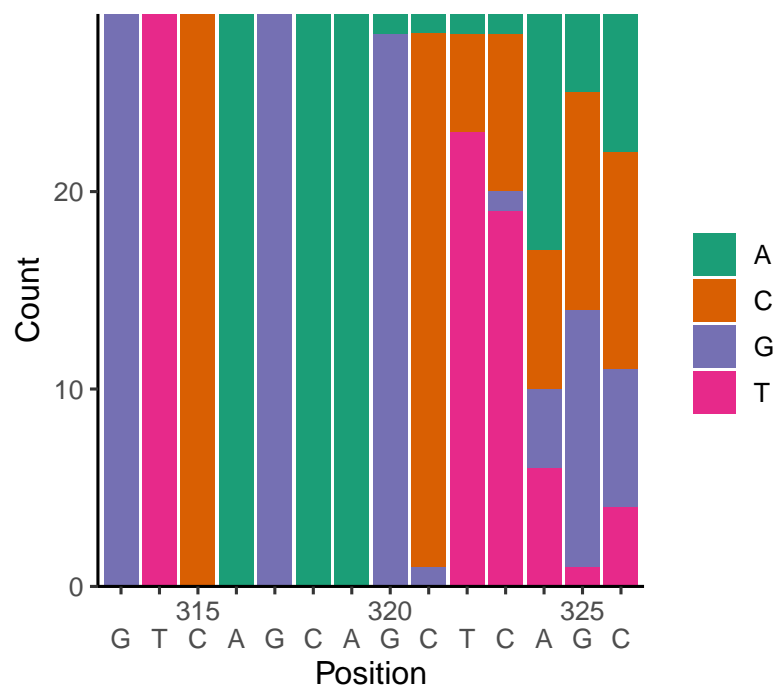
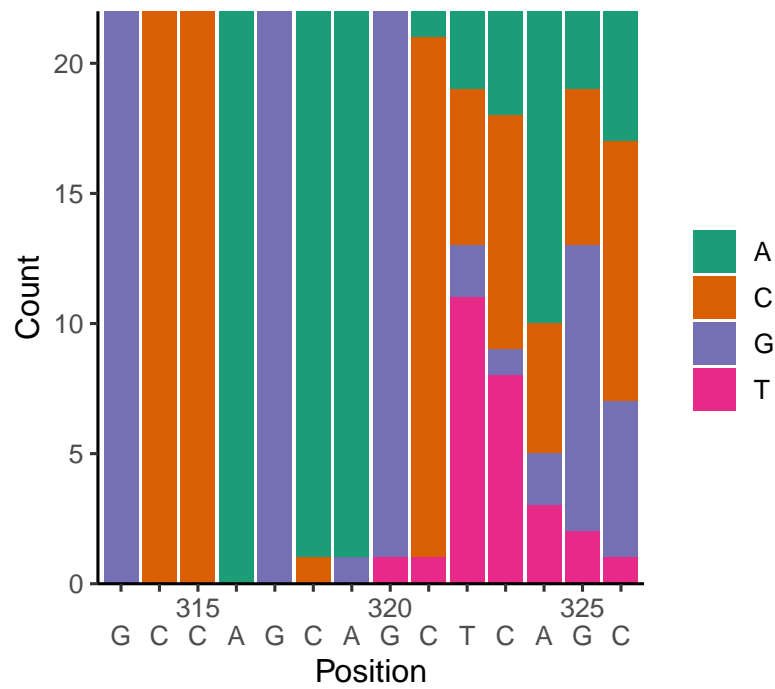


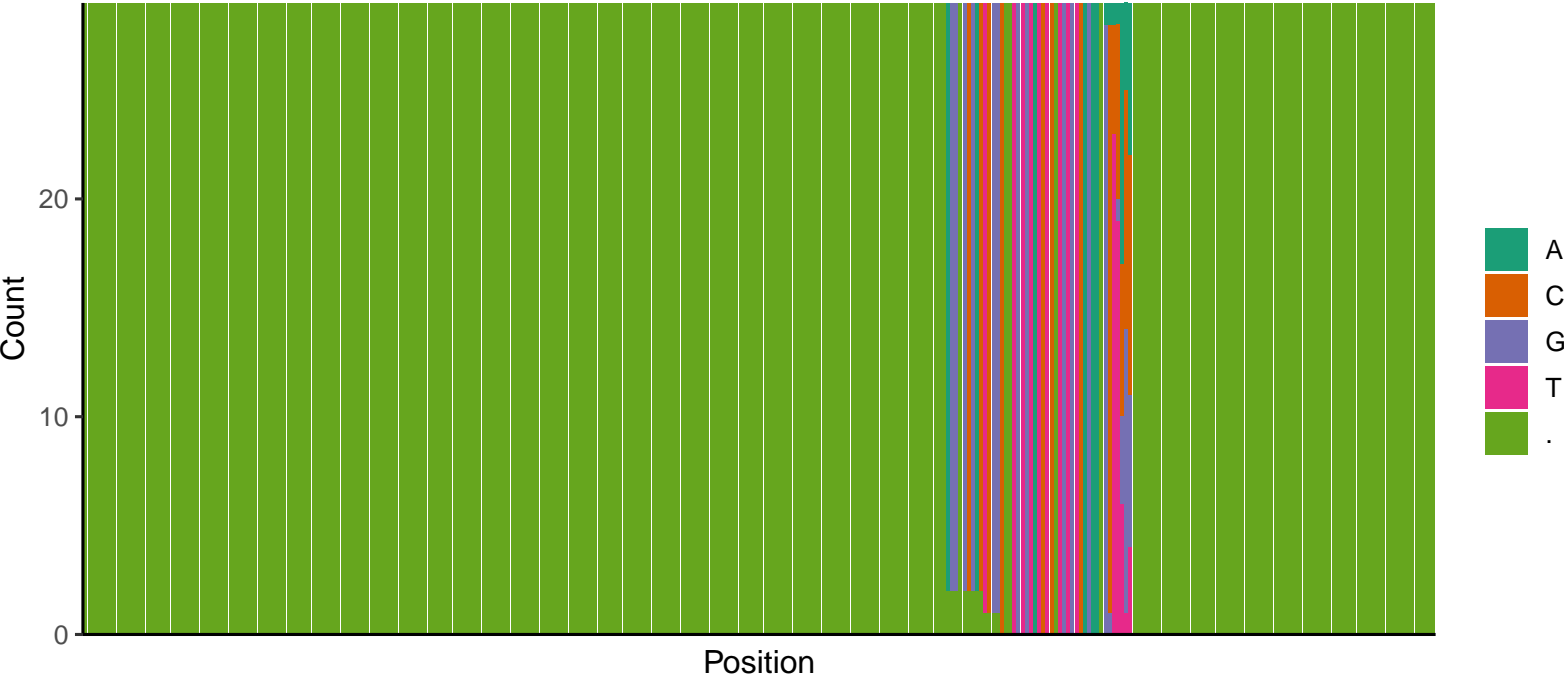
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



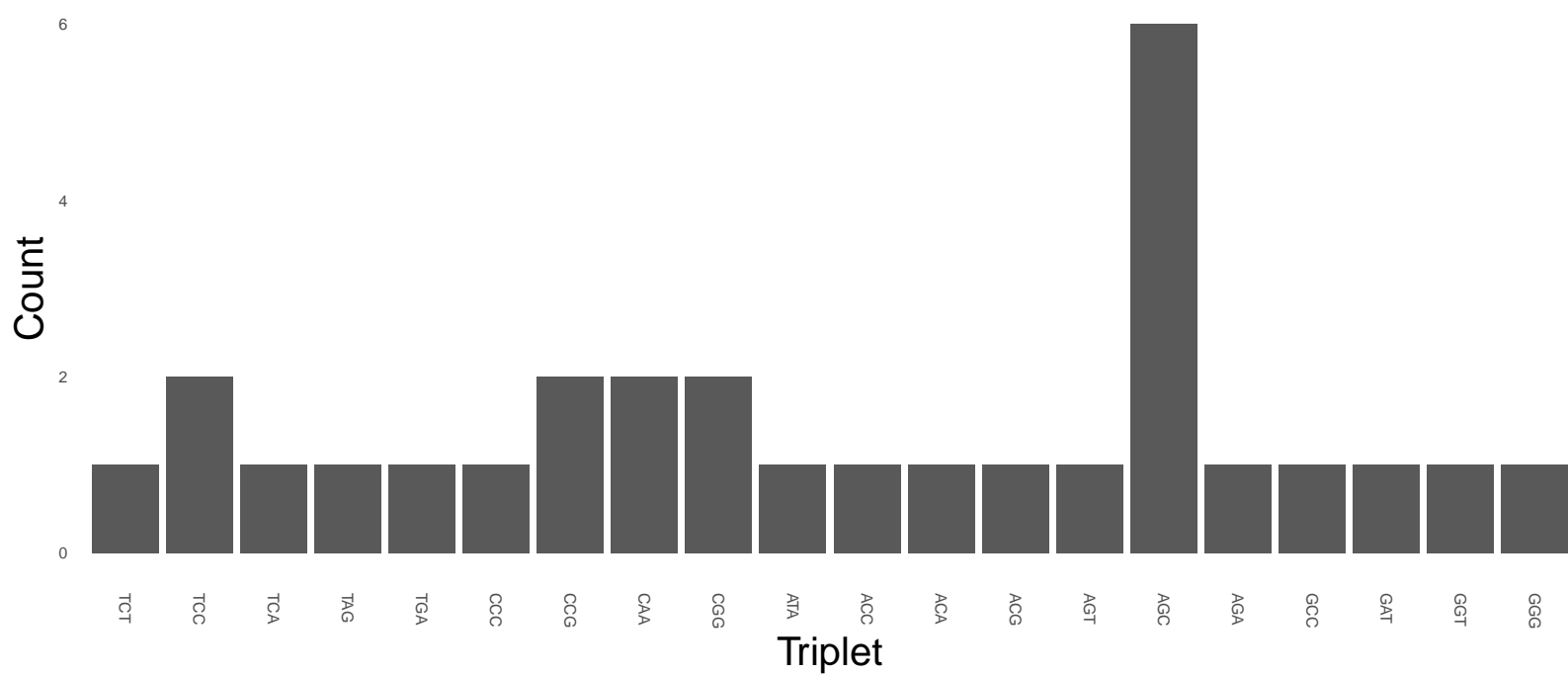
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



