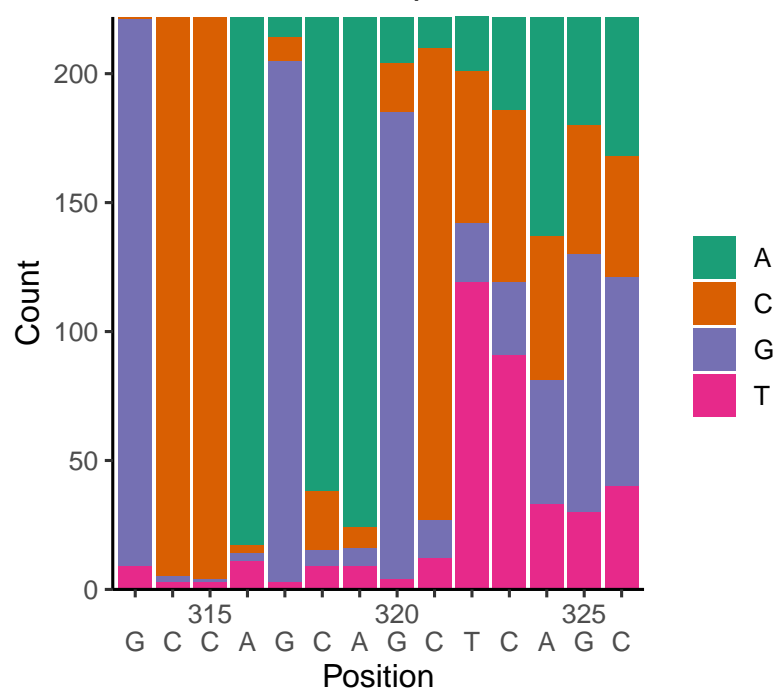
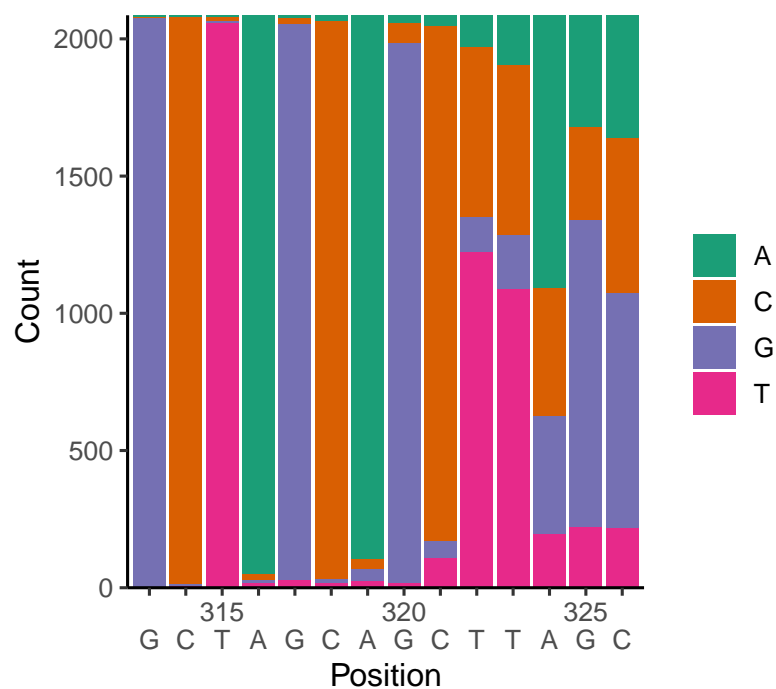


