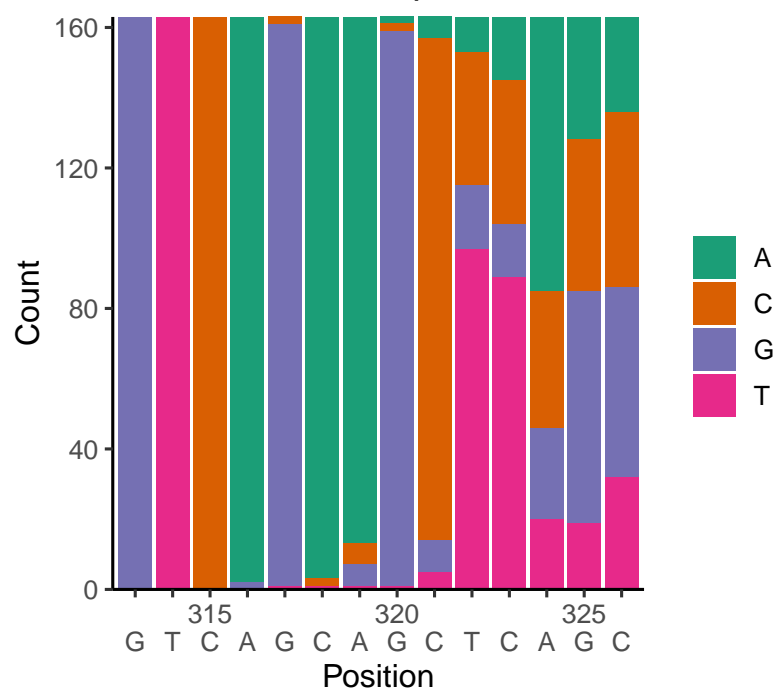
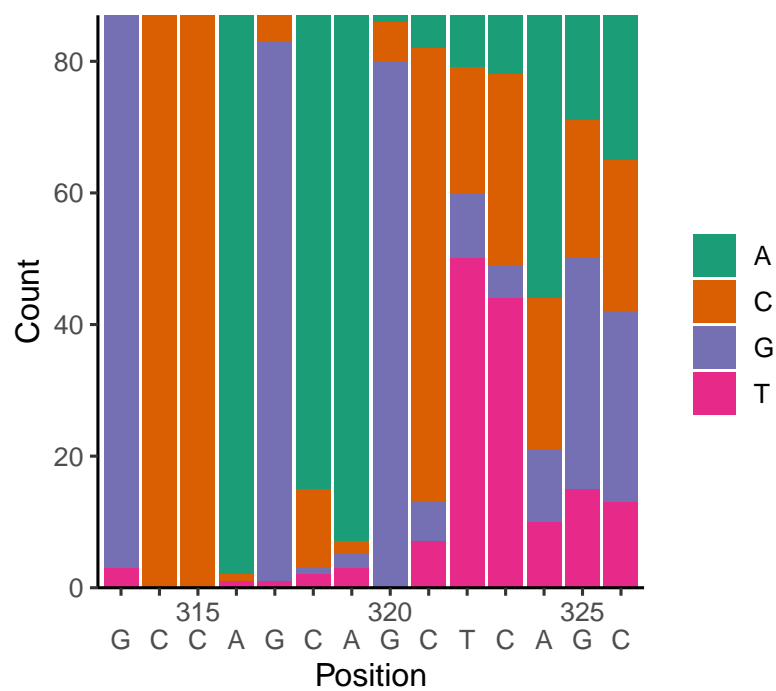


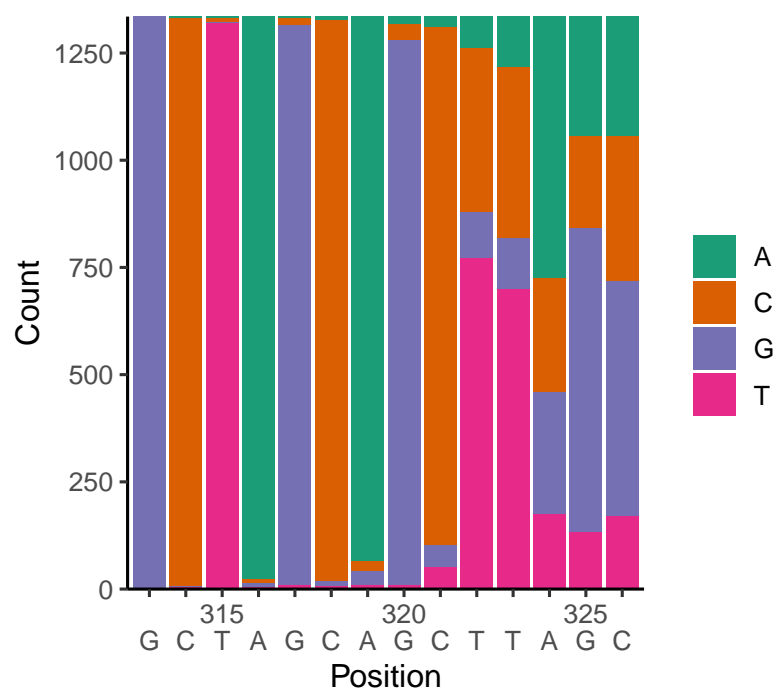
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