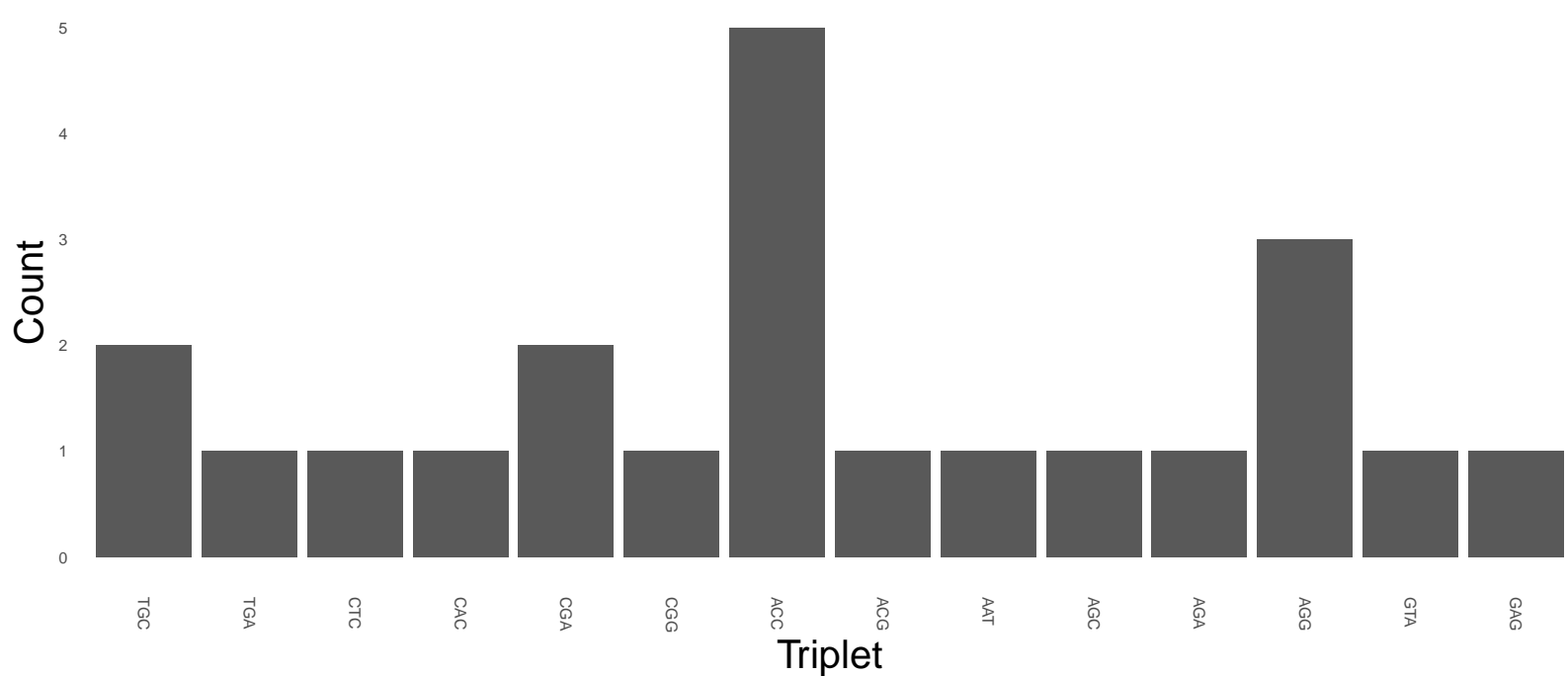
Gene TRBV7-1\*ap01\_G291C\_T296C



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

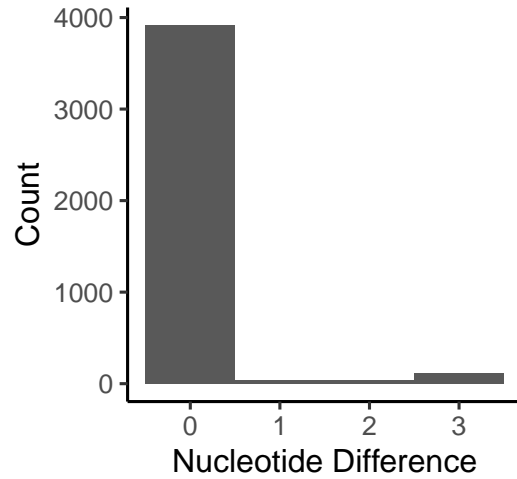


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



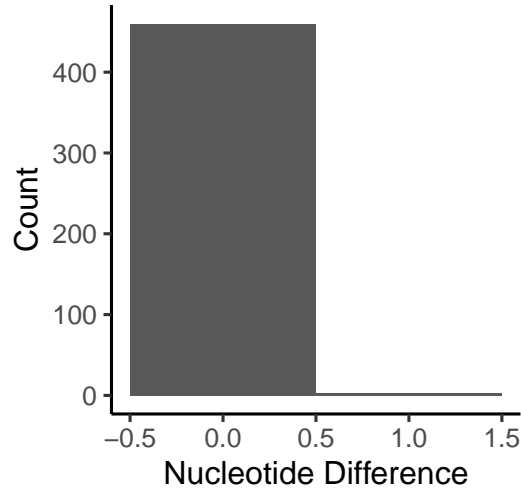
### TRBV20-1\*ap01

4111 sequences assigned  
3914 (95.2%) exact matches, in which:  
3865 unique CDR3  
13 unique J



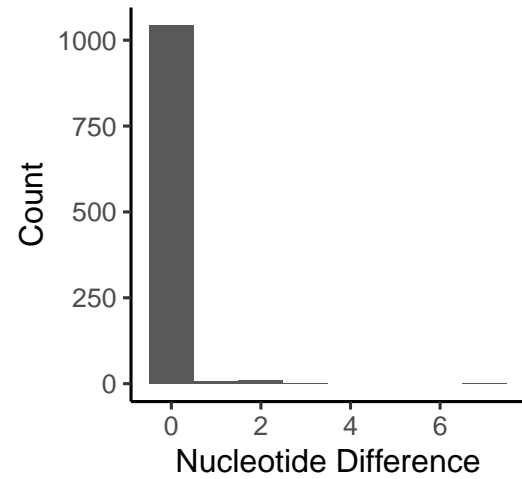
### TRBV10-2\*ap01

463 sequences assigned  
460 (99.4%) exact matches, in which:  
459 unique CDR3  
13 unique J



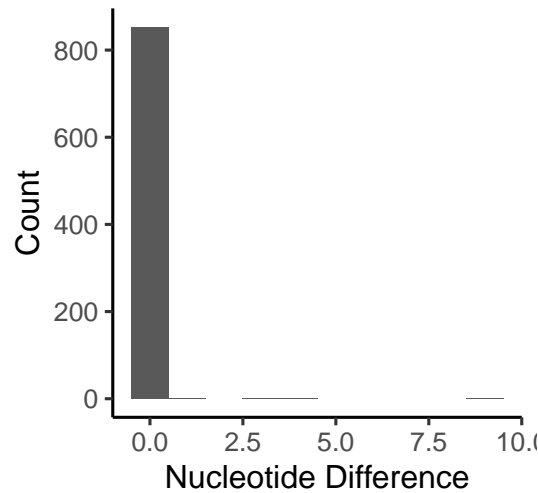
### TRBV13\*ap01

1064 sequences assigned  
1043 (98%) exact matches, in which:  
1024 unique CDR3  
13 unique J



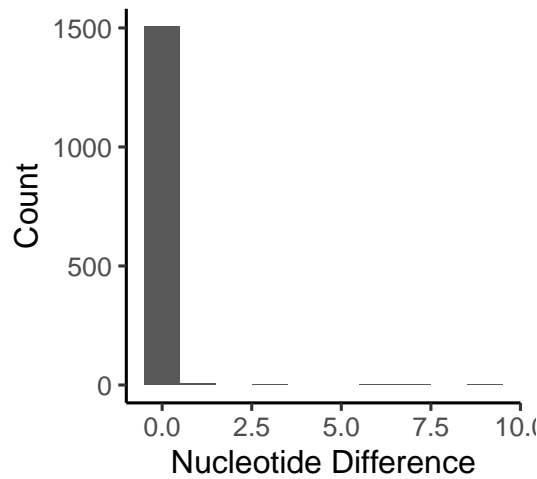
### TRBV10-1\*ap01

858 sequences assigned  
853 (99.4%) exact matches, in which:  
849 unique CDR3  
13 unique J