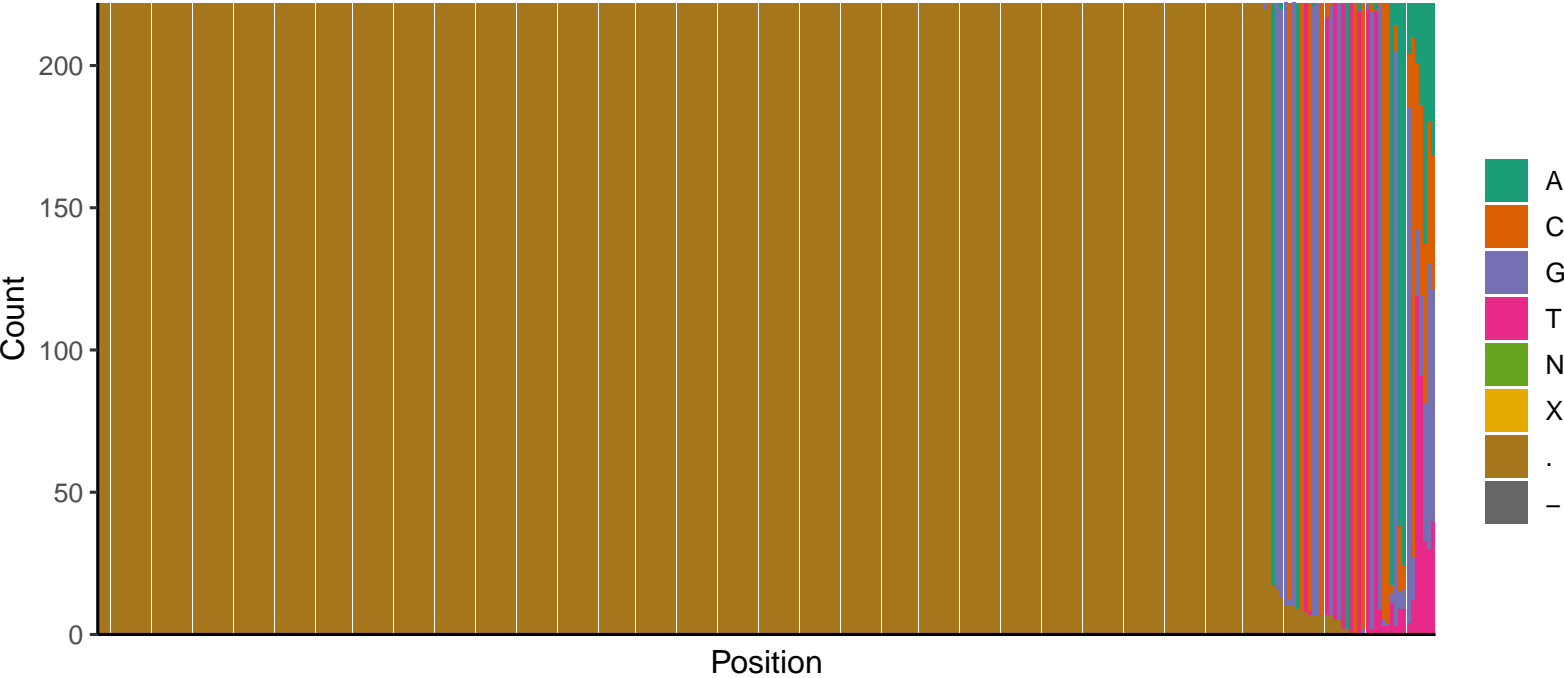
Gene TRBV7-1\*ap01\_G291C\_T296C



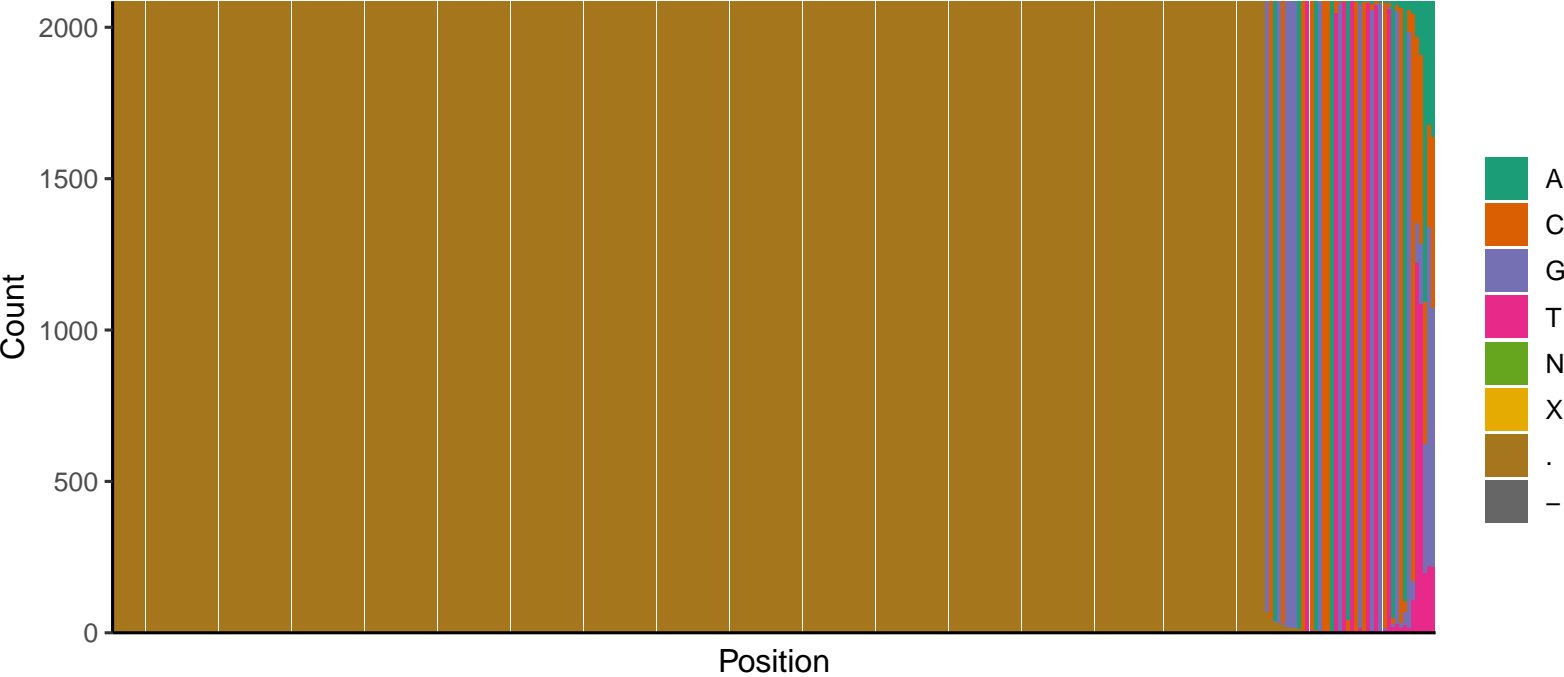
Gene TRBV7-7\*ap01\_C315T



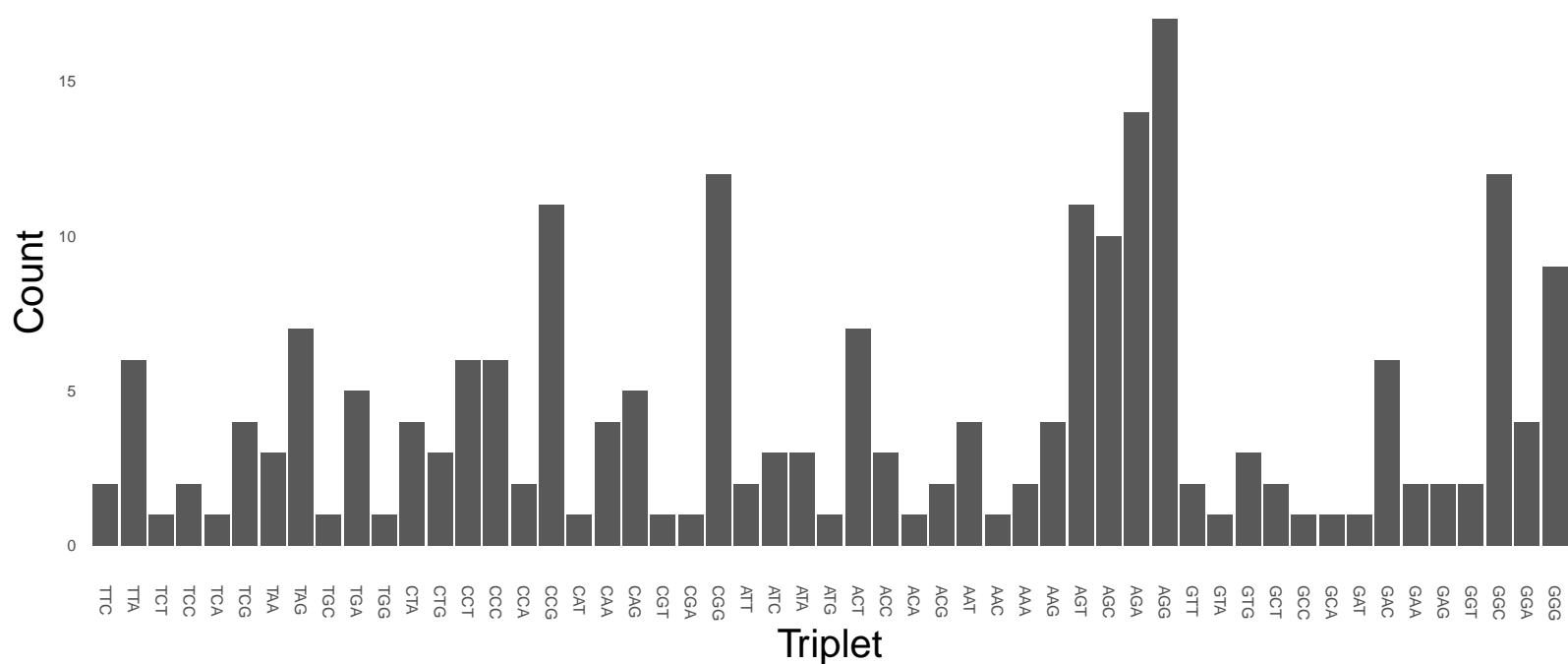
Gene TRBV7-1\*ap01\_G291C\_T296C



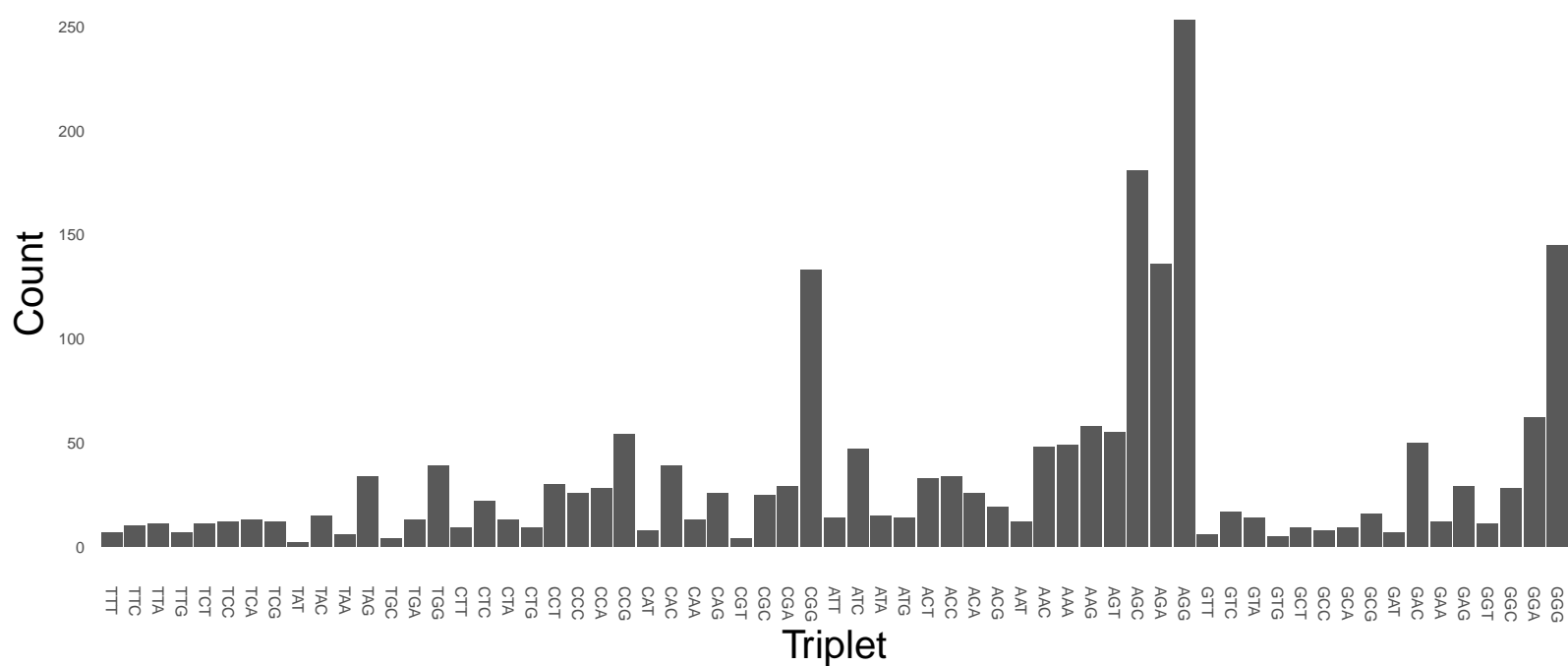
Gene TRBV7-7\*ap01\_C315T



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

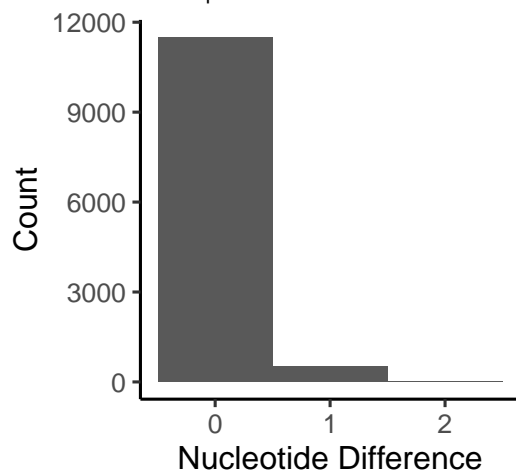


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



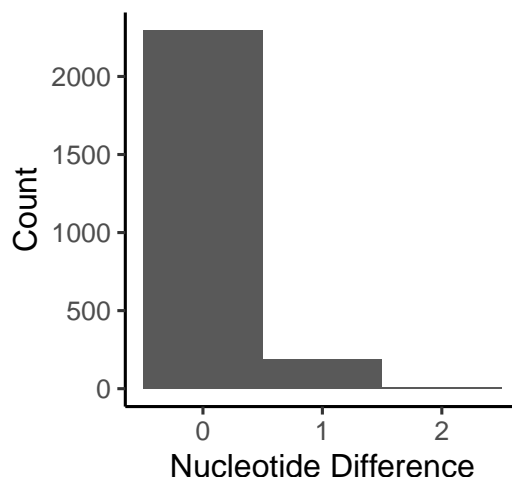
### TRBV20-1\*ap01

12059 sequences assigned  
11502 (95.4%) exact matches, in which:  
11199 unique CDR3  
13 unique J



