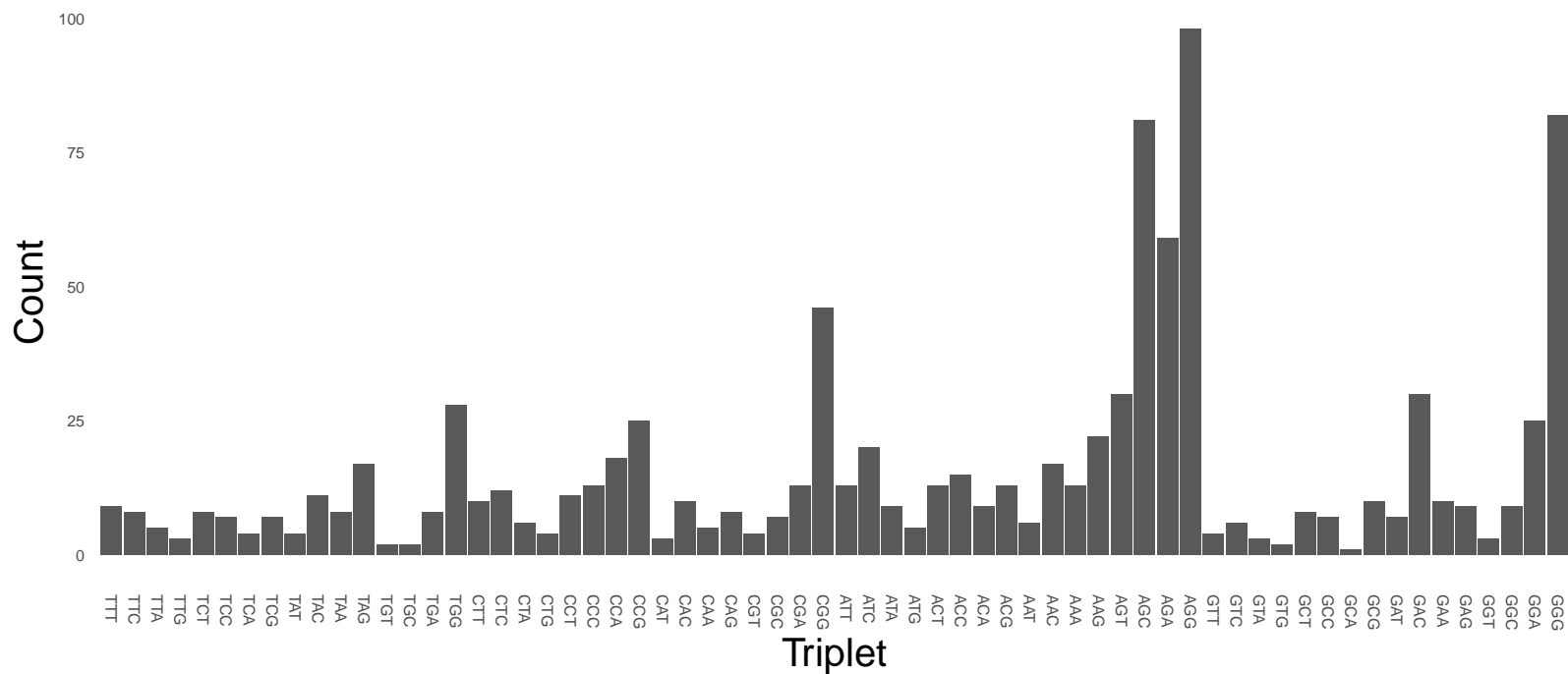
Gene TRBV7-7\*ap01\_C315T



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

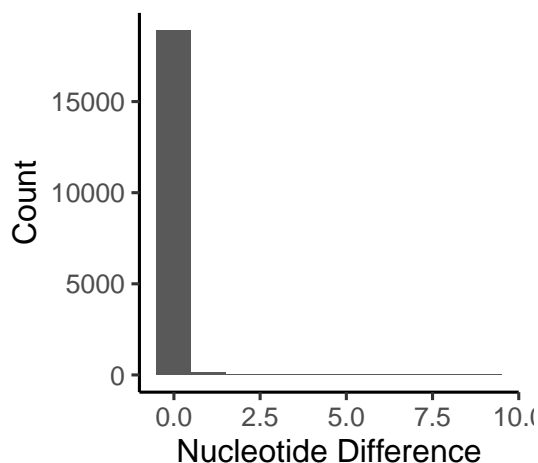


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



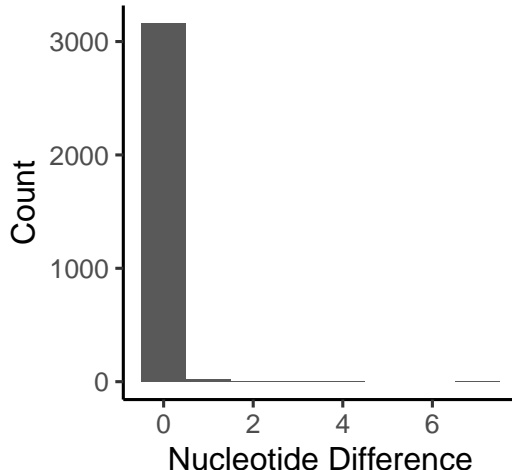
### TRBV20-1\*ap01

19111 sequences assigned  
18919 (99%) exact matches, in which:  
18748 unique CDR3  
13 unique J



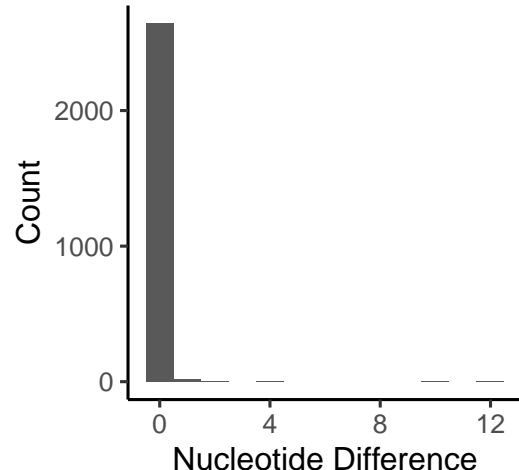
### TRBV10-3\*ap01

3193 sequences assigned  
3160 (99%) exact matches, in which:  
3111 unique CDR3  
13 unique J



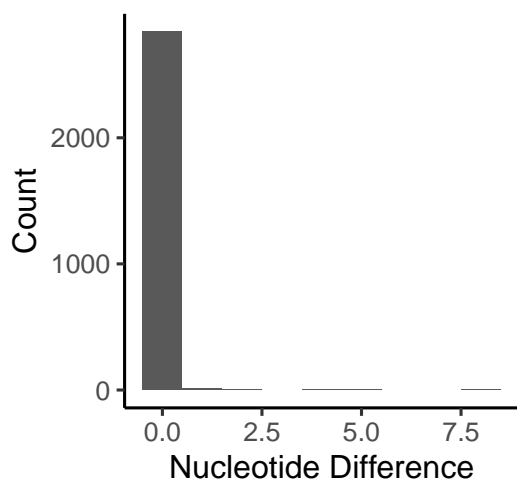
### TRBV14\*ap01

2662 sequences assigned  
2643 (99.3%) exact matches, in which:  
2616 unique CDR3  
13 unique J



