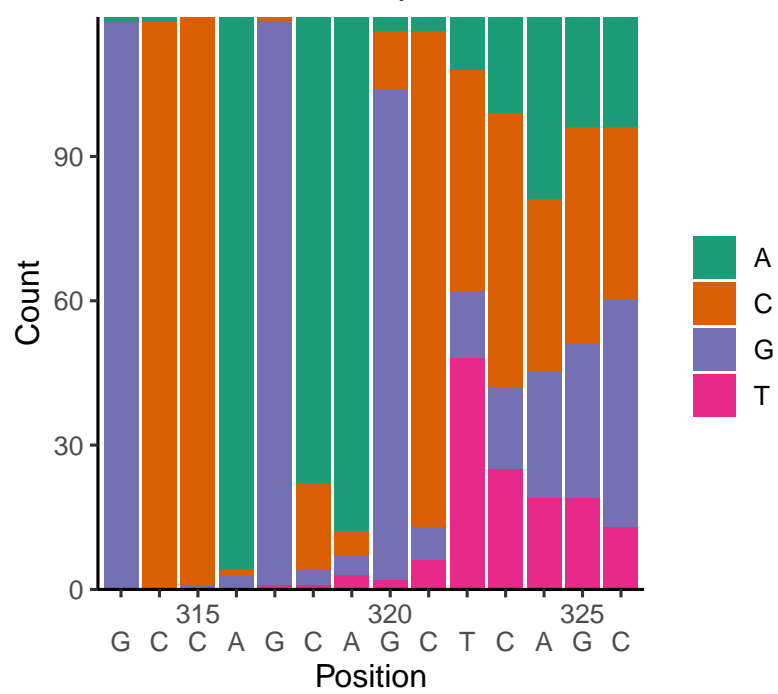
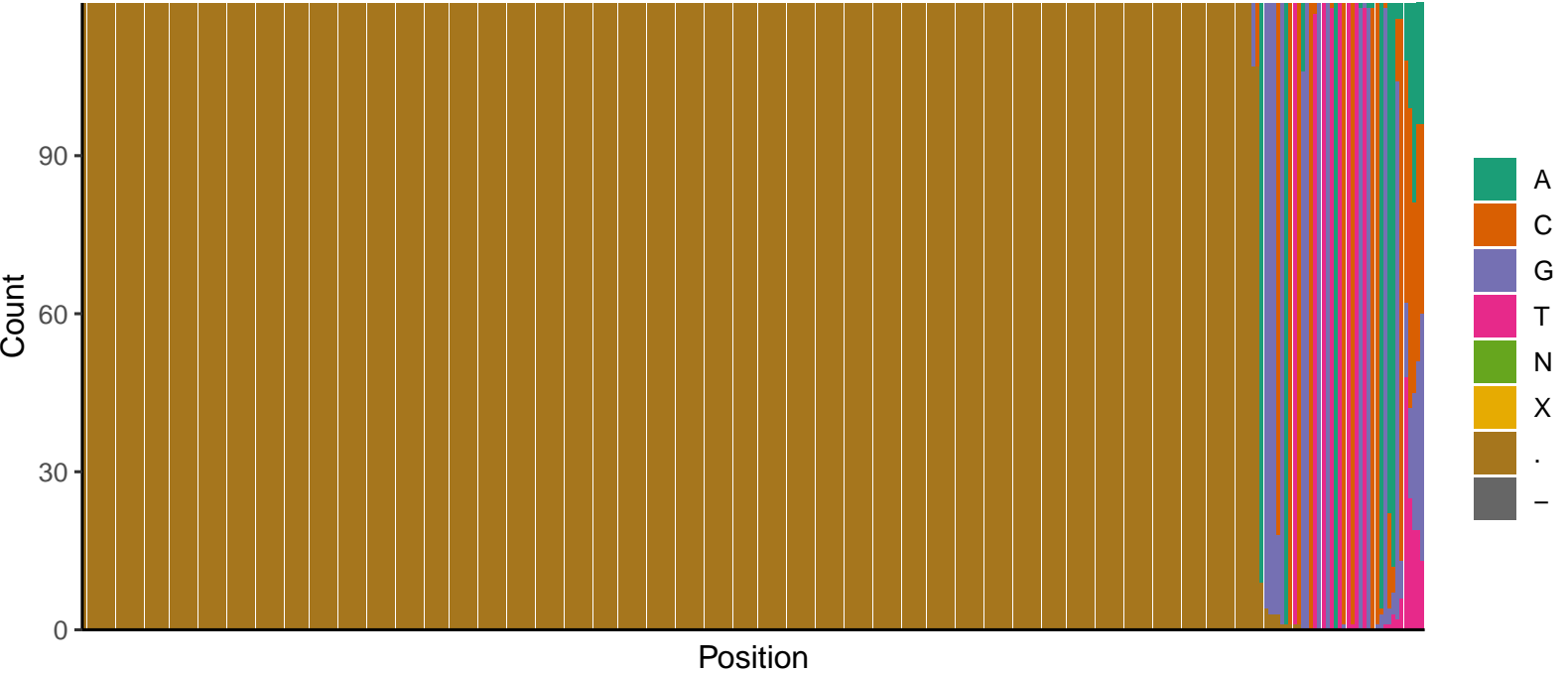


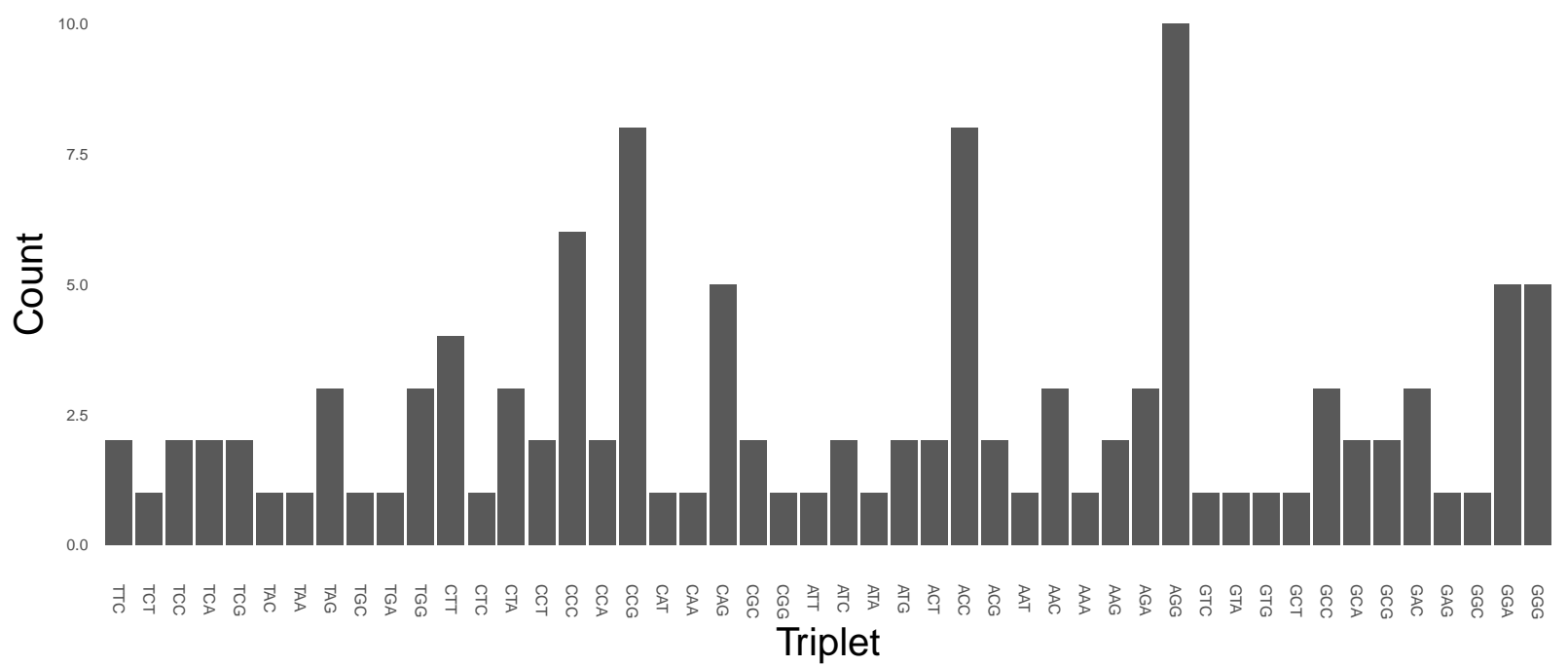
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C

