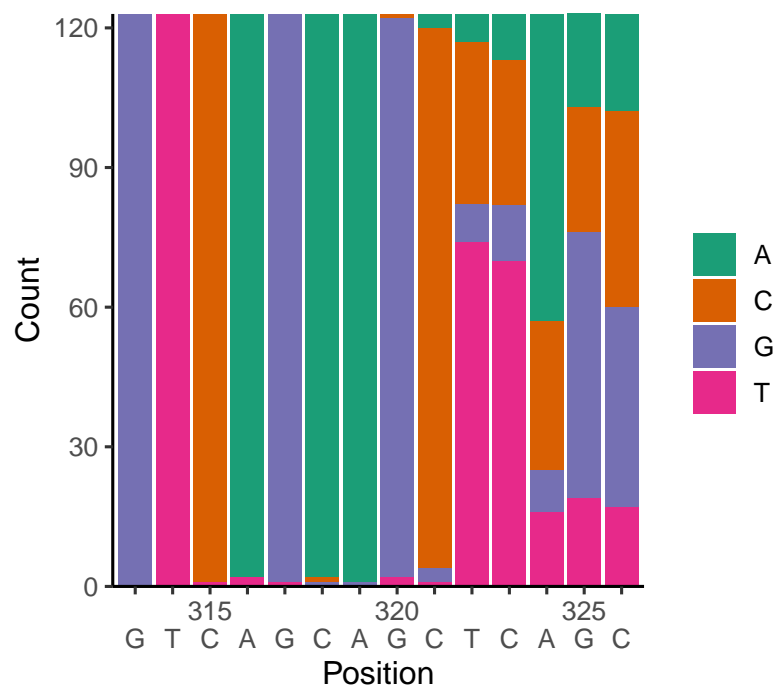
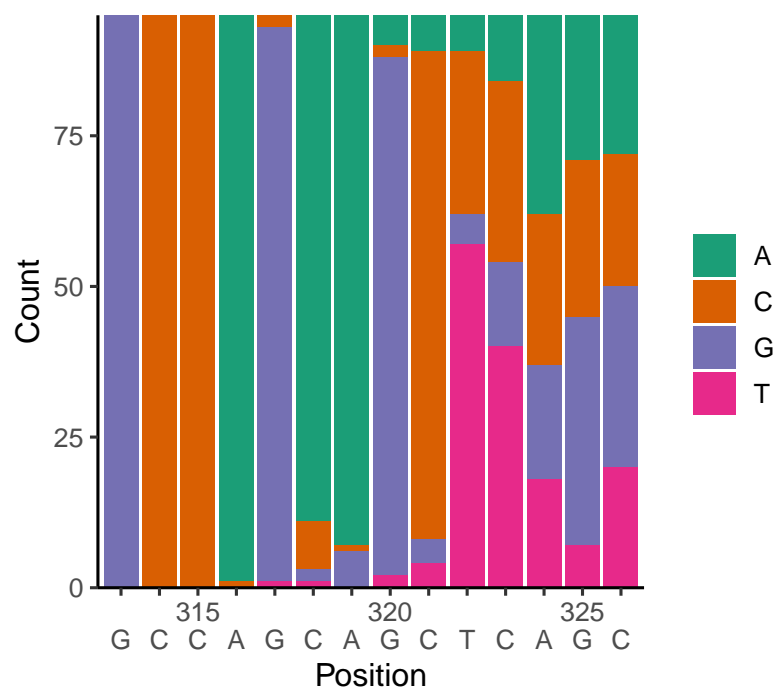


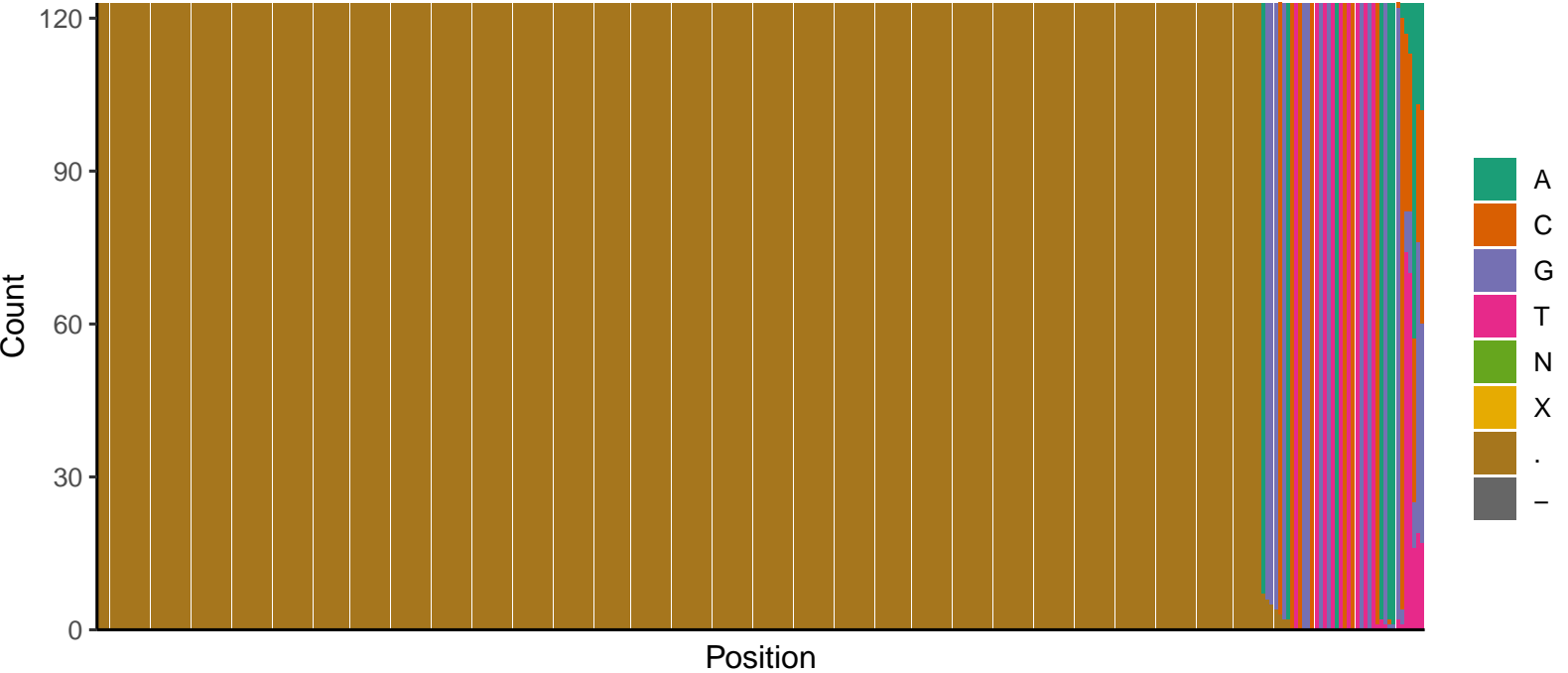
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



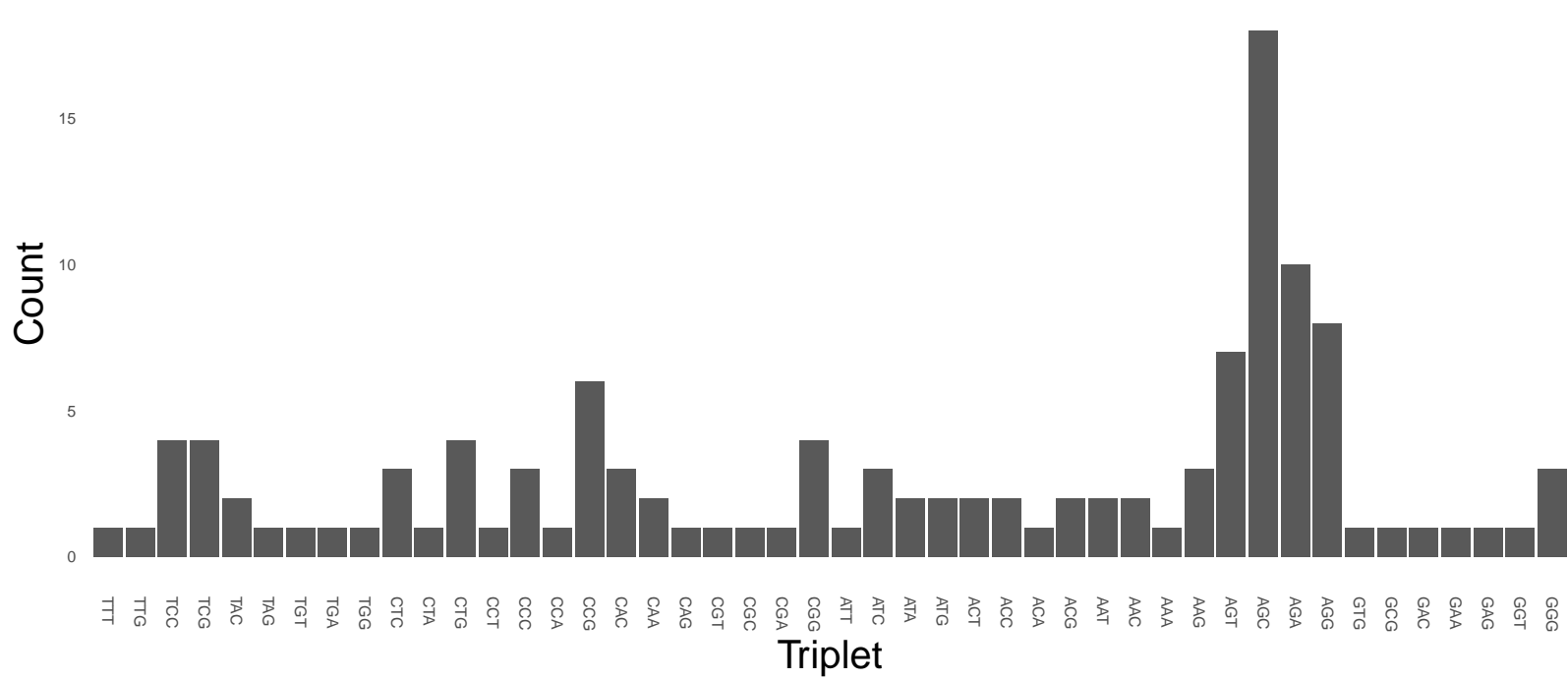
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



