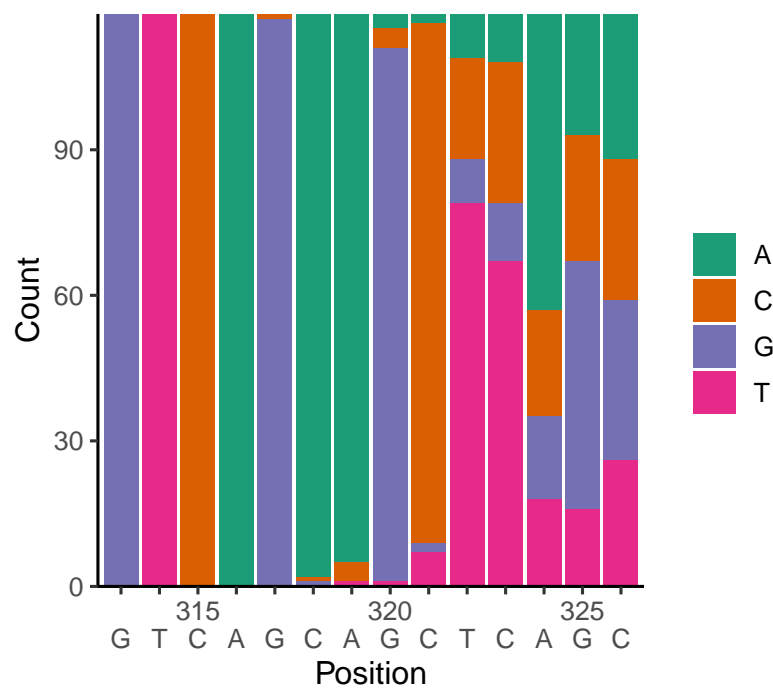
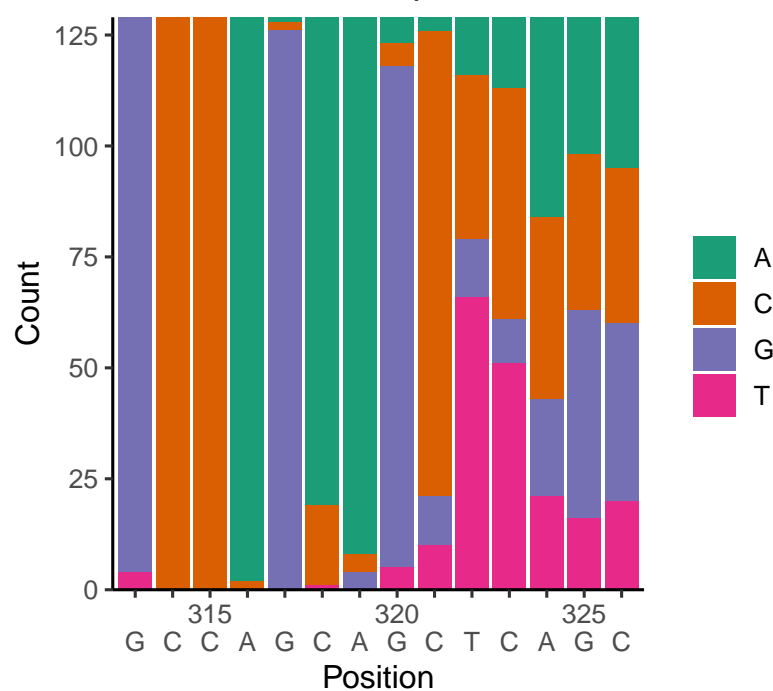


