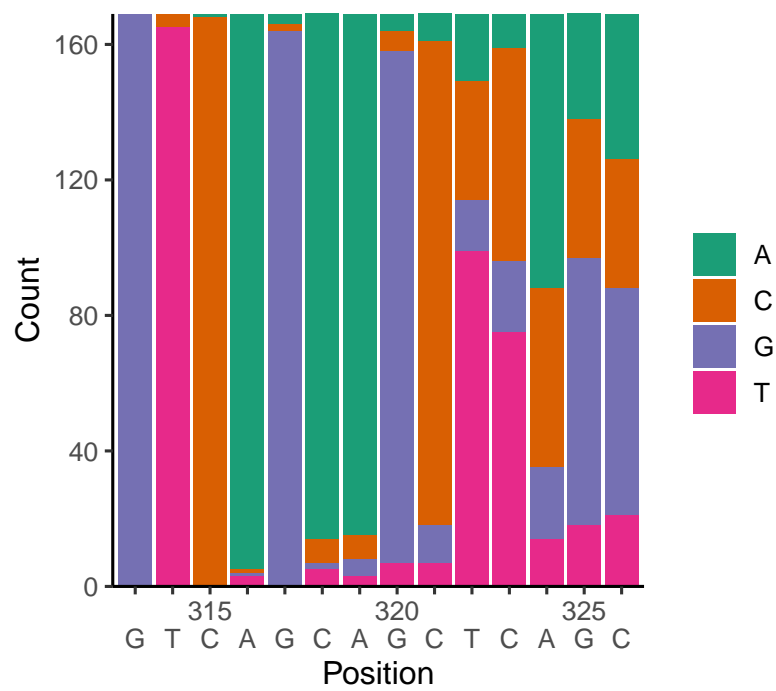
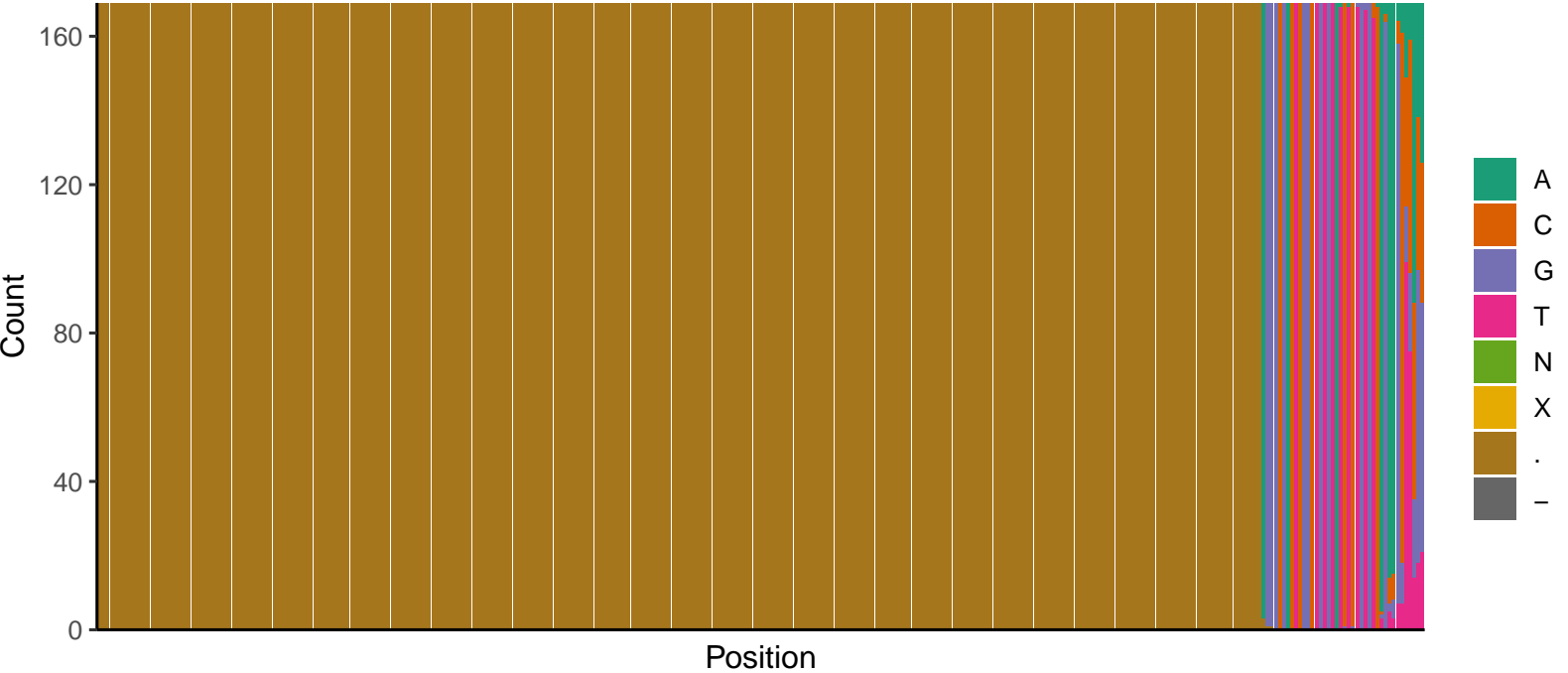


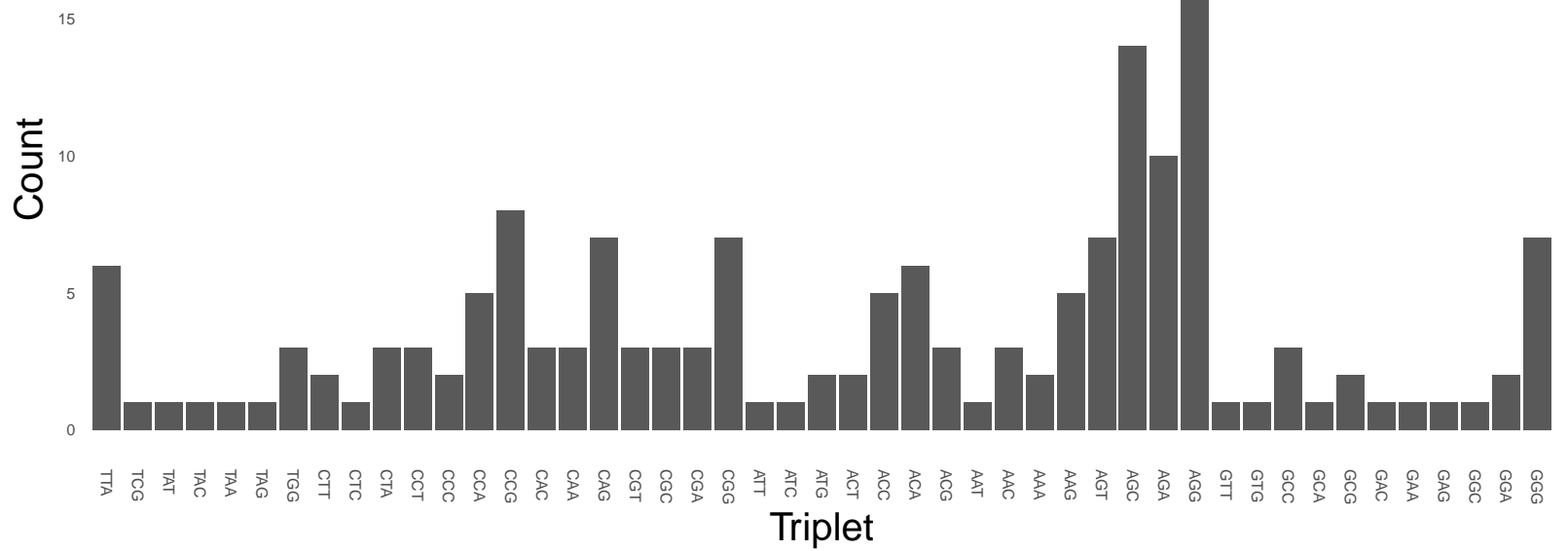
# Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