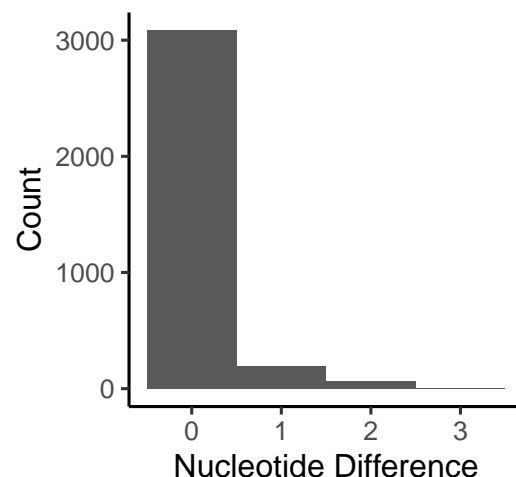
### TRBV10-2\*ap01

2495 sequences assigned  
2295 (92%) exact matches, in which:  
2206 unique CDR3  
13 unique J



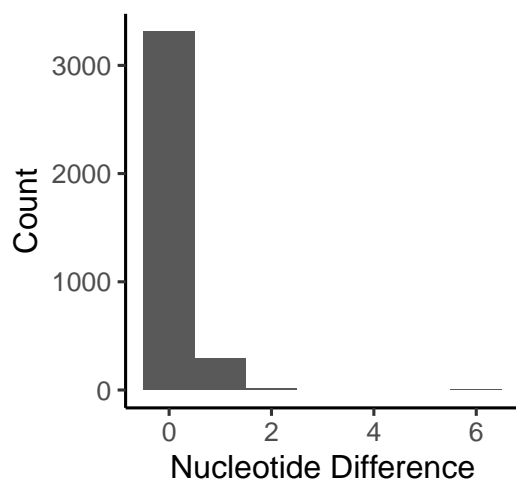
### TRBV13\*ap01

3346 sequences assigned  
3084 (92.2%) exact matches, in which:  
2964 unique CDR3  
13 unique J



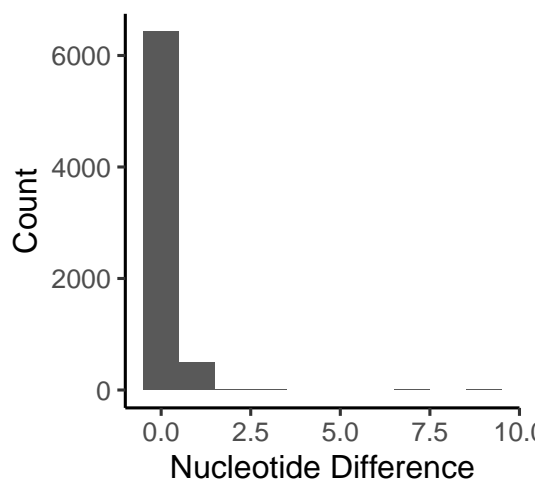
### TRBV10-1\*ap01

3613 sequences assigned  
3311 (91.6%) exact matches, in which:  
3215 unique CDR3  
13 unique J



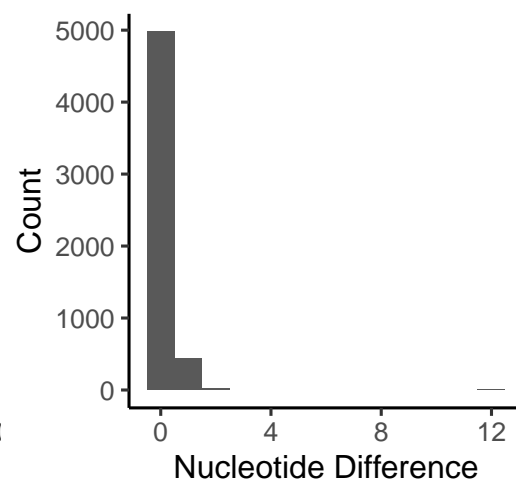
### TRBV10-3\*ap01

6932 sequences assigned  
6426 (92.7%) exact matches, in which:  
6186 unique CDR3  
13 unique J



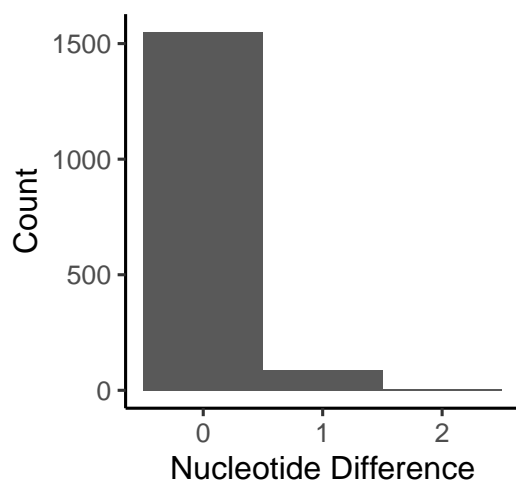
### TRBV14\*ap01

5431 sequences assigned  
4978 (91.7%) exact matches, in which:  
4775 unique CDR3  
13 unique J



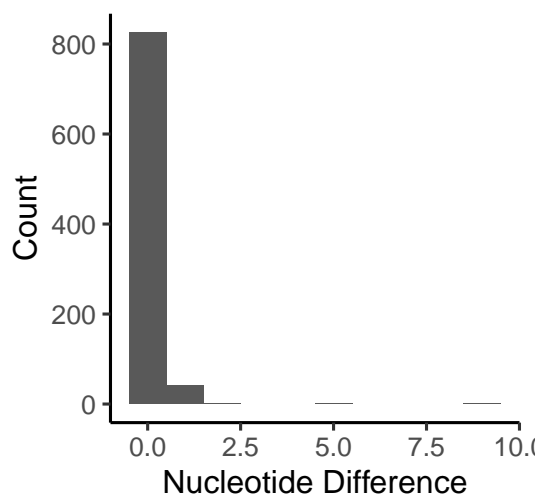
### TRBV20-1\*ap02

1645 sequences assigned  
1550 (94.2%) exact matches, in which:  
1514 unique CDR3  
13 unique J



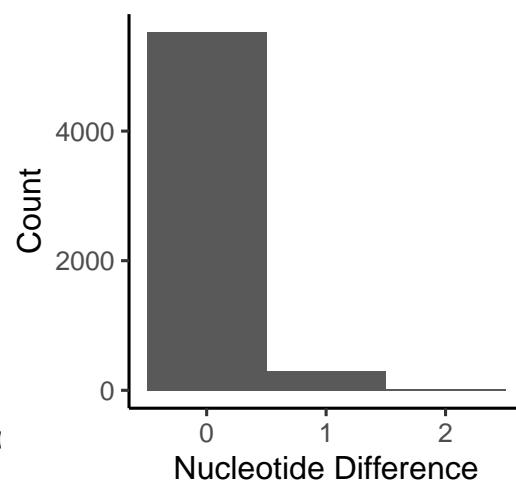
### TRBV1\*ap01

871 sequences assigned  
826 (94.8%) exact matches, in which:  
803 unique CDR3  
13 unique J



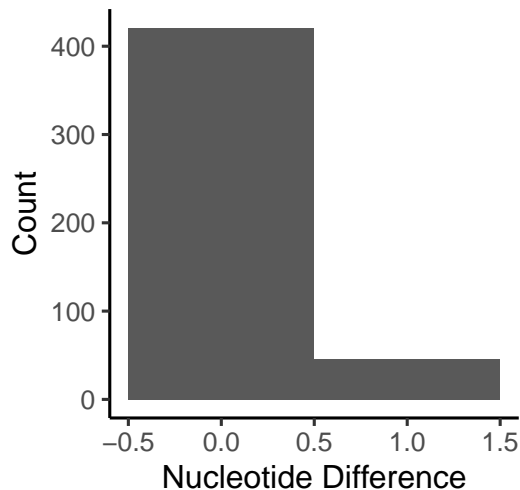
### TRBV15\*ap02

5850 sequences assigned  
5528 (94.5%) exact matches, in which:  
5303 unique CDR3  
13 unique J



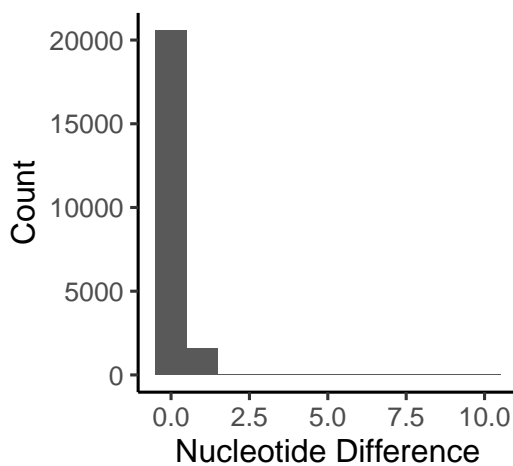
### TRBV16\*ap01

467 sequences assigned  
421 (90.1%) exact matches, in which:  
403 unique CDR3  
13 unique J



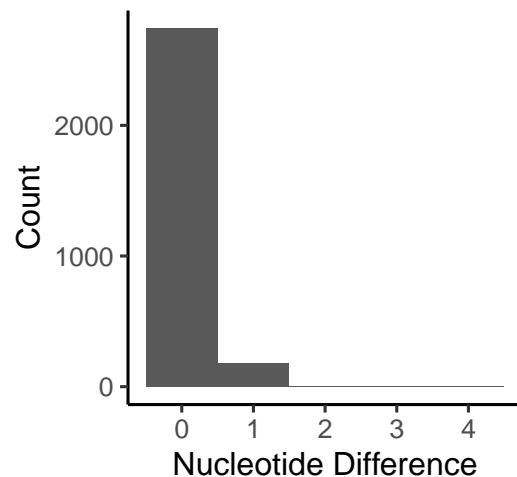
### TRBV19\*ap01

22239 sequences assigned  
20591 (92.6%) exact matches, in which:  
19832 unique CDR3  
13 unique J



