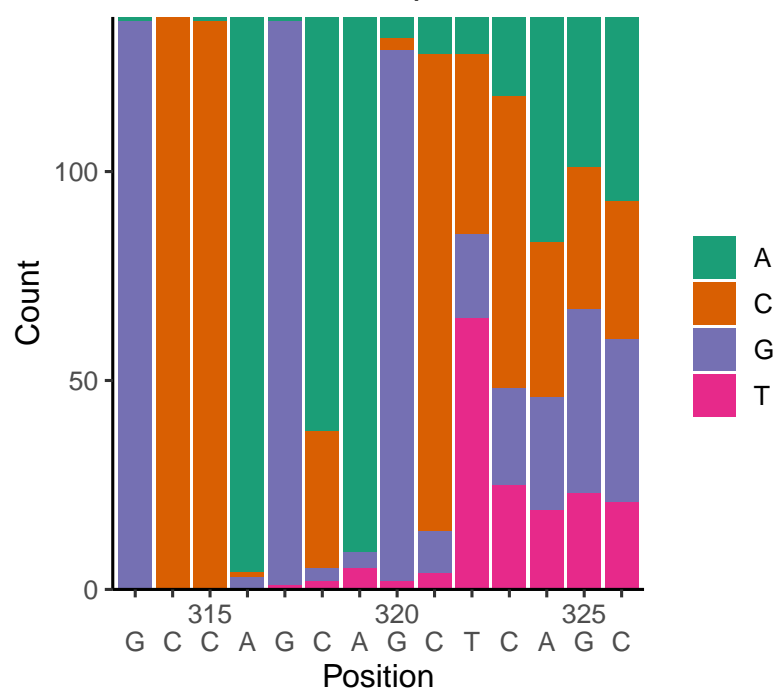
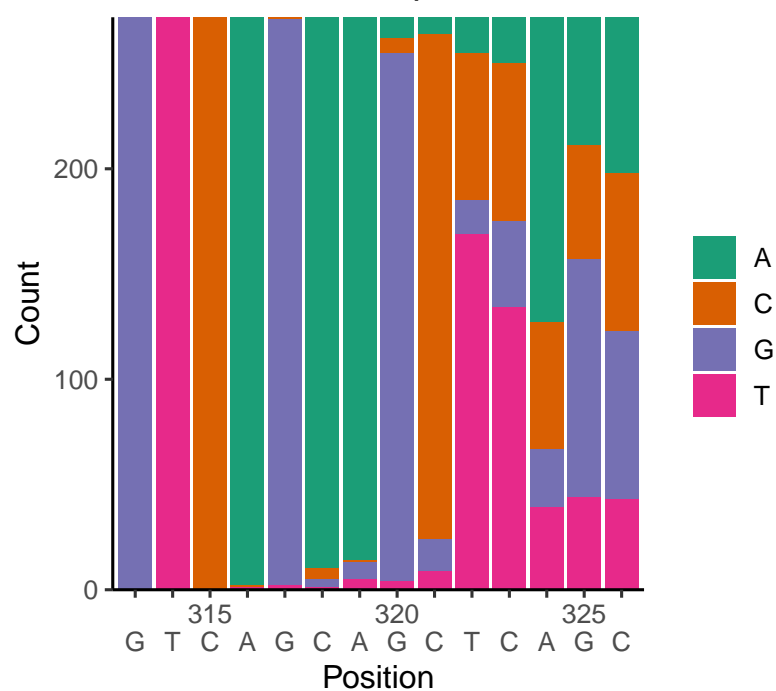