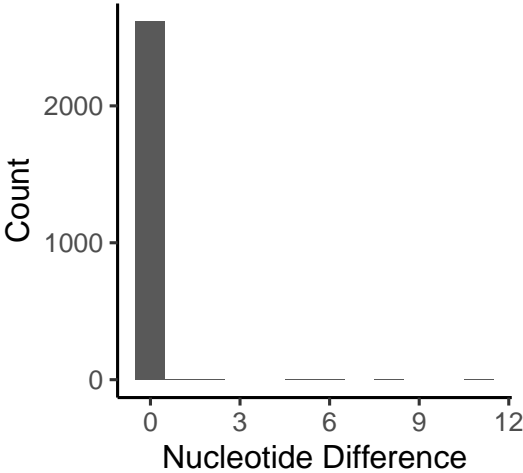


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



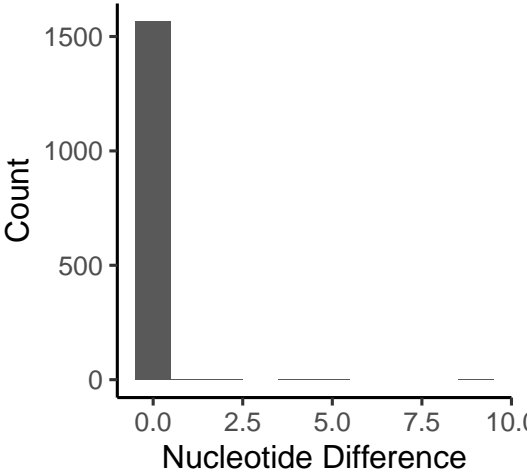
TRBV10-1\*ap01

2626 sequences assigned  
2617 (99.7%) exact matches, in which:  
2613 unique CDR3  
13 unique J



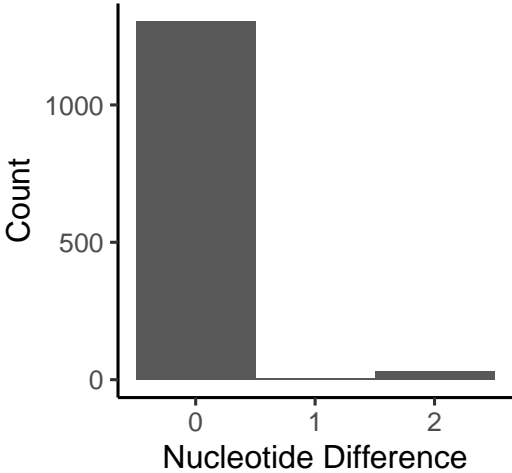
TRBV10-2\*ap01

1576 sequences assigned  
1566 (99.4%) exact matches, in which:  
1566 unique CDR3  
13 unique J



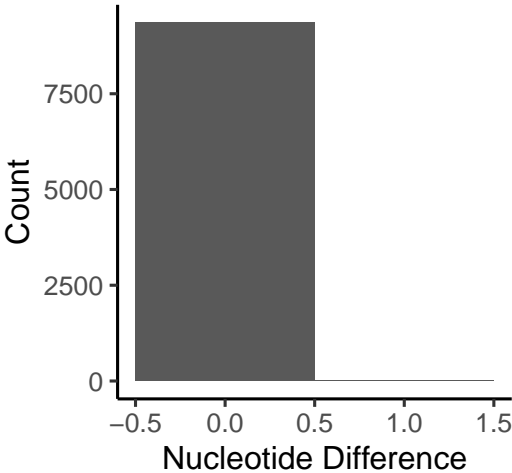
TRBV13\*ap01

1339 sequences assigned  
1304 (97.4%) exact matches, in which:  
1303 unique CDR3  
14 unique J



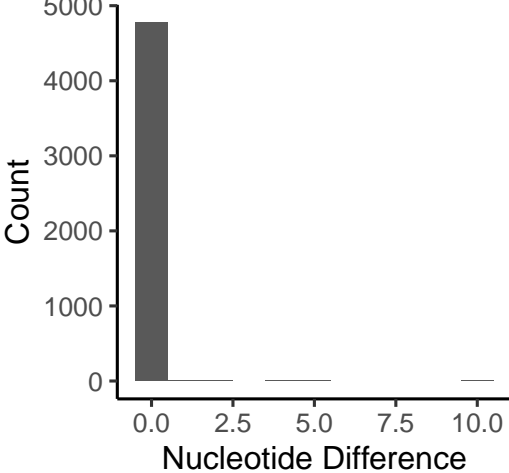
TRBV20-1\*ap01

9374 sequences assigned  
9354 (99.8%) exact matches, in which:  
9344 unique CDR3  
13 unique J



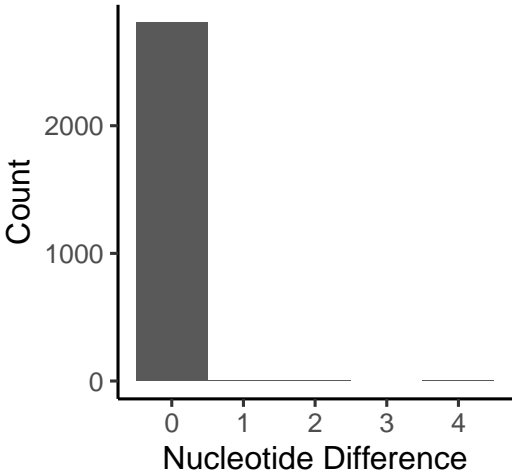
TRBV10-3\*ap01

4791 sequences assigned  
4773 (99.6%) exact matches, in which:  
4768 unique CDR3  
13 unique J



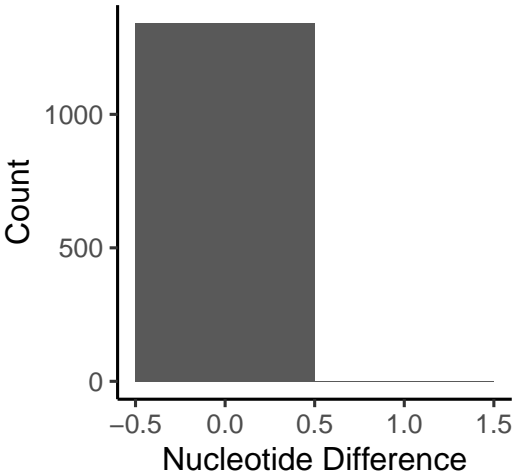
TRBV14\*ap01

2815 sequences assigned  
2807 (99.7%) exact matches, in which:  
2804 unique CDR3  
13 unique J



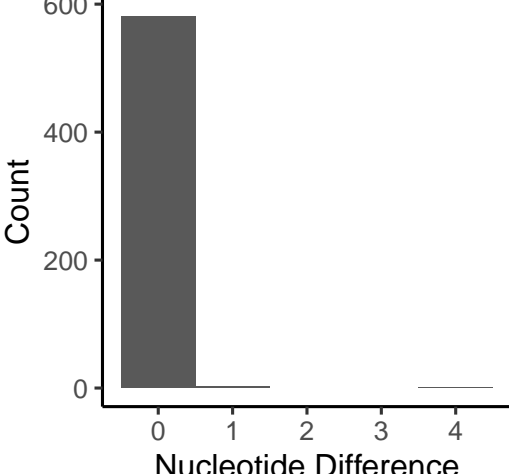
TRBV20-1\*ap02

1343 sequences assigned  
1342 (99.9%) exact matches, in which:  
1341 unique CDR3  
13 unique J



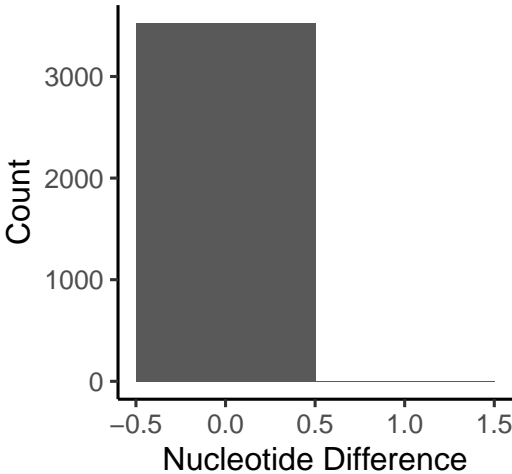
TRBV1\*ap01

585 sequences assigned  
581 (99.3%) exact matches, in which:  
580 unique CDR3  
13 unique J



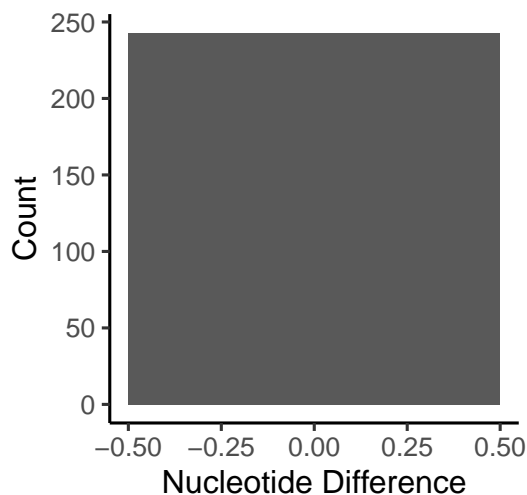
TRBV15\*ap02

3531 sequences assigned  
3526 (99.9%) exact matches, in which:  
3522 unique CDR3  
13 unique J



