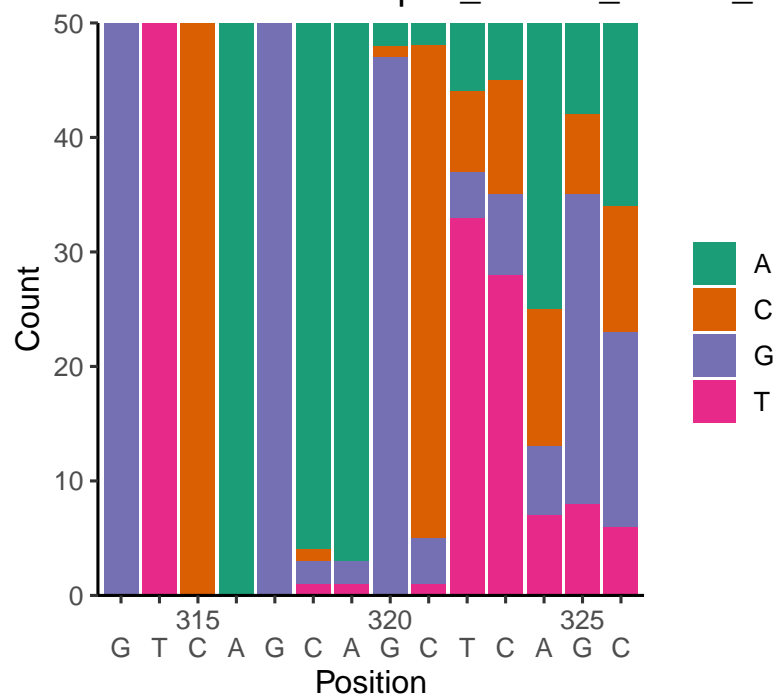
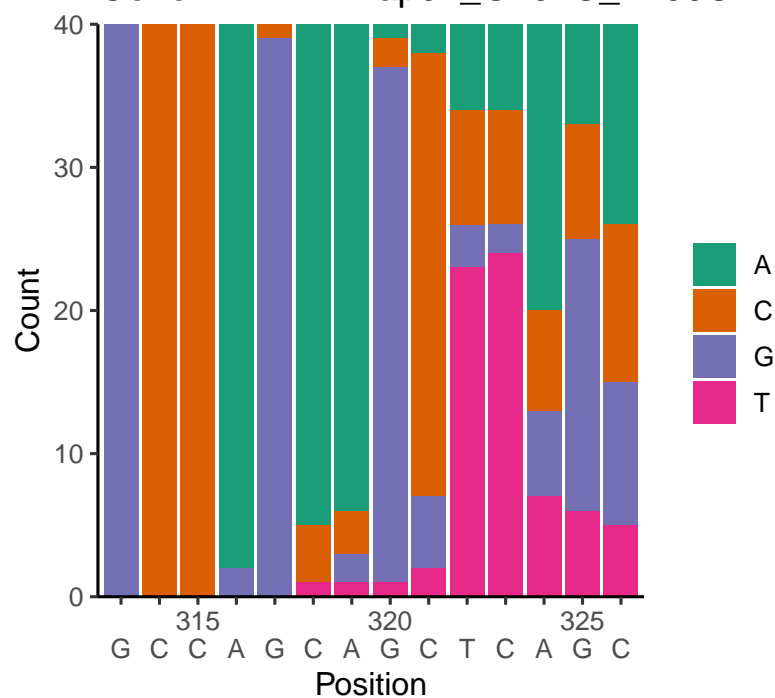


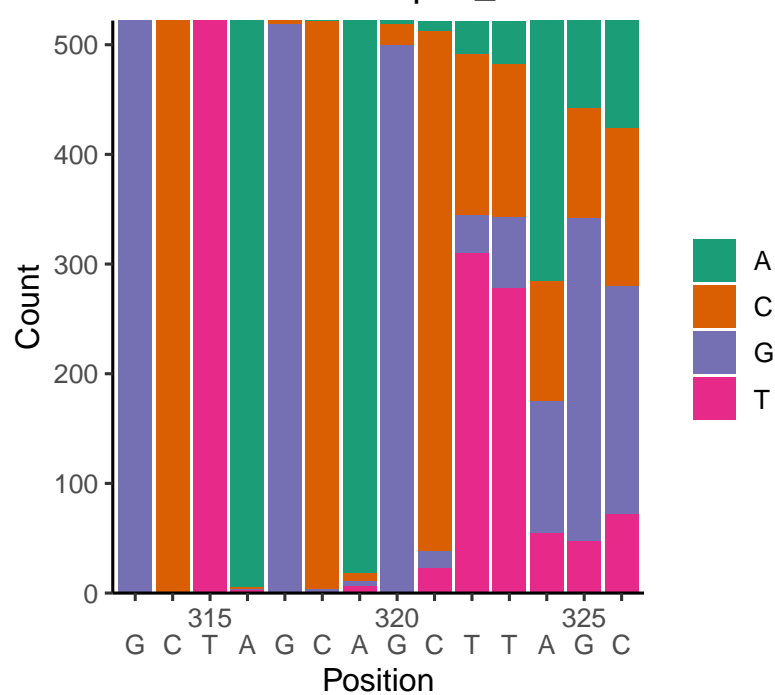
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



