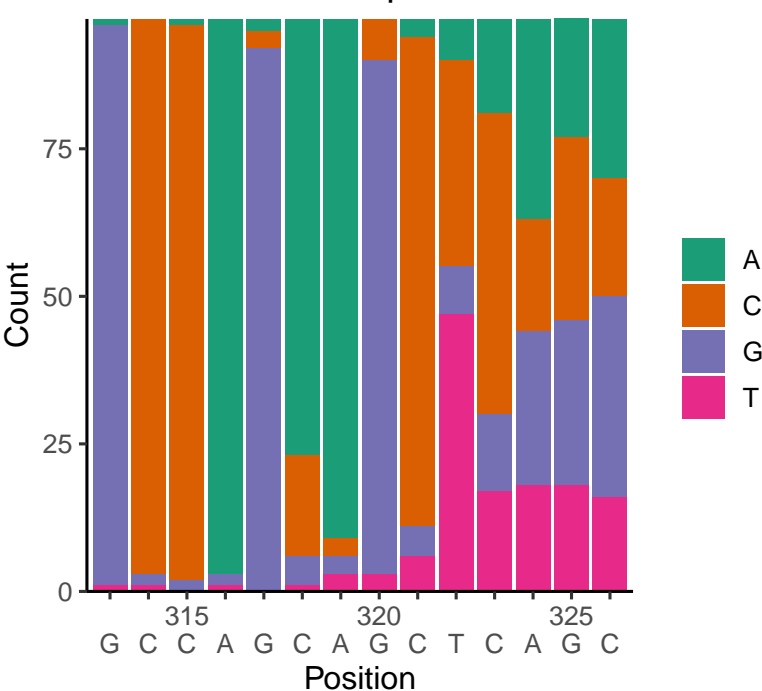
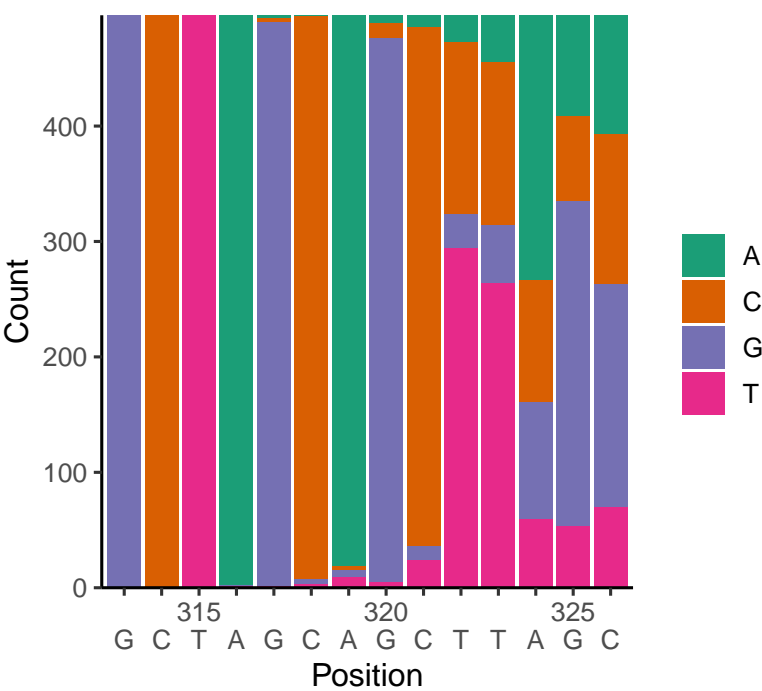