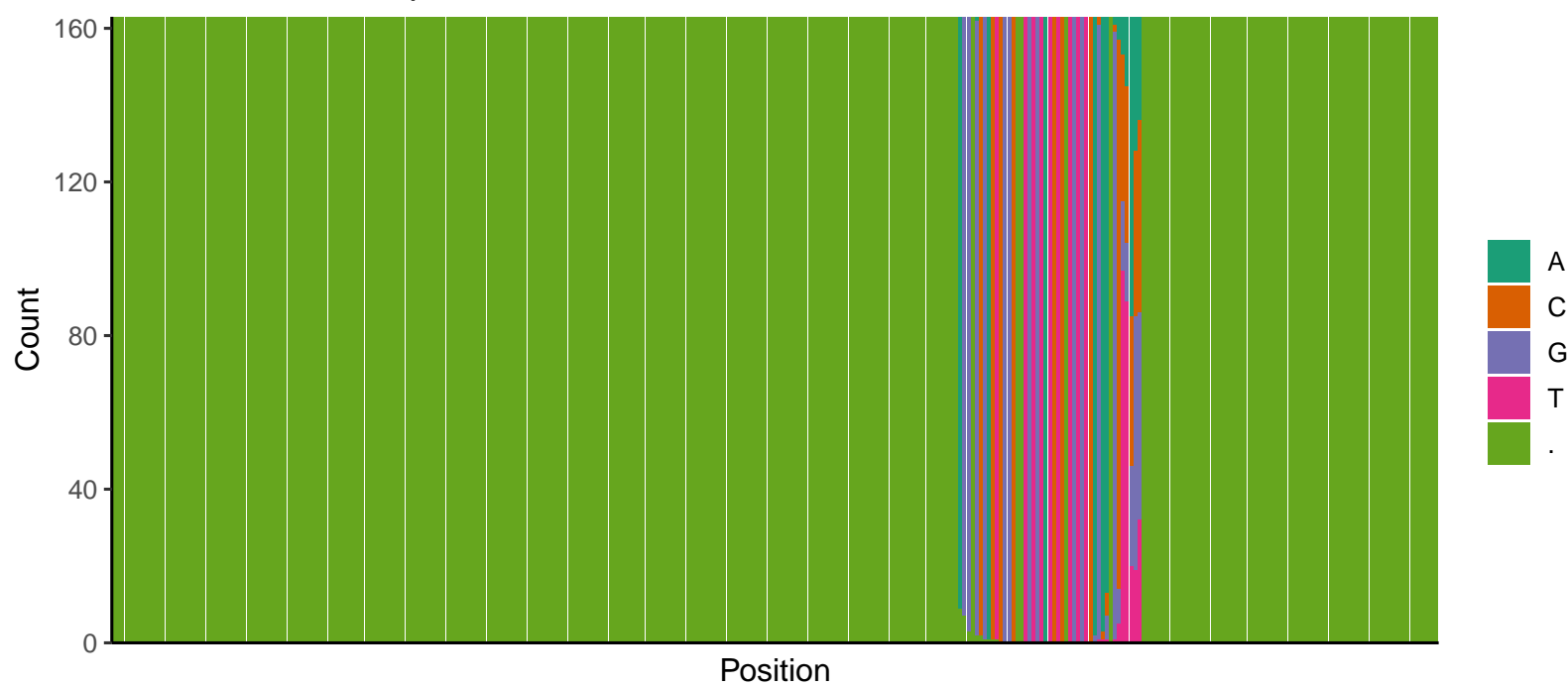
Gene TRBV7-1\*ap01\_G291C\_T296C



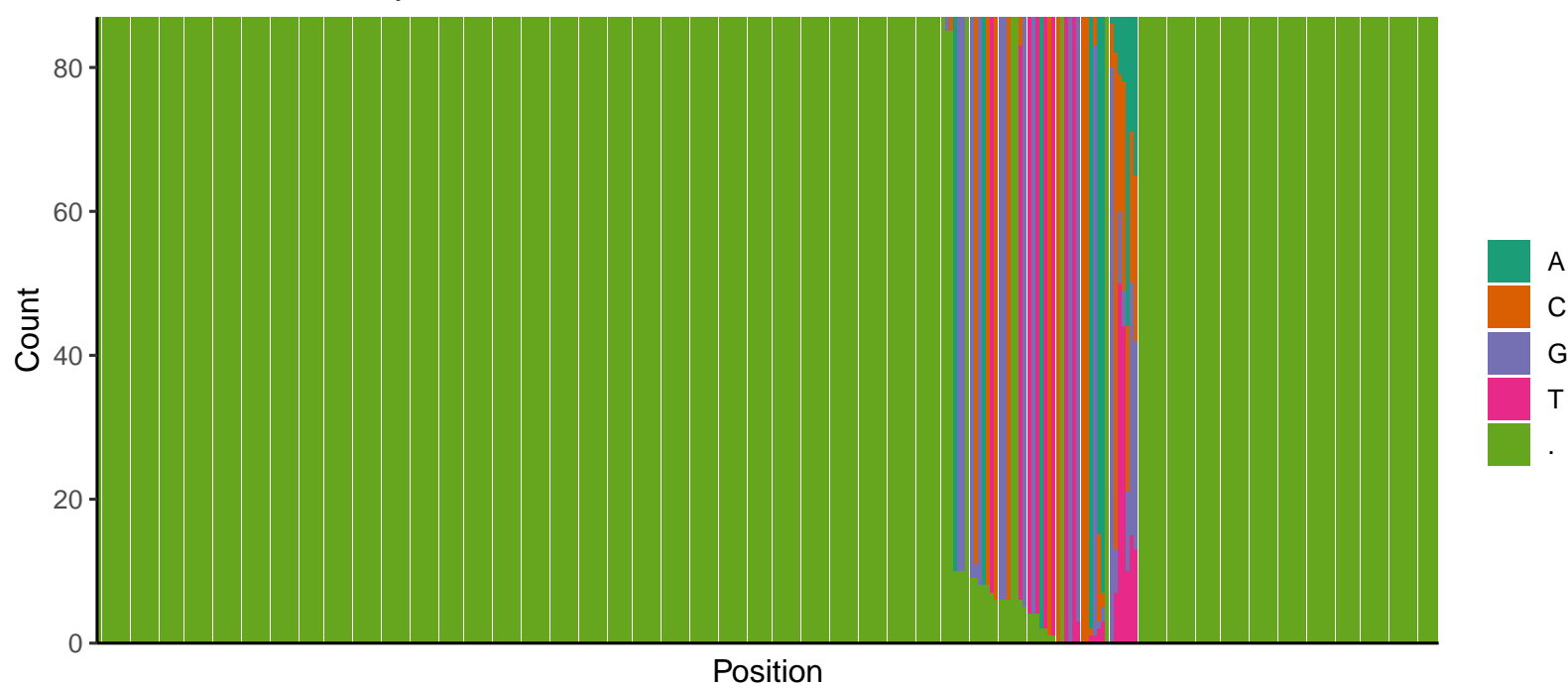
Gene TRBV7-7\*ap01\_C315T



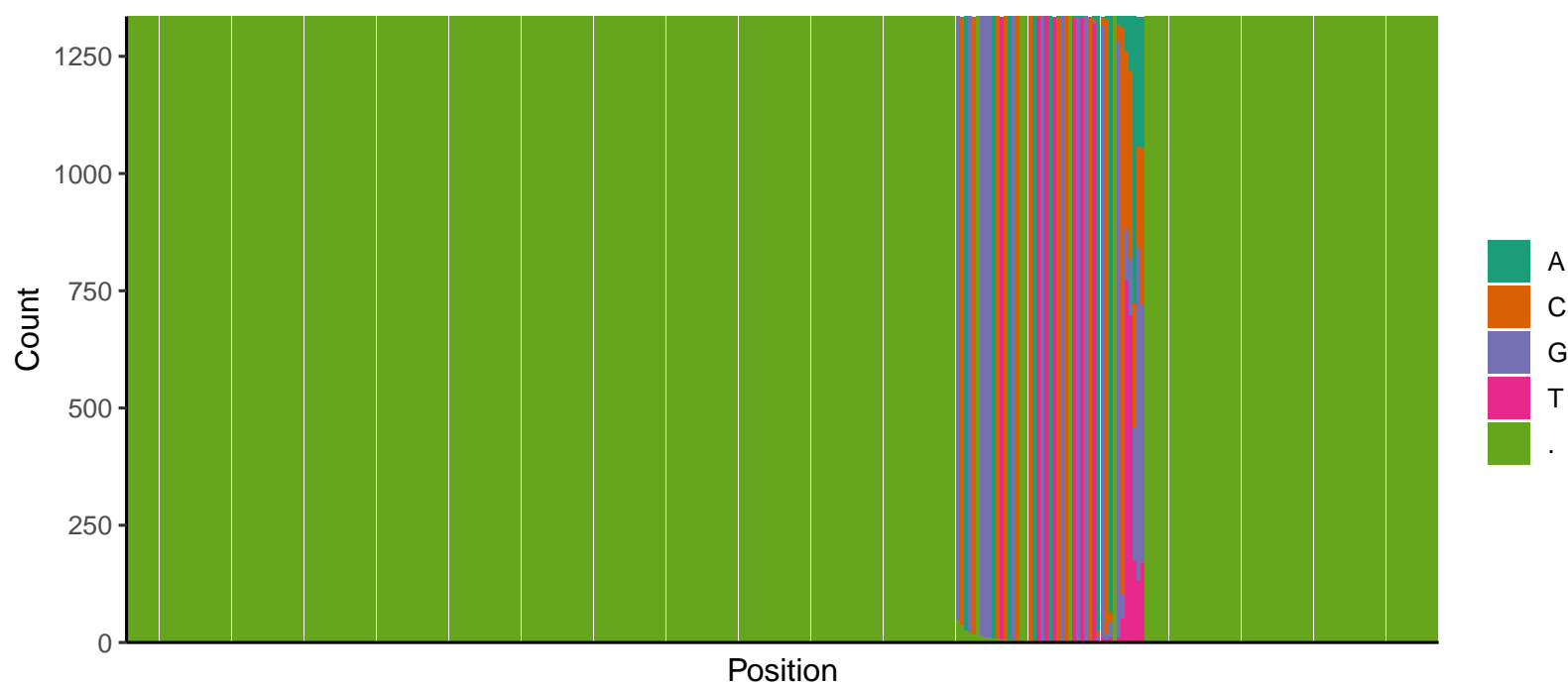
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