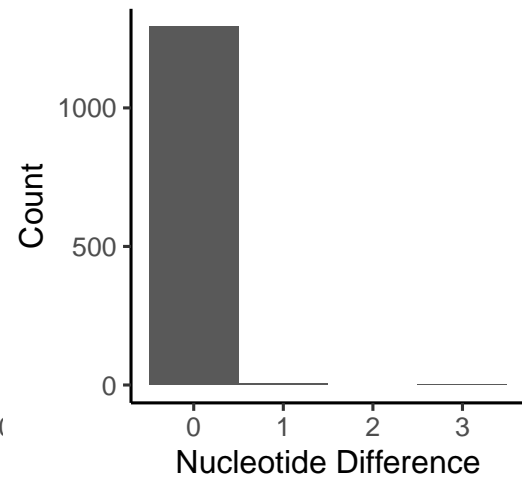
### TRBV10-3\*ap01

1518 sequences assigned  
1505 (99.1%) exact matches, in which:  
1493 unique CDR3  
13 unique J



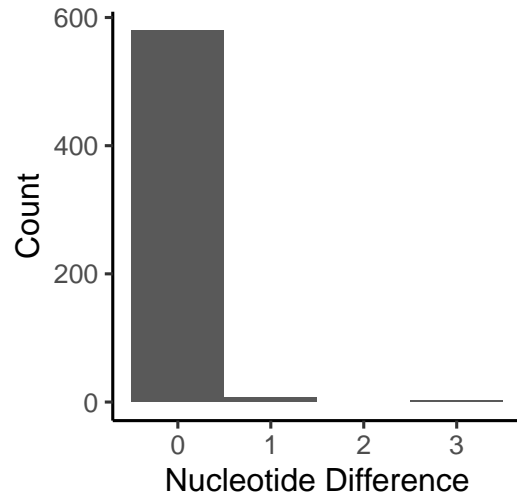
### TRBV14\*ap01

1300 sequences assigned  
1293 (99.5%) exact matches, in which:  
1280 unique CDR3  
13 unique J



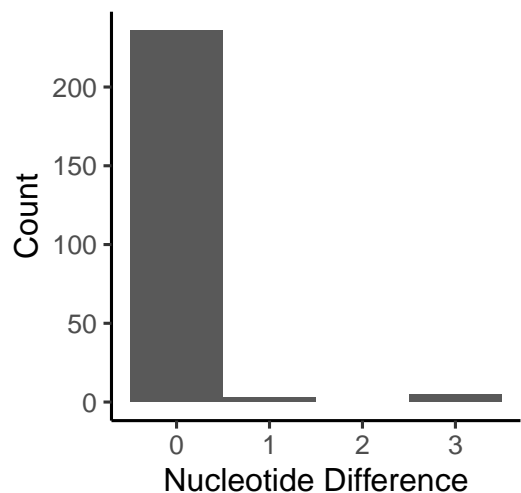
### TRBV20-1\*ap02

589 sequences assigned  
580 (98.5%) exact matches, in which:  
569 unique CDR3  
13 unique J



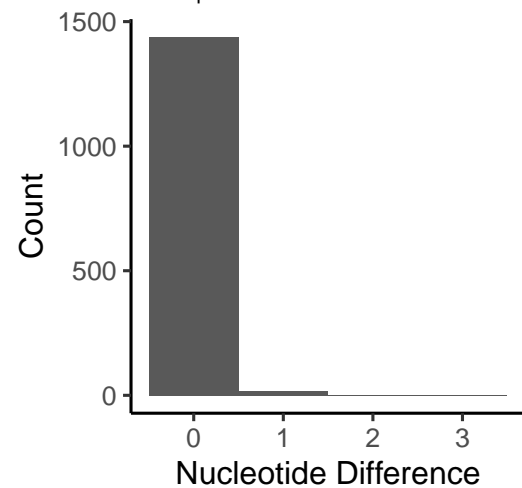
### TRBV1\*ap01

244 sequences assigned  
236 (96.7%) exact matches, in which:  
230 unique CDR3  
13 unique J



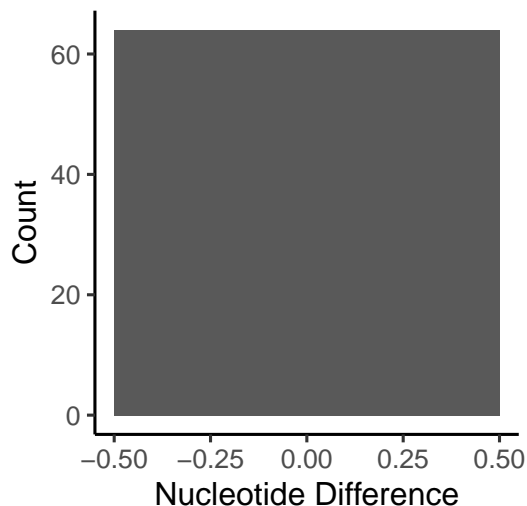
### TRBV15\*ap02

1458 sequences assigned  
1438 (98.6%) exact matches, in which:  
1422 unique CDR3  
13 unique J



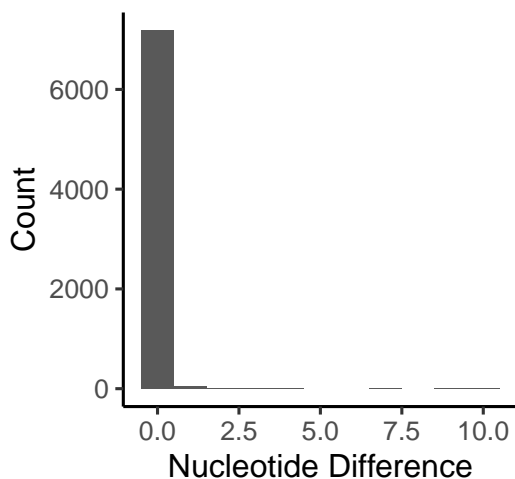
### TRBV16\*ap01

64 sequences assigned  
64 (100%) exact matches, in which:  
64 unique CDR3  
10 unique J



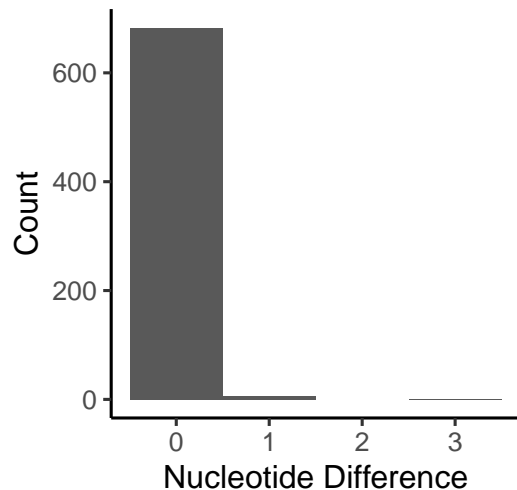
### TRBV19\*ap01

7260 sequences assigned  
7183 (98.9%) exact matches, in which:  
7121 unique CDR3  
13 unique J



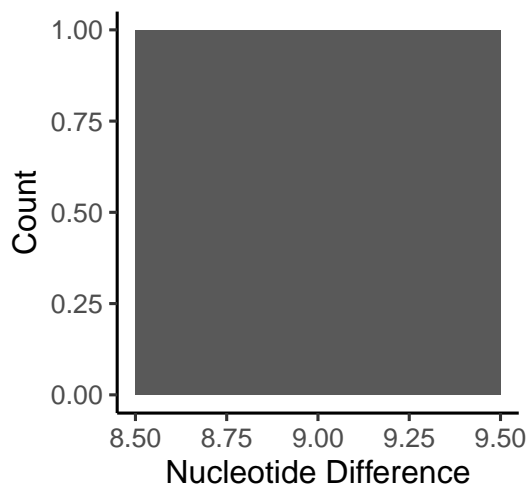
### TRBV28\*ap01

690 sequences assigned  
683 (99%) exact matches, in which:  
678 unique CDR3  
13 unique J



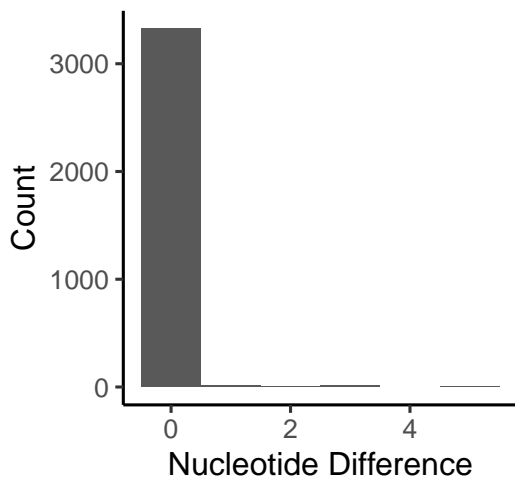
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



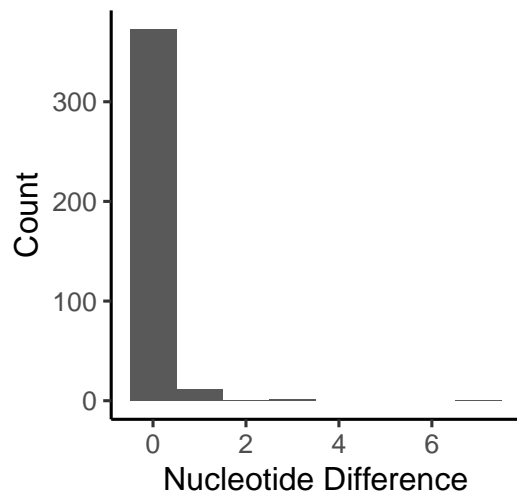
### TRBV2\*ap01

3358 sequences assigned  
3325 (99%) exact matches, in which:  
3294 unique CDR3  
13 unique J