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C\_C314T



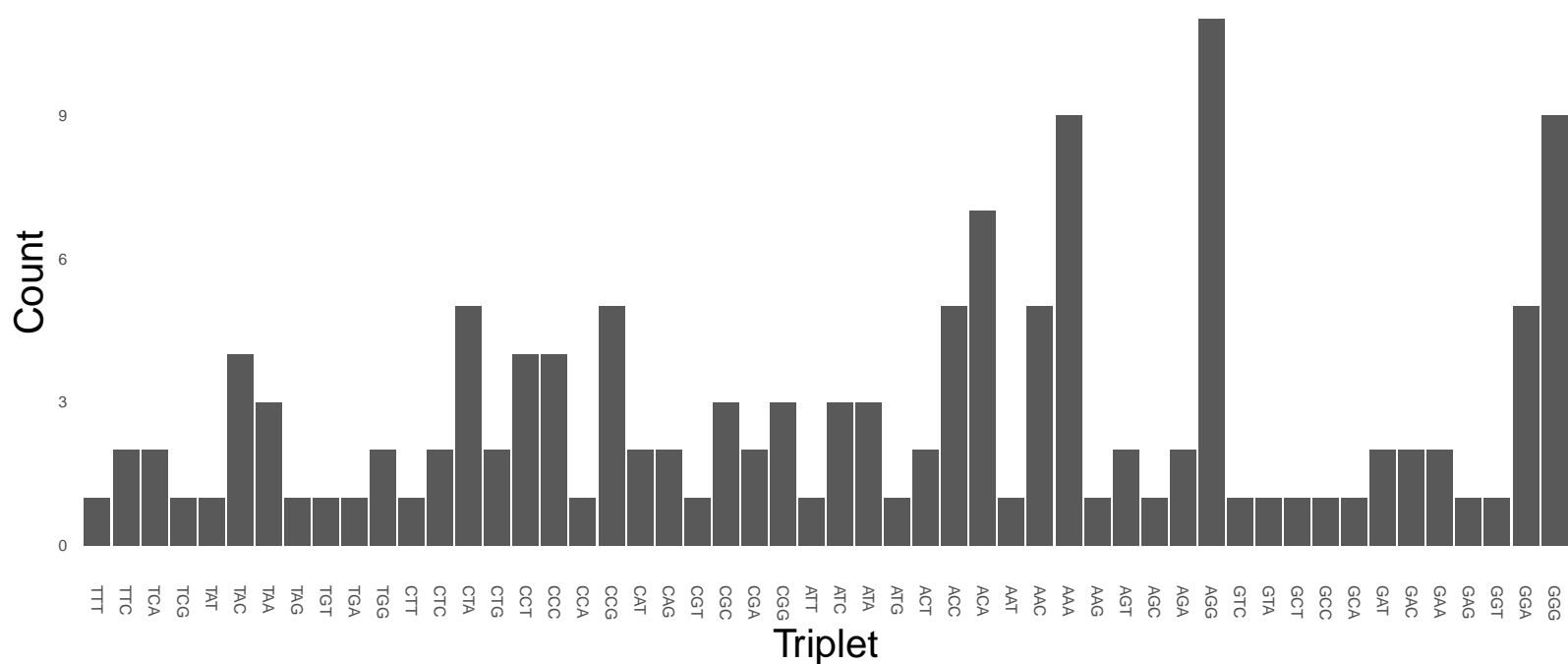
Gene TRBV7-1\*ap01\_T296C



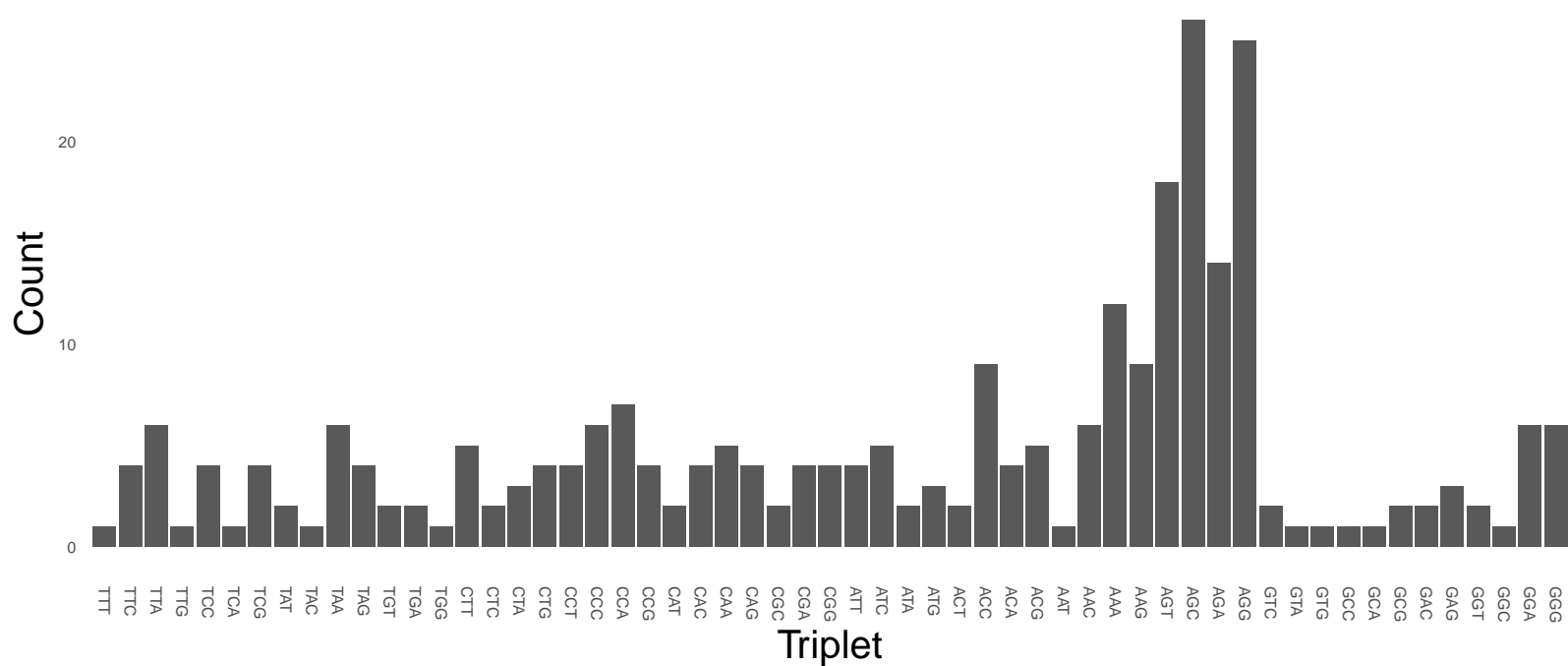
Gene TRBV7-1\*ap01\_T296C\_C314T



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

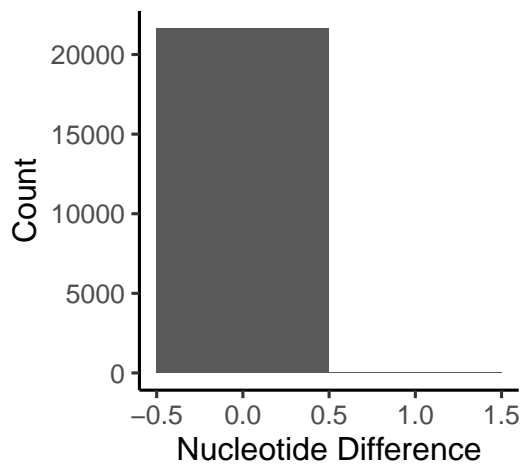


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



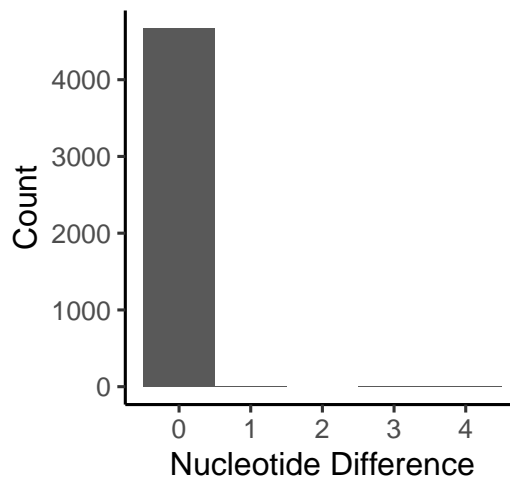
### TRBV20-1\*ap01

21708 sequences assigned  
21657 (99.8%) exact matches, in which:  
21629 unique CDR3  
13 unique J



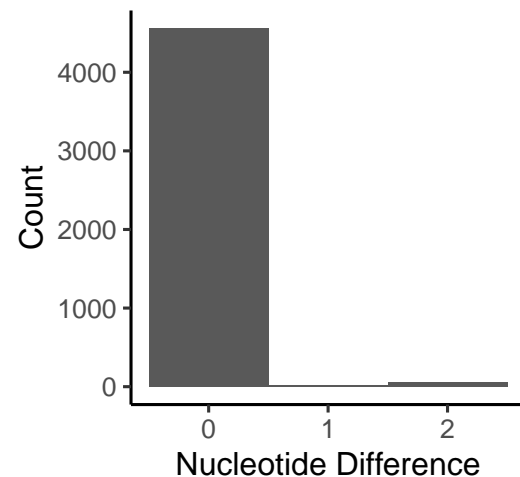
### TRBV10-2\*ap01

4676 sequences assigned  
4668 (99.8%) exact matches, in which:  
4665 unique CDR3  
13 unique J



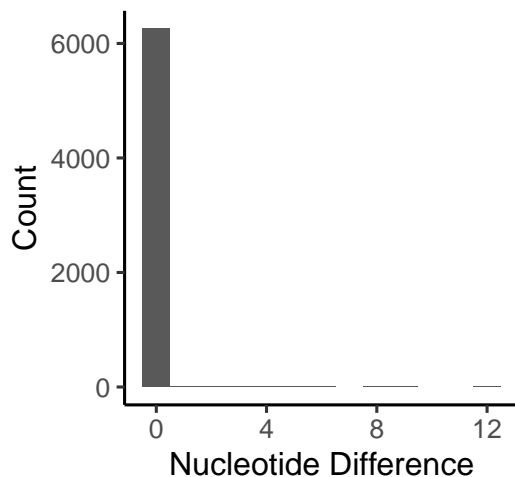
### TRBV13\*ap01

4630 sequences assigned  
4558 (98.4%) exact matches, in which:  
4551 unique CDR3  
13 unique J



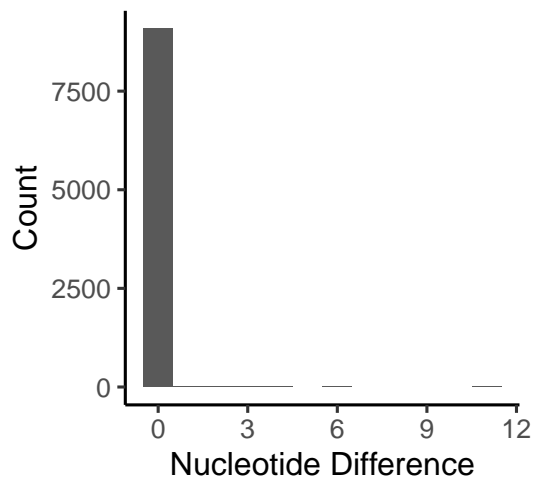
### TRBV10-1\*ap01

6285 sequences assigned  
6257 (99.6%) exact matches, in which:  
6255 unique CDR3  
13 unique J



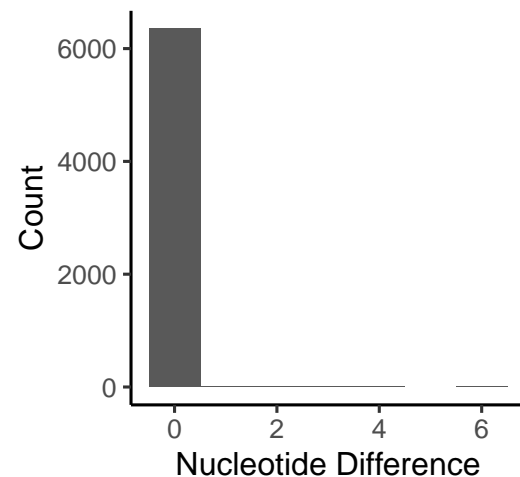
### TRBV10-3\*ap01

9114 sequences assigned  
9082 (99.6%) exact matches, in which:  
9076 unique CDR3  
13 unique J



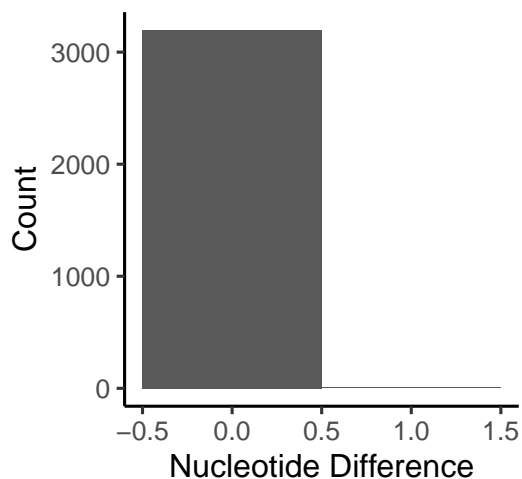
### TRBV14\*ap01

6364 sequences assigned  
6352 (99.8%) exact matches, in which:  
6352 unique CDR3  
13 unique J



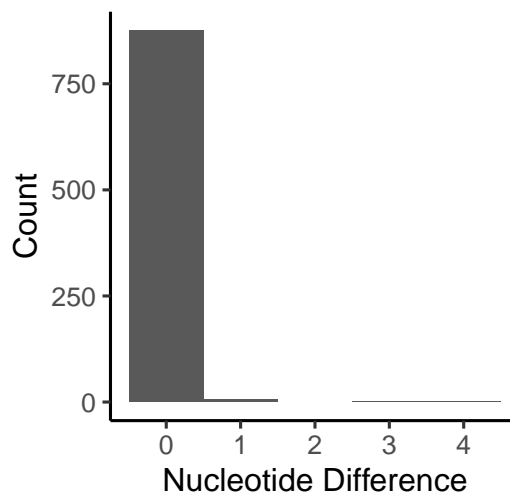
### TRBV20-1\*ap02

3205 sequences assigned  
3197 (99.8%) exact matches, in which:  
3194 unique CDR3  
13 unique J