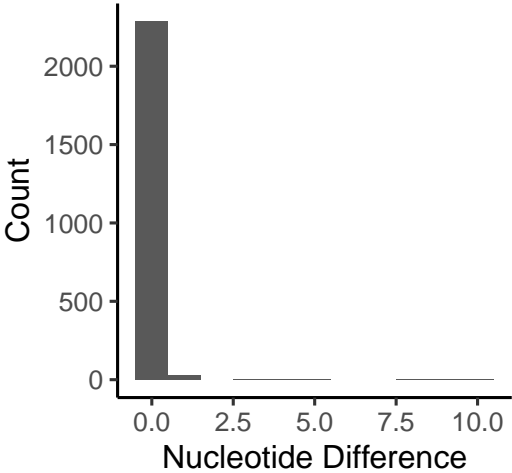


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



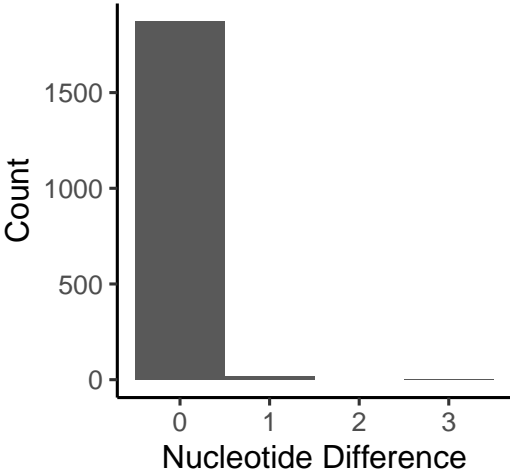
TRBV10-1\*ap01

2323 sequences assigned  
2286 (98.4%) exact matches, in which:  
2245 unique CDR3  
13 unique J



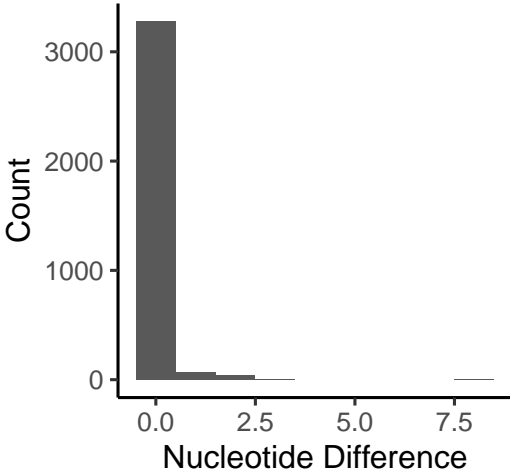
TRBV10-2\*ap01

1890 sequences assigned  
1872 (99%) exact matches, in which:  
1842 unique CDR3  
13 unique J



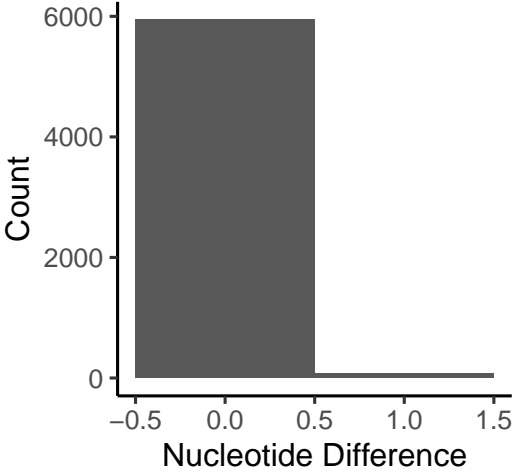
TRBV13\*ap01

3391 sequences assigned  
3278 (96.7%) exact matches, in which:  
3202 unique CDR3  
13 unique J



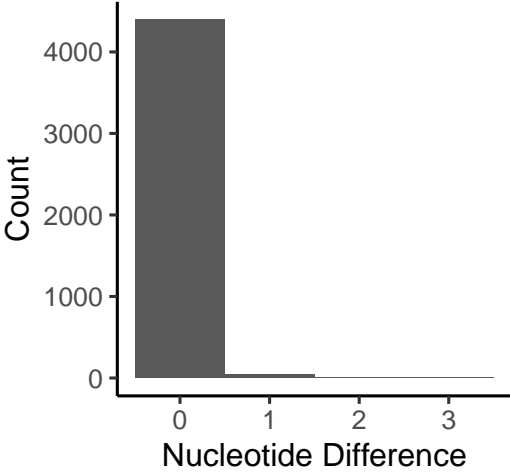
TRBV20-1\*ap01

6012 sequences assigned  
5944 (98.9%) exact matches, in which:  
5866 unique CDR3  
14 unique J



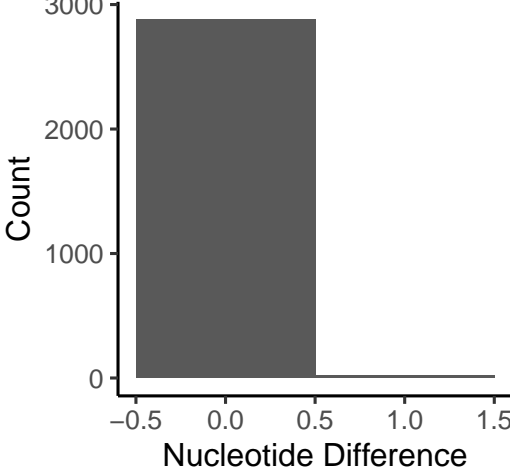
TRBV10-3\*ap01

4438 sequences assigned  
4395 (99%) exact matches, in which:  
4332 unique CDR3  
13 unique J



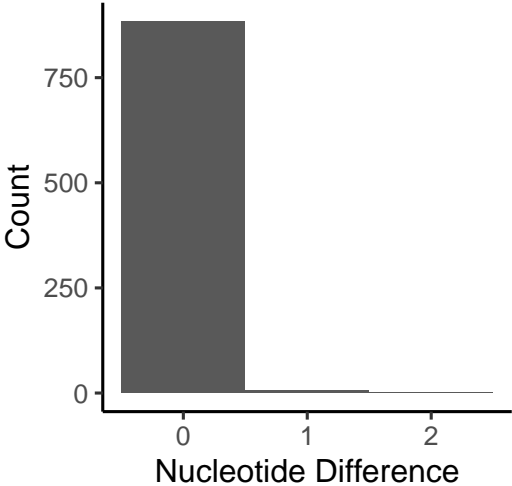
TRBV14\*ap01

2900 sequences assigned  
2878 (99.2%) exact matches, in which:  
2837 unique CDR3  
13 unique J



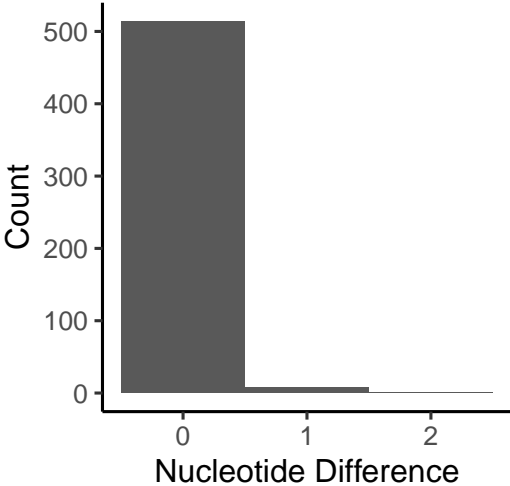
TRBV20-1\*ap02

892 sequences assigned  
884 (99.1%) exact matches, in which:  
867 unique CDR3  
13 unique J



