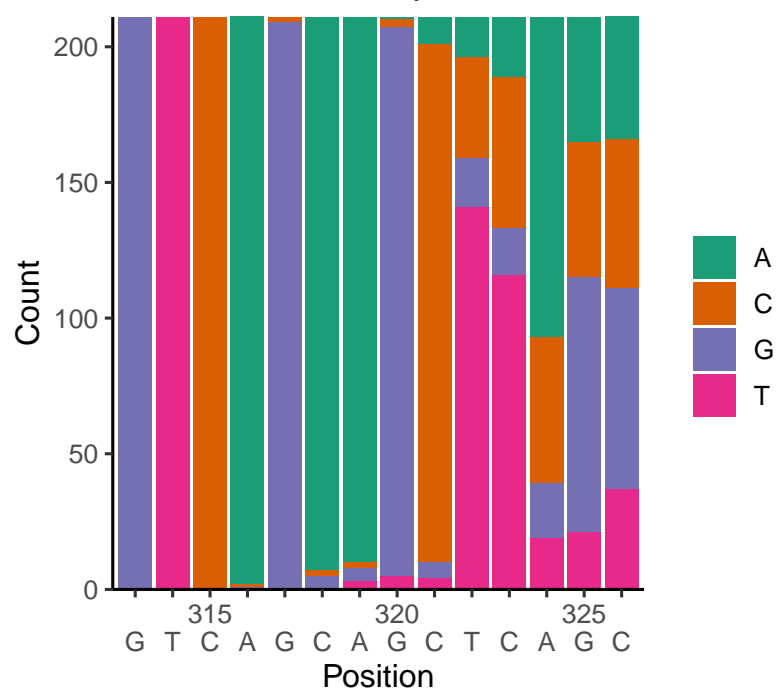
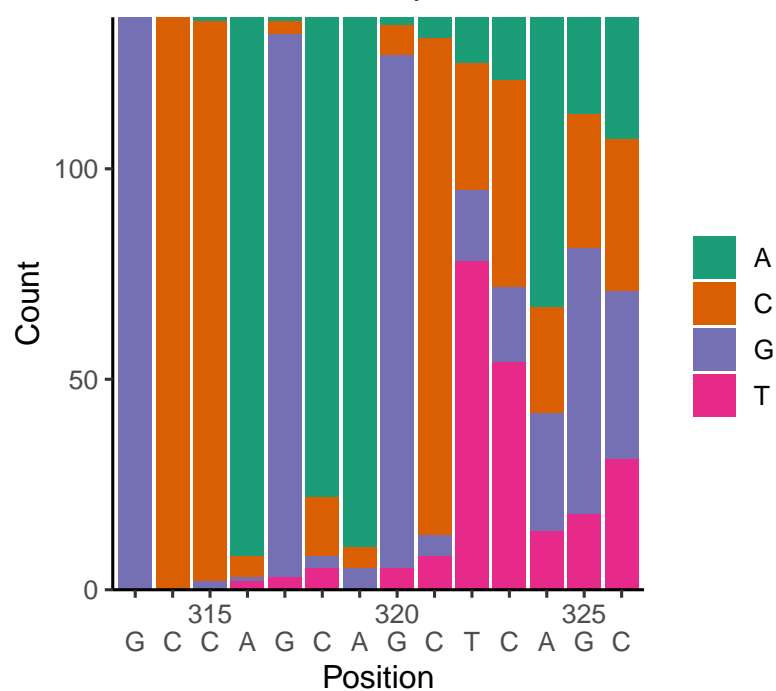


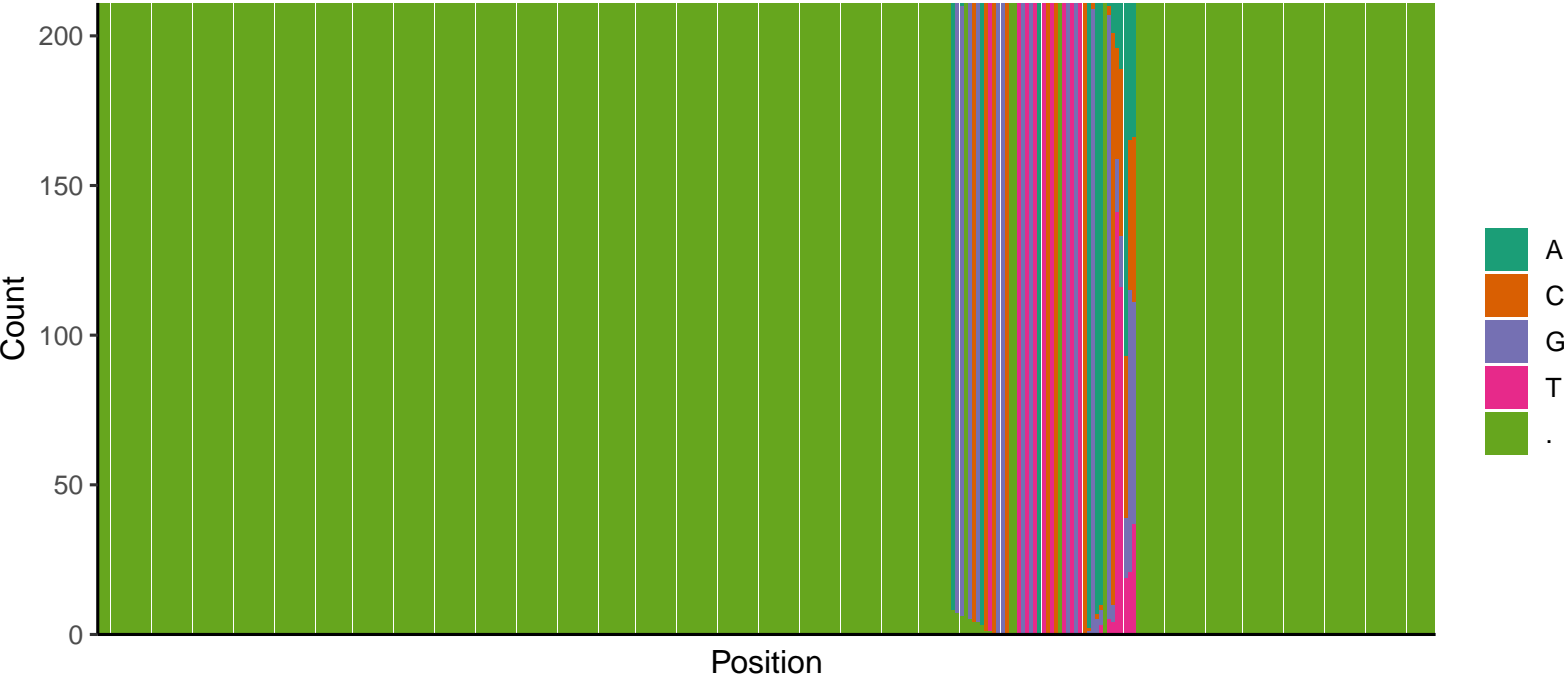
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