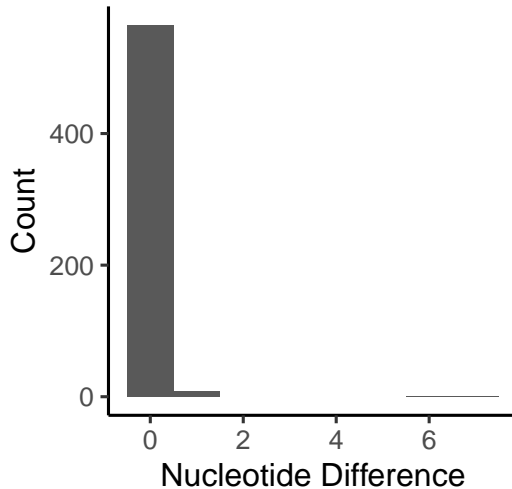
### TRBV10-1\*ap01

2861 sequences assigned  
2841 (99.3%) exact matches, in which:  
2801 unique CDR3  
13 unique J



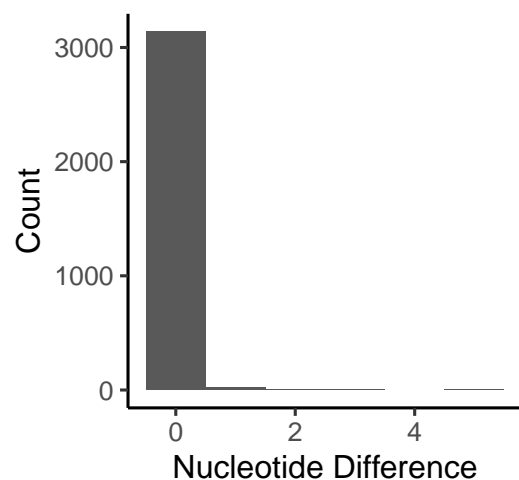
### TRBV1\*ap01

575 sequences assigned  
565 (98.3%) exact matches, in which:  
555 unique CDR3  
13 unique J



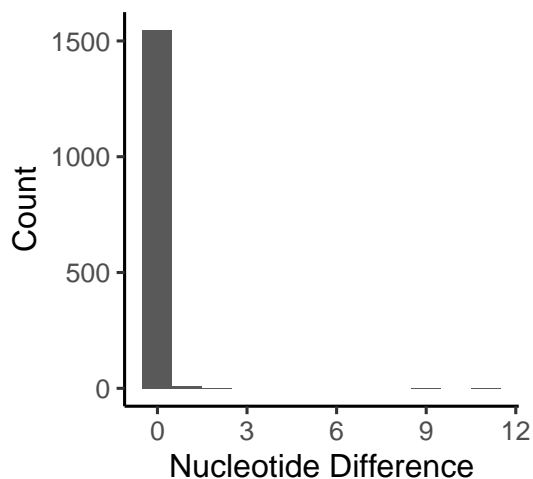
### TRBV15\*ap02

3166 sequences assigned  
3138 (99.1%) exact matches, in which:  
3094 unique CDR3  
13 unique J



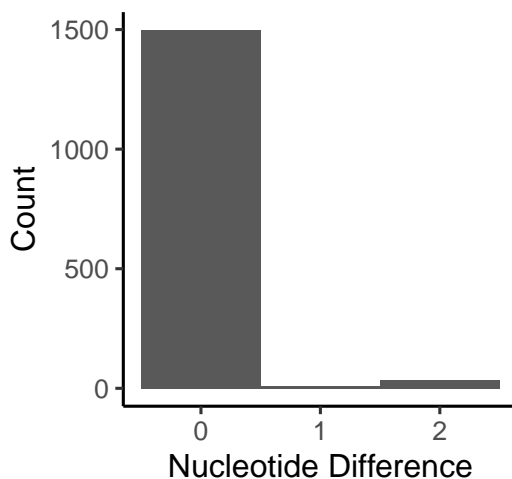
### TRBV10-2\*ap01

1560 sequences assigned  
1547 (99.2%) exact matches, in which:  
1531 unique CDR3  
13 unique J



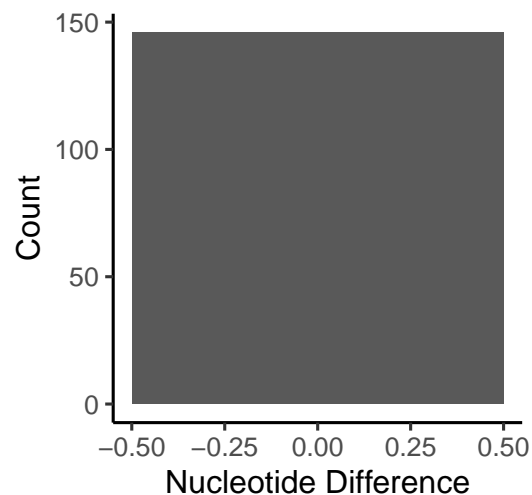
### TRBV13\*ap01

1543 sequences assigned  
1498 (97.1%) exact matches, in which:  
1455 unique CDR3  
13 unique J



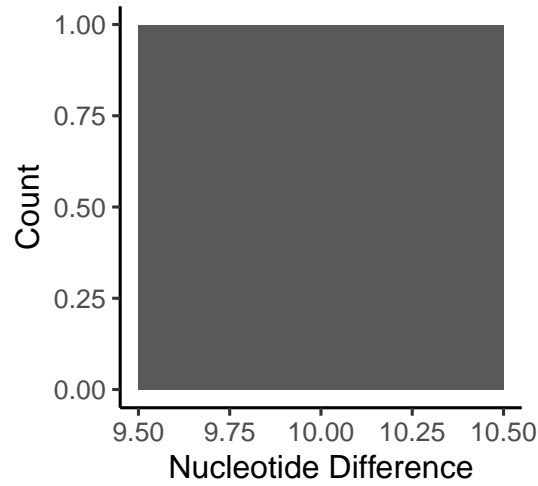
### TRBV16\*ap01

146 sequences assigned  
146 (100%) exact matches, in which:  
146 unique CDR3  
12 unique J



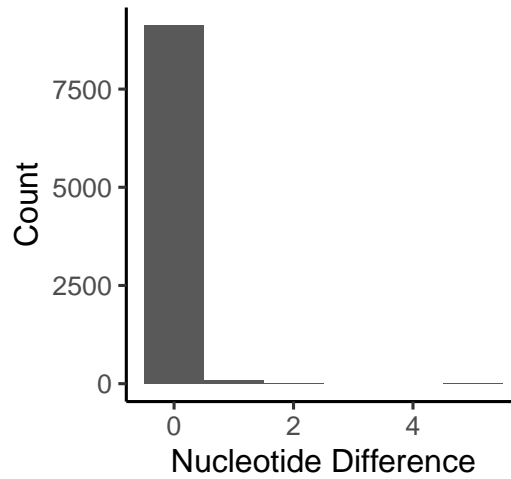
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



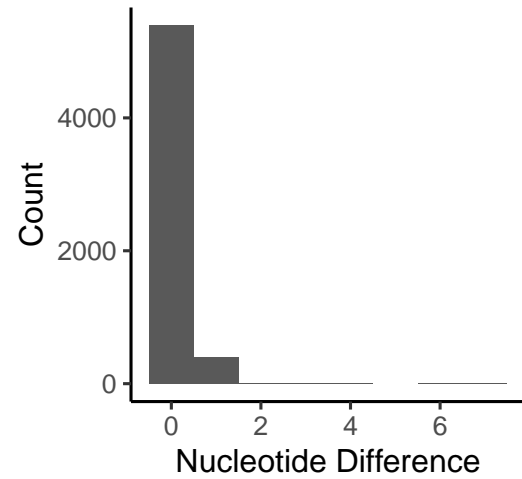
### TRBV2\*ap01

9210 sequences assigned  
9121 (99%) exact matches, in which:  
8970 unique CDR3  
13 unique J