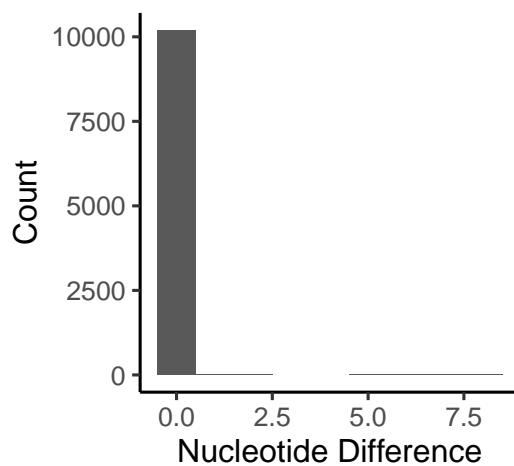
### TRBV16\*ap01

243 sequences assigned  
243 (100%) exact matches, in which:  
243 unique CDR3  
13 unique J



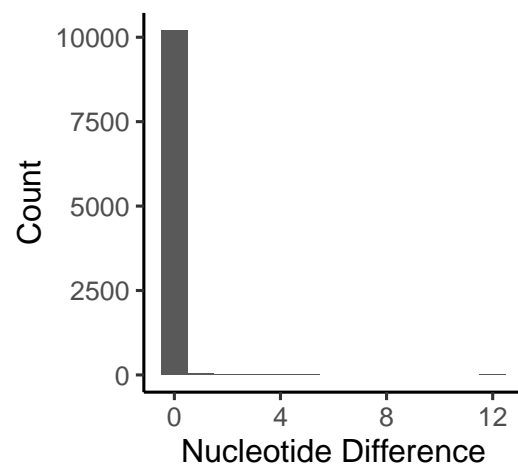
### TRBV19\*ap01

10226 sequences assigned  
10197 (99.7%) exact matches, in which:  
10197 unique CDR3  
13 unique J



### TRBV27\*ap01

10260 sequences assigned  
10210 (99.5%) exact matches, in which:  
10179 unique CDR3  
13 unique J



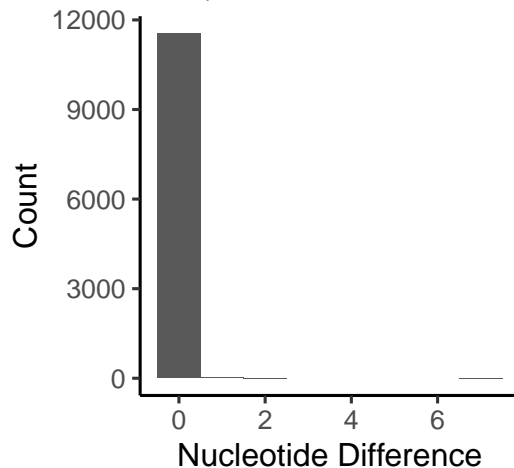
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



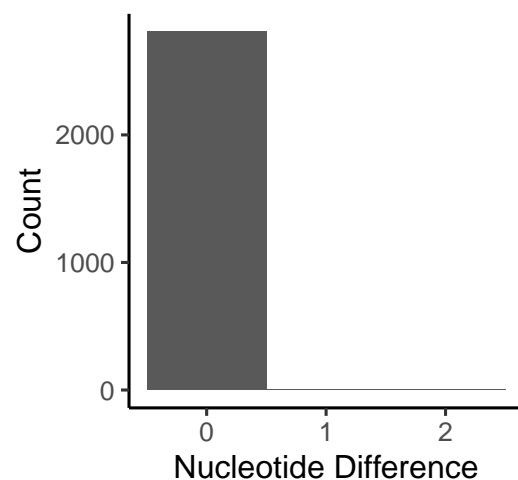
### TRBV2\*ap01

11583 sequences assigned  
11546 (99.7%) exact matches, in which:  
11532 unique CDR3  
13 unique J



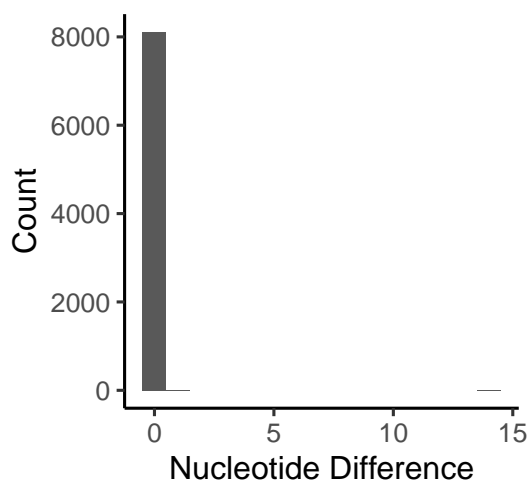
### TRBV28\*ap01

2814 sequences assigned  
2809 (99.8%) exact matches, in which:  
2806 unique CDR3  
14 unique J



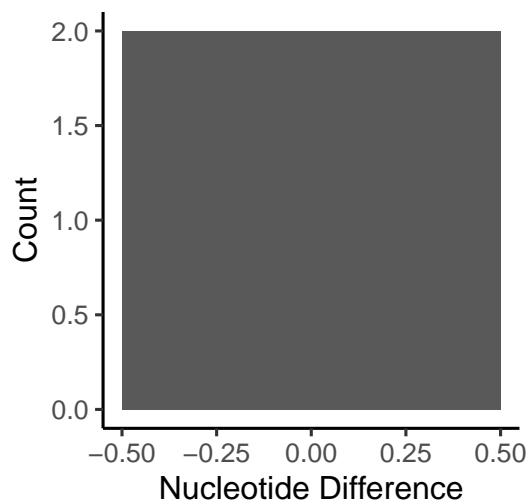
### TRBV18\*ap01

8116 sequences assigned  
8109 (99.9%) exact matches, in which:  
8102 unique CDR3  
13 unique J



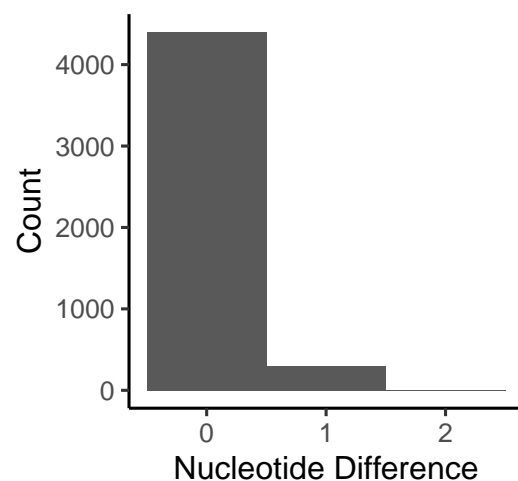
### TRBV26\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
1 unique J



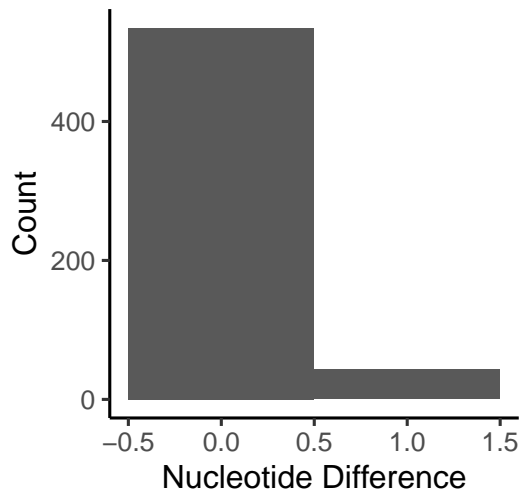
### TRBV30\*ap01

4698 sequences assigned  
4400 (93.7%) exact matches, in which:  
4390 unique CDR3  
13 unique J