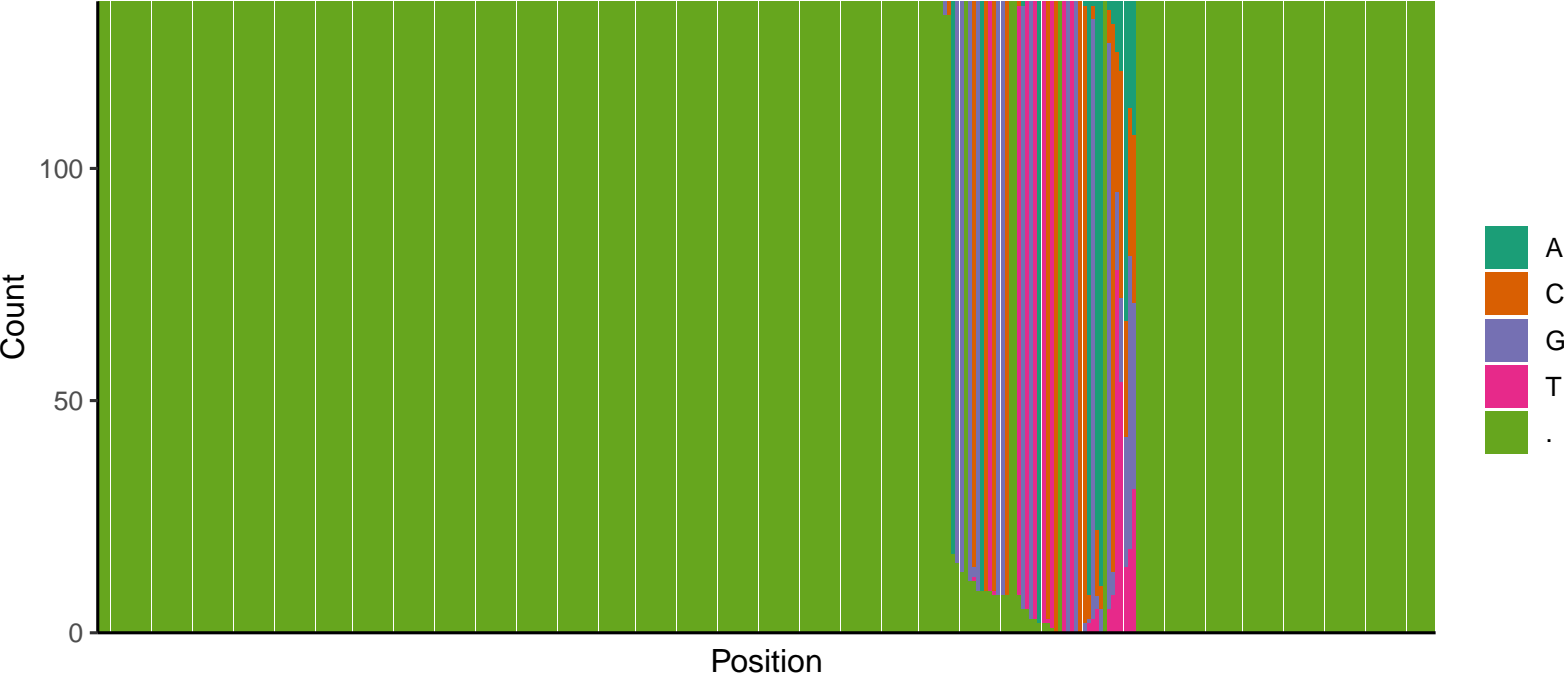
Gene TRBV7-1\*ap01\_G291C\_T296C



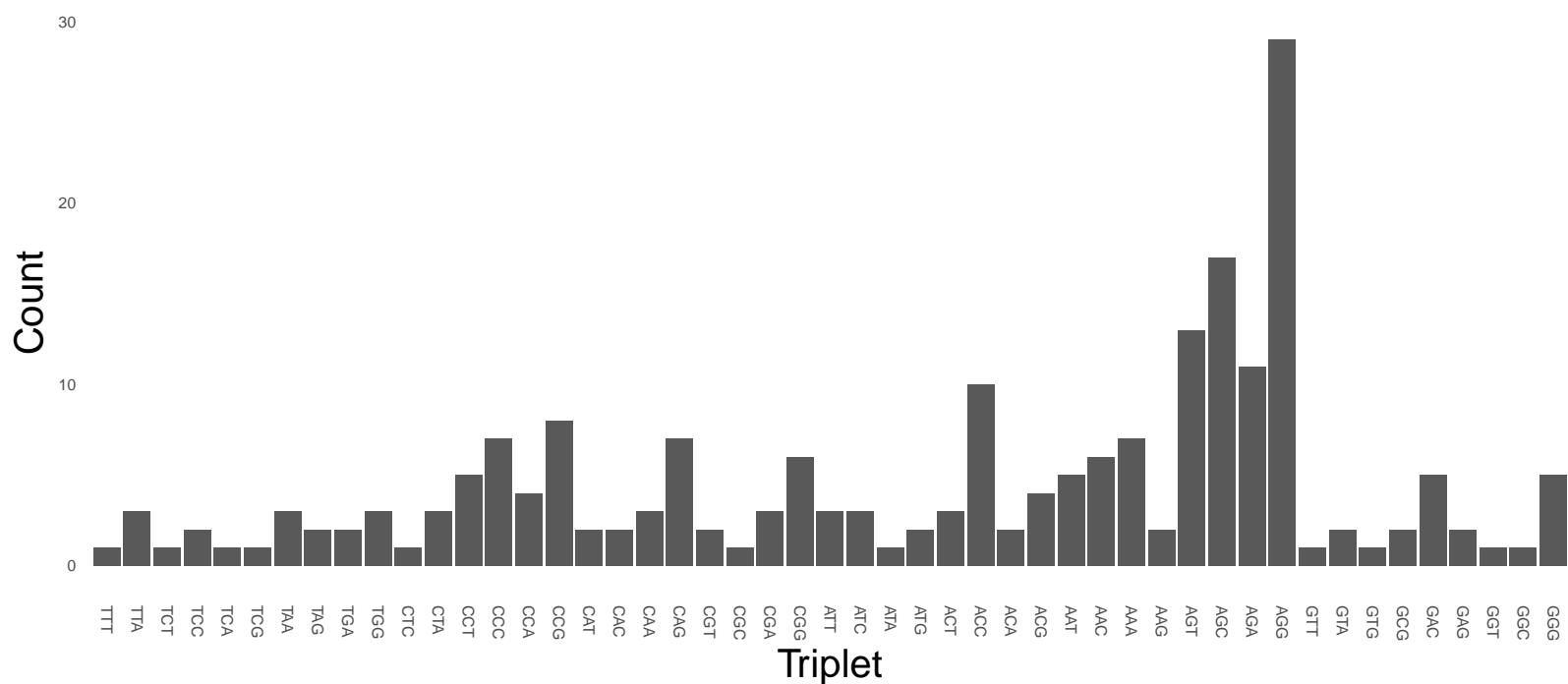
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



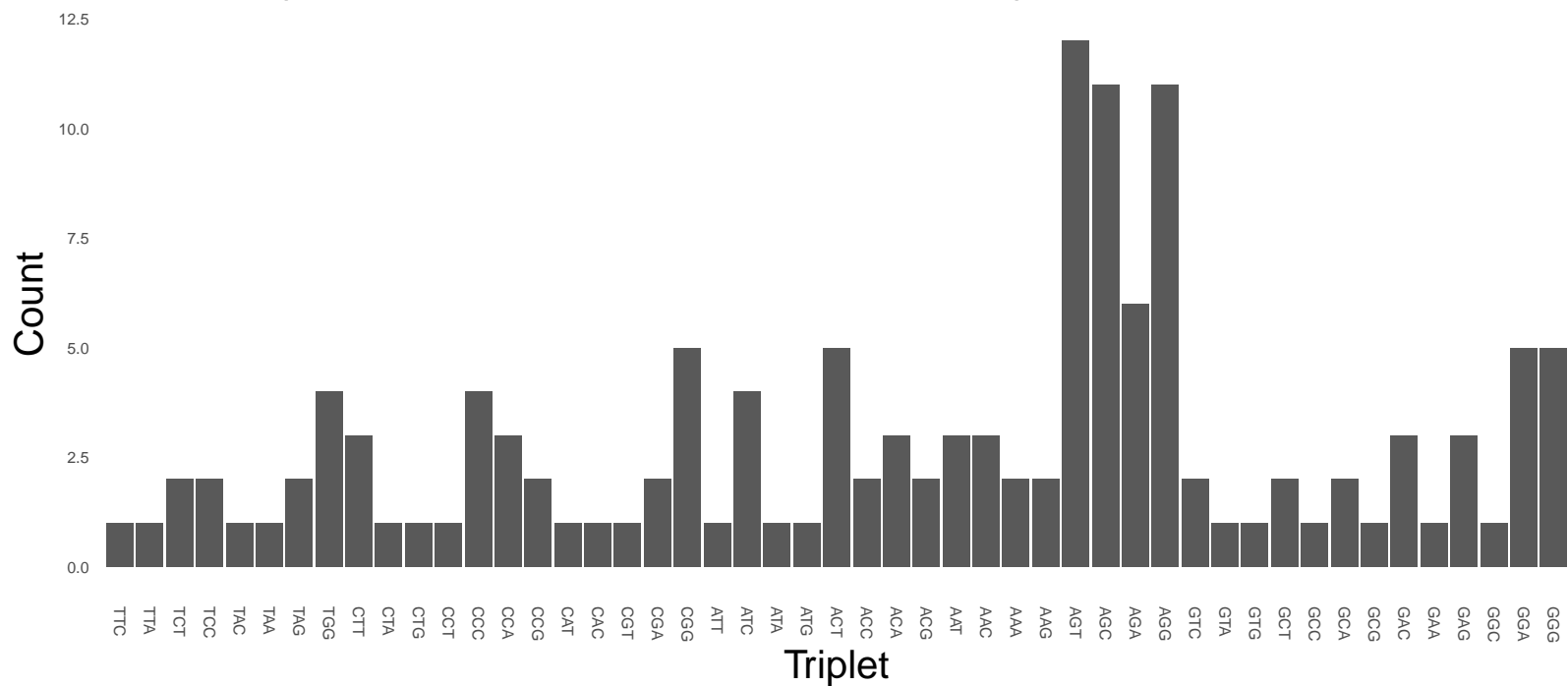
Gene TRBV7-1\*ap01\_G291C\_T296C



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

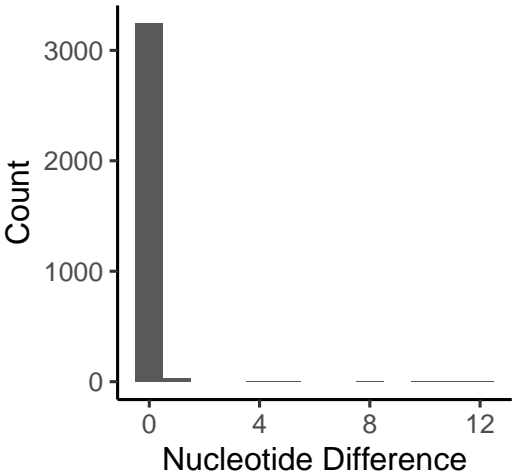


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



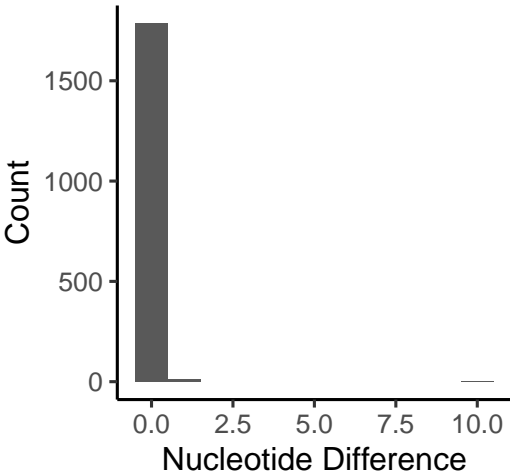
TRBV10-1\*ap01

3287 sequences assigned  
3244 (98.7%) exact matches, in which:  
3175 unique CDR3  
13 unique J