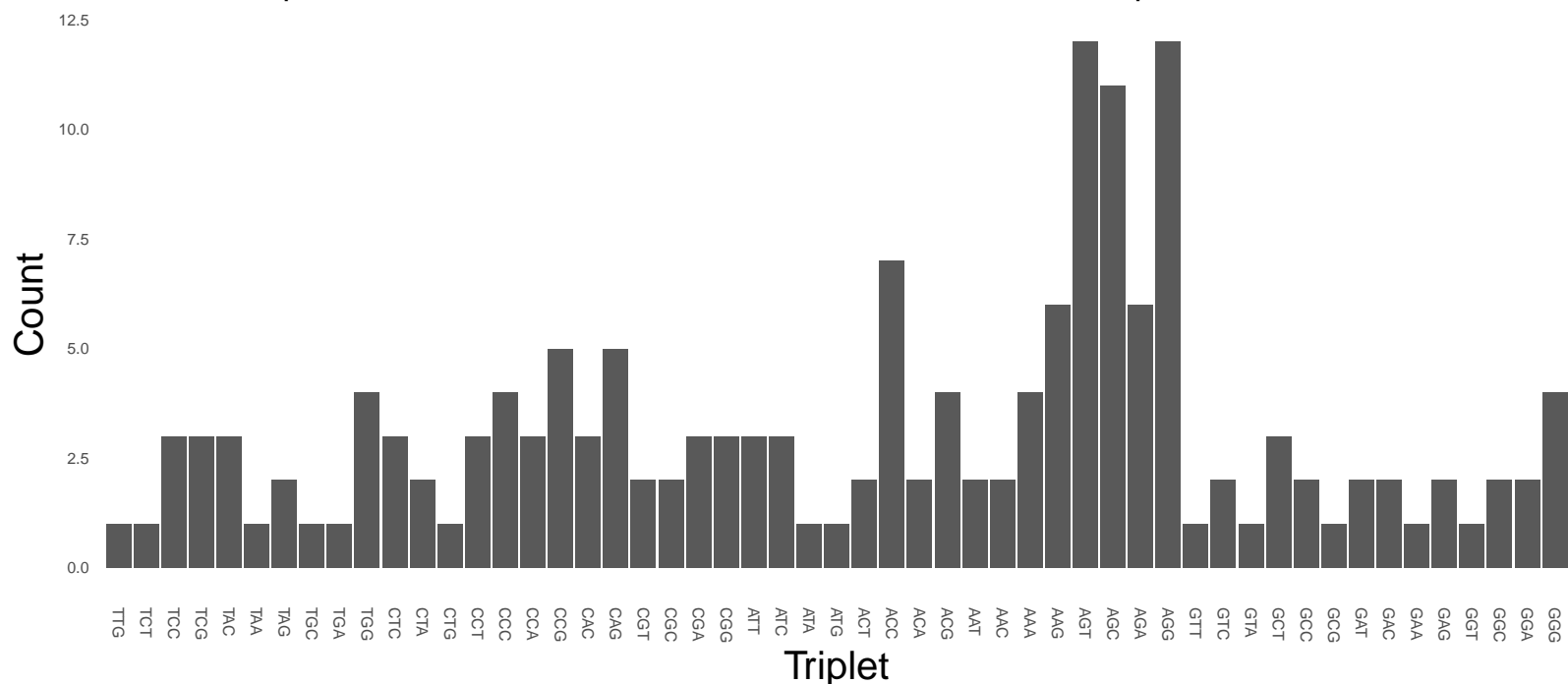
Gene TRBV7-1\*ap01\_G291C\_T296C



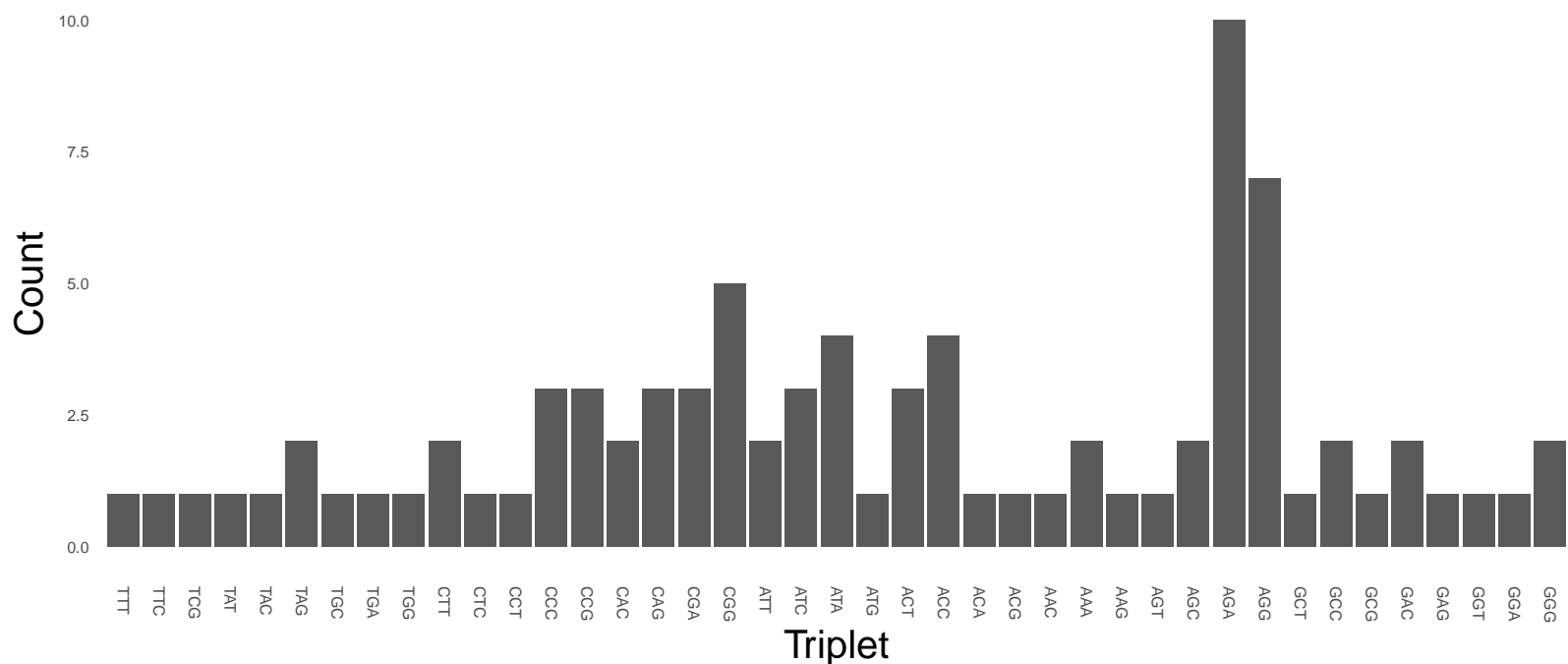
Gene TRBV7-7\*ap01\_C315T



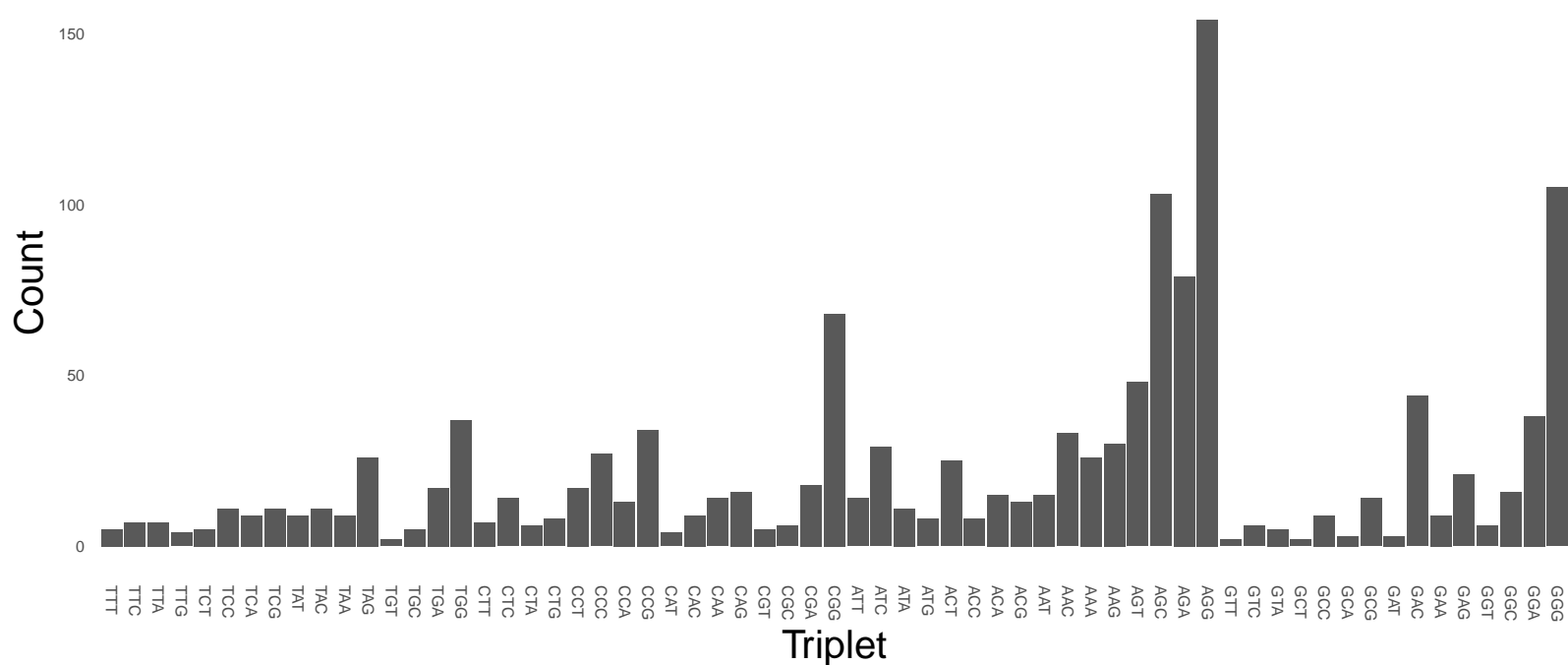
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

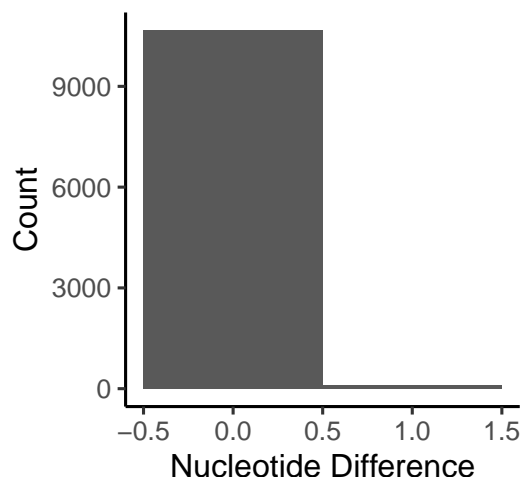


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



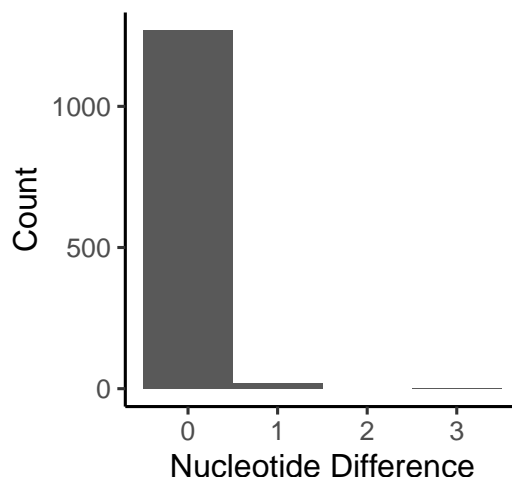
### TRBV20-1\*ap01

10784 sequences assigned  
10666 (98.9%) exact matches, in which:  
10512 unique CDR3  
14 unique J



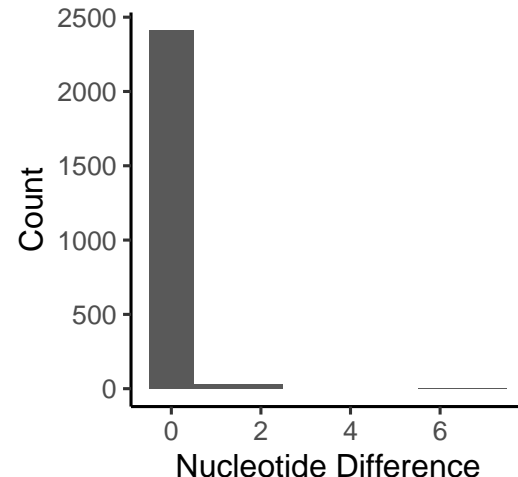
### TRBV10-2\*ap01

1289 sequences assigned  
1269 (98.4%) exact matches, in which:  
1236 unique CDR3  
14 unique J



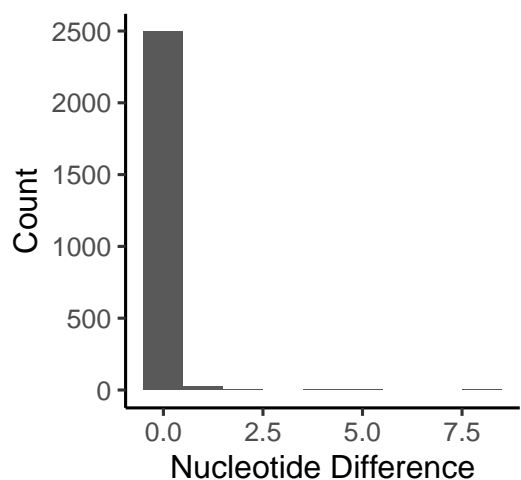
### TRBV13\*ap01

2474 sequences assigned  
2411 (97.5%) exact matches, in which:  
2358 unique CDR3  
14 unique J



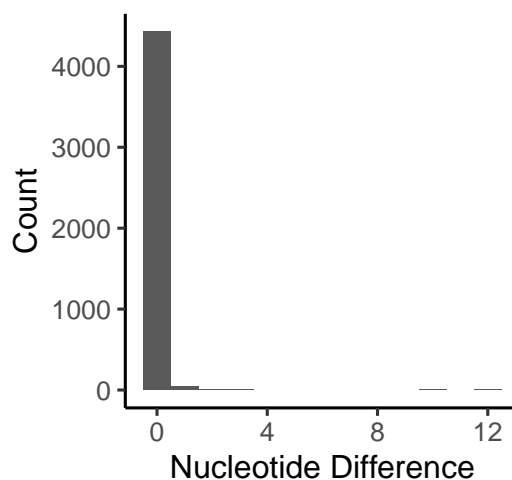
### TRBV10-1\*ap01

2524 sequences assigned  
2495 (98.9%) exact matches, in which:  
2430 unique CDR3  
14 unique J



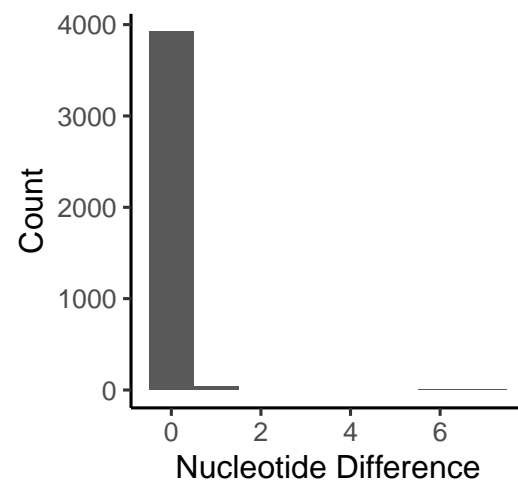
### TRBV10-3\*ap01

4481 sequences assigned  
4428 (98.8%) exact matches, in which:  
4331 unique CDR3  
14 unique J



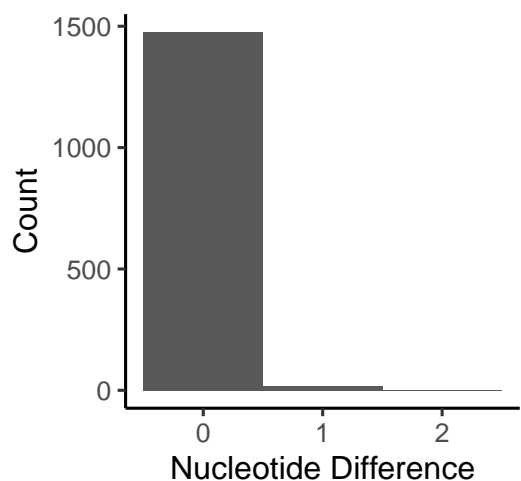
### TRBV14\*ap01

3960 sequences assigned  
3922 (99%) exact matches, in which:  
3844 unique CDR3  
14 unique J



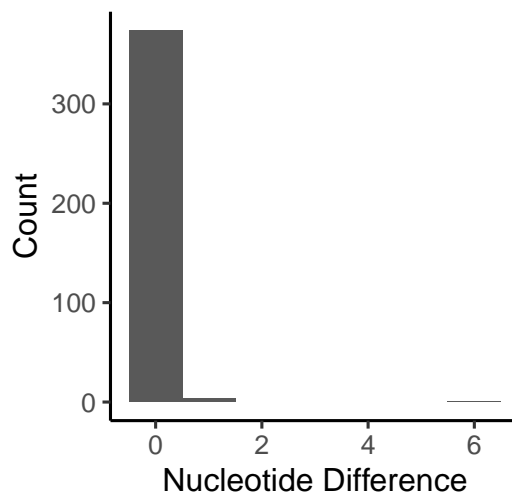
### TRBV20-1\*ap02

1495 sequences assigned  
1476 (98.7%) exact matches, in which:  
1455 unique CDR3  
14 unique J



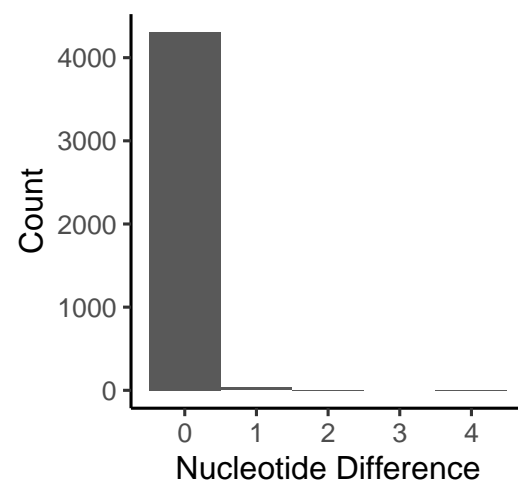
### TRBV1\*ap01

379 sequences assigned  
374 (98.7%) exact matches, in which:  
365 unique CDR3  
14 unique J



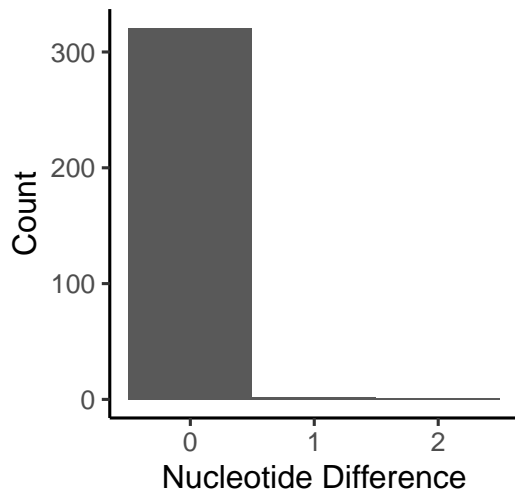
### TRBV15\*ap02

4344 sequences assigned  
4308 (99.2%) exact matches, in which:  
4241 unique CDR3  
15 unique J