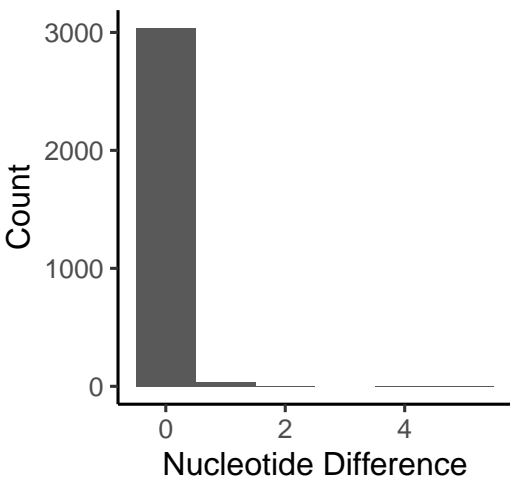
TRBV1\*ap01

523 sequences assigned  
514 (98.3%) exact matches, in which:  
506 unique CDR3  
13 unique J



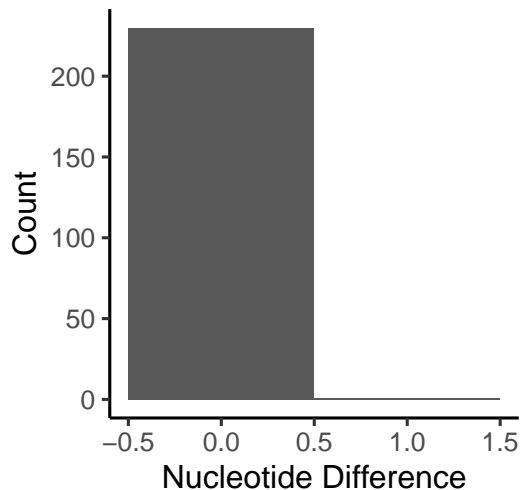
TRBV15\*ap02

3083 sequences assigned  
3037 (98.5%) exact matches, in which:  
2984 unique CDR3  
13 unique J



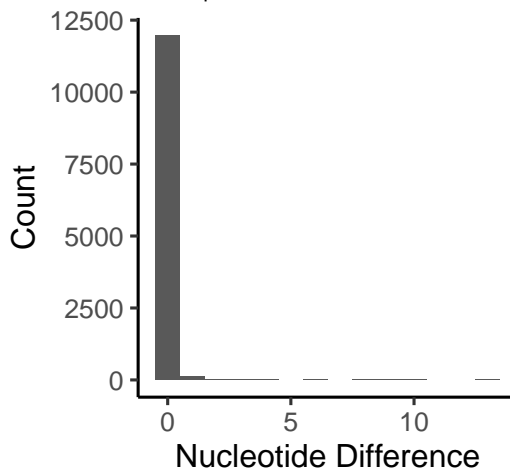
### TRBV16\*ap01

231 sequences assigned  
230 (99.6%) exact matches, in which:  
228 unique CDR3  
13 unique J



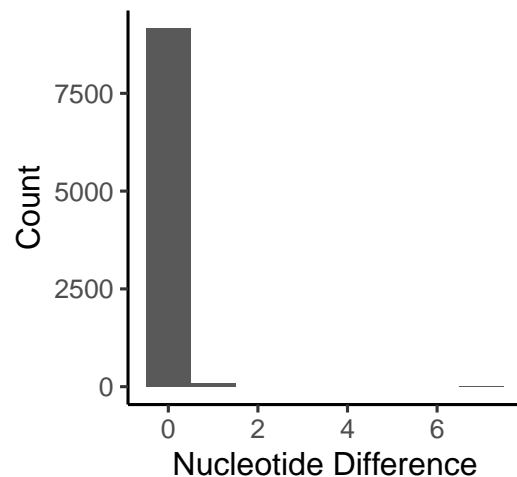
### TRBV19\*ap01

12130 sequences assigned  
11979 (98.8%) exact matches, in which:  
11880 unique CDR3  
13 unique J



### TRBV28\*ap01

9246 sequences assigned  
9160 (99.1%) exact matches, in which:  
9089 unique CDR3  
13 unique J



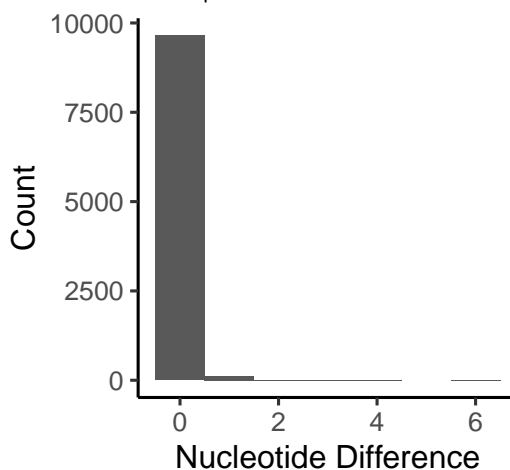
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



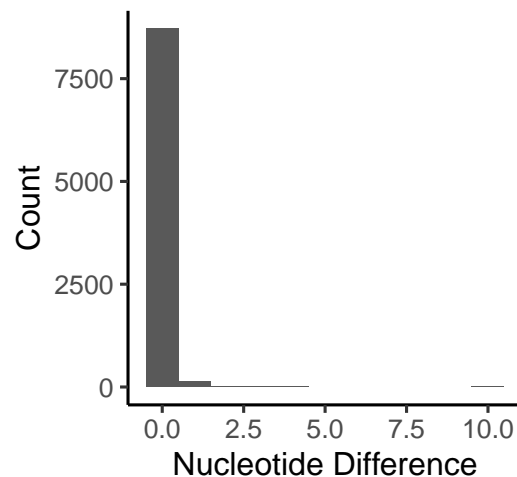
### TRBV2\*ap01

9778 sequences assigned  
9650 (98.7%) exact matches, in which:  
9508 unique CDR3  
13 unique J



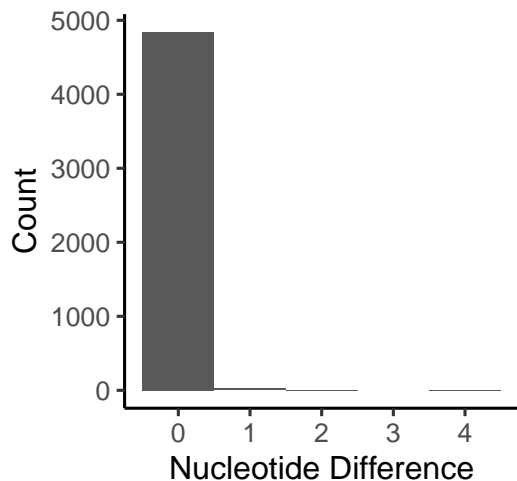
### TRBV30\*ap01

8861 sequences assigned  
8714 (98.3%) exact matches, in which:  
8573 unique CDR3  
13 unique J



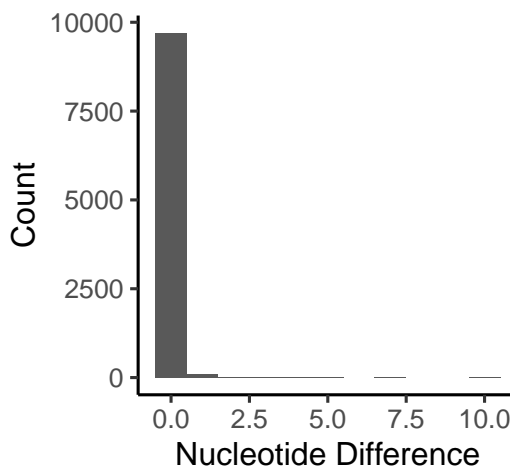
### TRBV18\*ap01

4870 sequences assigned  
4841 (99.4%) exact matches, in which:  
4819 unique CDR3  
13 unique J



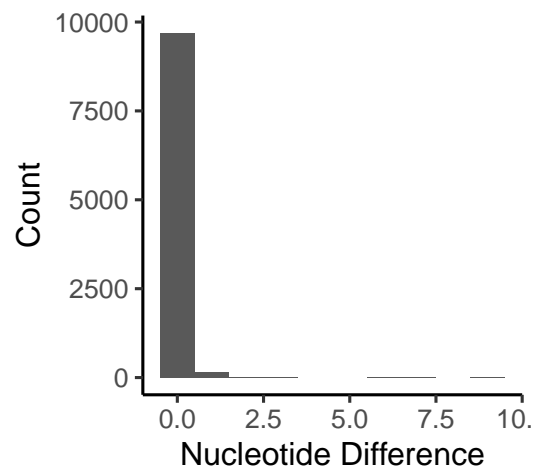
### TRBV27\*ap01

9832 sequences assigned  
9704 (98.7%) exact matches, in which:  
9569 unique CDR3  
13 unique J



