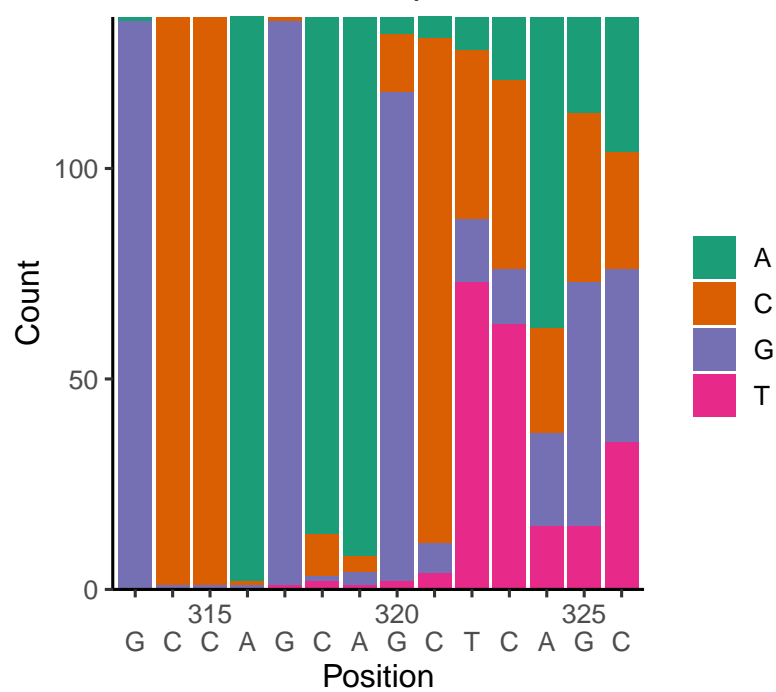
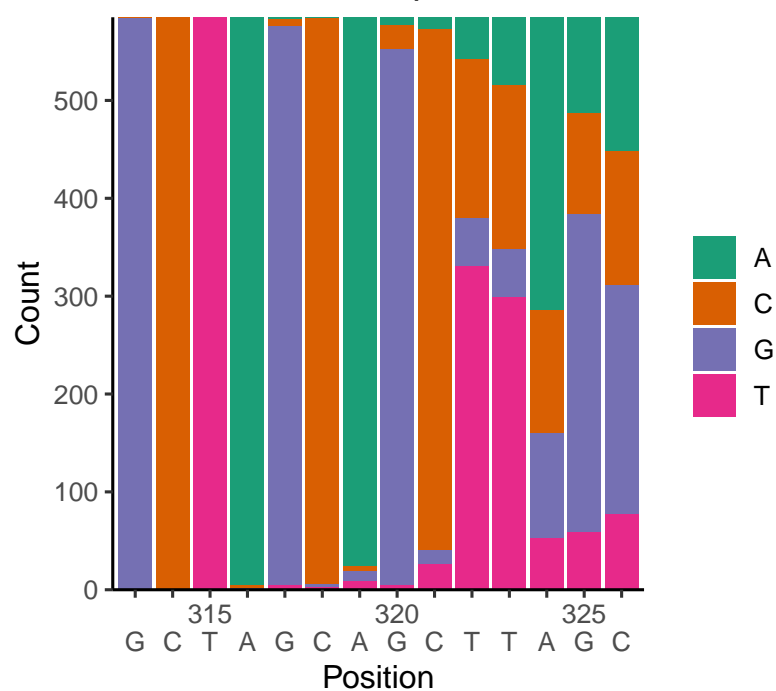