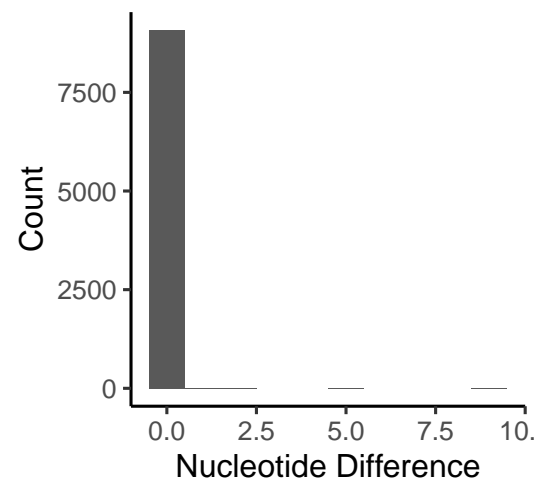
### TRBV1\*ap01

883 sequences assigned  
876 (99.2%) exact matches, in which:  
873 unique CDR3  
13 unique J



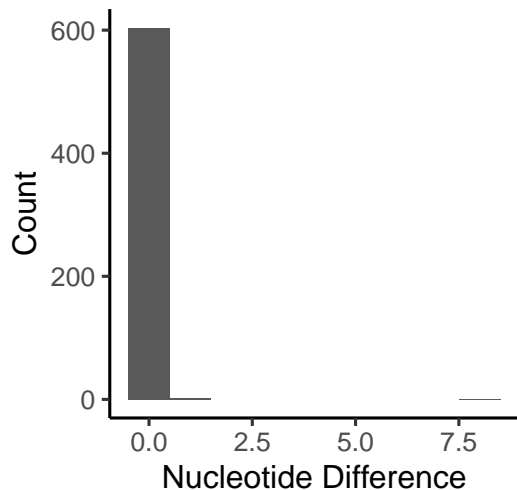
### TRBV15\*ap02

9098 sequences assigned  
9079 (99.8%) exact matches, in which:  
9066 unique CDR3  
13 unique J



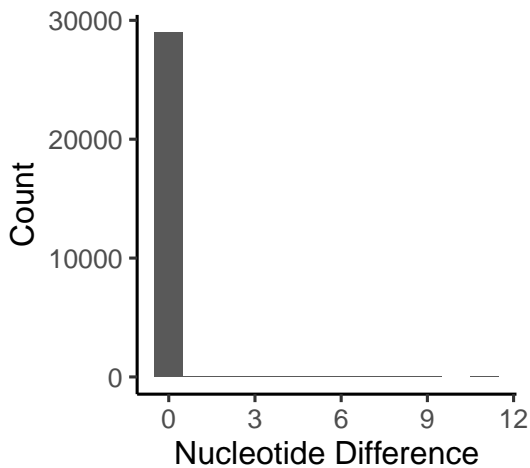
### TRBV16\*ap01

607 sequences assigned  
604 (99.5%) exact matches, in which:  
604 unique CDR3  
13 unique J



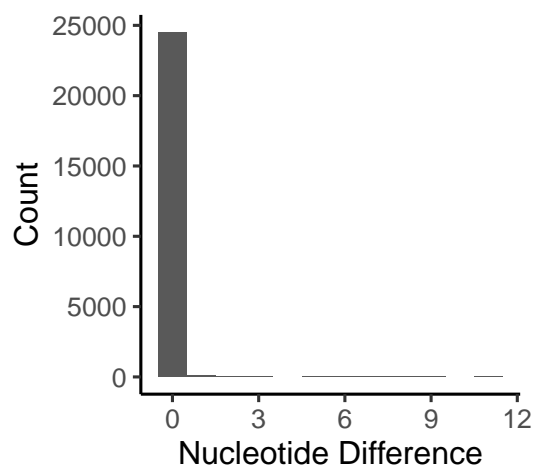
### TRBV19\*ap01

29072 sequences assigned  
29007 (99.8%) exact matches, in which:  
29004 unique CDR3  
13 unique J



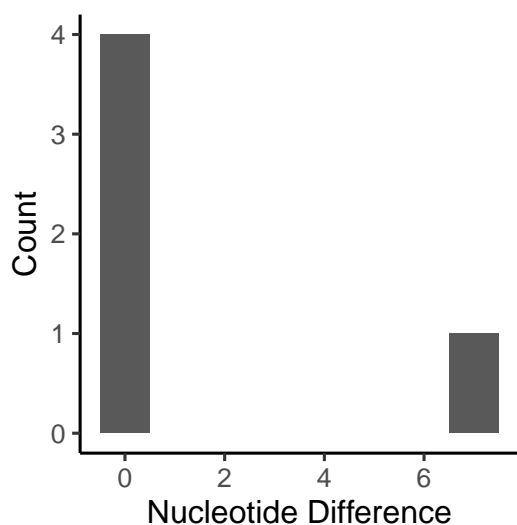
### TRBV27\*ap01

24609 sequences assigned  
24516 (99.6%) exact matches, in which:  
24470 unique CDR3  
13 unique J



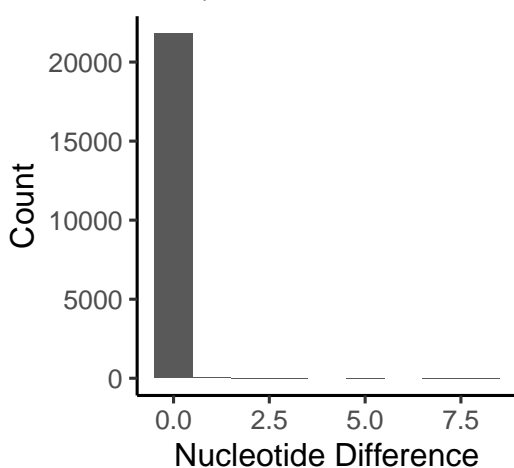
### TRBV17\*ap01

5 sequences assigned  
4 (80%) exact matches, in which:  
4 unique CDR3  
2 unique J



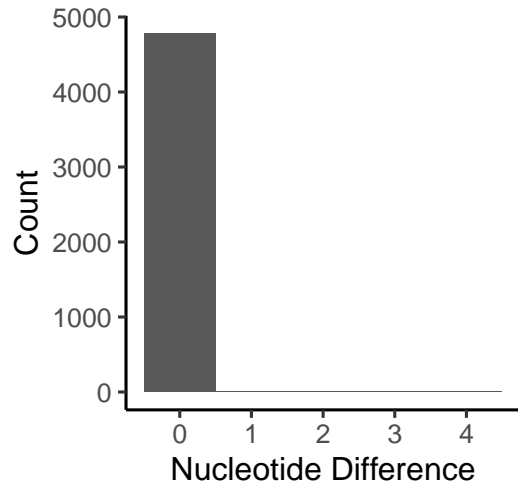
### TRBV2\*ap01

21870 sequences assigned  
21808 (99.7%) exact matches, in which:  
21755 unique CDR3  
13 unique J



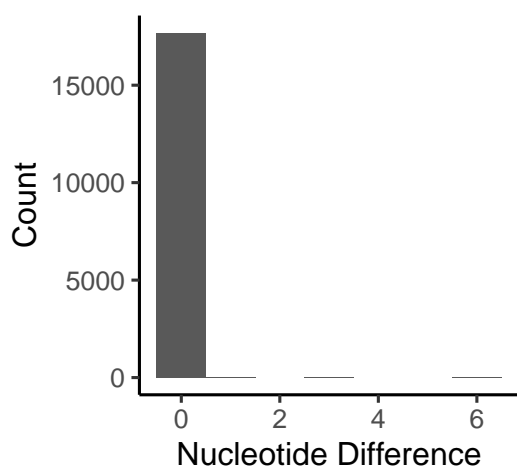
### TRBV28\*ap01

4790 sequences assigned  
4777 (99.7%) exact matches, in which:  
4776 unique CDR3  
13 unique J



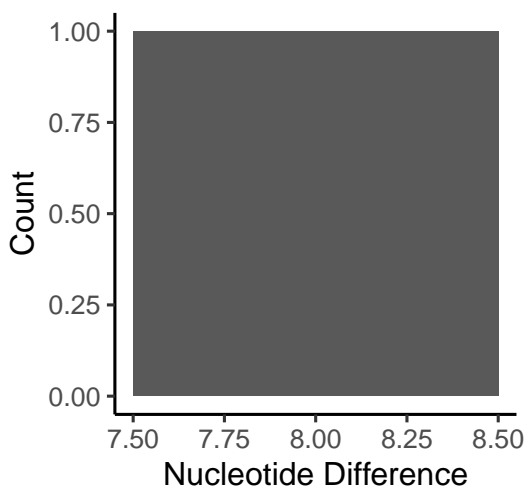
### TRBV18\*ap01

17710 sequences assigned  
17688 (99.9%) exact matches, in which:  
17683 unique CDR3  
13 unique J