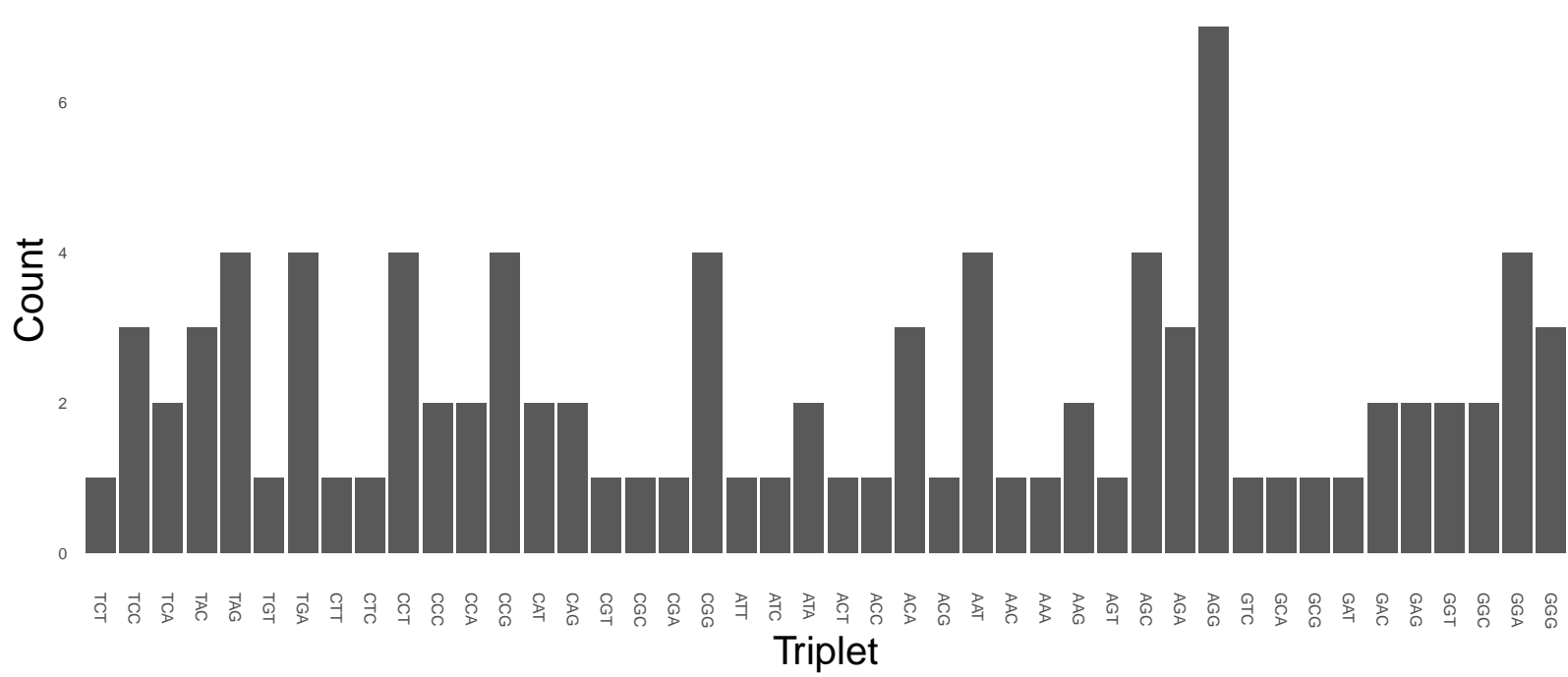
Gene TRBV7-1\*ap01\_G291C\_T296C



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

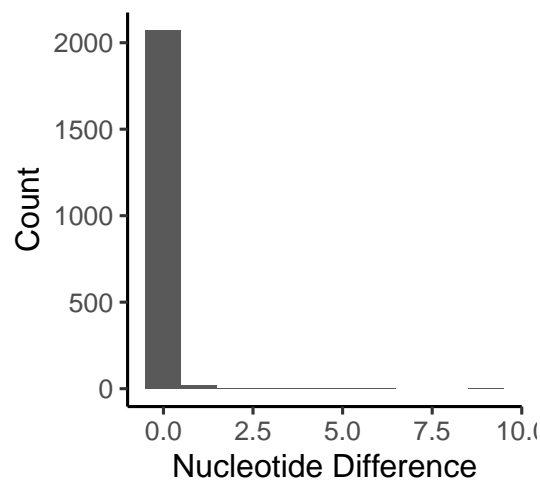


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



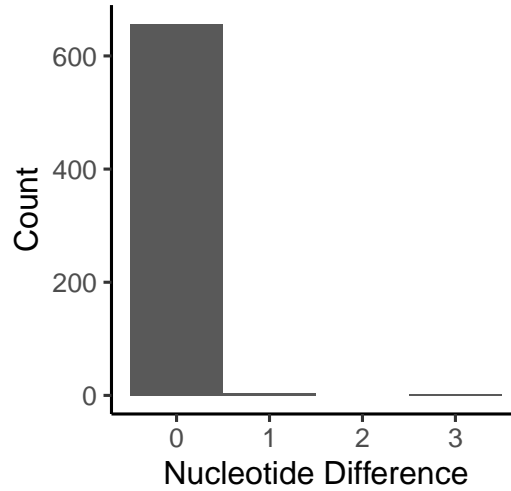
### TRBV10-1\*ap01

2097 sequences assigned  
2071 (98.8%) exact matches, in which:  
2029 unique CDR3  
14 unique J



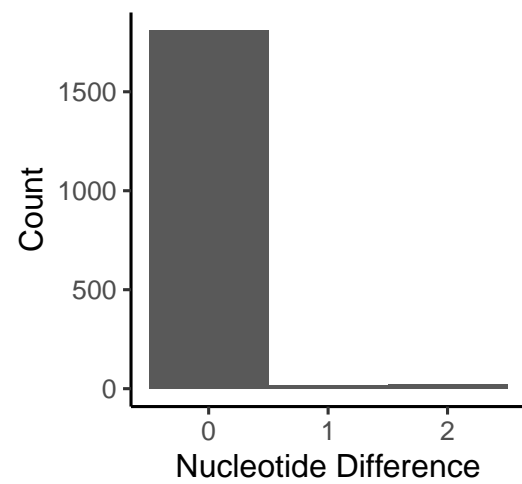
### TRBV10-2\*ap01

663 sequences assigned  
657 (99.1%) exact matches, in which:  
650 unique CDR3  
13 unique J



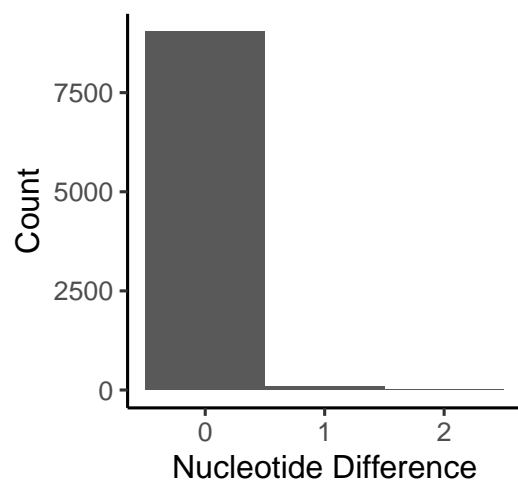
### TRBV13\*ap01

1850 sequences assigned  
1810 (97.8%) exact matches, in which:  
1770 unique CDR3  
13 unique J



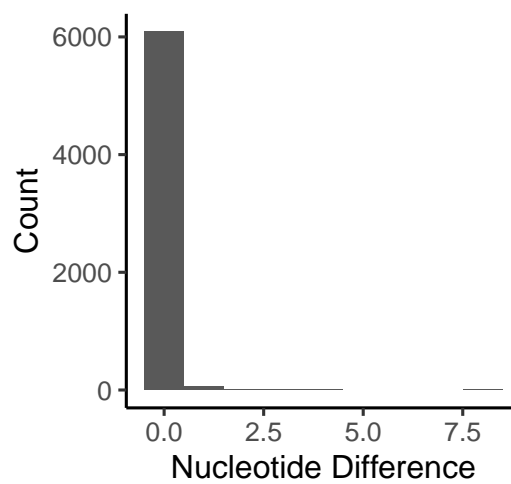
### TRBV20-1\*ap01

9120 sequences assigned  
9036 (99.1%) exact matches, in which:  
8953 unique CDR3  
13 unique J