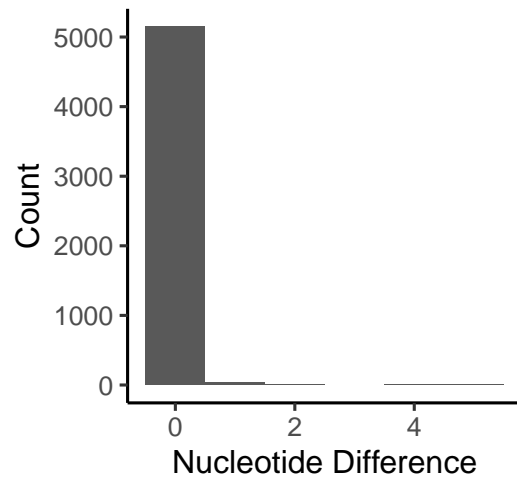
### TRBV30\*ap01

5807 sequences assigned  
5392 (92.9%) exact matches, in which:  
5246 unique CDR3  
13 unique J



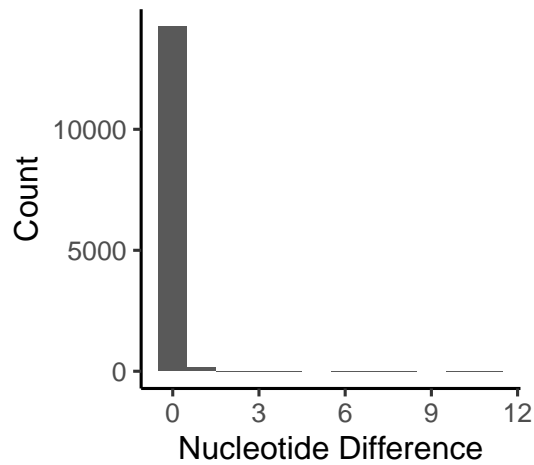
### TRBV18\*ap01

5182 sequences assigned  
5148 (99.3%) exact matches, in which:  
5127 unique CDR3  
13 unique J



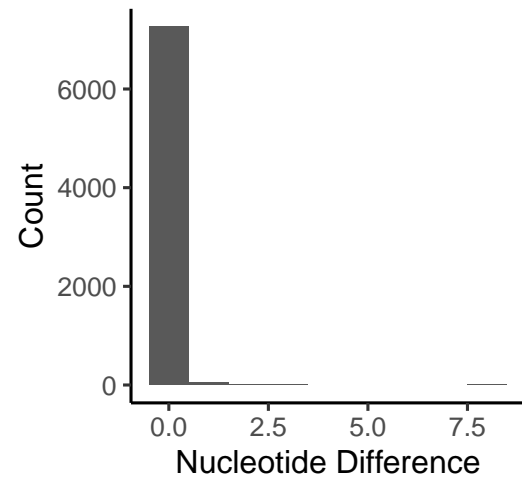
### TRBV27\*ap01

14417 sequences assigned  
14251 (98.8%) exact matches, in which:  
14004 unique CDR3  
13 unique J



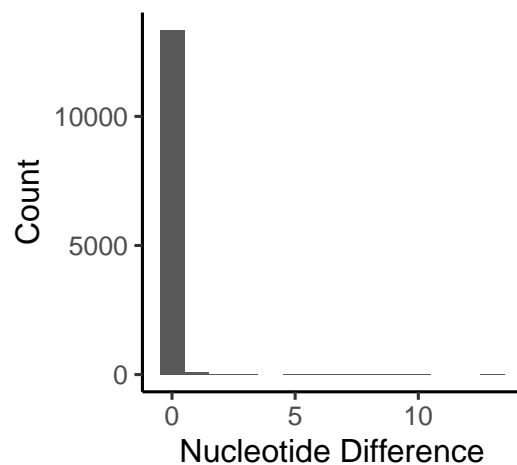
### TRBV9\*ap01

7315 sequences assigned  
7262 (99.3%) exact matches, in which:  
7191 unique CDR3  
13 unique J



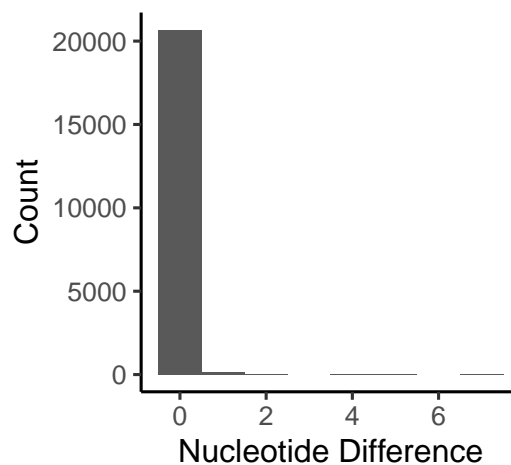
### TRBV19\*ap01

13459 sequences assigned  
13354 (99.2%) exact matches, in which:  
13302 unique CDR3  
13 unique J



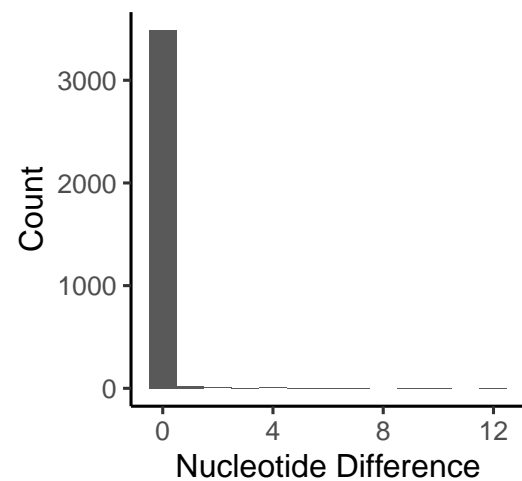
### TRBV28\*ap01

20815 sequences assigned  
20679 (99.3%) exact matches, in which:  
20531 unique CDR3  
13 unique J



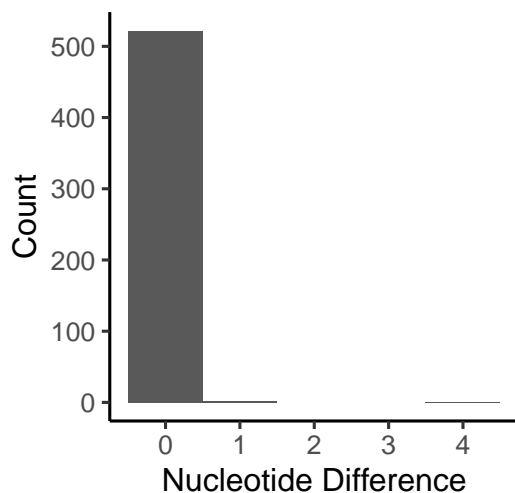
### TRBV21-1\*ap01

3547 sequences assigned  
3489 (98.4%) exact matches, in which:  
3472 unique CDR3  
14 unique J