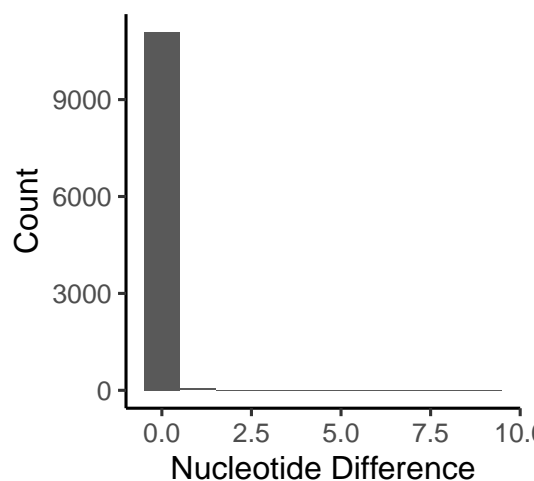
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



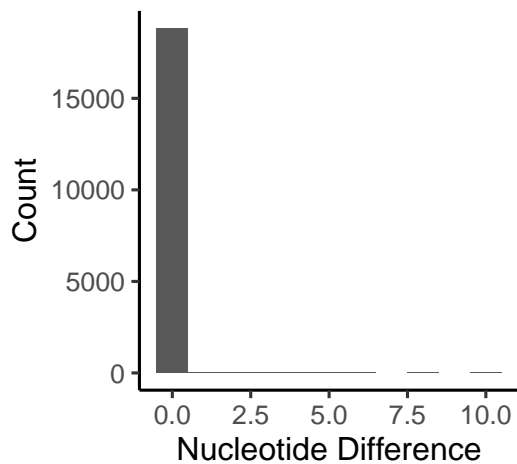
### TRBV30\*ap02

11162 sequences assigned  
11091 (99.4%) exact matches, in which:  
11069 unique CDR3  
13 unique J



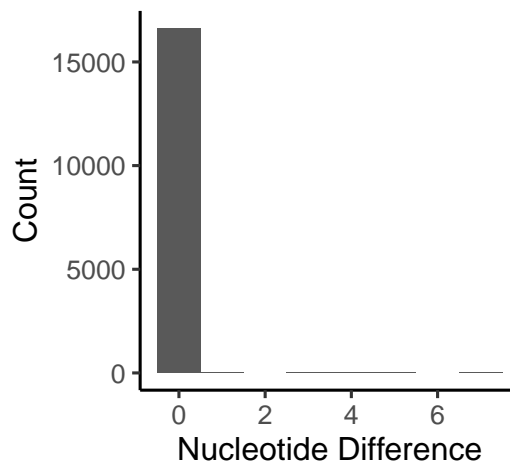
### TRBV9\*ap01

18878 sequences assigned  
18835 (99.8%) exact matches, in which:  
18809 unique CDR3  
13 unique J



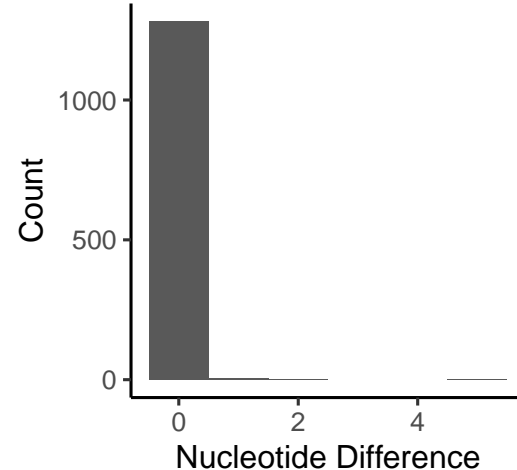
### TRBV11-2\*ap01

16655 sequences assigned  
16630 (99.8%) exact matches, in which:  
16628 unique CDR3  
13 unique J



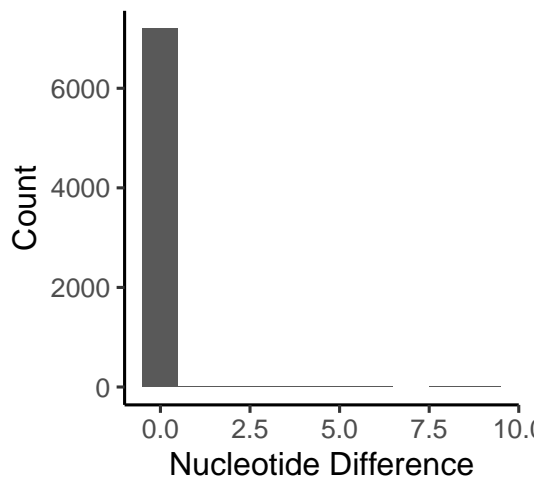
### TRBV12-2\*ap01

1289 sequences assigned  
1281 (99.4%) exact matches, in which:  
1279 unique CDR3  
13 unique J



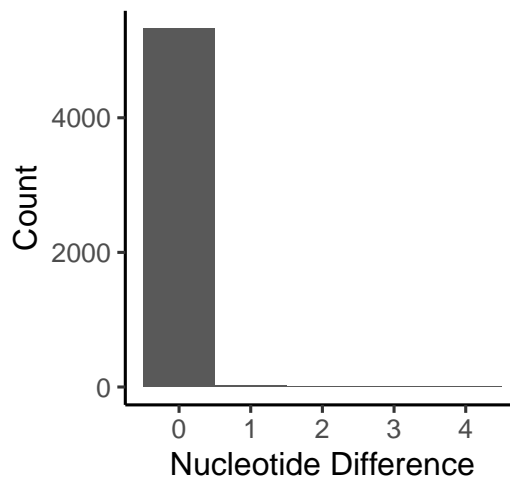
### TRBV21-1\*ap01

7239 sequences assigned  
7196 (99.4%) exact matches, in which:  
7196 unique CDR3  
14 unique J



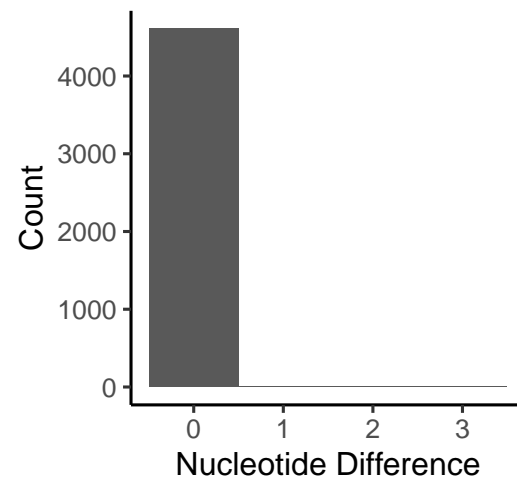
### TRBV11-3\*ap01

5343 sequences assigned  
5323 (99.6%) exact matches, in which:  
5322 unique CDR3  
13 unique J



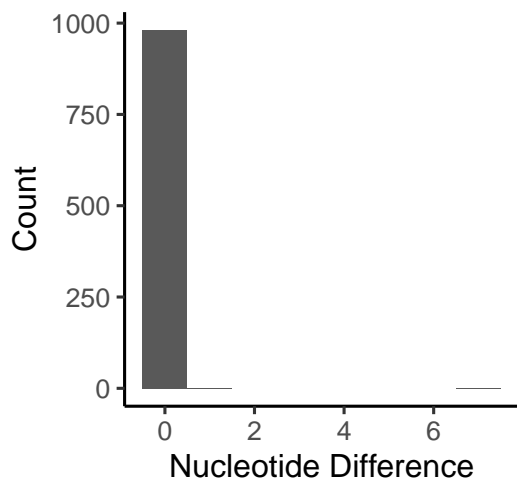
### TRBV12-5\*ap01

4618 sequences assigned  
4608 (99.8%) exact matches, in which:  
4607 unique CDR3  
13 unique J



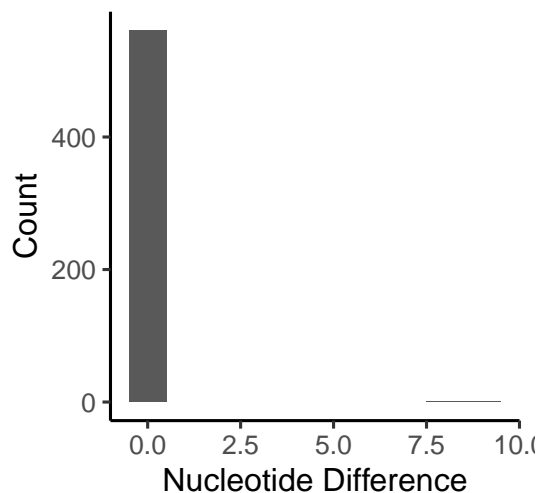
### TRBV11-1\*ap01

983 sequences assigned  
981 (99.8%) exact matches, in which:  
981 unique CDR3  
13 unique J