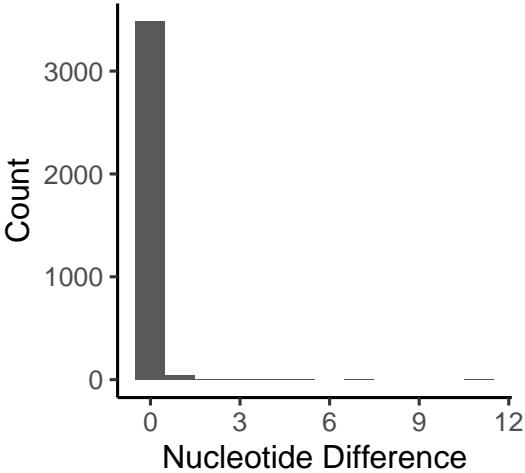
### TRBV9\*ap01

9858 sequences assigned  
9697 (98.4%) exact matches, in which:  
9603 unique CDR3  
13 unique J



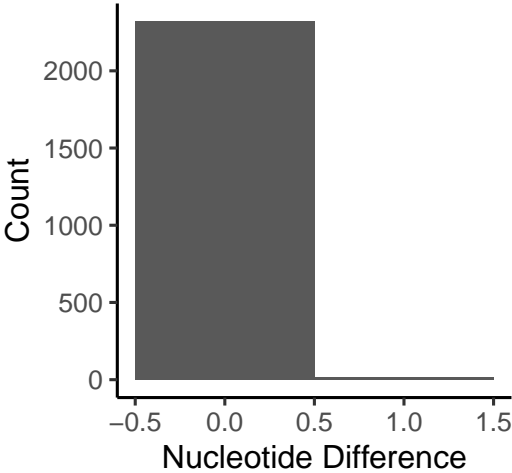
TRBV21-1\*ap01

3547 sequences assigned  
3483 (98.2%) exact matches, in which:  
3464 unique CDR3  
13 unique J



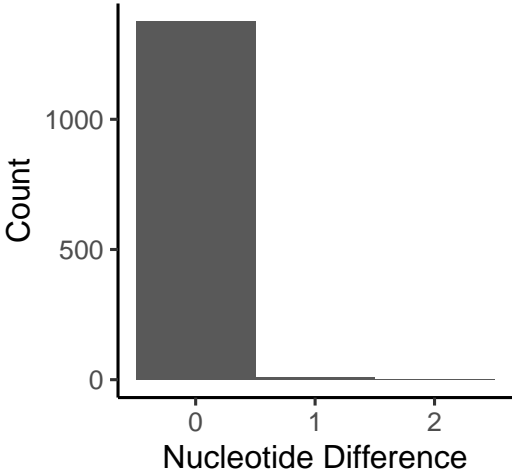
TRBV11-3\*ap01

2337 sequences assigned  
2320 (99.3%) exact matches, in which:  
2300 unique CDR3  
13 unique J



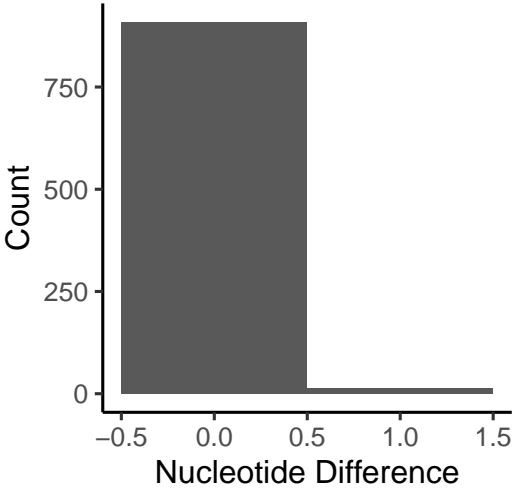
TRBV12-5\*ap01

1386 sequences assigned  
1376 (99.3%) exact matches, in which:  
1363 unique CDR3  
13 unique J



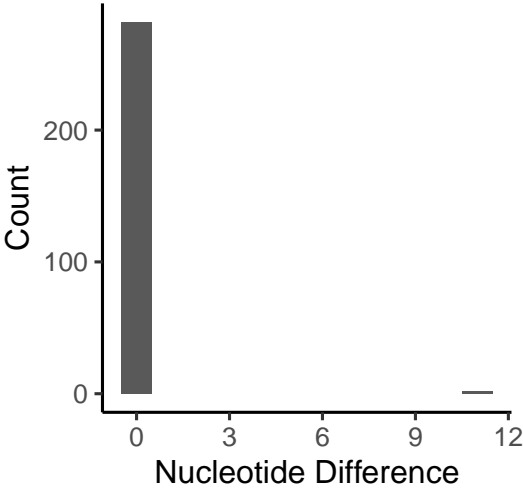
TRBV11-1\*ap01

922 sequences assigned  
909 (98.6%) exact matches, in which:  
899 unique CDR3  
13 unique J



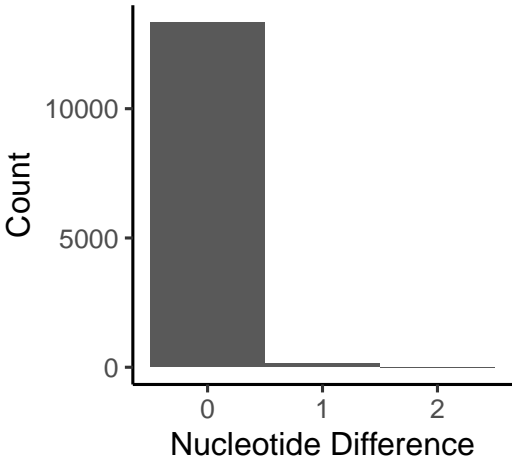
TRBV12-1\*ap01

284 sequences assigned  
282 (99.3%) exact matches, in which:  
280 unique CDR3  
13 unique J



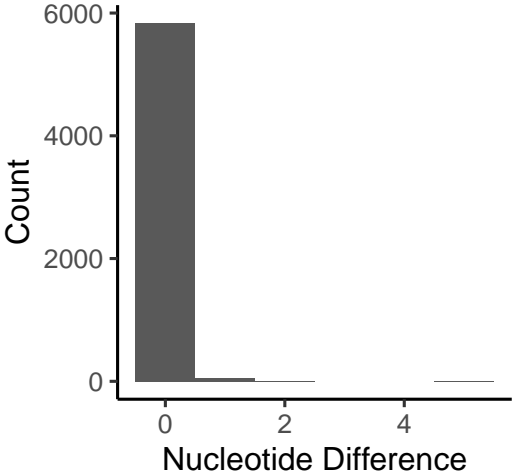
TRBV12-34\*ap01

13483 sequences assigned  
13334 (98.9%) exact matches, in which:  
13150 unique CDR3  
13 unique J



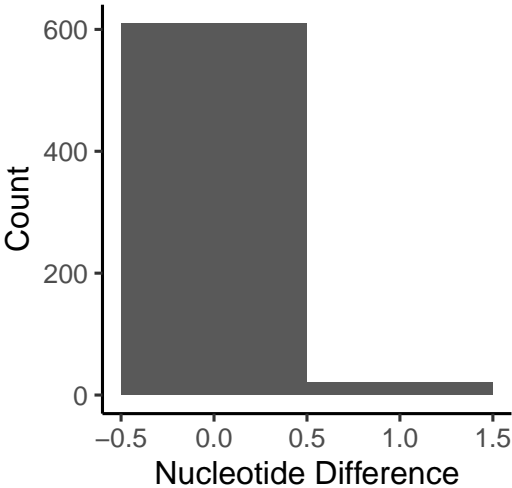
TRBV11-2\*ap01

5896 sequences assigned  
5837 (99%) exact matches, in which:  
5771 unique CDR3  
13 unique J