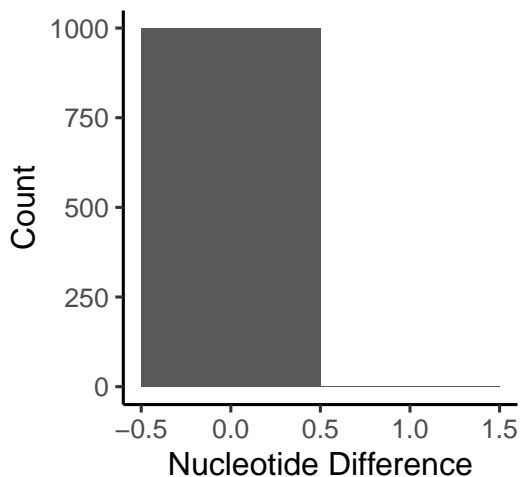
### TRBV30\*ap03

578 sequences assigned  
535 (92.6%) exact matches, in which:  
534 unique CDR3  
12 unique J



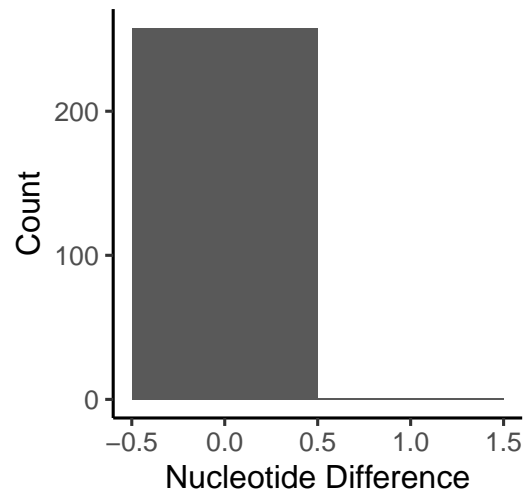
### TRBV11-1\*ap01

1000 sequences assigned  
999 (99.9%) exact matches, in which:  
999 unique CDR3  
13 unique J



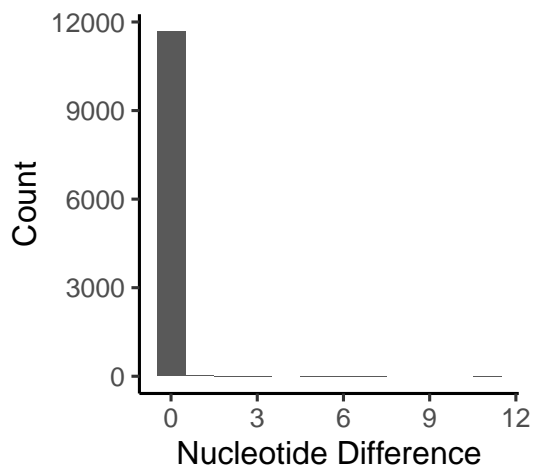
### TRBV12-1\*ap01

259 sequences assigned  
258 (99.6%) exact matches, in which:  
258 unique CDR3  
13 unique J



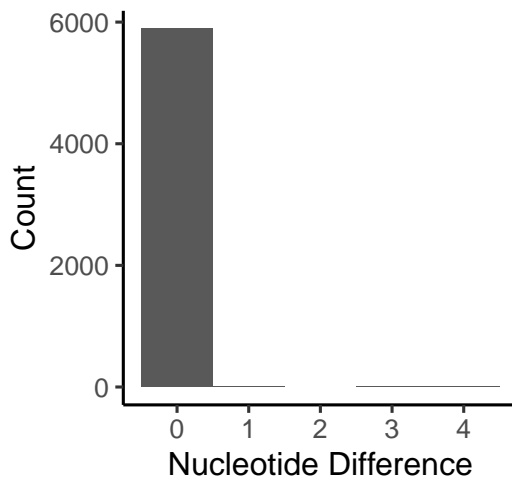
### TRBV9\*ap01

11705 sequences assigned  
11679 (99.8%) exact matches, in which:  
11670 unique CDR3  
13 unique J



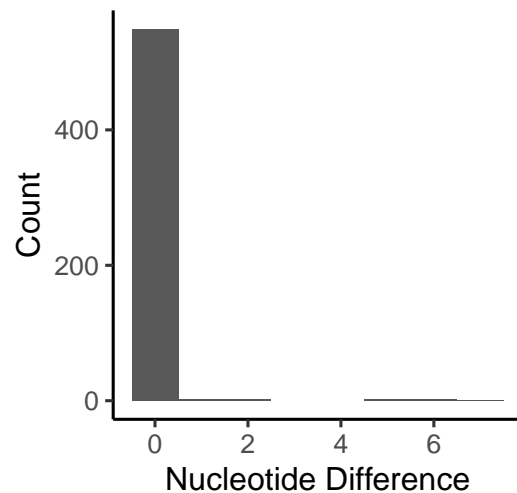
### TRBV11-2\*ap01

5902 sequences assigned  
5891 (99.8%) exact matches, in which:  
5891 unique CDR3  
13 unique J



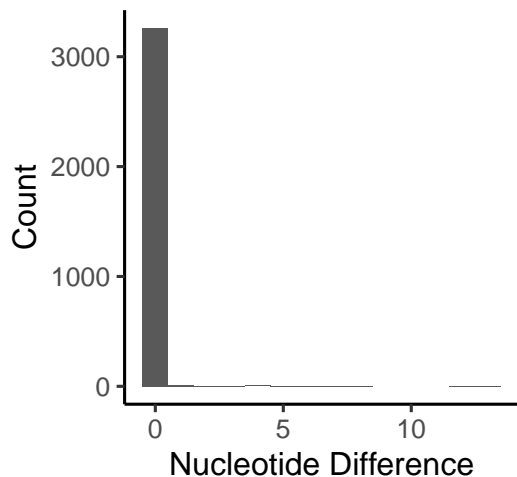
### TRBV12-2\*ap01

558 sequences assigned  
549 (98.4%) exact matches, in which:  
548 unique CDR3  
13 unique J



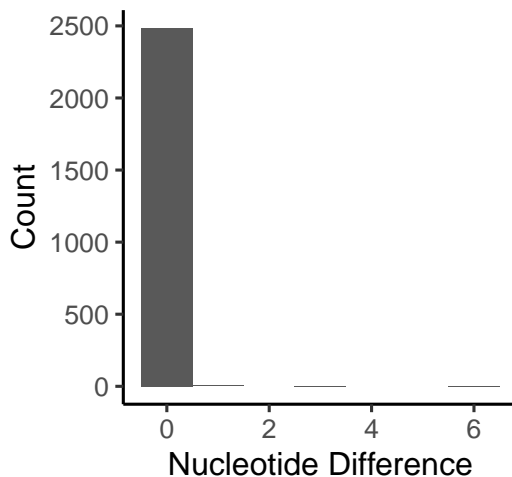
### TRBV21-1\*ap01

3298 sequences assigned  
3261 (98.9%) exact matches, in which:  
3261 unique CDR3  
13 unique J



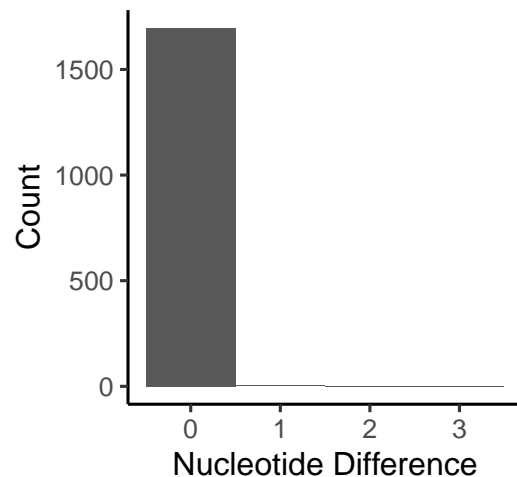
### TRBV11-3\*ap01

2493 sequences assigned  
2485 (99.7%) exact matches, in which:  
2484 unique CDR3  
13 unique J



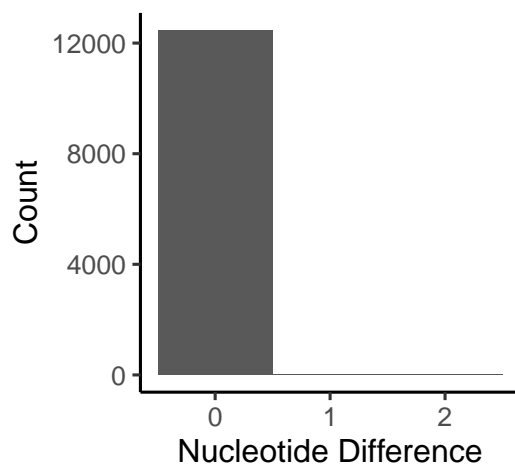
### TRBV12-5\*ap01

1702 sequences assigned  
1696 (99.6%) exact matches, in which:  
1695 unique CDR3  
13 unique J