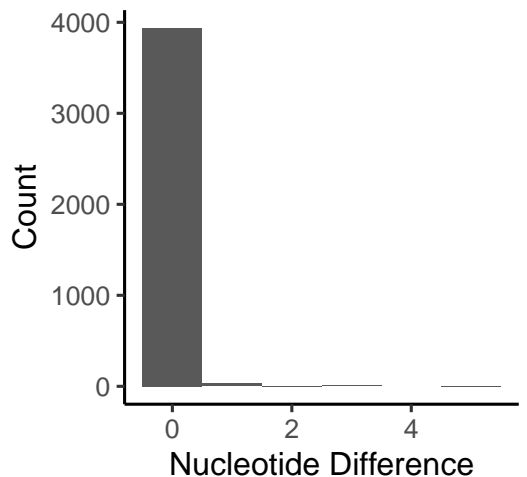
### TRBV30\*ap02

389 sequences assigned  
373 (95.9%) exact matches, in which:  
369 unique CDR3  
13 unique J



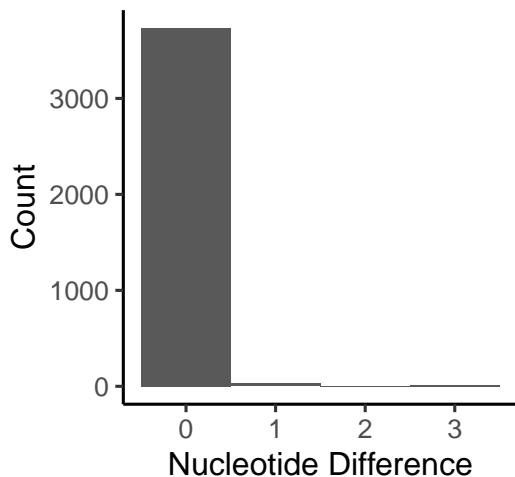
### TRBV18\*ap01

3977 sequences assigned  
3937 (99%) exact matches, in which:  
3884 unique CDR3  
13 unique J



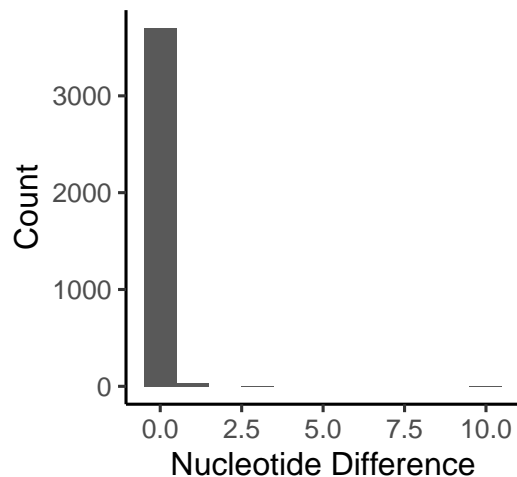
### TRBV27\*ap01

3777 sequences assigned  
3733 (98.8%) exact matches, in which:  
3702 unique CDR3  
13 unique J



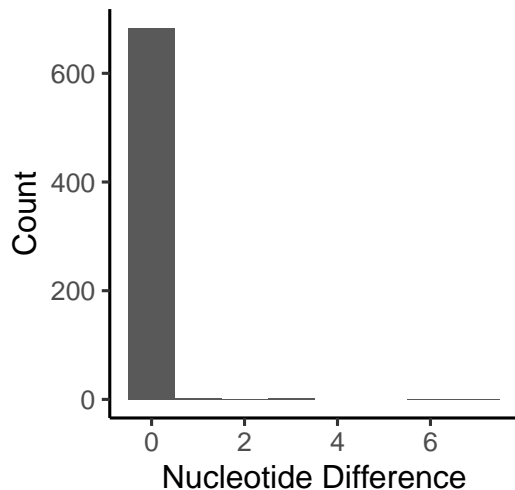
### TRBV9\*ap01

3735 sequences assigned  
3700 (99.1%) exact matches, in which:  
3672 unique CDR3  
13 unique J



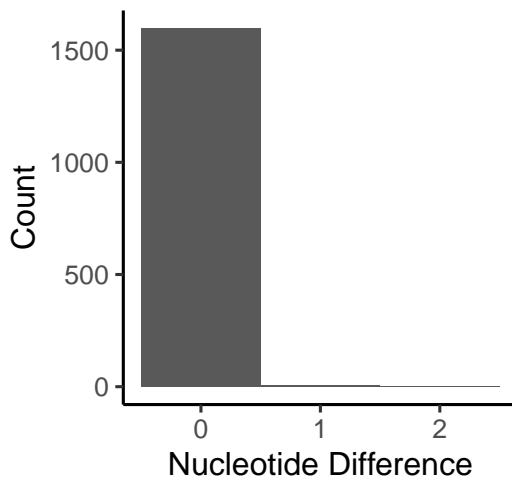
### TRBV21-1\*ap01

691 sequences assigned  
684 (99%) exact matches, in which:  
683 unique CDR3  
13 unique J



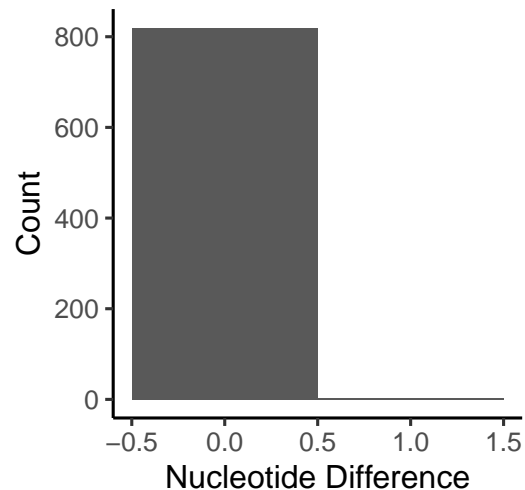
### TRBV11-3\*ap01

1605 sequences assigned  
1597 (99.5%) exact matches, in which:  
1591 unique CDR3  
13 unique J



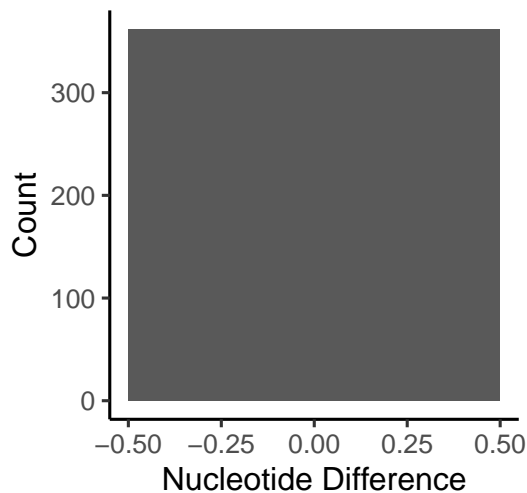
### TRBV12-5\*ap01

823 sequences assigned  
820 (99.6%) exact matches, in which:  
817 unique CDR3  
13 unique J



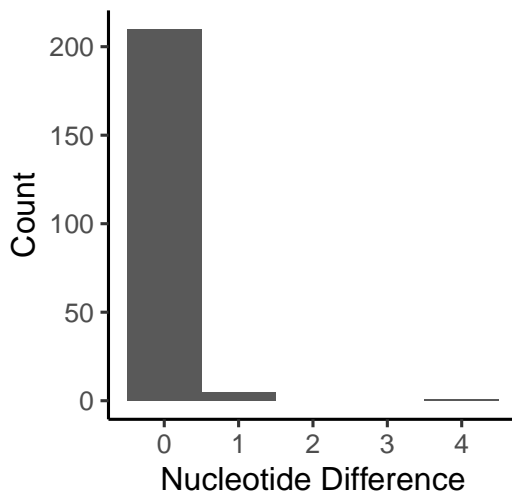
### TRBV11-1\*ap01

362 sequences assigned  
362 (100%) exact matches, in which:  
360 unique CDR3  
13 unique J



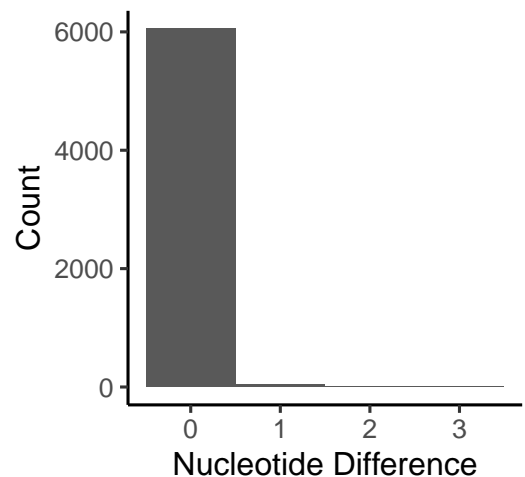
### TRBV12-1\*ap01

216 sequences assigned  
210 (97.2%) exact matches, in which:  
209 unique CDR3  
13 unique J