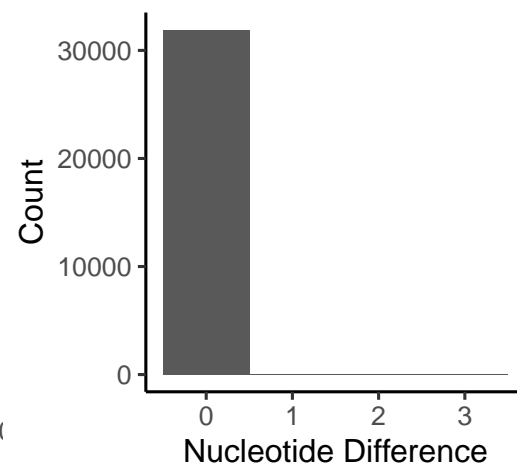
### TRBV12-1\*ap01

563 sequences assigned  
561 (99.6%) exact matches, in which:  
561 unique CDR3  
13 unique J



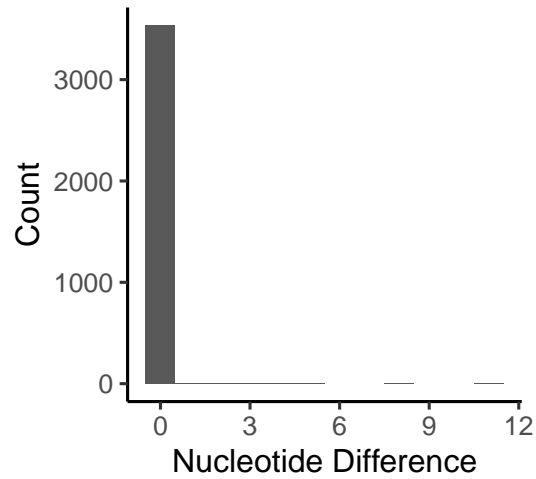
### TRBV12-34\*ap01

31969 sequences assigned  
31907 (99.8%) exact matches, in which:  
31895 unique CDR3  
14 unique J



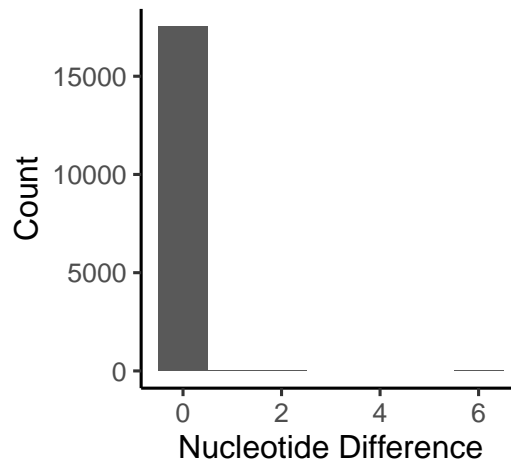
### TRBV23-1\*ap01

3553 sequences assigned  
3535 (99.5%) exact matches, in which:  
3535 unique CDR3  
13 unique J



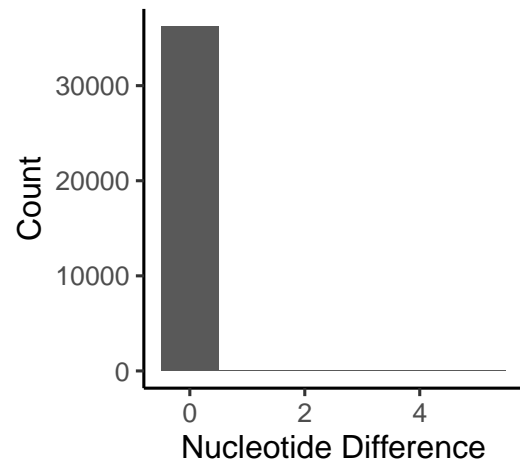
### TRBV4-1\*ap01

17582 sequences assigned  
17549 (99.8%) exact matches, in which:  
17531 unique CDR3  
13 unique J



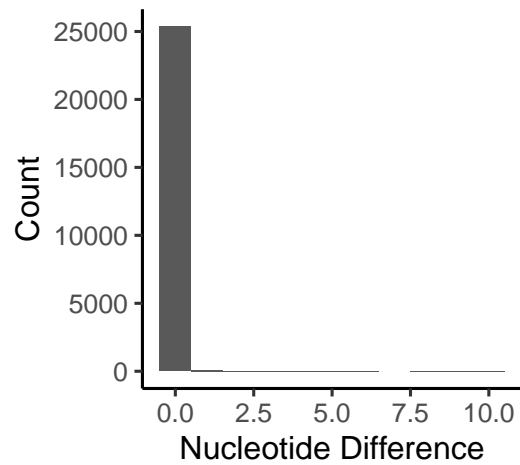
### TRBV5-1\*ap01

36333 sequences assigned  
36256 (99.8%) exact matches, in which:  
36168 unique CDR3  
13 unique J



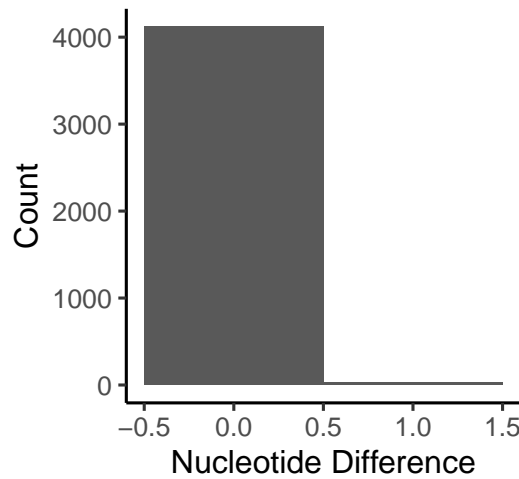
### TRBV3-12\*ap01

25483 sequences assigned  
25369 (99.6%) exact matches, in which:  
25329 unique CDR3  
13 unique J



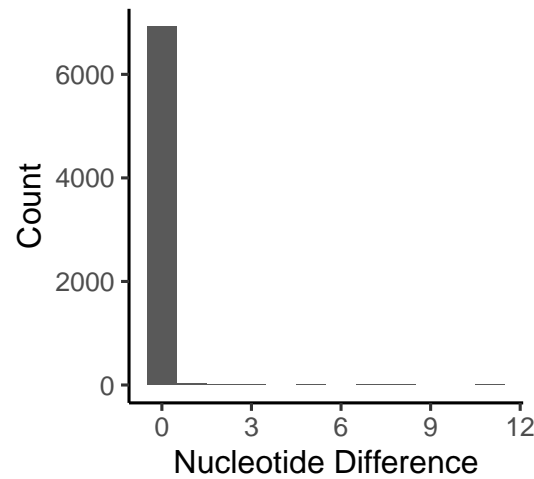
### TRBV4-2\*ap01

4147 sequences assigned  
4120 (99.3%) exact matches, in which:  
4117 unique CDR3  
13 unique J



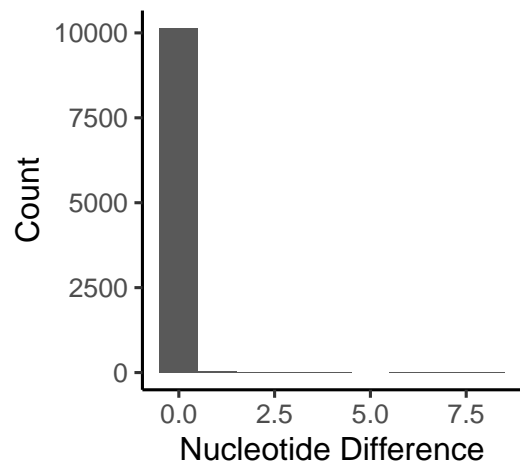
### TRBV25-1\*ap01

6956 sequences assigned  
6920 (99.5%) exact matches, in which:  
6910 unique CDR3  
13 unique J



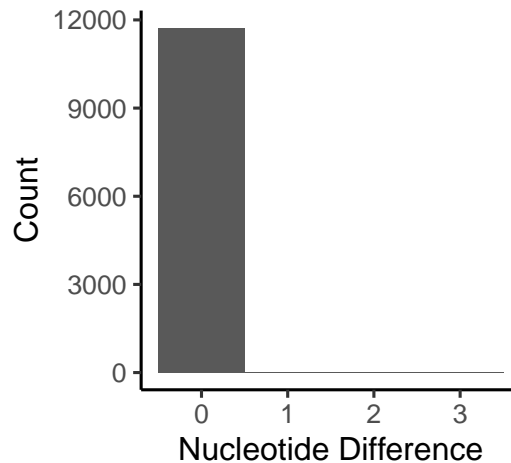
### TRBV24-1\*ap01

10202 sequences assigned  
10150 (99.5%) exact matches, in which:  
10130 unique CDR3  
13 unique J