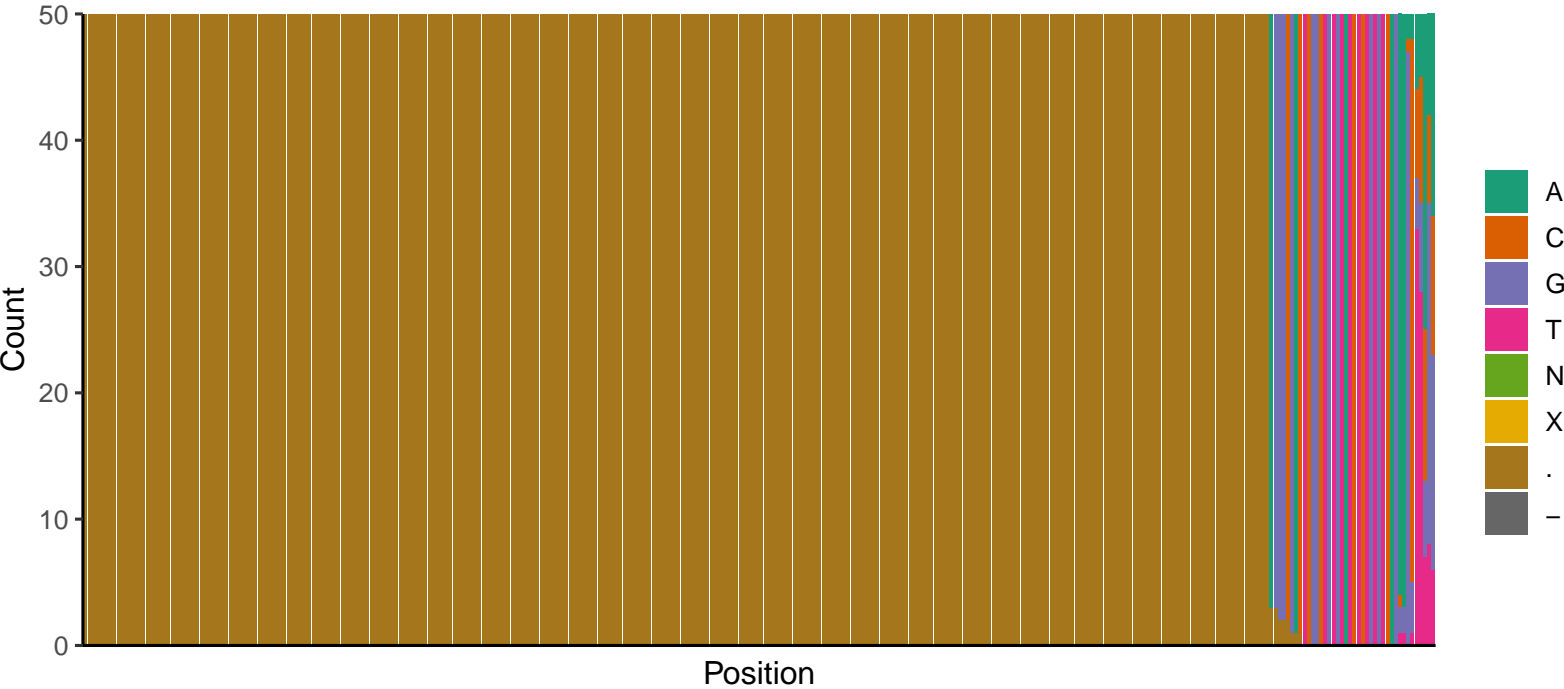
Gene TRBV7-1\*ap01\_G291C\_T296C



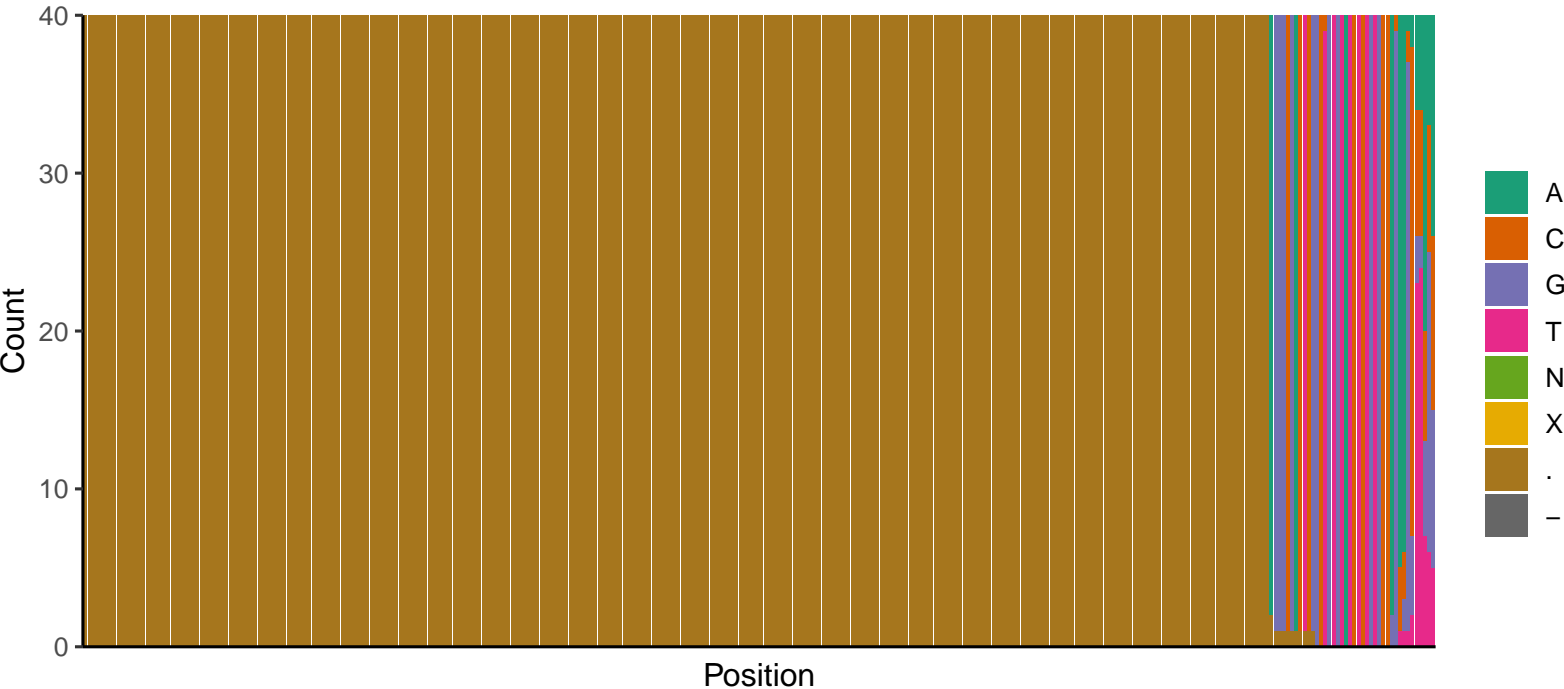
Gene TRBV7-7\*ap01\_C315T



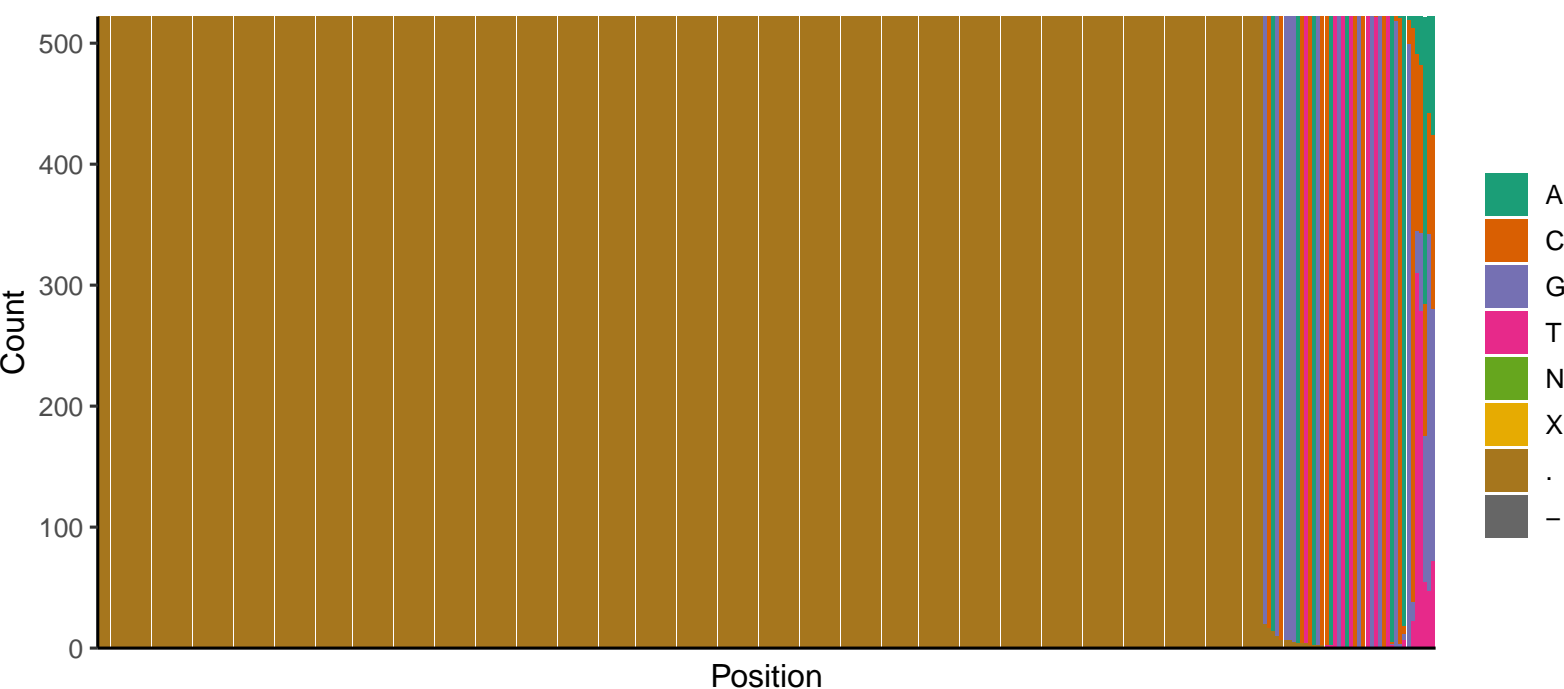
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