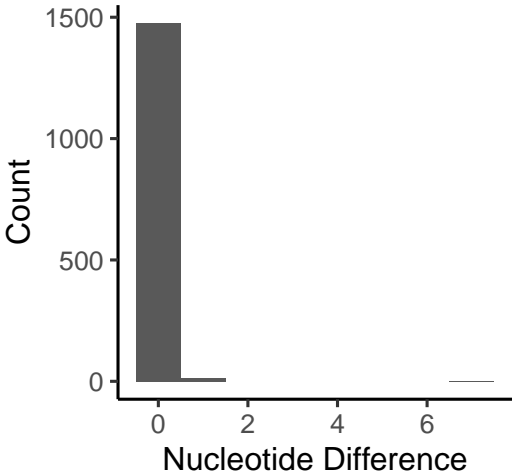
TRBV12-2\*ap01

630 sequences assigned  
610 (96.8%) exact matches, in which:  
602 unique CDR3  
13 unique J



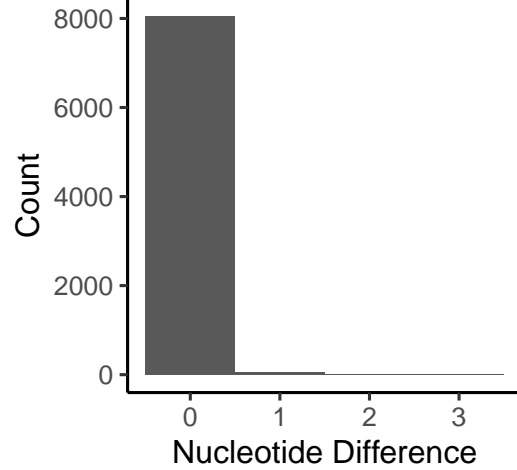
TRBV23-1\*ap01

1490 sequences assigned  
1476 (99.1%) exact matches, in which:  
1464 unique CDR3  
13 unique J



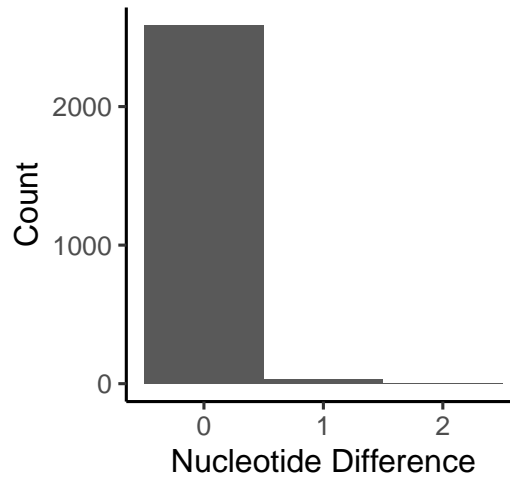
### TRBV3-12\*ap01

8103 sequences assigned  
8046 (99.3%) exact matches, in which:  
7975 unique CDR3  
14 unique J



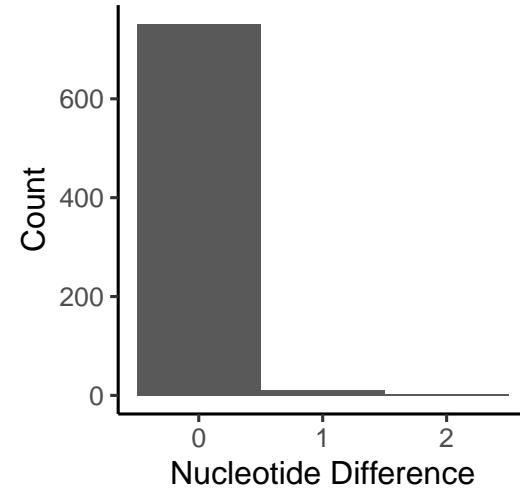
### TRBV4-2\*ap01

2617 sequences assigned  
2586 (98.8%) exact matches, in which:  
2550 unique CDR3  
13 unique J



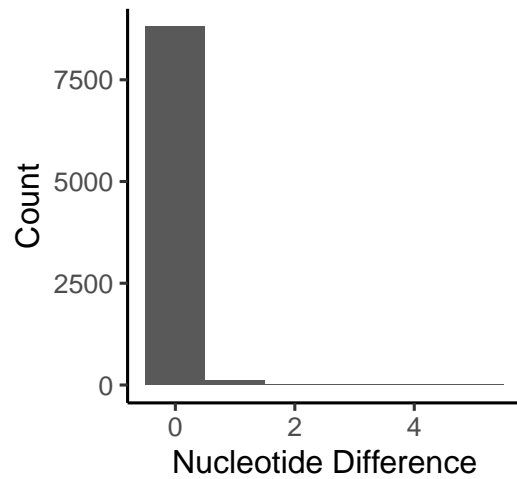
### TRBV5-3\*ap01

766 sequences assigned  
752 (98.2%) exact matches, in which:  
741 unique CDR3  
13 unique J



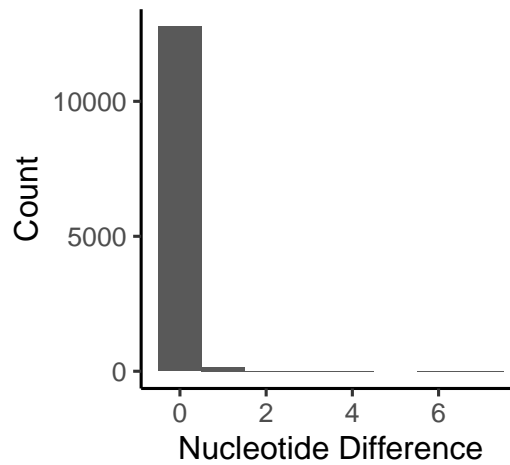
### TRBV4-1\*ap01

8909 sequences assigned  
8803 (98.8%) exact matches, in which:  
8656 unique CDR3  
13 unique J



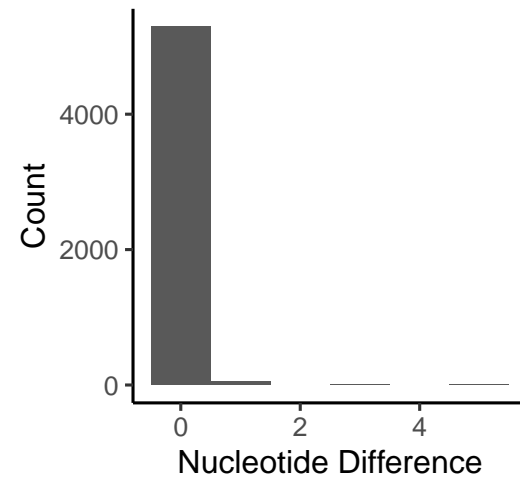
### TRBV5-1\*ap01

12949 sequences assigned  
12773 (98.6%) exact matches, in which:  
12527 unique CDR3  
13 unique J



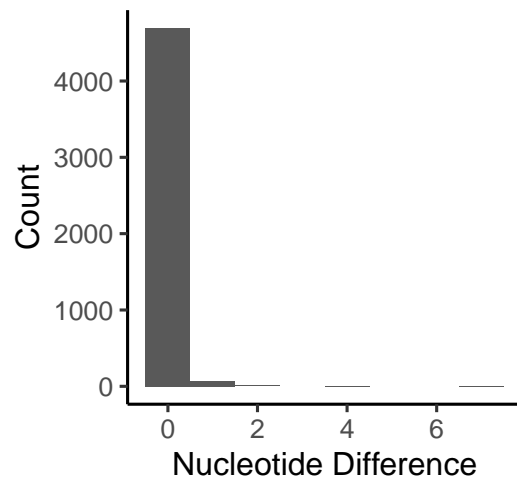
### TRBV5-4\*ap01

5345 sequences assigned  
5292 (99%) exact matches, in which:  
5199 unique CDR3  
13 unique J