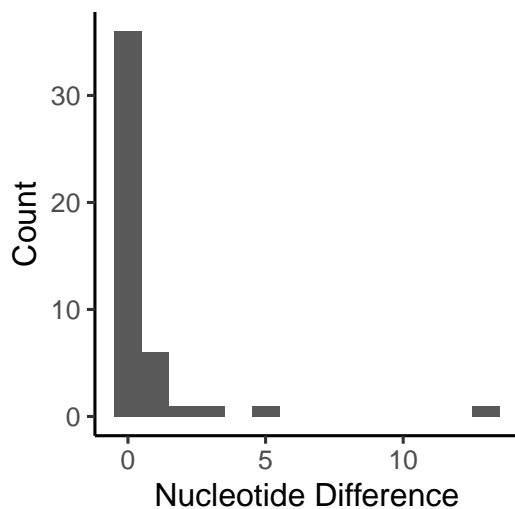
### TRBV28\*ap01

2934 sequences assigned  
2742 (93.5%) exact matches, in which:  
2620 unique CDR3  
13 unique J



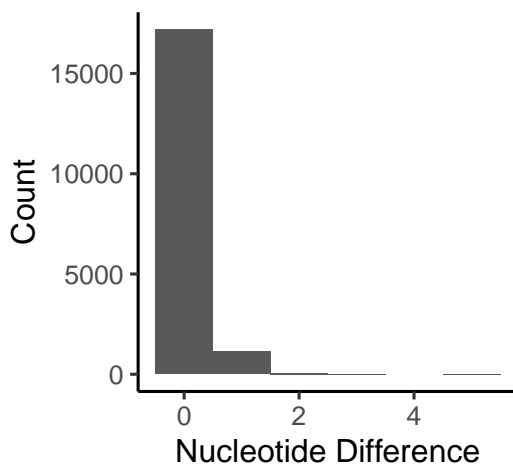
### TRBV17\*ap01

46 sequences assigned  
36 (78.3%) exact matches, in which:  
35 unique CDR3  
10 unique J



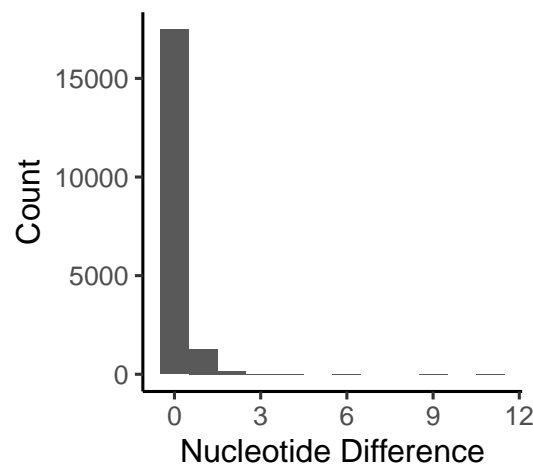
### TRBV2\*ap01

18389 sequences assigned  
17195 (93.5%) exact matches, in which:  
16677 unique CDR3  
13 unique J



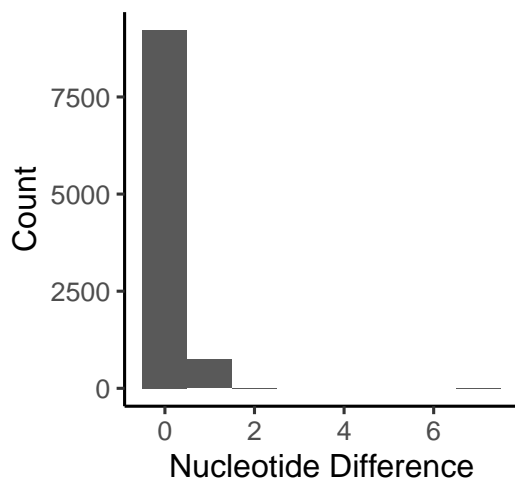
### TRBV30\*ap01

18942 sequences assigned  
17482 (92.3%) exact matches, in which:  
17187 unique CDR3  
13 unique J



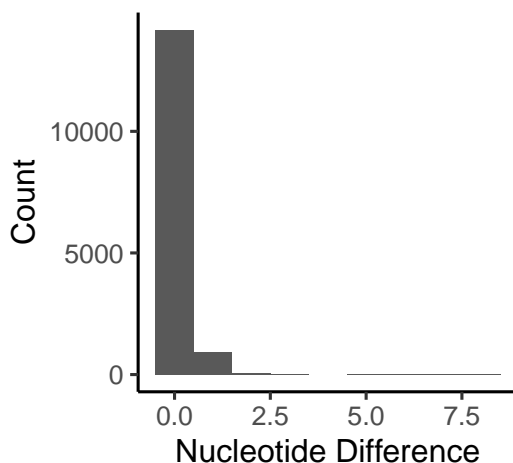
### TRBV18\*ap01

9970 sequences assigned  
9222 (92.5%) exact matches, in which:  
8830 unique CDR3  
13 unique J



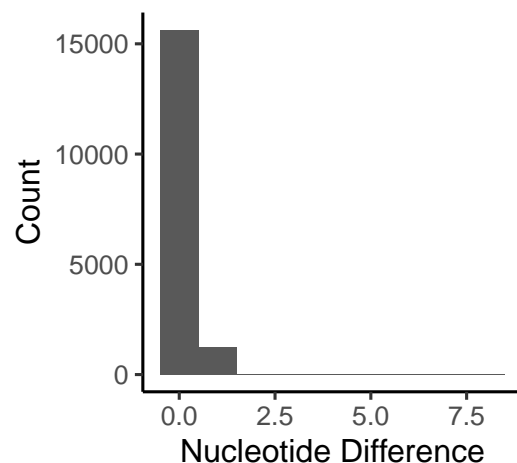
### TRBV27\*ap01

15158 sequences assigned  
14175 (93.5%) exact matches, in which:  
13557 unique CDR3  
13 unique J



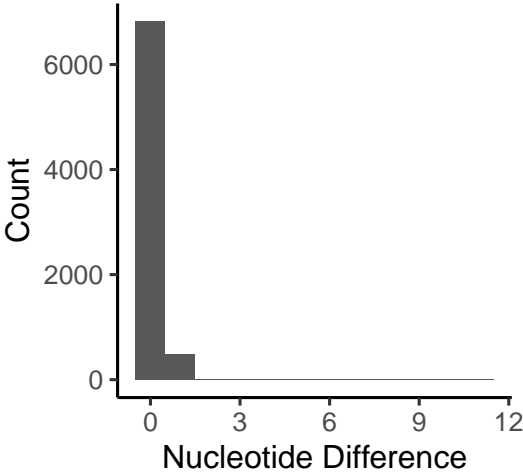
### TRBV9\*ap01

16953 sequences assigned  
15636 (92.2%) exact matches, in which:  
15006 unique CDR3  
13 unique J



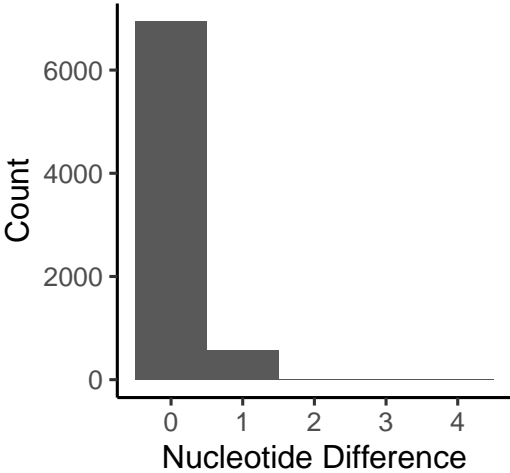
TRBV21-1\*ap01

7368 sequences assigned  
6821 (92.6%) exact matches, in which:  
6510 unique CDR3  
13 unique J



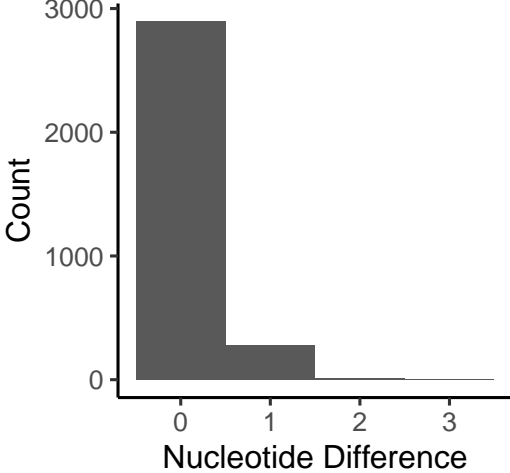
TRBV11-3\*ap01

7529 sequences assigned  
6943 (92.2%) exact matches, in which:  
6663 unique CDR3  
13 unique J



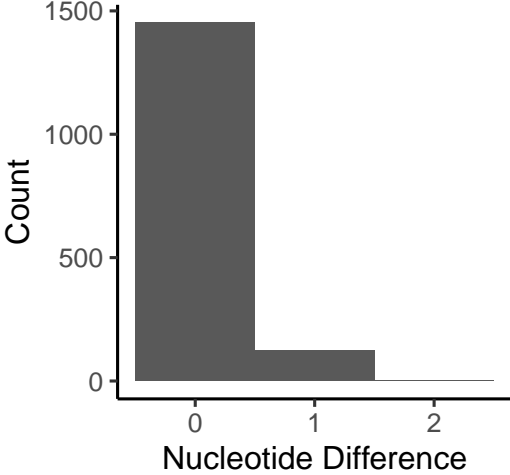
TRBV12-5\*ap01

3188 sequences assigned  
2896 (90.8%) exact matches, in which:  
2789 unique CDR3  
13 unique J