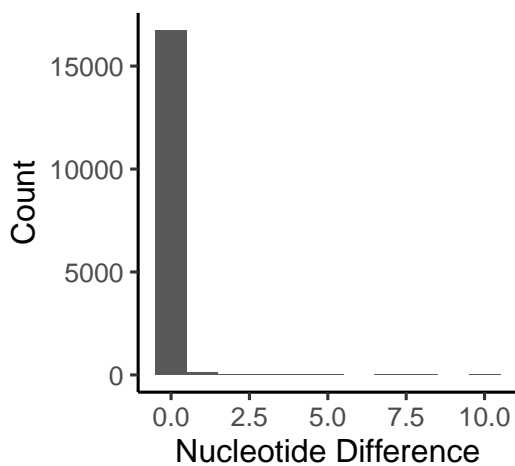
### TRBV16\*ap01

324 sequences assigned  
321 (99.1%) exact matches, in which:  
317 unique CDR3  
14 unique J



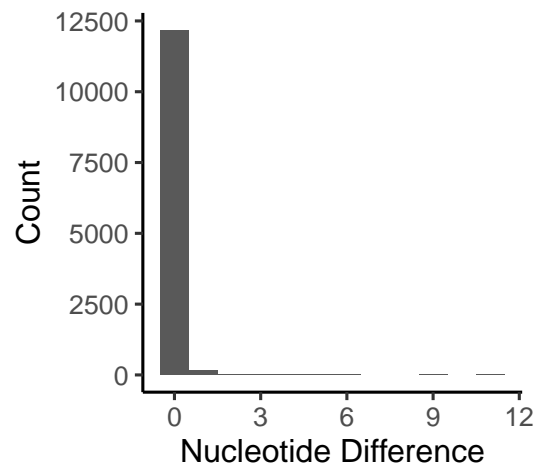
### TRBV19\*ap01

16915 sequences assigned  
16745 (99%) exact matches, in which:  
16540 unique CDR3  
14 unique J



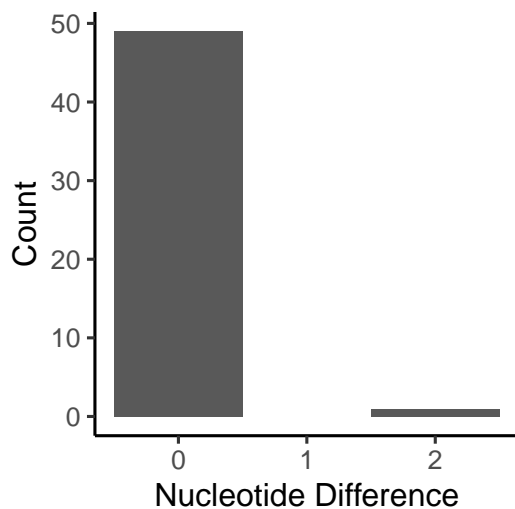
### TRBV27\*ap01

12335 sequences assigned  
12174 (98.7%) exact matches, in which:  
11907 unique CDR3  
14 unique J



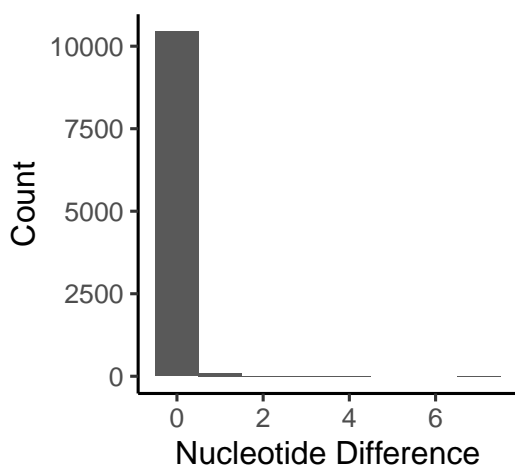
### TRBV17\*ap01

50 sequences assigned  
49 (98%) exact matches, in which:  
47 unique CDR3  
12 unique J



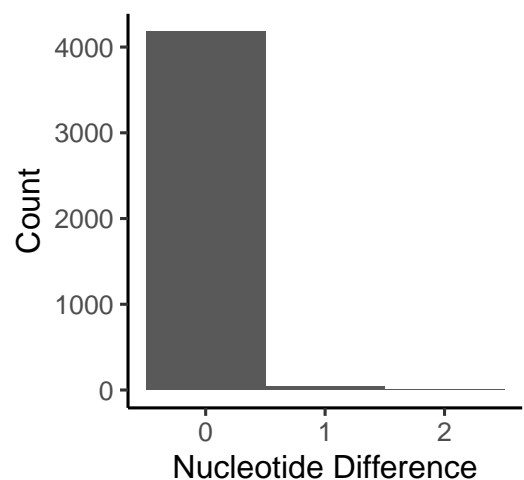
### TRBV2\*ap01

10559 sequences assigned  
10446 (98.9%) exact matches, in which:  
10288 unique CDR3  
14 unique J



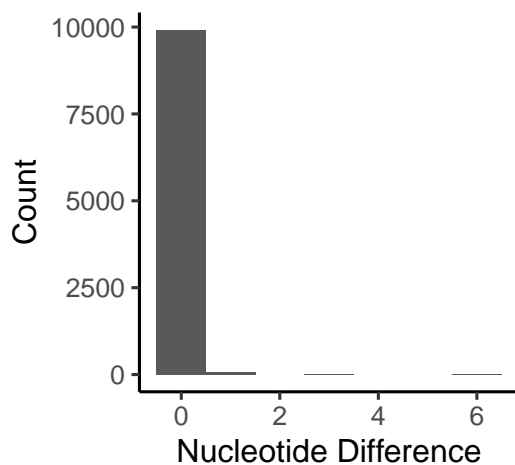
### TRBV28\*ap01

4217 sequences assigned  
4179 (99.1%) exact matches, in which:  
4084 unique CDR3  
14 unique J



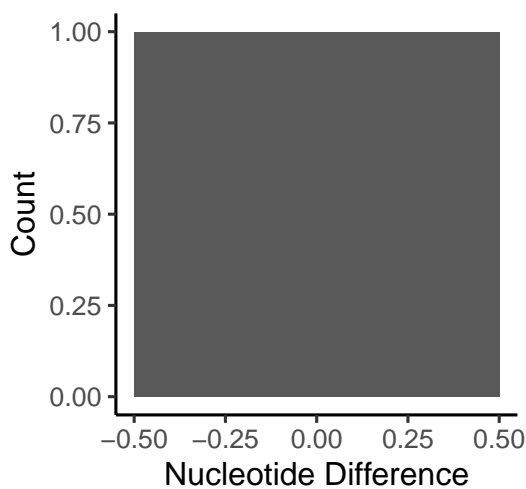
### TRBV18\*ap01

9989 sequences assigned  
9921 (99.3%) exact matches, in which:  
9783 unique CDR3  
14 unique J



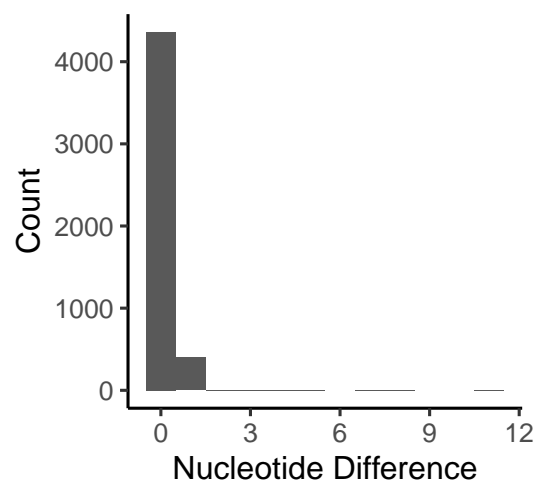
### TRBV26\*ap01

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



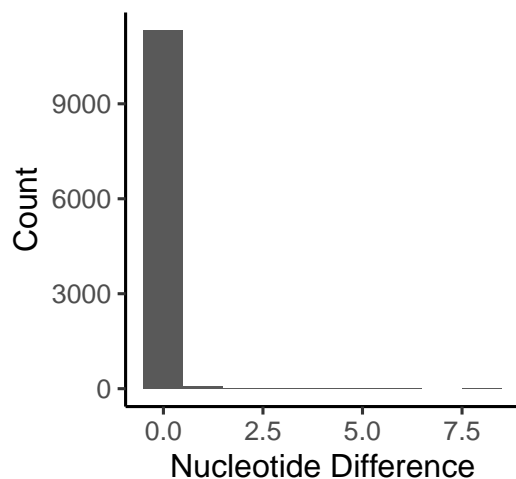
### TRBV30\*ap01

4771 sequences assigned  
4361 (91.4%) exact matches, in which:  
4285 unique CDR3  
14 unique J



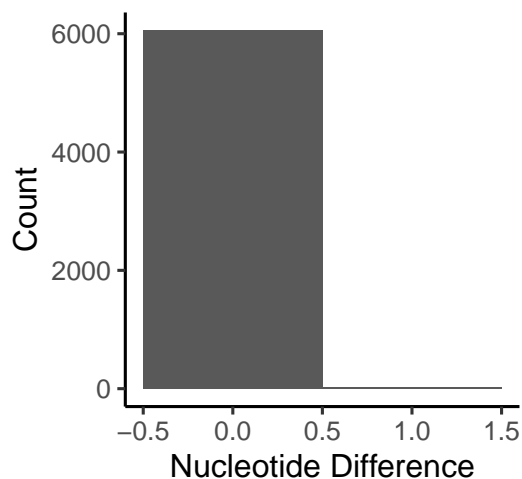
### TRBV9\*ap01

11414 sequences assigned  
11318 (99.2%) exact matches, in which:  
11164 unique CDR3  
14 unique J



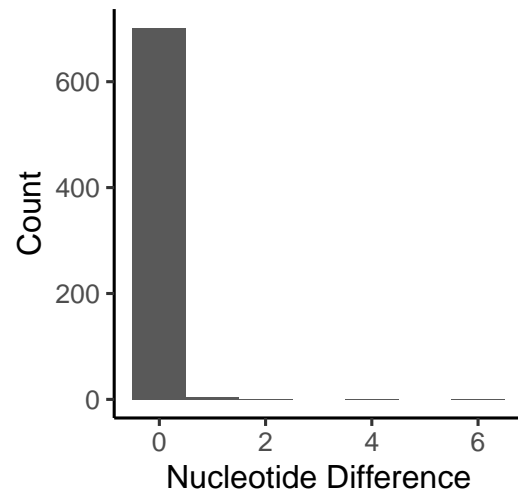
### TRBV11-2\*ap01

6079 sequences assigned  
6056 (99.6%) exact matches, in which:  
5987 unique CDR3  
14 unique J



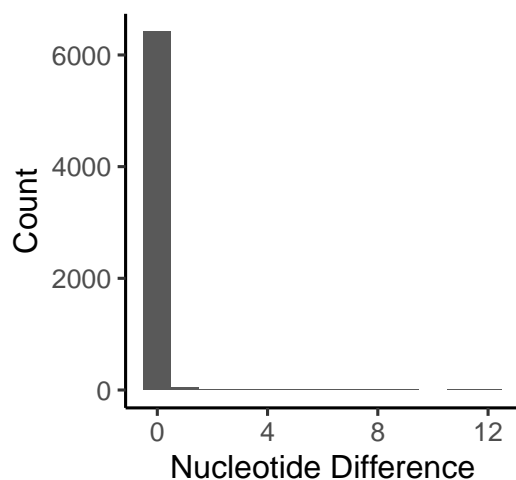
### TRBV12-2\*ap01

710 sequences assigned  
702 (98.9%) exact matches, in which:  
695 unique CDR3  
14 unique J