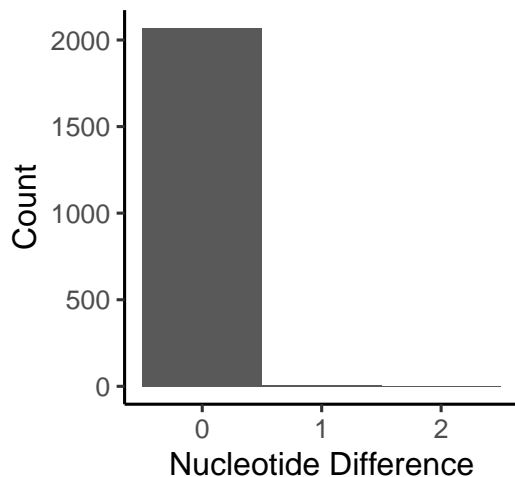
### TRBV12-34\*ap01

6117 sequences assigned  
6053 (99%) exact matches, in which:  
6007 unique CDR3  
13 unique J



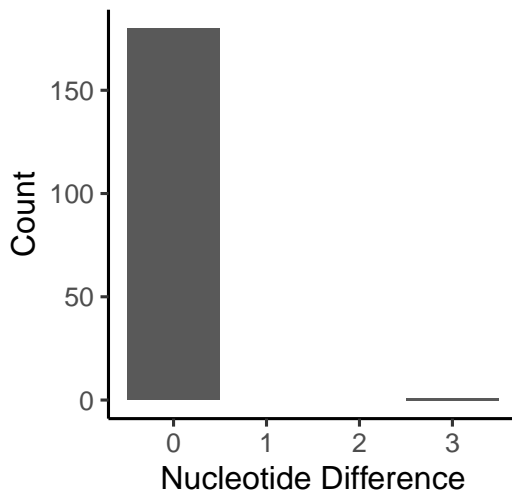
### TRBV11-2\*ap01

2079 sequences assigned  
2069 (99.5%) exact matches, in which:  
2056 unique CDR3  
13 unique J



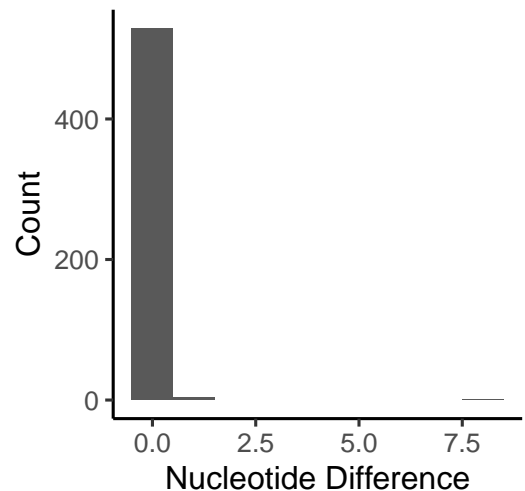
### TRBV12-2\*ap01

181 sequences assigned  
180 (99.4%) exact matches, in which:  
179 unique CDR3  
13 unique J



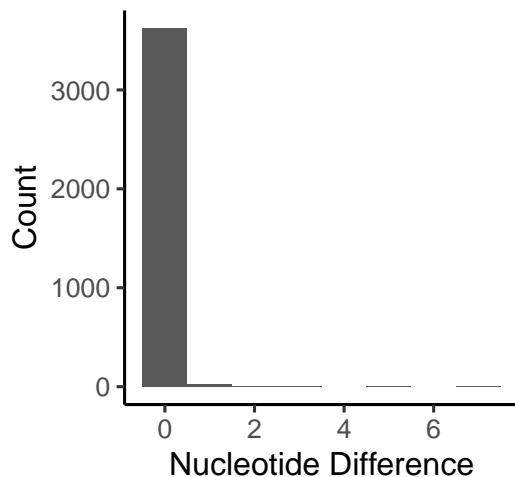
### TRBV23-1\*ap01

534 sequences assigned  
529 (99.1%) exact matches, in which:  
527 unique CDR3  
13 unique J



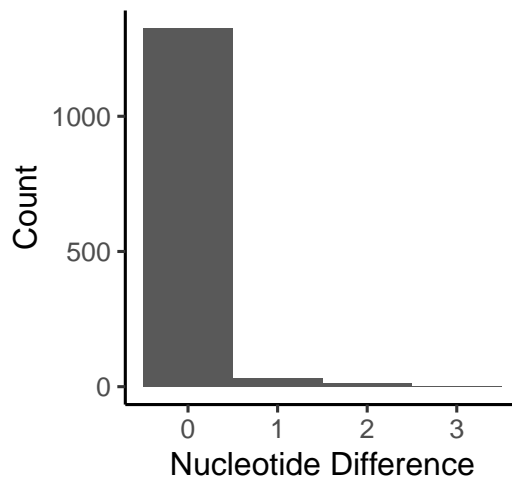
### TRBV3-12\*ap01

3650 sequences assigned  
3622 (99.2%) exact matches, in which:  
3600 unique CDR3  
13 unique J



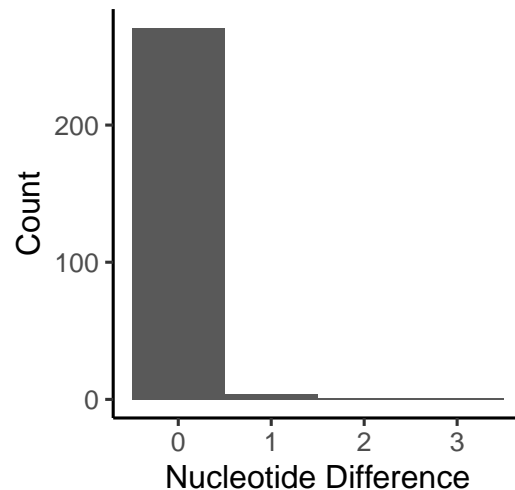
### TRBV4-2\*ap01

1368 sequences assigned  
1325 (96.9%) exact matches, in which:  
1306 unique CDR3  
13 unique J



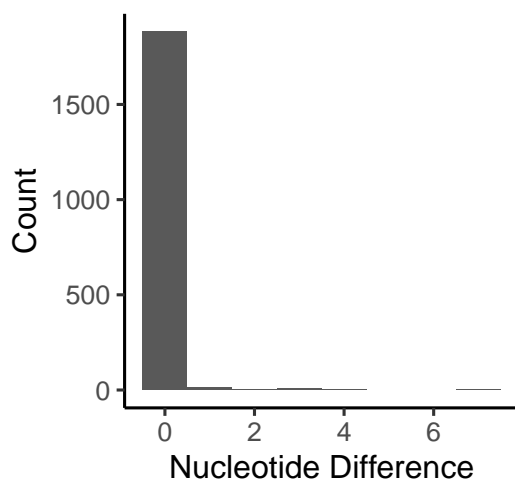
### TRBV5-3\*ap01

277 sequences assigned  
271 (97.8%) exact matches, in which:  
270 unique CDR3  
13 unique J



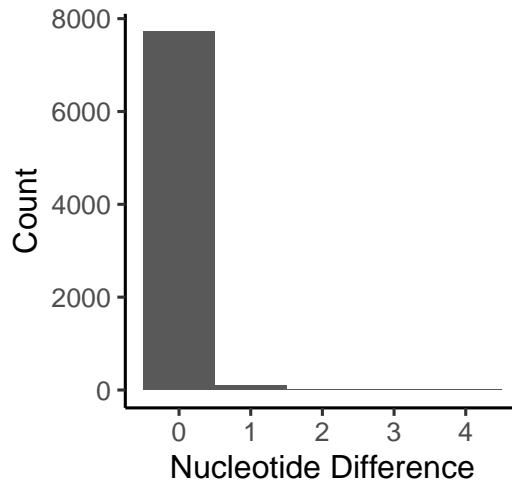
### TRBV24-1\*ap01

1910 sequences assigned  
1882 (98.5%) exact matches, in which:  
1868 unique CDR3  
13 unique J



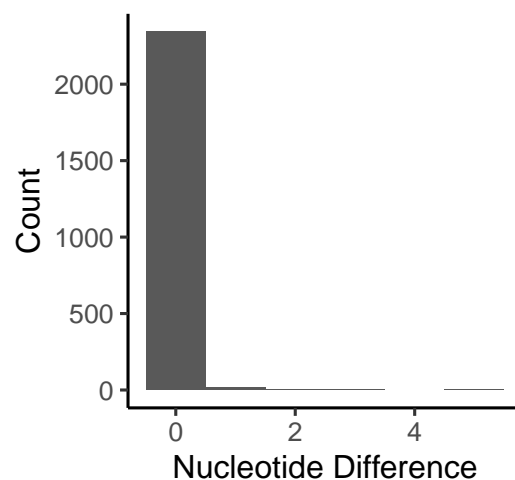
### TRBV5-1\*ap01

7817 sequences assigned  
7718 (98.7%) exact matches, in which:  
7615 unique CDR3  
13 unique J