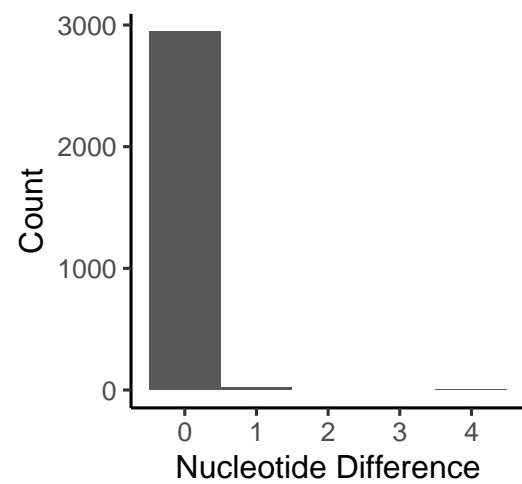
### TRBV10-3\*ap01

6157 sequences assigned  
6088 (98.9%) exact matches, in which:  
5997 unique CDR3  
13 unique J



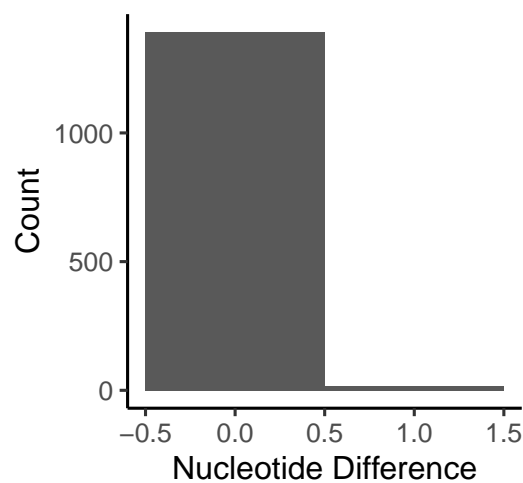
### TRBV14\*ap01

2968 sequences assigned  
2945 (99.2%) exact matches, in which:  
2905 unique CDR3  
13 unique J



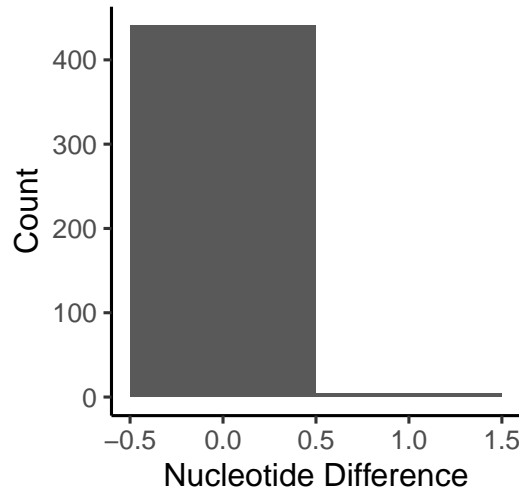
### TRBV20-1\*ap02

1409 sequences assigned  
1392 (98.8%) exact matches, in which:  
1376 unique CDR3  
13 unique J



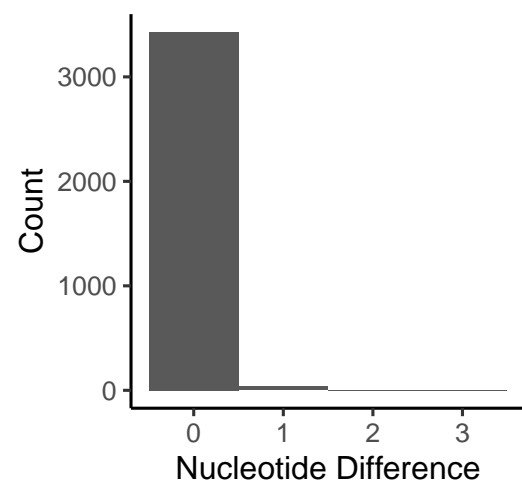
### TRBV1\*ap01

445 sequences assigned  
441 (99.1%) exact matches, in which:  
426 unique CDR3  
13 unique J



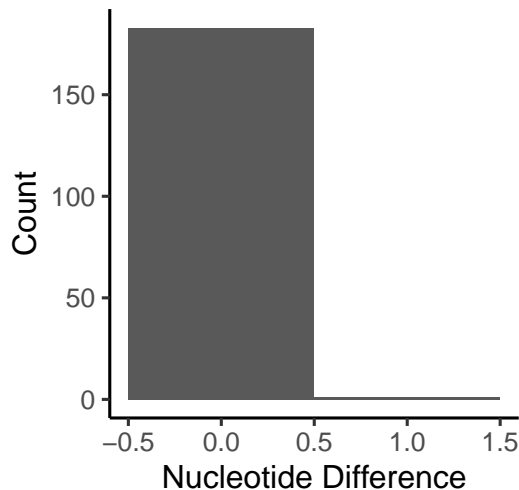
### TRBV15\*ap02

3467 sequences assigned  
3429 (98.9%) exact matches, in which:  
3366 unique CDR3  
13 unique J



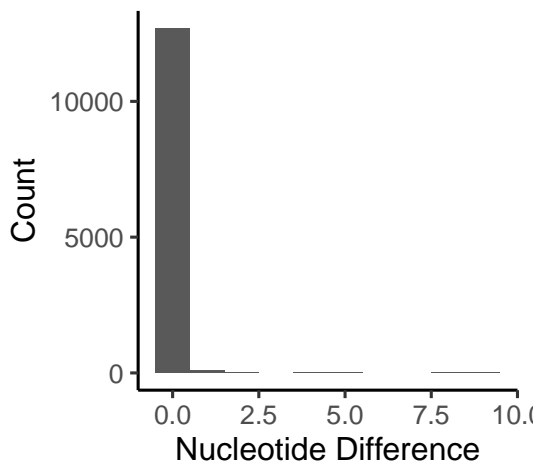
### TRBV16\*ap01

184 sequences assigned  
183 (99.5%) exact matches, in which:  
181 unique CDR3  
13 unique J



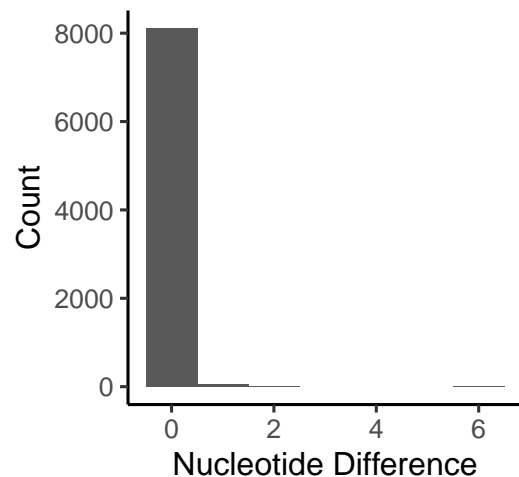
### TRBV19\*ap01

12804 sequences assigned  
12697 (99.2%) exact matches, in which:  
12613 unique CDR3  
13 unique J



### TRBV28\*ap01

8165 sequences assigned  
8108 (99.3%) exact matches, in which:  
8041 unique CDR3  
13 unique J



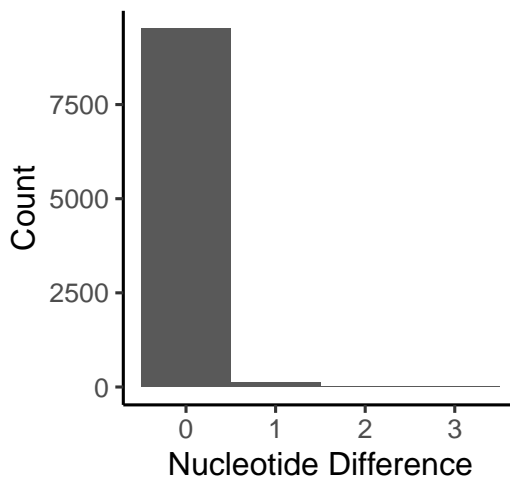
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



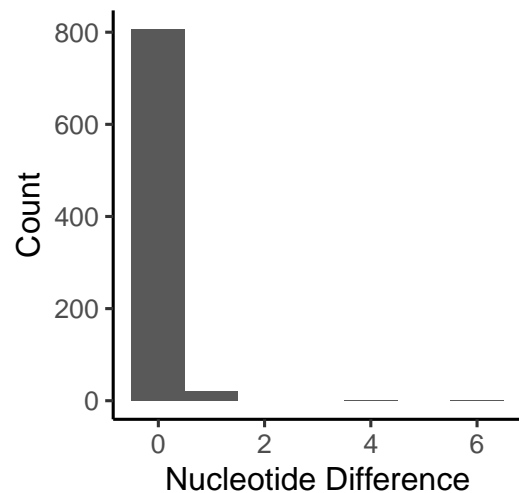
### TRBV2\*ap01

9630 sequences assigned  
9514 (98.8%) exact matches, in which:  
9340 unique CDR3  
13 unique J