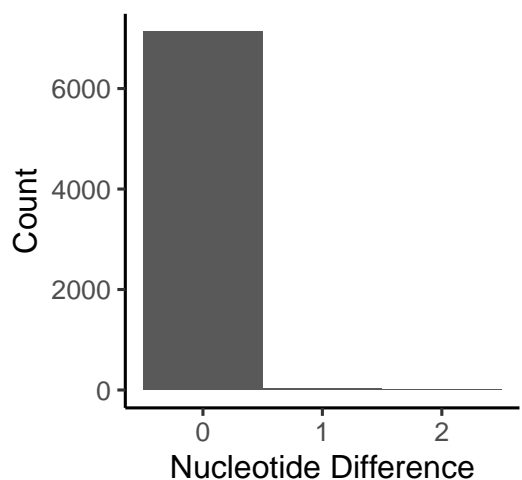
### TRBV21-1\*ap01

6508 sequences assigned  
6416 (98.6%) exact matches, in which:  
6310 unique CDR3  
15 unique J



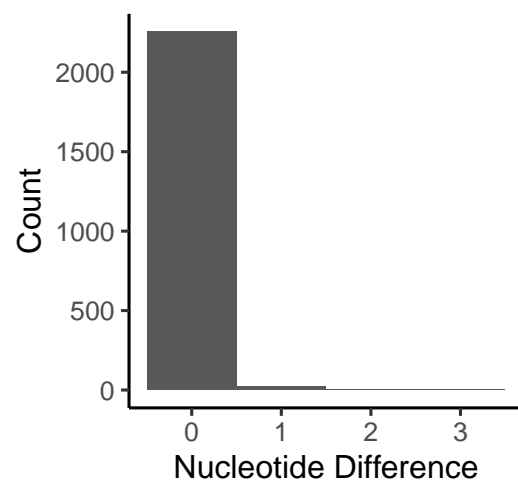
### TRBV11-3\*ap01

7167 sequences assigned  
7131 (99.5%) exact matches, in which:  
7059 unique CDR3  
14 unique J



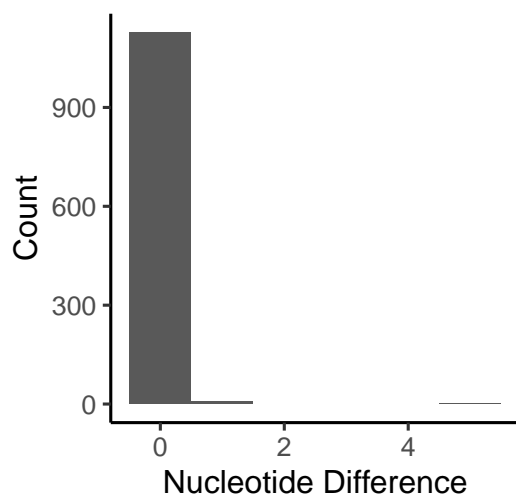
### TRBV12-5\*ap01

2282 sequences assigned  
2255 (98.8%) exact matches, in which:  
2212 unique CDR3  
14 unique J



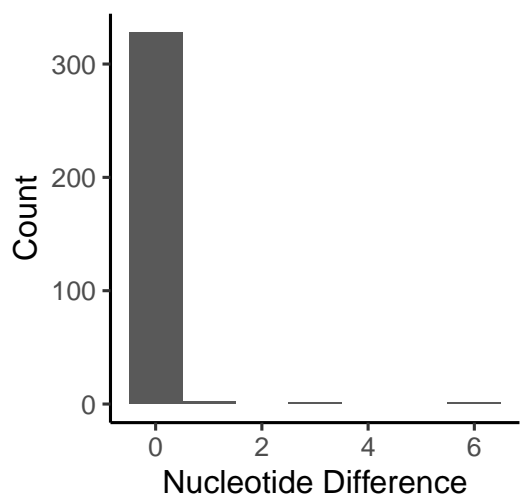
### TRBV11-1\*ap01

1136 sequences assigned  
1128 (99.3%) exact matches, in which:  
1119 unique CDR3  
14 unique J



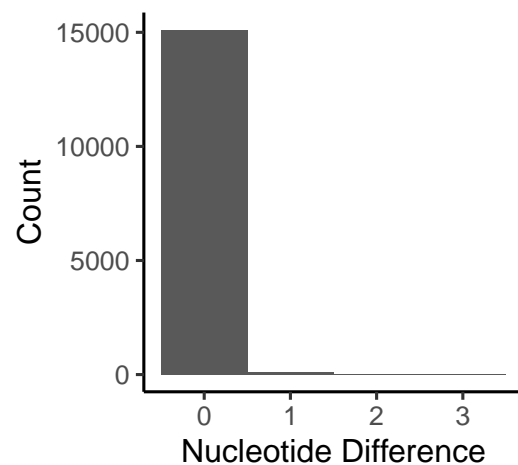
### TRBV12-1\*ap01

332 sequences assigned  
328 (98.8%) exact matches, in which:  
321 unique CDR3  
14 unique J



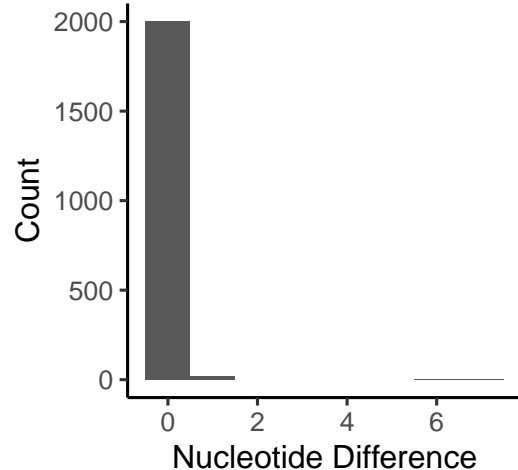
### TRBV12-34\*ap01

15242 sequences assigned  
15111 (99.1%) exact matches, in which:  
14837 unique CDR3  
14 unique J



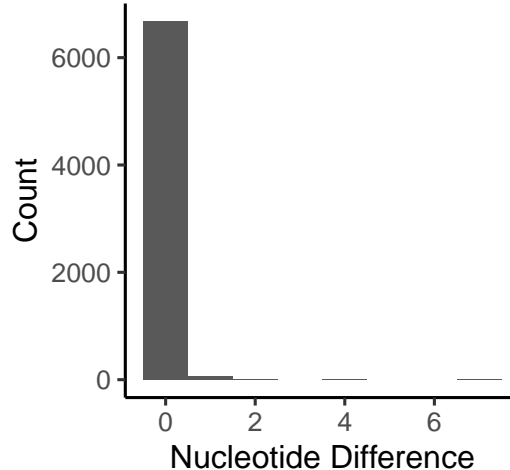
### TRBV23-1\*ap01

2024 sequences assigned  
2001 (98.9%) exact matches, in which:  
1958 unique CDR3  
14 unique J



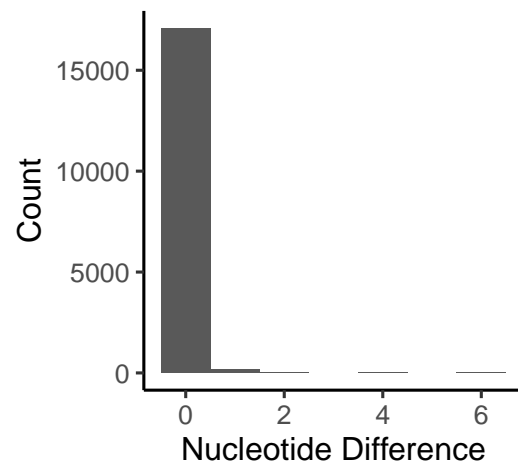
### TRBV4-1\*ap01

6751 sequences assigned  
6675 (98.9%) exact matches, in which:  
6568 unique CDR3  
14 unique J



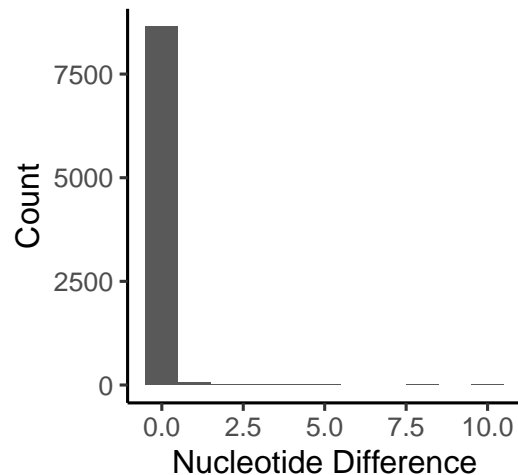
### TRBV5-1\*ap01

17248 sequences assigned  
17087 (99.1%) exact matches, in which:  
16760 unique CDR3  
14 unique J



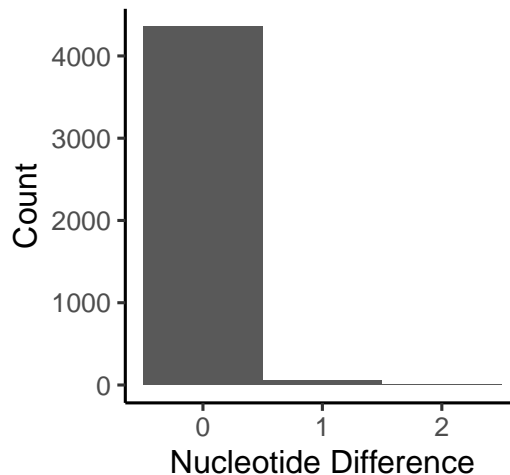
### TRBV3-12\*ap01

8713 sequences assigned  
8642 (99.2%) exact matches, in which:  
8543 unique CDR3  
14 unique J



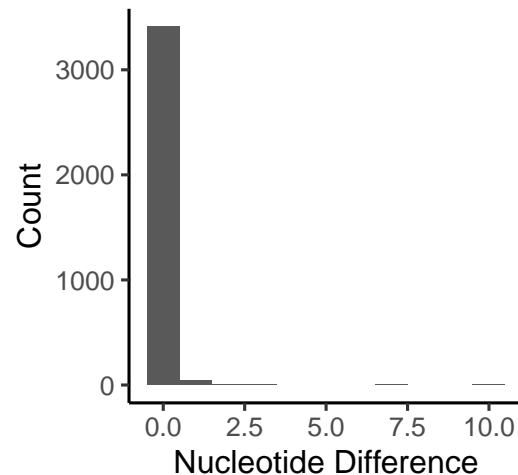
### TRBV4-2\*ap01

4411 sequences assigned  
4355 (98.7%) exact matches, in which:  
4291 unique CDR3  
14 unique J



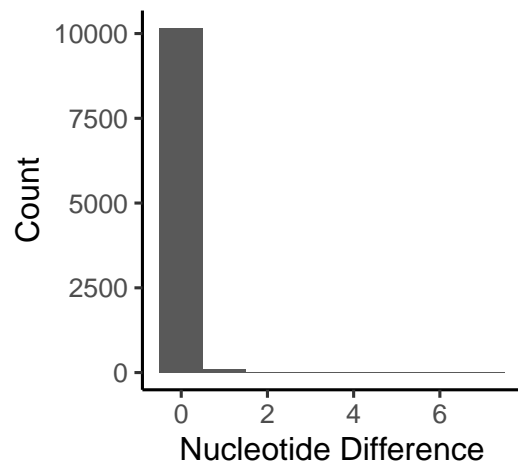
### TRBV25-1\*ap01

3456 sequences assigned  
3410 (98.7%) exact matches, in which:  
3360 unique CDR3  
14 unique J