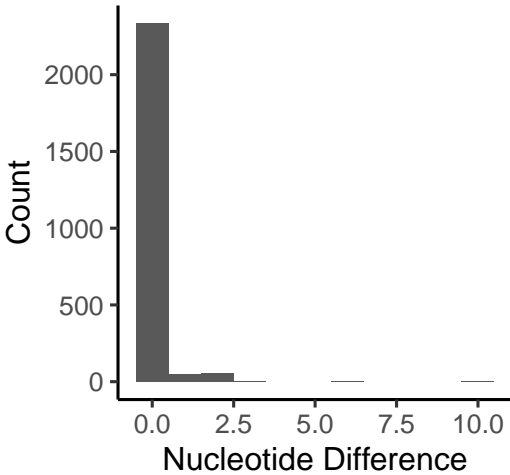
TRBV10-2\*ap01

1801 sequences assigned  
1786 (99.2%) exact matches, in which:  
1751 unique CDR3  
13 unique J



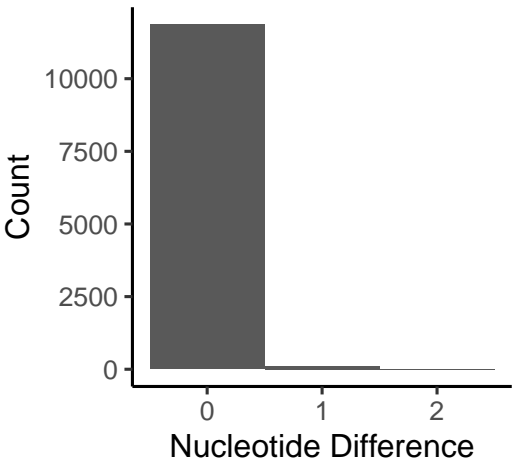
TRBV13\*ap01

2442 sequences assigned  
2334 (95.6%) exact matches, in which:  
2273 unique CDR3  
13 unique J



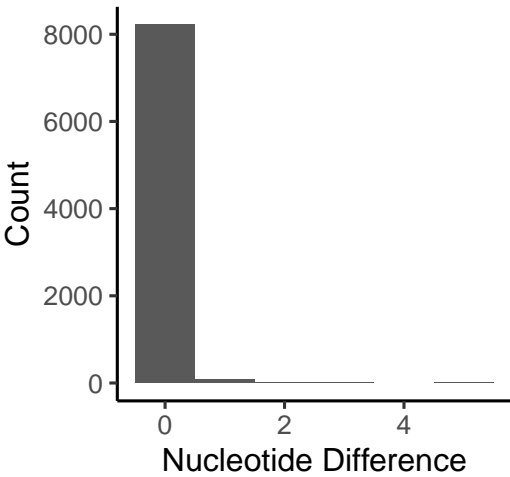
TRBV20-1\*ap01

11977 sequences assigned  
11866 (99.1%) exact matches, in which:  
11738 unique CDR3  
14 unique J



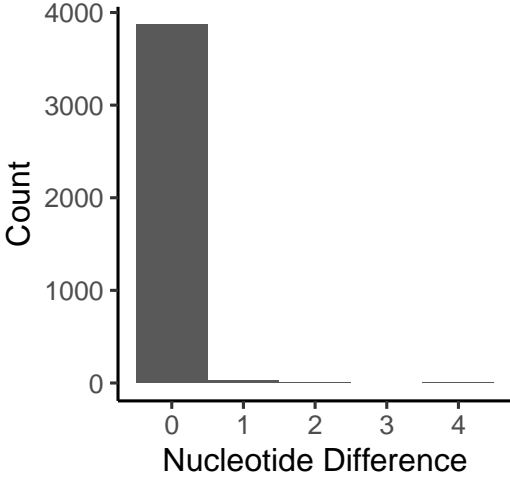
TRBV10-3\*ap01

8309 sequences assigned  
8219 (98.9%) exact matches, in which:  
8057 unique CDR3  
13 unique J



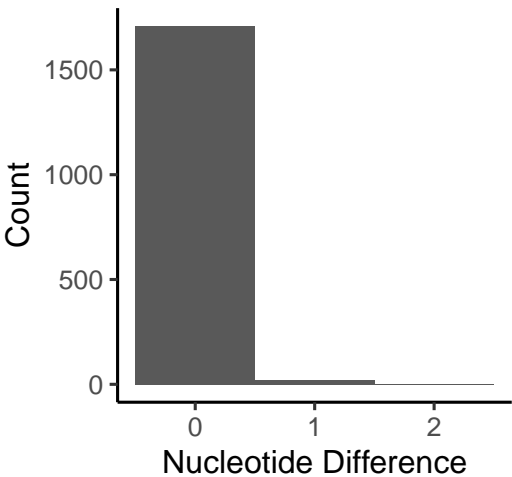
TRBV14\*ap01

3901 sequences assigned  
3868 (99.2%) exact matches, in which:  
3825 unique CDR3  
13 unique J



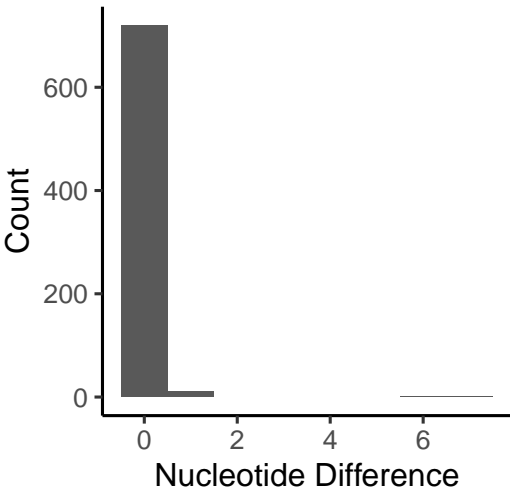
TRBV20-1\*ap02

1731 sequences assigned  
1709 (98.7%) exact matches, in which:  
1689 unique CDR3  
13 unique J



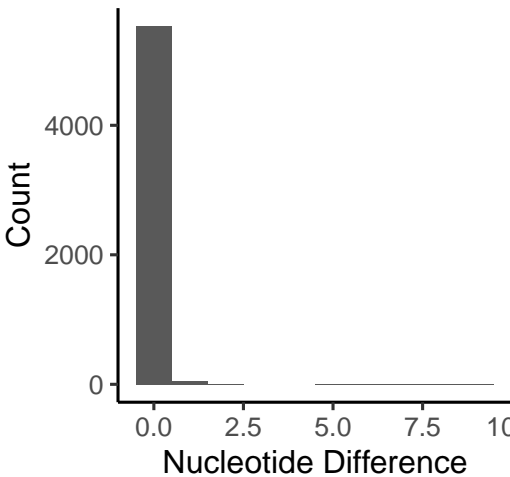
TRBV1\*ap01

733 sequences assigned  
720 (98.2%) exact matches, in which:  
706 unique CDR3  
13 unique J



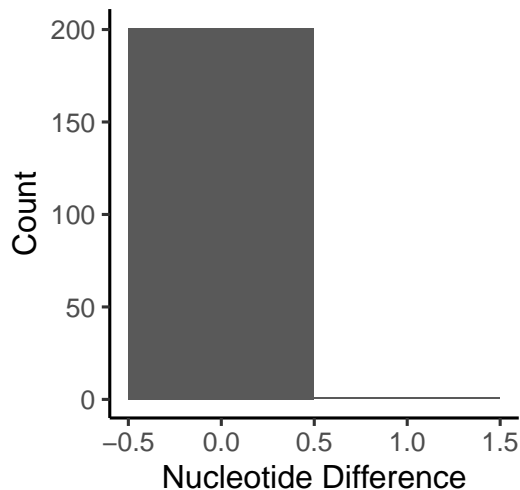
TRBV15\*ap02

5598 sequences assigned  
5533 (98.8%) exact matches, in which:  
5422 unique CDR3  
13 unique J



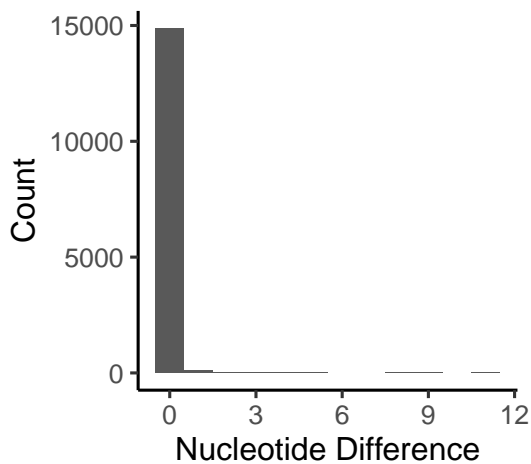
### TRBV16\*ap01

202 sequences assigned  
201 (99.5%) exact matches, in which:  
199 unique CDR3  
13 unique J



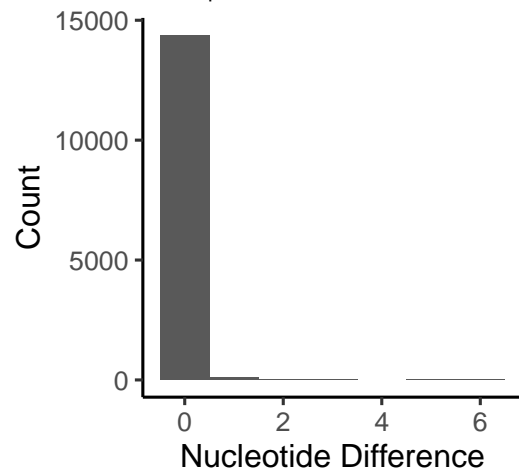
### TRBV19\*ap01

15012 sequences assigned  
14885 (99.2%) exact matches, in which:  
14787 unique CDR3  
13 unique J