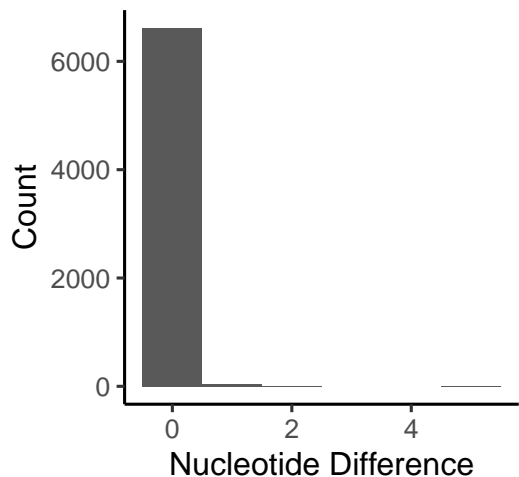
### TRBV30\*ap02

830 sequences assigned  
807 (97.2%) exact matches, in which:  
789 unique CDR3  
13 unique J



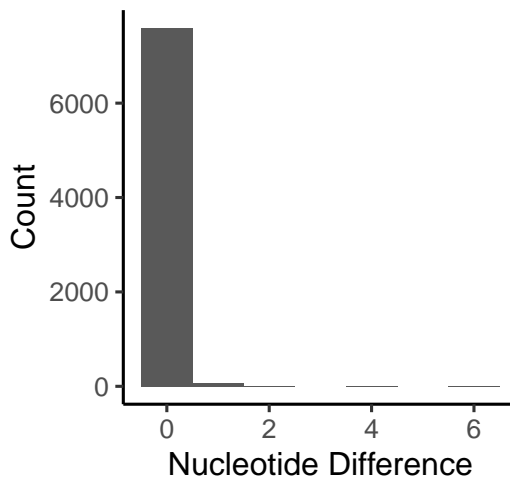
### TRBV18\*ap01

6662 sequences assigned  
6615 (99.3%) exact matches, in which:  
6571 unique CDR3  
13 unique J



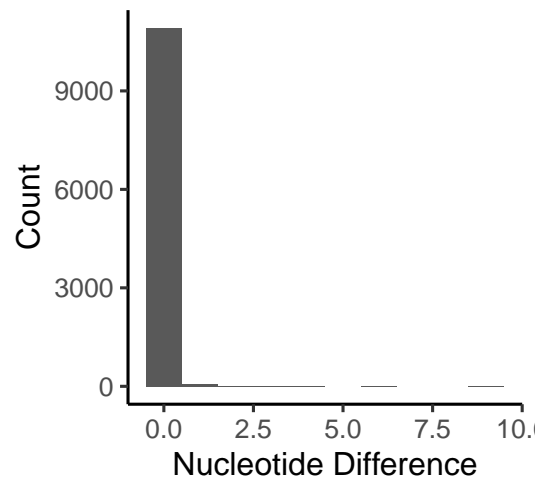
### TRBV27\*ap01

7668 sequences assigned  
7591 (99%) exact matches, in which:  
7523 unique CDR3  
13 unique J



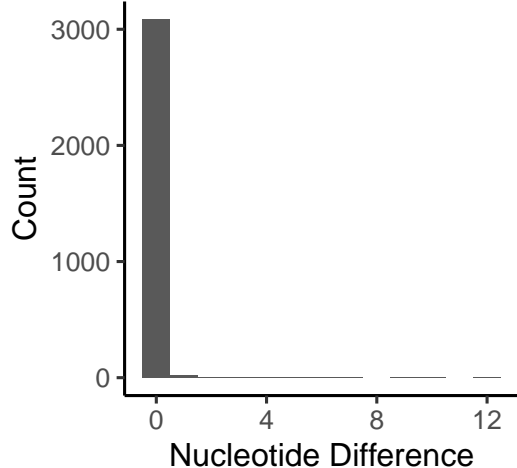
### TRBV9\*ap01

10992 sequences assigned  
10915 (99.3%) exact matches, in which:  
10812 unique CDR3  
13 unique J



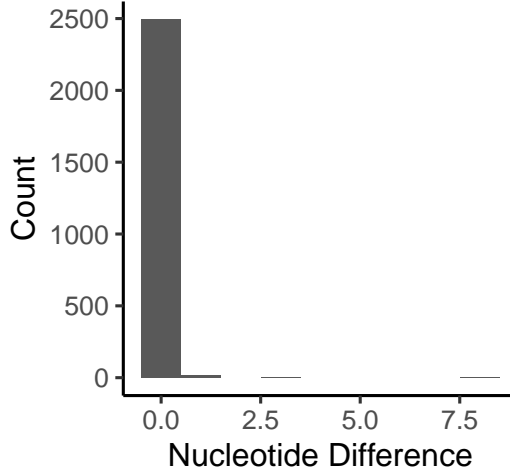
### TRBV21-1\*ap01

3130 sequences assigned  
3085 (98.6%) exact matches, in which:  
3070 unique CDR3  
13 unique J



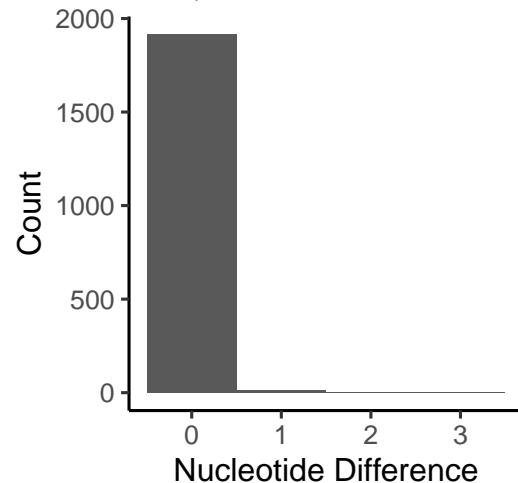
### TRBV11-3\*ap01

2516 sequences assigned  
2494 (99.1%) exact matches, in which:  
2463 unique CDR3  
13 unique J



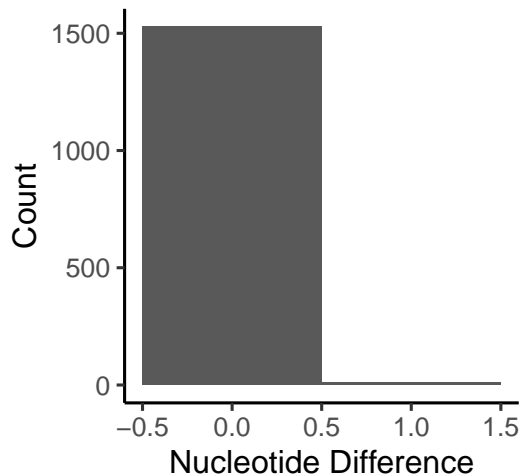
### TRBV12-5\*ap01

1931 sequences assigned  
1915 (99.2%) exact matches, in which:  
1892 unique CDR3  
13 unique J



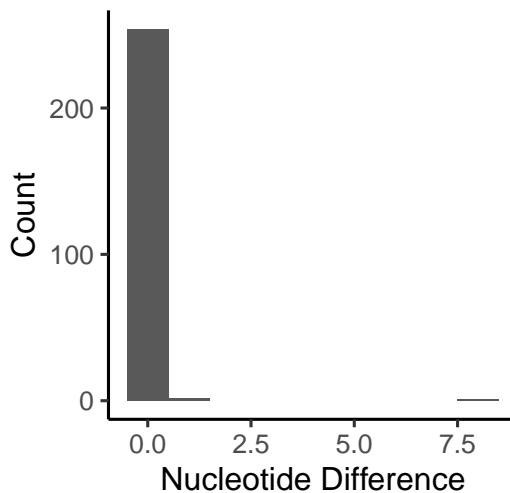
### TRBV11-1\*ap01

1540 sequences assigned  
1528 (99.2%) exact matches, in which:  
1512 unique CDR3  
13 unique J



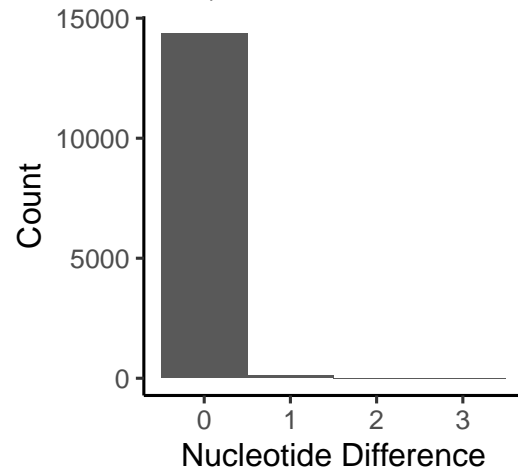
### TRBV12-1\*ap01

257 sequences assigned  
254 (98.8%) exact matches, in which:  
250 unique CDR3  
13 unique J