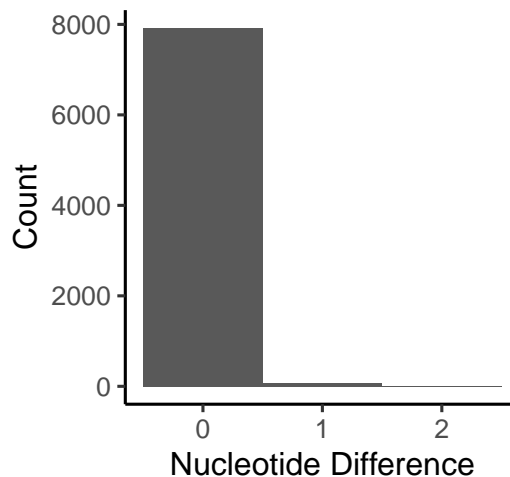
### TRBV24-1\*ap01

10295 sequences assigned  
10170 (98.8%) exact matches, in which:  
10038 unique CDR3  
14 unique J



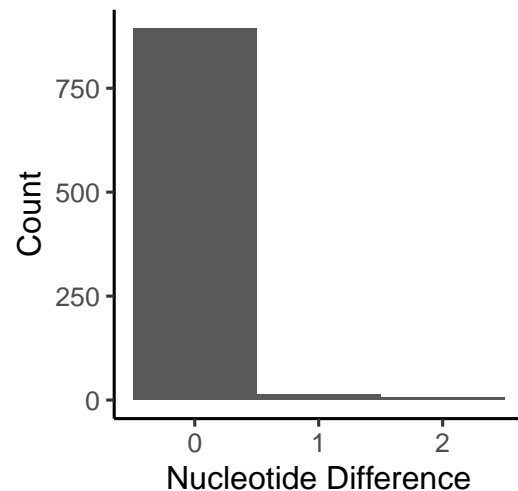
### TRBV4-3\*ap01

7997 sequences assigned  
7919 (99%) exact matches, in which:  
7769 unique CDR3  
14 unique J



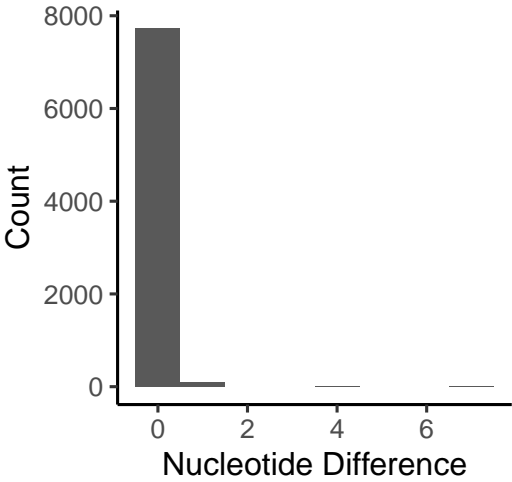
### TRBV5-3\*ap01

914 sequences assigned  
894 (97.8%) exact matches, in which:  
872 unique CDR3  
14 unique J



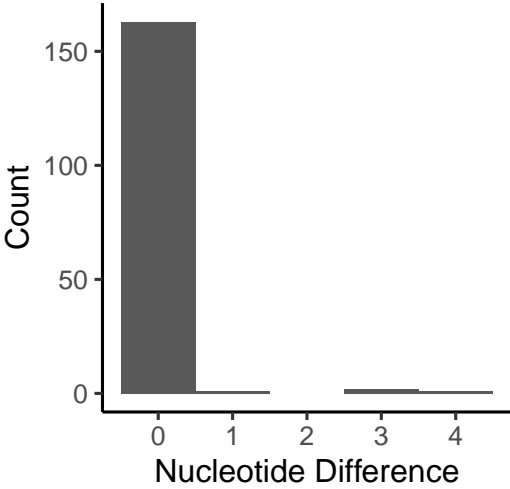
TRBV5-4\*ap01

7826 sequences assigned  
7727 (98.7%) exact matches, in which:  
7591 unique CDR3  
14 unique J



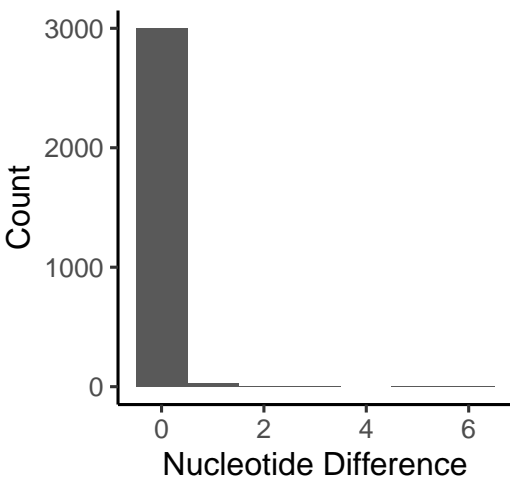
TRBV5-7\*ap01

167 sequences assigned  
163 (97.6%) exact matches, in which:  
159 unique CDR3  
14 unique J



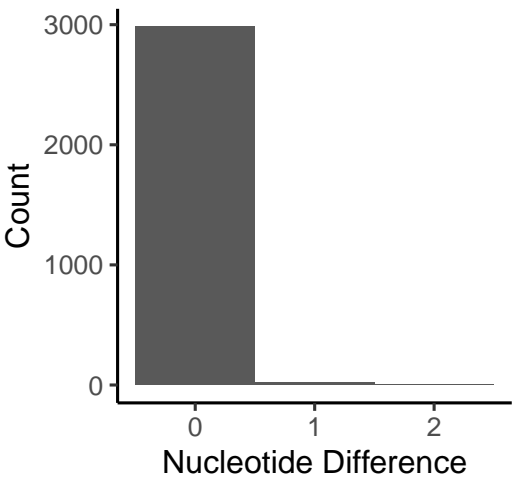
TRBV6-4\*ap01

3045 sequences assigned  
2999 (98.5%) exact matches, in which:  
2937 unique CDR3  
14 unique J



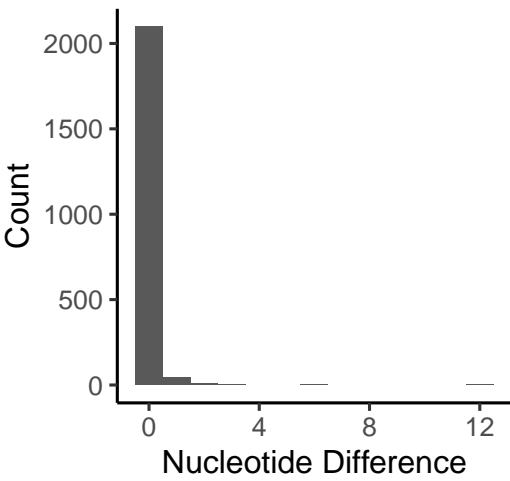
TRBV5-5\*ap01

3004 sequences assigned  
2983 (99.3%) exact matches, in which:  
2945 unique CDR3  
14 unique J



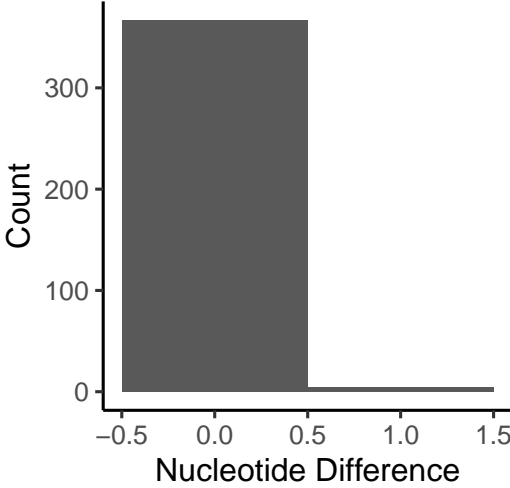
TRBV5-8\*ap01

2148 sequences assigned  
2098 (97.7%) exact matches, in which:  
2055 unique CDR3  
14 unique J



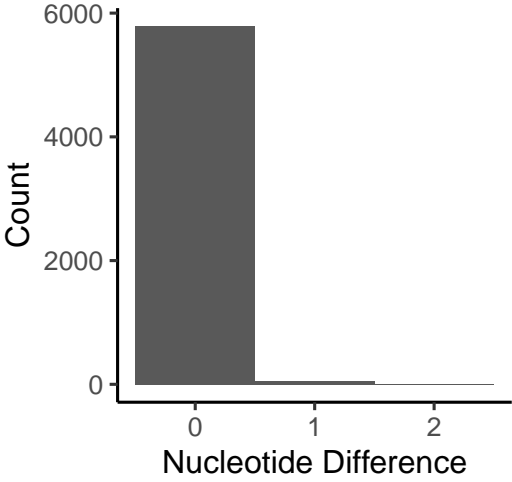
TRBV6-7\*ap01

371 sequences assigned  
367 (98.9%) exact matches, in which:  
363 unique CDR3  
14 unique J



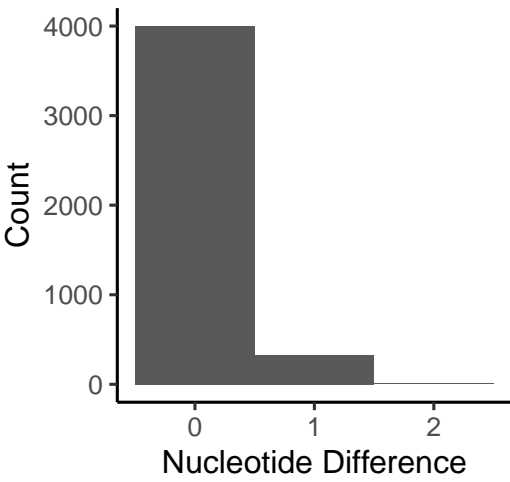
TRBV5-6\*ap01

5846 sequences assigned  
5791 (99.1%) exact matches, in which:  
5660 unique CDR3  
14 unique J



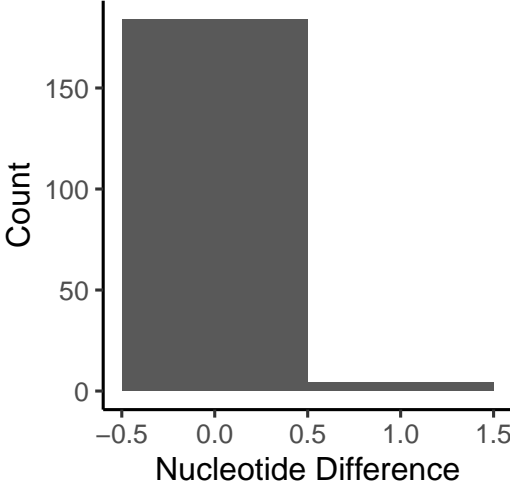
TRBV6-1\*ap01

4332 sequences assigned  
4000 (92.3%) exact matches, in which:  
3920 unique CDR3  
14 unique J



TRBV6-8\*ap01

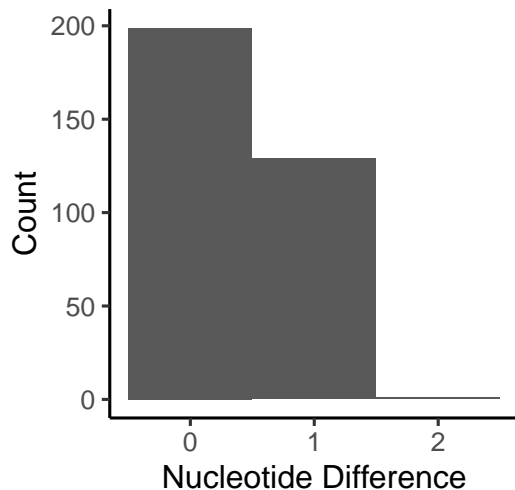
188 sequences assigned  
184 (97.9%) exact matches, in which:  
178 unique CDR3  
14 unique J