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



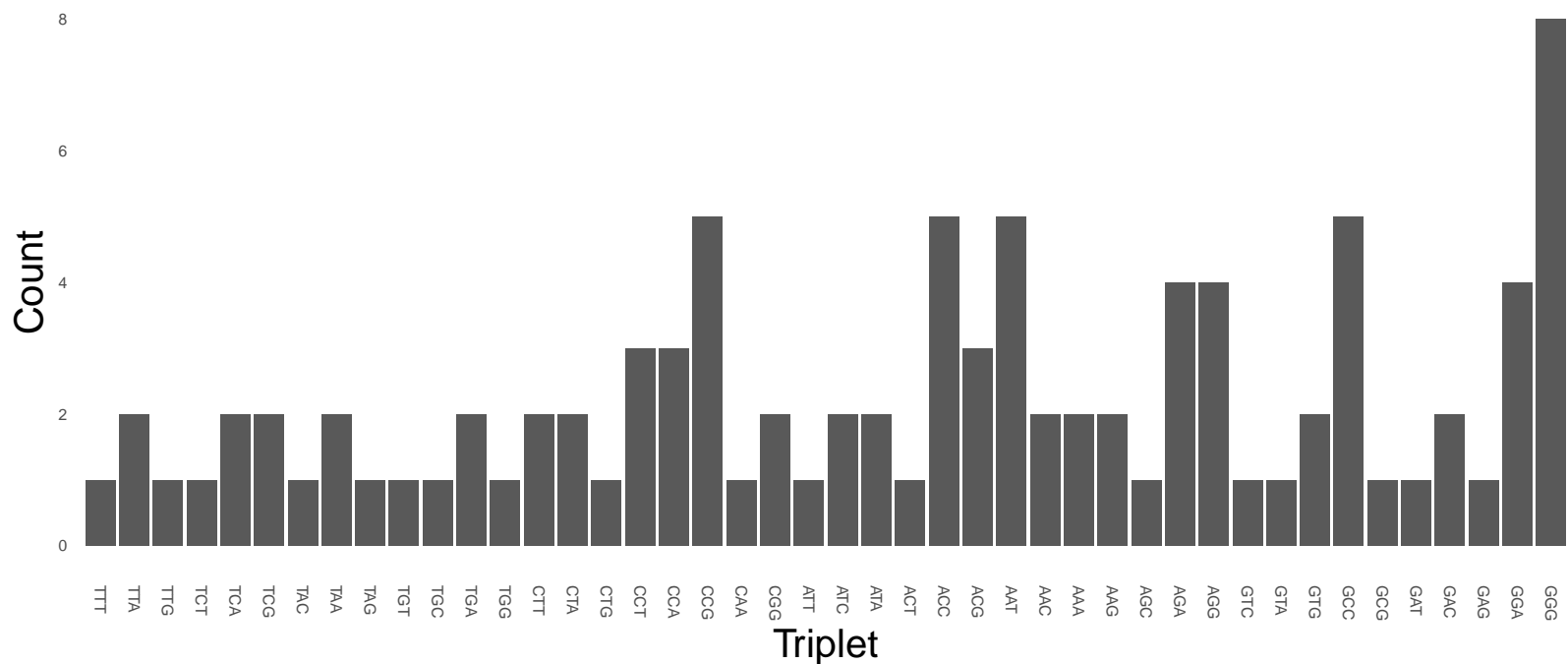
Gene TRBV7-1\*ap01\_T296C



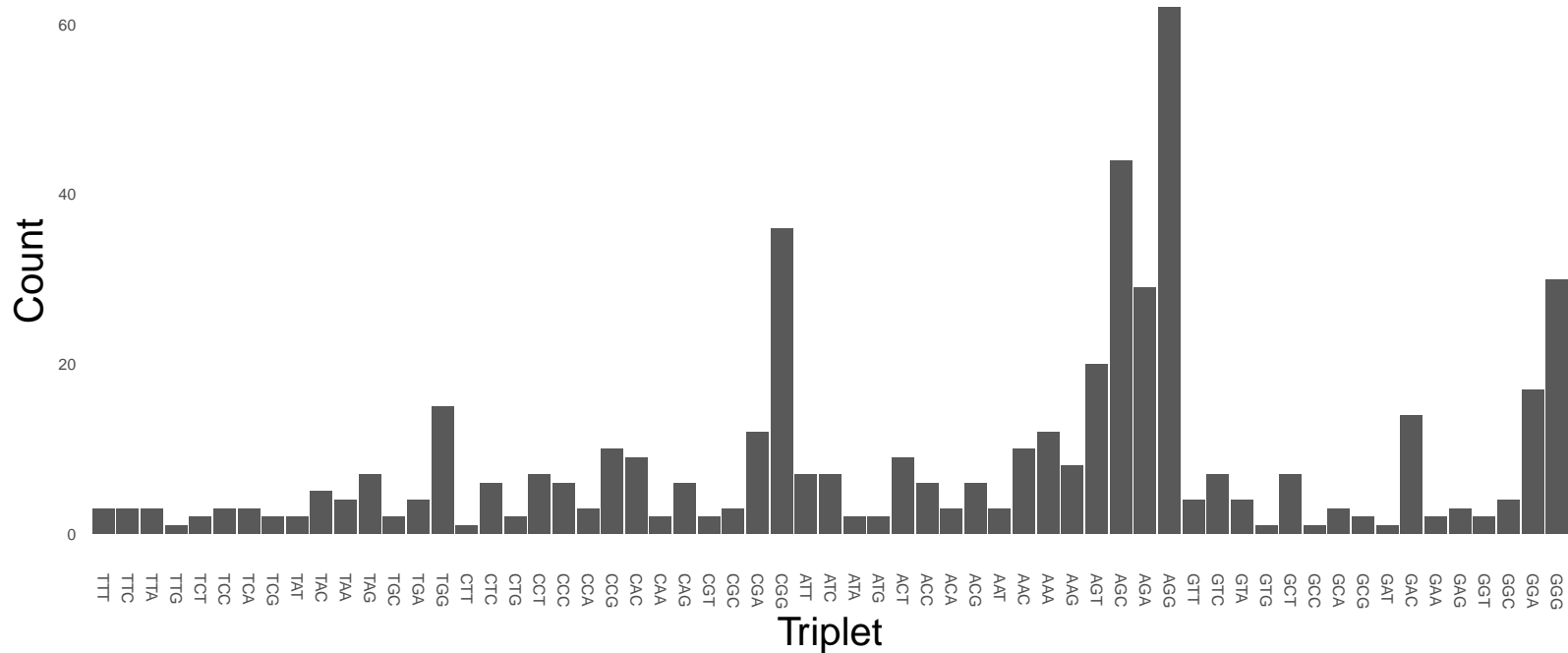
Gene TRBV7-7\*ap01\_C315T



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

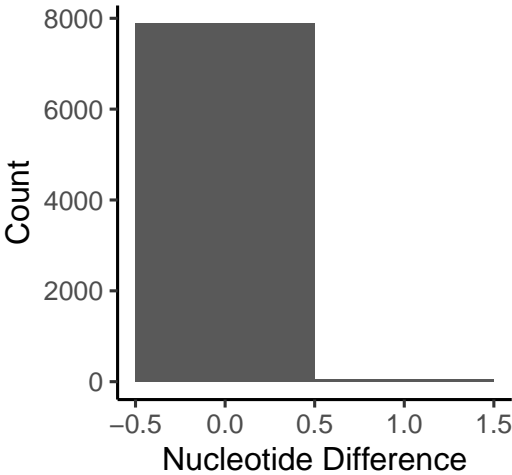


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



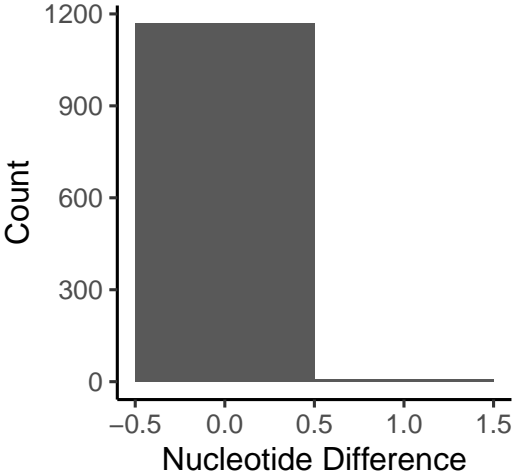
TRBV20-1\*ap01

7933 sequences assigned  
7887 (99.4%) exact matches, in which:  
7823 unique CDR3  
13 unique J



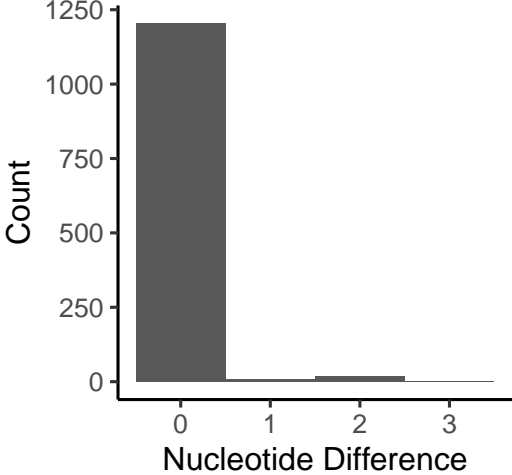
TRBV10-2\*ap01

1177 sequences assigned  
1169 (99.3%) exact matches, in which:  
1157 unique CDR3  
13 unique J



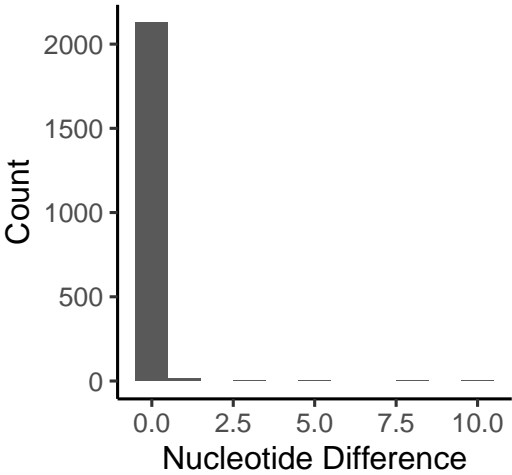
TRBV13\*ap01

1234 sequences assigned  
1204 (97.6%) exact matches, in which:  
1187 unique CDR3  
13 unique J



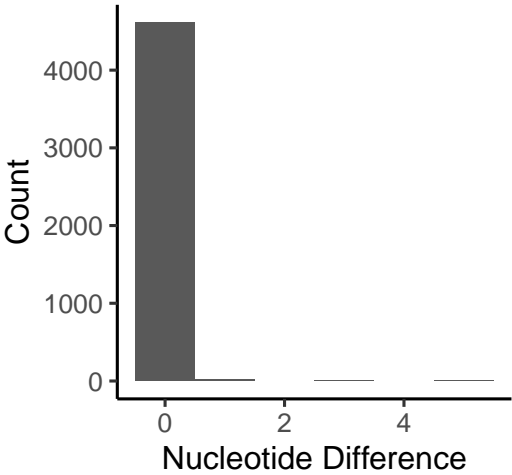
TRBV10-1\*ap01

2147 sequences assigned  
2127 (99.1%) exact matches, in which:  
2094 unique CDR3  
13 unique J



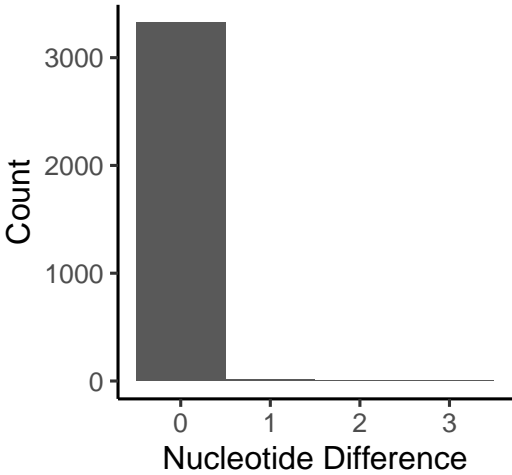
TRBV10-3\*ap01

4636 sequences assigned  
4610 (99.4%) exact matches, in which:  
4560 unique CDR3  
13 unique J



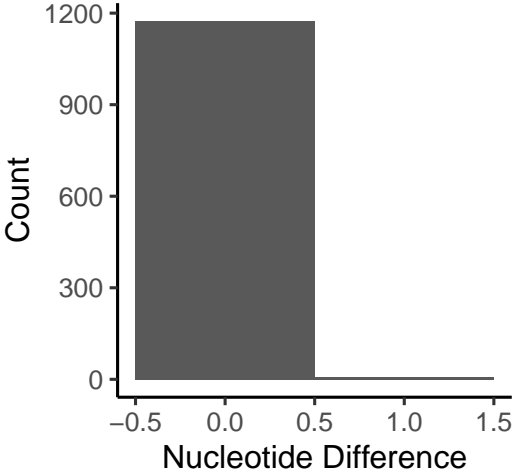
TRBV14\*ap01

3341 sequences assigned  
3324 (99.5%) exact matches, in which:  
3302 unique CDR3  
13 unique J



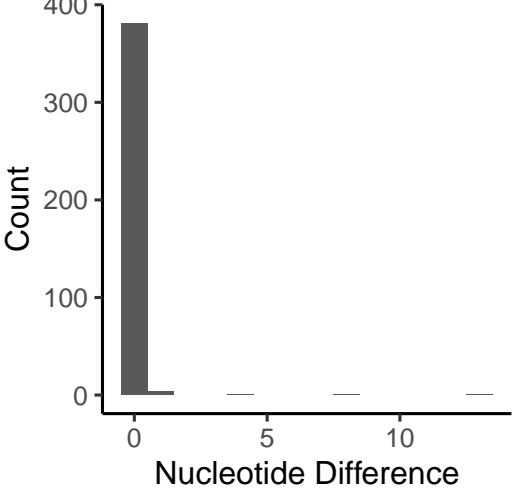
TRBV20-1\*ap02

1182 sequences assigned  
1174 (99.3%) exact matches, in which:  
1167 unique CDR3  
13 unique J