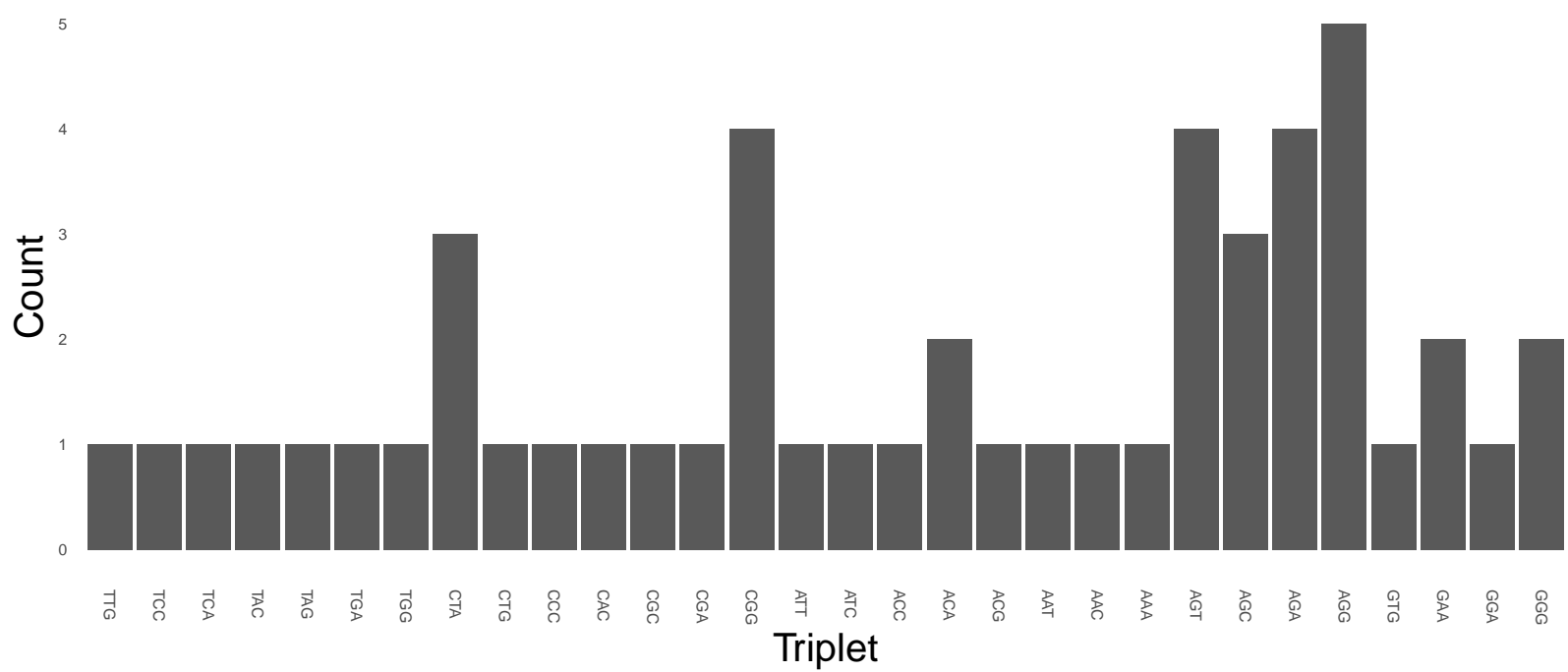
Gene TRBV7-1\*ap01\_G291C\_T296C



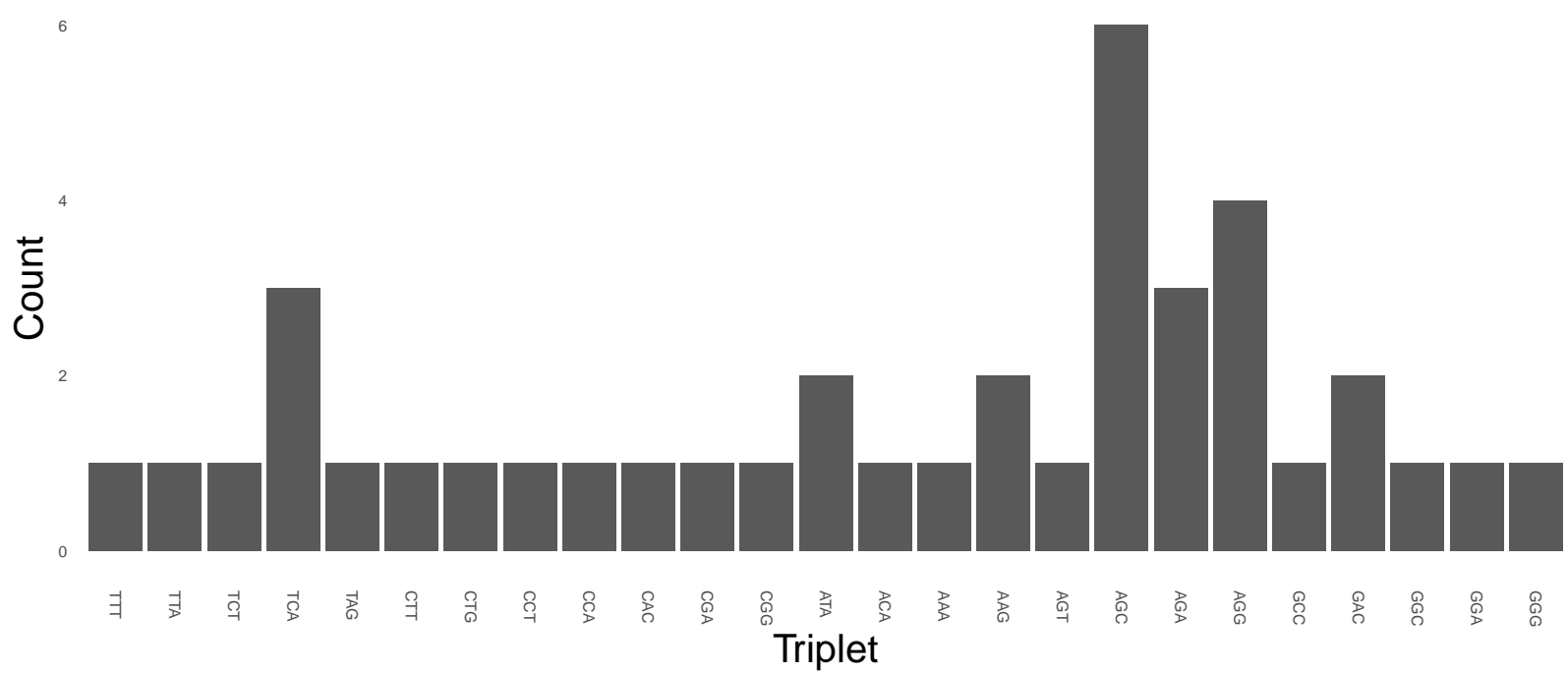
Gene TRBV7-7\*ap01\_C315T



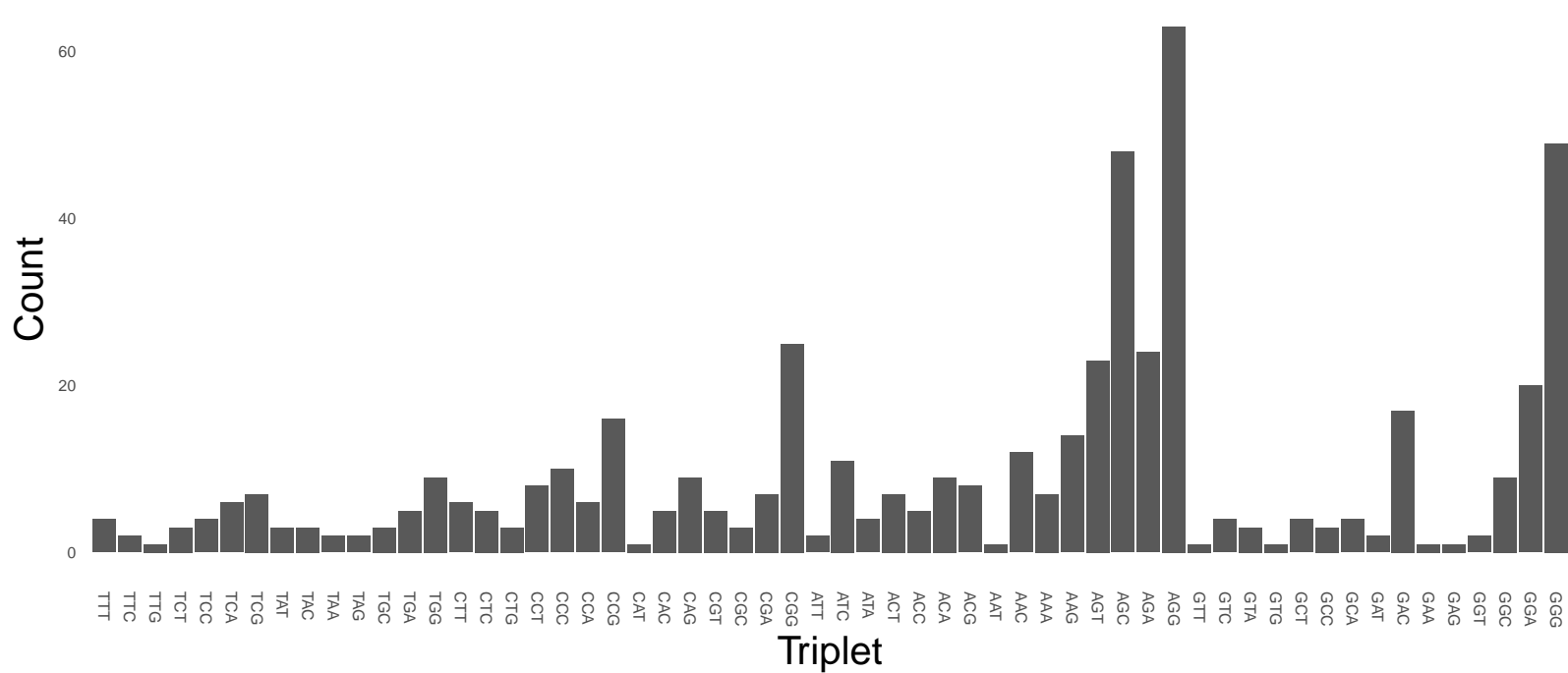
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

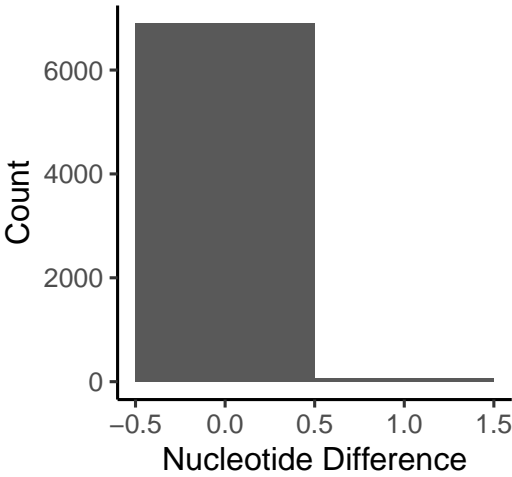


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



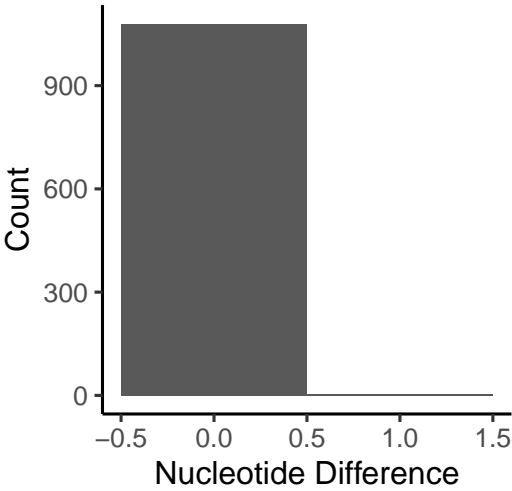
TRBV20-1\*ap01

6957 sequences assigned  
6898 (99.2%) exact matches, in which:  
6860 unique CDR3  
13 unique J



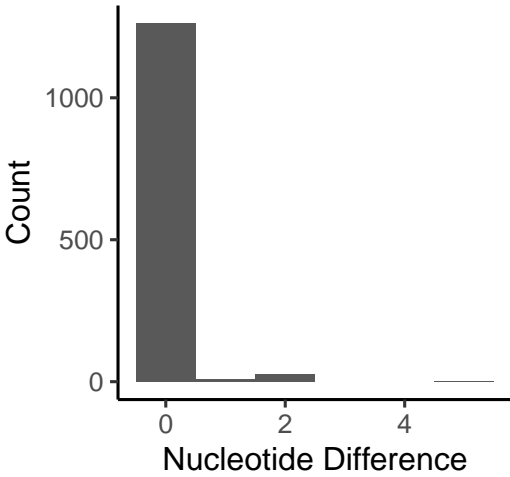
TRBV10-2\*ap01

1084 sequences assigned  
1080 (99.6%) exact matches, in which:  
1073 unique CDR3  
13 unique J



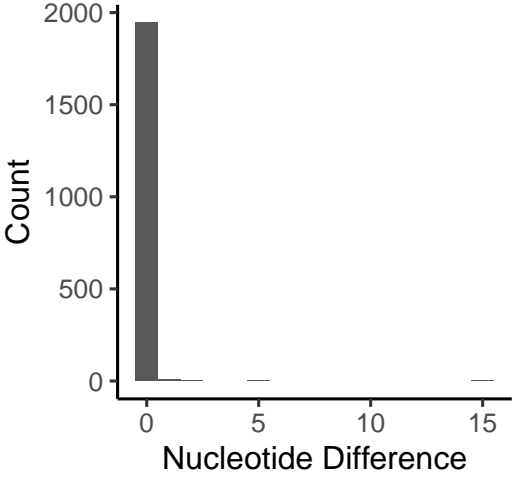
TRBV13\*ap01

1301 sequences assigned  
1262 (97%) exact matches, in which:  
1238 unique CDR3  
13 unique J



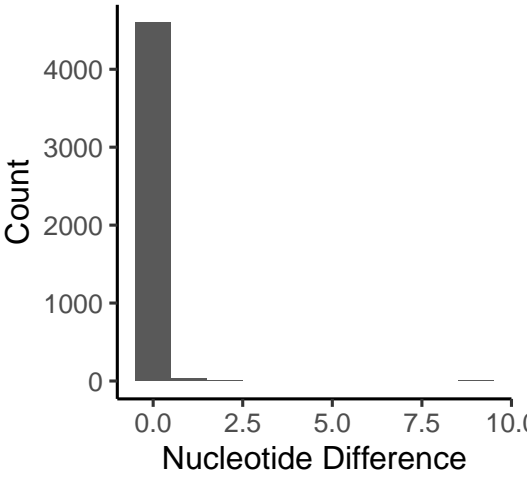
TRBV10-1\*ap01

1958 sequences assigned  
1945 (99.3%) exact matches, in which:  
1928 unique CDR3  
13 unique J



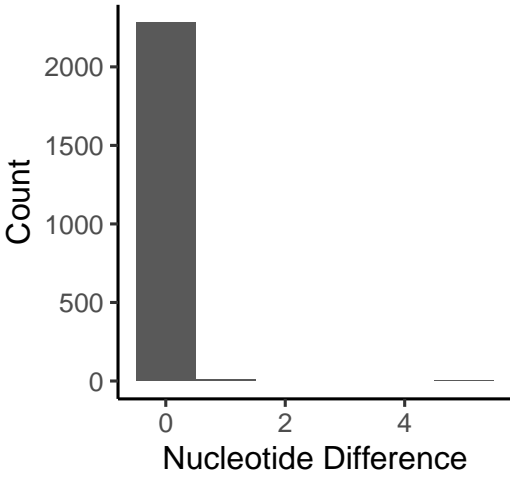
TRBV10-3\*ap01

4631 sequences assigned  
4597 (99.3%) exact matches, in which:  
4565 unique CDR3  
13 unique J



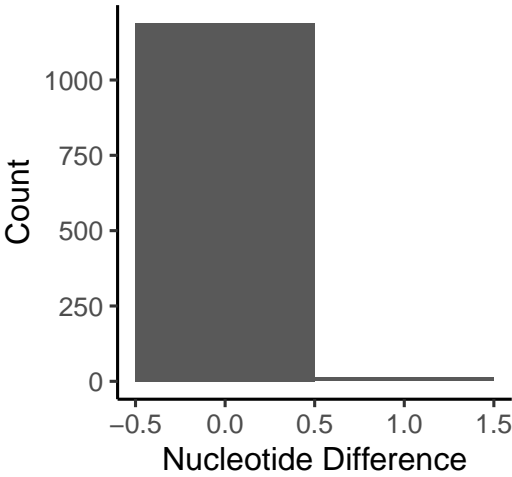
TRBV14\*ap01

2289 sequences assigned  
2281 (99.7%) exact matches, in which:  
2272 unique CDR3  
13 unique J