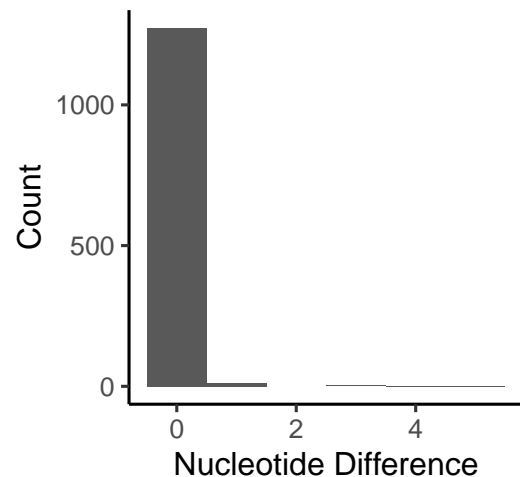
### TRBV4-3\*ap01

11758 sequences assigned  
11732 (99.8%) exact matches, in which:  
11721 unique CDR3  
13 unique J



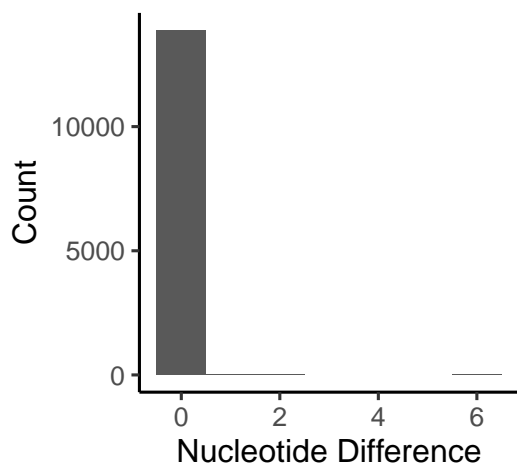
### TRBV5-3\*ap01

1291 sequences assigned  
1273 (98.6%) exact matches, in which:  
1271 unique CDR3  
13 unique J



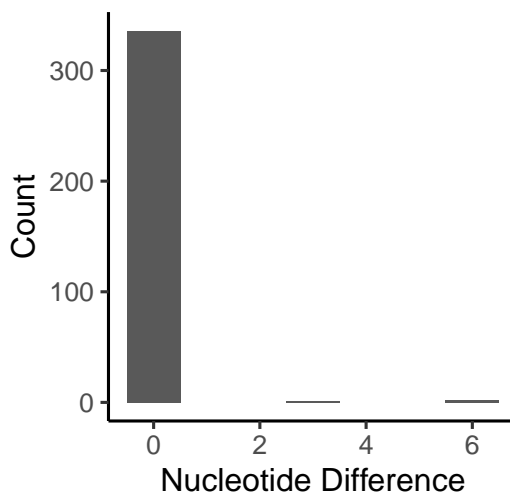
### TRBV5-4\*ap01

13926 sequences assigned  
13885 (99.7%) exact matches, in which:  
13880 unique CDR3  
13 unique J



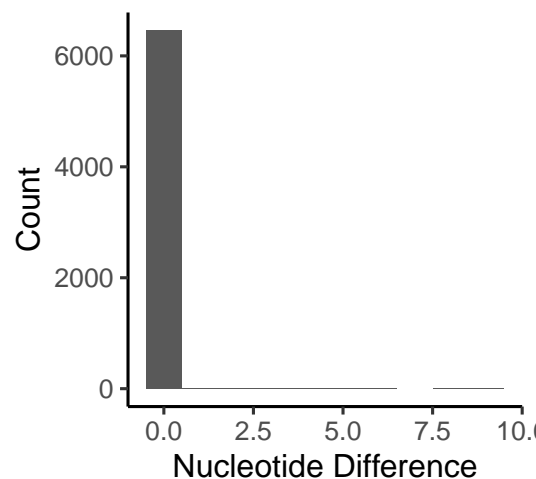
### TRBV5-7\*ap01

339 sequences assigned  
336 (99.1%) exact matches, in which:  
333 unique CDR3  
13 unique J



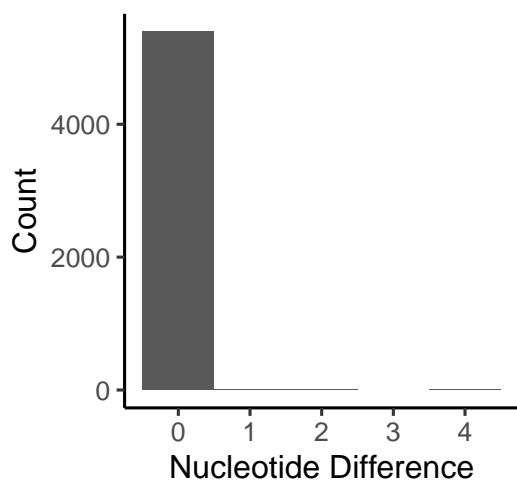
### TRBV6-4\*ap01

6494 sequences assigned  
6459 (99.5%) exact matches, in which:  
6458 unique CDR3  
13 unique J



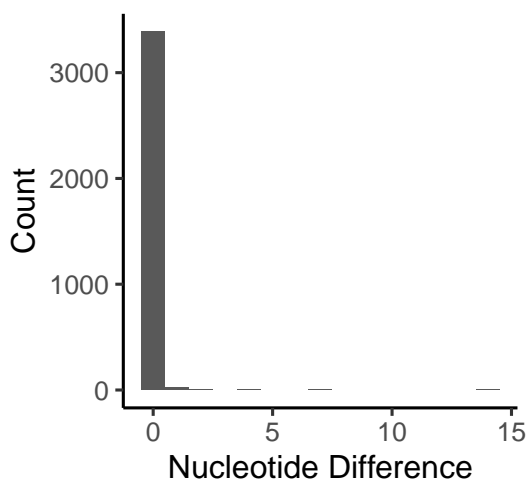
### TRBV5-5\*ap01

5404 sequences assigned  
5393 (99.8%) exact matches, in which:  
5388 unique CDR3  
13 unique J



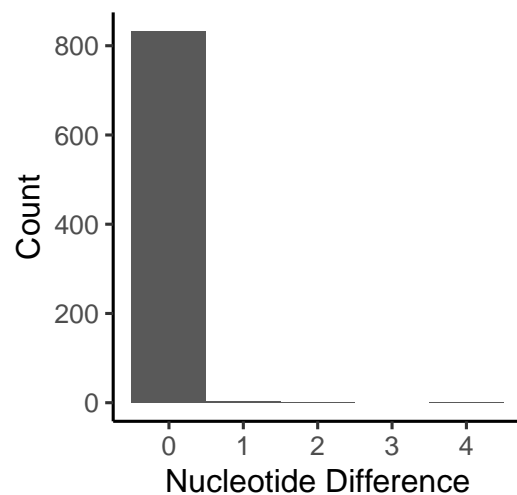
### TRBV5-8\*ap01

3417 sequences assigned  
3387 (99.1%) exact matches, in which:  
3385 unique CDR3  
13 unique J



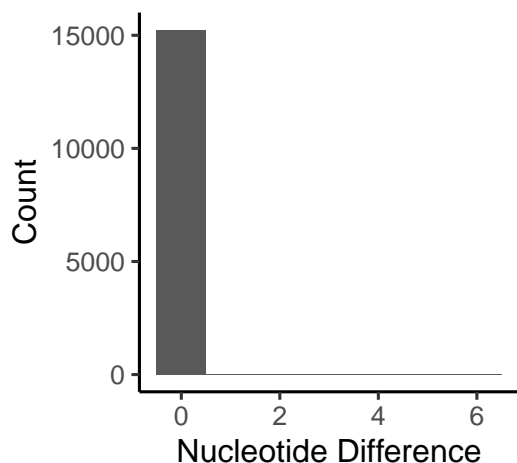
### TRBV6-7\*ap01

840 sequences assigned  
833 (99.2%) exact matches, in which:  
831 unique CDR3  
13 unique J