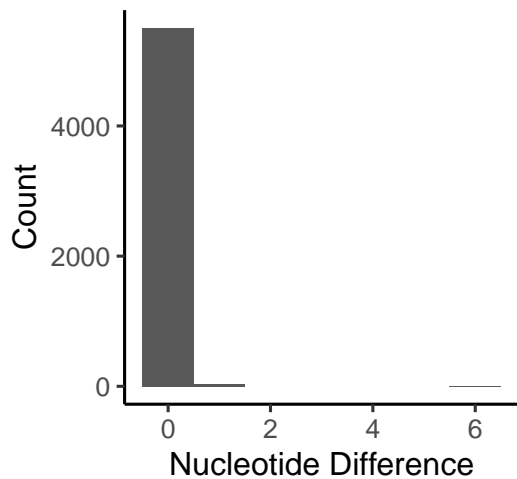
### TRBV12-34\*ap01

14486 sequences assigned  
14364 (99.2%) exact matches, in which:  
14185 unique CDR3  
13 unique J



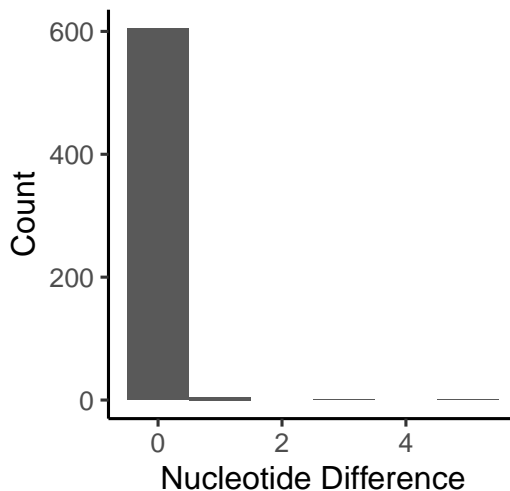
### TRBV11-2\*ap01

5537 sequences assigned  
5504 (99.4%) exact matches, in which:  
5440 unique CDR3  
13 unique J



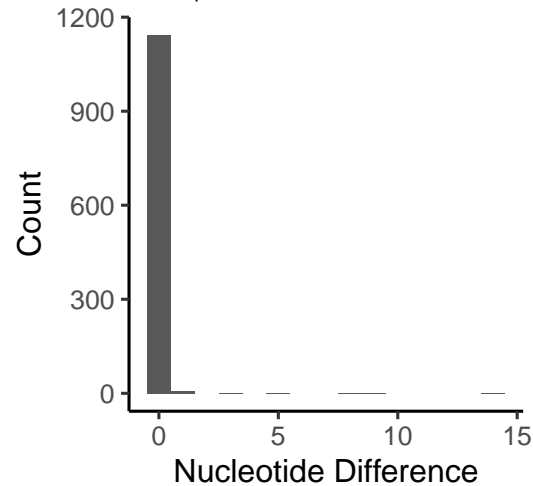
### TRBV12-2\*ap01

612 sequences assigned  
605 (98.9%) exact matches, in which:  
600 unique CDR3  
13 unique J



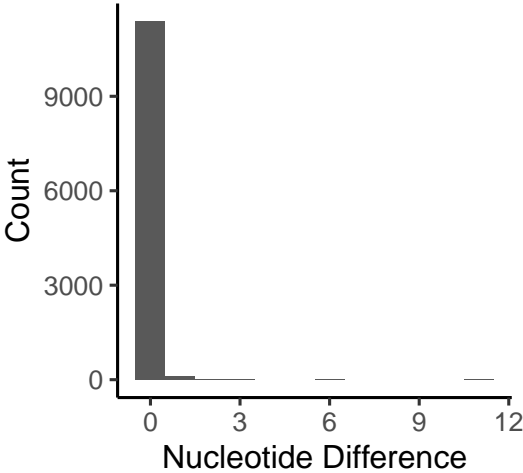
### TRBV23-1\*ap01

1156 sequences assigned  
1143 (98.9%) exact matches, in which:  
1139 unique CDR3  
13 unique J



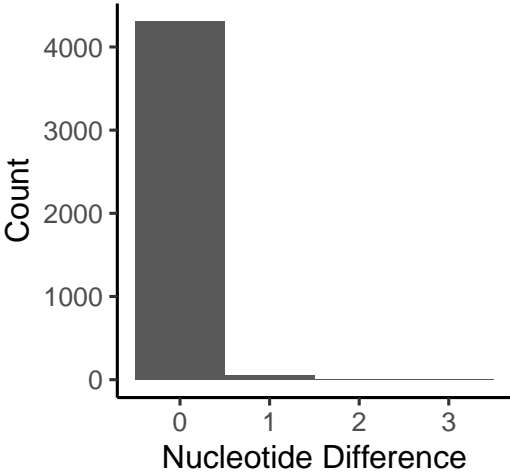
TRBV3-12\*ap01

11501 sequences assigned  
11378 (98.9%) exact matches, in which:  
11210 unique CDR3  
13 unique J



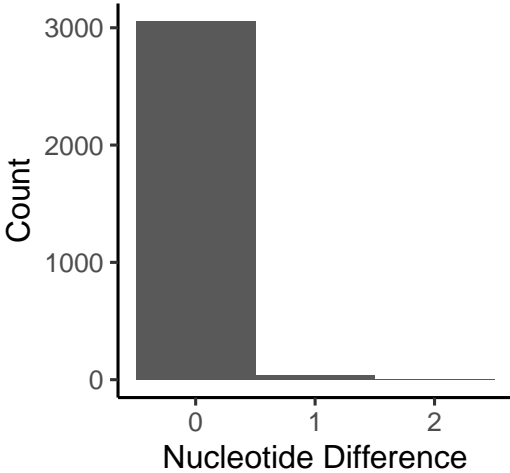
TRBV4-2\*ap01

4364 sequences assigned  
4307 (98.7%) exact matches, in which:  
4237 unique CDR3  
13 unique J



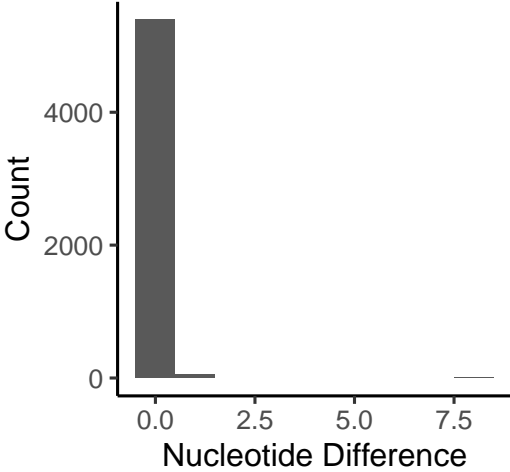
TRBV25-1\*ap01

3093 sequences assigned  
3054 (98.7%) exact matches, in which:  
3000 unique CDR3  
13 unique J



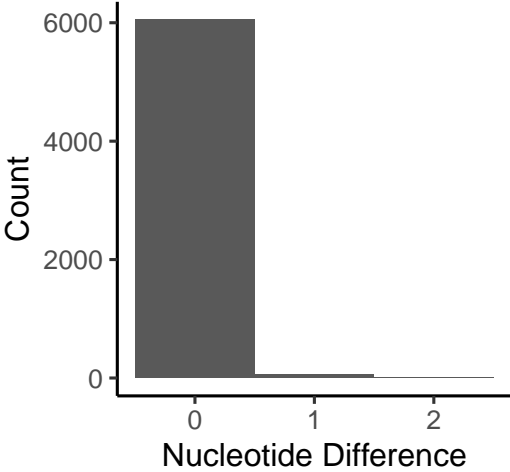
TRBV4-1\*ap01

5442 sequences assigned  
5393 (99.1%) exact matches, in which:  
5288 unique CDR3  
13 unique J



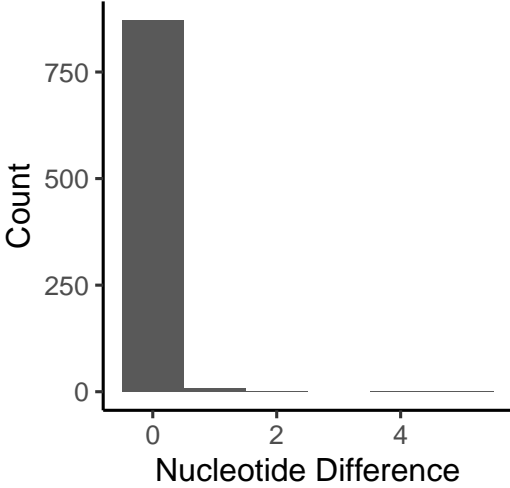
TRBV4-3\*ap01

6120 sequences assigned  
6051 (98.9%) exact matches, in which:  
5946 unique CDR3  
13 unique J



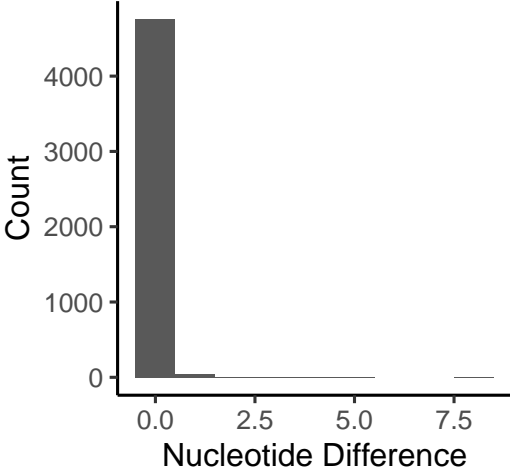
TRBV5-3\*ap01

884 sequences assigned  
872 (98.6%) exact matches, in which:  
864 unique CDR3  
13 unique J