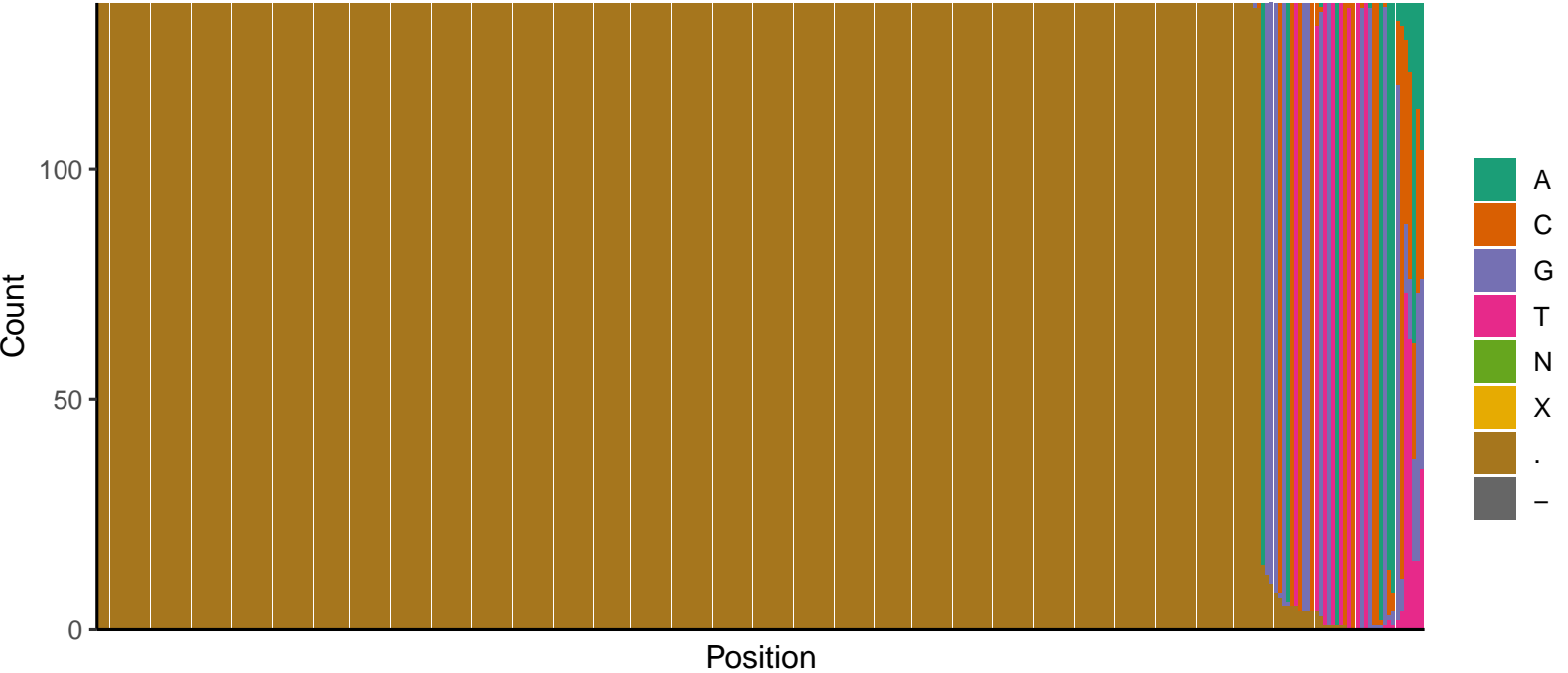
Gene TRBV7-1\*ap01\_G291C\_T296C



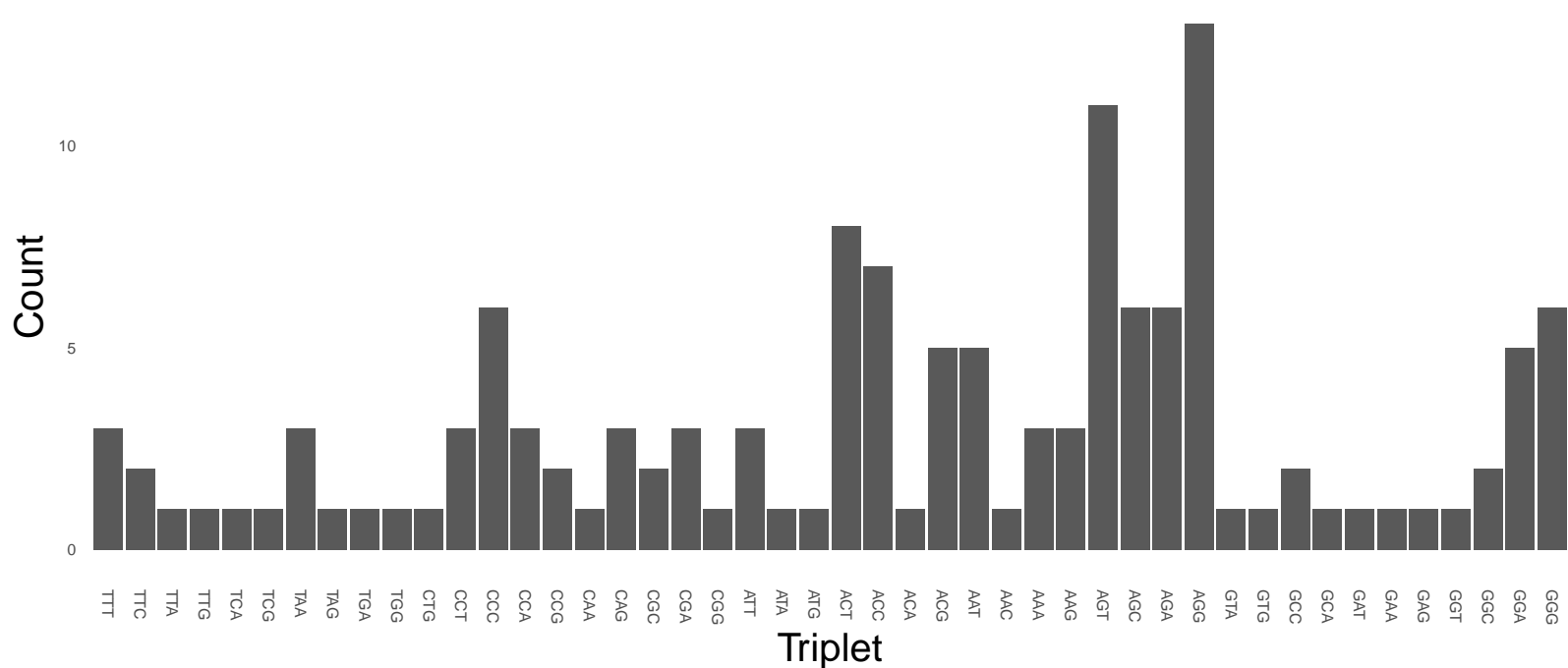
Gene TRBV7-7\*ap01\_C315T



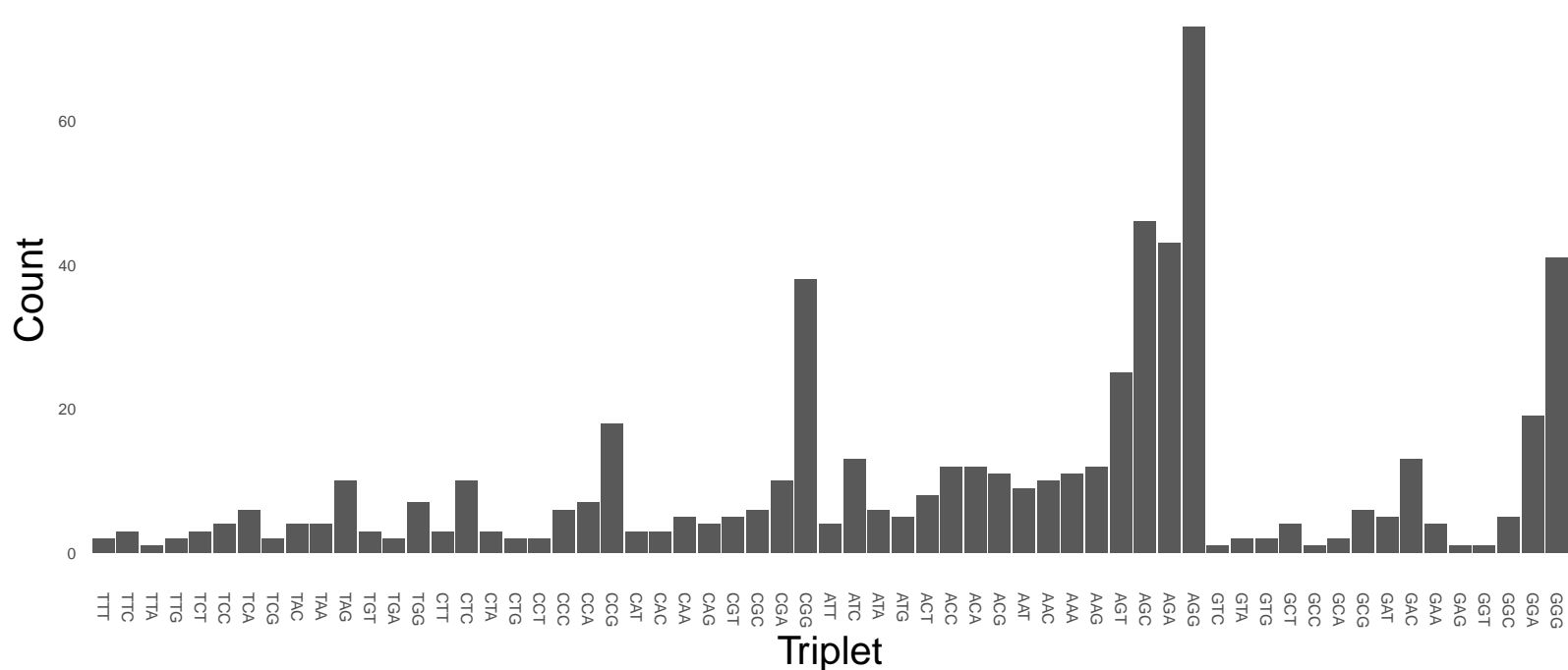
Gene TRBV7-1\*ap01\_G291C\_T296C



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

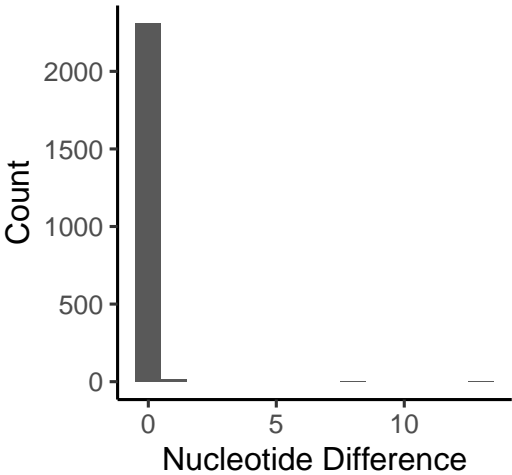


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



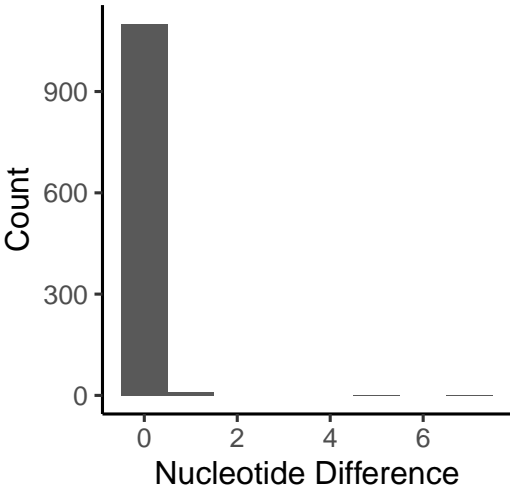
TRBV10-1\*ap01

2330 sequences assigned  
2309 (99.1%) exact matches, in which:  
2273 unique CDR3  
13 unique J



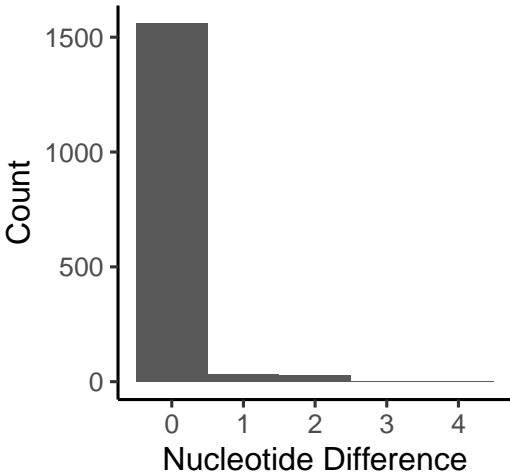
TRBV10-2\*ap01

1114 sequences assigned  
1101 (98.8%) exact matches, in which:  
1092 unique CDR3  
13 unique J



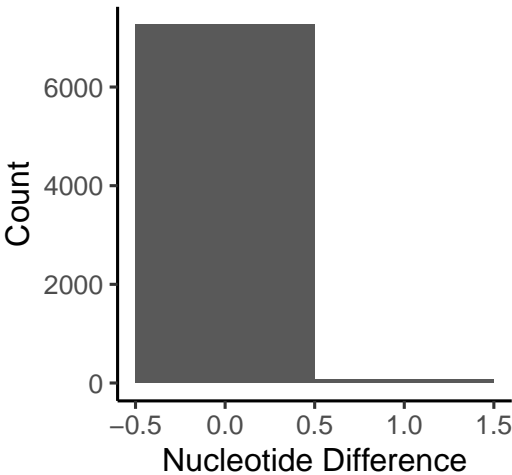
TRBV13\*ap01

1622 sequences assigned  
1560 (96.2%) exact matches, in which:  
1533 unique CDR3  
14 unique J



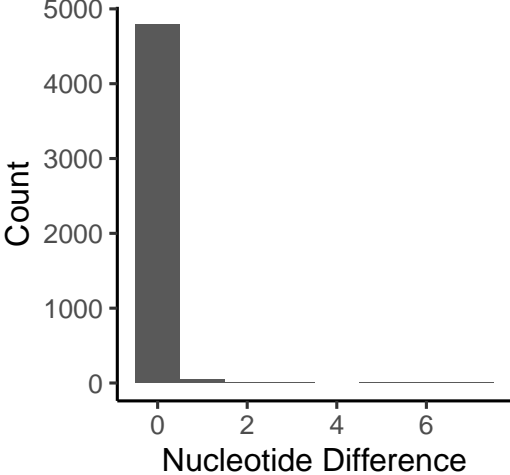
TRBV20-1\*ap01

7326 sequences assigned  
7263 (99.1%) exact matches, in which:  
7204 unique CDR3  
13 unique J