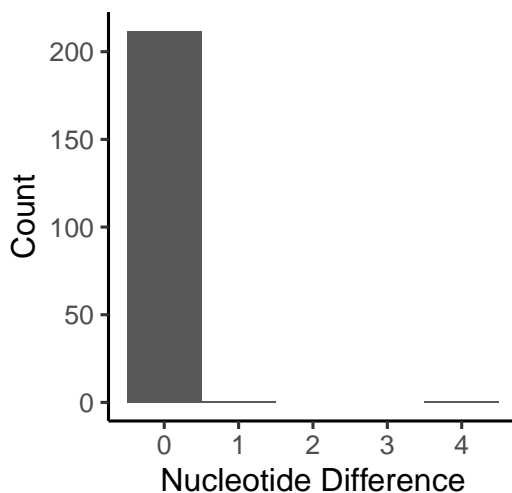
### TRBV11-1\*ap01

525 sequences assigned  
522 (99.4%) exact matches, in which:  
519 unique CDR3  
13 unique J



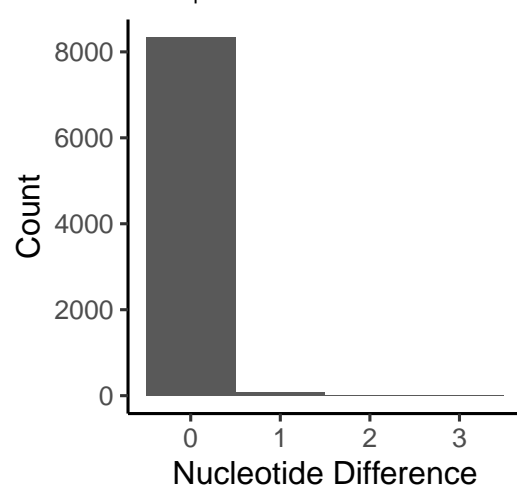
### TRBV12-1\*ap01

214 sequences assigned  
212 (99.1%) exact matches, in which:  
209 unique CDR3  
12 unique J



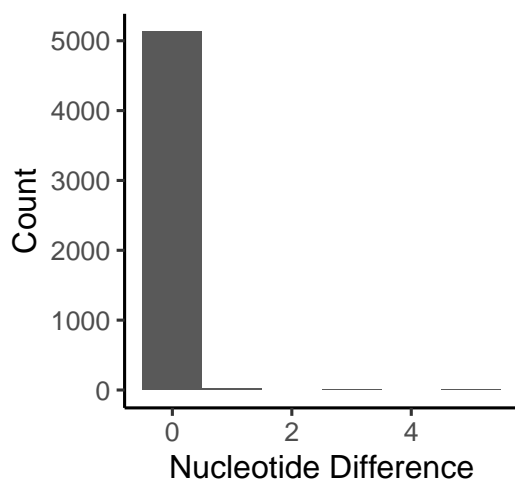
### TRBV12-34\*ap01

8414 sequences assigned  
8336 (99.1%) exact matches, in which:  
8247 unique CDR3  
13 unique J



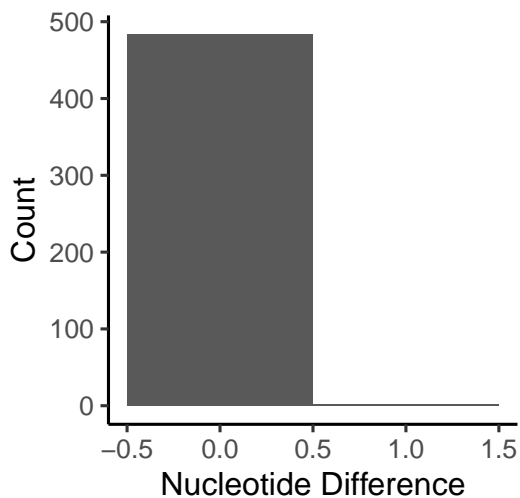
### TRBV11-2\*ap01

5150 sequences assigned  
5129 (99.6%) exact matches, in which:  
5097 unique CDR3  
13 unique J



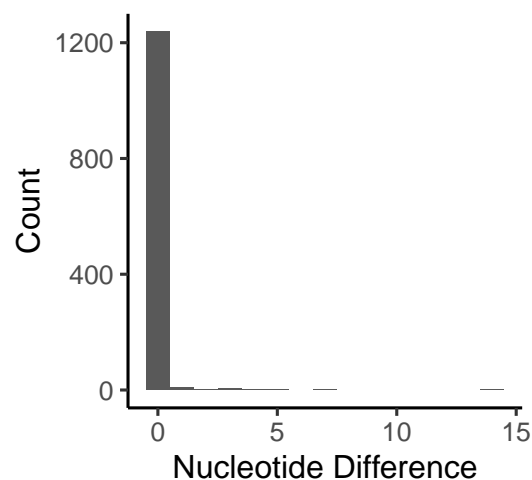
### TRBV12-2\*ap01

486 sequences assigned  
484 (99.6%) exact matches, in which:  
479 unique CDR3  
13 unique J



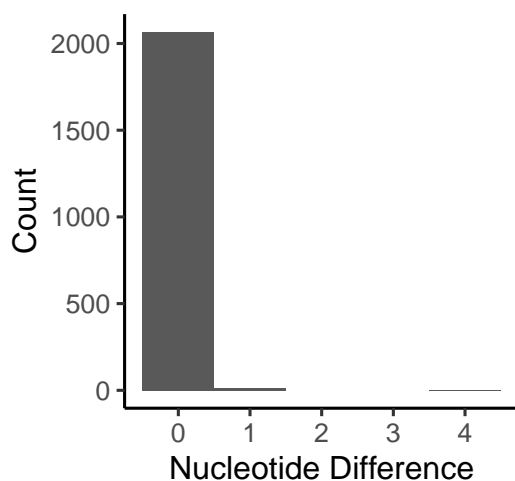
### TRBV23-1\*ap01

1255 sequences assigned  
1238 (98.6%) exact matches, in which:  
1228 unique CDR3  
13 unique J



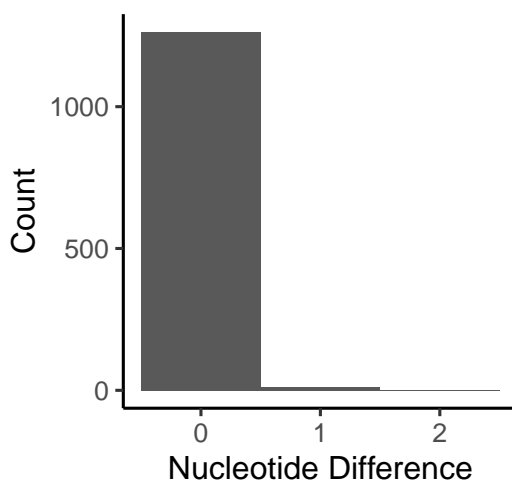
### TRBV11-3\*ap01

2081 sequences assigned  
2066 (99.3%) exact matches, in which:  
2055 unique CDR3  
13 unique J



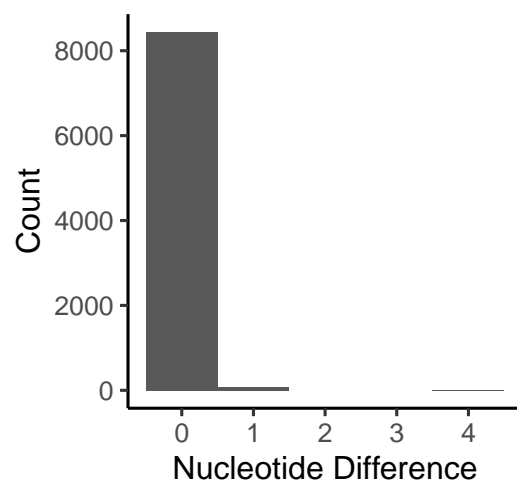
### TRBV12-5\*ap01

1276 sequences assigned  
1263 (99%) exact matches, in which:  
1251 unique CDR3  
13 unique J