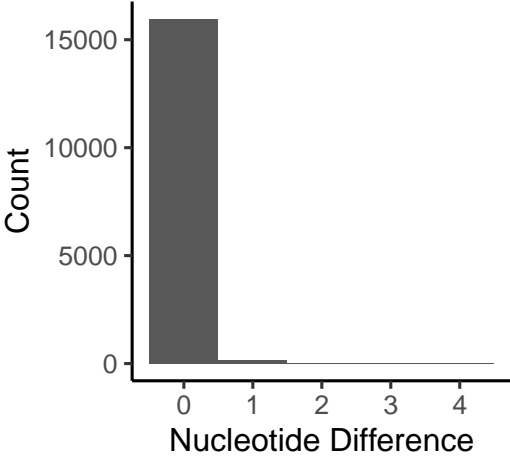
TRBV24-1\*ap01

4815 sequences assigned  
4758 (98.8%) exact matches, in which:  
4704 unique CDR3  
13 unique J



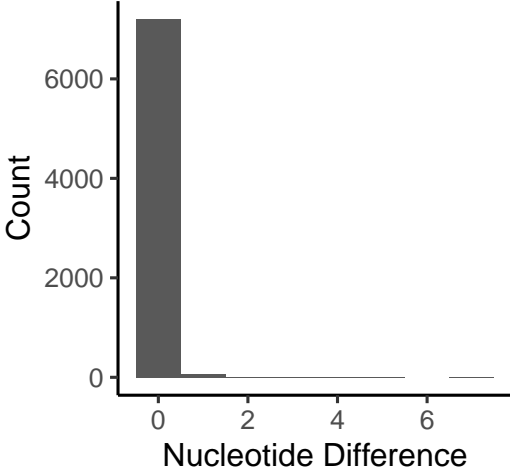
TRBV5-1\*ap01

16159 sequences assigned  
15969 (98.8%) exact matches, in which:  
15604 unique CDR3  
13 unique J



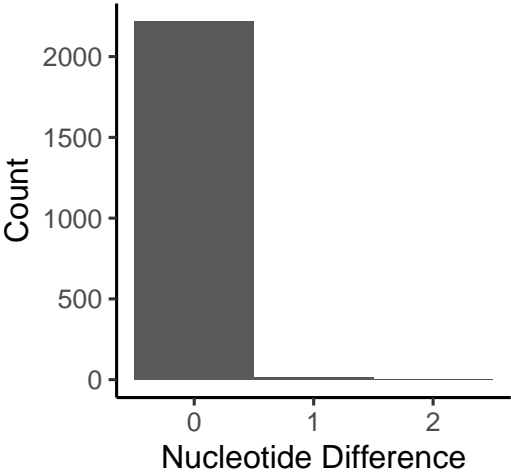
TRBV5-4\*ap01

7279 sequences assigned  
7203 (99%) exact matches, in which:  
7095 unique CDR3  
13 unique J



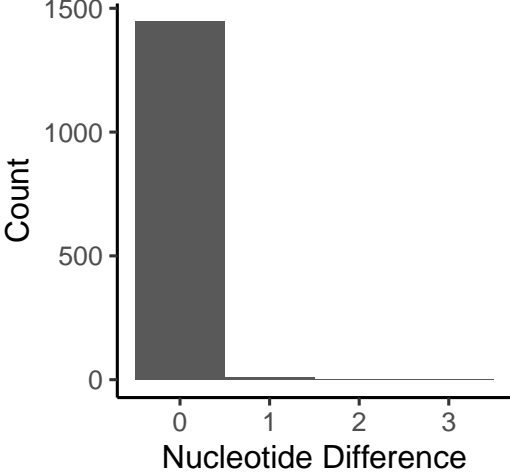
TRBV5-5\*ap01

2236 sequences assigned  
2218 (99.2%) exact matches, in which:  
2198 unique CDR3  
13 unique J



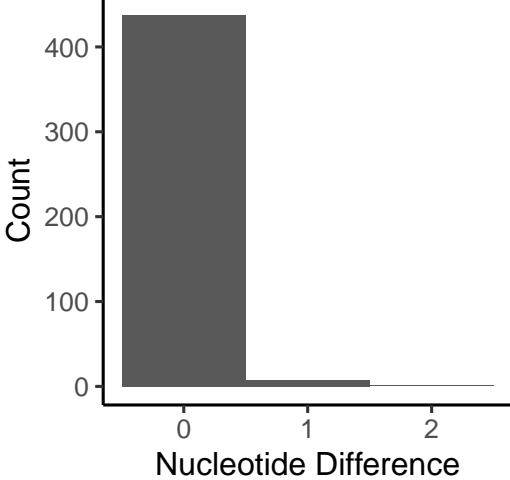
TRBV5-8\*ap01

1459 sequences assigned  
1447 (99.2%) exact matches, in which:  
1426 unique CDR3  
13 unique J



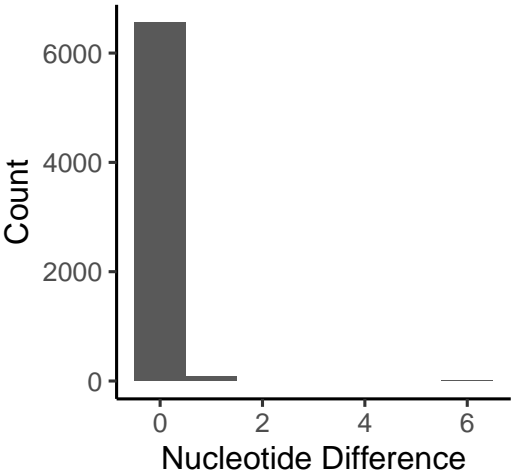
TRBV6-7\*ap01

447 sequences assigned  
438 (98%) exact matches, in which:  
430 unique CDR3  
13 unique J



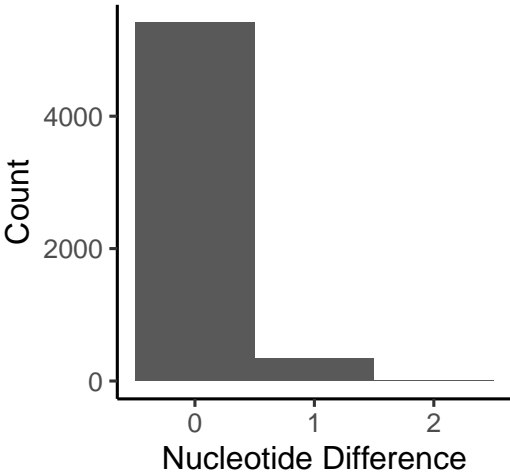
TRBV5-6\*ap01

6630 sequences assigned  
6555 (98.9%) exact matches, in which:  
6395 unique CDR3  
13 unique J



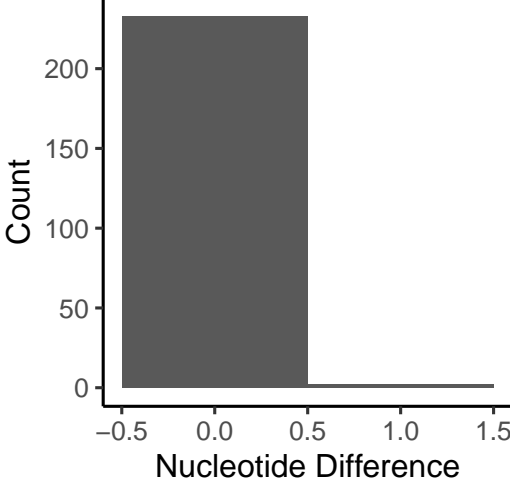
TRBV6-1\*ap01

5757 sequences assigned  
5412 (94%) exact matches, in which:  
5286 unique CDR3  
13 unique J



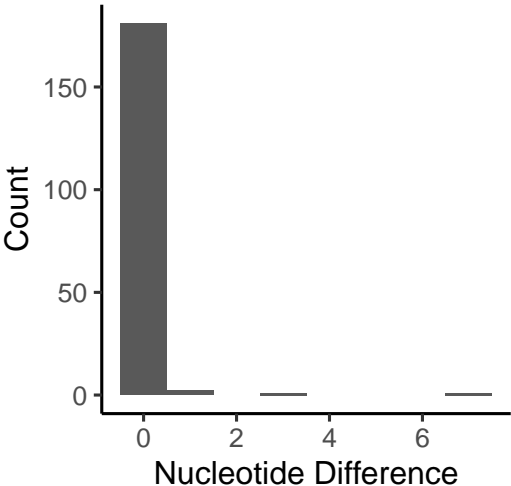
TRBV6-8\*ap01

235 sequences assigned  
233 (99.1%) exact matches, in which:  
228 unique CDR3  
13 unique J