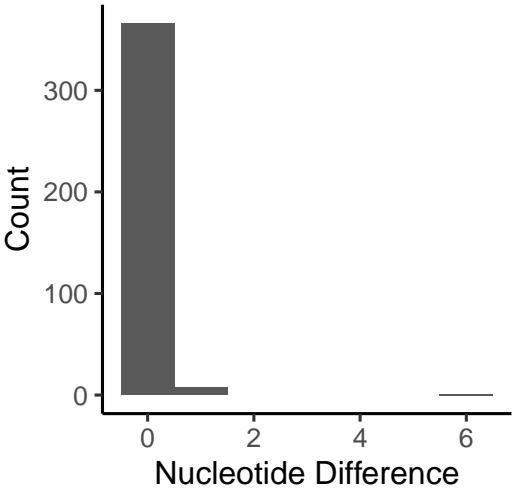
TRBV20-1\*ap02

1202 sequences assigned  
1189 (98.9%) exact matches, in which:  
1186 unique CDR3  
13 unique J



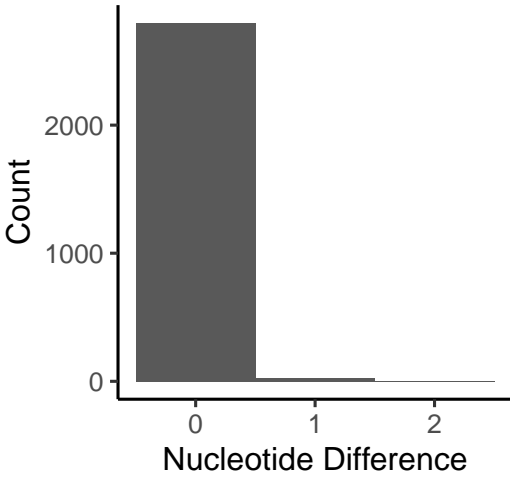
TRBV1\*ap01

374 sequences assigned  
366 (97.9%) exact matches, in which:  
360 unique CDR3  
13 unique J



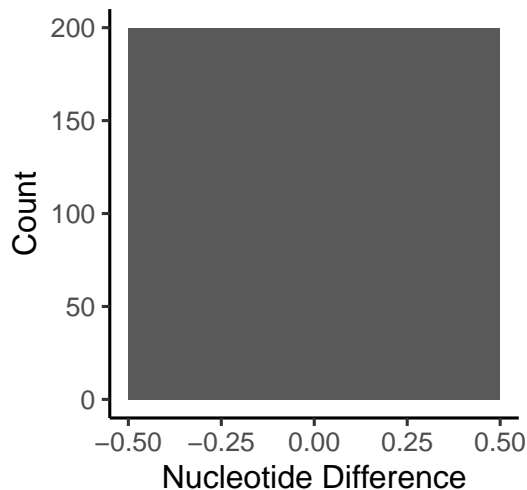
TRBV15\*ap02

2822 sequences assigned  
2797 (99.1%) exact matches, in which:  
2767 unique CDR3  
13 unique J



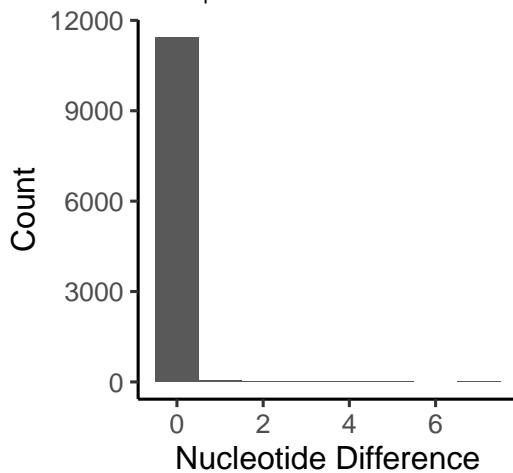
### TRBV16\*ap01

200 sequences assigned  
200 (100%) exact matches, in which:  
199 unique CDR3  
13 unique J



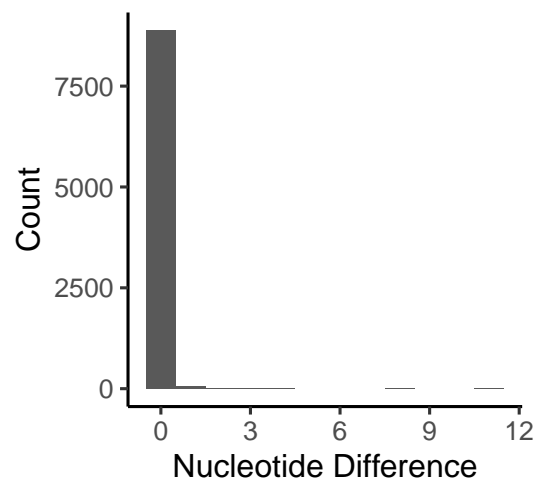
### TRBV19\*ap01

11519 sequences assigned  
11443 (99.3%) exact matches, in which:  
11404 unique CDR3  
13 unique J



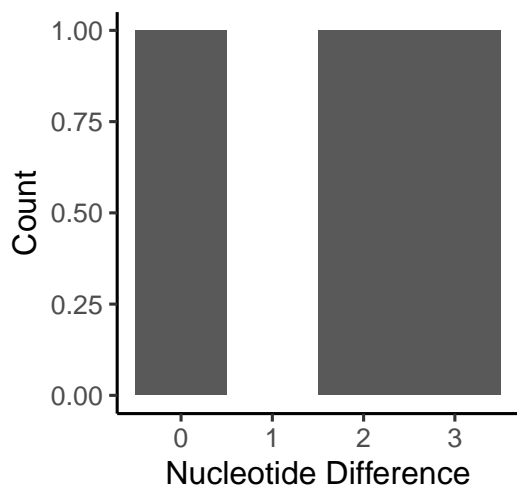
### TRBV27\*ap01

8957 sequences assigned  
8881 (99.2%) exact matches, in which:  
8815 unique CDR3  
13 unique J



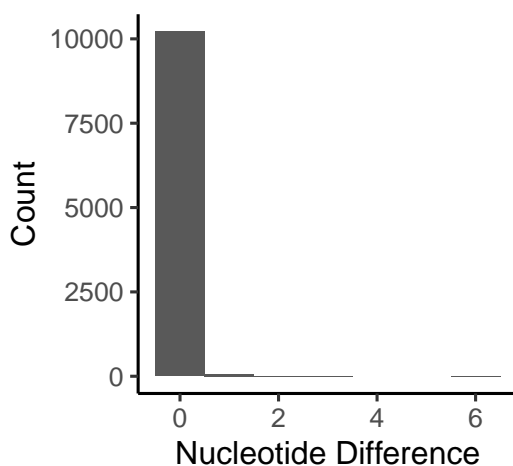
### TRBV17\*ap01

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



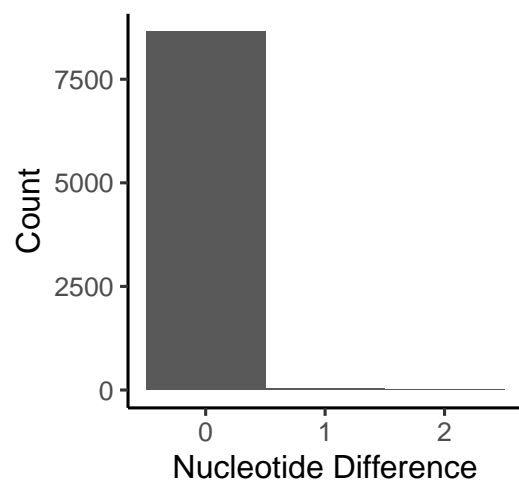
### TRBV2\*ap01

10295 sequences assigned  
10219 (99.3%) exact matches, in which:  
10142 unique CDR3  
13 unique J



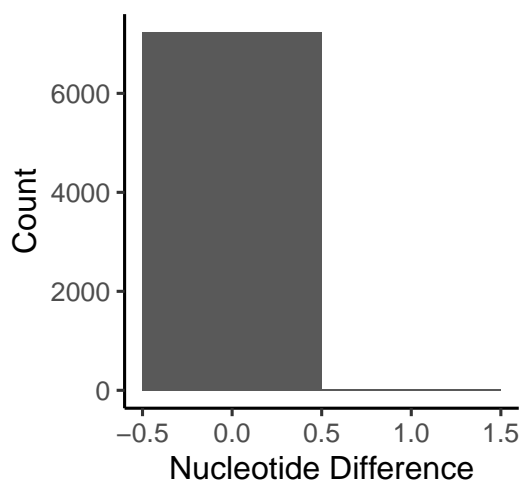
### TRBV28\*ap01

8696 sequences assigned  
8647 (99.4%) exact matches, in which:  
8594 unique CDR3  
13 unique J



### TRBV18\*ap01

7271 sequences assigned  
7239 (99.6%) exact matches, in which:  
7205 unique CDR3  
13 unique J



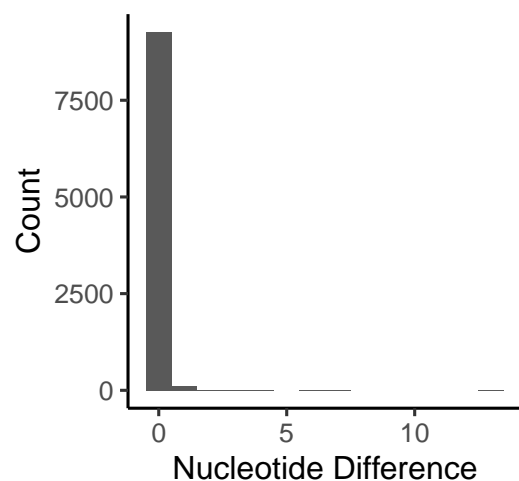
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



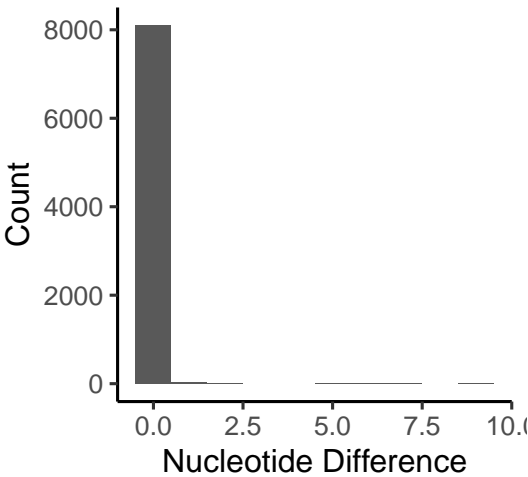
### TRBV30\*ap01

9389 sequences assigned  
9264 (98.7%) exact matches, in which:  
9121 unique CDR3  
13 unique J