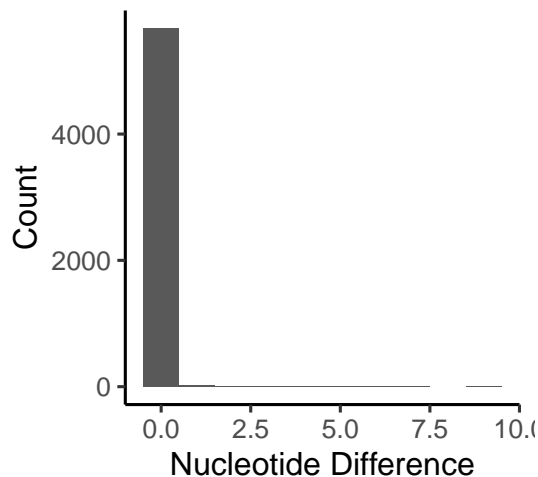
### TRBV12-34\*ap01

12487 sequences assigned  
12468 (99.8%) exact matches, in which:  
12463 unique CDR3  
13 unique J



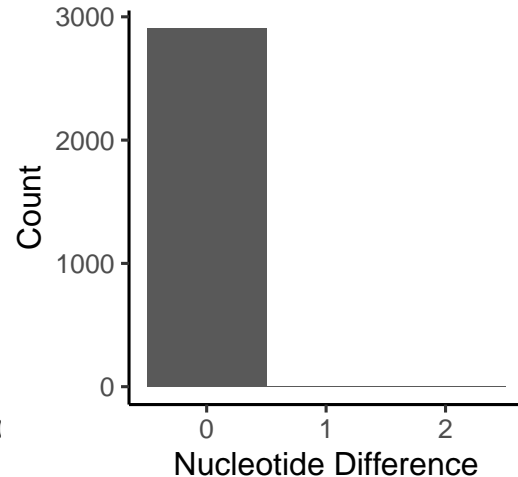
### TRBV24-1\*ap01

5708 sequences assigned  
5673 (99.4%) exact matches, in which:  
5663 unique CDR3  
13 unique J



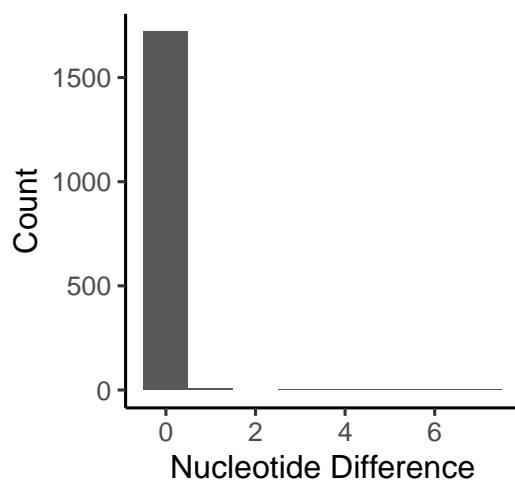
### TRBV4-3\*ap01

2910 sequences assigned  
2906 (99.9%) exact matches, in which:  
2899 unique CDR3  
13 unique J



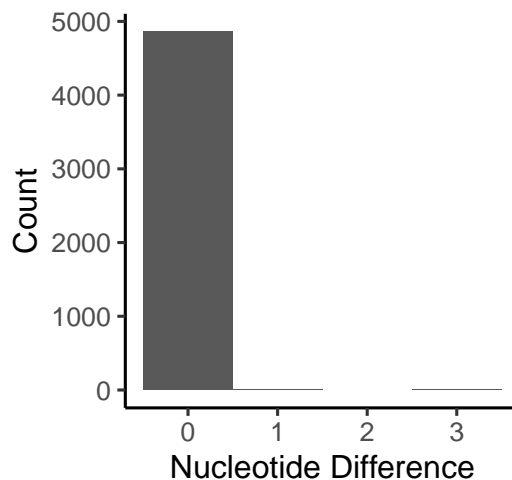
### TRBV23-1\*ap01

1733 sequences assigned  
1720 (99.2%) exact matches, in which:  
1720 unique CDR3  
13 unique J



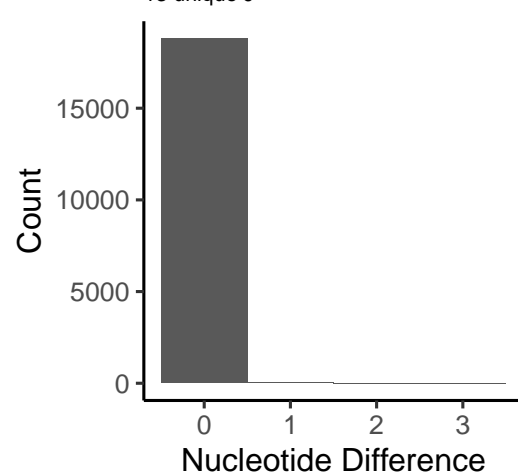
### TRBV4-1\*ap01

4870 sequences assigned  
4860 (99.8%) exact matches, in which:  
4859 unique CDR3  
13 unique J



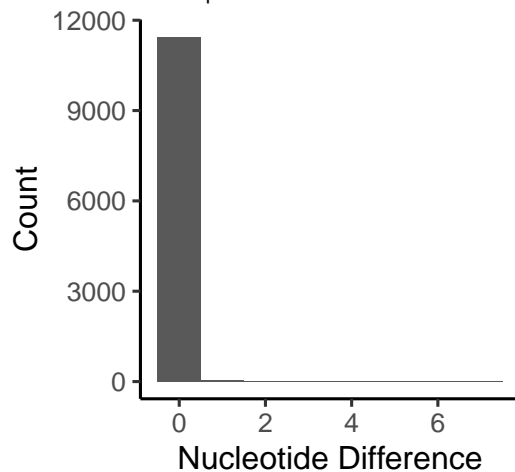
### TRBV5-1\*ap01

18838 sequences assigned  
18803 (99.8%) exact matches, in which:  
18746 unique CDR3  
13 unique J



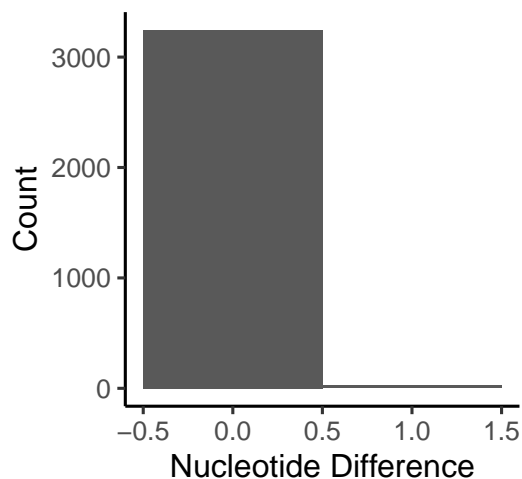
### TRBV3-12\*ap01

11511 sequences assigned  
11450 (99.5%) exact matches, in which:  
11432 unique CDR3  
13 unique J



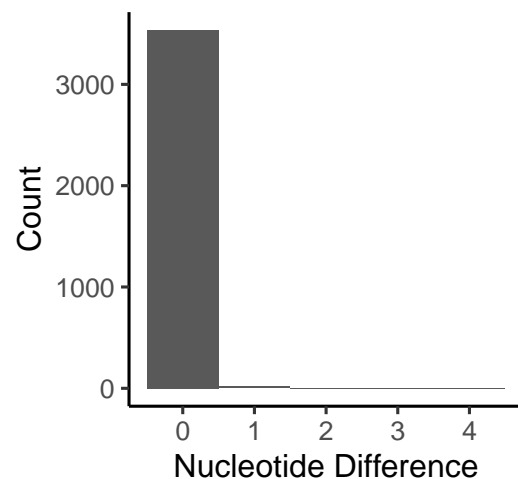
### TRBV4-2\*ap01

3270 sequences assigned  
3245 (99.2%) exact matches, in which:  
3245 unique CDR3  
13 unique J



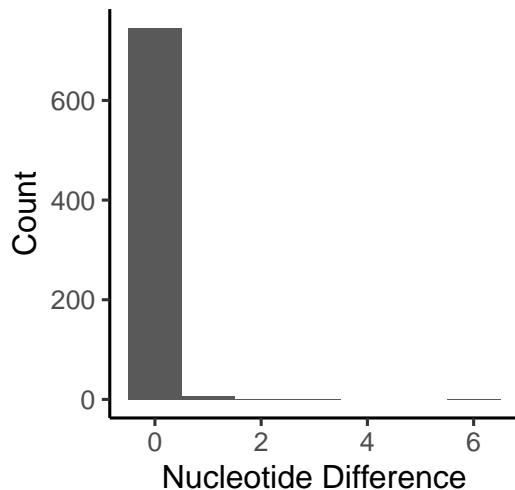
### TRBV25-1\*ap01

3563 sequences assigned  
3536 (99.2%) exact matches, in which:  
3532 unique CDR3  
13 unique J