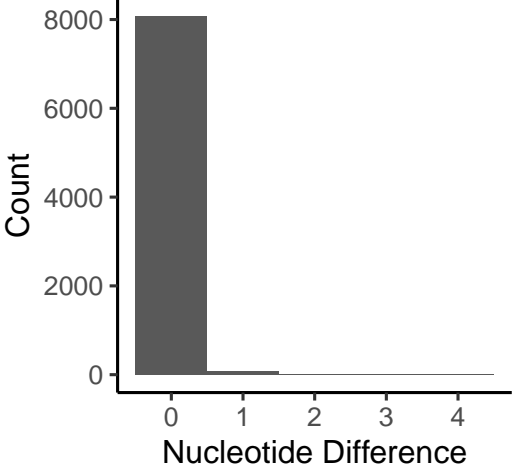
### TRBV3-12\*ap01

8513 sequences assigned  
8440 (99.1%) exact matches, in which:  
8302 unique CDR3  
13 unique J



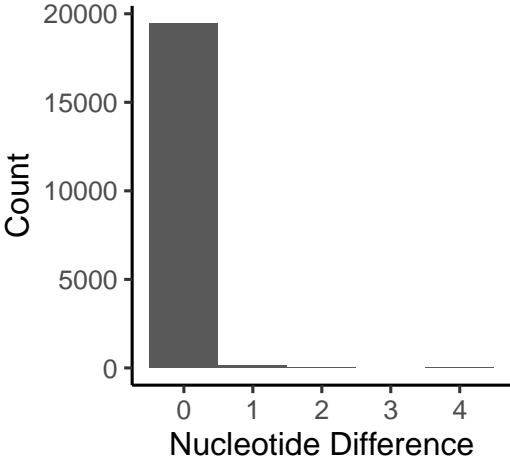
TRBV24-1\*ap01

8149 sequences assigned  
8070 (99%) exact matches, in which:  
7954 unique CDR3  
13 unique J



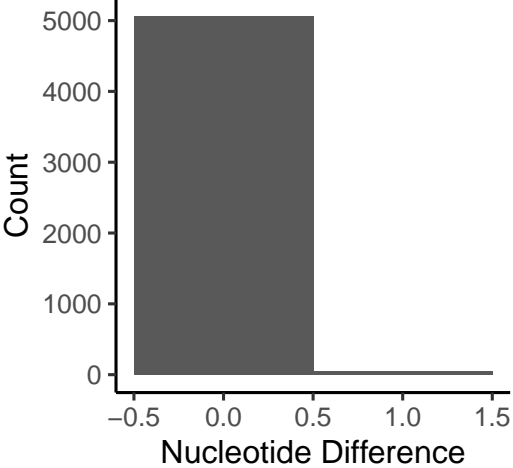
TRBV5-1\*ap01

19644 sequences assigned  
19470 (99.1%) exact matches, in which:  
19063 unique CDR3  
13 unique J



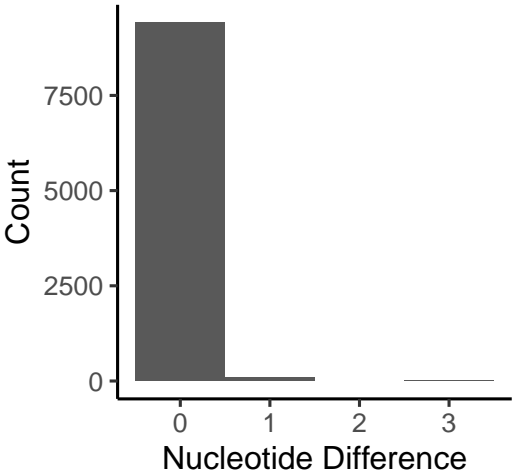
TRBV5-4\*ap01

5103 sequences assigned  
5059 (99.1%) exact matches, in which:  
4959 unique CDR3  
13 unique J



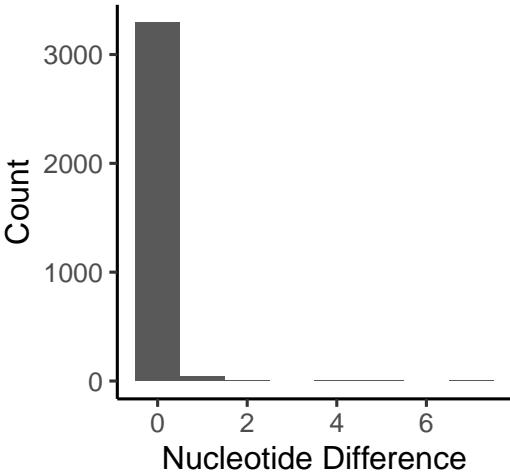
TRBV4-1\*ap01

9502 sequences assigned  
9409 (99%) exact matches, in which:  
9206 unique CDR3  
13 unique J



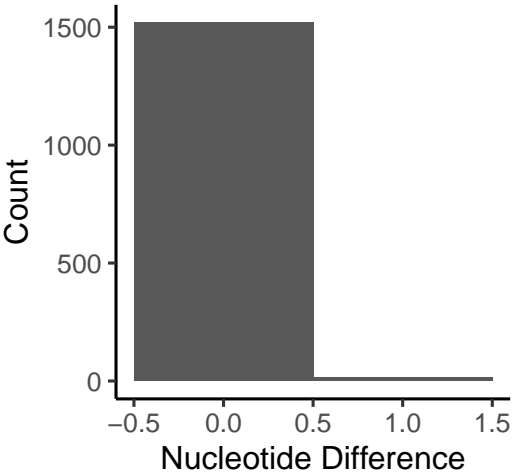
TRBV25-1\*ap01

3346 sequences assigned  
3292 (98.4%) exact matches, in which:  
3222 unique CDR3  
13 unique J



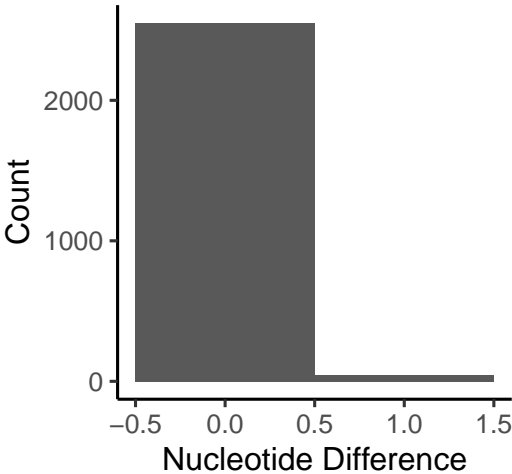
TRBV5-5\*ap01

1532 sequences assigned  
1519 (99.2%) exact matches, in which:  
1515 unique CDR3  
13 unique J



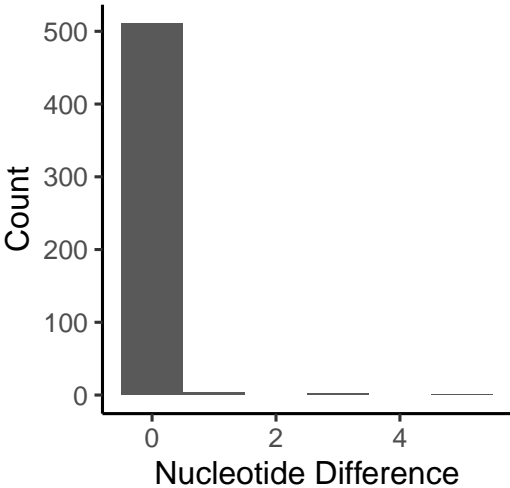
TRBV4-2\*ap01

2596 sequences assigned  
2550 (98.2%) exact matches, in which:  
2511 unique CDR3  
13 unique J