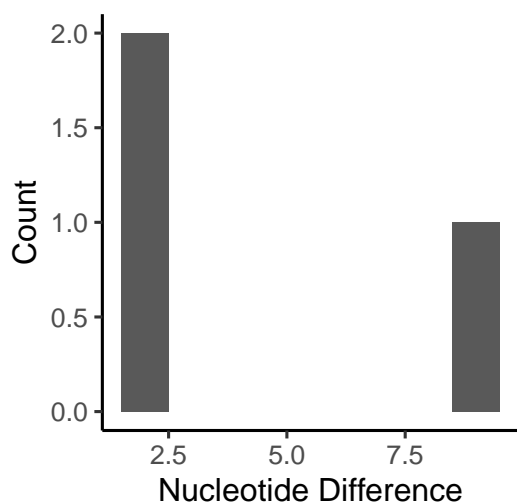
### TRBV28\*ap01

14509 sequences assigned  
14379 (99.1%) exact matches, in which:  
14222 unique CDR3  
13 unique J



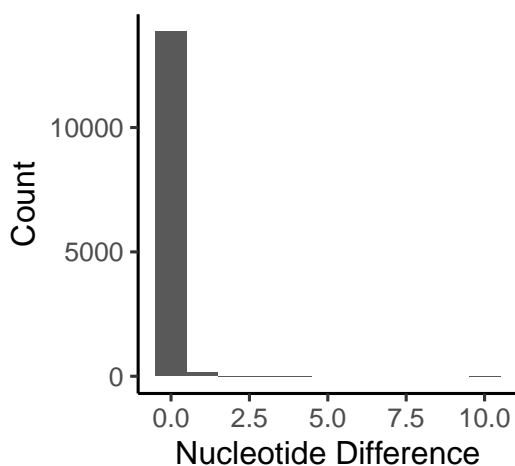
### TRBV17\*ap01

3 sequences assigned  
No exact matches.



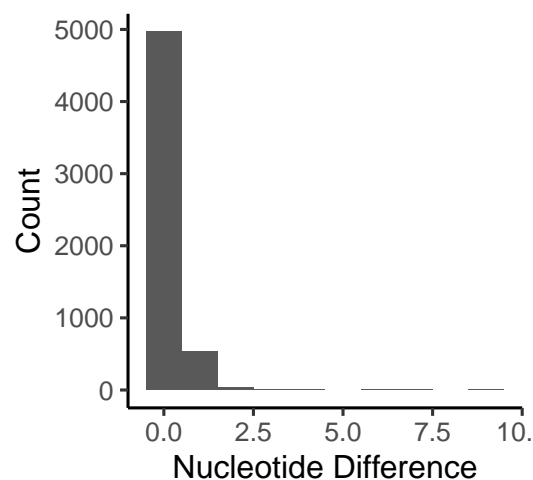
### TRBV2\*ap01

14038 sequences assigned  
13862 (98.7%) exact matches, in which:  
13646 unique CDR3  
13 unique J



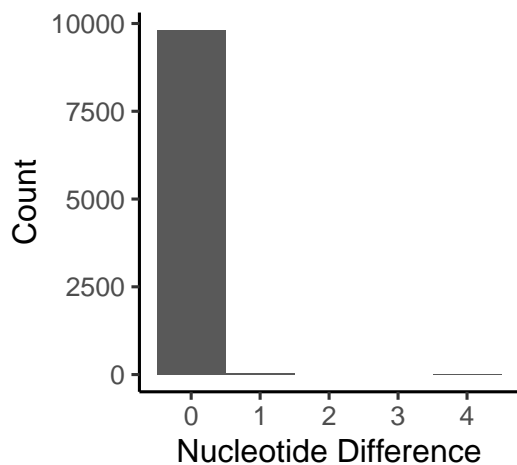
### TRBV30\*ap01

5558 sequences assigned  
4968 (89.4%) exact matches, in which:  
4822 unique CDR3  
13 unique J



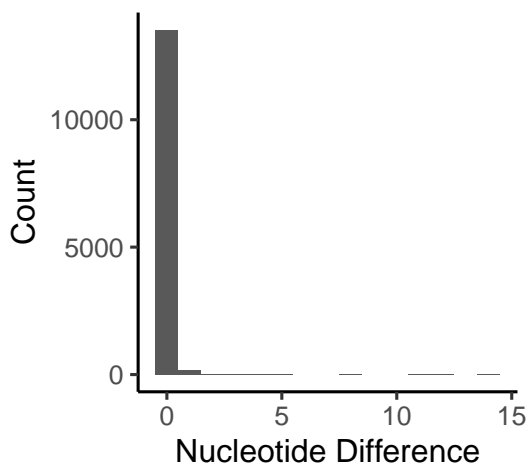
### TRBV18\*ap01

9852 sequences assigned  
9821 (99.7%) exact matches, in which:  
9749 unique CDR3  
13 unique J



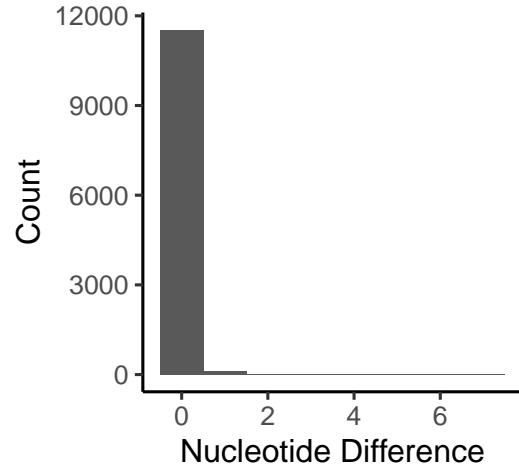
### TRBV27\*ap01

13725 sequences assigned  
13528 (98.6%) exact matches, in which:  
13314 unique CDR3  
13 unique J



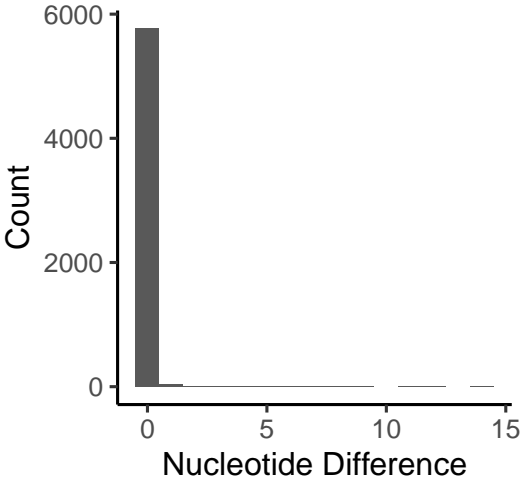
### TRBV9\*ap01

11656 sequences assigned  
11532 (98.9%) exact matches, in which:  
11388 unique CDR3  
13 unique J



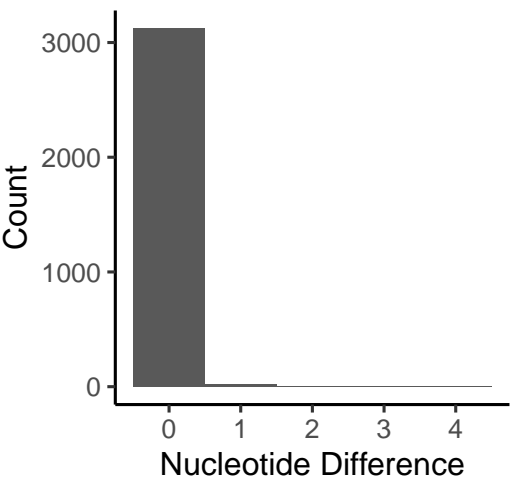
TRBV21-1\*ap01

5846 sequences assigned  
5770 (98.7%) exact matches, in which:  
5726 unique CDR3  
13 unique J



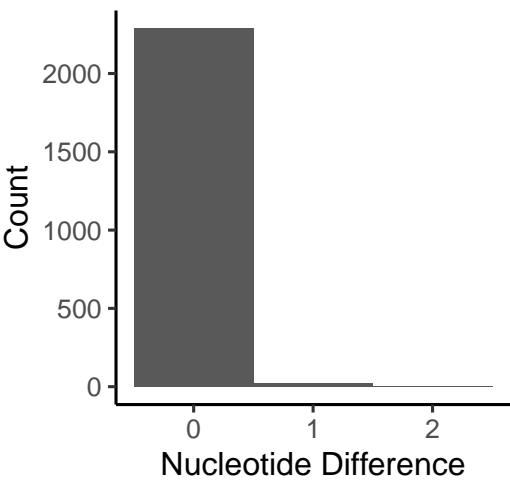
TRBV11-3\*ap01

3151 sequences assigned  
3123 (99.1%) exact matches, in which:  
3095 unique CDR3  
13 unique J



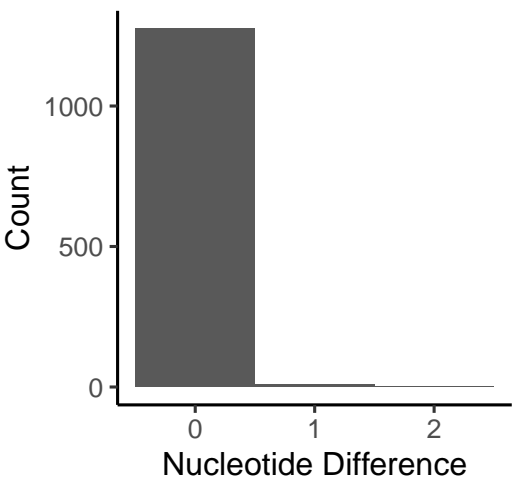
TRBV12-5\*ap01

2309 sequences assigned  
2288 (99.1%) exact matches, in which:  
2255 unique CDR3  
14 unique J