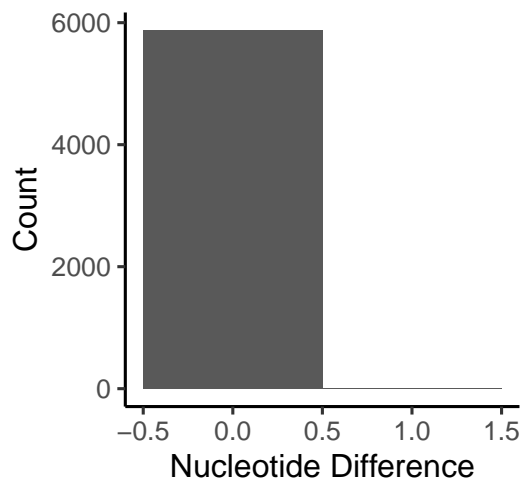
### TRBV5-3\*ap01

756 sequences assigned  
746 (98.7%) exact matches, in which:  
744 unique CDR3  
13 unique J



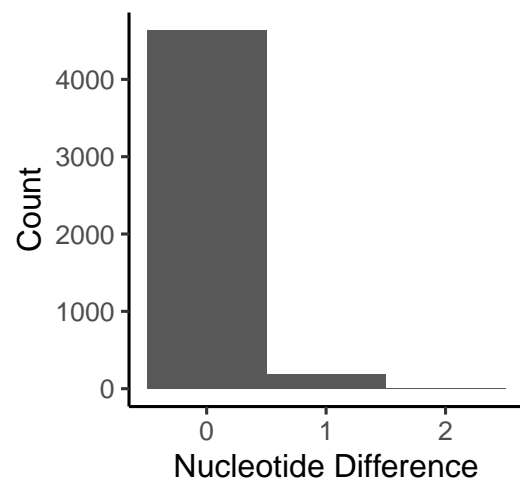
### TRBV5-6\*ap01

5887 sequences assigned  
5873 (99.8%) exact matches, in which:  
5850 unique CDR3  
13 unique J



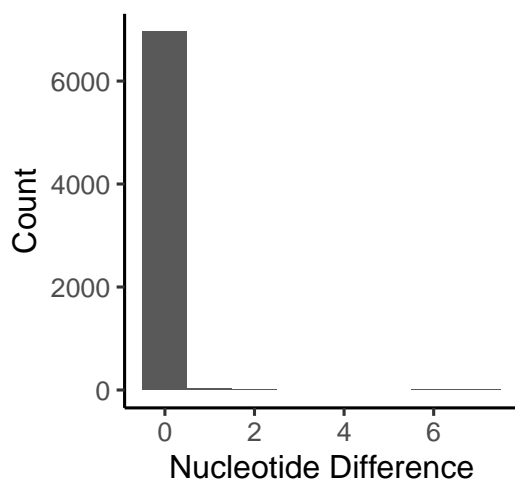
### TRBV6-1\*ap01

4822 sequences assigned  
4633 (96.1%) exact matches, in which:  
4631 unique CDR3  
13 unique J



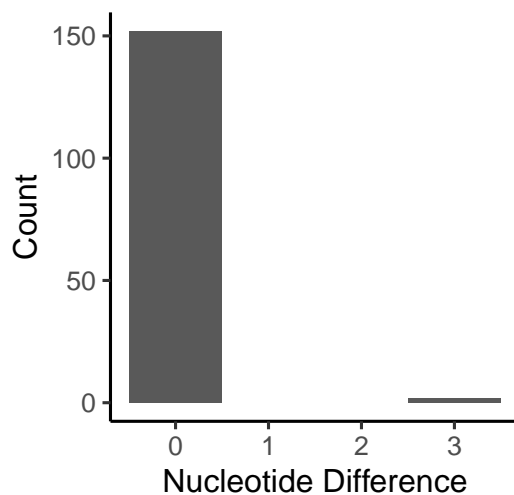
### TRBV5-4\*ap01

6990 sequences assigned  
6958 (99.5%) exact matches, in which:  
6955 unique CDR3  
13 unique J



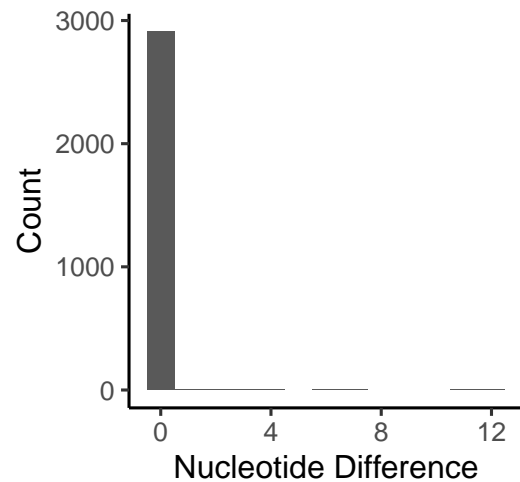
### TRBV5-7\*ap01

154 sequences assigned  
152 (98.7%) exact matches, in which:  
149 unique CDR3  
13 unique J



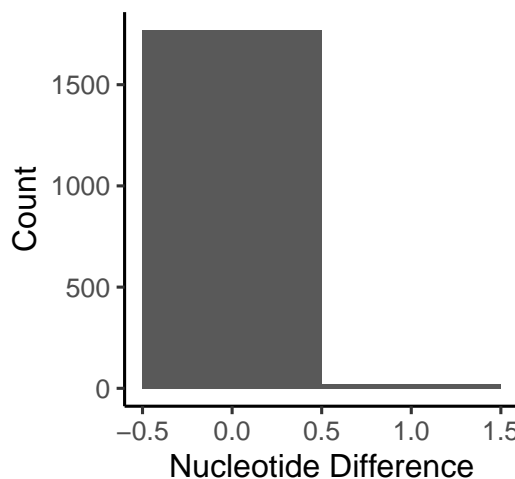
### TRBV6-4\*ap01

2925 sequences assigned  
2909 (99.5%) exact matches, in which:  
2909 unique CDR3  
13 unique J



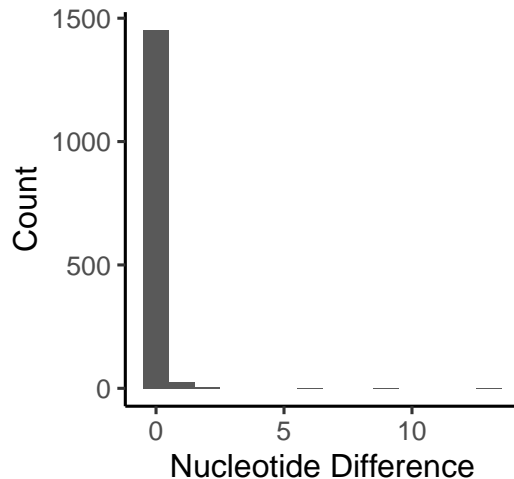
### TRBV5-5\*ap01

1790 sequences assigned  
1770 (98.9%) exact matches, in which:  
1759 unique CDR3  
13 unique J



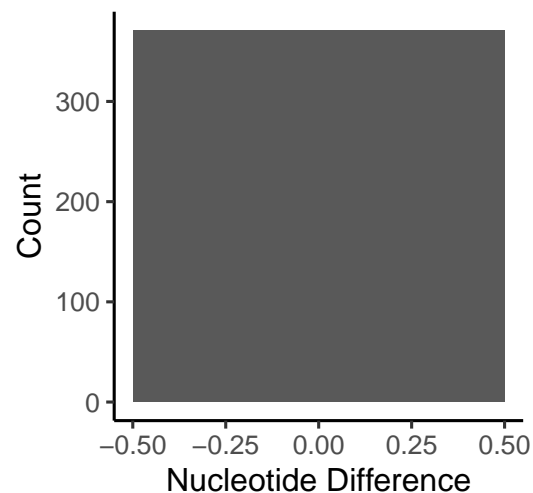
### TRBV5-8\*ap01

1487 sequences assigned  
1452 (97.6%) exact matches, in which:  
1452 unique CDR3  
13 unique J