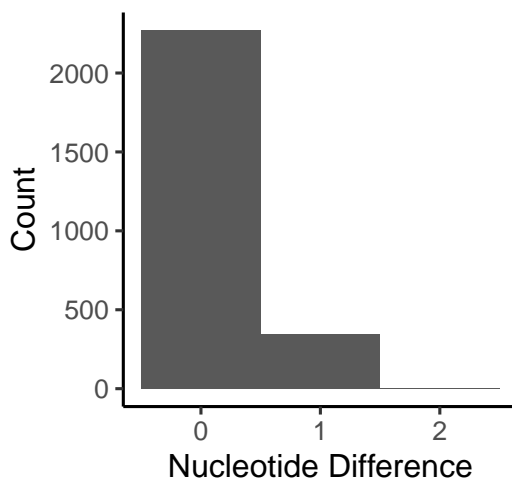
### TRBV6–9\*ap01

329 sequences assigned  
199 (60.5%) exact matches, in which:  
193 unique CDR3  
14 unique J



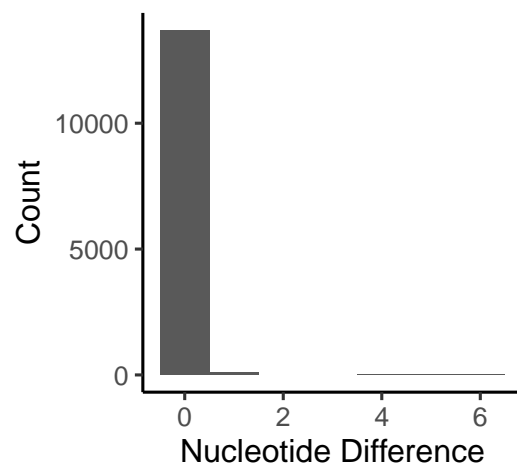
### TRBV6–56\*ap02

2615 sequences assigned  
2270 (86.8%) exact matches, in which:  
2229 unique CDR3  
14 unique J



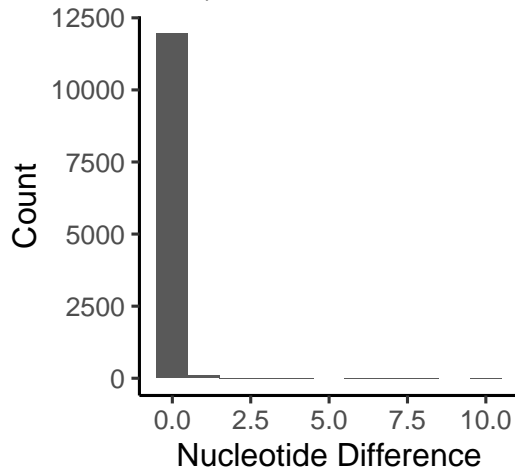
### TRBV7–2\*ap01

13797 sequences assigned  
13697 (99.3%) exact matches, in which:  
13459 unique CDR3  
14 unique J



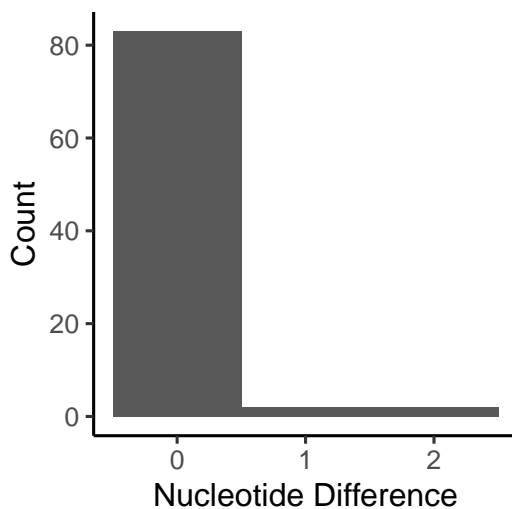
### TRBV6–23\*ap01

12075 sequences assigned  
11957 (99%) exact matches, in which:  
11697 unique CDR3  
15 unique J



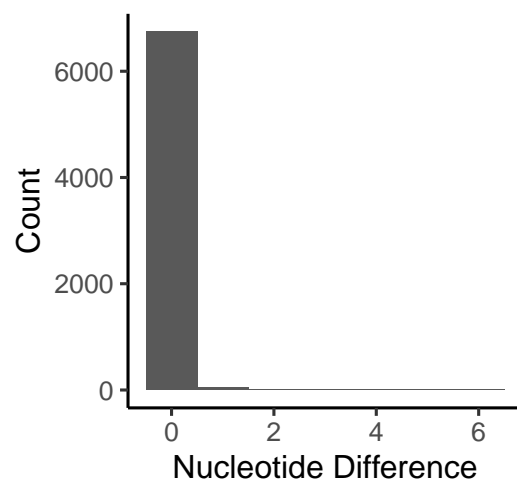
### TRBV7–1\*ap01\_G291C\_T

87 sequences assigned  
83 (95.4%) exact matches, in which:  
83 unique CDR3  
13 unique J



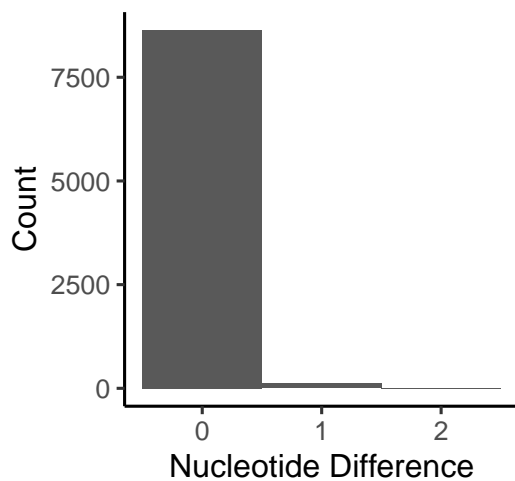
### TRBV7–3\*ap01

6803 sequences assigned  
6744 (99.1%) exact matches, in which:  
6649 unique CDR3  
14 unique J



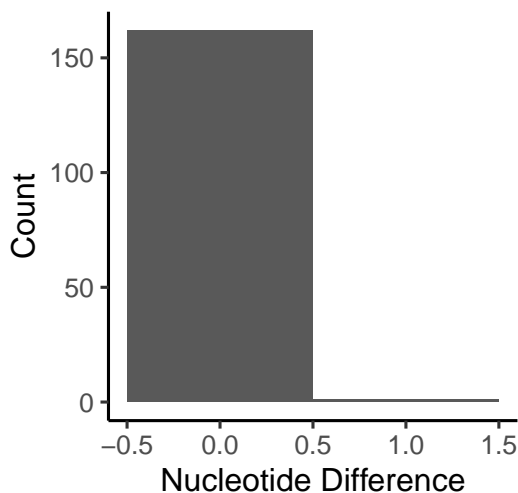
### TRBV6–56\*ap01

8760 sequences assigned  
8639 (98.6%) exact matches, in which:  
8472 unique CDR3  
14 unique J



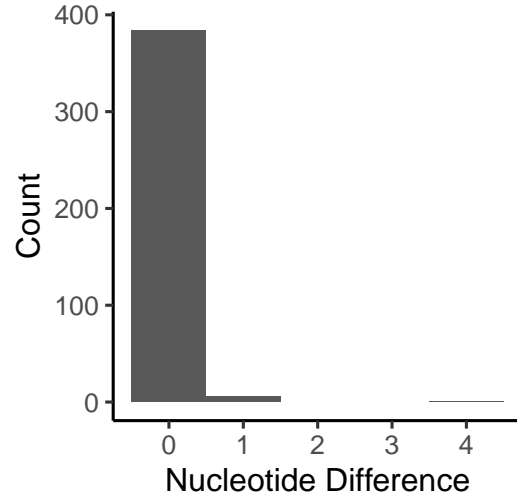
### TRBV7–1\*ap01\_G291C\_

163 sequences assigned  
162 (99.4%) exact matches, in which:  
159 unique CDR3  
12 unique J



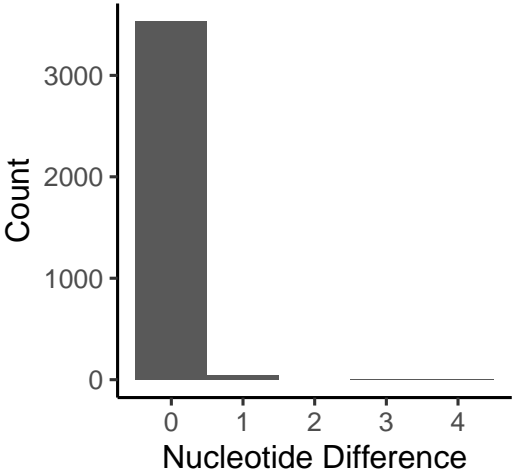
### TRBV7–4\*ap01

391 sequences assigned  
384 (98.2%) exact matches, in which:  
372 unique CDR3  
14 unique J



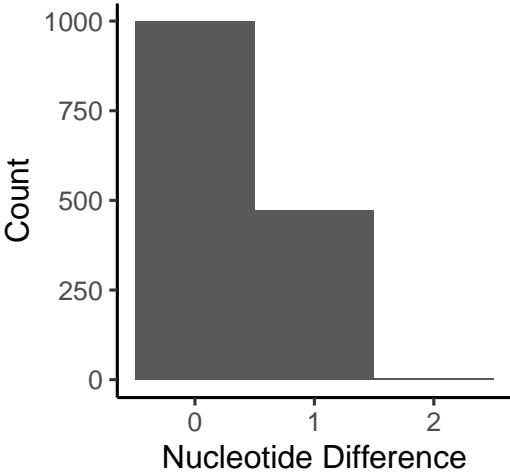
TRBV7-6\*ap01

3580 sequences assigned  
3532 (98.7%) exact matches, in which:  
3468 unique CDR3  
14 unique J



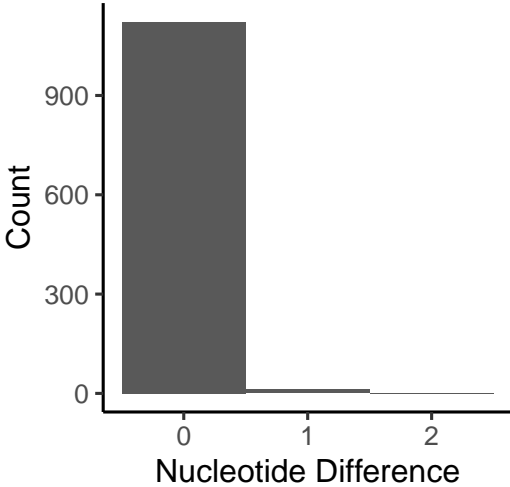
TRBV7-8\*ap03

1477 sequences assigned  
999 (67.6%) exact matches, in which:  
982 unique CDR3  
14 unique J



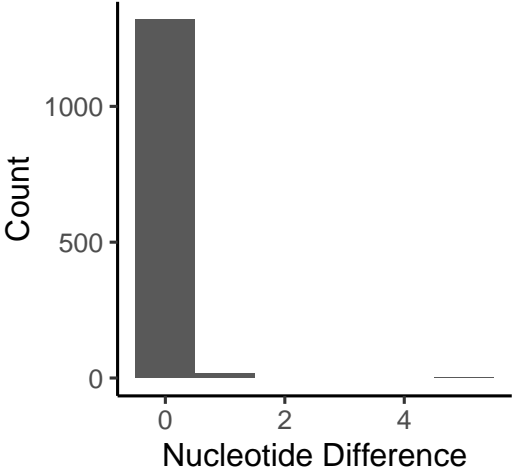
TRBV29-1\*ap02

1136 sequences assigned  
1123 (98.9%) exact matches, in which:  
1109 unique CDR3  
14 unique J