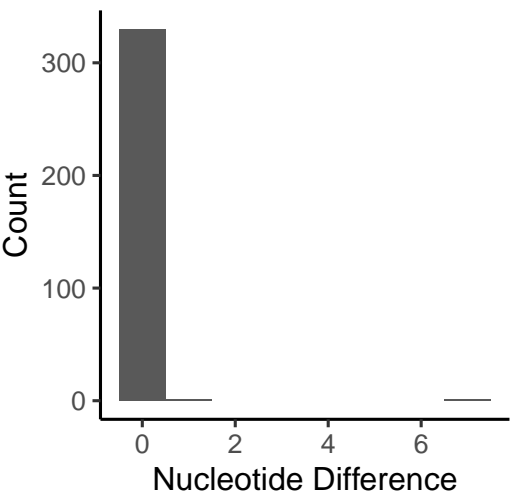
TRBV11-1\*ap01

1284 sequences assigned  
1275 (99.3%) exact matches, in which:  
1263 unique CDR3  
13 unique J



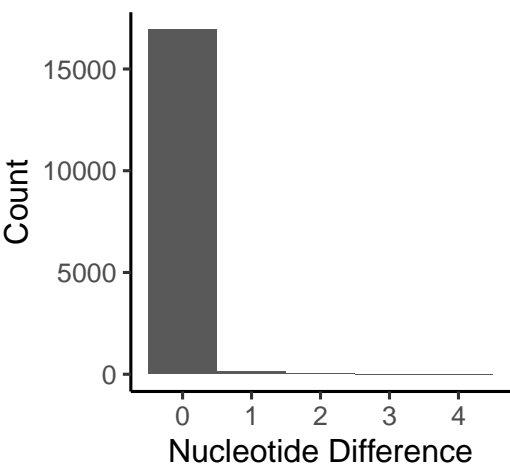
TRBV12-1\*ap01

332 sequences assigned  
330 (99.4%) exact matches, in which:  
327 unique CDR3  
13 unique J



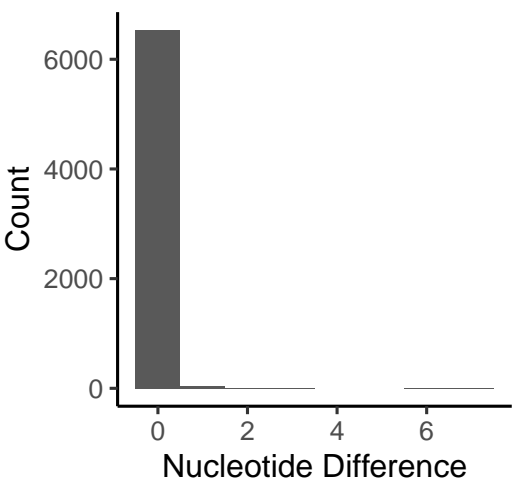
TRBV12-34\*ap01

17105 sequences assigned  
16942 (99%) exact matches, in which:  
16731 unique CDR3  
13 unique J



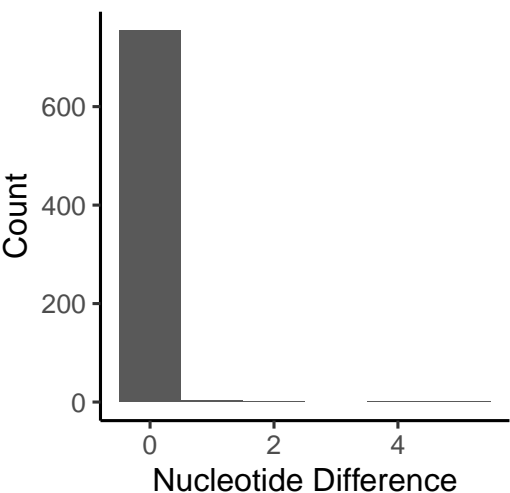
TRBV11-2\*ap01

6582 sequences assigned  
6533 (99.3%) exact matches, in which:  
6464 unique CDR3  
13 unique J



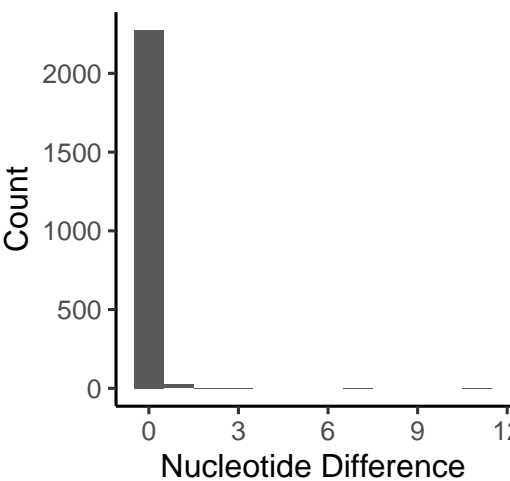
TRBV12-2\*ap01

762 sequences assigned  
755 (99.1%) exact matches, in which:  
748 unique CDR3  
13 unique J



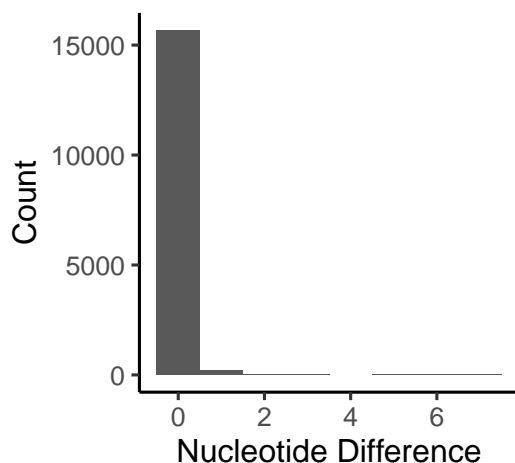
TRBV23-1\*ap01

2307 sequences assigned  
2275 (98.6%) exact matches, in which:  
2245 unique CDR3  
13 unique J



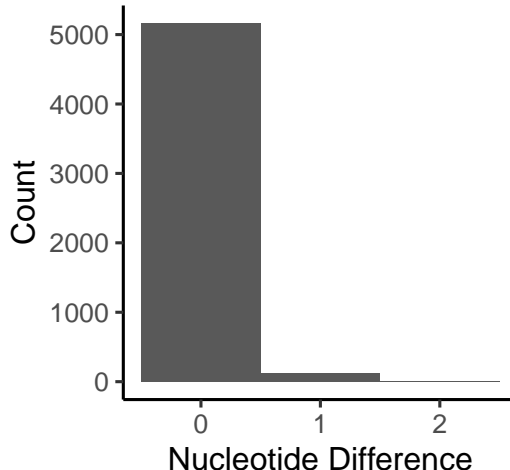
### TRBV3-12\*ap01

15900 sequences assigned  
15680 (98.6%) exact matches, in which:  
15456 unique CDR3  
13 unique J



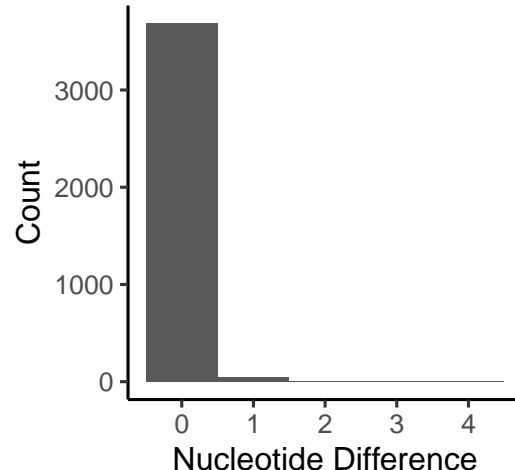
### TRBV4-2\*ap01

5290 sequences assigned  
5161 (97.6%) exact matches, in which:  
5081 unique CDR3  
13 unique J



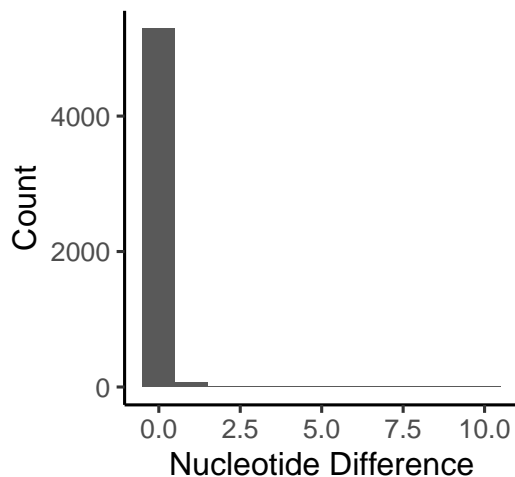
### TRBV25-1\*ap01

3743 sequences assigned  
3685 (98.5%) exact matches, in which:  
3611 unique CDR3  
14 unique J



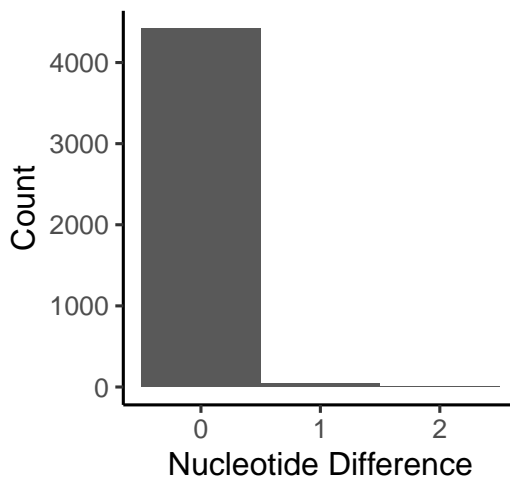
### TRBV24-1\*ap01

5377 sequences assigned  
5290 (98.4%) exact matches, in which:  
5219 unique CDR3  
13 unique J