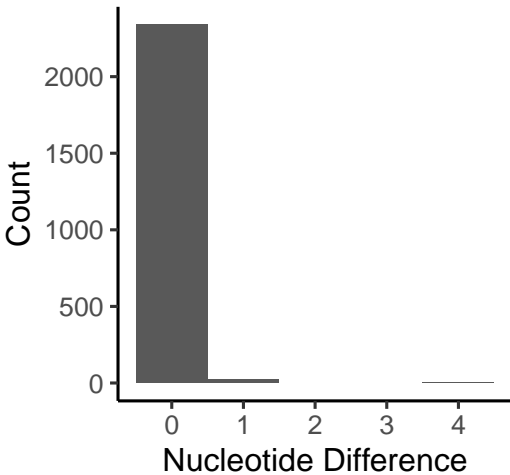
TRBV10-3\*ap01

4844 sequences assigned  
4788 (98.8%) exact matches, in which:  
4728 unique CDR3  
13 unique J



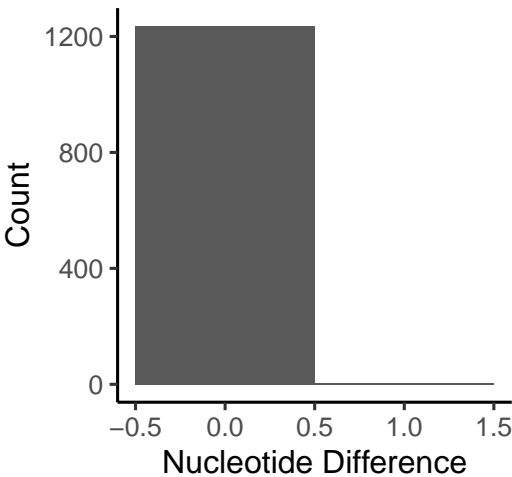
TRBV14\*ap01

2361 sequences assigned  
2339 (99.1%) exact matches, in which:  
2318 unique CDR3  
13 unique J



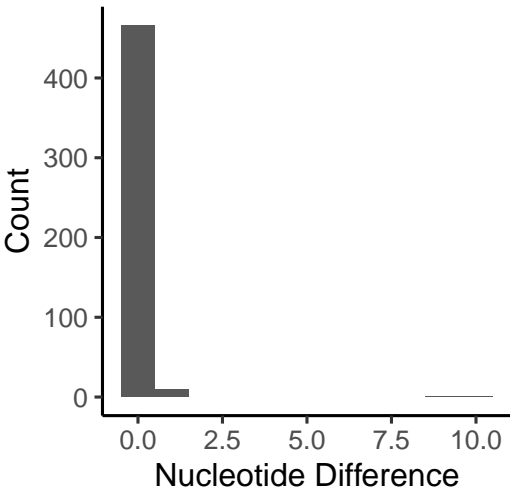
TRBV20-1\*ap02

1241 sequences assigned  
1236 (99.6%) exact matches, in which:  
1215 unique CDR3  
13 unique J



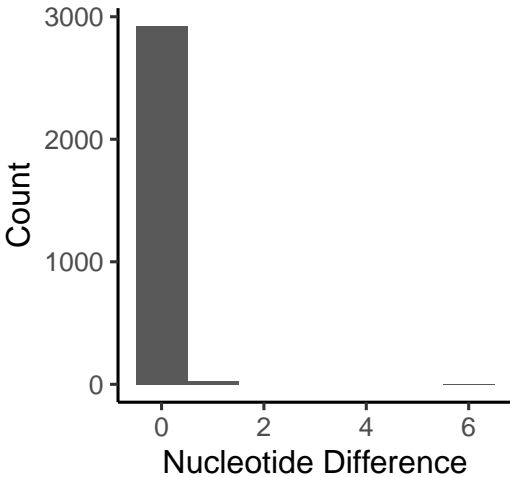
TRBV1\*ap01

477 sequences assigned  
466 (97.7%) exact matches, in which:  
461 unique CDR3  
13 unique J



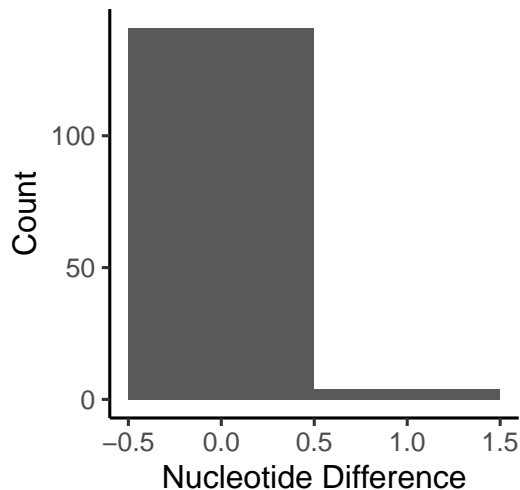
TRBV15\*ap02

2953 sequences assigned  
2924 (99%) exact matches, in which:  
2883 unique CDR3  
13 unique J



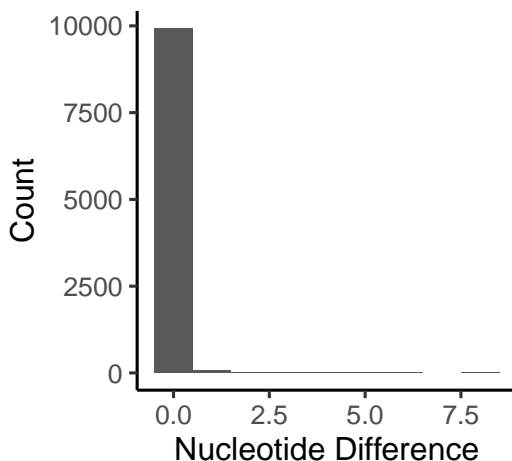
### TRBV16\*ap01

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



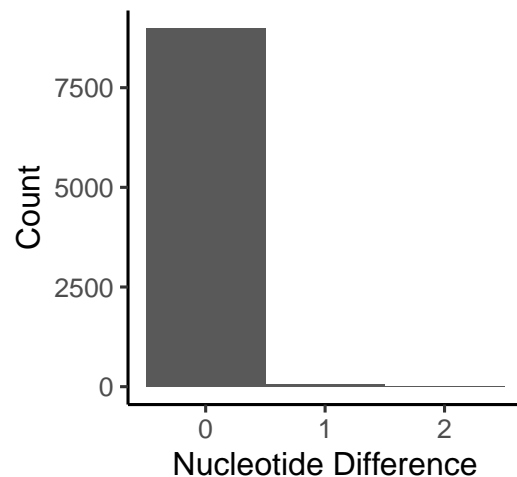
### TRBV19\*ap01

10017 sequences assigned  
9934 (99.2%) exact matches, in which:  
9884 unique CDR3  
13 unique J



### TRBV28\*ap01

9057 sequences assigned  
8987 (99.2%) exact matches, in which:  
8912 unique CDR3  
13 unique J



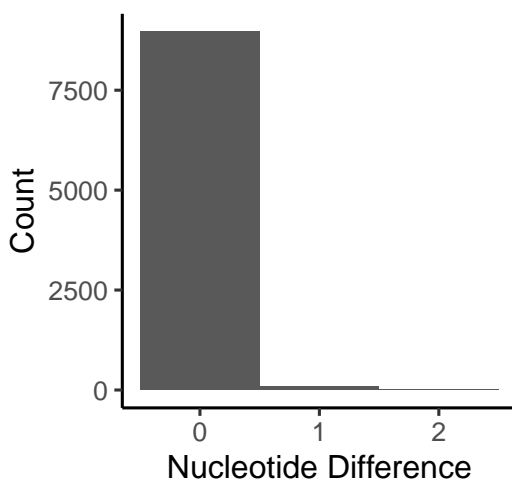
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



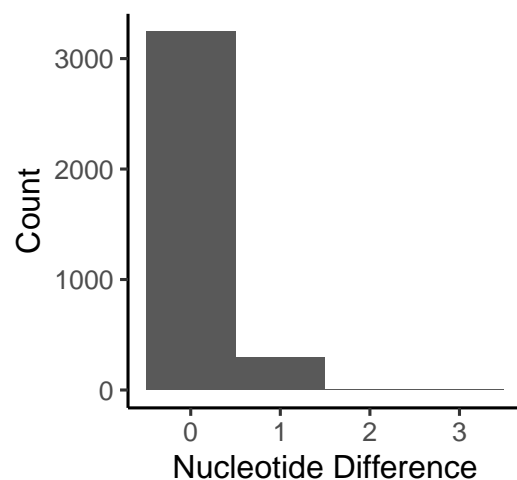
### TRBV2\*ap01

9065 sequences assigned  
8963 (98.9%) exact matches, in which:  
8847 unique CDR3  
13 unique J