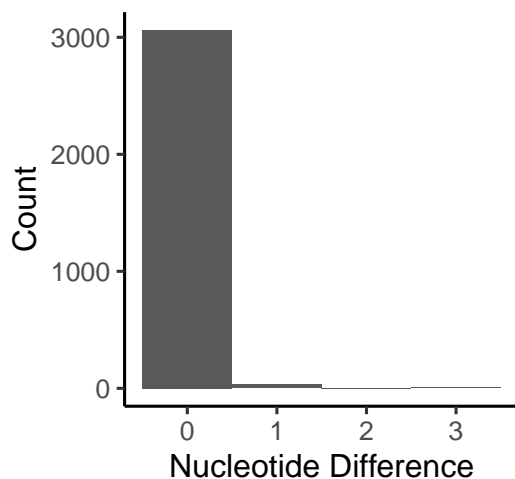
### TRBV5-4\*ap01

2363 sequences assigned  
2343 (99.2%) exact matches, in which:  
2317 unique CDR3  
13 unique J



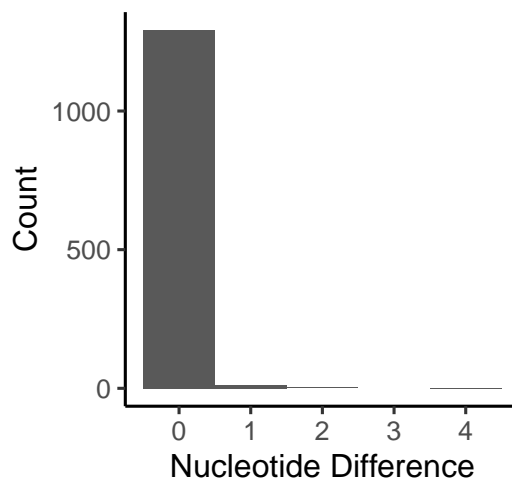
### TRBV4-1\*ap01

3104 sequences assigned  
3062 (98.6%) exact matches, in which:  
3003 unique CDR3  
13 unique J



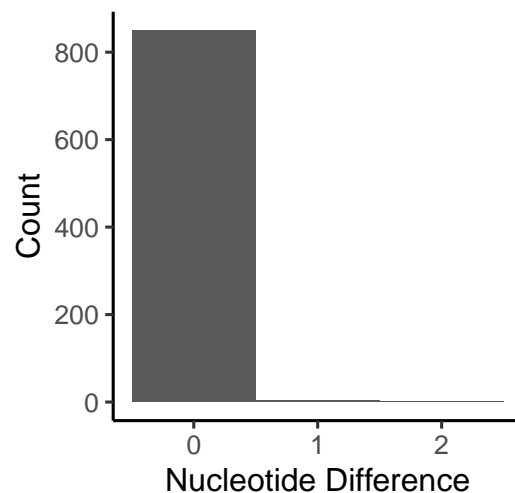
### TRBV25-1\*ap01

1309 sequences assigned  
1292 (98.7%) exact matches, in which:  
1275 unique CDR3  
13 unique J



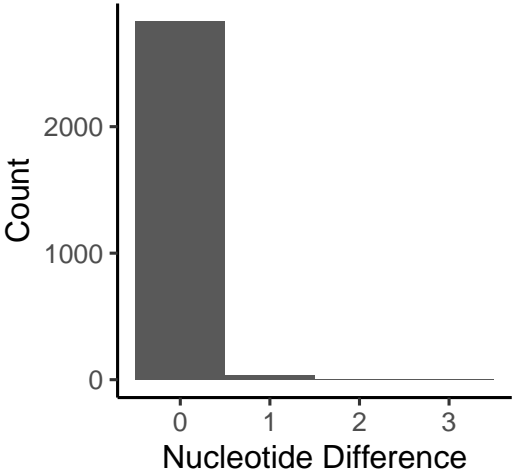
### TRBV5-5\*ap01

855 sequences assigned  
850 (99.4%) exact matches, in which:  
848 unique CDR3  
13 unique J



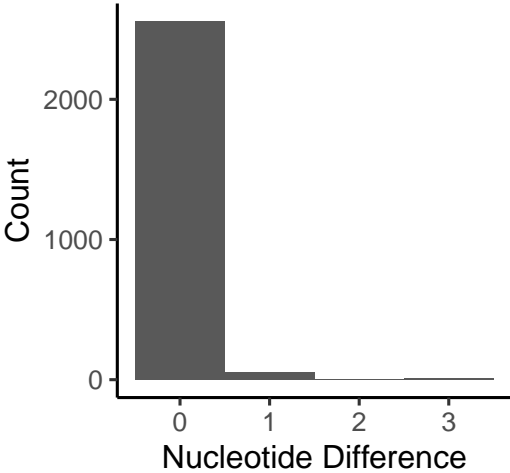
TRBV5-6\*ap01

2874 sequences assigned  
2832 (98.5%) exact matches, in which:  
2789 unique CDR3  
13 unique J



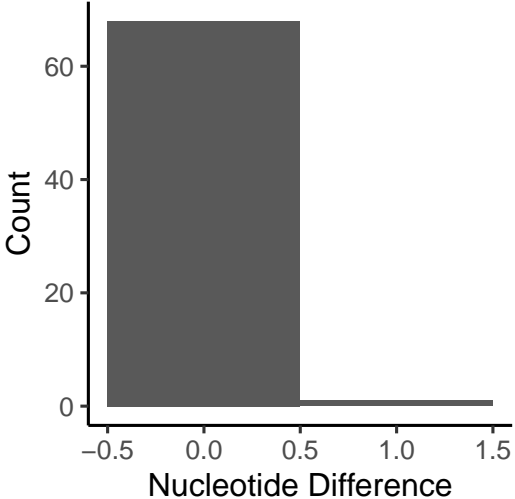
TRBV6-1\*ap01

2626 sequences assigned  
2556 (97.3%) exact matches, in which:  
2517 unique CDR3  
13 unique J



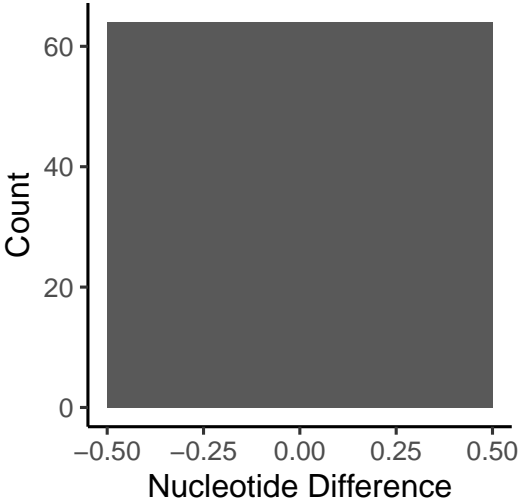
TRBV6-8\*ap01

69 sequences assigned  
68 (98.6%) exact matches, in which:  
67 unique CDR3  
11 unique J



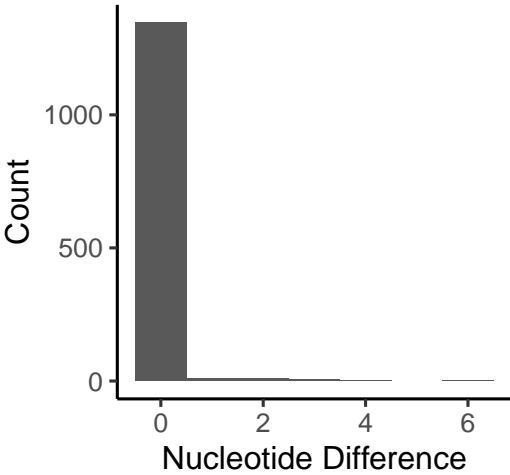
TRBV5-7\*ap01

64 sequences assigned  
64 (100%) exact matches, in which:  
62 unique CDR3  
11 unique J



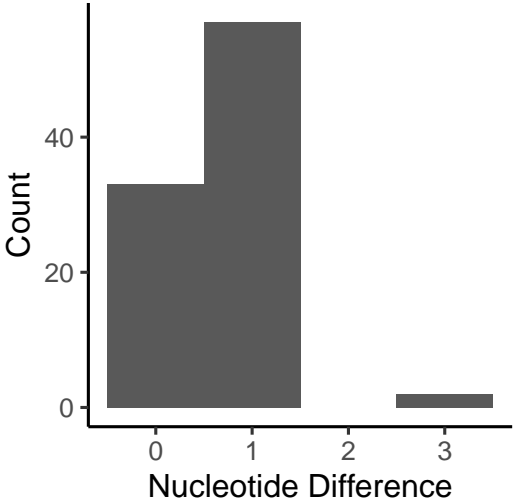
TRBV6-4\*ap01

1370 sequences assigned  
1346 (98.2%) exact matches, in which:  
1342 unique CDR3  
13 unique J



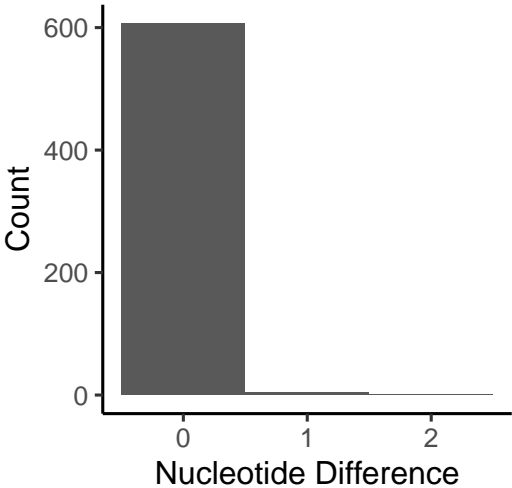
TRBV6-9\*ap01

92 sequences assigned  
33 (35.9%) exact matches, in which:  
32 unique CDR3  
9 unique J