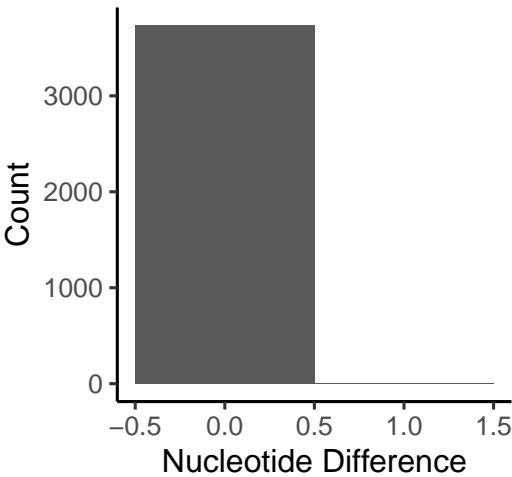
TRBV9\*ap01

8148 sequences assigned  
8099 (99.4%) exact matches, in which:  
8039 unique CDR3  
13 unique J



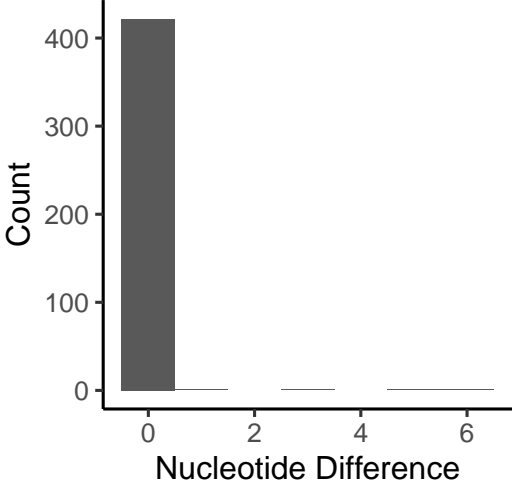
TRBV11-2\*ap01

3743 sequences assigned  
3734 (99.8%) exact matches, in which:  
3717 unique CDR3  
13 unique J



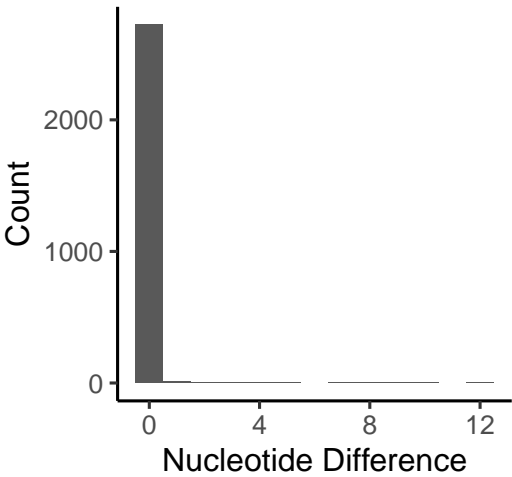
TRBV12-2\*ap01

426 sequences assigned  
422 (99.1%) exact matches, in which:  
419 unique CDR3  
13 unique J



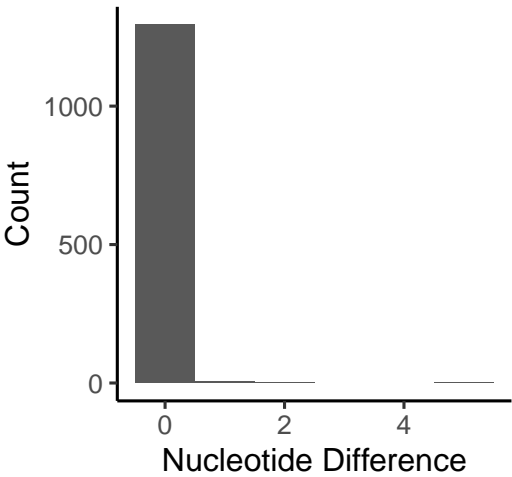
TRBV21-1\*ap01

2758 sequences assigned  
2723 (98.7%) exact matches, in which:  
2706 unique CDR3  
13 unique J



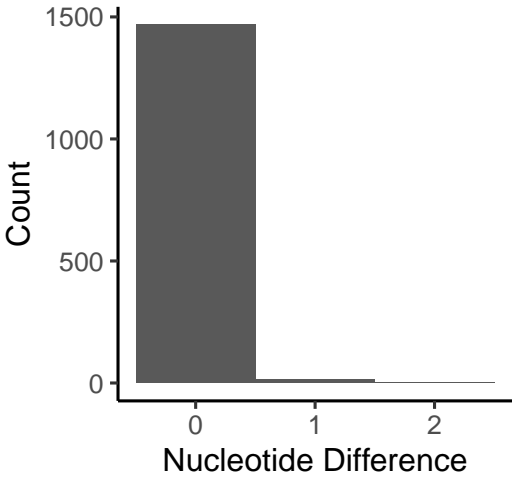
TRBV11-3\*ap01

1301 sequences assigned  
1294 (99.5%) exact matches, in which:  
1288 unique CDR3  
13 unique J



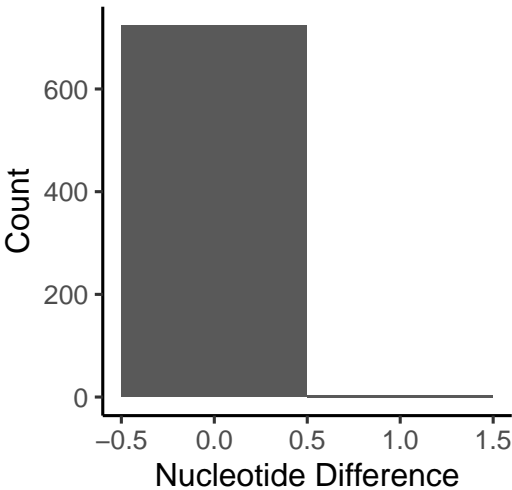
TRBV12-5\*ap01

1482 sequences assigned  
1468 (99.1%) exact matches, in which:  
1453 unique CDR3  
13 unique J



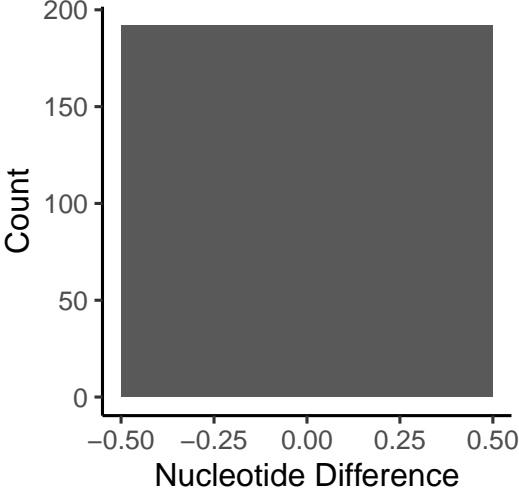
TRBV11-1\*ap01

728 sequences assigned  
724 (99.5%) exact matches, in which:  
721 unique CDR3  
13 unique J



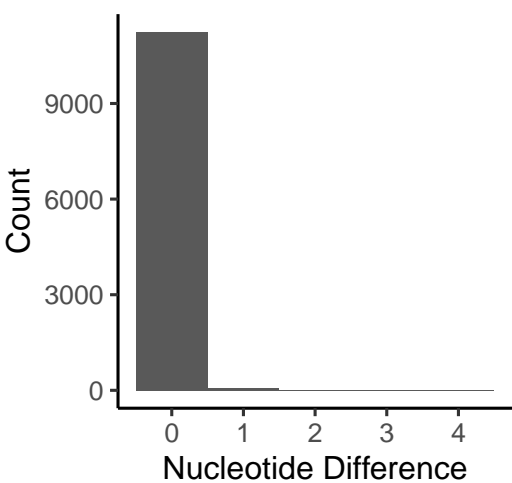
TRBV12-1\*ap01

192 sequences assigned  
192 (100%) exact matches, in which:  
192 unique CDR3  
13 unique J



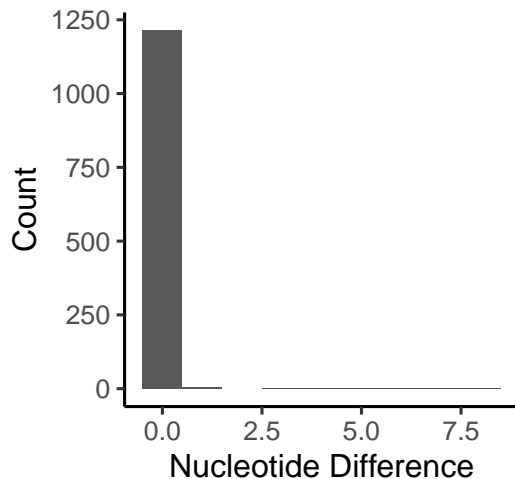
TRBV12-34\*ap01

11324 sequences assigned  
11242 (99.3%) exact matches, in which:  
11163 unique CDR3  
13 unique J



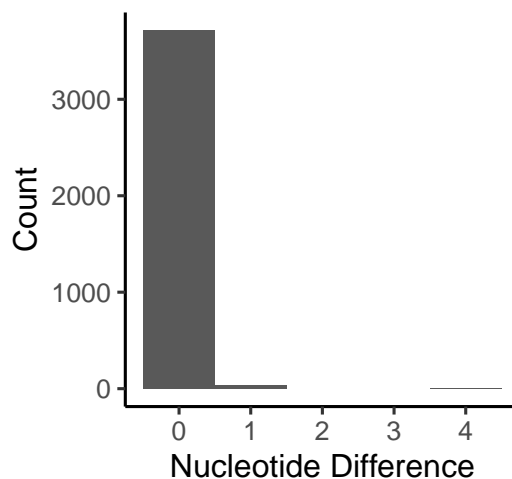
### TRBV23–1\*ap01

1228 sequences assigned  
1214 (98.9%) exact matches, in which:  
1204 unique CDR3  
13 unique J



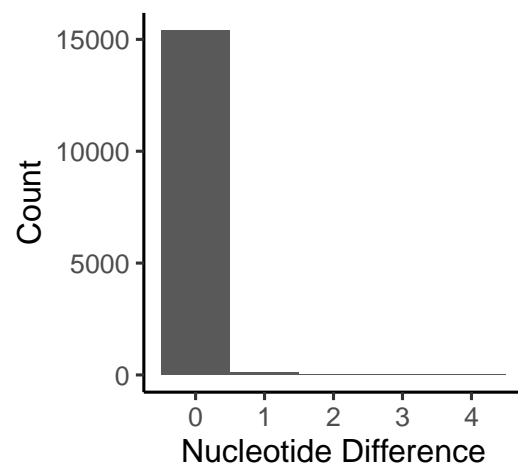
### TRBV24–1\*ap01

3755 sequences assigned  
3714 (98.9%) exact matches, in which:  
3679 unique CDR3  
13 unique J



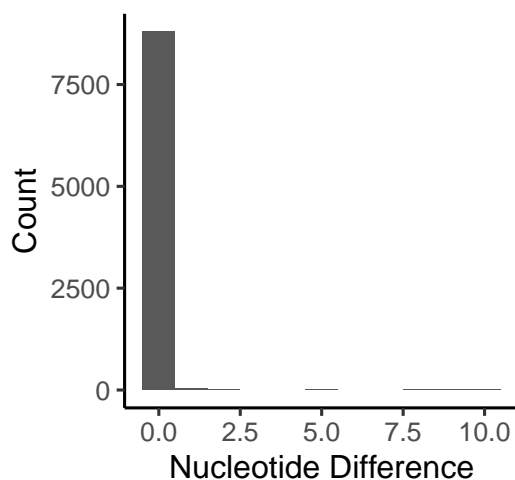
### TRBV5–1\*ap01

15525 sequences assigned  
15413 (99.3%) exact matches, in which:  
15203 unique CDR3  
13 unique J