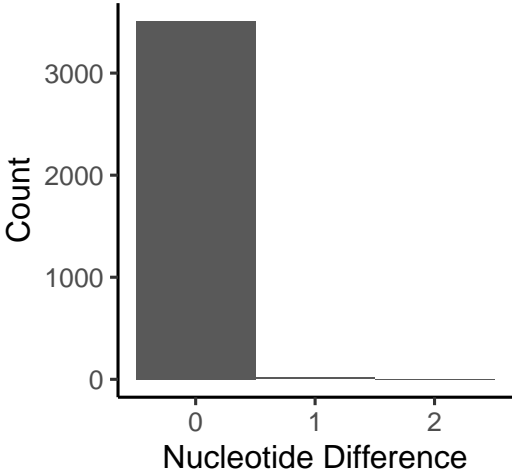
TRBV1\*ap01

388 sequences assigned  
381 (98.2%) exact matches, in which:  
372 unique CDR3  
13 unique J



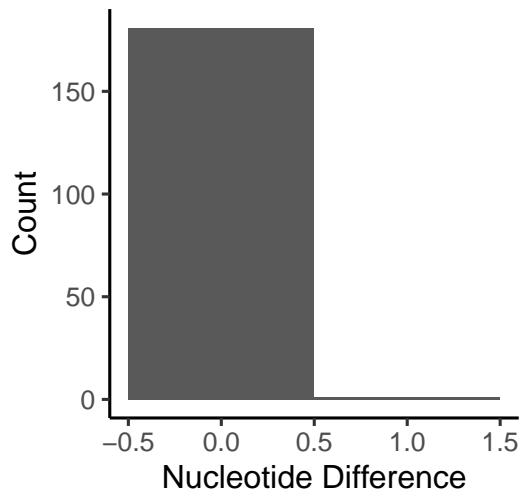
TRBV15\*ap02

3529 sequences assigned  
3510 (99.5%) exact matches, in which:  
3457 unique CDR3  
13 unique J



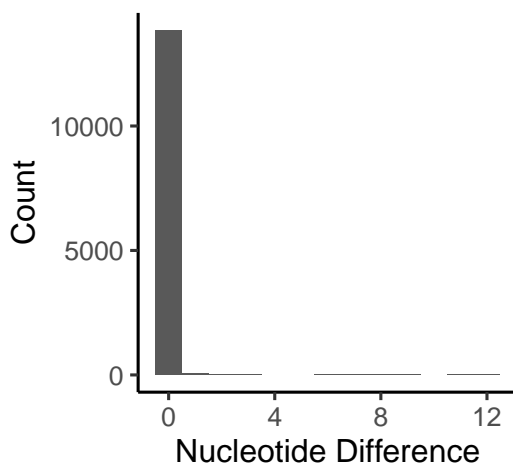
### TRBV16\*ap01

182 sequences assigned  
181 (99.5%) exact matches, in which:  
181 unique CDR3  
13 unique J



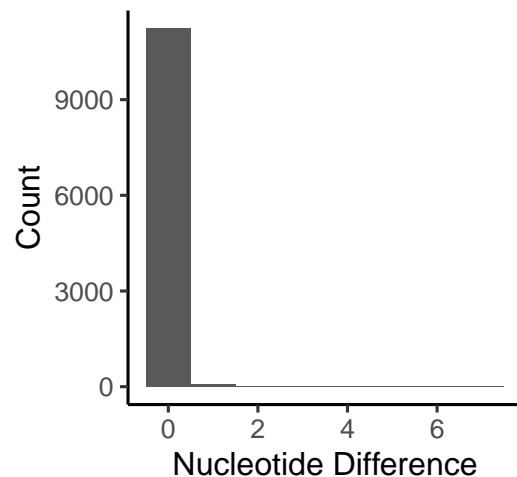
### TRBV19\*ap01

13937 sequences assigned  
13850 (99.4%) exact matches, in which:  
13780 unique CDR3  
13 unique J



### TRBV27\*ap01

11320 sequences assigned  
11234 (99.2%) exact matches, in which:  
11113 unique CDR3  
13 unique J



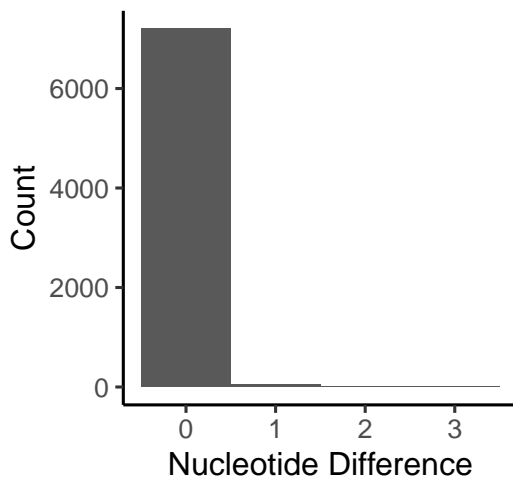
### TRBV17\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



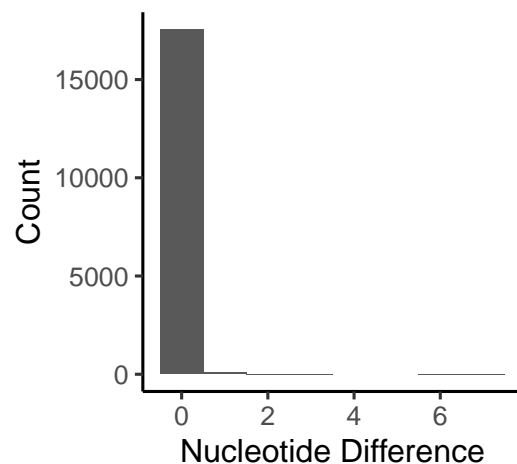
### TRBV2\*ap01

7252 sequences assigned  
7202 (99.3%) exact matches, in which:  
7116 unique CDR3  
13 unique J



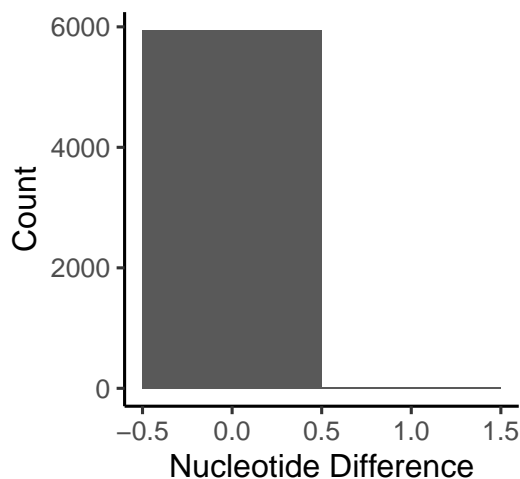
### TRBV28\*ap01

17644 sequences assigned  
17549 (99.5%) exact matches, in which:  
17423 unique CDR3  
13 unique J



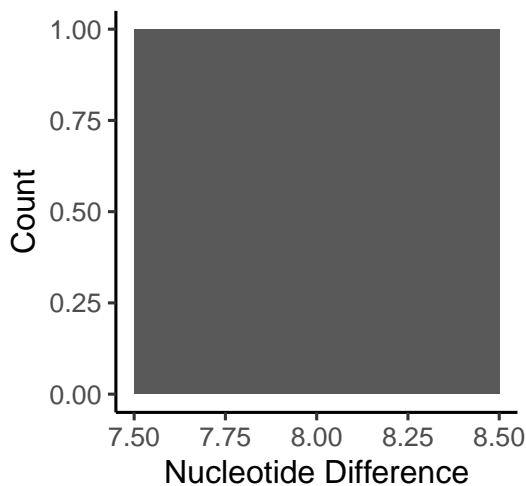
### TRBV18\*ap01

5970 sequences assigned  
5947 (99.6%) exact matches, in which:  
5909 unique CDR3  
13 unique J



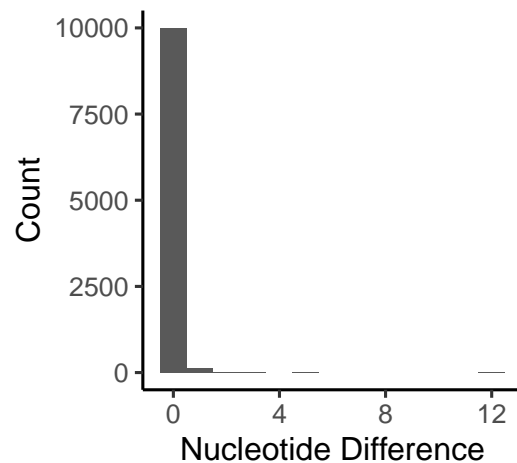
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