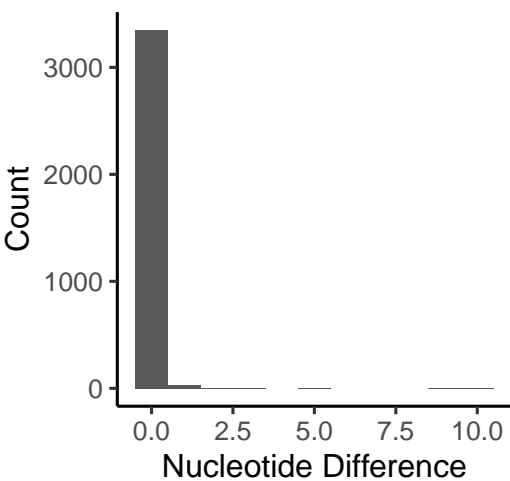
TRBV5-7\*ap01

185 sequences assigned  
181 (97.8%) exact matches, in which:  
179 unique CDR3  
13 unique J



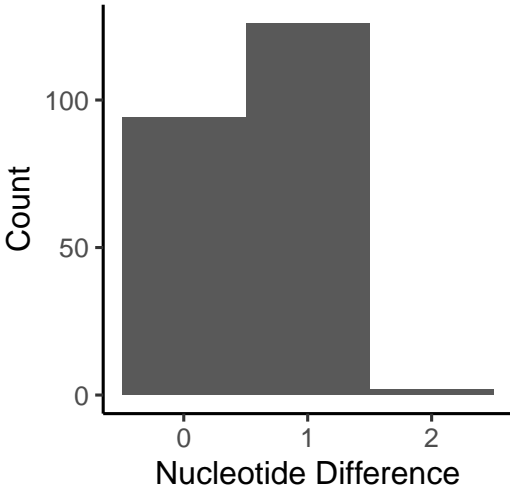
TRBV6-4\*ap01

3389 sequences assigned  
3349 (98.8%) exact matches, in which:  
3310 unique CDR3  
13 unique J



TRBV6-9\*ap01

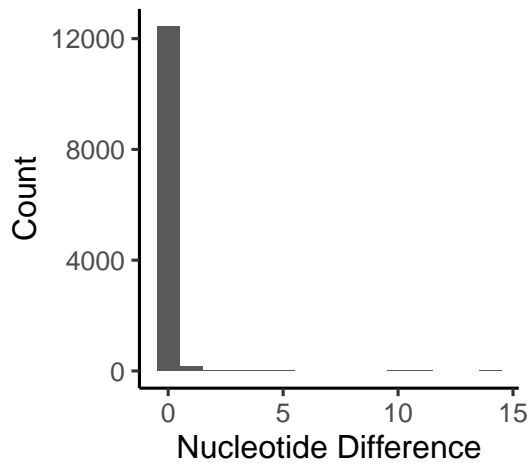
222 sequences assigned  
94 (42.3%) exact matches, in which:  
93 unique CDR3  
13 unique J





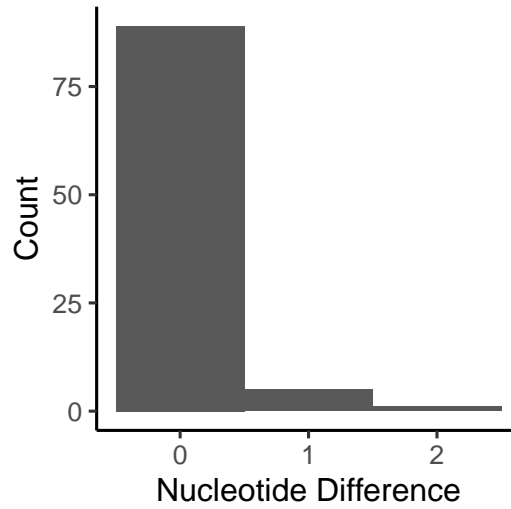
### TRBV6-23\*ap01

12633 sequences assigned  
12451 (98.6%) exact matches, in which:  
12022 unique CDR3  
13 unique J



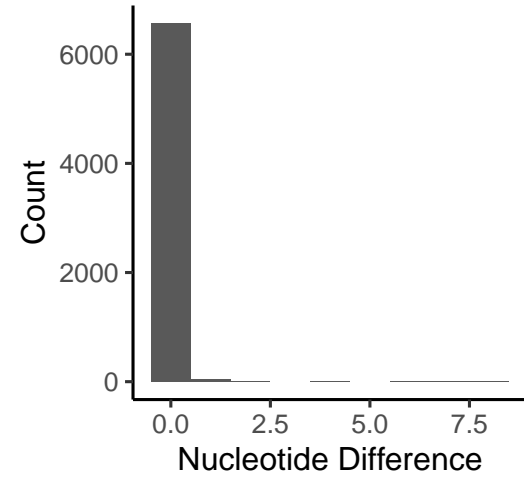
### TRBV7-1\*ap01\_G291C\_T

95 sequences assigned  
89 (93.7%) exact matches, in which:  
89 unique CDR3  
13 unique J



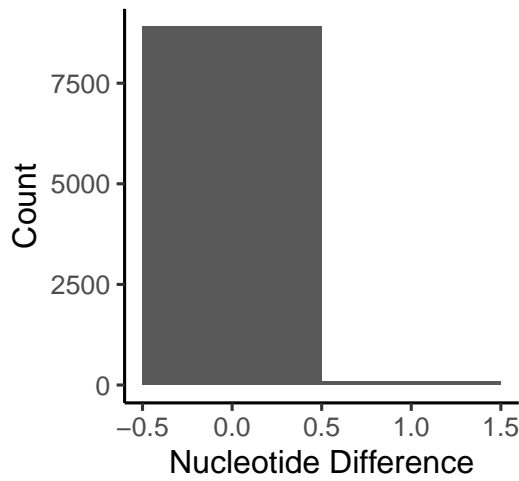
### TRBV7-3\*ap01

6616 sequences assigned  
6565 (99.2%) exact matches, in which:  
6486 unique CDR3  
13 unique J



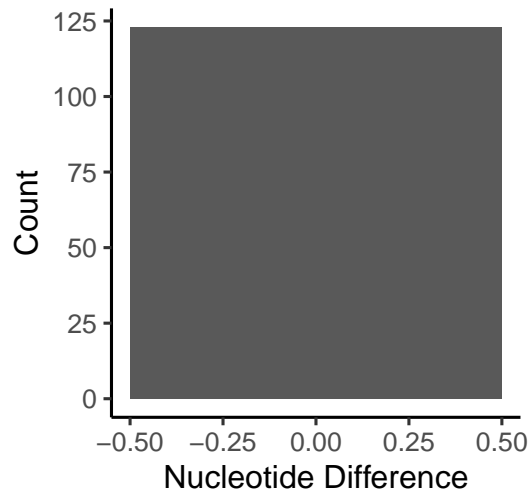
### TRBV6-56\*ap01

9003 sequences assigned  
8904 (98.9%) exact matches, in which:  
8659 unique CDR3  
13 unique J



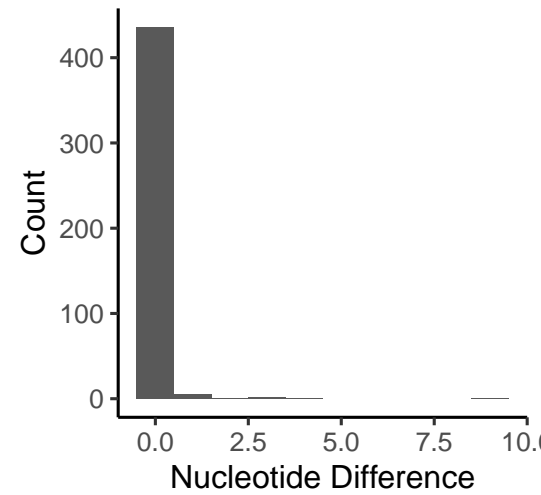
### TRBV7-1\*ap01\_G291C\_

123 sequences assigned  
123 (100%) exact matches, in which:  
119 unique CDR3  
13 unique J



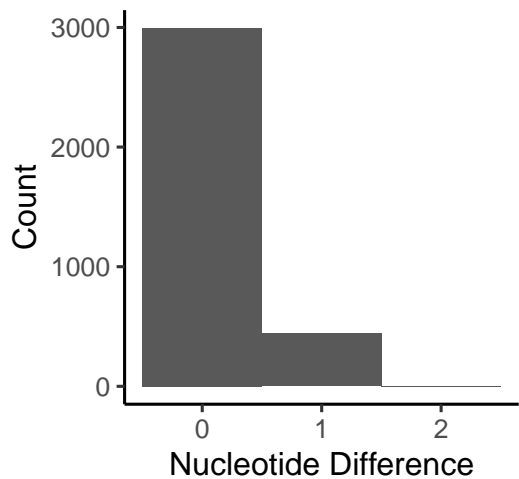
### TRBV7-4\*ap01

446 sequences assigned  
436 (97.8%) exact matches, in which:  
432 unique CDR3  
13 unique J



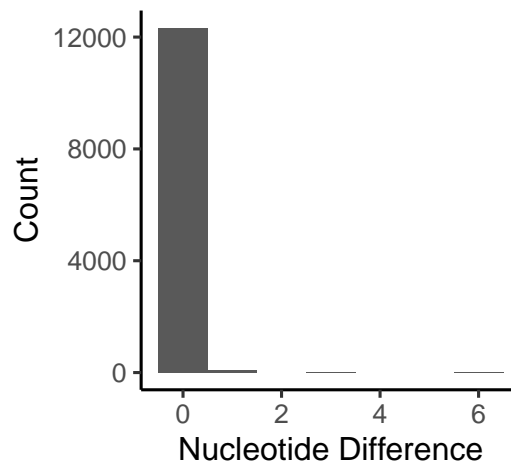
### TRBV6-56\*ap02

3440 sequences assigned  
2995 (87.1%) exact matches, in which:  
2914 unique CDR3  
13 unique J