### TRBV6-7\*ap01

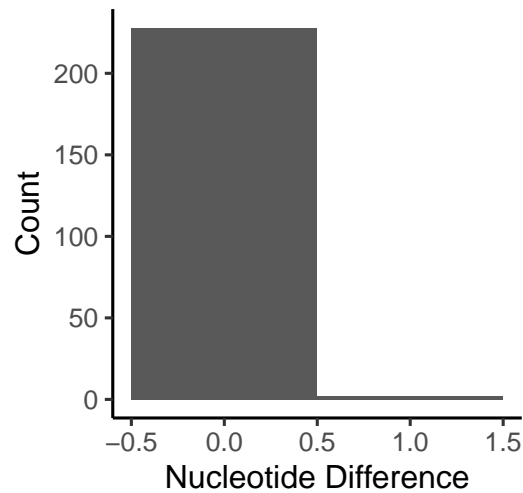
371 sequences assigned  
371 (100%) exact matches, in which:  
371 unique CDR3  
13 unique J





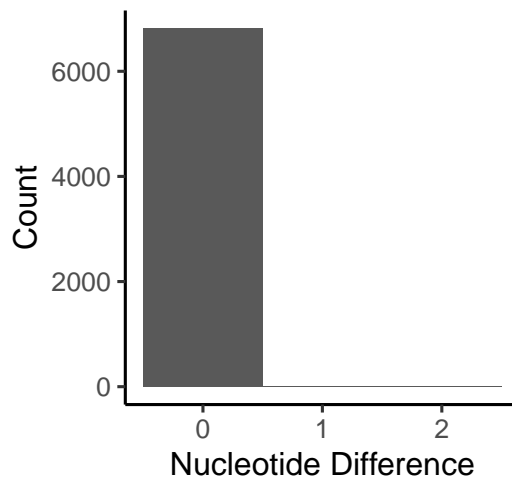
### TRBV6-8\*ap01

230 sequences assigned  
228 (99.1%) exact matches, in which:  
228 unique CDR3  
13 unique J



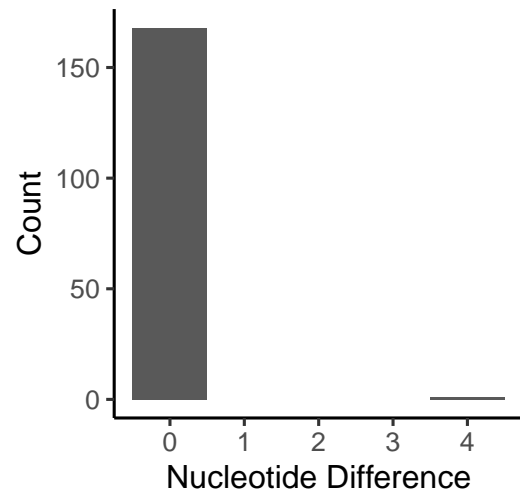
### TRBV6-56\*ap01

6830 sequences assigned  
6816 (99.8%) exact matches, in which:  
6810 unique CDR3  
13 unique J



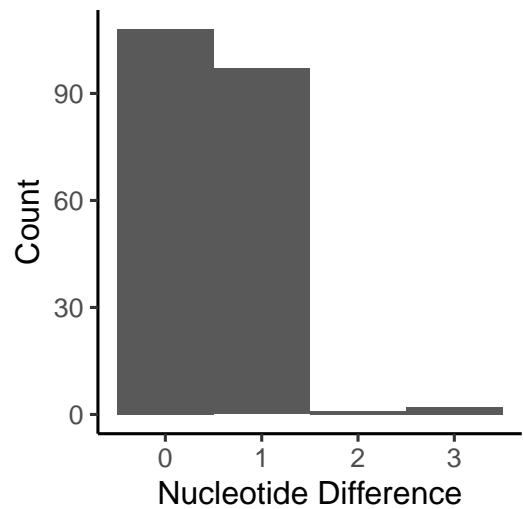
### TRBV7-1\*ap01\_G291C\_1

169 sequences assigned  
168 (99.4%) exact matches, in which:  
168 unique CDR3  
12 unique J



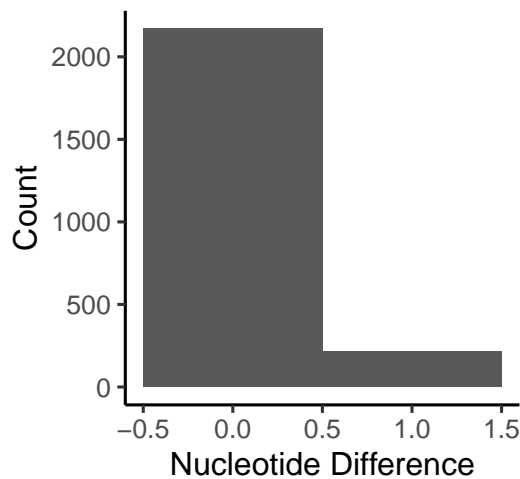
### TRBV6-9\*ap01

208 sequences assigned  
108 (51.9%) exact matches, in which:  
108 unique CDR3  
13 unique J



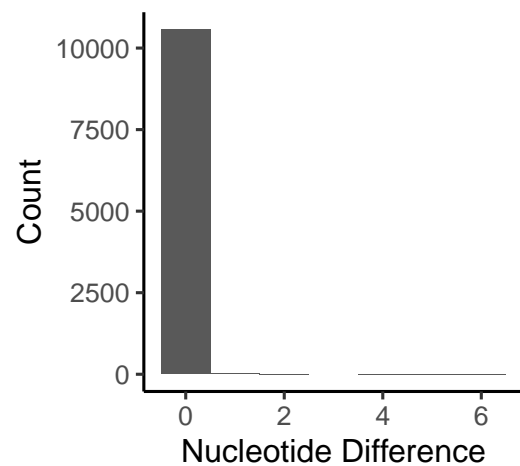
### TRBV6-56\*ap02

2386 sequences assigned  
2170 (90.9%) exact matches, in which:  
2169 unique CDR3  
13 unique J



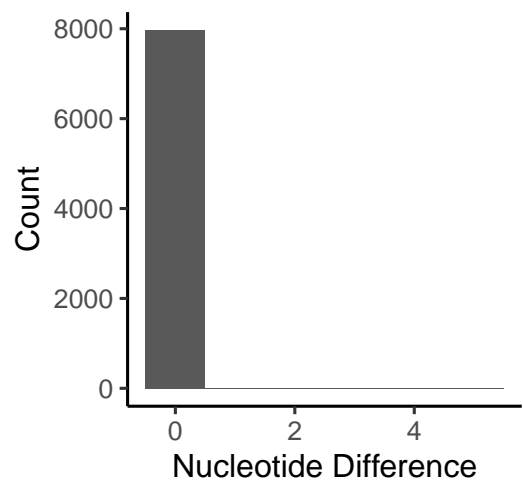
### TRBV7-2\*ap01

10596 sequences assigned  
10570 (99.8%) exact matches, in which:  
10569 unique CDR3  
13 unique J



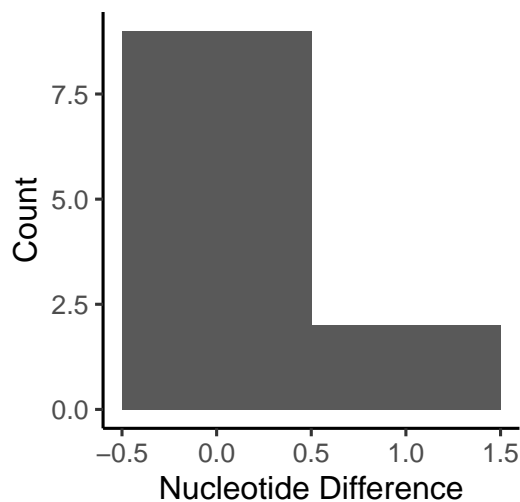
### TRBV6-23\*ap01

7992 sequences assigned  
7971 (99.7%) exact matches, in which:  
7960 unique CDR3  
13 unique J



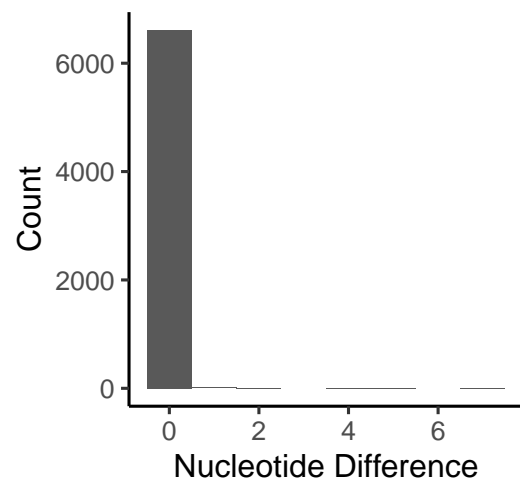
### TRBV7-1\*ap01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
7 unique J