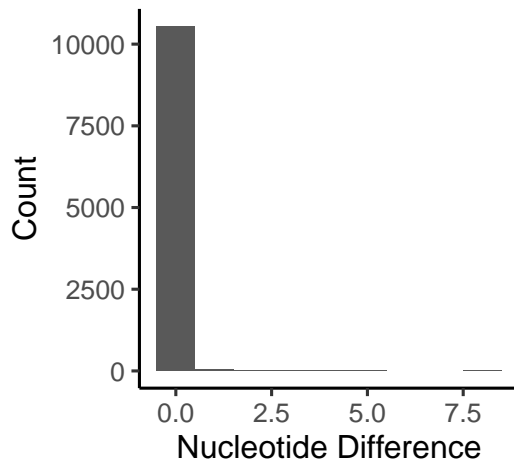
### TRBV30\*ap01

10139 sequences assigned  
10003 (98.7%) exact matches, in which:  
9780 unique CDR3  
13 unique J



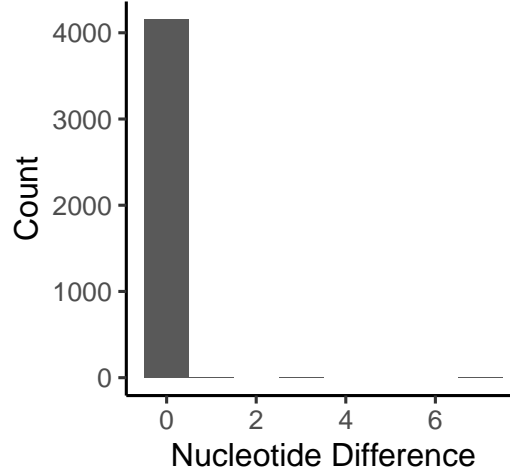
### TRBV9\*ap01

10600 sequences assigned  
10550 (99.5%) exact matches, in which:  
10491 unique CDR3  
13 unique J



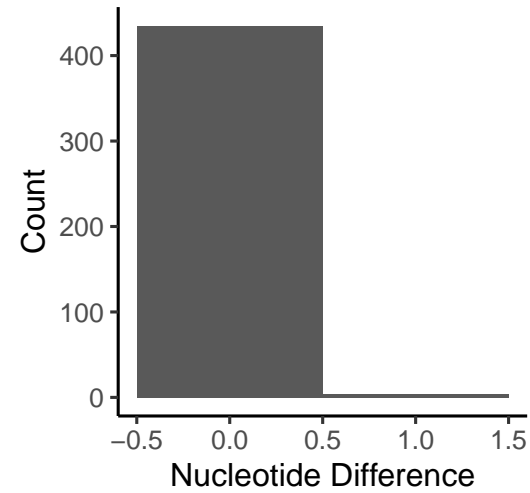
### TRBV11-2\*ap01

4169 sequences assigned  
4155 (99.7%) exact matches, in which:  
4134 unique CDR3  
13 unique J



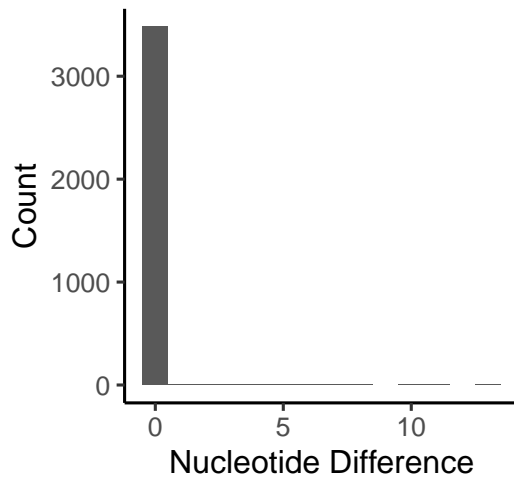
### TRBV12-2\*ap01

439 sequences assigned  
435 (99.1%) exact matches, in which:  
432 unique CDR3  
13 unique J



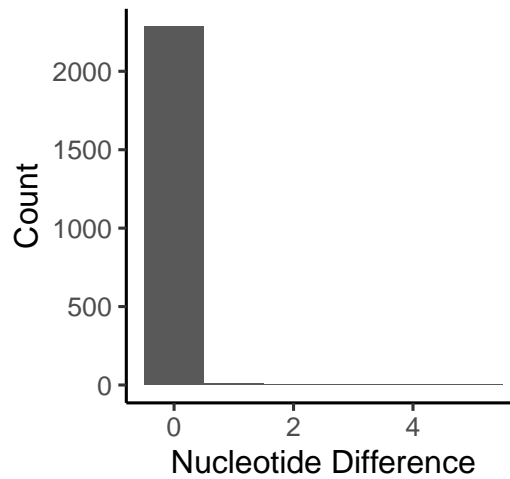
### TRBV21-1\*ap01

3510 sequences assigned  
3481 (99.2%) exact matches, in which:  
3468 unique CDR3  
13 unique J



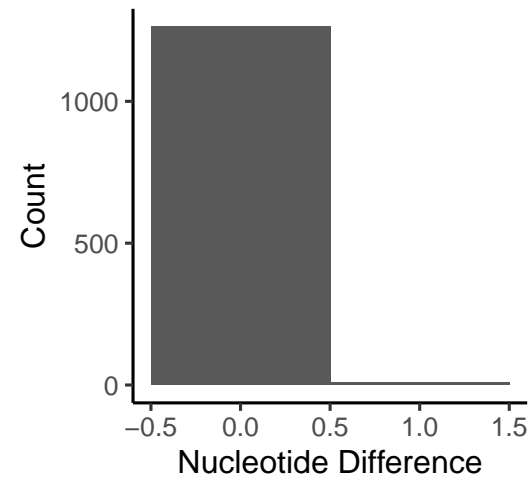
### TRBV11-3\*ap01

2299 sequences assigned  
2284 (99.3%) exact matches, in which:  
2274 unique CDR3  
13 unique J



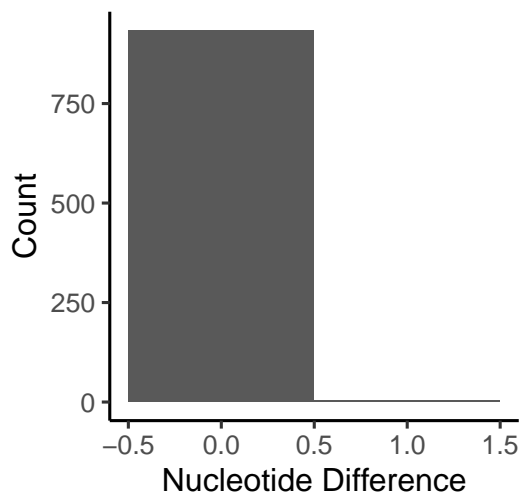
### TRBV12-5\*ap01

1273 sequences assigned  
1263 (99.2%) exact matches, in which:  
1253 unique CDR3  
13 unique J



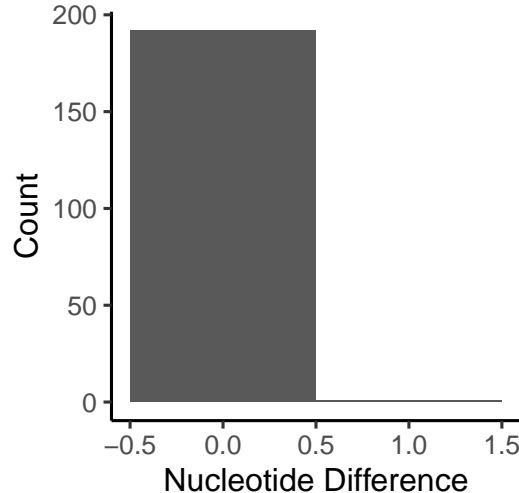
### TRBV11-1\*ap01

937 sequences assigned  
934 (99.7%) exact matches, in which:  
927 unique CDR3  
13 unique J



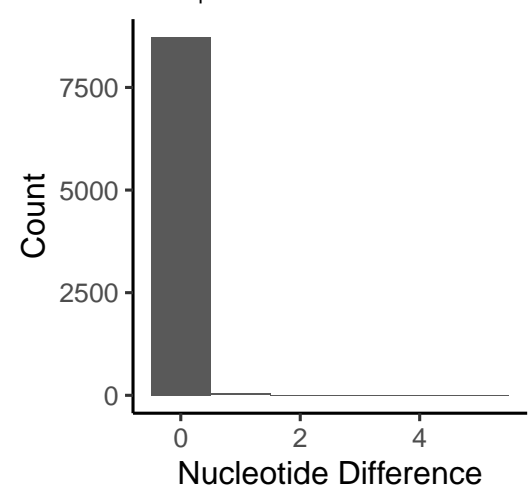
### TRBV12-1\*ap01

193 sequences assigned  
192 (99.5%) exact matches, in which:  
190 unique CDR3  
12 unique J