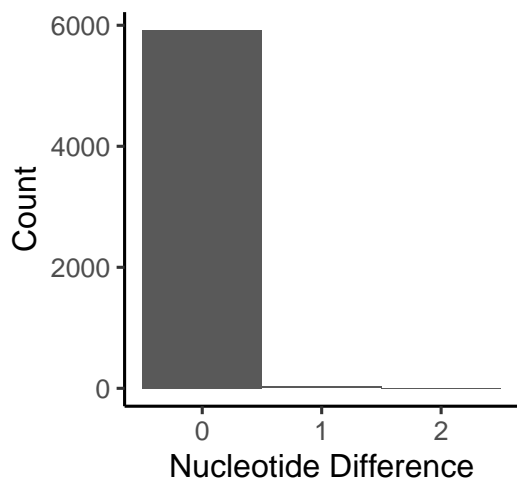
### TRBV30\*ap01

3540 sequences assigned  
3243 (91.6%) exact matches, in which:  
3180 unique CDR3  
13 unique J



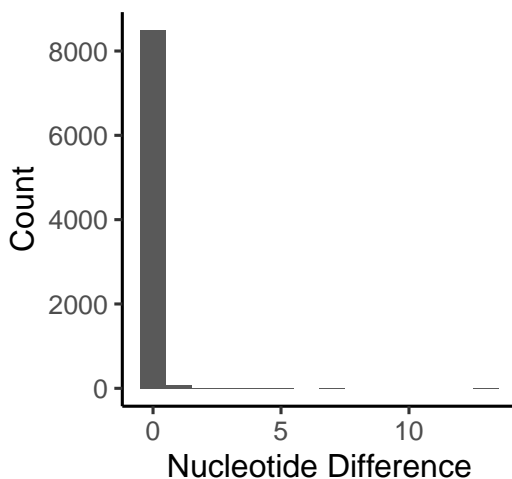
### TRBV18\*ap01

5951 sequences assigned  
5921 (99.5%) exact matches, in which:  
5883 unique CDR3  
13 unique J



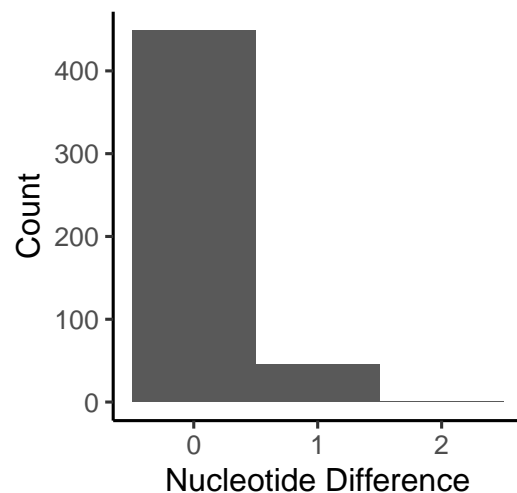
### TRBV27\*ap01

8583 sequences assigned  
8497 (99%) exact matches, in which:  
8395 unique CDR3  
13 unique J



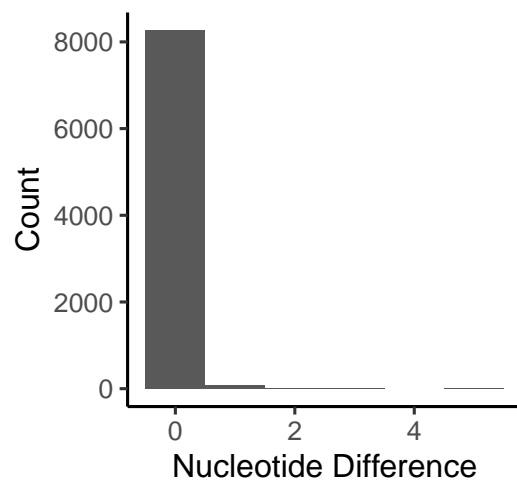
### TRBV30\*ap03

495 sequences assigned  
449 (90.7%) exact matches, in which:  
437 unique CDR3  
13 unique J



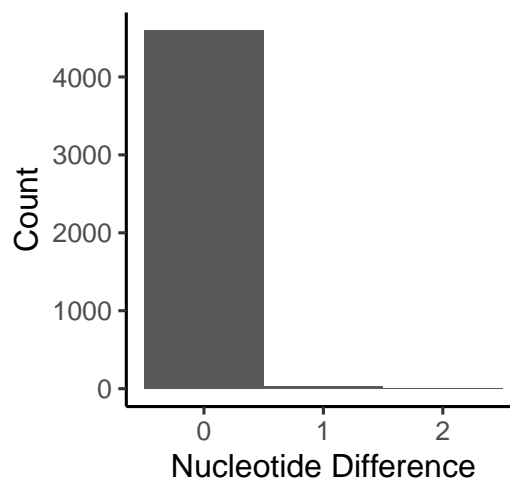
### TRBV9\*ap01

8351 sequences assigned  
8265 (99%) exact matches, in which:  
8208 unique CDR3  
13 unique J



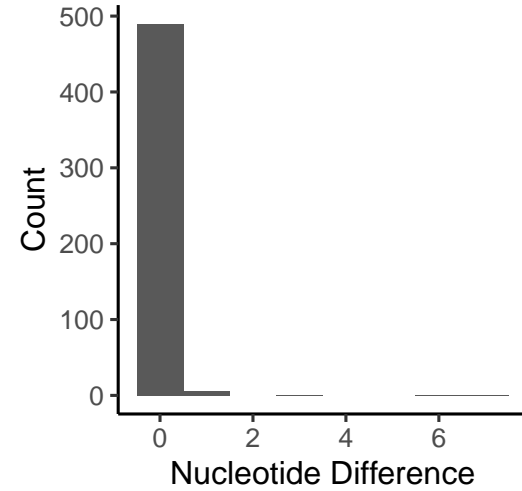
### TRBV11-2\*ap01

4635 sequences assigned  
4597 (99.2%) exact matches, in which:  
4560 unique CDR3  
13 unique J



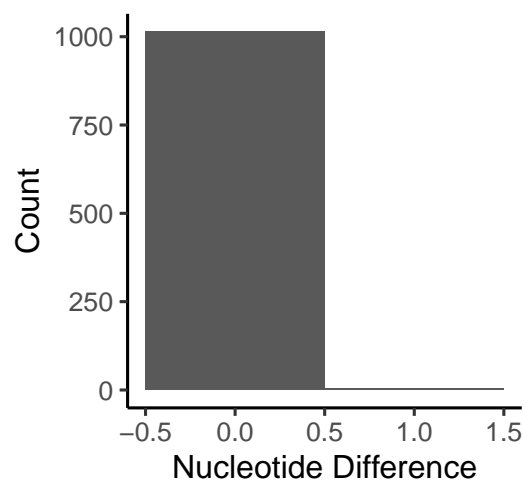
### TRBV12-2\*ap01

499 sequences assigned  
490 (98.2%) exact matches, in which:  
485 unique CDR3  
13 unique J



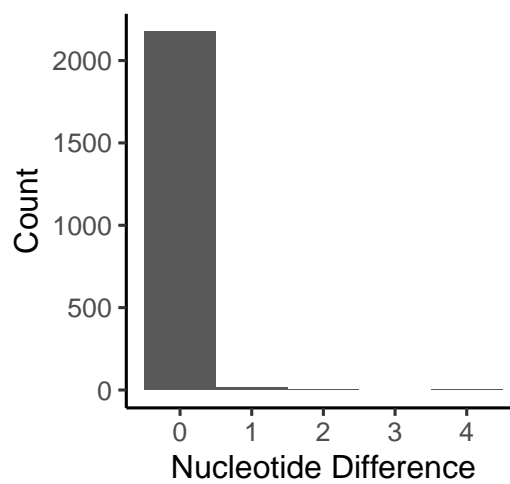
### TRBV11-1\*ap01

1017 sequences assigned  
1014 (99.7%) exact matches, in which:  
1009 unique CDR3  
13 unique J



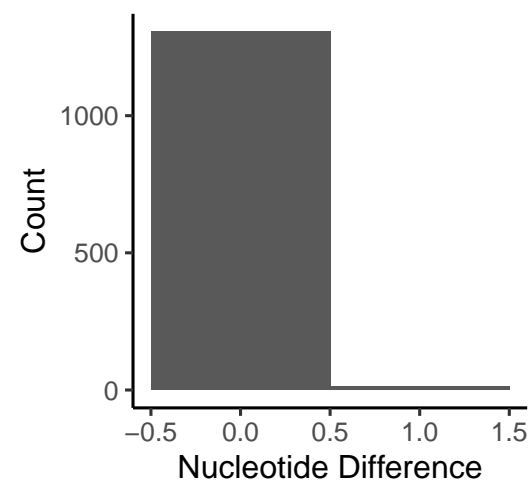
### TRBV11-3\*ap01

2194 sequences assigned  
2175 (99.1%) exact matches, in which:  
2154 unique CDR3  
13 unique J



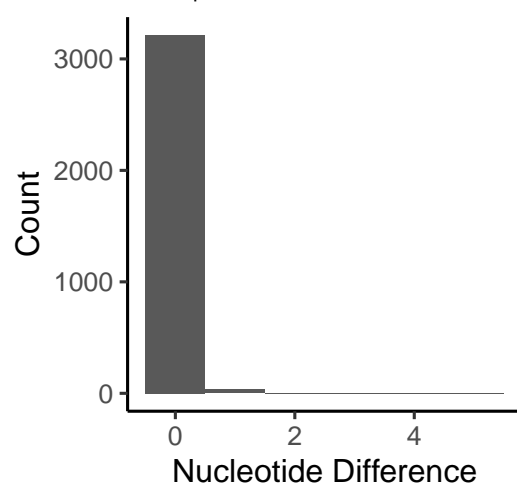
### TRBV12-5\*ap01

1318 sequences assigned  
1306 (99.1%) exact matches, in which:  
1291 unique CDR3  
13 unique J