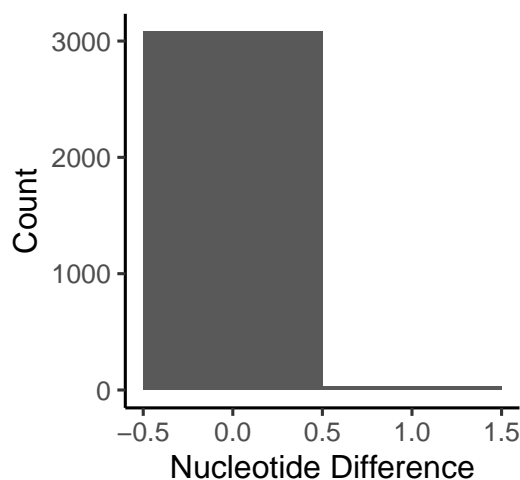
### TRBV3–12\*ap01

8836 sequences assigned  
8796 (99.5%) exact matches, in which:  
8756 unique CDR3  
13 unique J



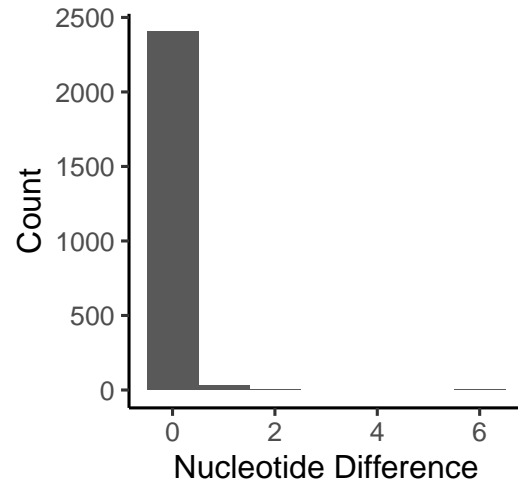
### TRBV4–2\*ap01

3108 sequences assigned  
3080 (99.1%) exact matches, in which:  
3039 unique CDR3  
13 unique J



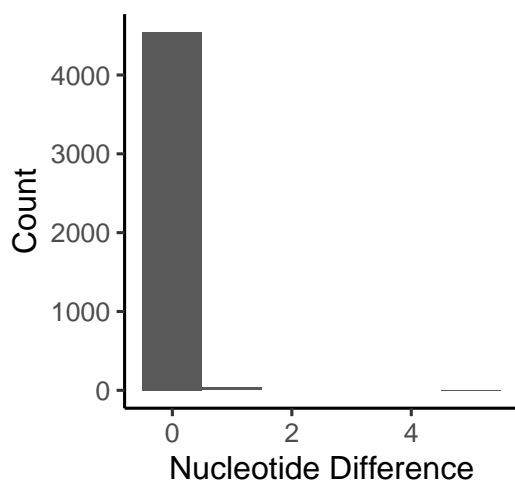
### TRBV25–1\*ap01

2440 sequences assigned  
2404 (98.5%) exact matches, in which:  
2374 unique CDR3  
13 unique J



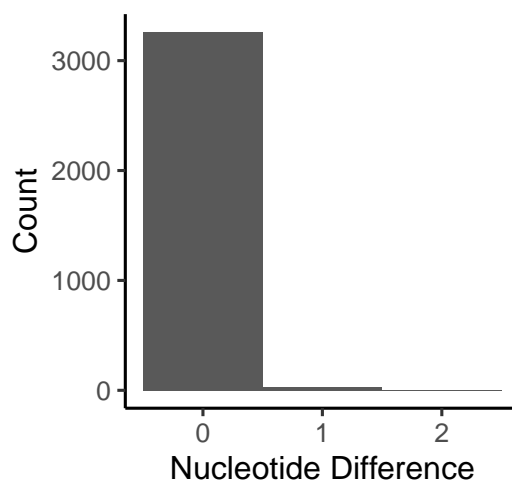
### TRBV4–1\*ap01

4580 sequences assigned  
4545 (99.2%) exact matches, in which:  
4474 unique CDR3  
13 unique J



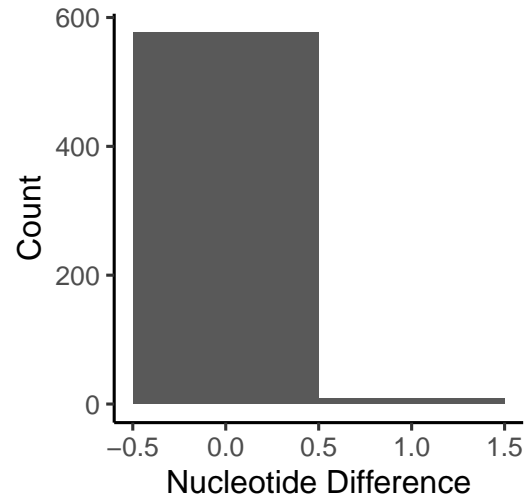
### TRBV4–3\*ap01

3293 sequences assigned  
3260 (99%) exact matches, in which:  
3218 unique CDR3  
13 unique J



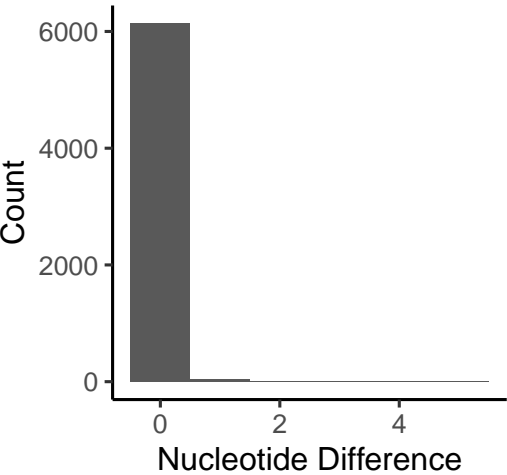
### TRBV5–3\*ap01

585 sequences assigned  
577 (98.6%) exact matches, in which:  
573 unique CDR3  
13 unique J



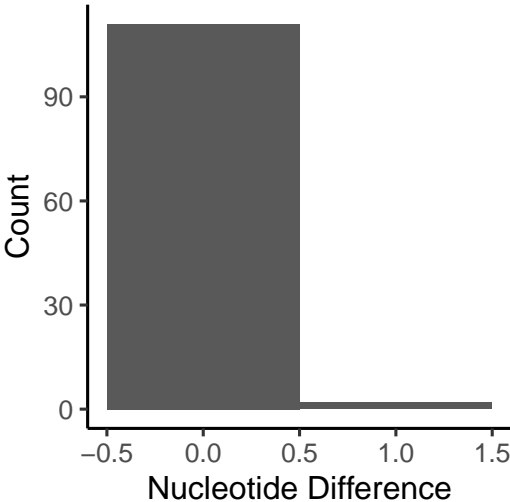
TRBV5-4\*ap01

6195 sequences assigned  
6138 (99.1%) exact matches, in which:  
6079 unique CDR3  
13 unique J



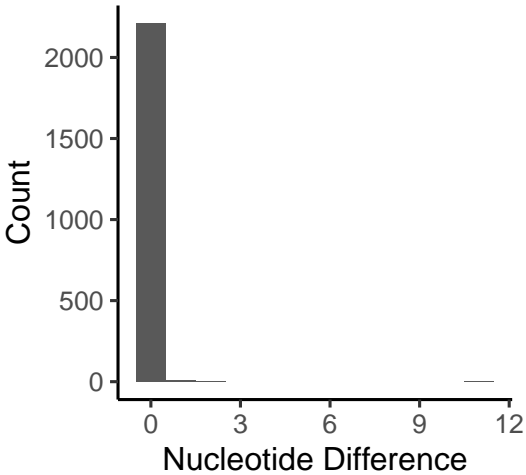
TRBV5-7\*ap01

113 sequences assigned  
111 (98.2%) exact matches, in which:  
110 unique CDR3  
13 unique J



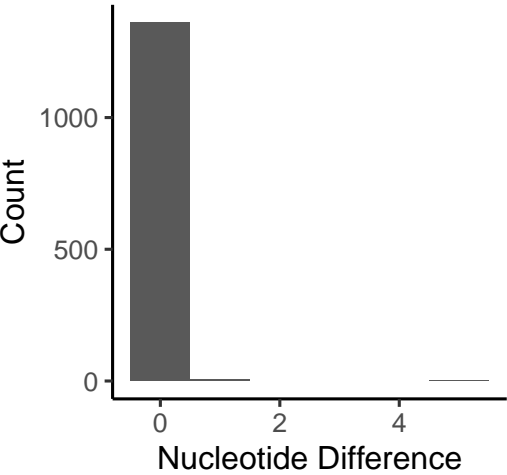
TRBV6-4\*ap01

2227 sequences assigned  
2210 (99.2%) exact matches, in which:  
2187 unique CDR3  
13 unique J



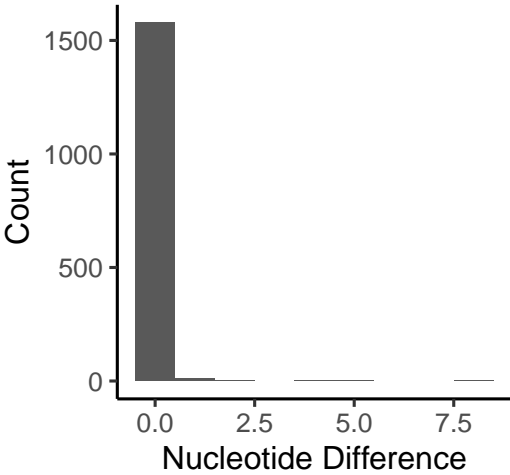
TRBV5-5\*ap01

1366 sequences assigned  
1360 (99.6%) exact matches, in which:  
1353 unique CDR3  
13 unique J



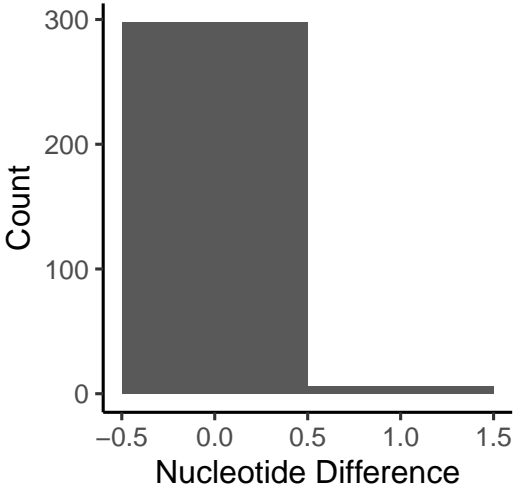
TRBV5-8\*ap01

1596 sequences assigned  
1578 (98.9%) exact matches, in which:  
1569 unique CDR3  
13 unique J