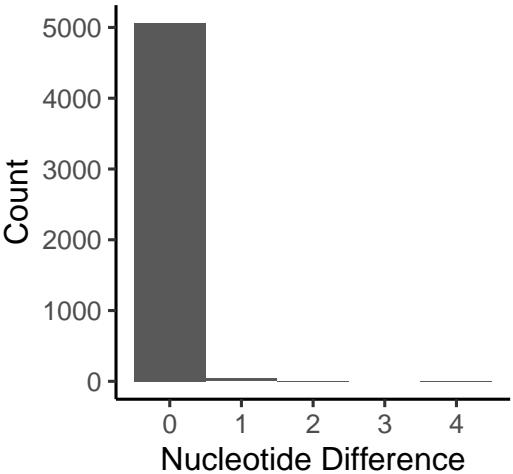
TRBV5-3\*ap01

518 sequences assigned  
511 (98.6%) exact matches, in which:  
506 unique CDR3  
13 unique J



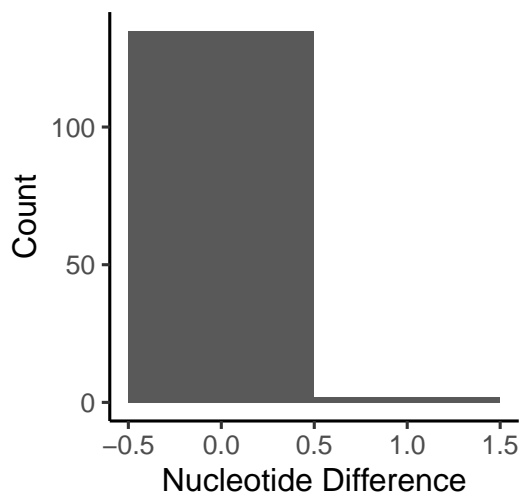
TRBV5-6\*ap01

5104 sequences assigned  
5062 (99.2%) exact matches, in which:  
4919 unique CDR3  
13 unique J



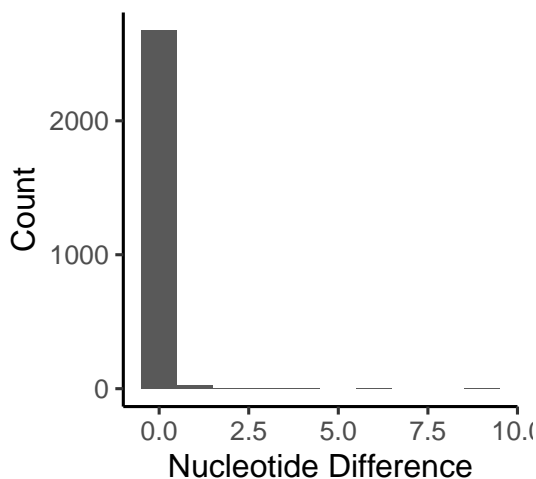
### TRBV5-7\*ap01

137 sequences assigned  
135 (98.5%) exact matches, in which:  
133 unique CDR3  
13 unique J



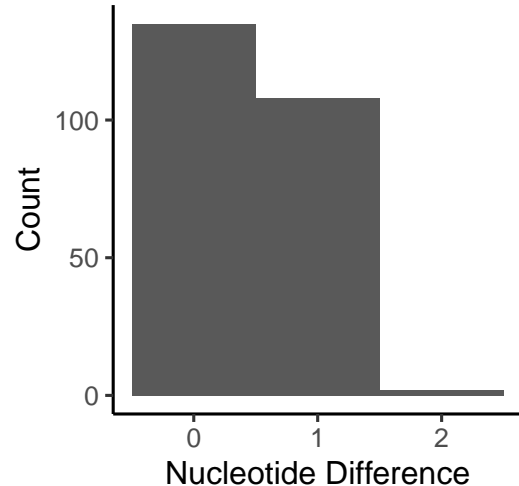
### TRBV6-4\*ap01

2710 sequences assigned  
2675 (98.7%) exact matches, in which:  
2660 unique CDR3  
13 unique J



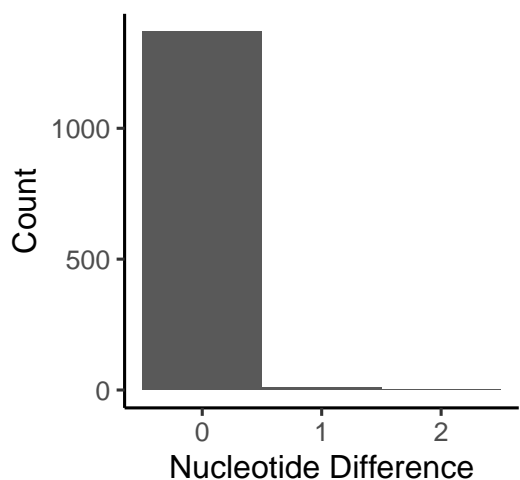
### TRBV6-9\*ap01

245 sequences assigned  
135 (55.1%) exact matches, in which:  
133 unique CDR3  
12 unique J



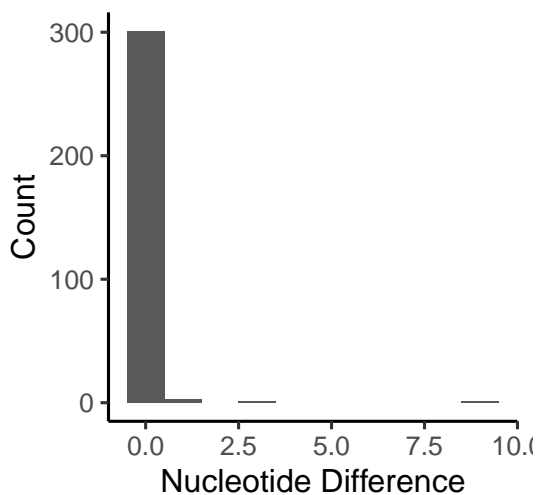
### TRBV5-8\*ap01

1378 sequences assigned  
1369 (99.3%) exact matches, in which:  
1354 unique CDR3  
13 unique J



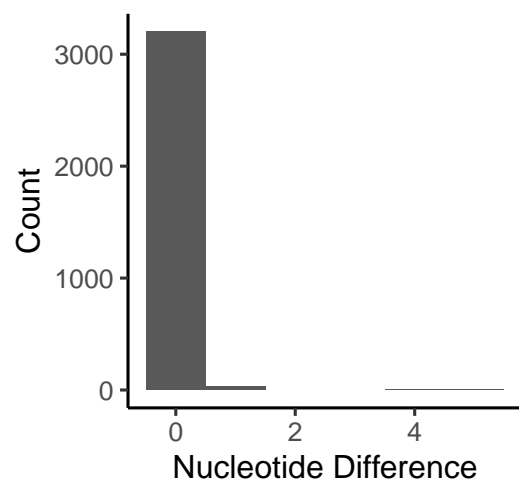
### TRBV6-7\*ap01

306 sequences assigned  
301 (98.4%) exact matches, in which:  
299 unique CDR3  
13 unique J