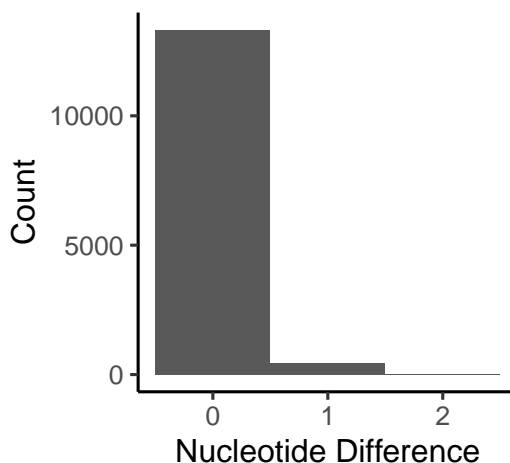
### TRBV5-6\*ap01

15293 sequences assigned  
15243 (99.7%) exact matches, in which:  
15171 unique CDR3  
13 unique J



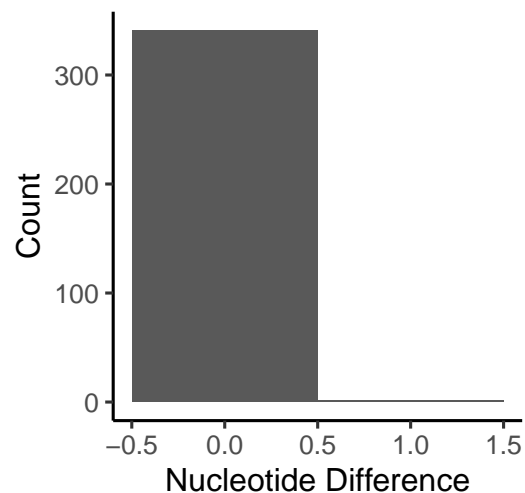
### TRBV6-1\*ap01

13789 sequences assigned  
13325 (96.6%) exact matches, in which:  
13310 unique CDR3  
13 unique J



### TRBV6-8\*ap01

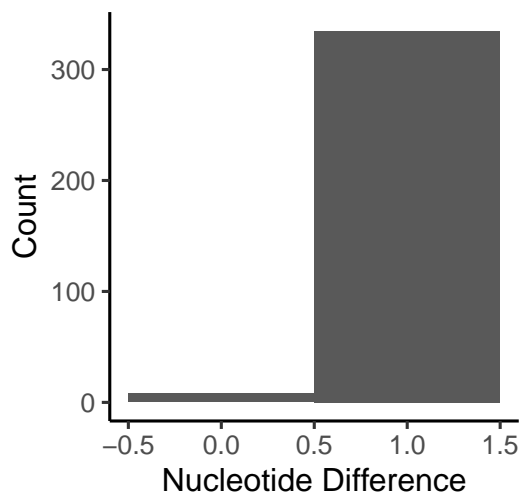
342 sequences assigned  
341 (99.7%) exact matches, in which:  
340 unique CDR3  
13 unique J





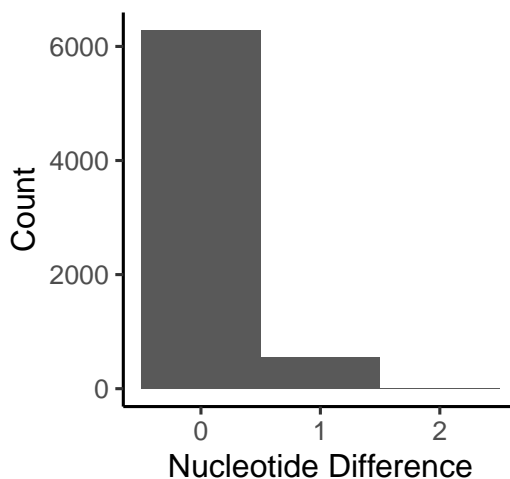
### TRBV6-9\*ap01

343 sequences assigned  
8 (2.3%) exact matches, in which:  
8 unique CDR3  
6 unique J



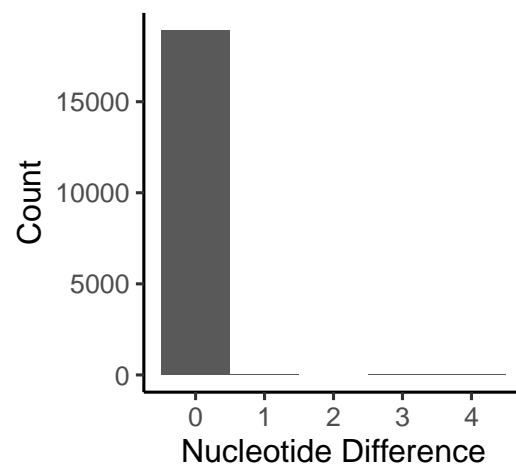
### TRBV6-56\*ap02

6843 sequences assigned  
6281 (91.8%) exact matches, in which:  
6278 unique CDR3  
13 unique J



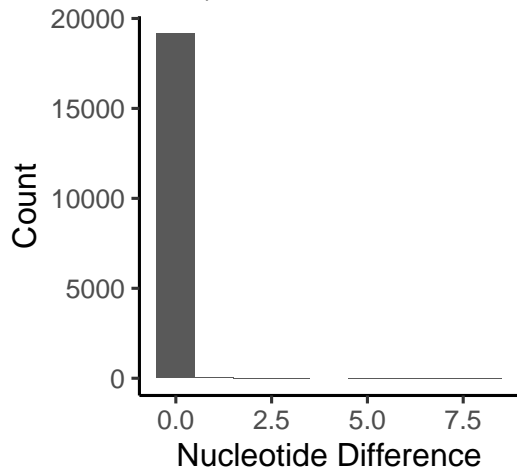
### TRBV7-2\*ap01

18964 sequences assigned  
18928 (99.8%) exact matches, in which:  
18923 unique CDR3  
13 unique J



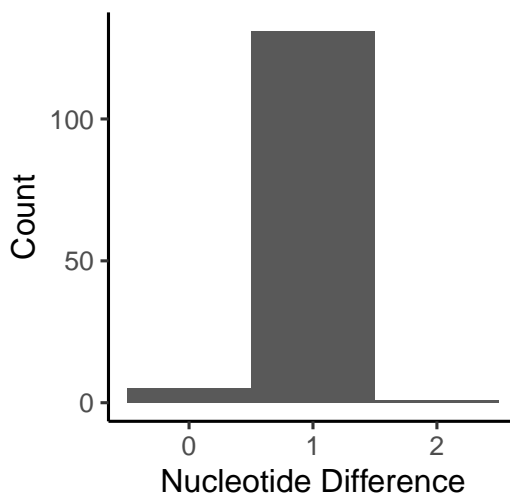
### TRBV6-23\*ap01

19223 sequences assigned  
19166 (99.7%) exact matches, in which:  
19142 unique CDR3  
13 unique J



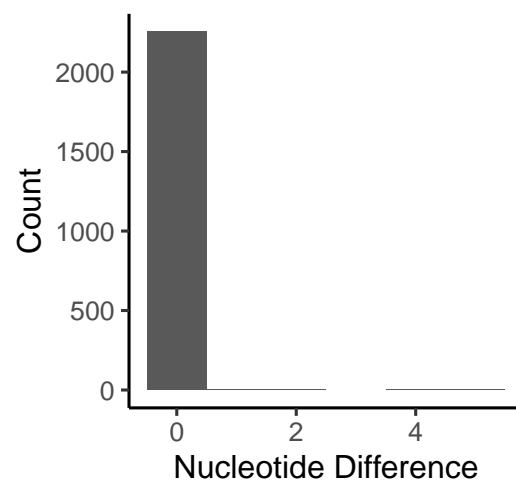
### TRBV7-1\*ap01\_T296C

137 sequences assigned  
5 (3.6%) exact matches, in which:  
5 unique CDR3  
4 unique J



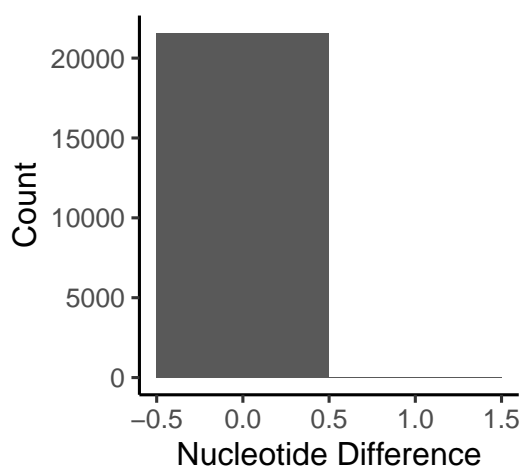
### TRBV7-3\*ap02

2264 sequences assigned  
2254 (99.6%) exact matches, in which:  
2254 unique CDR3  
13 unique J