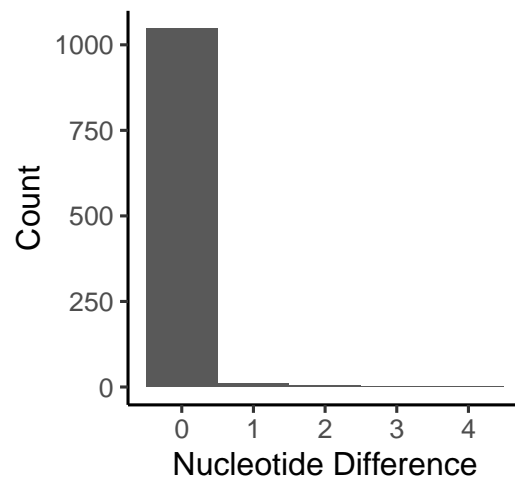
### TRBV4-3\*ap01

4466 sequences assigned  
4417 (98.9%) exact matches, in which:  
4330 unique CDR3  
13 unique J



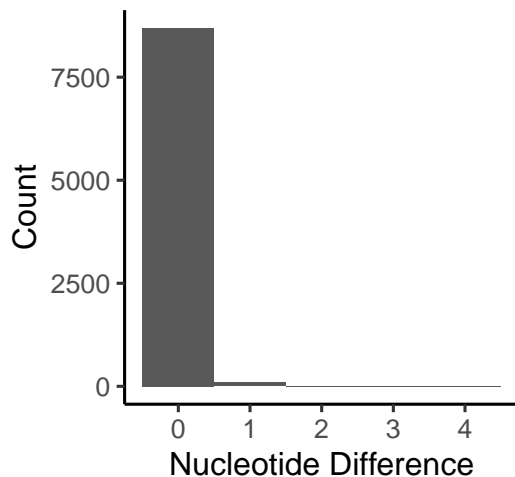
### TRBV5-3\*ap01

1064 sequences assigned  
1047 (98.4%) exact matches, in which:  
1032 unique CDR3  
13 unique J



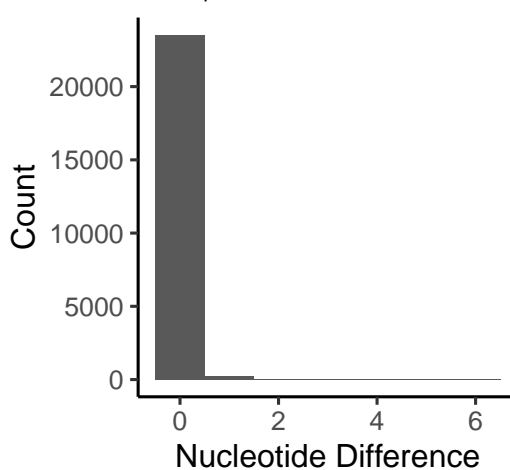
### TRBV4-1\*ap01

8792 sequences assigned  
8692 (98.9%) exact matches, in which:  
8543 unique CDR3  
13 unique J



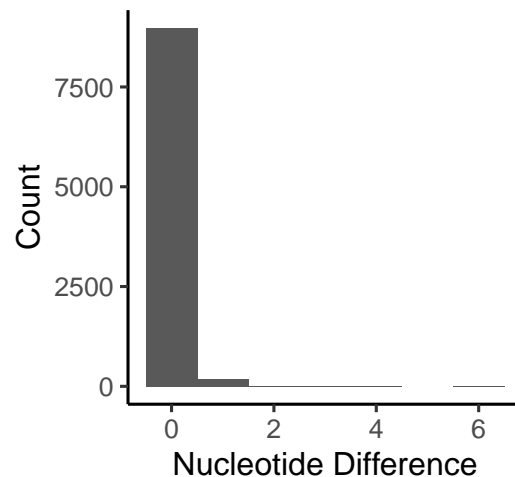
### TRBV5-1\*ap01

23779 sequences assigned  
23538 (99%) exact matches, in which:  
22820 unique CDR3  
13 unique J



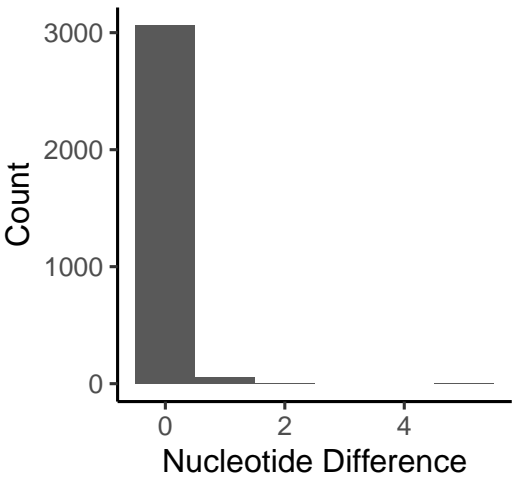
### TRBV5-4\*ap01

9177 sequences assigned  
8976 (97.8%) exact matches, in which:  
8860 unique CDR3  
13 unique J



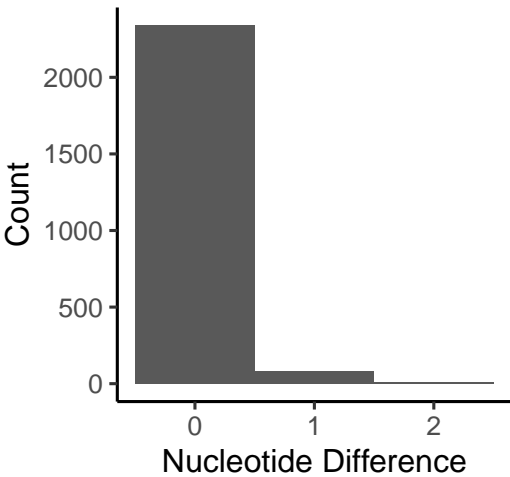
TRBV5-5\*ap01

3120 sequences assigned  
3062 (98.1%) exact matches, in which:  
3019 unique CDR3  
13 unique J



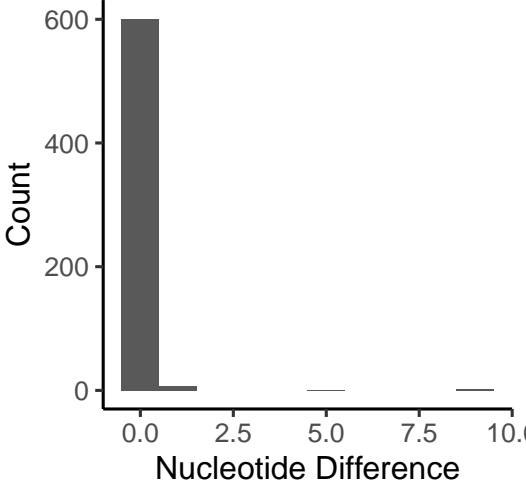
TRBV5-8\*ap01

2432 sequences assigned  
2339 (96.2%) exact matches, in which:  
2317 unique CDR3  
13 unique J



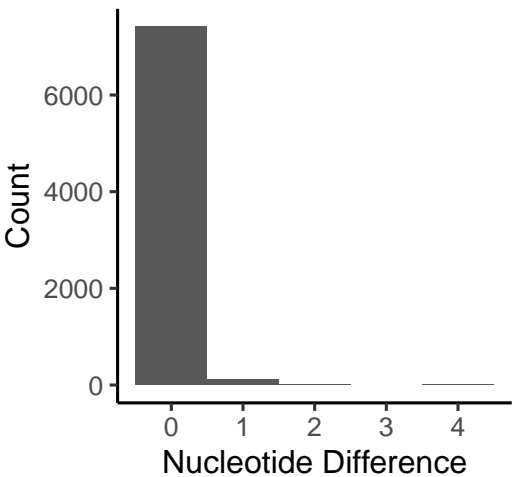
TRBV6-7\*ap01

611 sequences assigned  
601 (98.4%) exact matches, in which:  
594 unique CDR3  
13 unique J



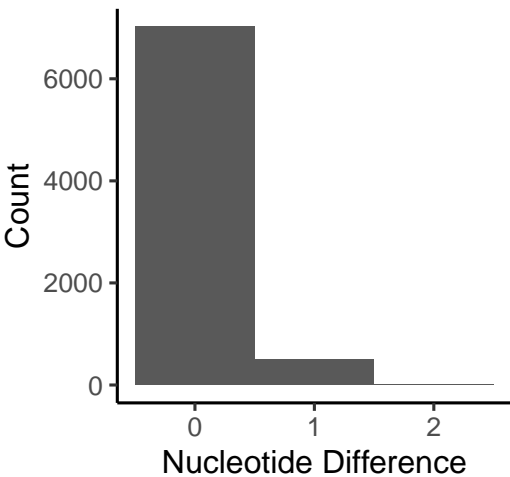
TRBV5-6\*ap01

7530 sequences assigned  
7413 (98.4%) exact matches, in which:  
7025 unique CDR3  
13 unique J



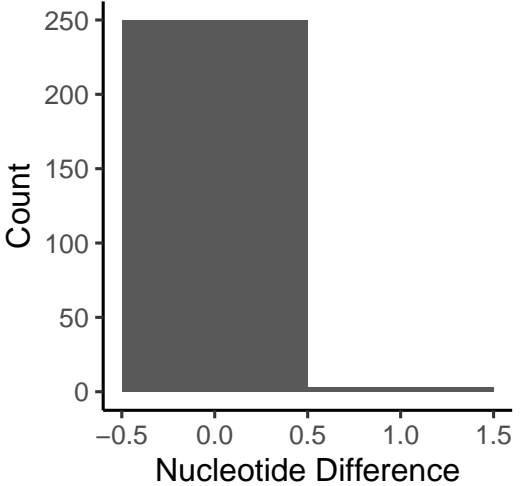
TRBV6-1\*ap01

7531 sequences assigned  
7020 (93.2%) exact matches, in which:  
6897 unique CDR3  
13 unique J