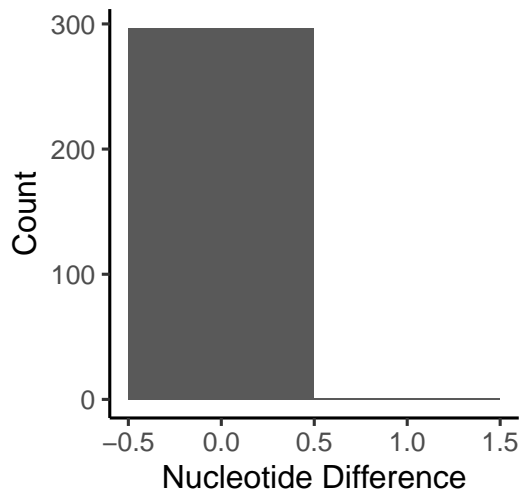
### TRBV7-3\*ap01

6634 sequences assigned  
6612 (99.7%) exact matches, in which:  
6595 unique CDR3  
13 unique J



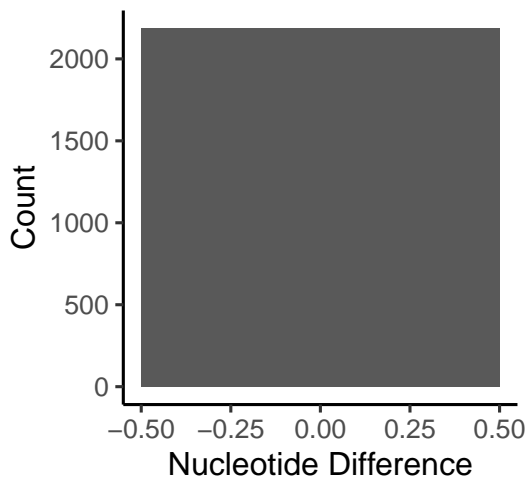
### TRBV7-4\*ap01

298 sequences assigned  
297 (99.7%) exact matches, in which:  
297 unique CDR3  
13 unique J



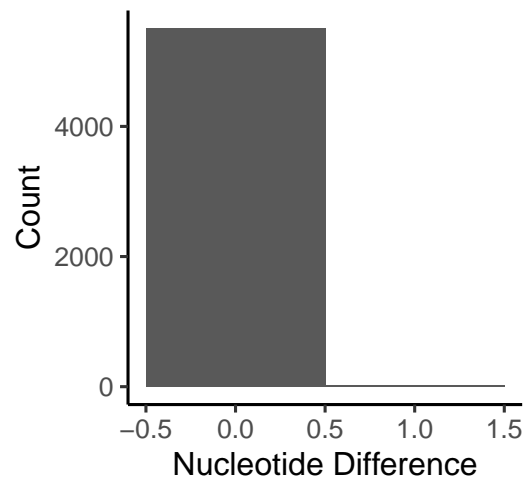
### TRBV7-8\*ap01

2186 sequences assigned  
2186 (100%) exact matches, in which:  
2186 unique CDR3  
13 unique J



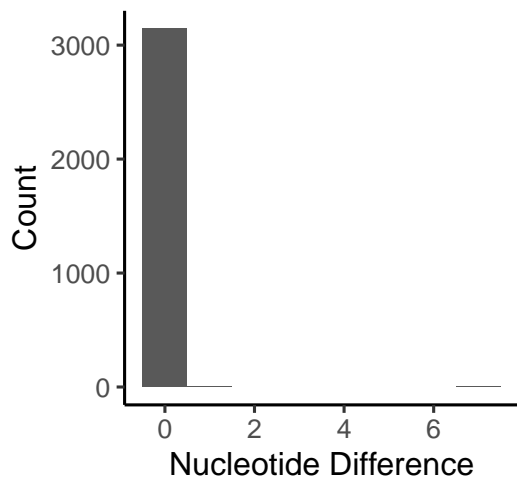
### TRBV29-1\*ap01

5524 sequences assigned  
5506 (99.7%) exact matches, in which:  
5490 unique CDR3  
13 unique J



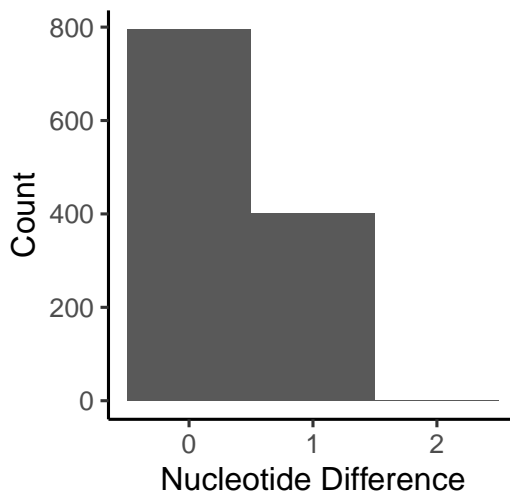
### TRBV7-6\*ap01

3149 sequences assigned  
3144 (99.8%) exact matches, in which:  
3142 unique CDR3  
13 unique J



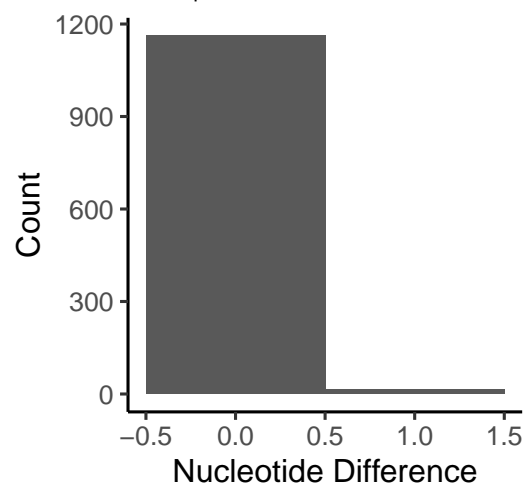
### TRBV7-8\*ap03

1199 sequences assigned  
796 (66.4%) exact matches, in which:  
796 unique CDR3  
13 unique J



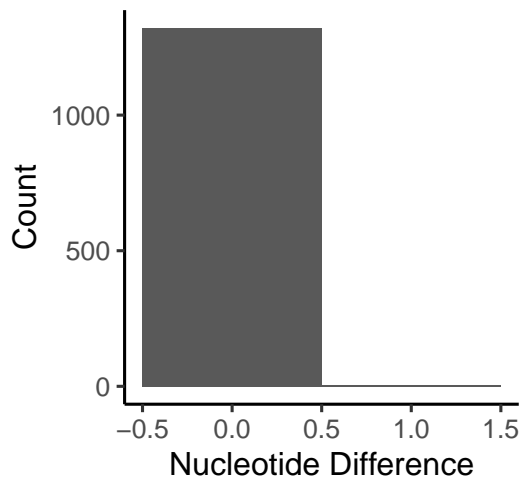
### TRBV29-1\*ap02

1176 sequences assigned  
1162 (98.8%) exact matches, in which:  
1158 unique CDR3  
14 unique J



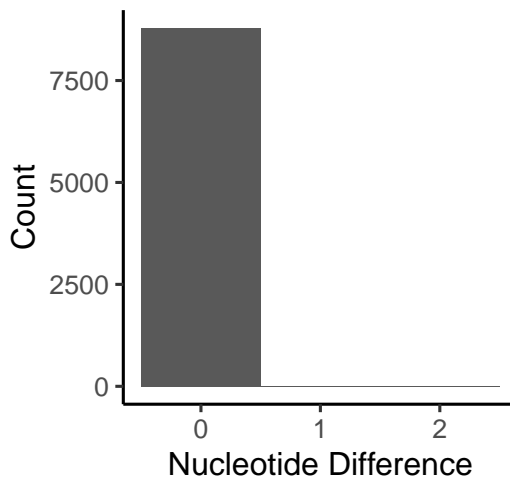
### TRBV7-7\*ap01

1327 sequences assigned  
1321 (99.5%) exact matches, in which:  
1321 unique CDR3  
13 unique J



### TRBV7-9\*ap01

8799 sequences assigned  
8787 (99.9%) exact matches, in which:  
8781 unique CDR3  
13 unique J



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