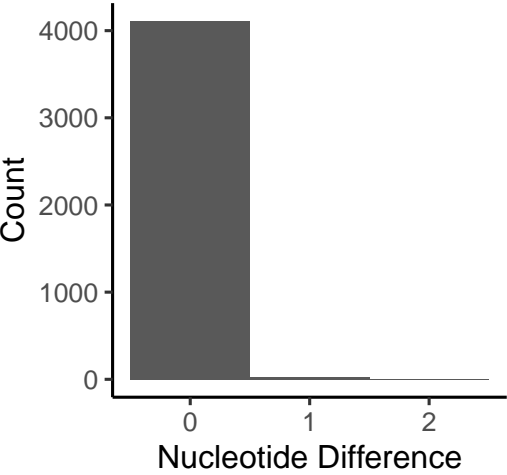
TRBV6-7\*ap01

304 sequences assigned  
298 (98%) exact matches, in which:  
296 unique CDR3  
12 unique J



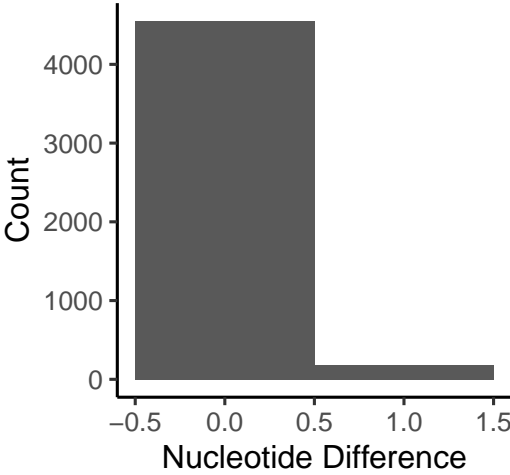
TRBV5-6\*ap01

4140 sequences assigned  
4110 (99.3%) exact matches, in which:  
3998 unique CDR3  
13 unique J



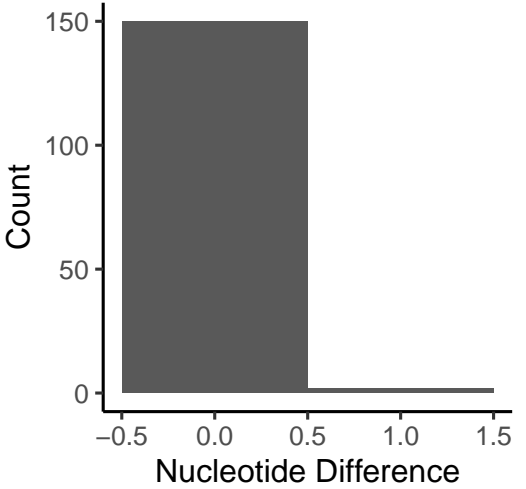
TRBV6-1\*ap01

4735 sequences assigned  
4550 (96.1%) exact matches, in which:  
4486 unique CDR3  
13 unique J



TRBV6-8\*ap01

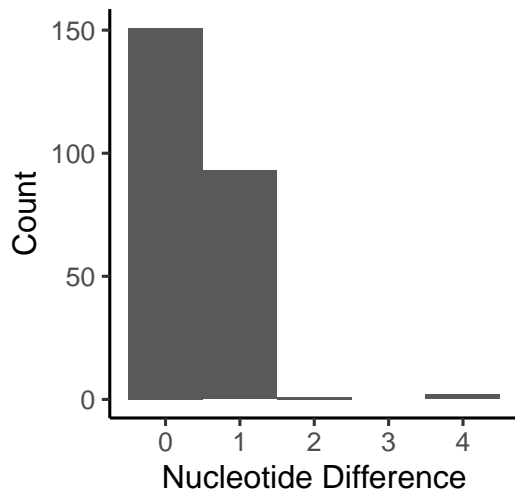
152 sequences assigned  
150 (98.7%) exact matches, in which:  
150 unique CDR3  
13 unique J





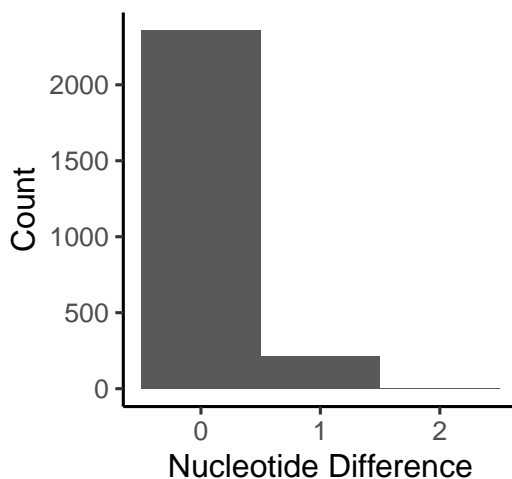
### TRBV6–9\*ap01

247 sequences assigned  
151 (61.1%) exact matches, in which:  
148 unique CDR3  
12 unique J



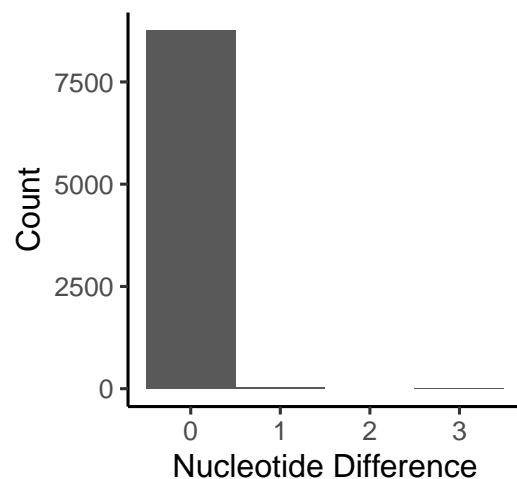
### TRBV6–56\*ap02

2571 sequences assigned  
2358 (91.7%) exact matches, in which:  
2322 unique CDR3  
13 unique J



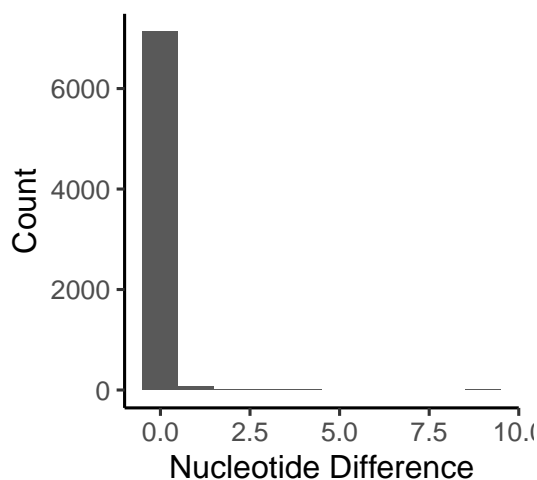
### TRBV7–2\*ap01

8807 sequences assigned  
8760 (99.5%) exact matches, in which:  
8697 unique CDR3  
13 unique J



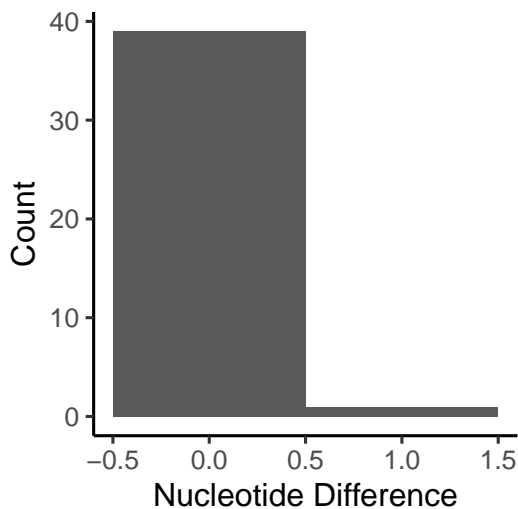
### TRBV6–23\*ap01

7211 sequences assigned  
7131 (98.9%) exact matches, in which:  
7027 unique CDR3  
13 unique J



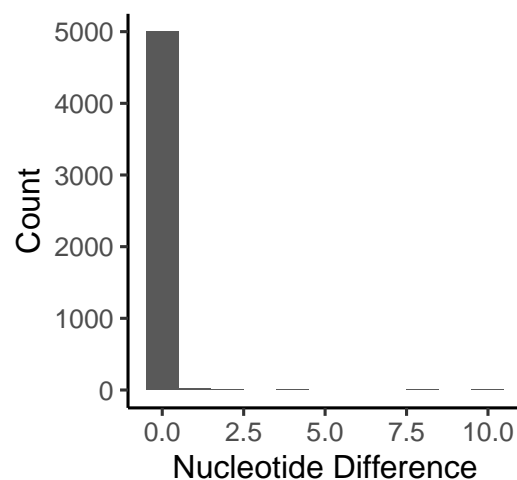
### TRBV7–1\*ap01\_G291C\_T

40 sequences assigned  
39 (97.5%) exact matches, in which:  
39 unique CDR3  
11 unique J



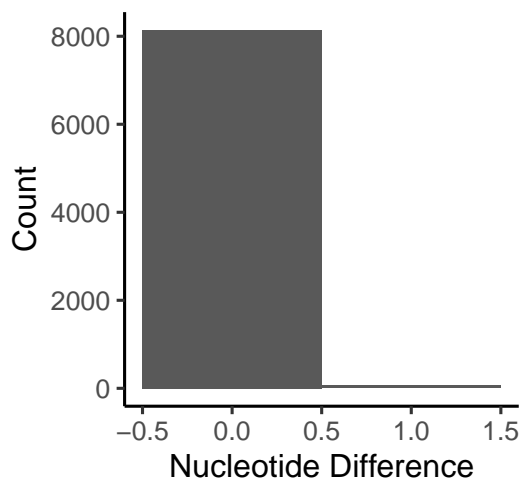
### TRBV7–3\*ap01

5029 sequences assigned  
4999 (99.4%) exact matches, in which:  
4969 unique CDR3  
13 unique J



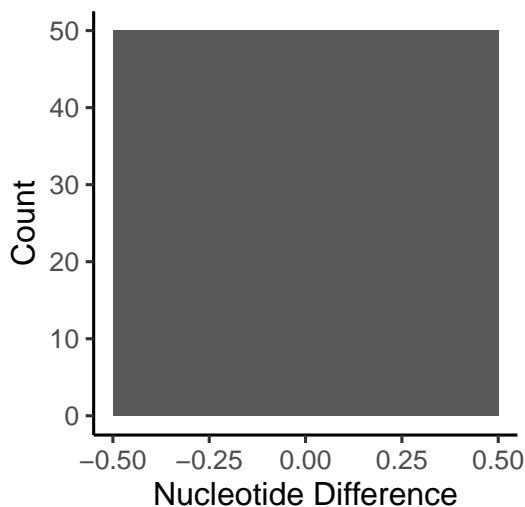
### TRBV6–56\*ap01

8208 sequences assigned  
8141 (99.2%) exact matches, in which:  
8007 unique CDR3  
13 unique J