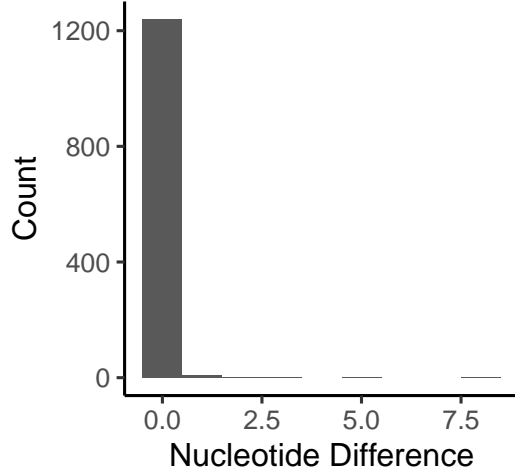
### TRBV12-34\*ap01

8777 sequences assigned  
8728 (99.4%) exact matches, in which:  
8634 unique CDR3  
13 unique J



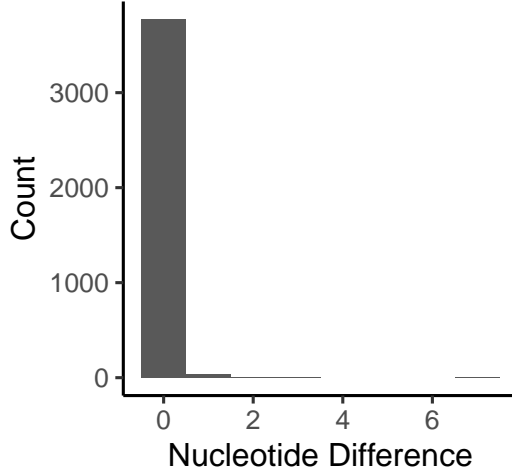
### TRBV23-1\*ap01

1252 sequences assigned  
1239 (99%) exact matches, in which:  
1227 unique CDR3  
13 unique J



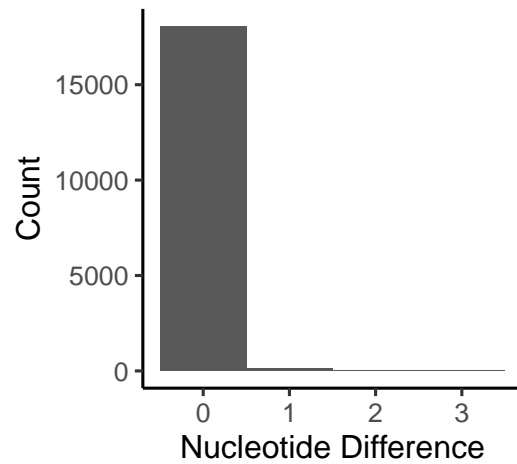
### TRBV4-1\*ap01

3807 sequences assigned  
3771 (99.1%) exact matches, in which:  
3718 unique CDR3  
13 unique J



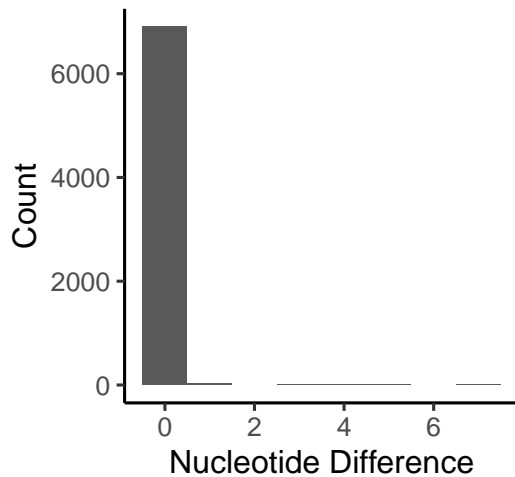
### TRBV5-1\*ap01

18203 sequences assigned  
18069 (99.3%) exact matches, in which:  
17831 unique CDR3  
13 unique J



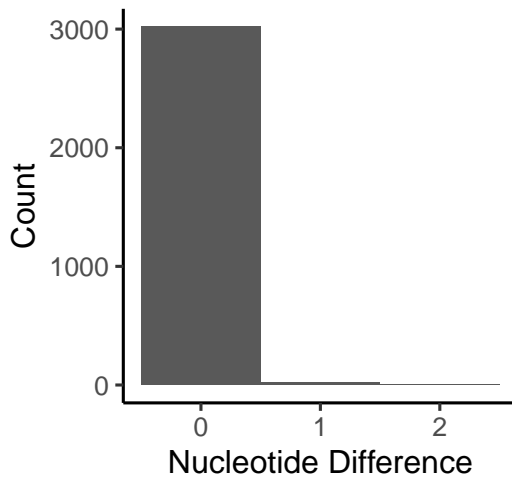
### TRBV3-12\*ap01

6944 sequences assigned  
6905 (99.4%) exact matches, in which:  
6868 unique CDR3  
13 unique J



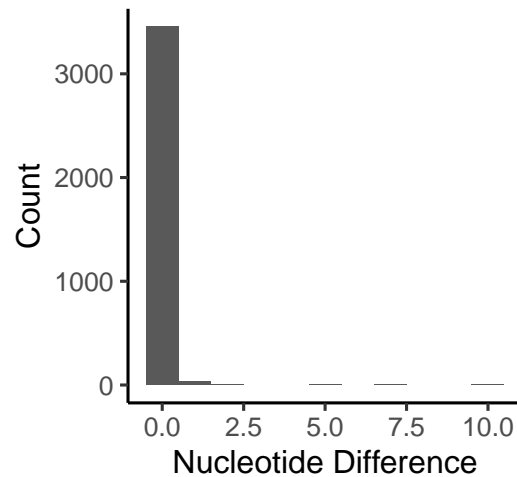
### TRBV4-2\*ap01

3042 sequences assigned  
3020 (99.3%) exact matches, in which:  
2987 unique CDR3  
13 unique J



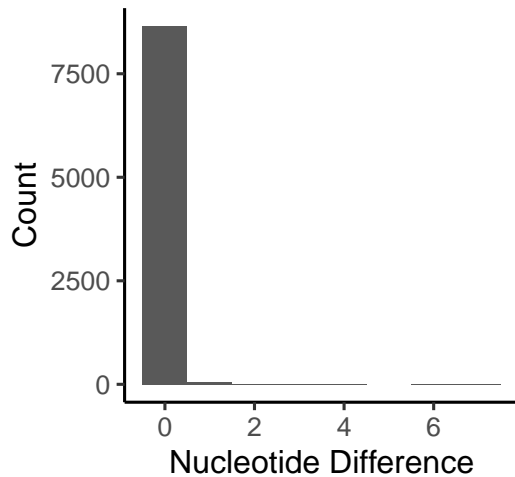
### TRBV25-1\*ap01

3492 sequences assigned  
3454 (98.9%) exact matches, in which:  
3388 unique CDR3  
13 unique J



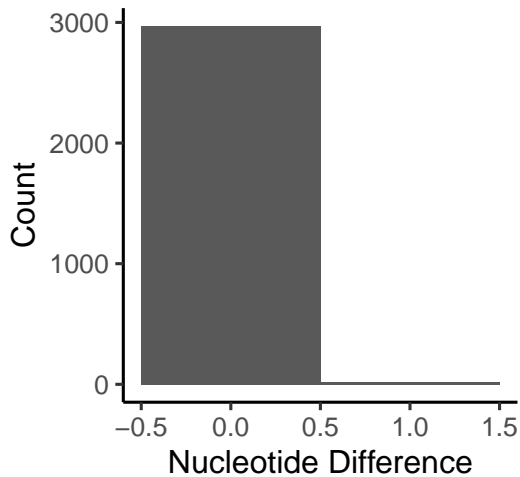
### TRBV24-1\*ap01

8716 sequences assigned  
8652 (99.3%) exact matches, in which:  
8563 unique CDR3  
13 unique J



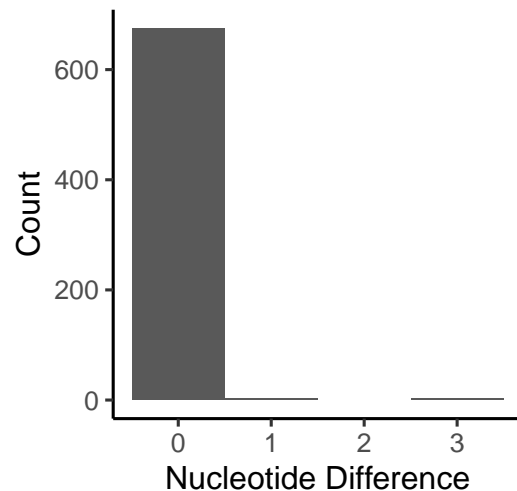
### TRBV4-3\*ap01

2991 sequences assigned  
2970 (99.3%) exact matches, in which:  
2922 unique CDR3  
13 unique J