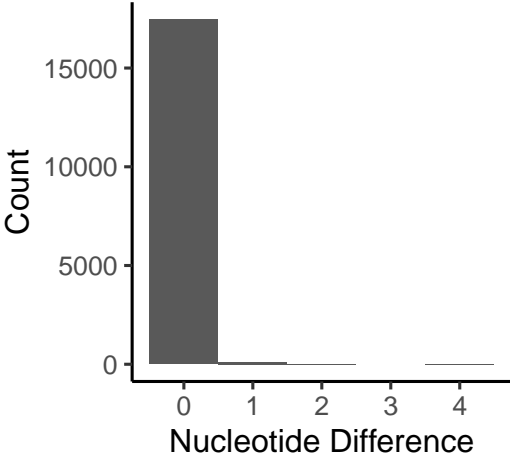
TRBV7-7\*ap01\_C315T

1335 sequences assigned  
1319 (98.8%) exact matches, in which:  
1284 unique CDR3  
14 unique J



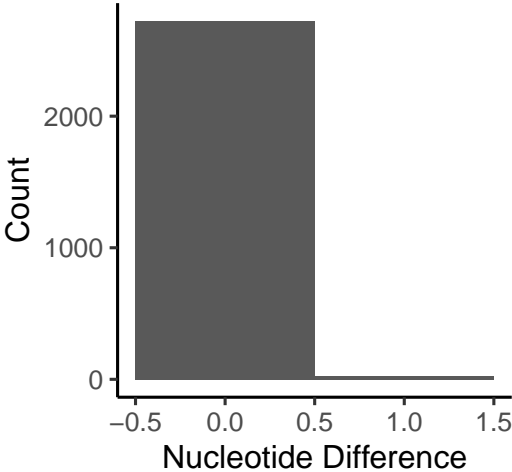
TRBV7-9\*ap01

17591 sequences assigned  
17460 (99.3%) exact matches, in which:  
17238 unique CDR3  
14 unique J



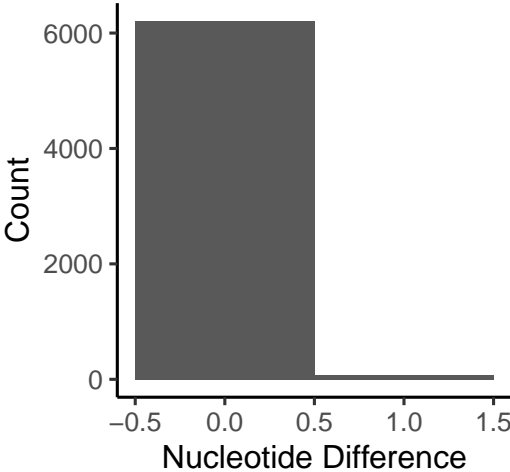
TRBV7-8\*ap01

2750 sequences assigned  
2723 (99%) exact matches, in which:  
2657 unique CDR3  
14 unique J

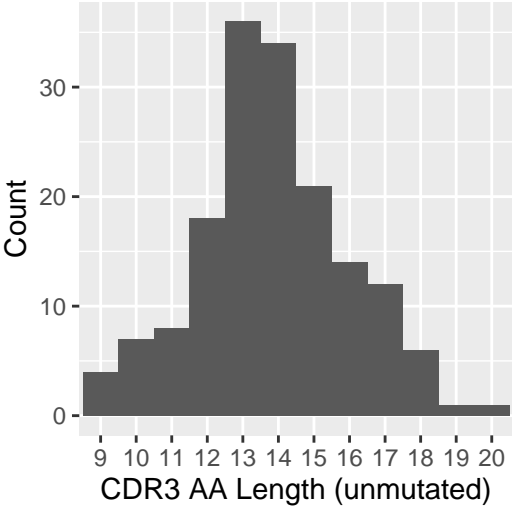


TRBV29-1\*ap01

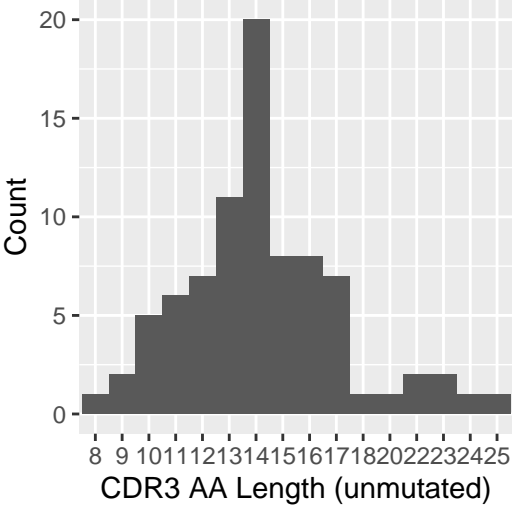
6280 sequences assigned  
6208 (98.9%) exact matches, in which:  
6133 unique CDR3  
14 unique J



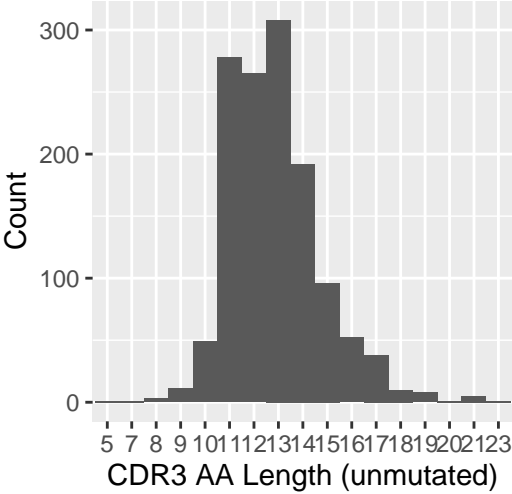
TRBV7-1\*ap01\_G291C\_T296C\_C314T

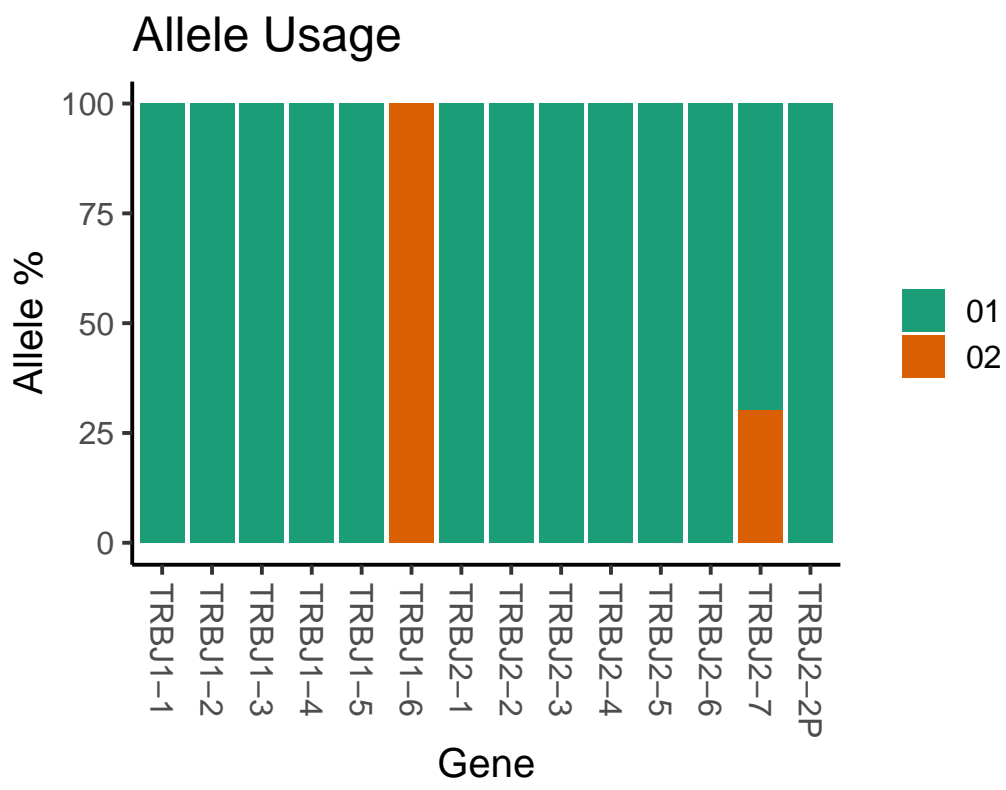


TRBV7-1\*ap01\_G291C\_T296C

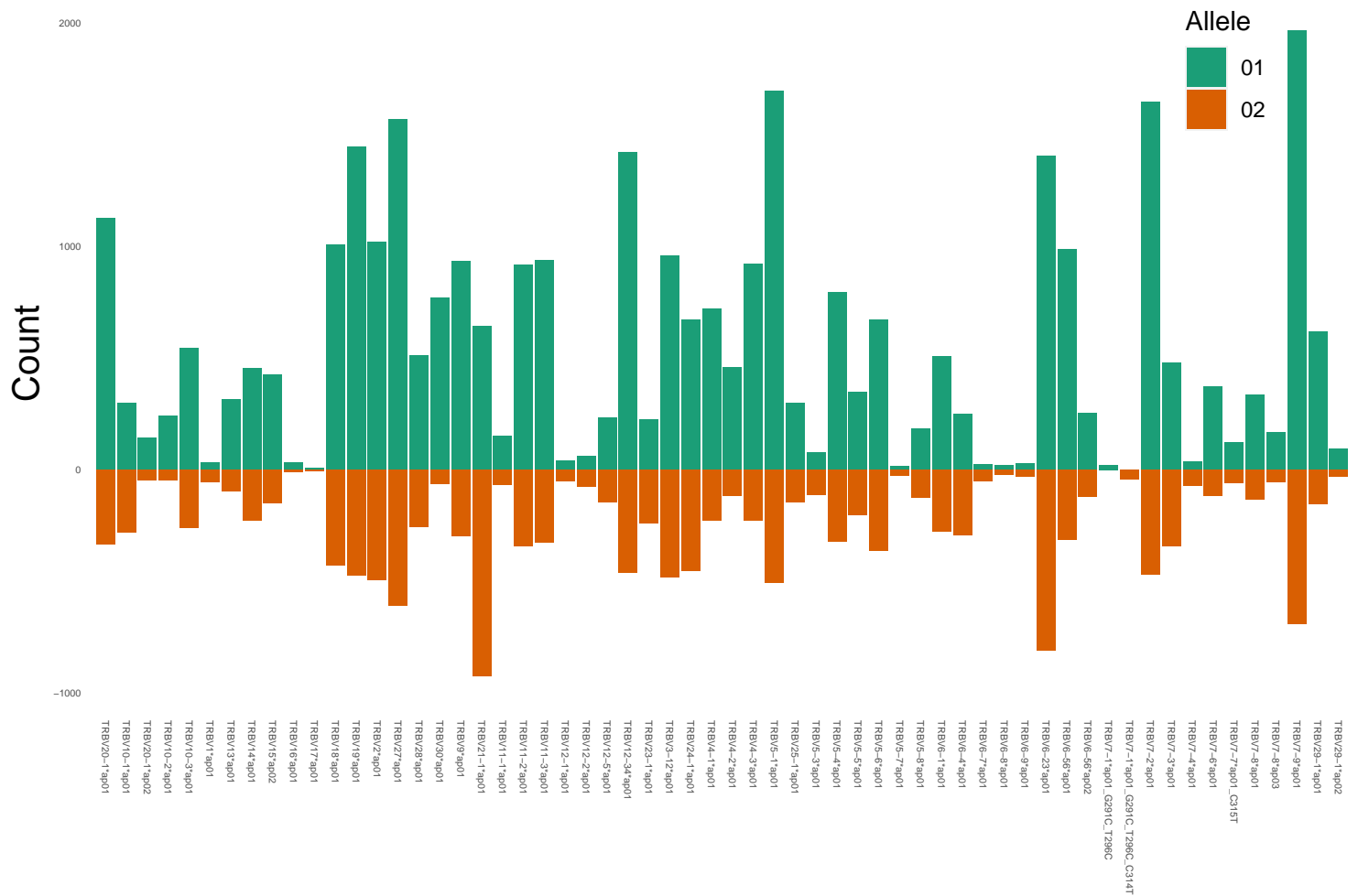


TRBV7-7\*ap01\_C315T





### Sequence Count by TRBJ2-7 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.