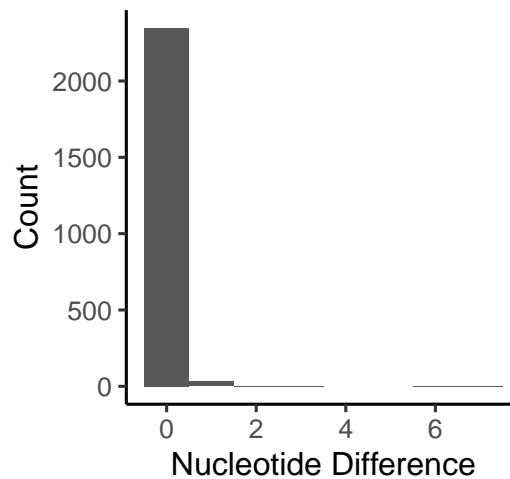
### TRBV24-1\*ap01

4781 sequences assigned  
4694 (98.2%) exact matches, in which:  
4627 unique CDR3  
13 unique J



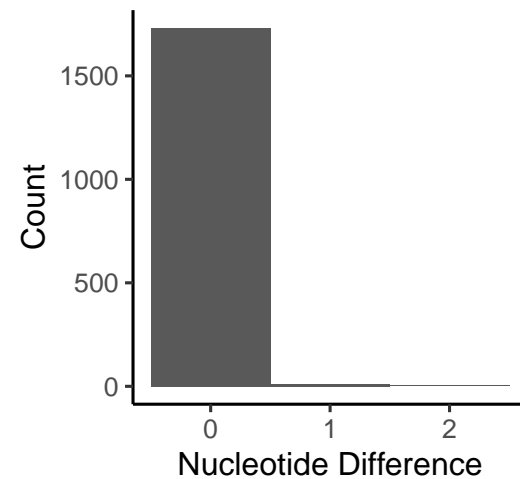
### TRBV25-1\*ap01

2386 sequences assigned  
2347 (98.4%) exact matches, in which:  
2306 unique CDR3  
13 unique J



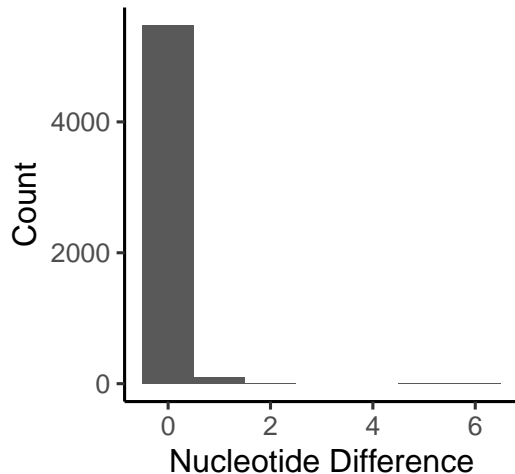
### TRBV5-5\*ap01

1745 sequences assigned  
1731 (99.2%) exact matches, in which:  
1725 unique CDR3  
13 unique J



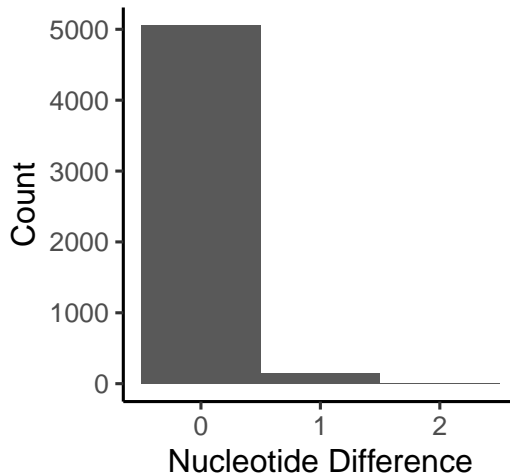
### TRBV5-6\*ap01

5577 sequences assigned  
5474 (98.2%) exact matches, in which:  
5356 unique CDR3  
13 unique J



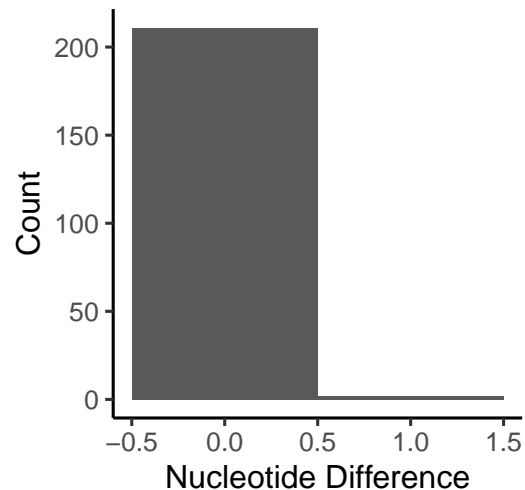
### TRBV6-1\*ap01

5203 sequences assigned  
5055 (97.2%) exact matches, in which:  
4966 unique CDR3  
13 unique J



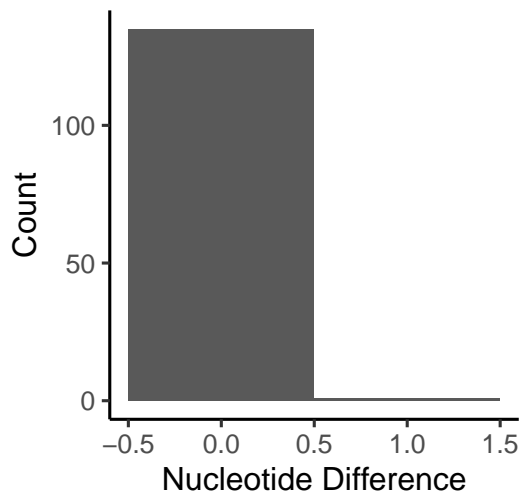
### TRBV6-8\*ap01

213 sequences assigned  
211 (99.1%) exact matches, in which:  
206 unique CDR3  
13 unique J



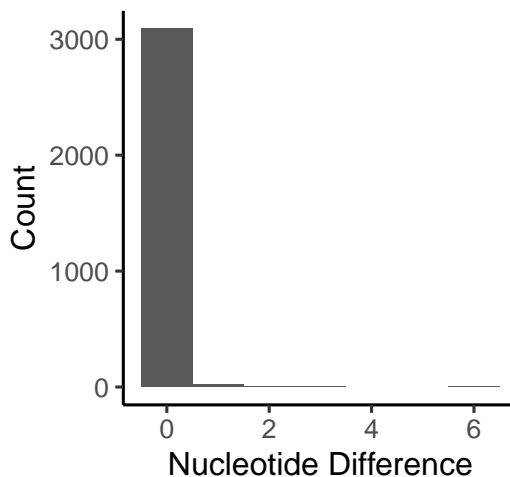
### TRBV5-7\*ap01

136 sequences assigned  
135 (99.3%) exact matches, in which:  
134 unique CDR3  
12 unique J



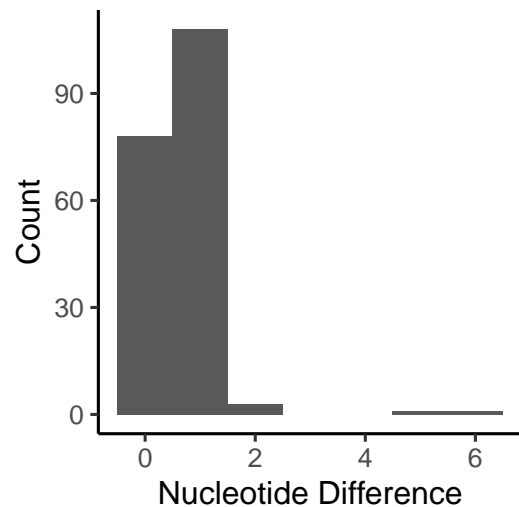
### TRBV6-4\*ap01

3115 sequences assigned  
3091 (99.2%) exact matches, in which:  
3062 unique CDR3  
13 unique J



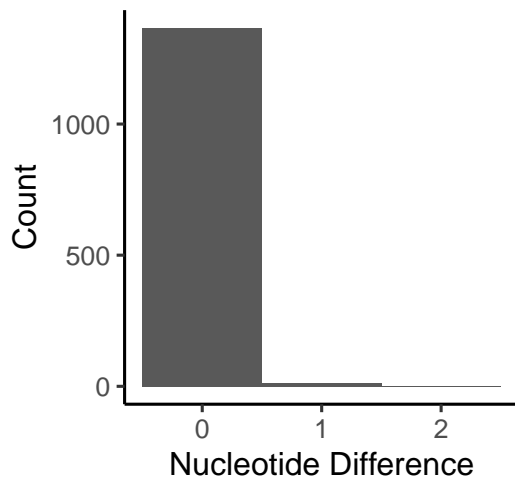
### TRBV6-9\*ap01

191 sequences assigned  
78 (40.8%) exact matches, in which:  
77 unique CDR3  
12 unique J