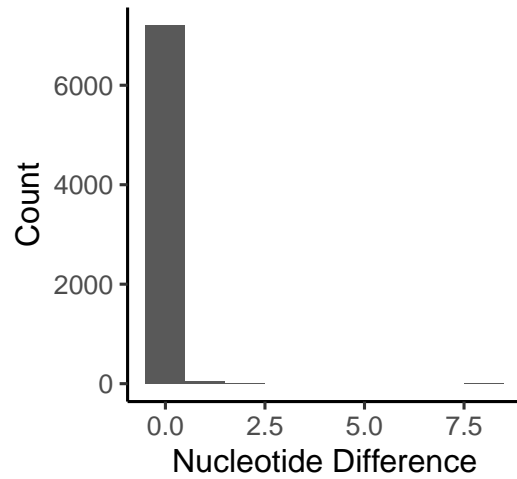
### TRBV5-3\*ap01

681 sequences assigned  
675 (99.1%) exact matches, in which:  
666 unique CDR3  
13 unique J



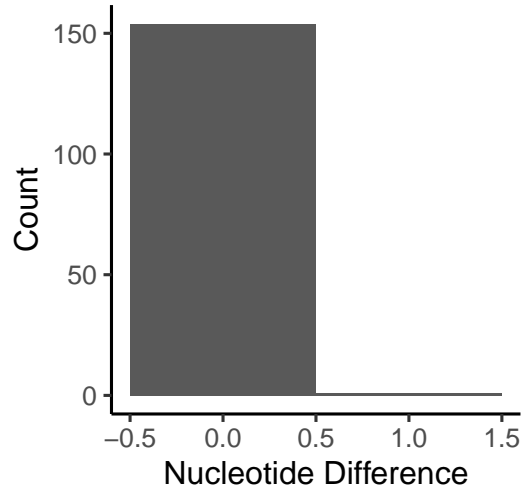
### TRBV5-4\*ap01

7253 sequences assigned  
7203 (99.3%) exact matches, in which:  
7109 unique CDR3  
13 unique J



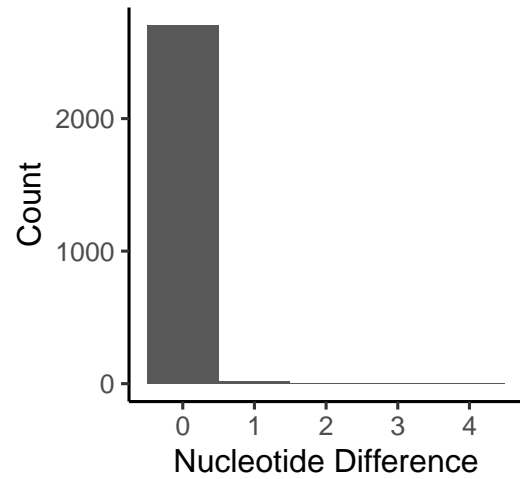
### TRBV5-7\*ap01

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



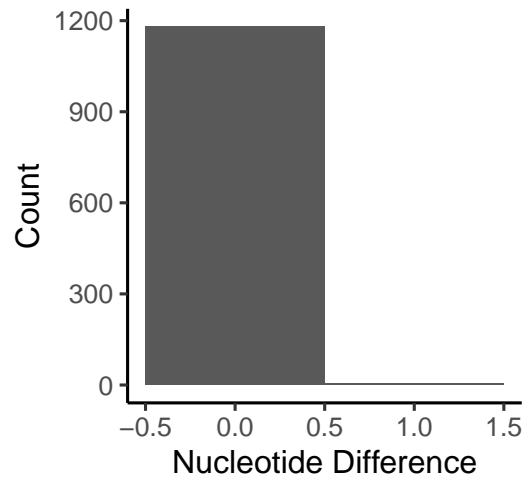
### TRBV6-4\*ap01

2729 sequences assigned  
2703 (99%) exact matches, in which:  
2687 unique CDR3  
13 unique J



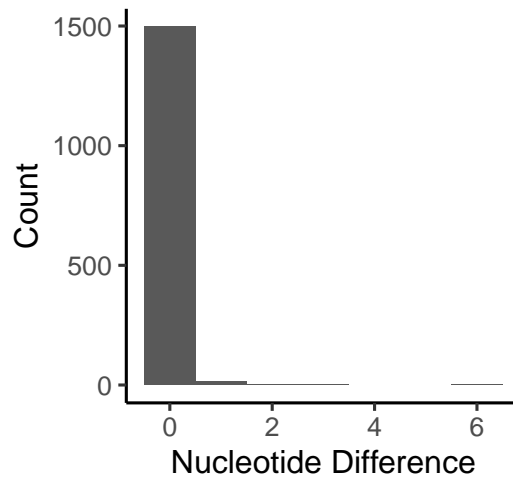
### TRBV5-5\*ap01

1186 sequences assigned  
1180 (99.5%) exact matches, in which:  
1175 unique CDR3  
13 unique J



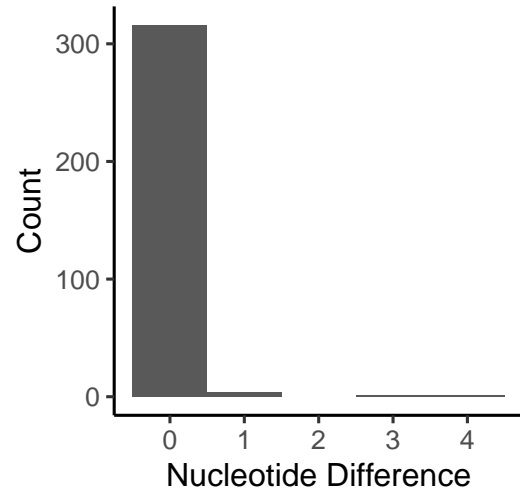
### TRBV5-8\*ap01

1516 sequences assigned  
1497 (98.7%) exact matches, in which:  
1480 unique CDR3  
13 unique J



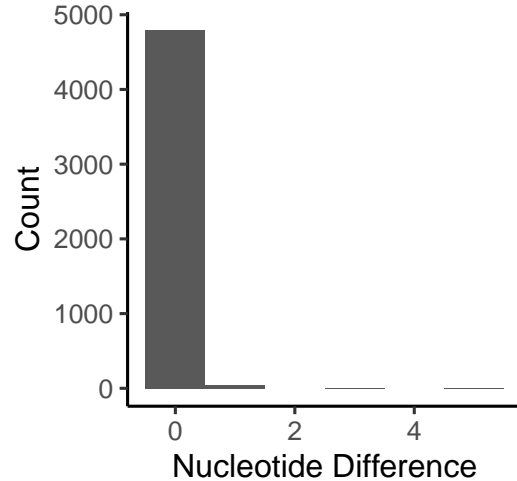
### TRBV6-7\*ap01

322 sequences assigned  
316 (98.1%) exact matches, in which:  
309 unique CDR3  
13 unique J



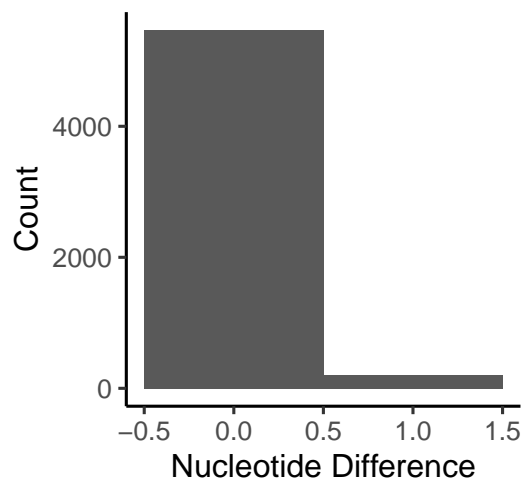
### TRBV5-6\*ap01

4845 sequences assigned  
4795 (99%) exact matches, in which:  
4689 unique CDR3  
13 unique J



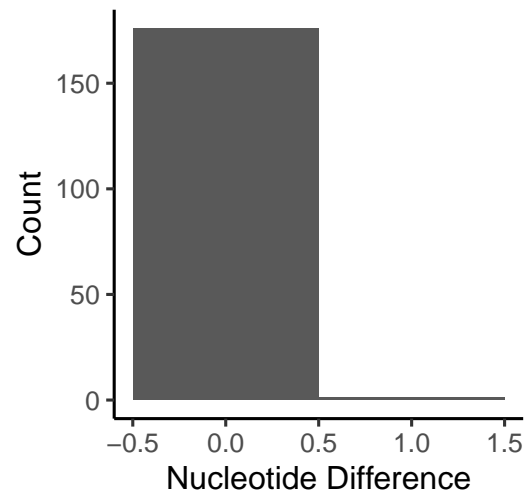
### TRBV6-1\*ap01

5669 sequences assigned  
5469 (96.5%) exact matches, in which:  
5395 unique CDR3  
13 unique J