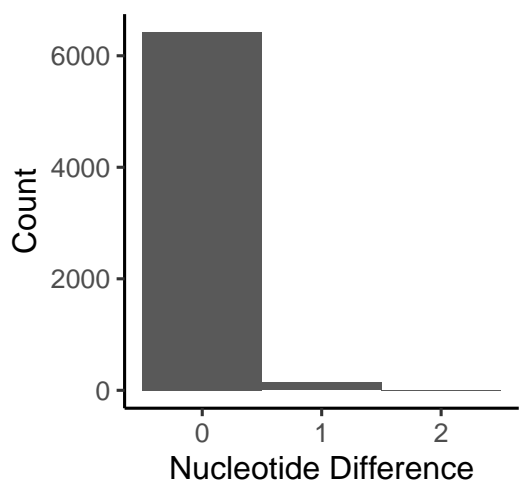
### TRBV6-23\*ap01

3230 sequences assigned  
3201 (99.1%) exact matches, in which:  
3138 unique CDR3  
13 unique J



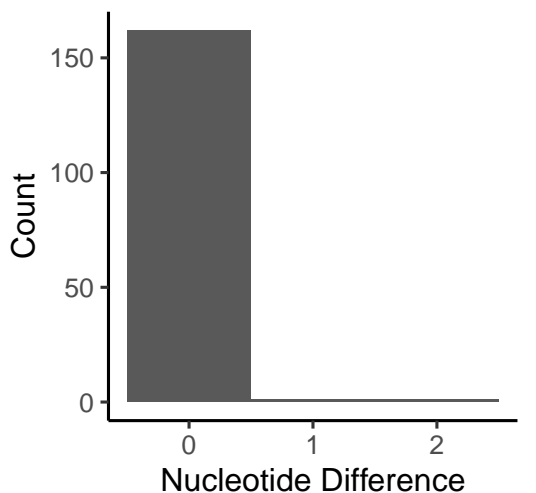
### TRBV6-1\*ap01

6566 sequences assigned  
6425 (97.9%) exact matches, in which:  
6283 unique CDR3  
14 unique J



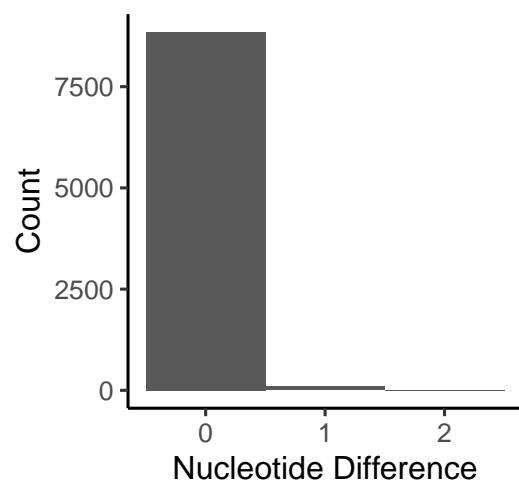
### TRBV6-8\*ap01

164 sequences assigned  
162 (98.8%) exact matches, in which:  
158 unique CDR3  
13 unique J



### TRBV6-56\*ap01

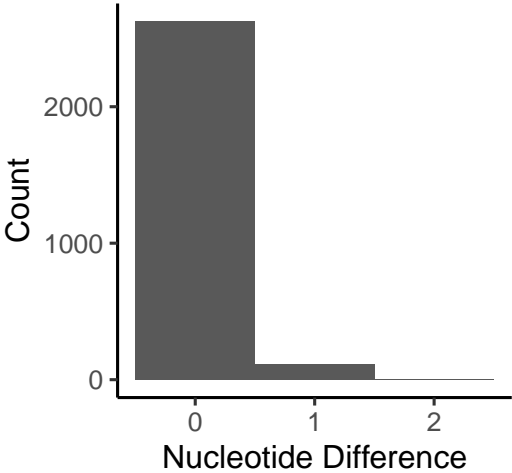
8946 sequences assigned  
8850 (98.9%) exact matches, in which:  
8640 unique CDR3  
13 unique J





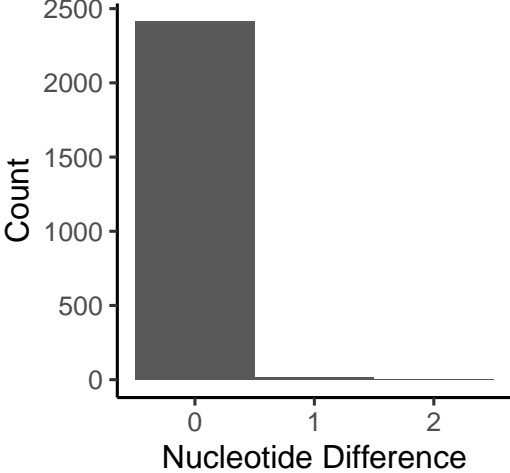
TRBV6-56\*ap02

2736 sequences assigned  
2625 (95.9%) exact matches, in which:  
2575 unique CDR3  
13 unique J



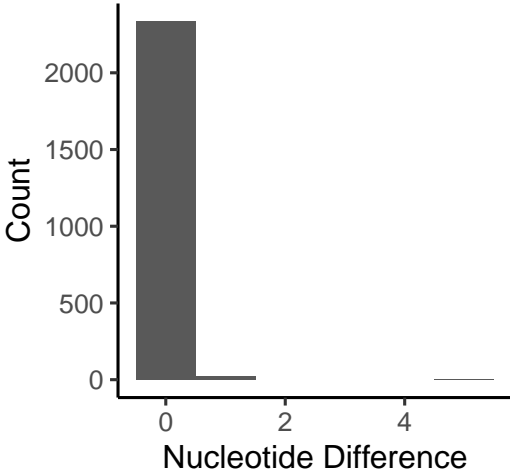
TRBV7-3\*ap01

2434 sequences assigned  
2414 (99.2%) exact matches, in which:  
2396 unique CDR3  
13 unique J



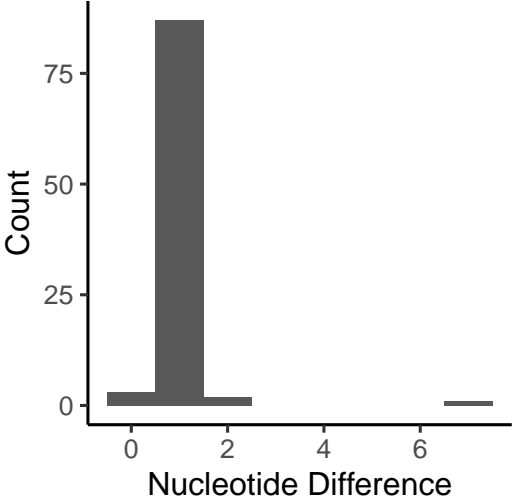
TRBV7-6\*ap01

2356 sequences assigned  
2335 (99.1%) exact matches, in which:  
2308 unique CDR3  
13 unique J



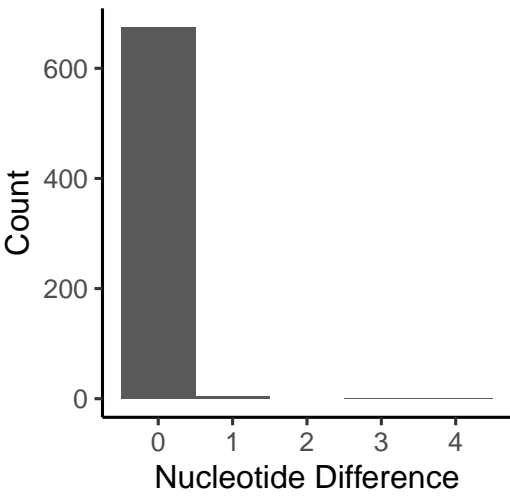
TRBV7-1\*ap01\_T296C

93 sequences assigned  
3 (3.2%) exact matches, in which:  
3 unique CDR3  
3 unique J