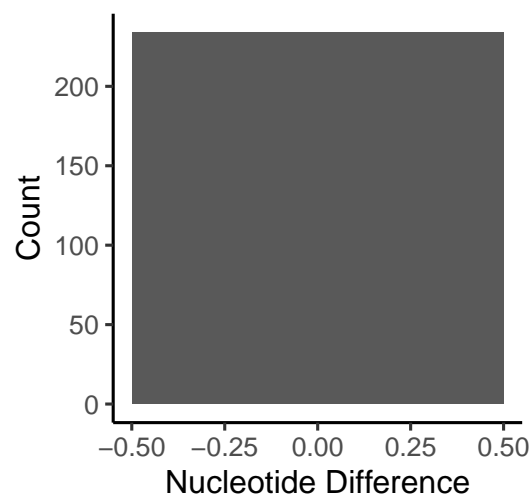
### TRBV7–1\*ap01\_G291C\_T

50 sequences assigned  
50 (100%) exact matches, in which:  
50 unique CDR3  
12 unique J



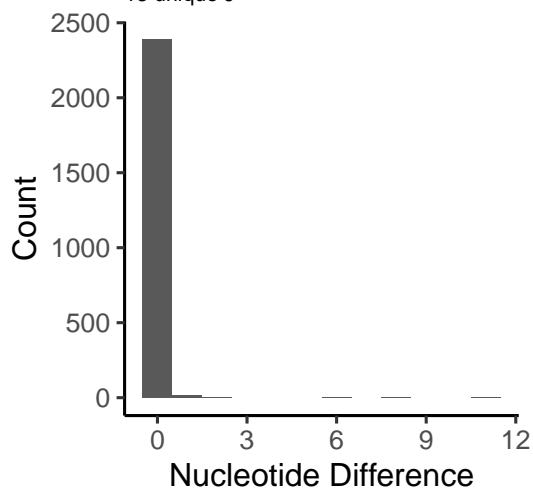
### TRBV7–4\*ap01

234 sequences assigned  
234 (100%) exact matches, in which:  
229 unique CDR3  
13 unique J



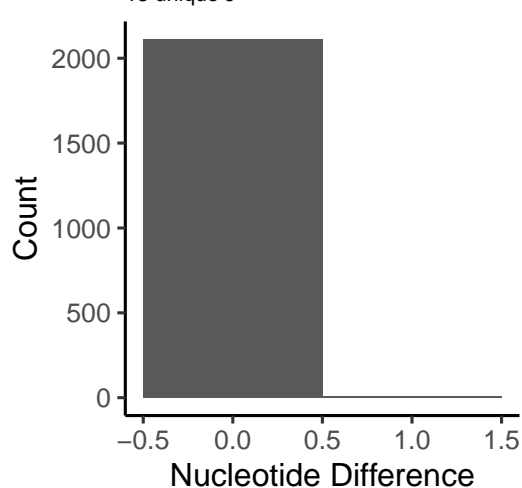
### TRBV7-6\*ap01

2409 sequences assigned  
2389 (99.2%) exact matches, in which:  
2366 unique CDR3  
13 unique J



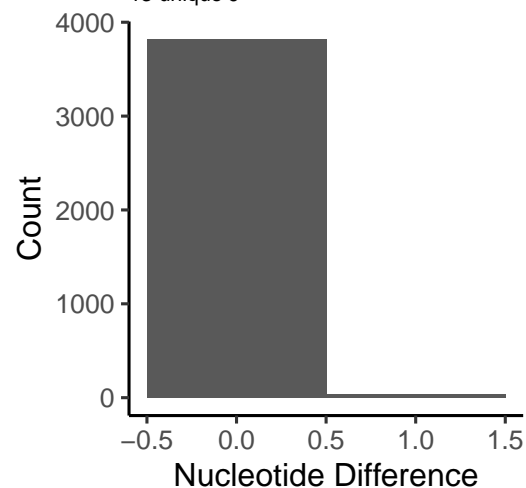
### TRBV7-8\*ap01

2122 sequences assigned  
2111 (99.5%) exact matches, in which:  
2097 unique CDR3  
13 unique J



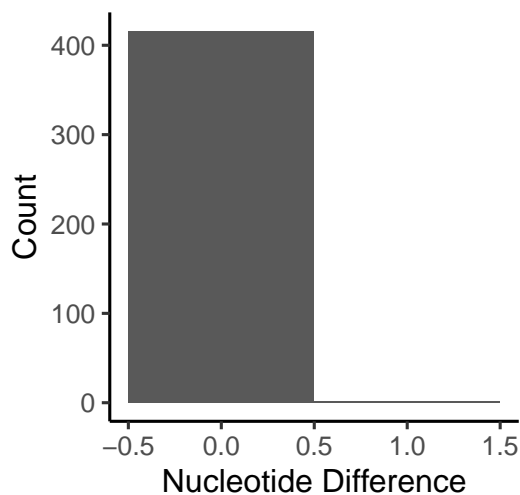
### TRBV29-1\*ap01

3853 sequences assigned  
3817 (99.1%) exact matches, in which:  
3751 unique CDR3  
13 unique J



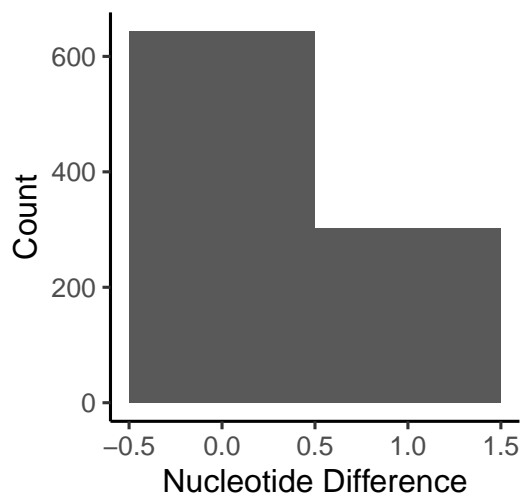
### TRBV7-7\*ap01

418 sequences assigned  
416 (99.5%) exact matches, in which:  
414 unique CDR3  
13 unique J



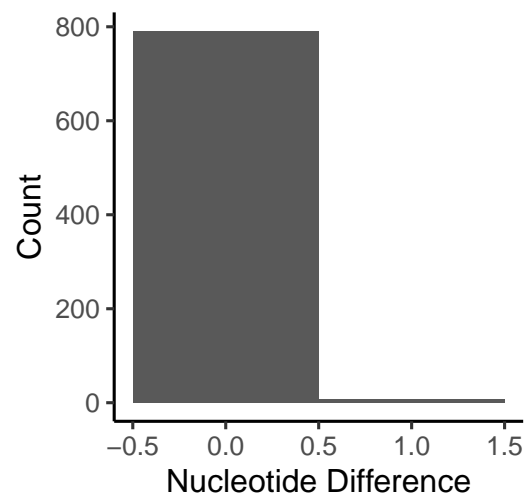
### TRBV7-8\*ap03

946 sequences assigned  
644 (68.1%) exact matches, in which:  
640 unique CDR3  
13 unique J



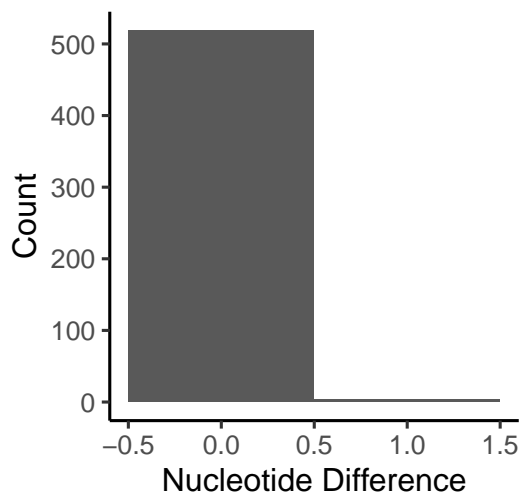
### TRBV29-1\*ap02

799 sequences assigned  
791 (99%) exact matches, in which:  
772 unique CDR3  
13 unique J



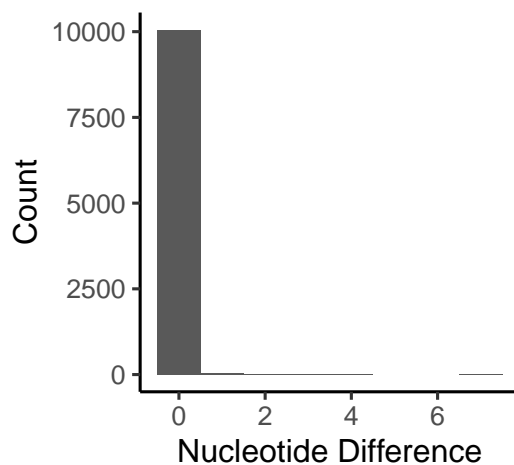
### TRBV7-7\*ap01\_C315T

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

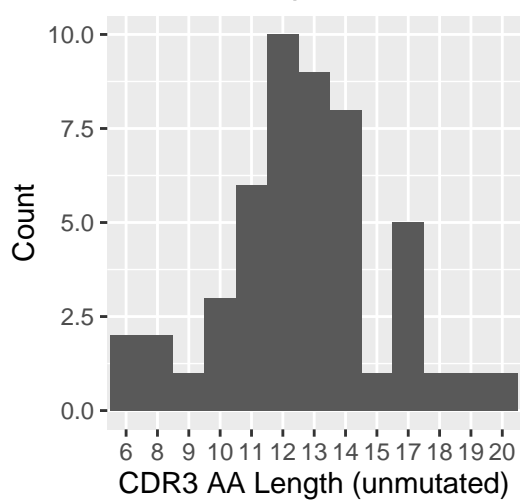


### TRBV7-9\*ap01

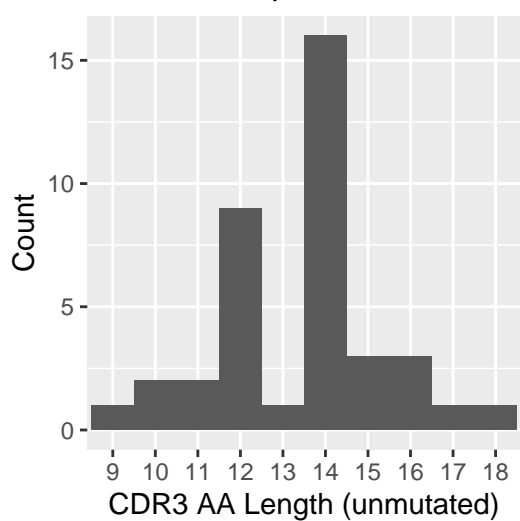
10112 sequences assigned  
10055 (99.4%) exact matches, in which:  
9992 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