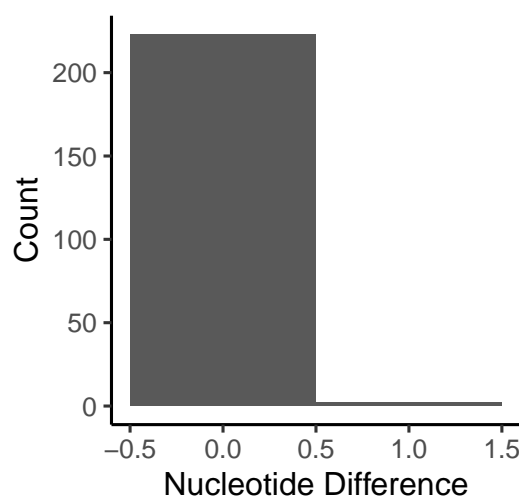
### TRBV21-1\*ap01

3261 sequences assigned  
3214 (98.6%) exact matches, in which:  
3190 unique CDR3  
14 unique J



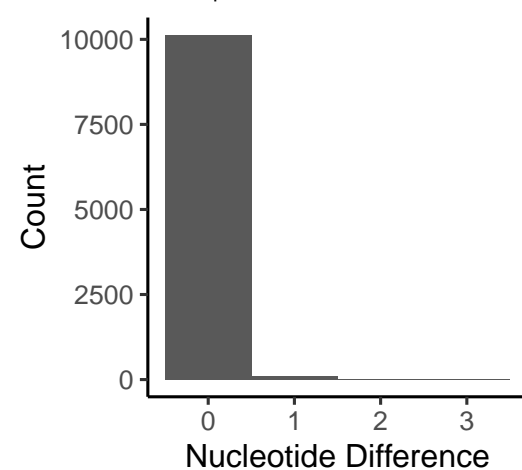
### TRBV12-1\*ap01

225 sequences assigned  
223 (99.1%) exact matches, in which:  
220 unique CDR3  
13 unique J



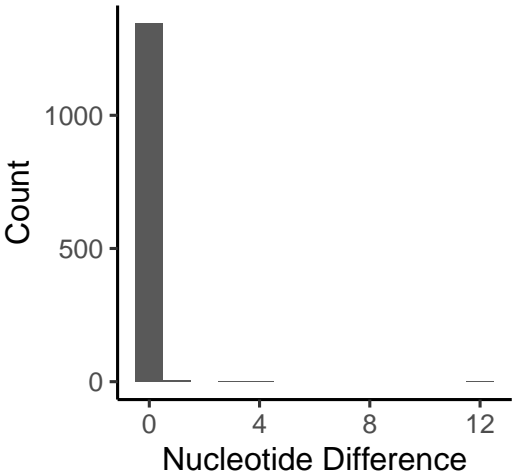
### TRBV12-34\*ap01

10243 sequences assigned  
10134 (98.9%) exact matches, in which:  
10003 unique CDR3  
13 unique J



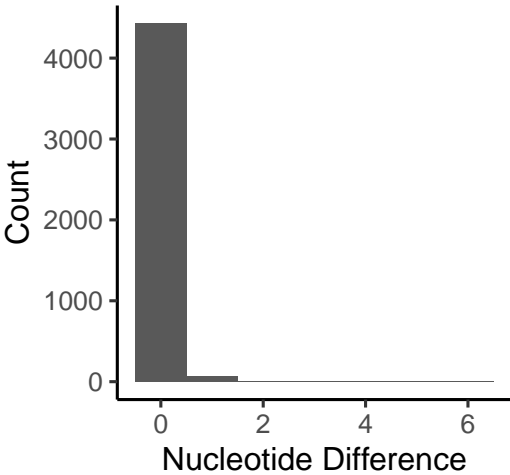
TRBV23-1\*ap01

1355 sequences assigned  
1345 (99.3%) exact matches, in which:  
1333 unique CDR3  
13 unique J



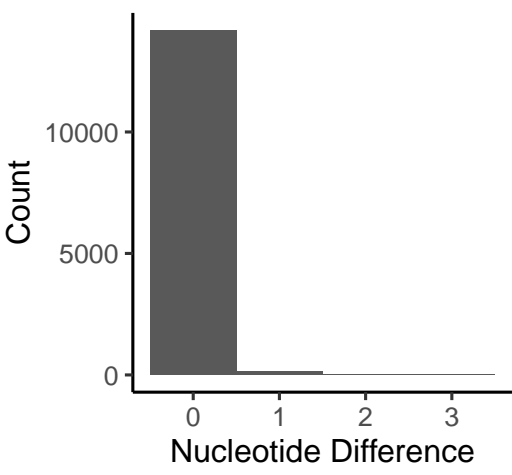
TRBV24-1\*ap01

4503 sequences assigned  
4429 (98.4%) exact matches, in which:  
4354 unique CDR3  
13 unique J



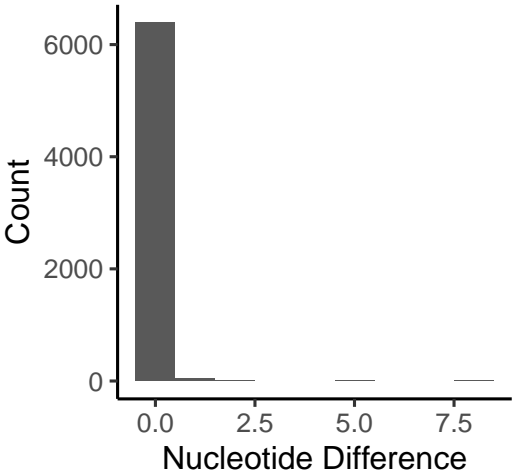
TRBV5-1\*ap01

14351 sequences assigned  
14191 (98.9%) exact matches, in which:  
13995 unique CDR3  
13 unique J



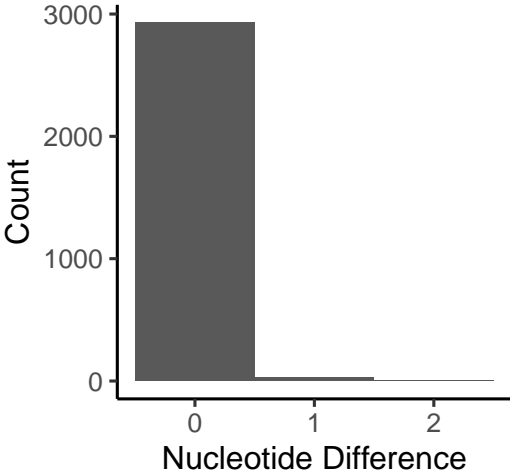
TRBV3-12\*ap01

6432 sequences assigned  
6390 (99.3%) exact matches, in which:  
6349 unique CDR3  
13 unique J



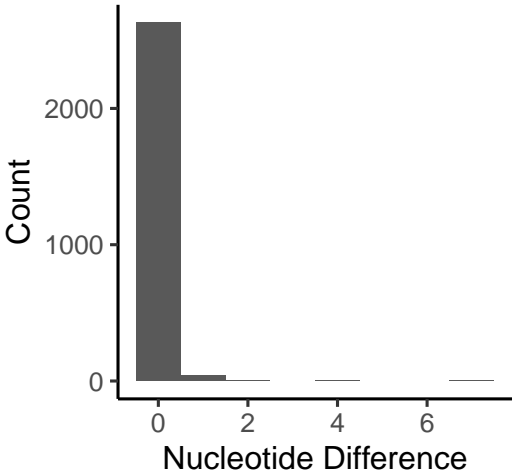
TRBV4-2\*ap01

2961 sequences assigned  
2929 (98.9%) exact matches, in which:  
2891 unique CDR3  
13 unique J



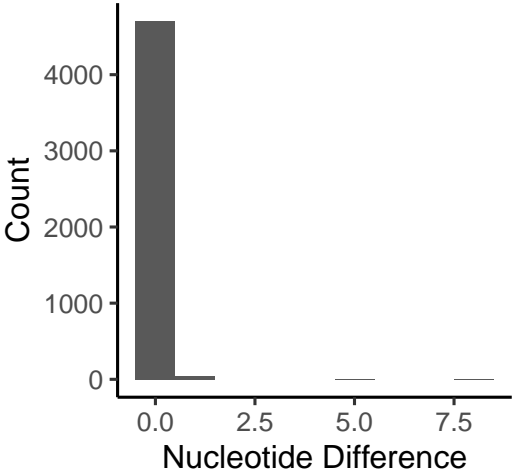
TRBV25-1\*ap01

2677 sequences assigned  
2629 (98.2%) exact matches, in which:  
2577 unique CDR3  
13 unique J