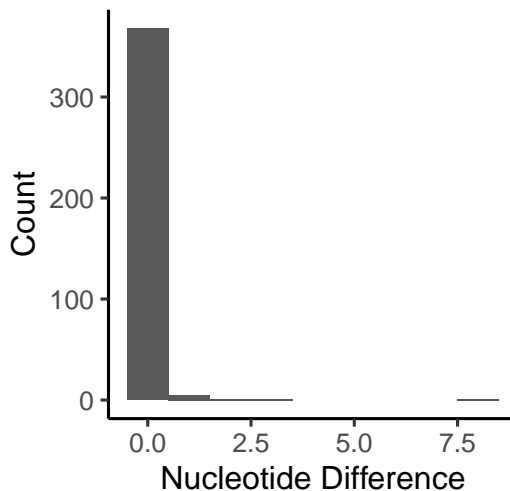
### TRBV5-8\*ap01

1380 sequences assigned  
1366 (99%) exact matches, in which:  
1348 unique CDR3  
13 unique J



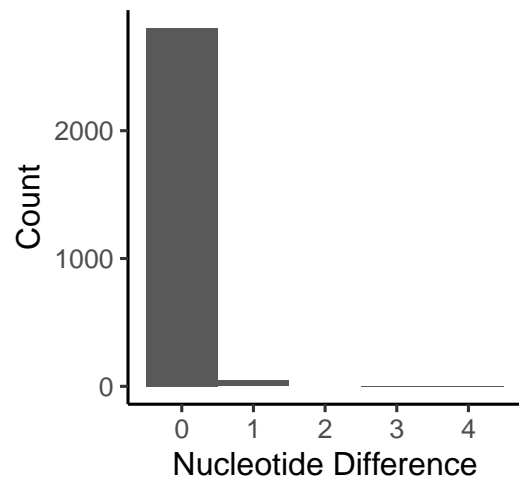
### TRBV6-7\*ap01

376 sequences assigned  
368 (97.9%) exact matches, in which:  
360 unique CDR3  
13 unique J



### TRBV6-23\*ap01

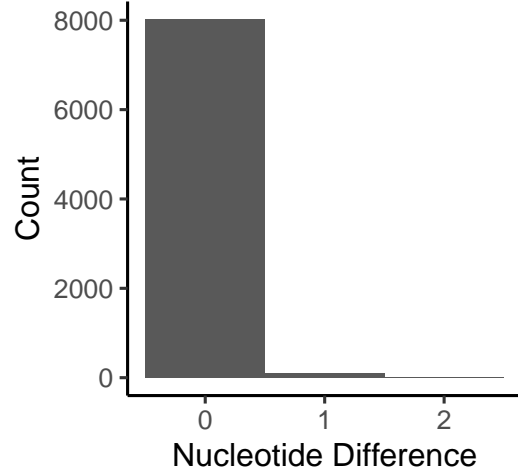
2850 sequences assigned  
2803 (98.4%) exact matches, in which:  
2743 unique CDR3  
13 unique J





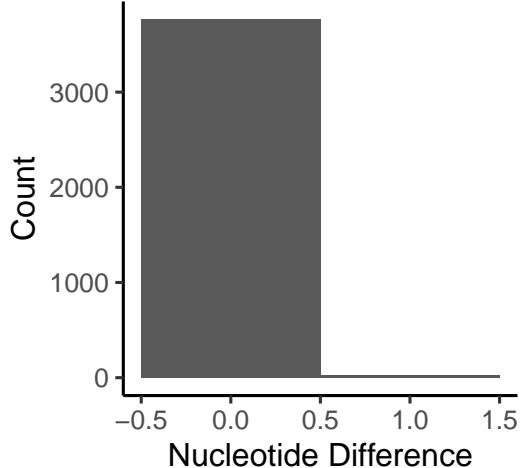
### TRBV6-56\*ap01

8122 sequences assigned  
8019 (98.7%) exact matches, in which:  
7847 unique CDR3  
13 unique J



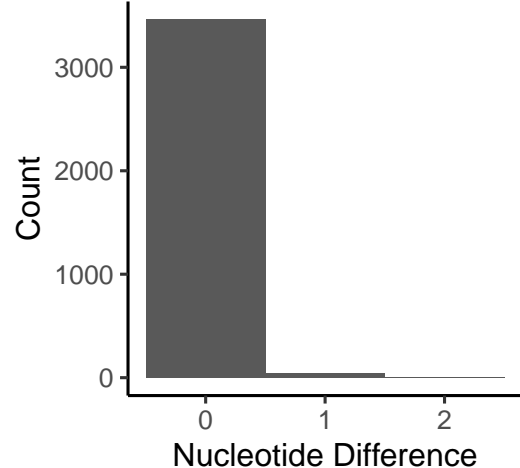
### TRBV7-2\*ap01

3793 sequences assigned  
3764 (99.2%) exact matches, in which:  
3727 unique CDR3  
13 unique J



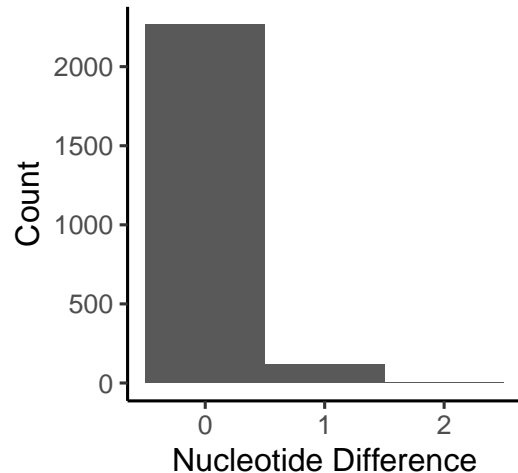
### TRBV7-6\*ap01

3506 sequences assigned  
3463 (98.8%) exact matches, in which:  
3409 unique CDR3  
13 unique J



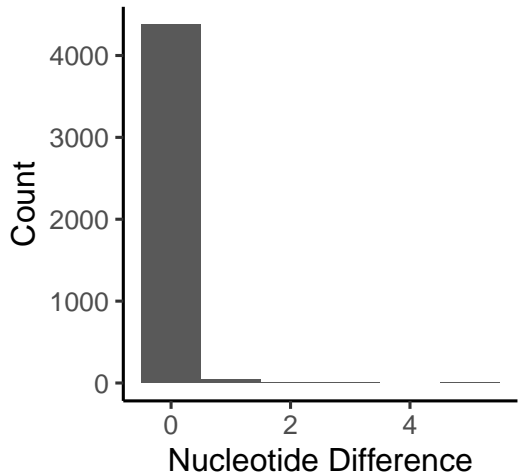
### TRBV6-56\*ap02

2387 sequences assigned  
2265 (94.9%) exact matches, in which:  
2221 unique CDR3  
13 unique J



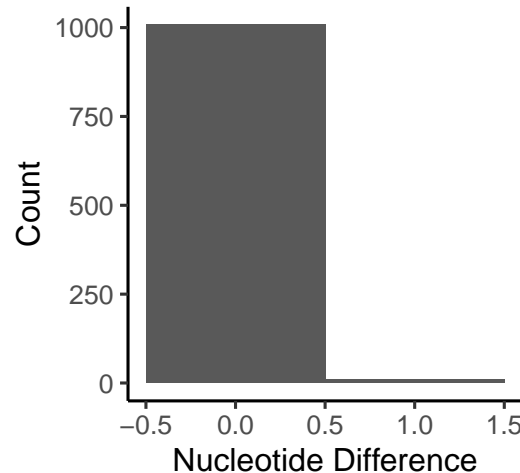
### TRBV7-3\*ap01

4426 sequences assigned  
4376 (98.9%) exact matches, in which:  
4338 unique CDR3  
13 unique J