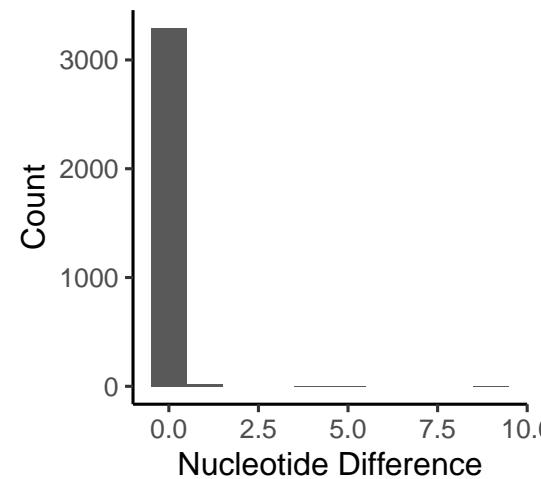
### TRBV7-2\*ap01

12412 sequences assigned  
12332 (99.4%) exact matches, in which:  
12214 unique CDR3  
13 unique J



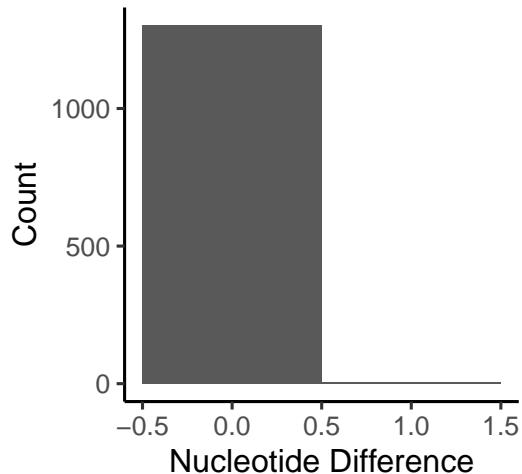
### TRBV7-6\*ap01

3317 sequences assigned  
3293 (99.3%) exact matches, in which:  
3252 unique CDR3  
13 unique J



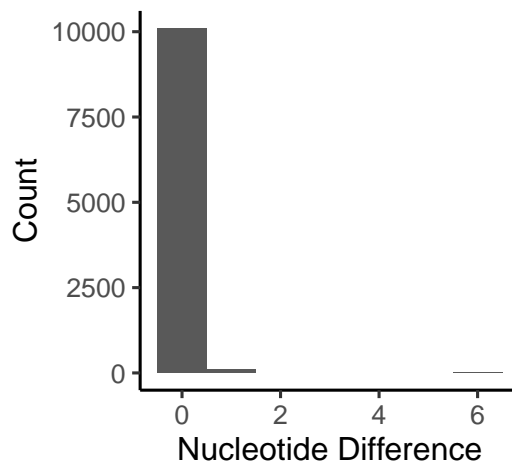
### TRBV7-7\*ap01

1309 sequences assigned  
1302 (99.5%) exact matches, in which:  
1284 unique CDR3  
13 unique J



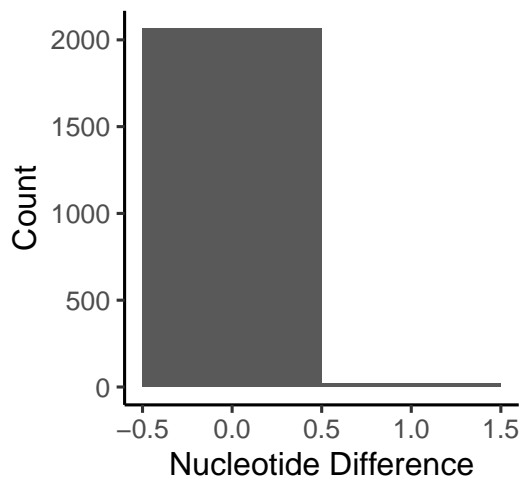
### TRBV7-9\*ap01

10198 sequences assigned  
10104 (99.1%) exact matches, in which:  
9968 unique CDR3  
13 unique J



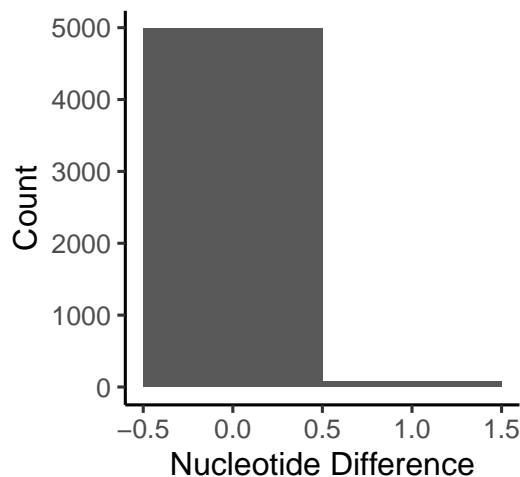
### TRBV7-8\*ap01

2085 sequences assigned  
2064 (99%) exact matches, in which:  
2036 unique CDR3  
13 unique J



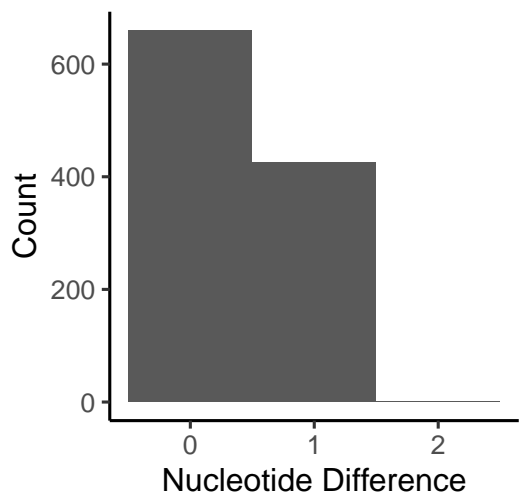
### TRBV29-1\*ap01

5063 sequences assigned  
4985 (98.5%) exact matches, in which:  
4867 unique CDR3  
13 unique J



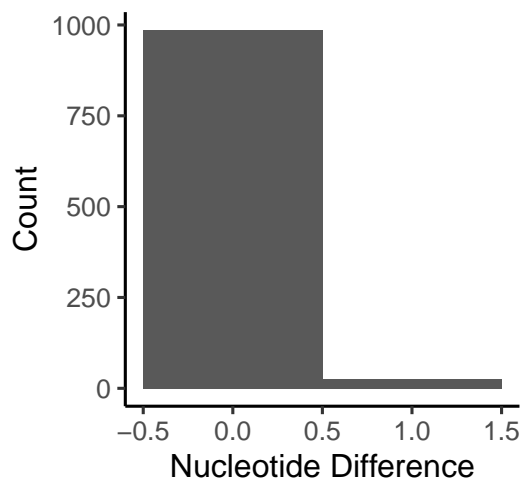
### TRBV7-8\*ap03

1086 sequences assigned  
660 (60.8%) exact matches, in which:  
649 unique CDR3  
13 unique J

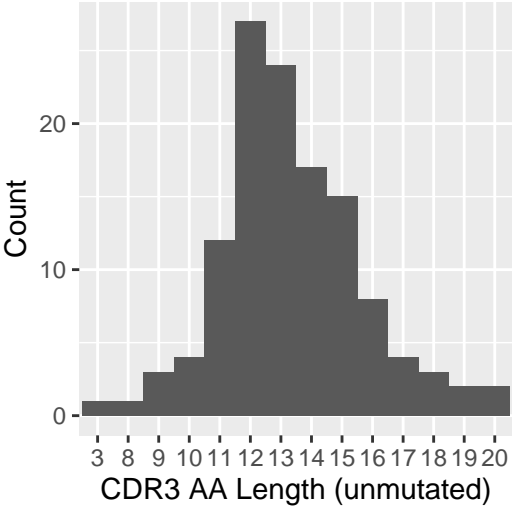


### TRBV29-1\*ap02

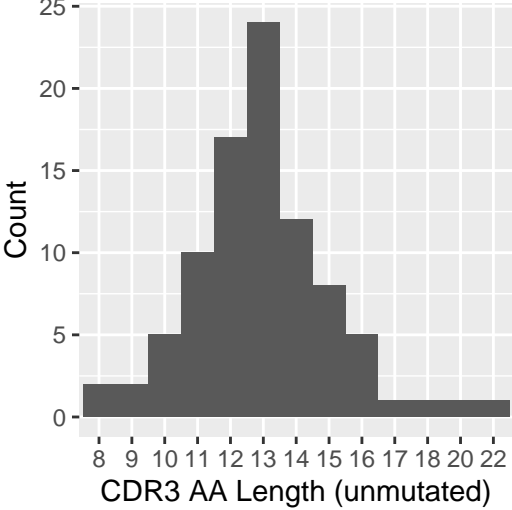
1011 sequences assigned  
986 (97.5%) exact matches, in which:  
966 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]