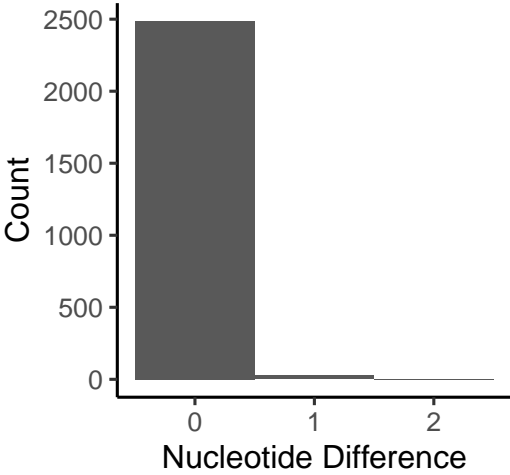
TRBV4-1\*ap01

4748 sequences assigned  
4704 (99.1%) exact matches, in which:  
4634 unique CDR3  
13 unique J



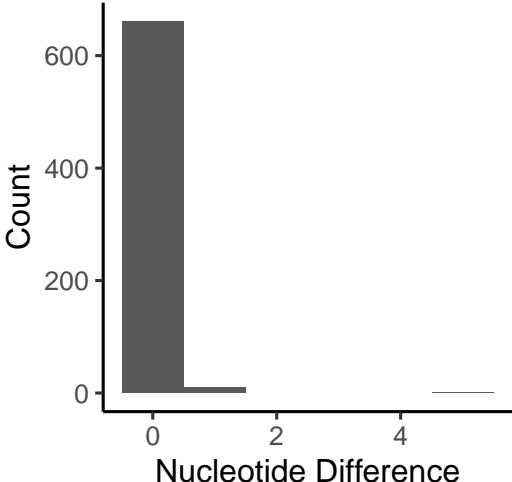
TRBV4-3\*ap01

2514 sequences assigned  
2487 (98.9%) exact matches, in which:  
2442 unique CDR3  
13 unique J



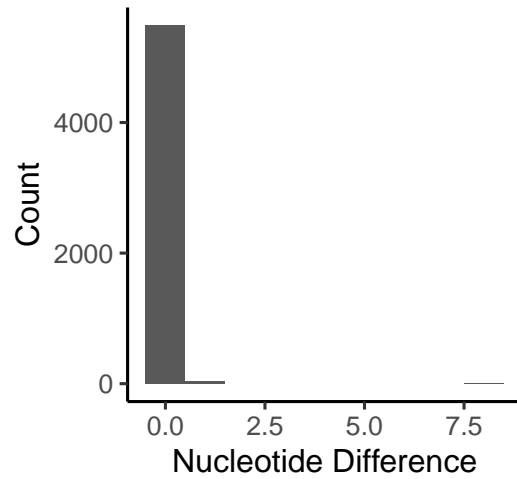
TRBV5-3\*ap01

672 sequences assigned  
661 (98.4%) exact matches, in which:  
652 unique CDR3  
13 unique J



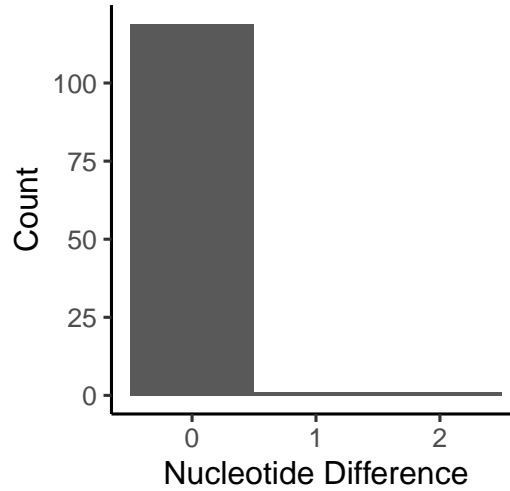
### TRBV5-4\*ap01

5531 sequences assigned  
5487 (99.2%) exact matches, in which:  
5421 unique CDR3  
13 unique J



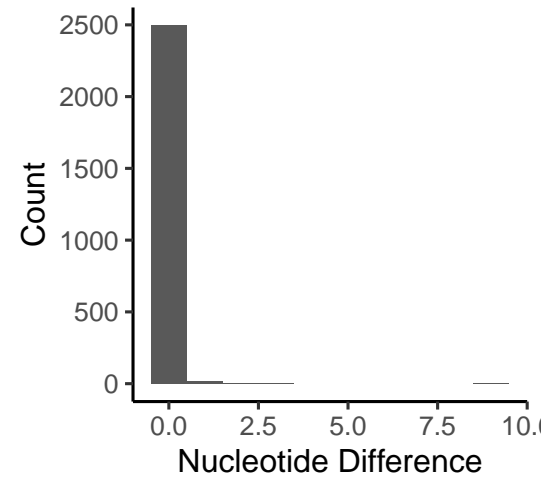
### TRBV5-7\*ap01

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



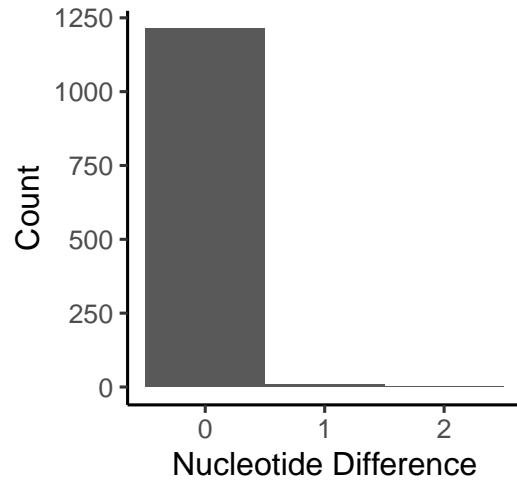
### TRBV6-4\*ap01

2520 sequences assigned  
2496 (99%) exact matches, in which:  
2470 unique CDR3  
13 unique J



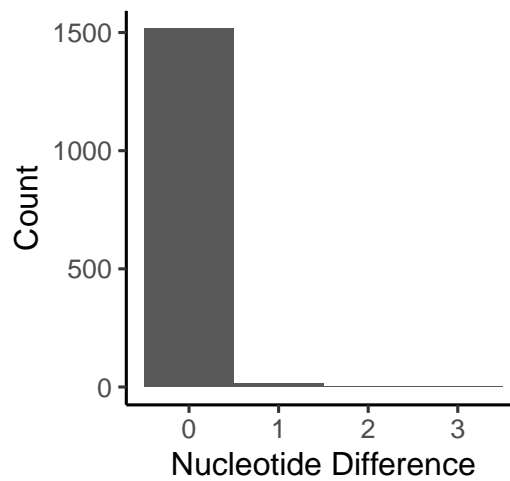
### TRBV5-5\*ap01

1224 sequences assigned  
1213 (99.1%) exact matches, in which:  
1205 unique CDR3  
13 unique J



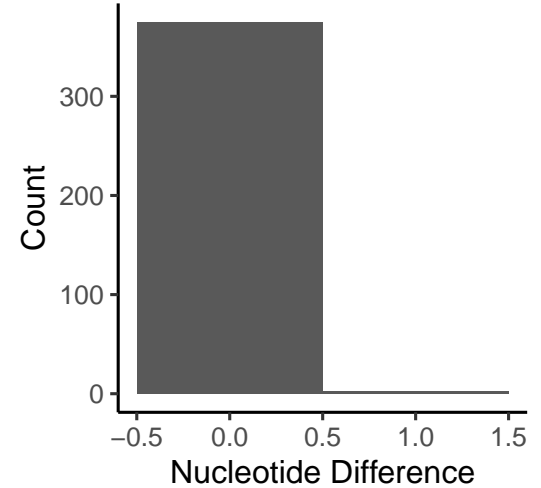
### TRBV5-8\*ap01

1536 sequences assigned  
1516 (98.7%) exact matches, in which:  
1507 unique CDR3  
13 unique J



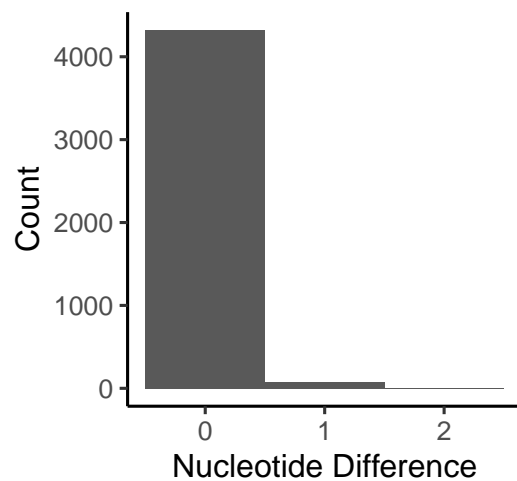
### TRBV6-7\*ap01

378 sequences assigned  
375 (99.2%) exact matches, in which:  
368 unique CDR3  
13 unique J



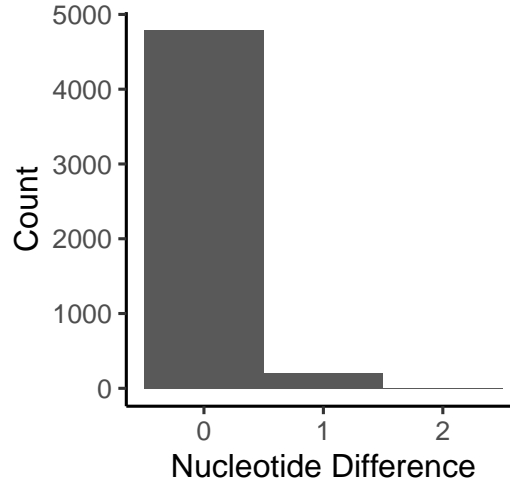
### TRBV5-6\*ap01

4400 sequences assigned  
4322 (98.2%) exact matches, in which:  
4230 unique CDR3  
13 unique J