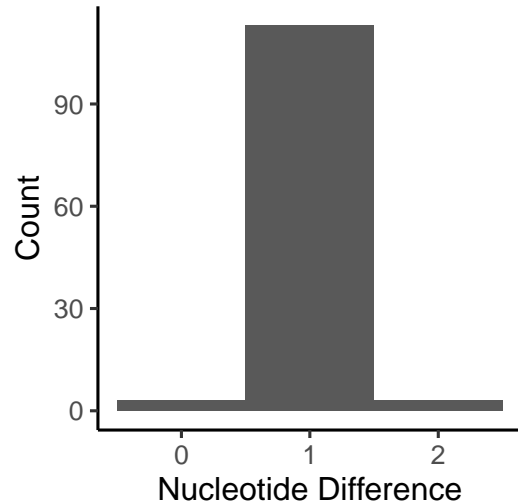
### TRBV7-7\*ap01

1018 sequences assigned  
1008 (99%) exact matches, in which:  
997 unique CDR3  
14 unique J



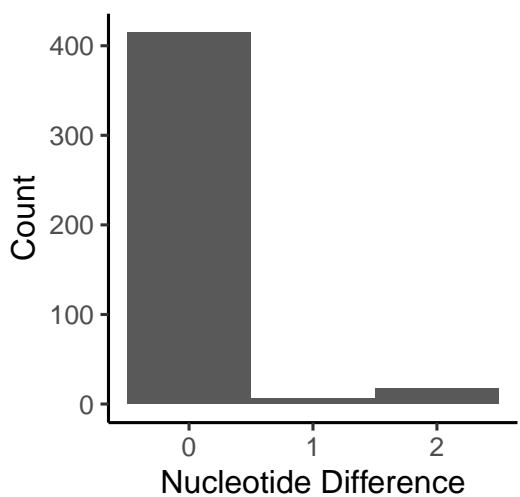
### TRBV7-1\*ap01\_T296C

119 sequences assigned  
3 (2.5%) exact matches, in which:  
2 unique CDR3  
2 unique J



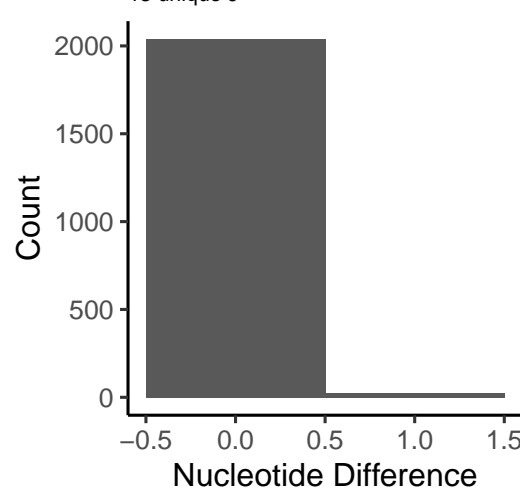
### TRBV7-4\*ap01

438 sequences assigned  
415 (94.7%) exact matches, in which:  
410 unique CDR3  
13 unique J



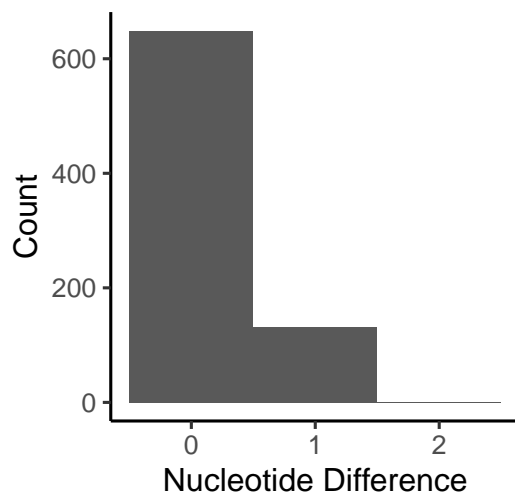
### TRBV7-8\*ap01

2062 sequences assigned  
2039 (98.9%) exact matches, in which:  
2012 unique CDR3  
13 unique J



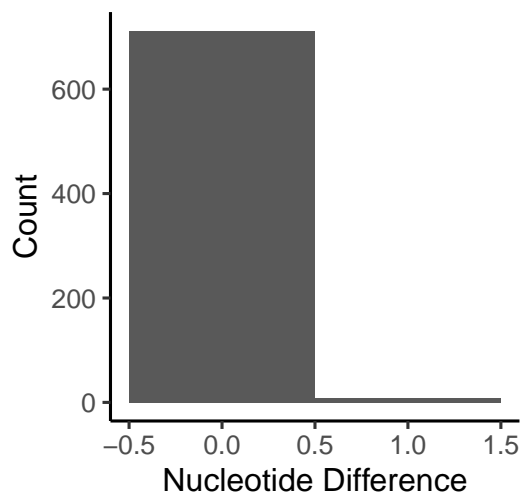
### TRBV7-8\*ap03

781 sequences assigned  
649 (83.1%) exact matches, in which:  
643 unique CDR3  
13 unique J



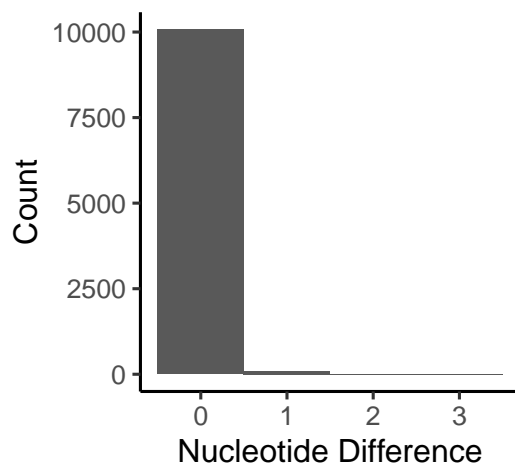
### TRBV29-1\*ap02

721 sequences assigned  
712 (98.8%) exact matches, in which:  
699 unique CDR3  
13 unique J



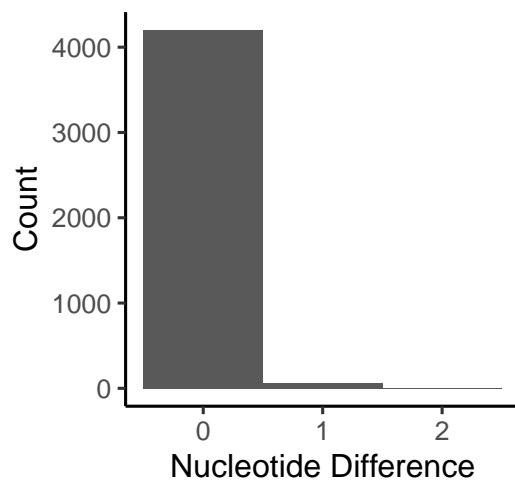
### TRBV7-9\*ap01

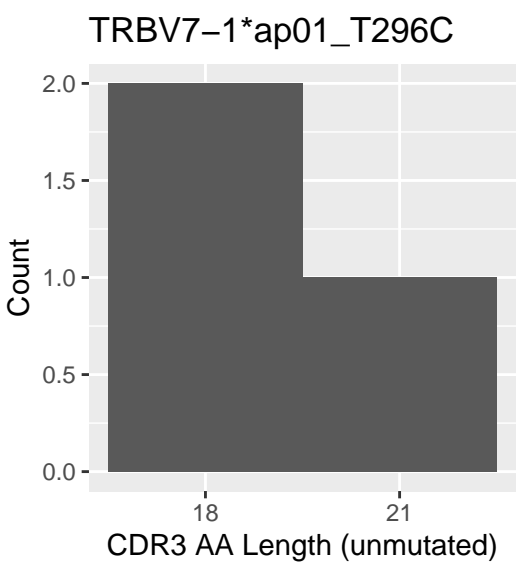
10172 sequences assigned  
10075 (99%) exact matches, in which:  
9923 unique CDR3  
13 unique J



### TRBV29-1\*ap01

4263 sequences assigned  
4201 (98.5%) exact matches, in which:  
4134 unique CDR3  
13 unique J







[illegible]