### TRBV6-8\*ap01

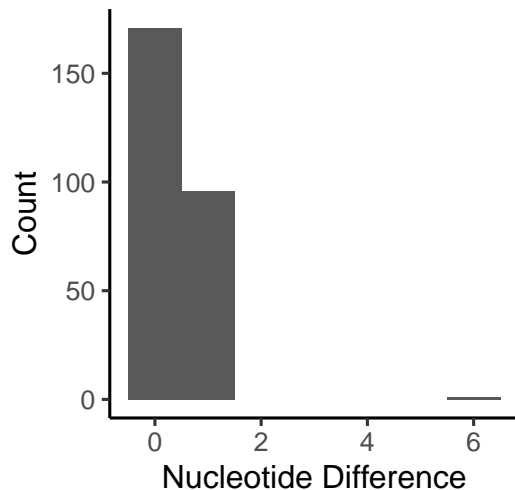
177 sequences assigned  
176 (99.4%) exact matches, in which:  
175 unique CDR3  
13 unique J





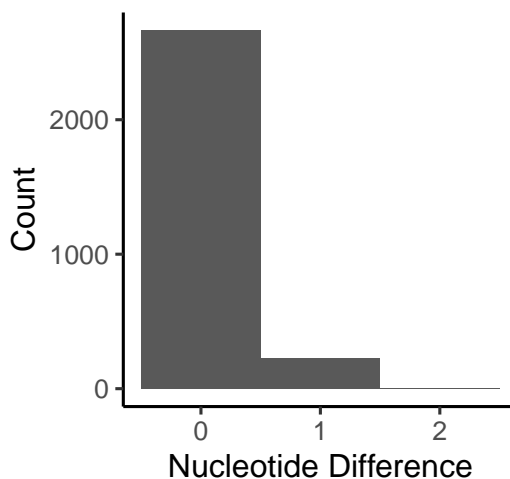
### TRBV6-9\*ap01

268 sequences assigned  
171 (63.8%) exact matches, in which:  
169 unique CDR3  
13 unique J



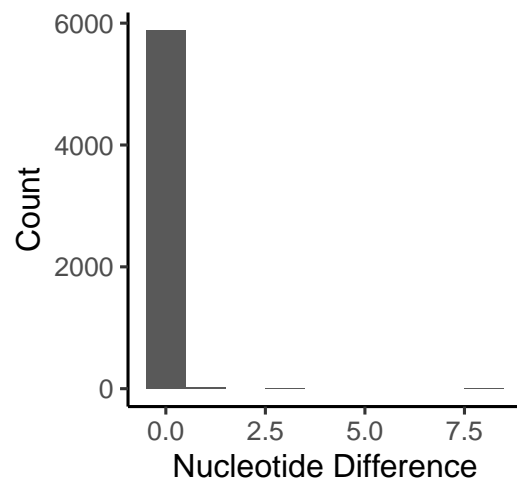
### TRBV6-56\*ap02

2893 sequences assigned  
2664 (92.1%) exact matches, in which:  
2613 unique CDR3  
13 unique J



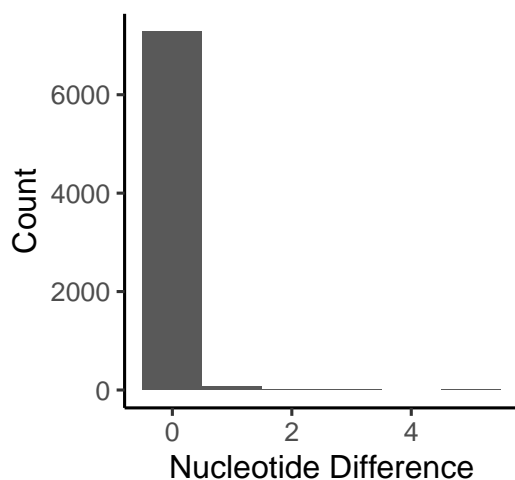
### TRBV7-3\*ap01

5911 sequences assigned  
5881 (99.5%) exact matches, in which:  
5843 unique CDR3  
13 unique J



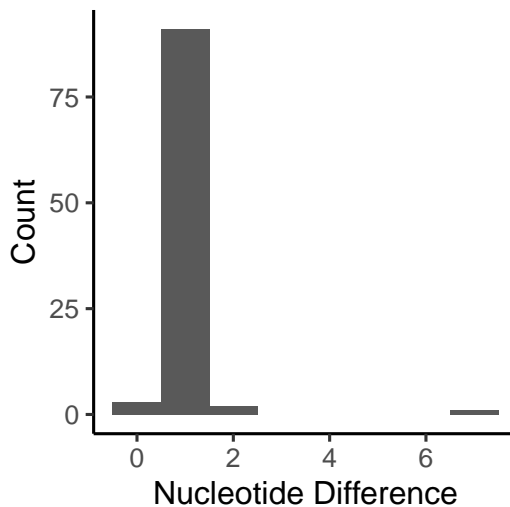
### TRBV6-23\*ap01

7363 sequences assigned  
7280 (98.9%) exact matches, in which:  
7139 unique CDR3  
13 unique J



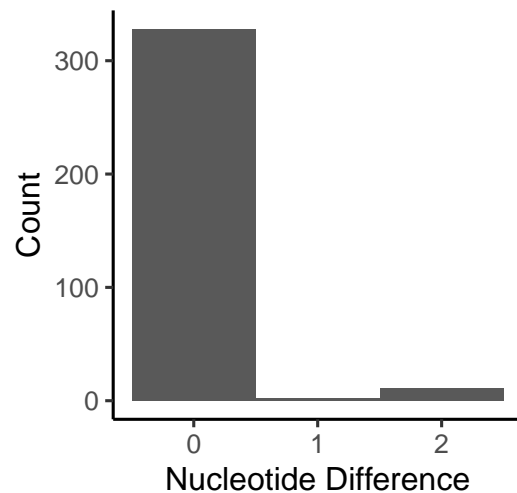
### TRBV7-1\*ap01\_T296C

97 sequences assigned  
3 (3.1%) exact matches, in which:  
3 unique CDR3  
3 unique J



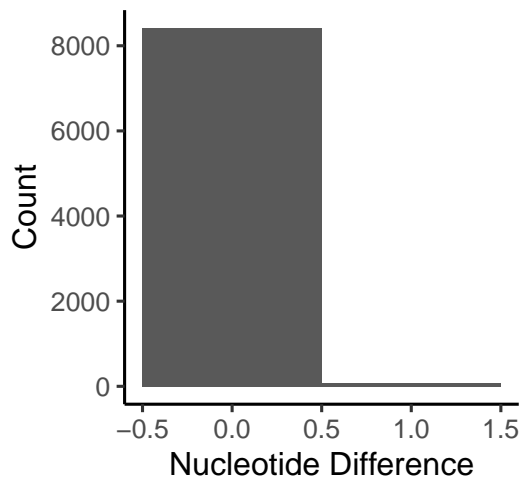
### TRBV7-4\*ap01

341 sequences assigned  
328 (96.2%) exact matches, in which:  
322 unique CDR3  
13 unique J



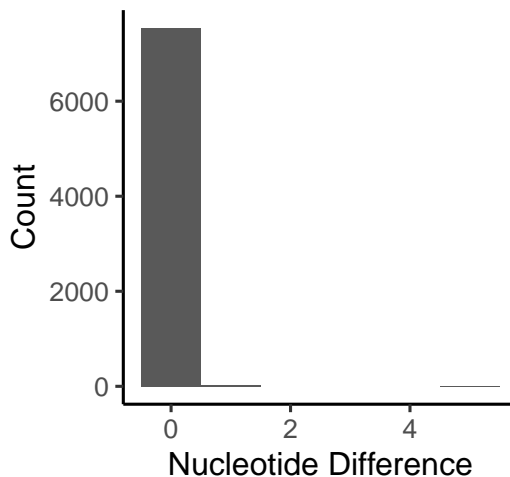
### TRBV6-56\*ap01

8490 sequences assigned  
8416 (99.1%) exact matches, in which:  
8272 unique CDR3  
13 unique J



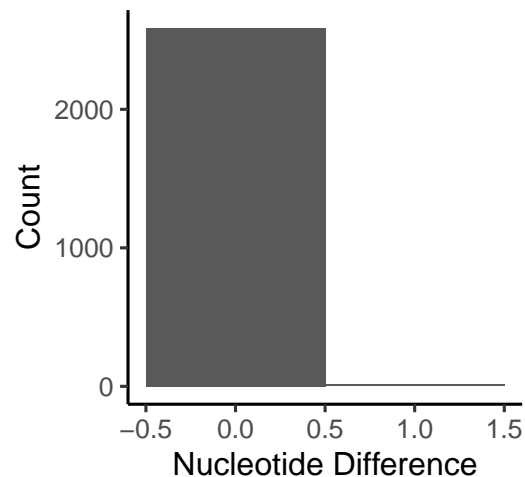
### TRBV7-2\*ap01

7570 sequences assigned  
7539 (99.6%) exact matches, in which:  
7462 unique CDR3  
13 unique J