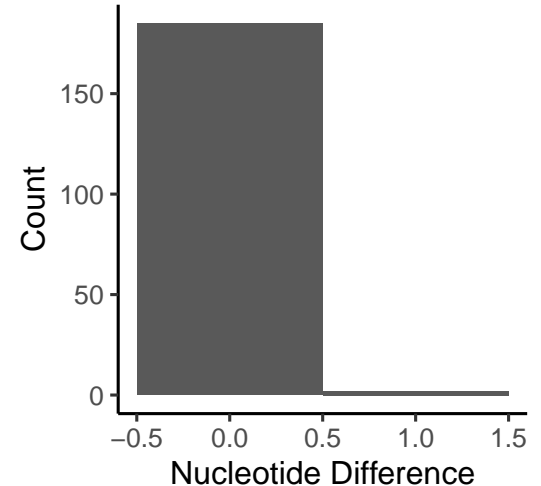
### TRBV6-1\*ap01

4996 sequences assigned  
4791 (95.9%) exact matches, in which:  
4713 unique CDR3  
13 unique J



### TRBV6-8\*ap01

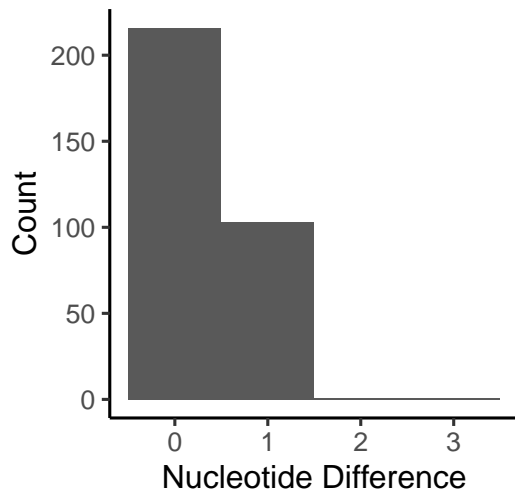
187 sequences assigned  
185 (98.9%) exact matches, in which:  
180 unique CDR3  
12 unique J





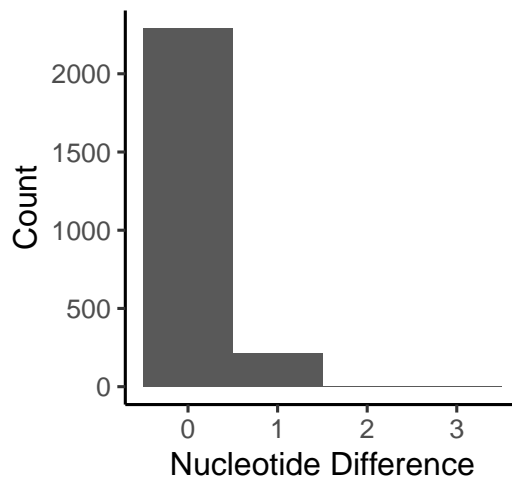
### TRBV6-9\*ap01

321 sequences assigned  
216 (67.3%) exact matches, in which:  
209 unique CDR3  
13 unique J



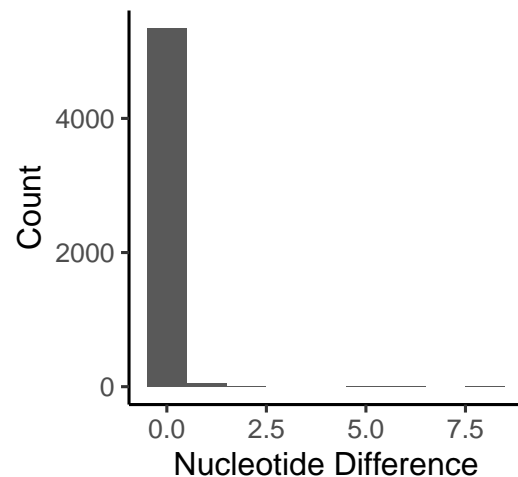
### TRBV6-56\*ap02

2510 sequences assigned  
2290 (91.2%) exact matches, in which:  
2245 unique CDR3  
13 unique J



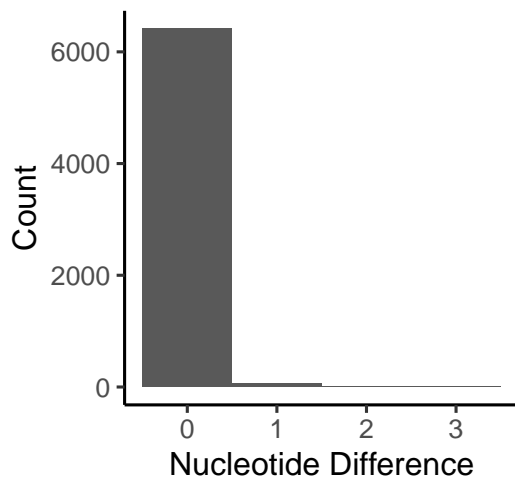
### TRBV7-3\*ap01

5403 sequences assigned  
5342 (98.9%) exact matches, in which:  
5296 unique CDR3  
13 unique J



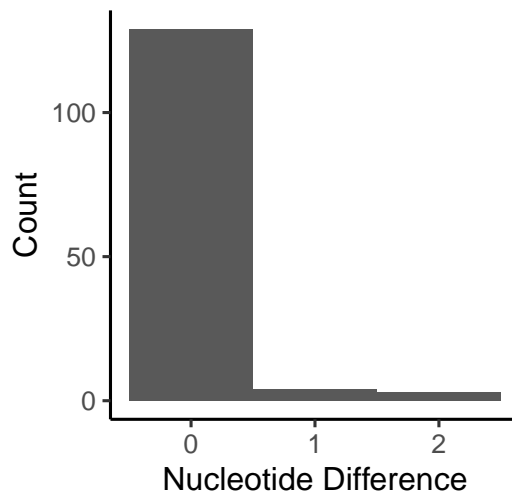
### TRBV6-23\*ap01

6484 sequences assigned  
6414 (98.9%) exact matches, in which:  
6260 unique CDR3  
13 unique J



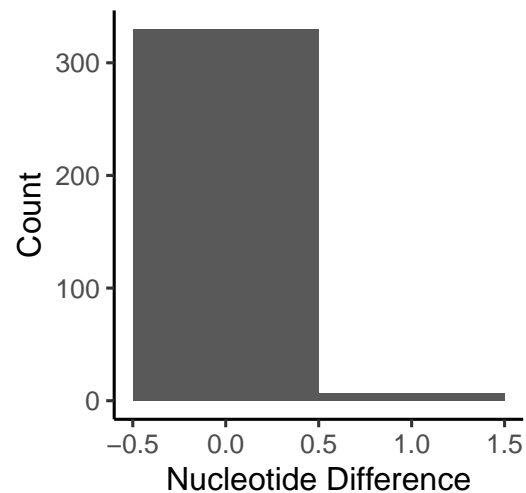
### TRBV7-1\*ap01\_G291C\_

136 sequences assigned  
129 (94.9%) exact matches, in which:  
127 unique CDR3  
13 unique J



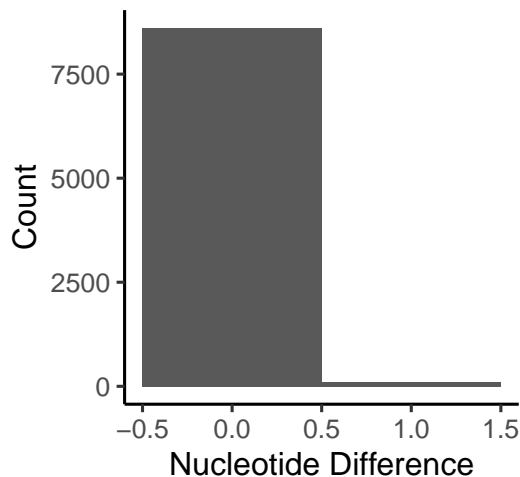
### TRBV7-4\*ap01

337 sequences assigned  
330 (97.9%) exact matches, in which:  
324 unique CDR3  
13 unique J



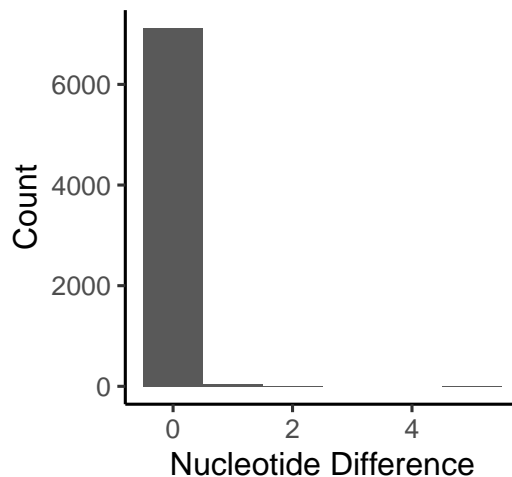
### TRBV6-56\*ap01

8706 sequences assigned  
8607 (98.9%) exact matches, in which:  
8421 unique CDR3  
13 unique J