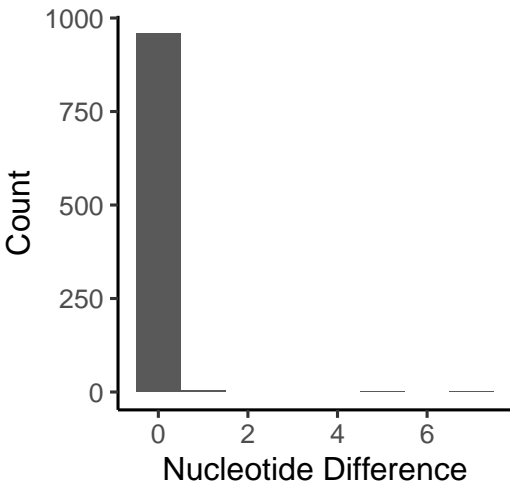
TRBV7-3\*ap03

682 sequences assigned  
675 (99%) exact matches, in which:  
666 unique CDR3  
13 unique J



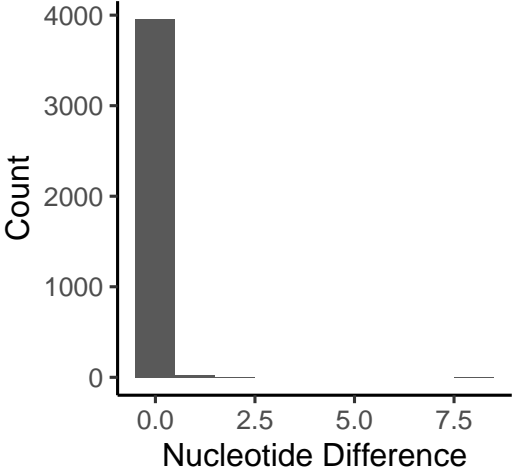
TRBV7-7\*ap01\_C315T

965 sequences assigned  
958 (99.3%) exact matches, in which:  
942 unique CDR3  
13 unique J



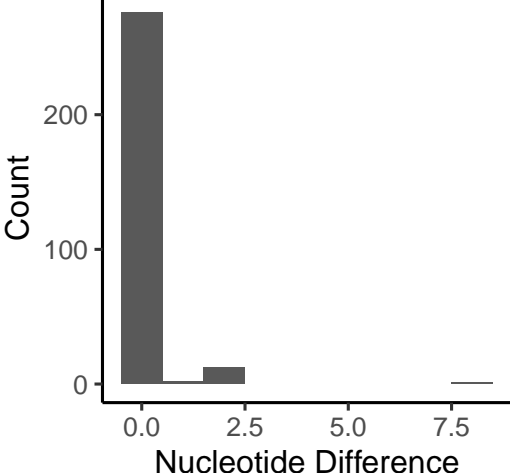
TRBV7-2\*ap01

3986 sequences assigned  
3957 (99.3%) exact matches, in which:  
3919 unique CDR3  
13 unique J



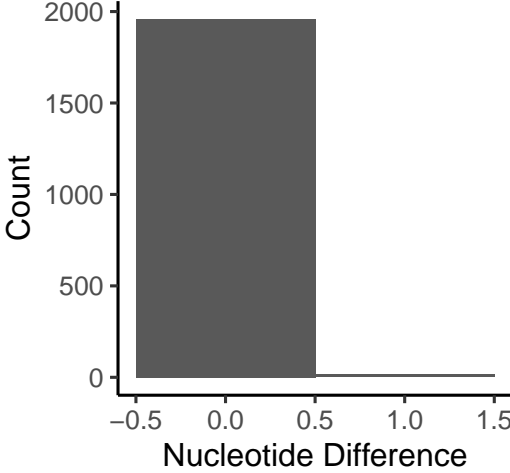
TRBV7-4\*ap01

291 sequences assigned  
276 (94.8%) exact matches, in which:  
275 unique CDR3  
13 unique J



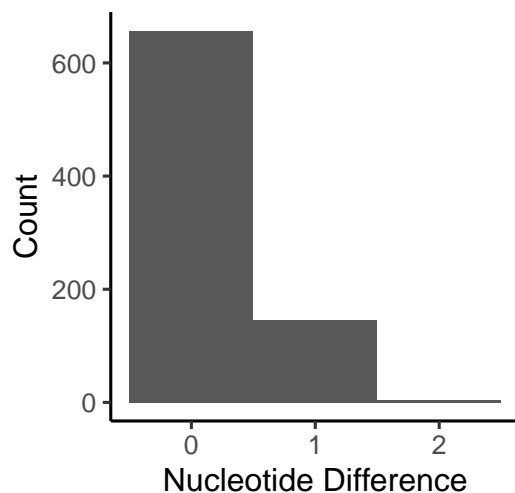
TRBV7-8\*ap01

1974 sequences assigned  
1959 (99.2%) exact matches, in which:  
1931 unique CDR3  
13 unique J



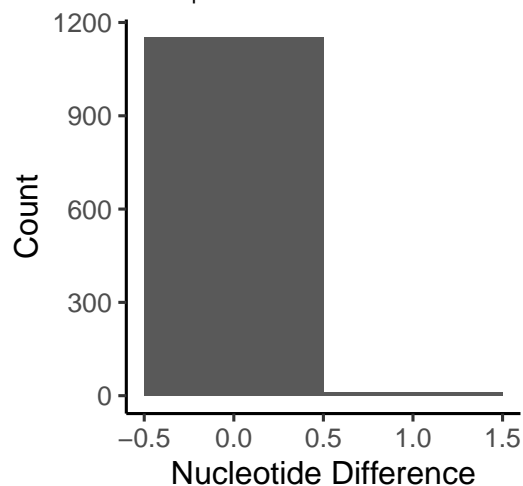
### TRBV7-8\*ap03

807 sequences assigned  
657 (81.4%) exact matches, in which:  
650 unique CDR3  
13 unique J



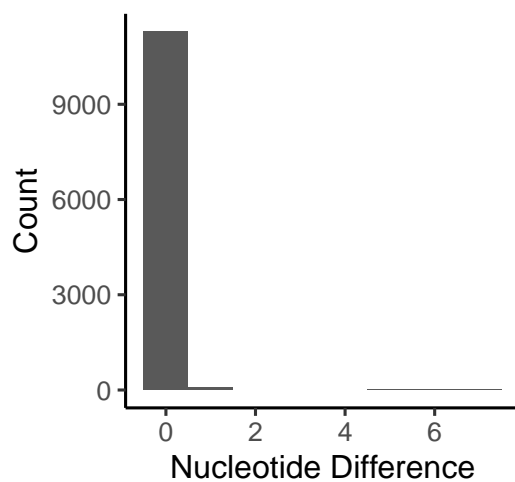
### TRBV29-1\*ap02

1164 sequences assigned  
1152 (99%) exact matches, in which:  
1124 unique CDR3  
13 unique J



### TRBV7-9\*ap01

11359 sequences assigned  
11286 (99.4%) exact matches, in which:  
11178 unique CDR3  
13 unique J



### TRBV29-1\*ap01

6454 sequences assigned  
6371 (98.7%) exact matches, in which:  
6183 unique CDR3  
13 unique J