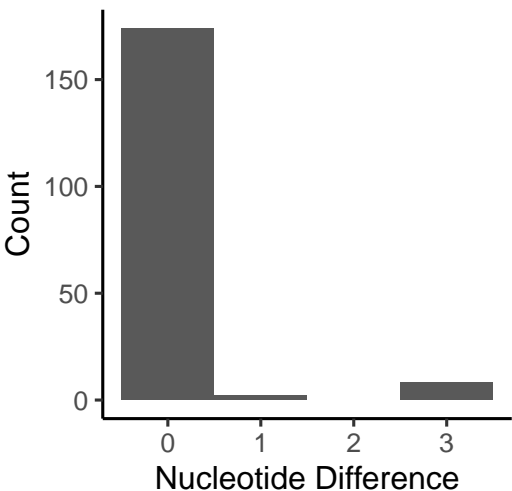
TRBV6-8\*ap01

253 sequences assigned  
250 (98.8%) exact matches, in which:  
243 unique CDR3  
13 unique J



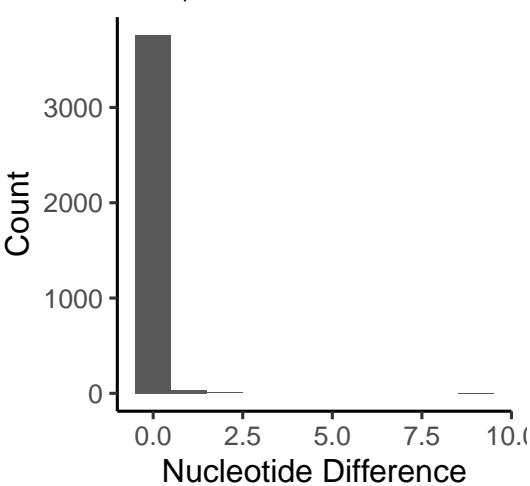
TRBV5-7\*ap01

184 sequences assigned  
174 (94.6%) exact matches, in which:  
171 unique CDR3  
13 unique J



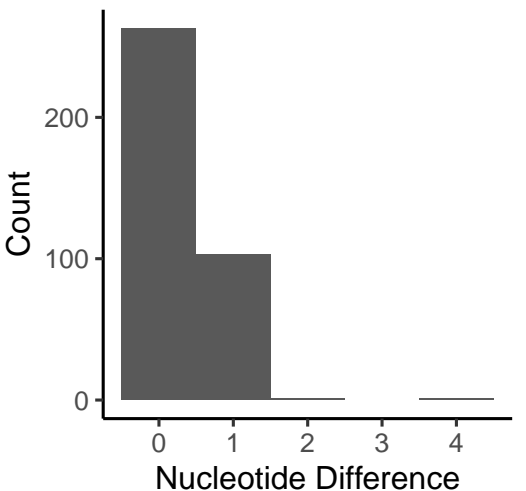
TRBV6-4\*ap01

3801 sequences assigned  
3760 (98.9%) exact matches, in which:  
3711 unique CDR3  
13 unique J



TRBV6-9\*ap01

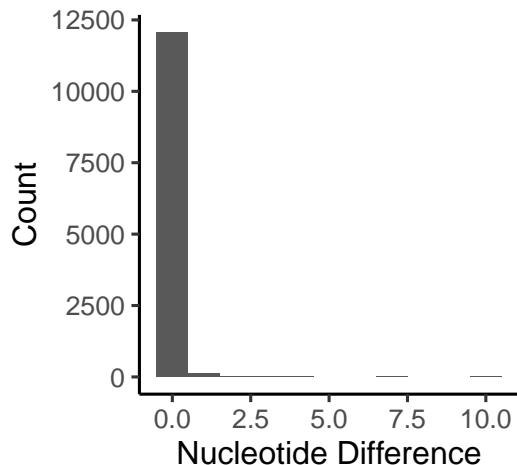
368 sequences assigned  
263 (71.5%) exact matches, in which:  
258 unique CDR3  
13 unique J





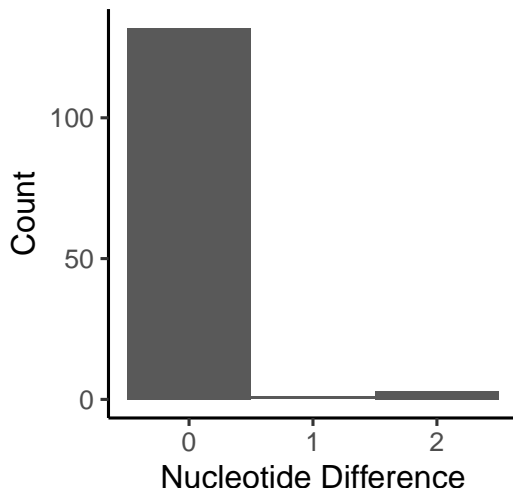
### TRBV6-23\*ap01

12216 sequences assigned  
12072 (98.8%) exact matches, in which:  
11798 unique CDR3  
13 unique J



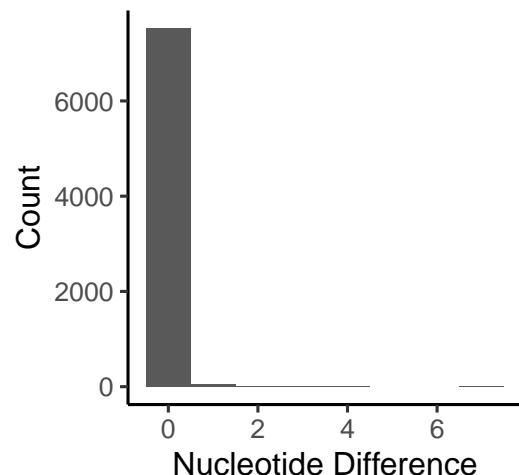
### TRBV7-1\*ap01\_G291C\_

136 sequences assigned  
132 (97.1%) exact matches, in which:  
130 unique CDR3  
13 unique J



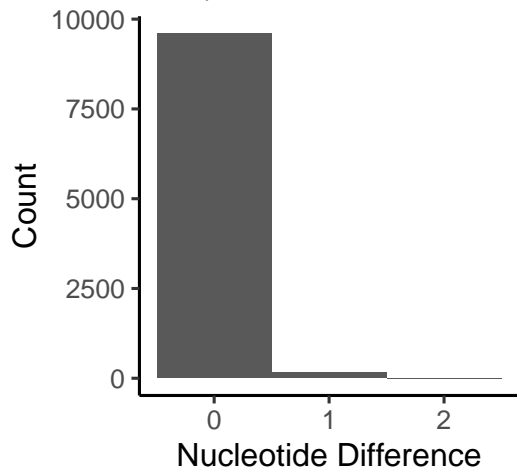
### TRBV7-3\*ap01

7592 sequences assigned  
7523 (99.1%) exact matches, in which:  
7417 unique CDR3  
13 unique J



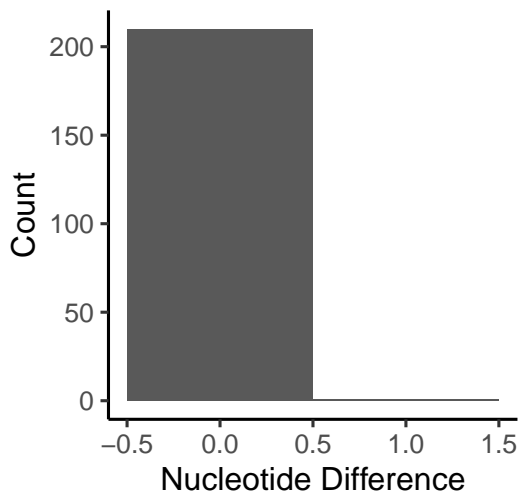
### TRBV6-56\*ap01

9769 sequences assigned  
9601 (98.3%) exact matches, in which:  
9358 unique CDR3  
13 unique J



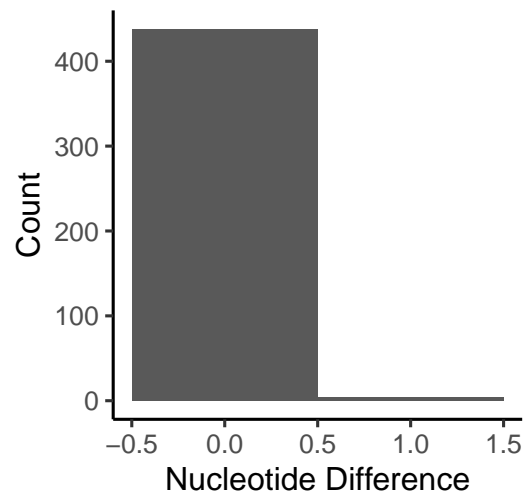
### TRBV7-1\*ap01\_G291C\_

211 sequences assigned  
210 (99.5%) exact matches, in which:  
208 unique CDR3  
13 unique J



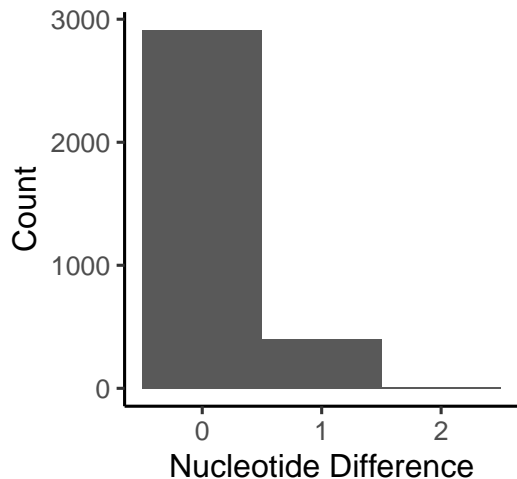
### TRBV7-4\*ap01

442 sequences assigned  
438 (99.1%) exact matches, in which:  
433 unique CDR3  
13 unique J