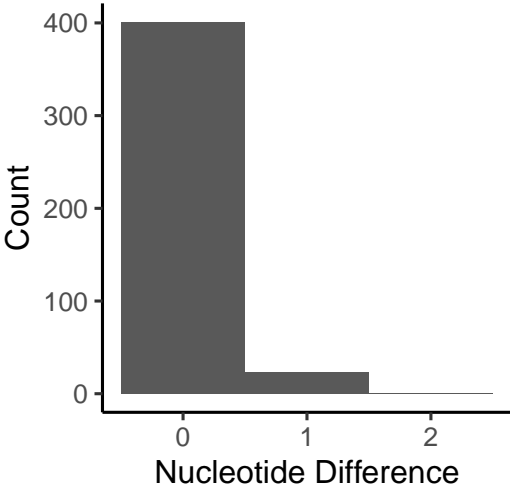
TRBV11-1\*ap01

1578 sequences assigned  
1452 (92%) exact matches, in which:  
1396 unique CDR3  
13 unique J



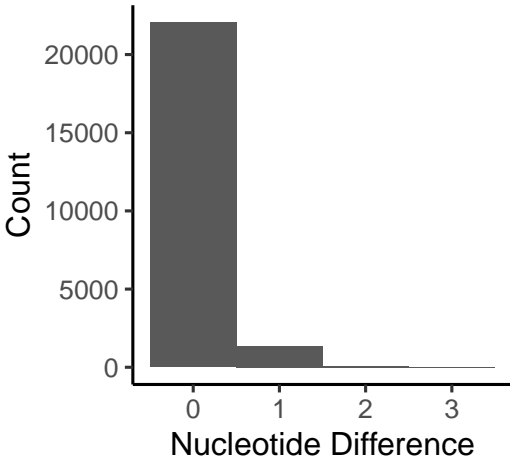
TRBV12-1\*ap01

425 sequences assigned  
401 (94.4%) exact matches, in which:  
379 unique CDR3  
13 unique J



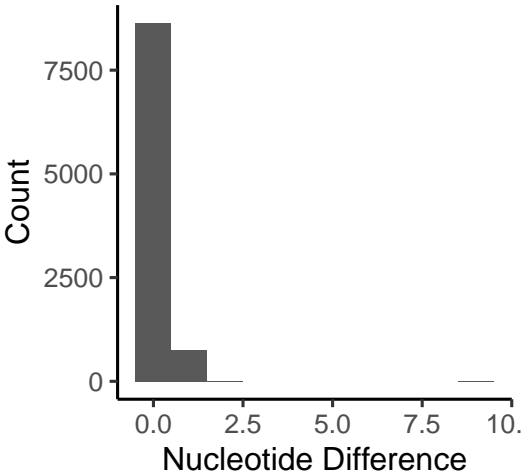
TRBV12-34\*ap01

23501 sequences assigned  
22053 (93.8%) exact matches, in which:  
21307 unique CDR3  
13 unique J



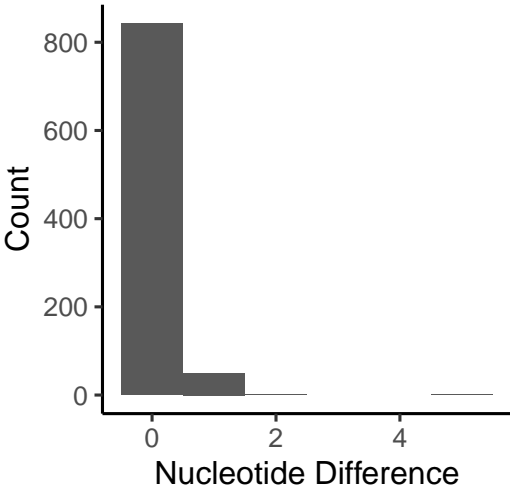
TRBV11-2\*ap01

9399 sequences assigned  
8636 (91.9%) exact matches, in which:  
8250 unique CDR3  
13 unique J



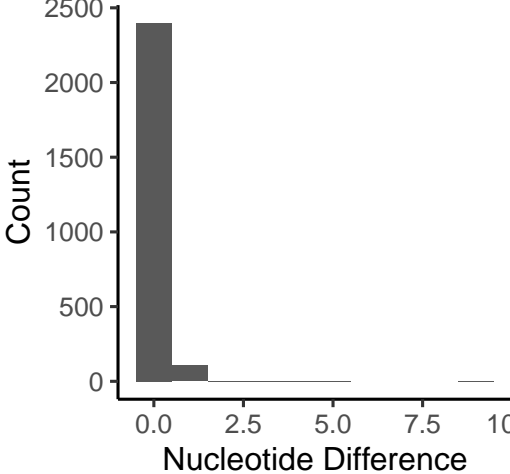
TRBV12-2\*ap01

896 sequences assigned  
843 (94.1%) exact matches, in which:  
802 unique CDR3  
13 unique J



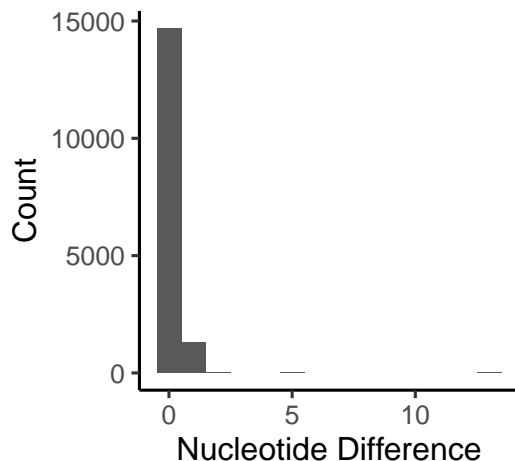
TRBV23-1\*ap01

2510 sequences assigned  
2398 (95.5%) exact matches, in which:  
2334 unique CDR3  
13 unique J



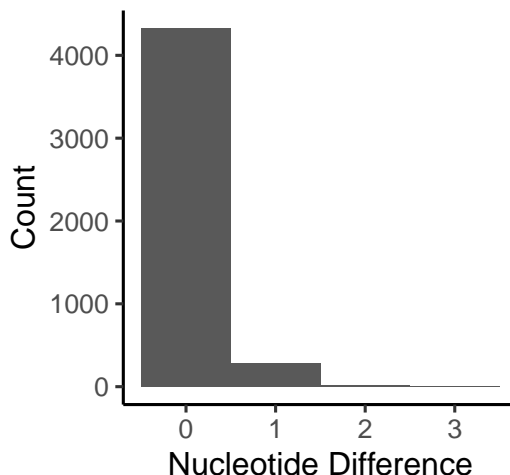
### TRBV3-12\*ap01

16004 sequences assigned  
14696 (91.8%) exact matches, in which:  
14100 unique CDR3  
13 unique J



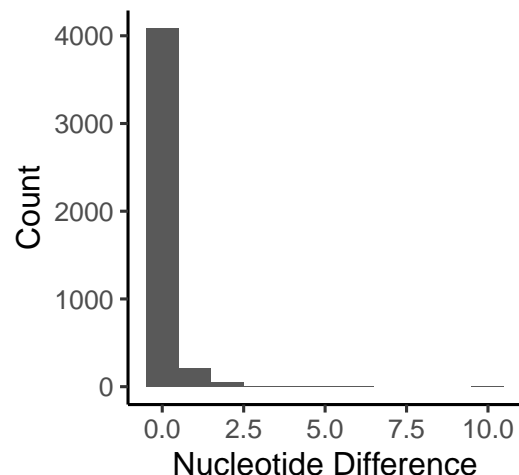
### TRBV4-2\*ap01

4624 sequences assigned  
4325 (93.5%) exact matches, in which:  
4163 unique CDR3  
13 unique J



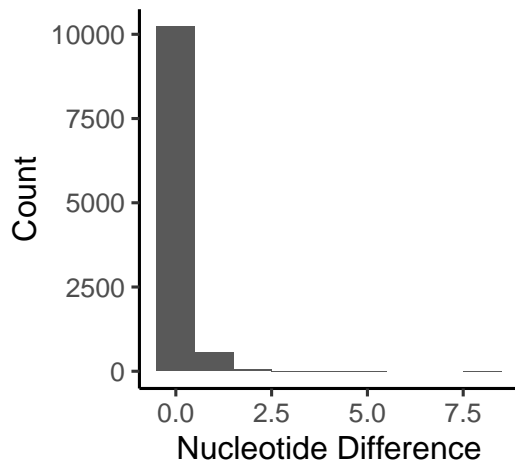
### TRBV25-1\*ap01

4362 sequences assigned  
4084 (93.6%) exact matches, in which:  
3971 unique CDR3  
13 unique J



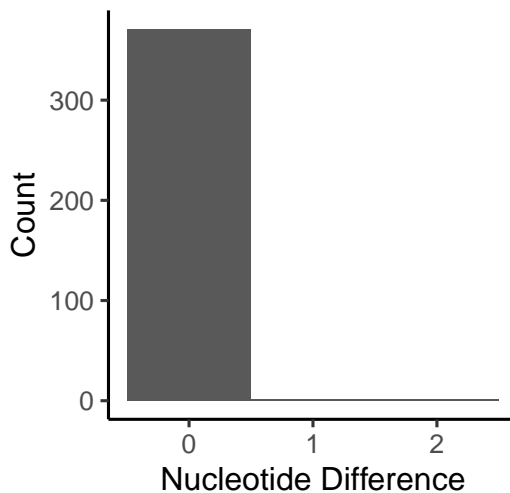
### TRBV4-1\*ap01

10858 sequences assigned  
10232 (94.2%) exact matches, in which:  
10001 unique CDR3  
13 unique J