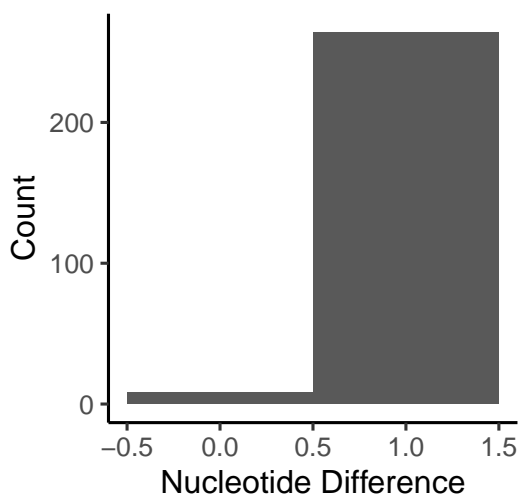
### TRBV6-56\*ap01

21628 sequences assigned  
21584 (99.8%) exact matches, in which:  
21544 unique CDR3  
13 unique J



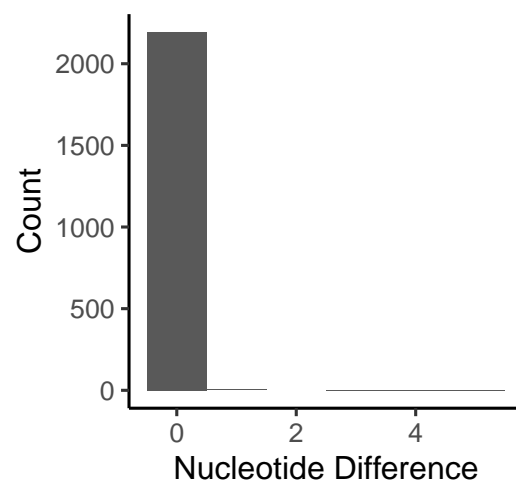
### TRBV7-1\*ap01\_T296C\_

272 sequences assigned  
8 (2.9%) exact matches, in which:  
8 unique CDR3  
5 unique J



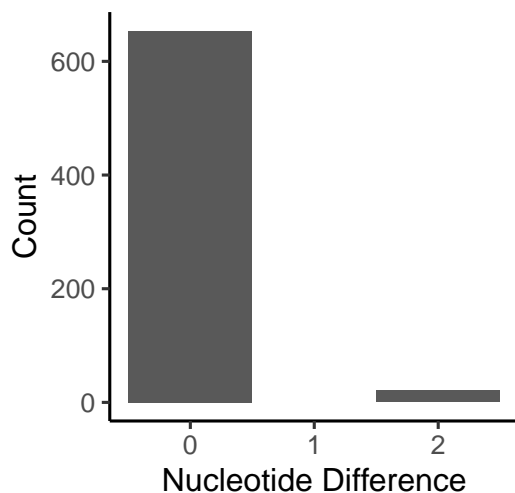
### TRBV7-3\*ap03

2202 sequences assigned  
2194 (99.6%) exact matches, in which:  
2193 unique CDR3  
13 unique J



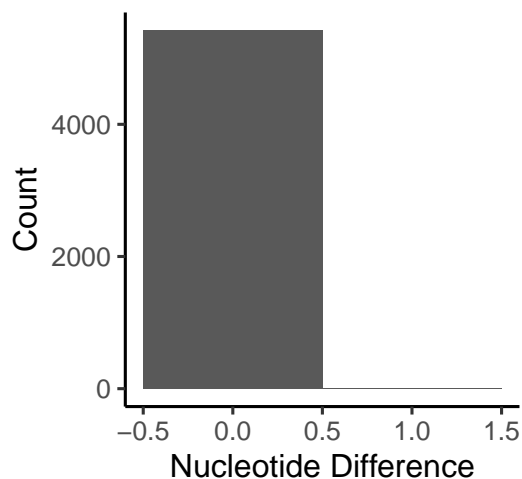
### TRBV7-4\*ap01

675 sequences assigned  
654 (96.9%) exact matches, in which:  
653 unique CDR3  
13 unique J



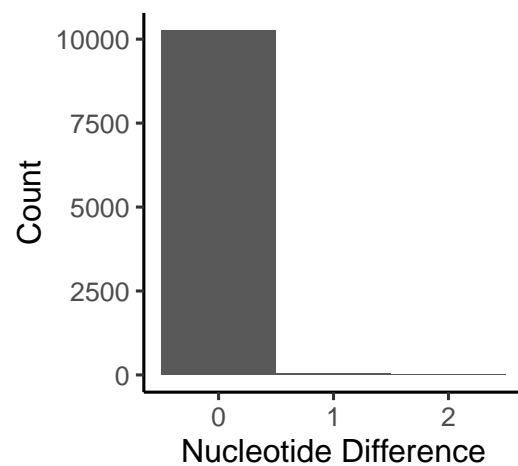
### TRBV7-8\*ap01

5425 sequences assigned  
5421 (99.9%) exact matches, in which:  
5418 unique CDR3  
13 unique J



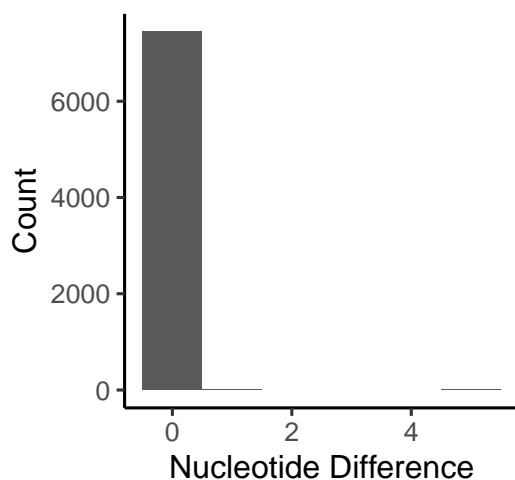
### TRBV29-1\*ap01

10306 sequences assigned  
10269 (99.6%) exact matches, in which:  
10247 unique CDR3  
13 unique J



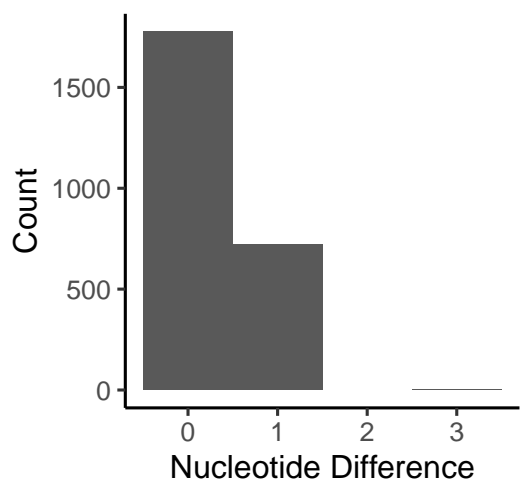
### TRBV7-6\*ap01

7451 sequences assigned  
7444 (99.9%) exact matches, in which:  
7438 unique CDR3  
13 unique J



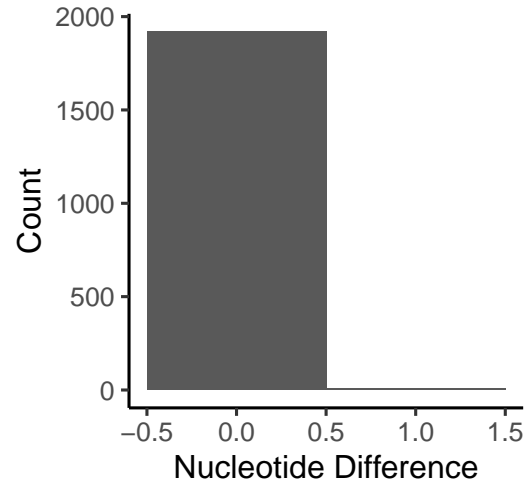
### TRBV7-8\*ap03

2496 sequences assigned  
1776 (71.2%) exact matches, in which:  
1776 unique CDR3  
13 unique J



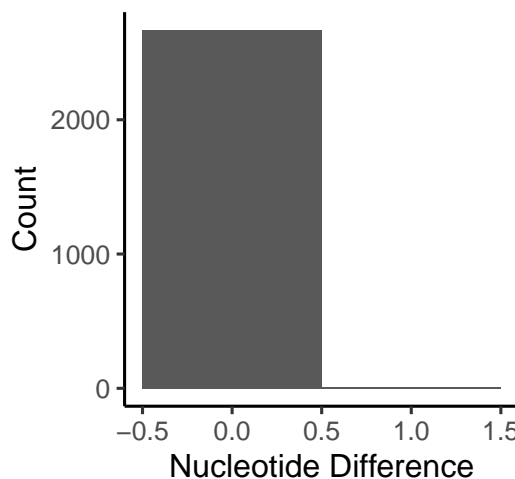
### TRBV29-1\*ap02

1925 sequences assigned  
1919 (99.7%) exact matches, in which:  
1916 unique CDR3  
13 unique J



### TRBV7-7\*ap01

2680 sequences assigned  
2668 (99.6%) exact matches, in which:  
2667 unique CDR3  
13 unique J



### TRBV7-9\*ap01

27539 sequences assigned  
27502 (99.9%) exact matches, in which:  
27495 unique CDR3  
13 unique J