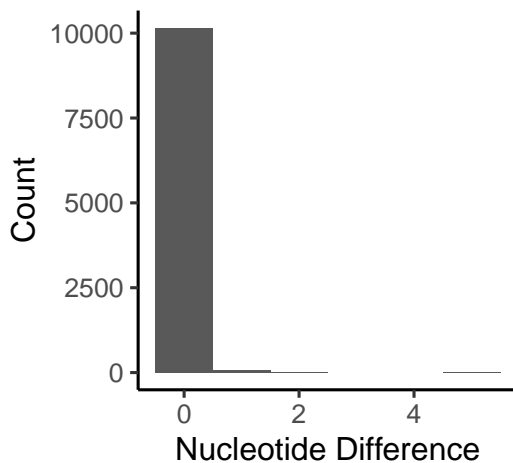
### TRBV6-56\*ap02

3324 sequences assigned  
2912 (87.6%) exact matches, in which:  
2845 unique CDR3  
13 unique J



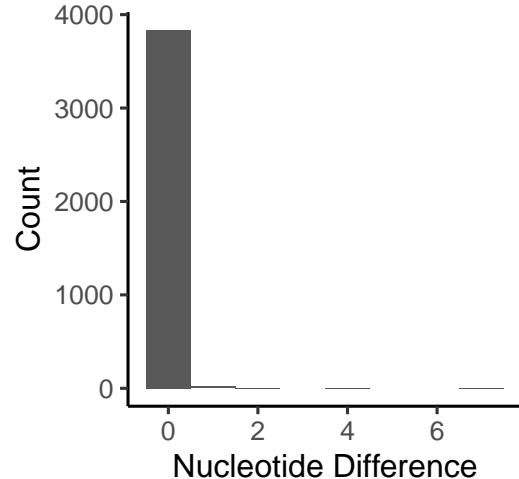
### TRBV7-2\*ap01

10246 sequences assigned  
10158 (99.1%) exact matches, in which:  
10055 unique CDR3  
13 unique J



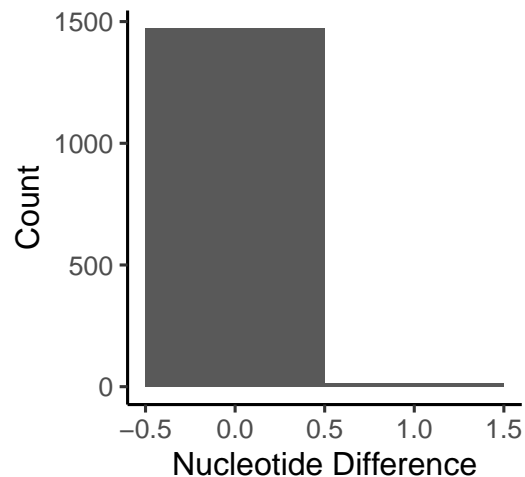
### TRBV7-6\*ap01

3859 sequences assigned  
3835 (99.4%) exact matches, in which:  
3796 unique CDR3  
13 unique J



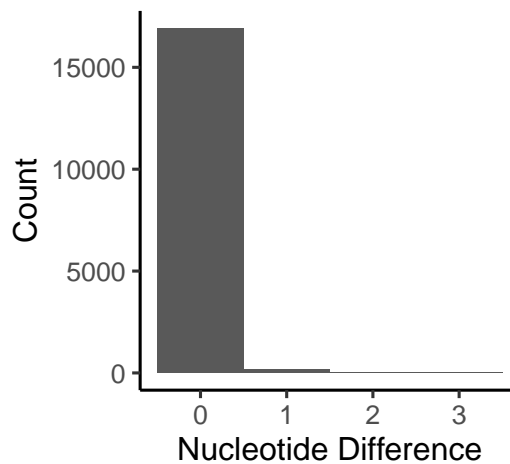
### TRBV7-7\*ap01

1486 sequences assigned  
1472 (99.1%) exact matches, in which:  
1462 unique CDR3  
13 unique J



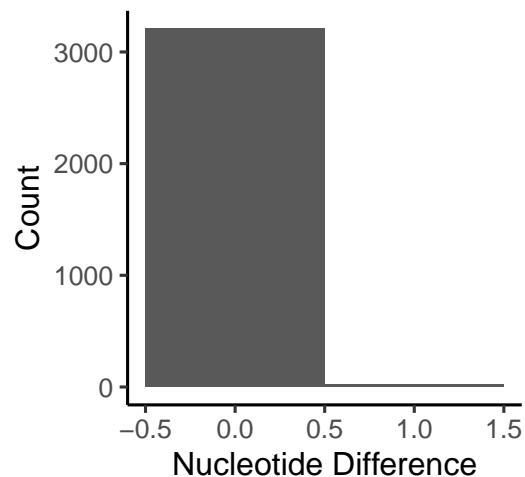
### TRBV7-9\*ap01

17084 sequences assigned  
16923 (99.1%) exact matches, in which:  
16734 unique CDR3  
14 unique J



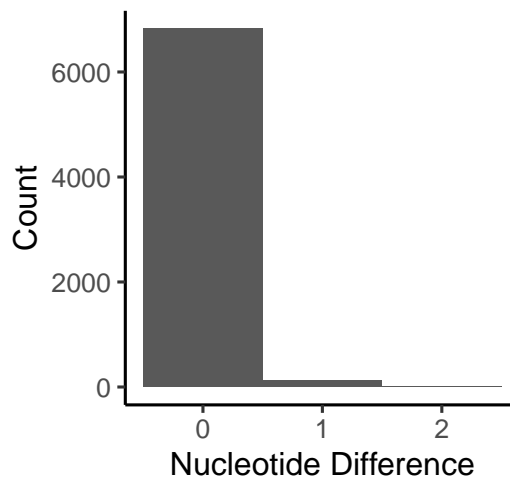
### TRBV7-8\*ap01

3234 sequences assigned  
3208 (99.2%) exact matches, in which:  
3155 unique CDR3  
13 unique J



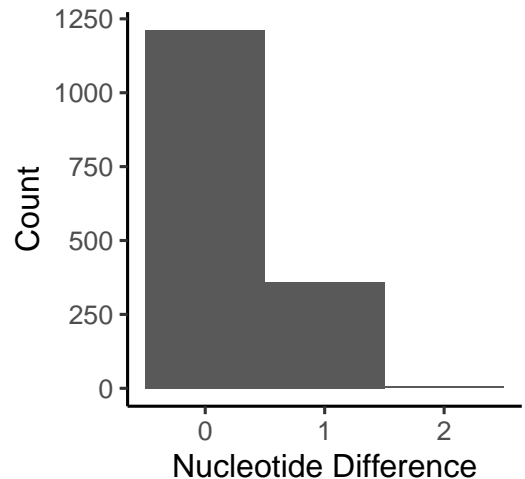
### TRBV29-1\*ap01

6946 sequences assigned  
6824 (98.2%) exact matches, in which:  
6641 unique CDR3  
13 unique J



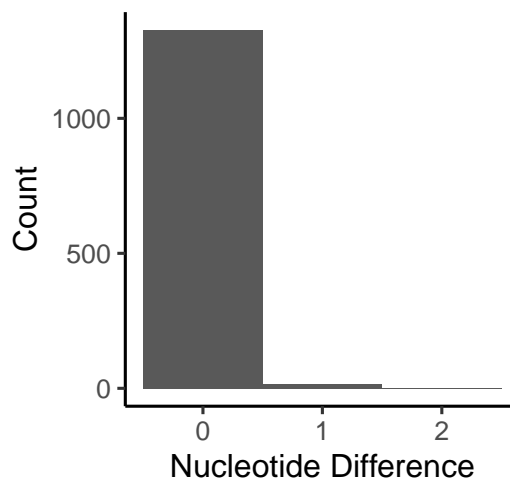
### TRBV7-8\*ap03

1577 sequences assigned  
1212 (76.9%) exact matches, in which:  
1195 unique CDR3  
13 unique J

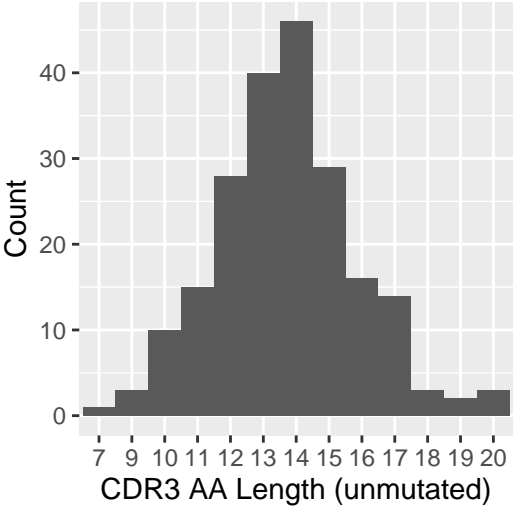


### TRBV29-1\*ap02

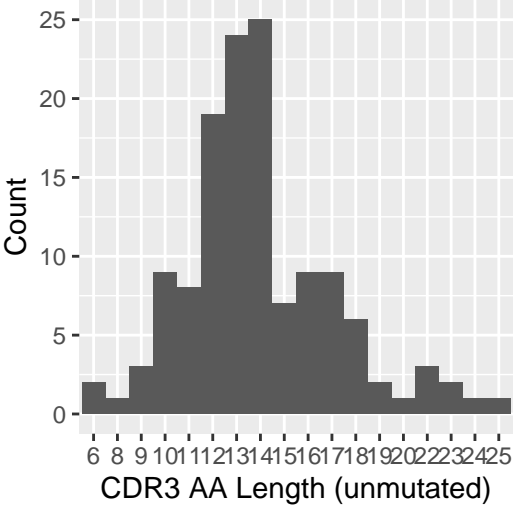
1344 sequences assigned  
1327 (98.7%) exact matches, in which:  
1284 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





Warning – no inferred sequences found.

Warning – no inferred sequences found.