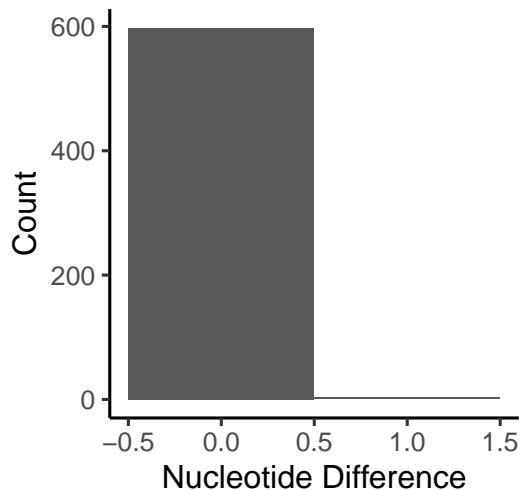
### TRBV7-6\*ap01

2600 sequences assigned  
2587 (99.5%) exact matches, in which:  
2560 unique CDR3  
13 unique J



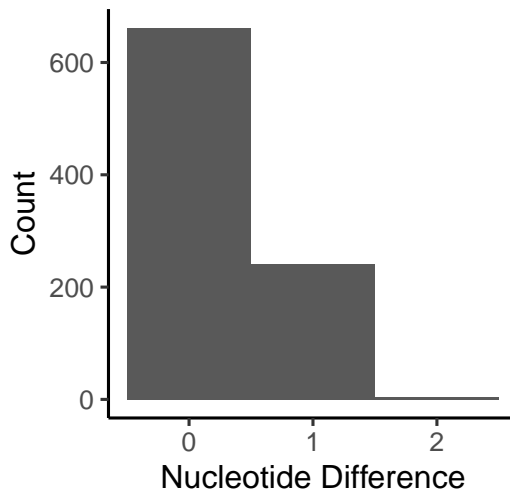
### TRBV7-7\*ap01

601 sequences assigned  
598 (99.5%) exact matches, in which:  
594 unique CDR3  
13 unique J



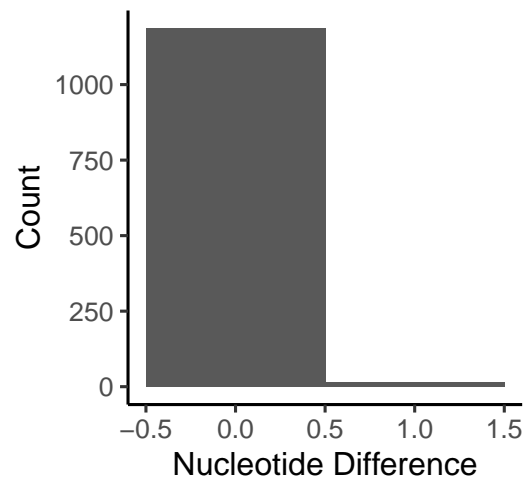
### TRBV7-8\*ap03

907 sequences assigned  
662 (73%) exact matches, in which:  
655 unique CDR3  
13 unique J



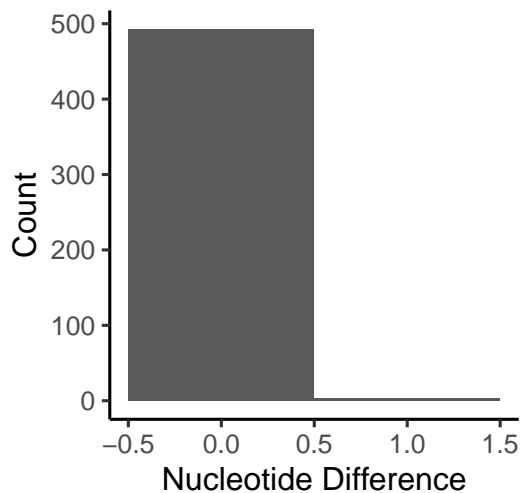
### TRBV29-1\*ap02

1200 sequences assigned  
1186 (98.8%) exact matches, in which:  
1156 unique CDR3  
13 unique J



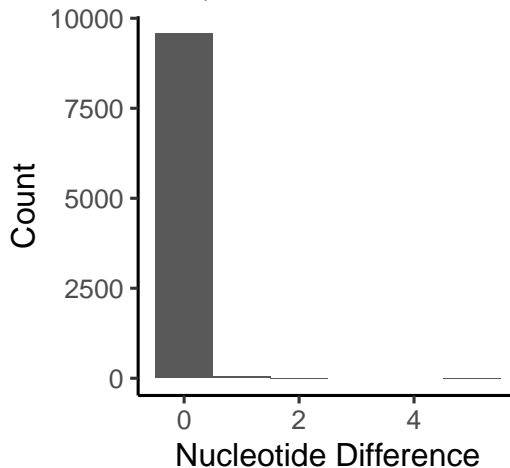
### TRBV7-7\*ap01\_C315T

496 sequences assigned  
493 (99.4%) exact matches, in which:  
486 unique CDR3  
13 unique J



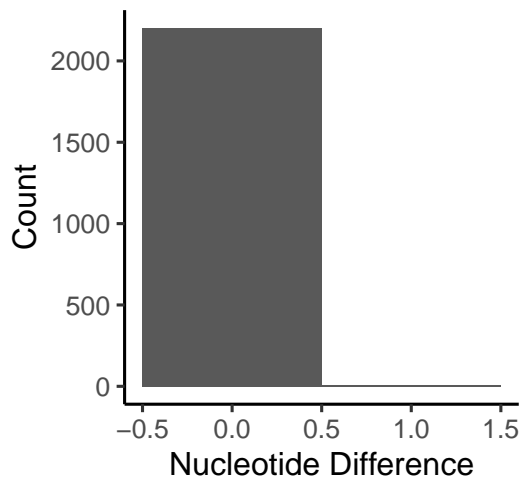
### TRBV7-9\*ap01

9629 sequences assigned  
9578 (99.5%) exact matches, in which:  
9482 unique CDR3  
13 unique J



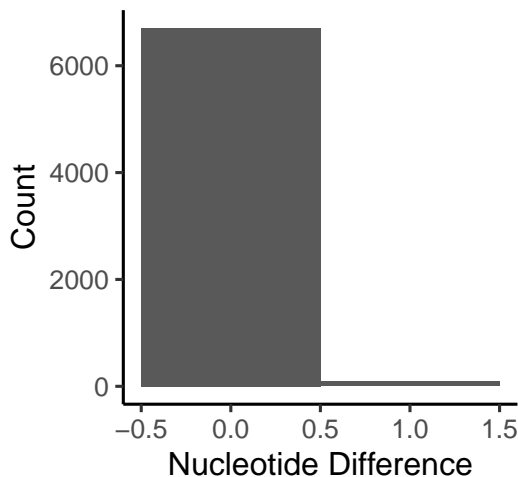
### TRBV7-8\*ap01

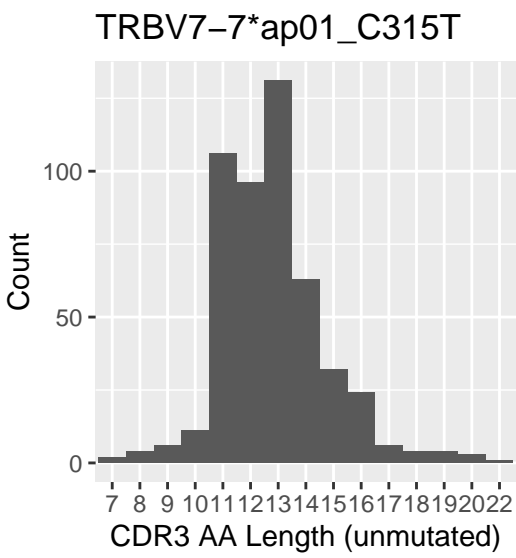
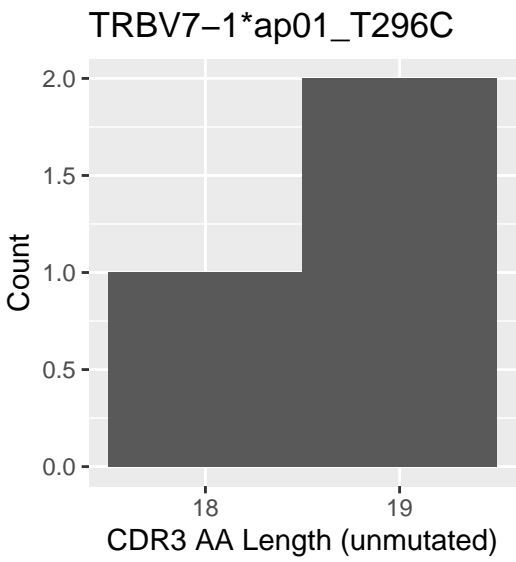
2209 sequences assigned  
2202 (99.7%) exact matches, in which:  
2188 unique CDR3  
13 unique J



### TRBV29-1\*ap01

6795 sequences assigned  
6705 (98.7%) exact matches, in which:  
6544 unique CDR3  
13 unique J







Warning – no inferred sequences found.

Warning – no inferred sequences found.