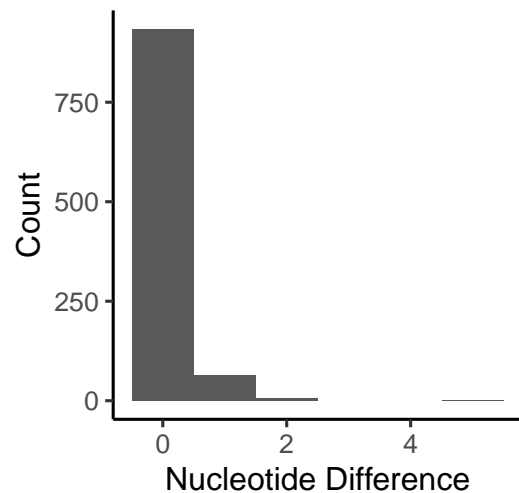
### TRBV4-3\*ap01

375 sequences assigned  
371 (98.9%) exact matches, in which:  
368 unique CDR3  
13 unique J



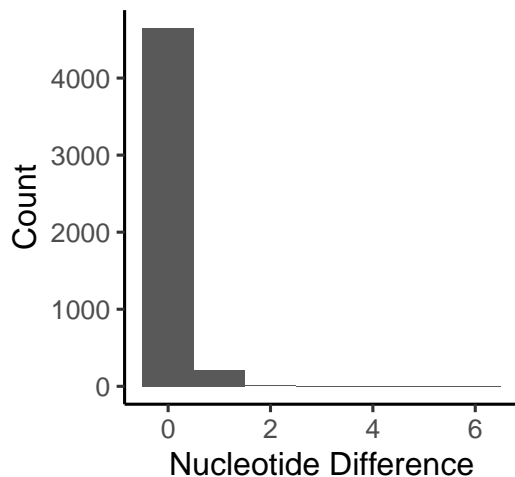
### TRBV5-3\*ap01

1006 sequences assigned  
934 (92.8%) exact matches, in which:  
885 unique CDR3  
13 unique J



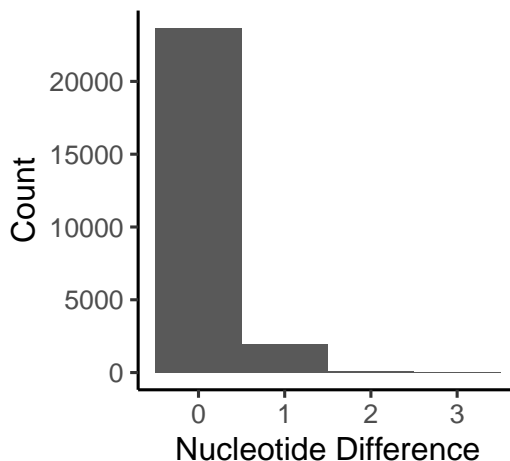
### TRBV24-1\*ap01

4878 sequences assigned  
4649 (95.3%) exact matches, in which:  
4515 unique CDR3  
13 unique J



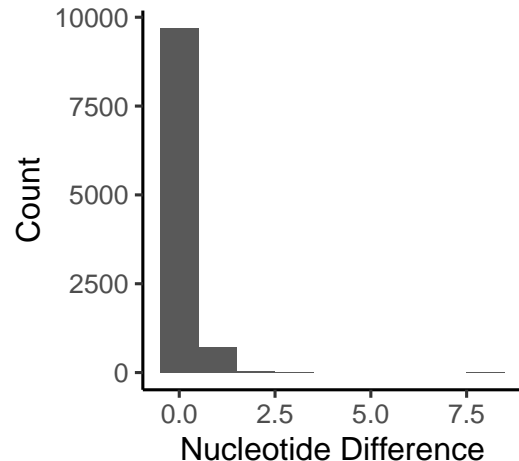
### TRBV5-1\*ap01

25679 sequences assigned  
23683 (92.2%) exact matches, in which:  
22910 unique CDR3  
13 unique J



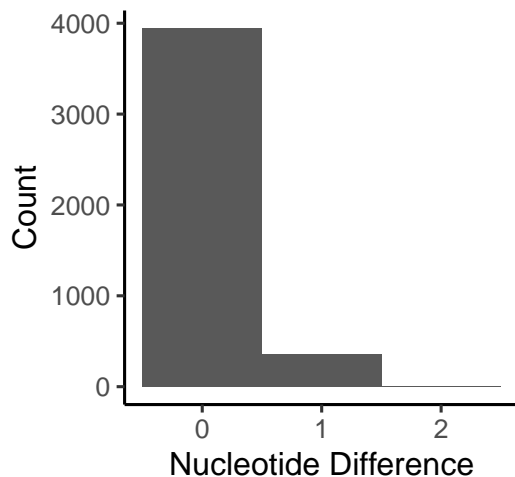
### TRBV5-4\*ap01

10444 sequences assigned  
9703 (92.9%) exact matches, in which:  
9370 unique CDR3  
13 unique J



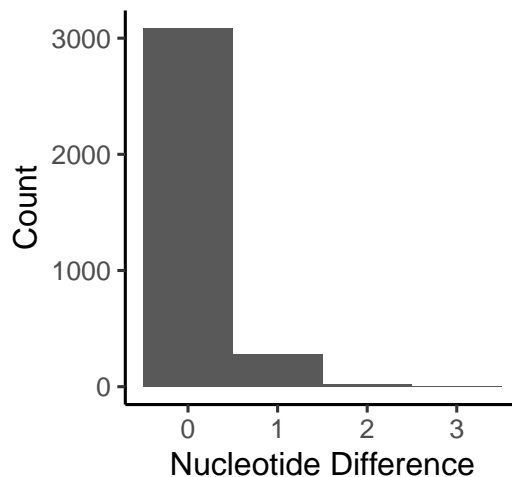
### TRBV5-5\*ap01

4305 sequences assigned  
3943 (91.6%) exact matches, in which:  
3732 unique CDR3  
13 unique J



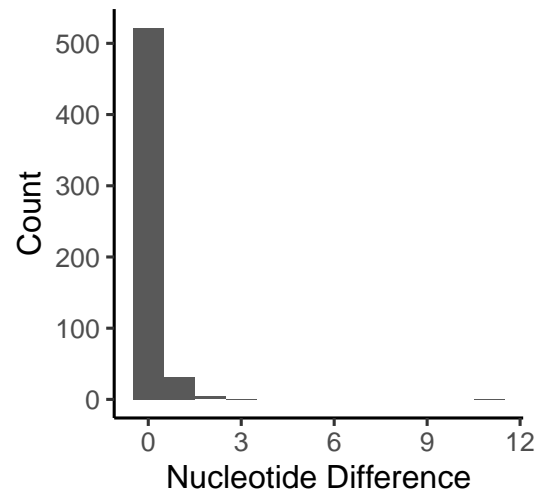
### TRBV5-8\*ap01

3388 sequences assigned  
3084 (91%) exact matches, in which:  
2974 unique CDR3  
13 unique J



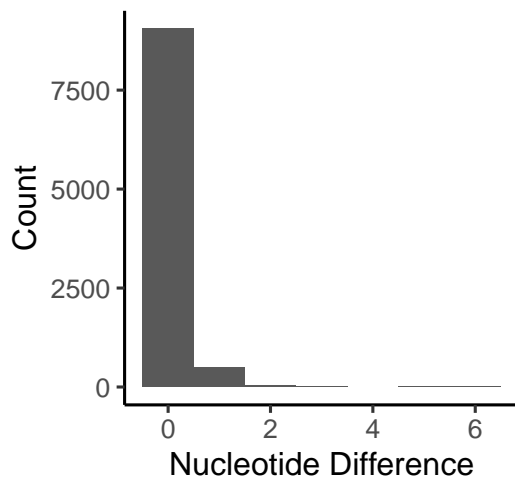
### TRBV6-7\*ap01

560 sequences assigned  
522 (93.2%) exact matches, in which:  
507 unique CDR3  
13 unique J



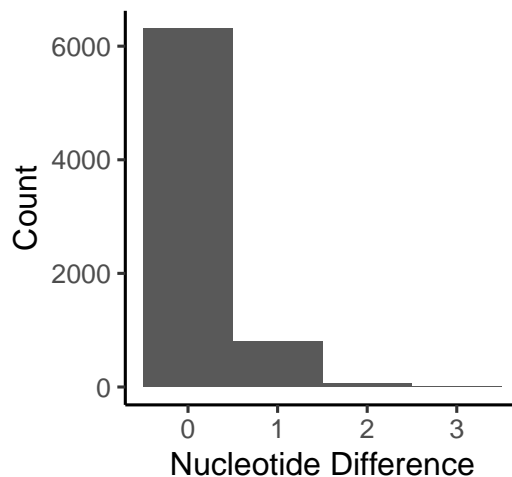
### TRBV5-6\*ap01

9590 sequences assigned  
9051 (94.4%) exact matches, in which:  
8584 unique CDR3  
13 unique J



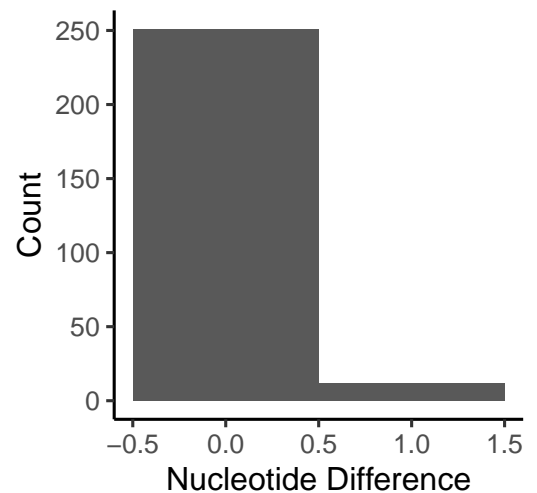
### TRBV6-1\*ap01

7180 sequences assigned  
6307 (87.8%) exact matches, in which:  
6040 unique CDR3  
13 unique J