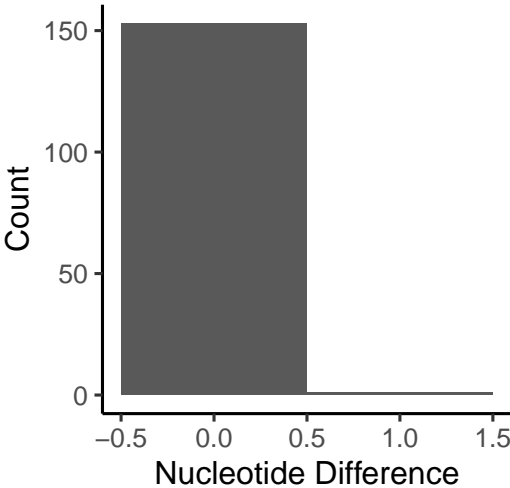
TRBV5-8\*ap01

612 sequences assigned  
607 (99.2%) exact matches, in which:  
604 unique CDR3  
13 unique J



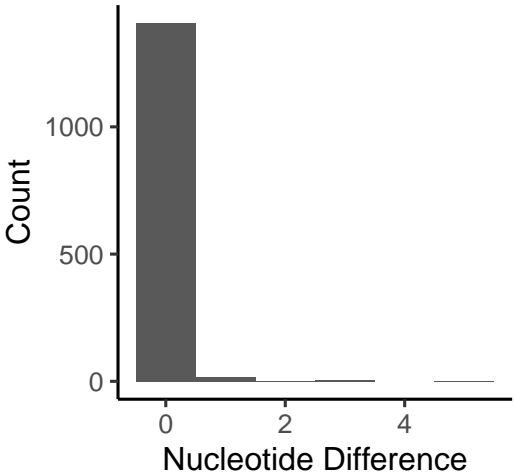
TRBV6-7\*ap01

154 sequences assigned  
153 (99.4%) exact matches, in which:  
150 unique CDR3  
13 unique J



TRBV6-23\*ap01

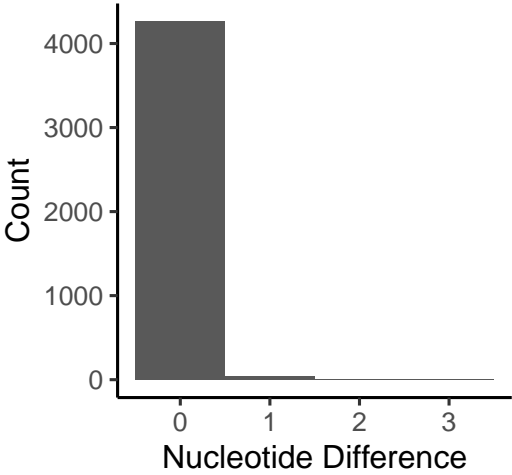
1432 sequences assigned  
1408 (98.3%) exact matches, in which:  
1390 unique CDR3  
13 unique J





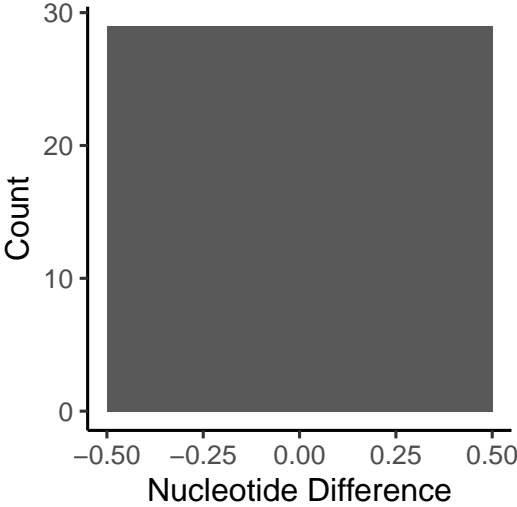
TRBV6-56\*ap01

4313 sequences assigned  
4263 (98.8%) exact matches, in which:  
4195 unique CDR3  
13 unique J



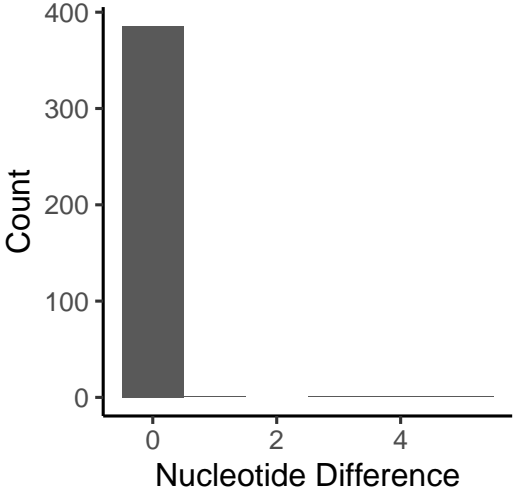
TRBV7-1\*ap01\_G291C\_T

29 sequences assigned  
29 (100%) exact matches, in which:  
29 unique CDR3  
9 unique J



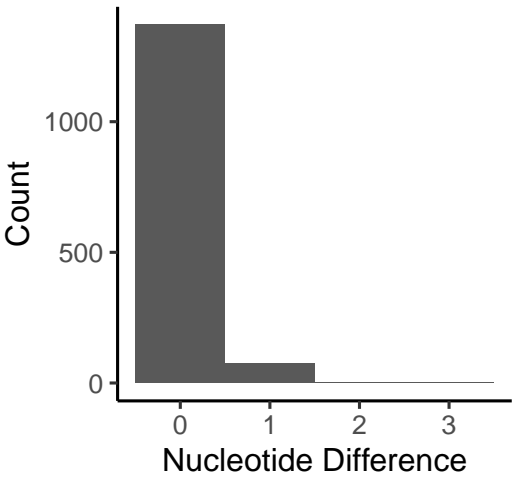
TRBV7-3\*ap03

390 sequences assigned  
386 (99%) exact matches, in which:  
384 unique CDR3  
13 unique J



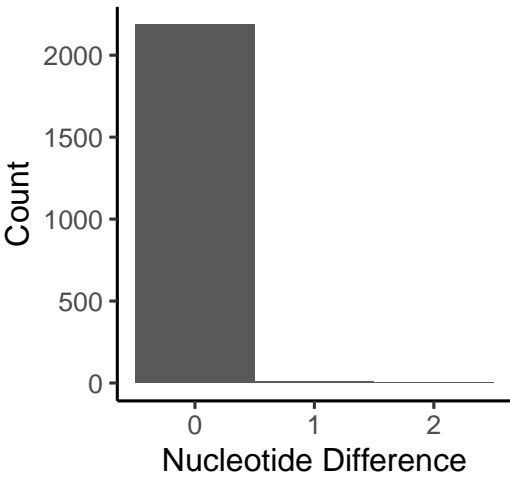
TRBV6-56\*ap02

1447 sequences assigned  
1371 (94.7%) exact matches, in which:  
1349 unique CDR3  
13 unique J



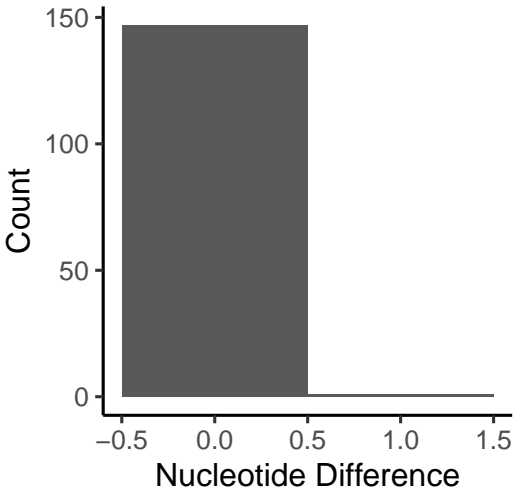
TRBV7-2\*ap01

2195 sequences assigned  
2186 (99.6%) exact matches, in which:  
2175 unique CDR3  
13 unique J



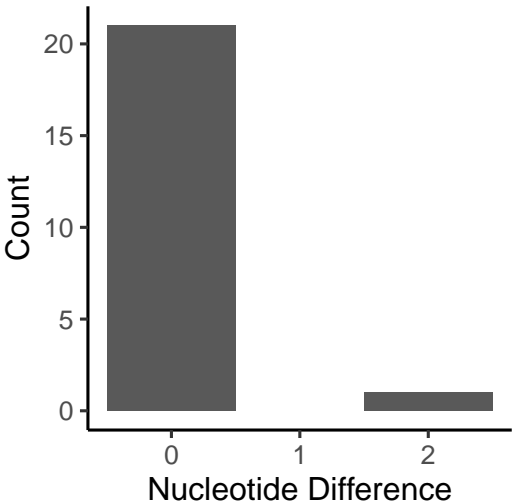
TRBV7-4\*ap01

148 sequences assigned  
147 (99.3%) exact matches, in which:  
146 unique CDR3  
13 unique J



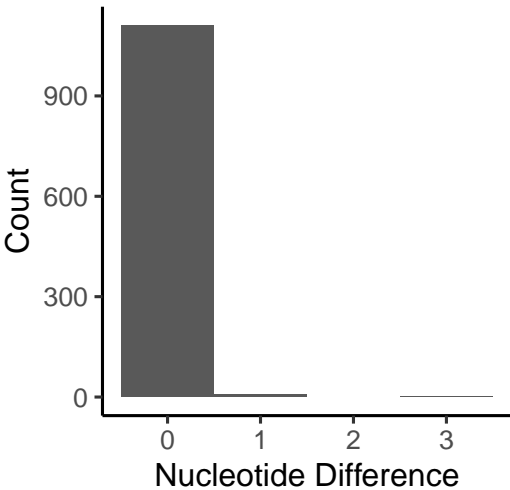
TRBV7-1\*ap01\_G291C\_T

22 sequences assigned  
21 (95.5%) exact matches, in which:  
21 unique CDR3  
7 unique J