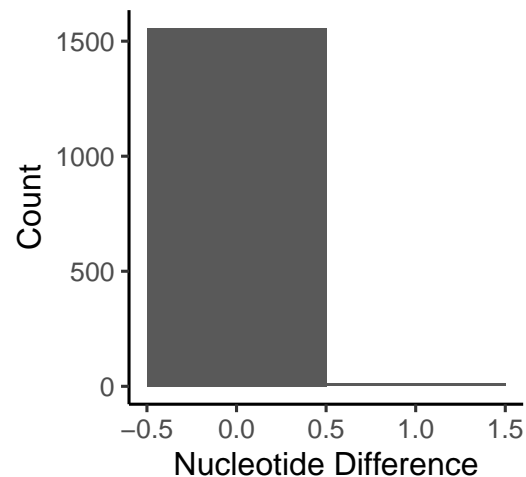
### TRBV7-2\*ap01

7166 sequences assigned  
7120 (99.4%) exact matches, in which:  
7062 unique CDR3  
13 unique J



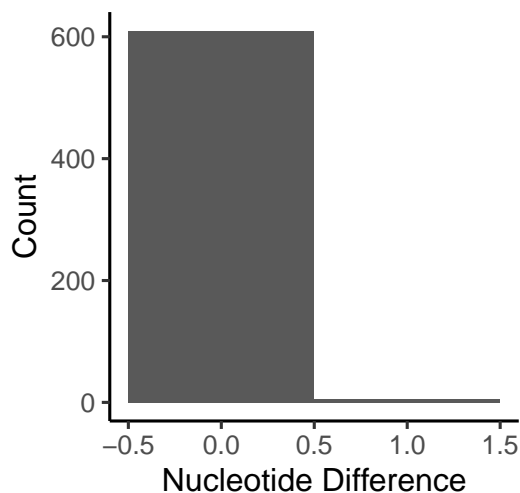
### TRBV7-6\*ap01

1569 sequences assigned  
1557 (99.2%) exact matches, in which:  
1544 unique CDR3  
13 unique J



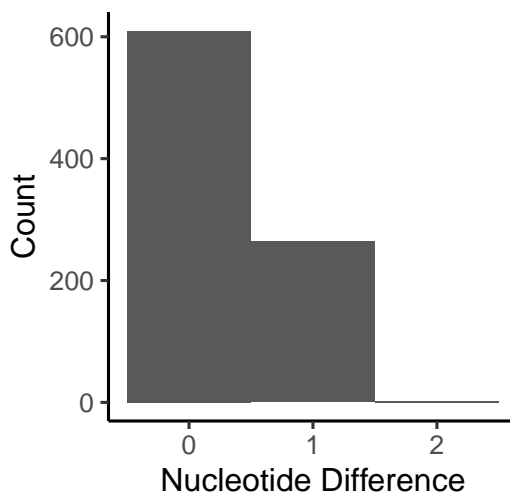
### TRBV7-7\*ap01

616 sequences assigned  
610 (99%) exact matches, in which:  
605 unique CDR3  
13 unique J



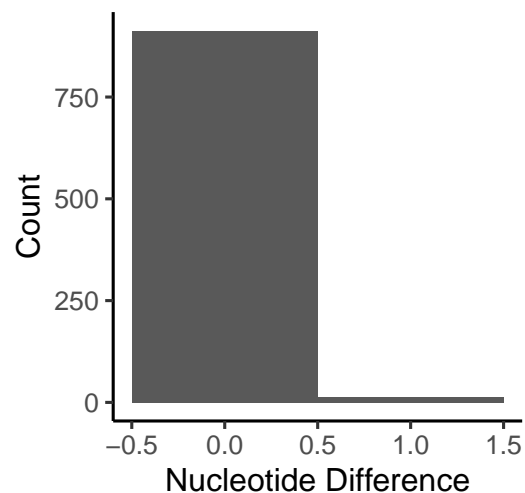
### TRBV7-8\*ap03

876 sequences assigned  
610 (69.6%) exact matches, in which:  
599 unique CDR3  
13 unique J



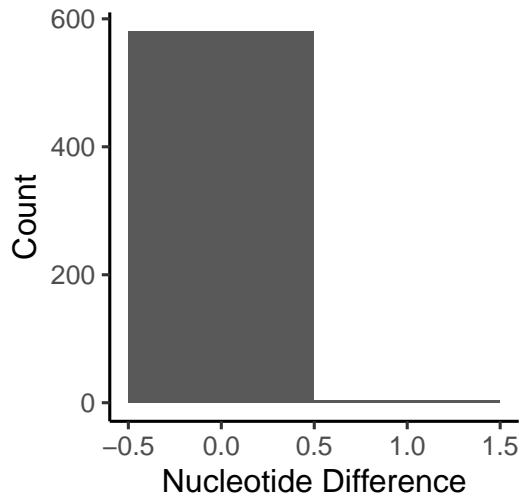
### TRBV29-1\*ap02

926 sequences assigned  
913 (98.6%) exact matches, in which:  
893 unique CDR3  
13 unique J



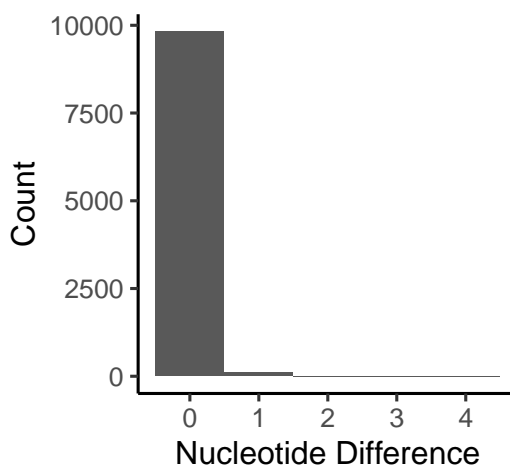
### TRBV7-7\*ap01\_C315T

585 sequences assigned  
581 (99.3%) exact matches, in which:  
573 unique CDR3  
13 unique J



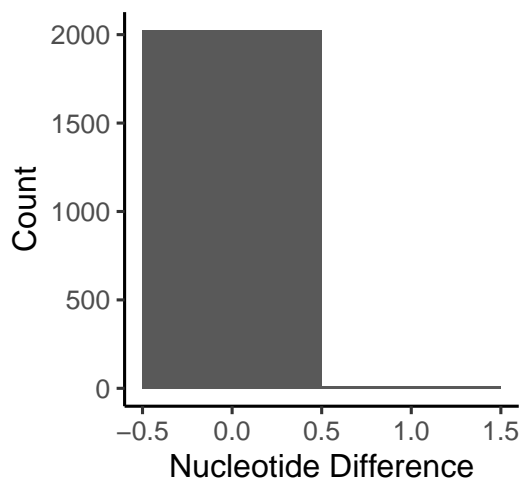
### TRBV7-9\*ap01

9933 sequences assigned  
9824 (98.9%) exact matches, in which:  
9730 unique CDR3  
13 unique J



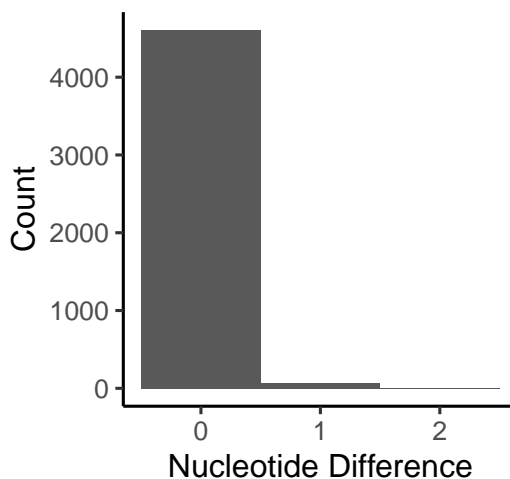
### TRBV7-8\*ap01

2039 sequences assigned  
2026 (99.4%) exact matches, in which:  
1999 unique CDR3  
13 unique J

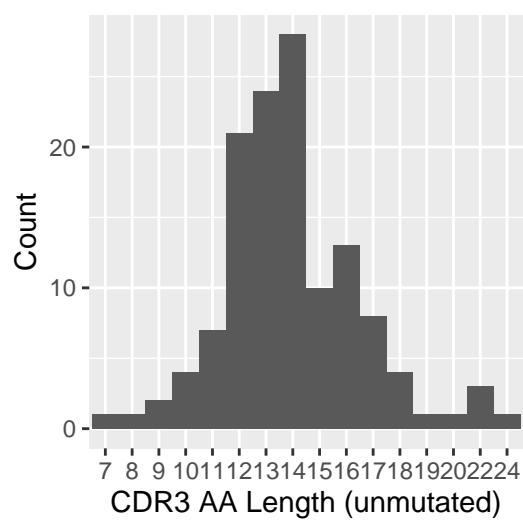


### TRBV29-1\*ap01

4677 sequences assigned  
4606 (98.5%) exact matches, in which:  
4485 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