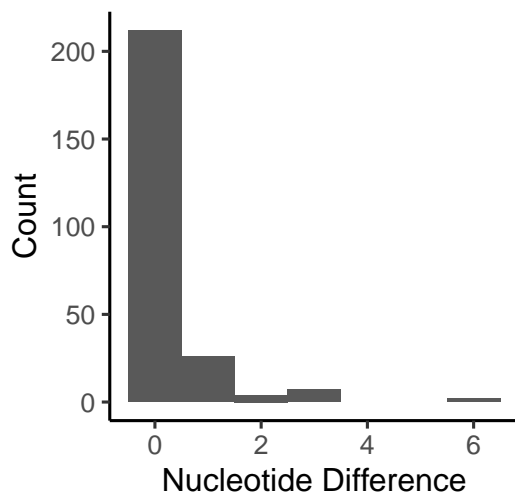
### TRBV6-8\*ap01

263 sequences assigned  
251 (95.4%) exact matches, in which:  
248 unique CDR3  
13 unique J



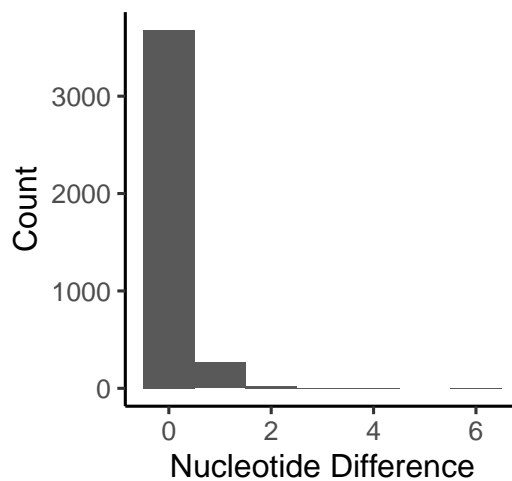
### TRBV5-7\*ap01

251 sequences assigned  
212 (84.5%) exact matches, in which:  
208 unique CDR3  
12 unique J



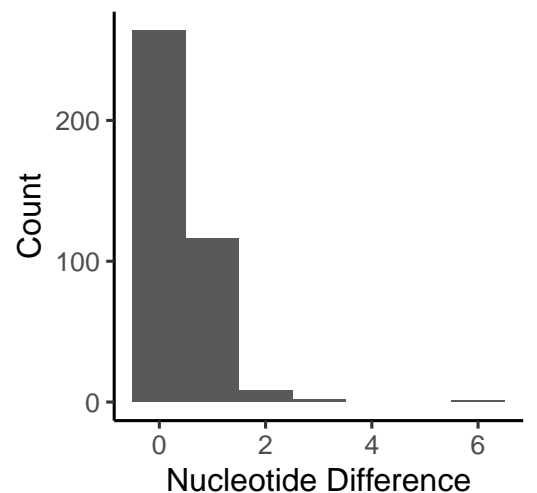
### TRBV6-4\*ap01

3969 sequences assigned  
3679 (92.7%) exact matches, in which:  
3539 unique CDR3  
13 unique J



### TRBV6-9\*ap01

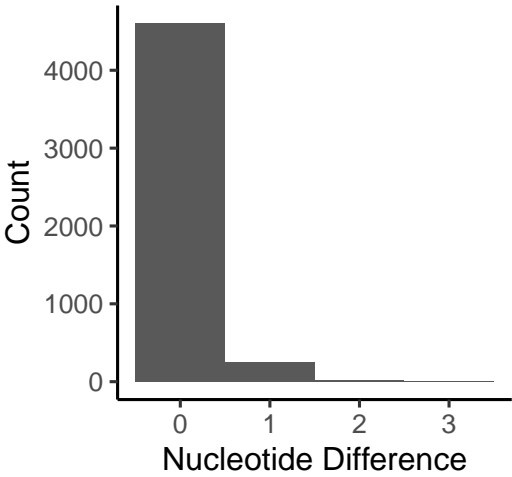
391 sequences assigned  
264 (67.5%) exact matches, in which:  
253 unique CDR3  
13 unique J





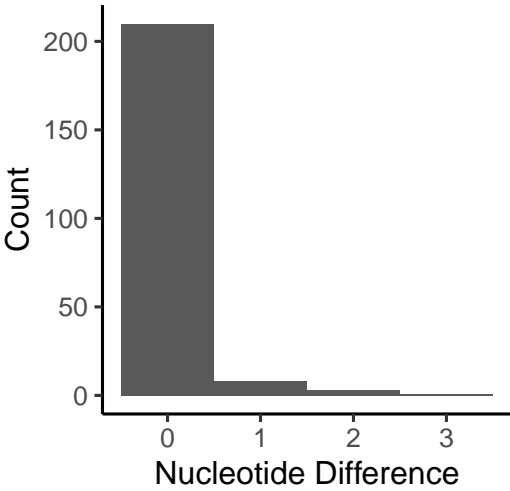
TRBV6-23\*ap01

4876 sequences assigned  
4602 (94.4%) exact matches, in which:  
4476 unique CDR3  
13 unique J



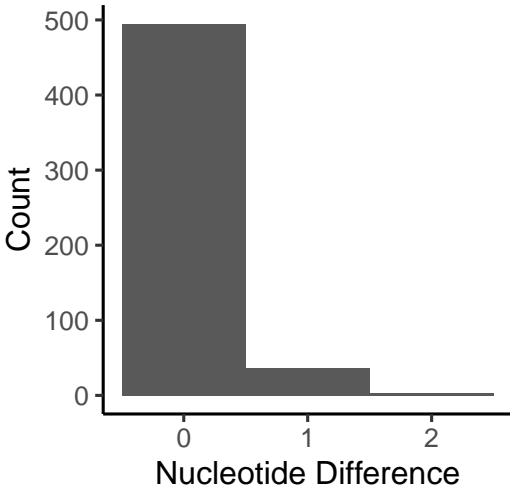
TRBV7-1\*ap01\_G291C\_

222 sequences assigned  
210 (94.6%) exact matches, in which:  
201 unique CDR3  
13 unique J



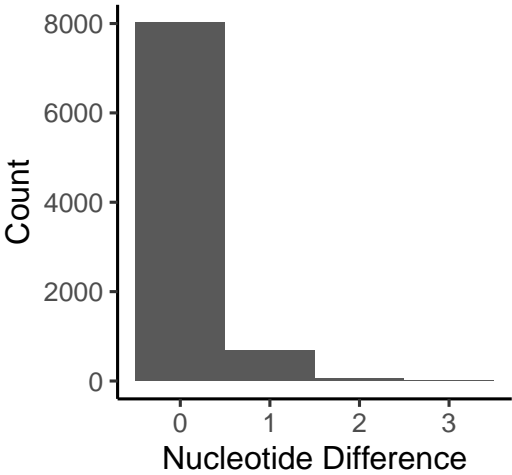
TRBV7-4\*ap01

534 sequences assigned  
495 (92.7%) exact matches, in which:  
467 unique CDR3  
13 unique J



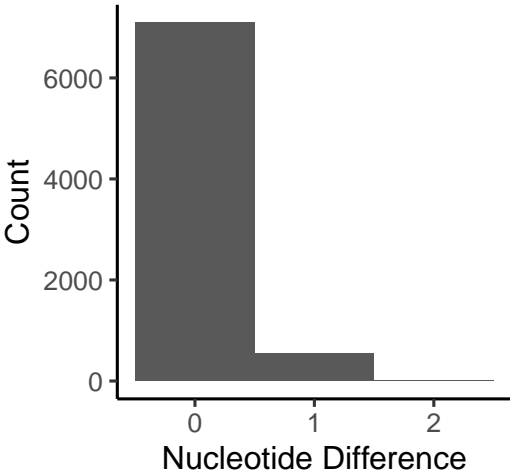
TRBV6-56\*ap01

8763 sequences assigned  
8018 (91.5%) exact matches, in which:  
7682 unique CDR3  
13 unique J



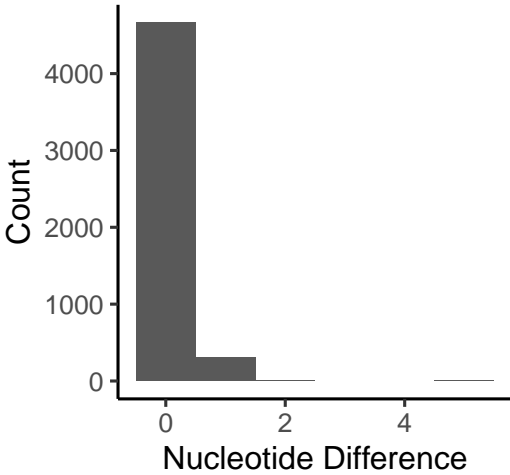
TRBV7-2\*ap01

7646 sequences assigned  
7093 (92.8%) exact matches, in which:  
6806 unique CDR3  
13 unique J



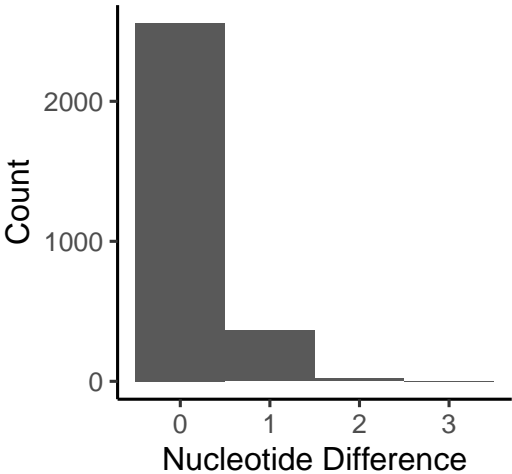
TRBV7-6\*ap01

4974 sequences assigned  
4662 (93.7%) exact matches, in which:  
4456 unique CDR3  
13 unique J