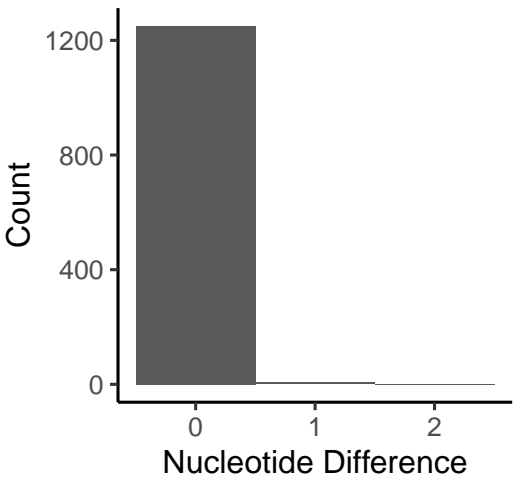
TRBV7-3\*ap01

1120 sequences assigned  
1111 (99.2%) exact matches, in which:  
1106 unique CDR3  
13 unique J



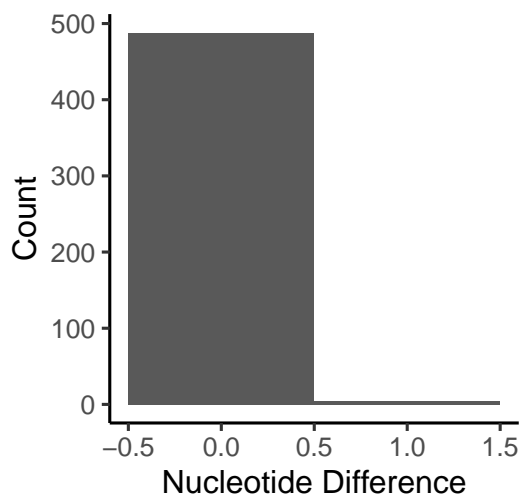
TRBV7-6\*ap01

1257 sequences assigned  
1250 (99.4%) exact matches, in which:  
1242 unique CDR3  
13 unique J



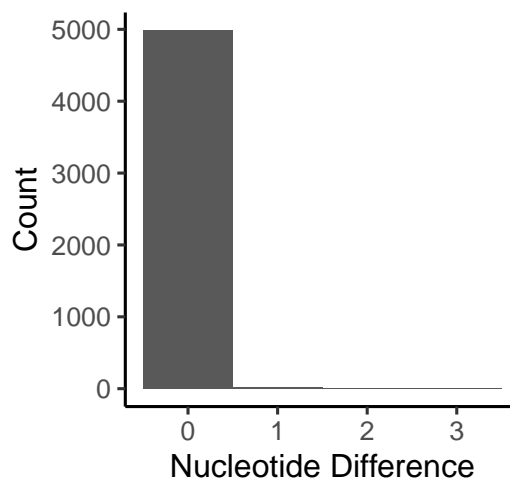
### TRBV7-7\*ap01

492 sequences assigned  
488 (99.2%) exact matches, in which:  
485 unique CDR3  
13 unique J



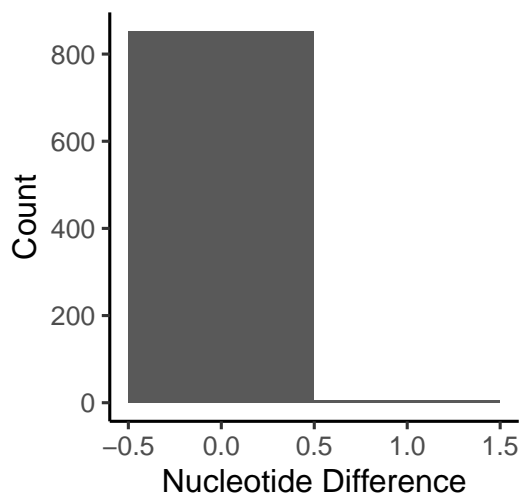
### TRBV7-9\*ap01

5013 sequences assigned  
4985 (99.4%) exact matches, in which:  
4934 unique CDR3  
13 unique J



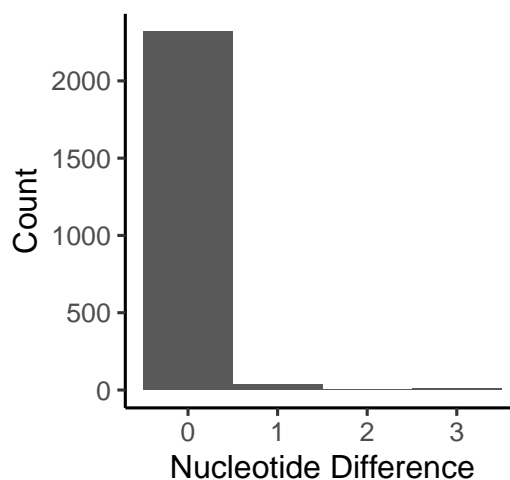
### TRBV7-8\*ap01

858 sequences assigned  
853 (99.4%) exact matches, in which:  
850 unique CDR3  
13 unique J



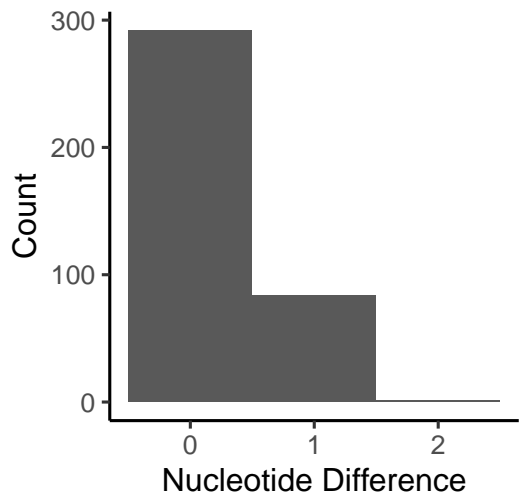
### TRBV29-1\*ap01

2366 sequences assigned  
2318 (98%) exact matches, in which:  
2265 unique CDR3  
13 unique J



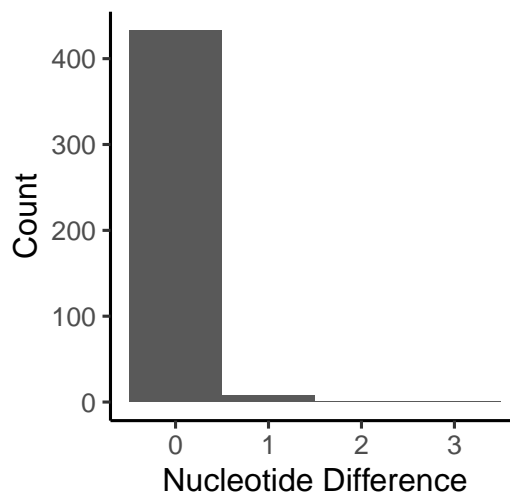
### TRBV7-8\*ap03

377 sequences assigned  
292 (77.5%) exact matches, in which:  
290 unique CDR3  
13 unique J

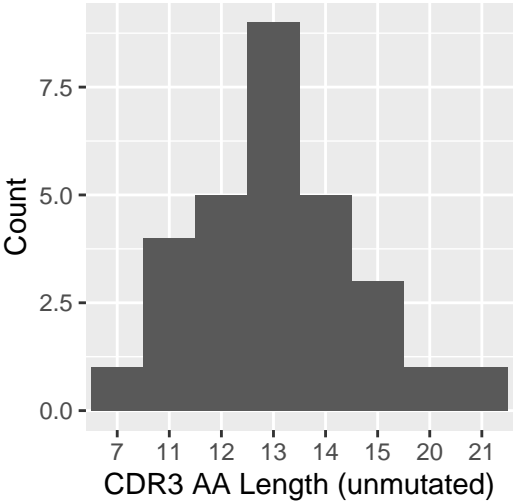


### TRBV29-1\*ap02

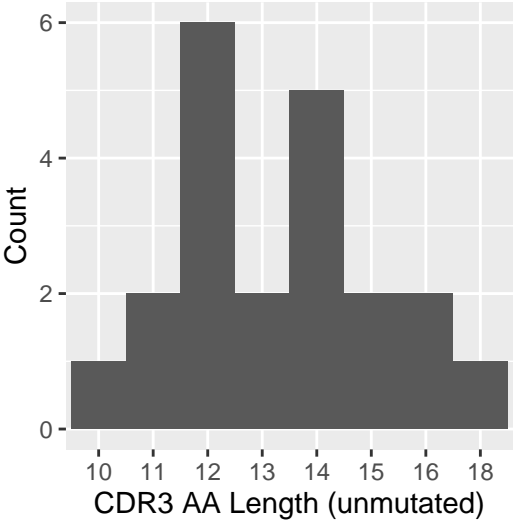
443 sequences assigned  
433 (97.7%) exact matches, in which:  
424 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





Warning – no inferred sequences found.

Warning – no inferred sequences found.