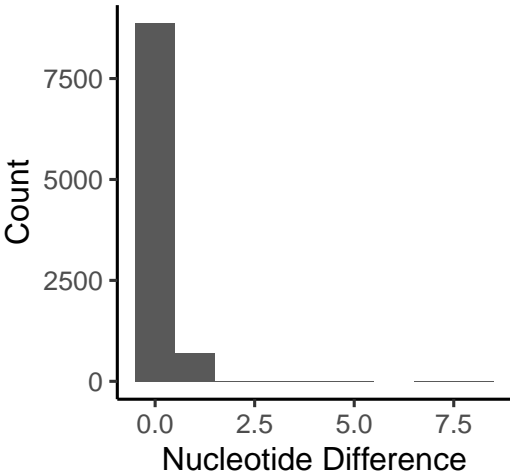
TRBV6-56\*ap02

2946 sequences assigned  
2559 (86.9%) exact matches, in which:  
2460 unique CDR3  
13 unique J



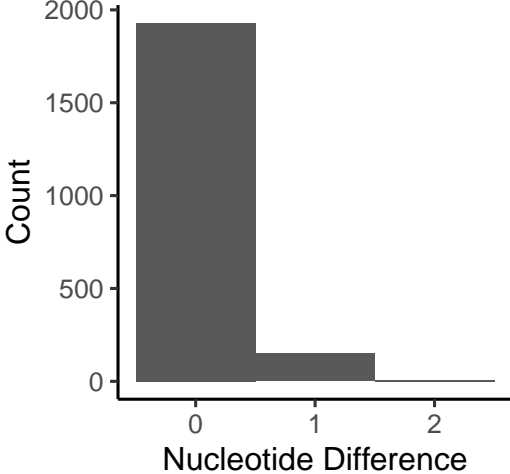
TRBV7-3\*ap01

9594 sequences assigned  
8875 (92.5%) exact matches, in which:  
8498 unique CDR3  
13 unique J



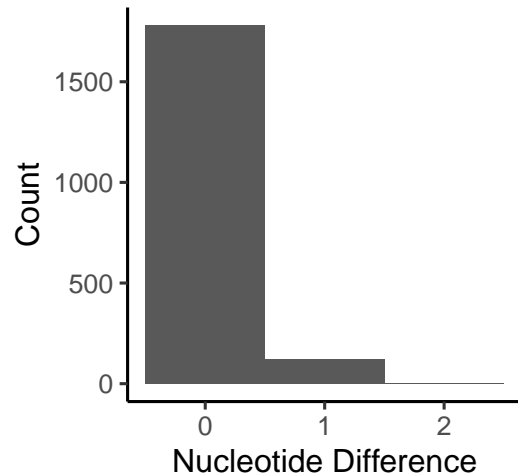
TRBV7-7\*ap01\_C315T

2086 sequences assigned  
1929 (92.5%) exact matches, in which:  
1866 unique CDR3  
13 unique J



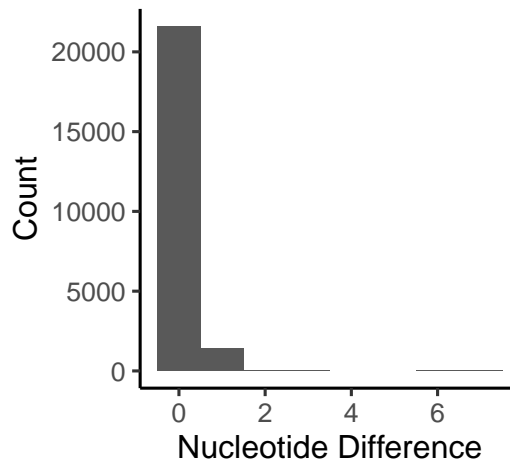
### TRBV7-8\*ap01

1906 sequences assigned  
1780 (93.4%) exact matches, in which:  
1707 unique CDR3  
13 unique J



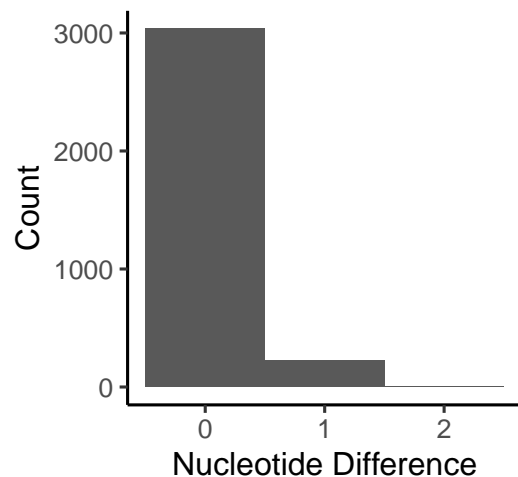
### TRBV7-9\*ap01

23048 sequences assigned  
21611 (93.8%) exact matches, in which:  
20871 unique CDR3  
13 unique J



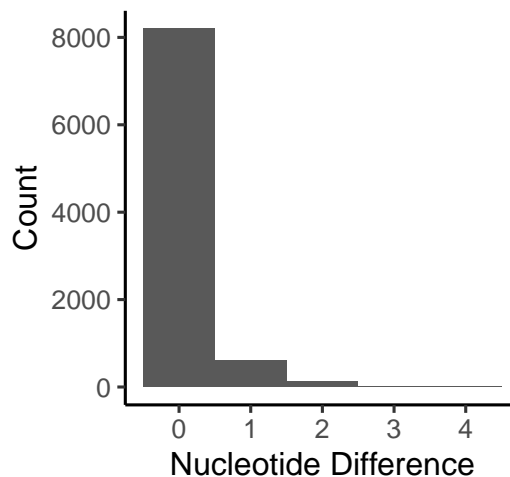
### TRBV7-8\*ap02

3266 sequences assigned  
3036 (93%) exact matches, in which:  
2901 unique CDR3  
13 unique J



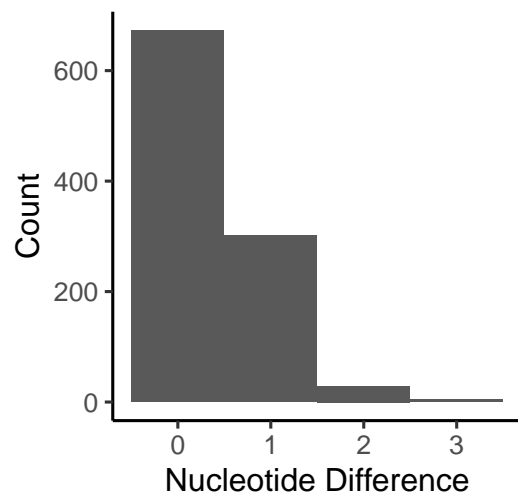
### TRBV29-1\*ap01

8928 sequences assigned  
8198 (91.8%) exact matches, in which:  
8070 unique CDR3  
13 unique J



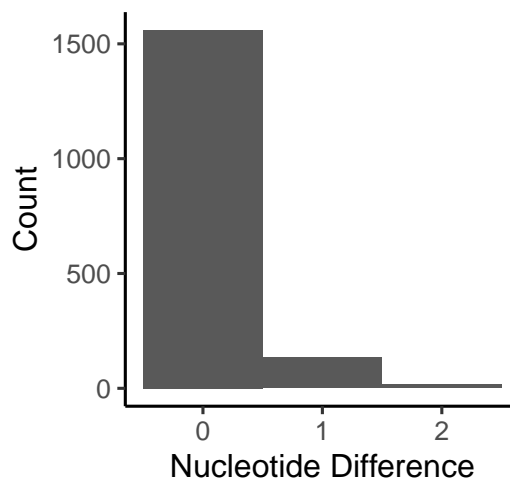
### TRBV7-8\*ap03

1009 sequences assigned  
673 (66.7%) exact matches, in which:  
651 unique CDR3  
13 unique J

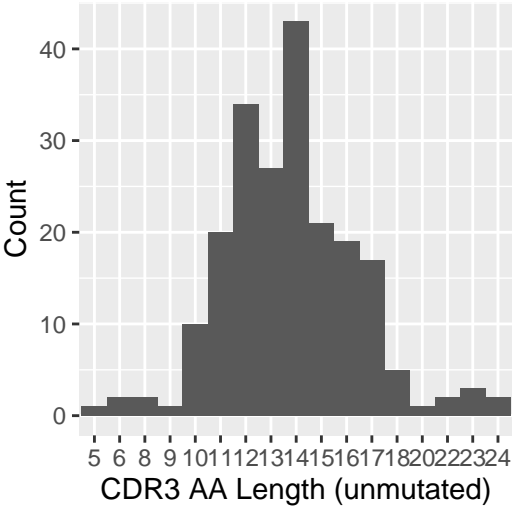


### TRBV29-1\*ap02

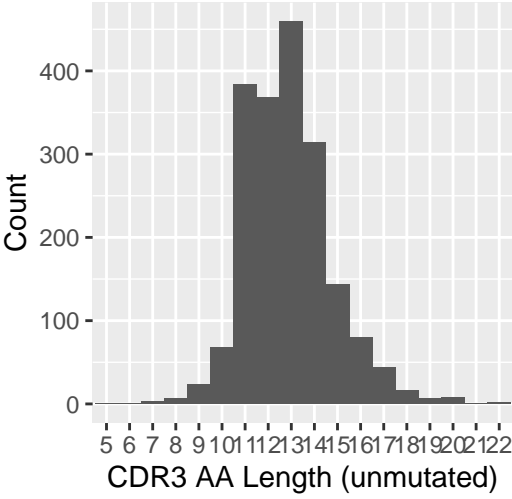
1710 sequences assigned  
1560 (91.2%) exact matches, in which:  
1536 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]