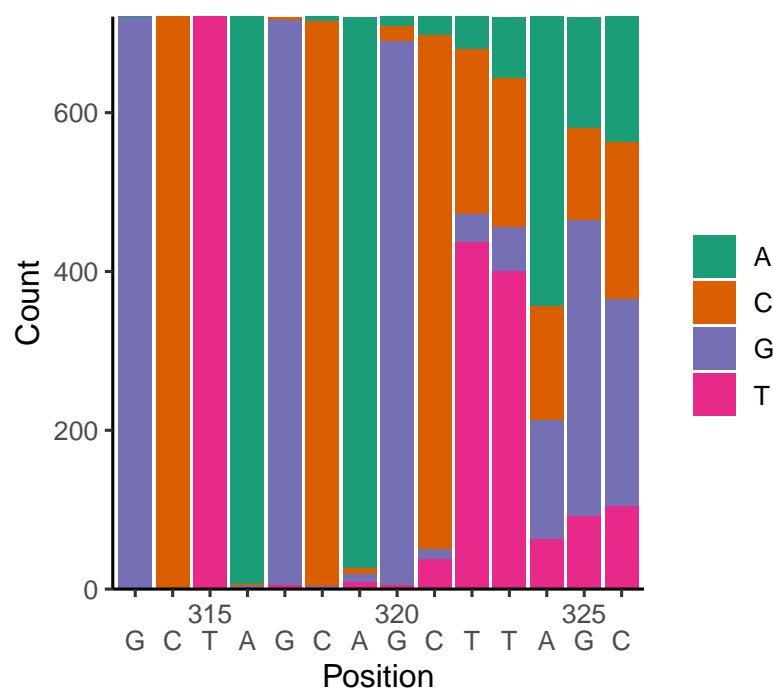
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



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



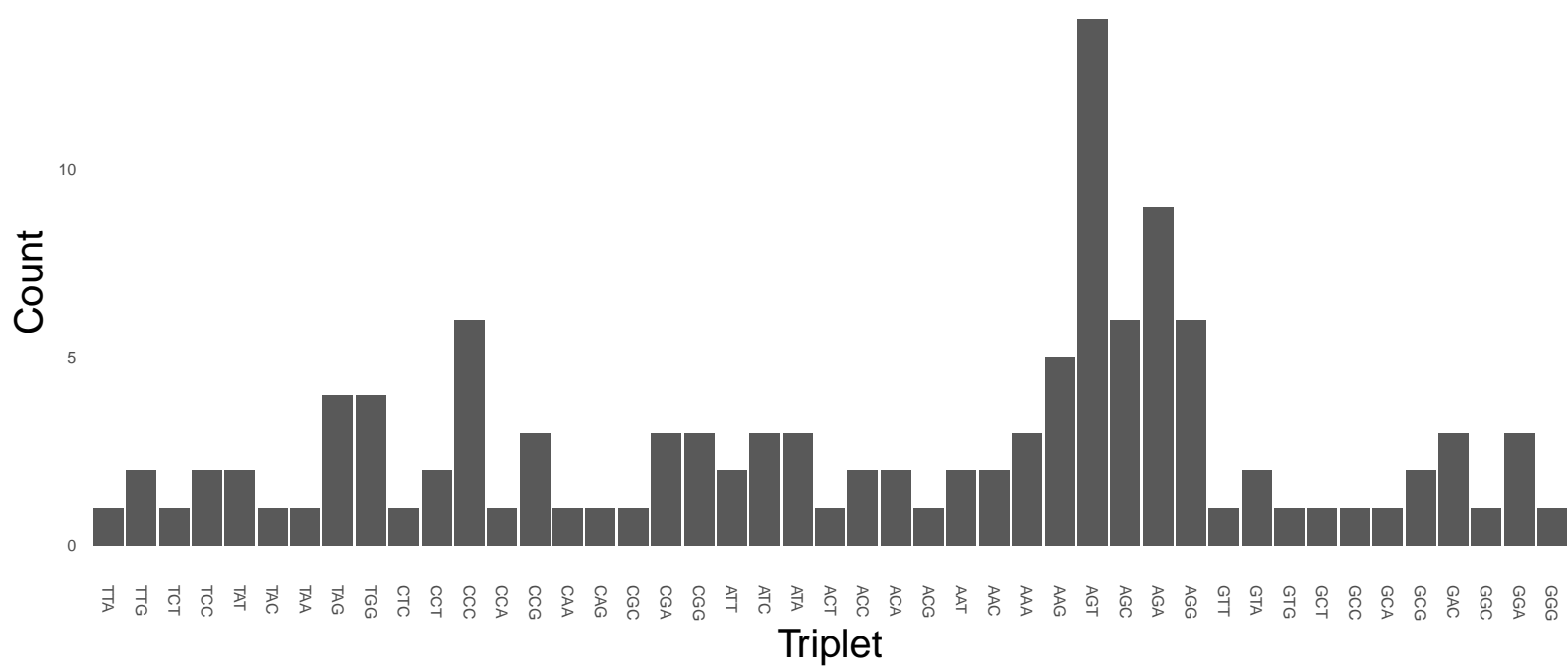
Gene TRBV7-1\*ap01\_G291C\_T296C



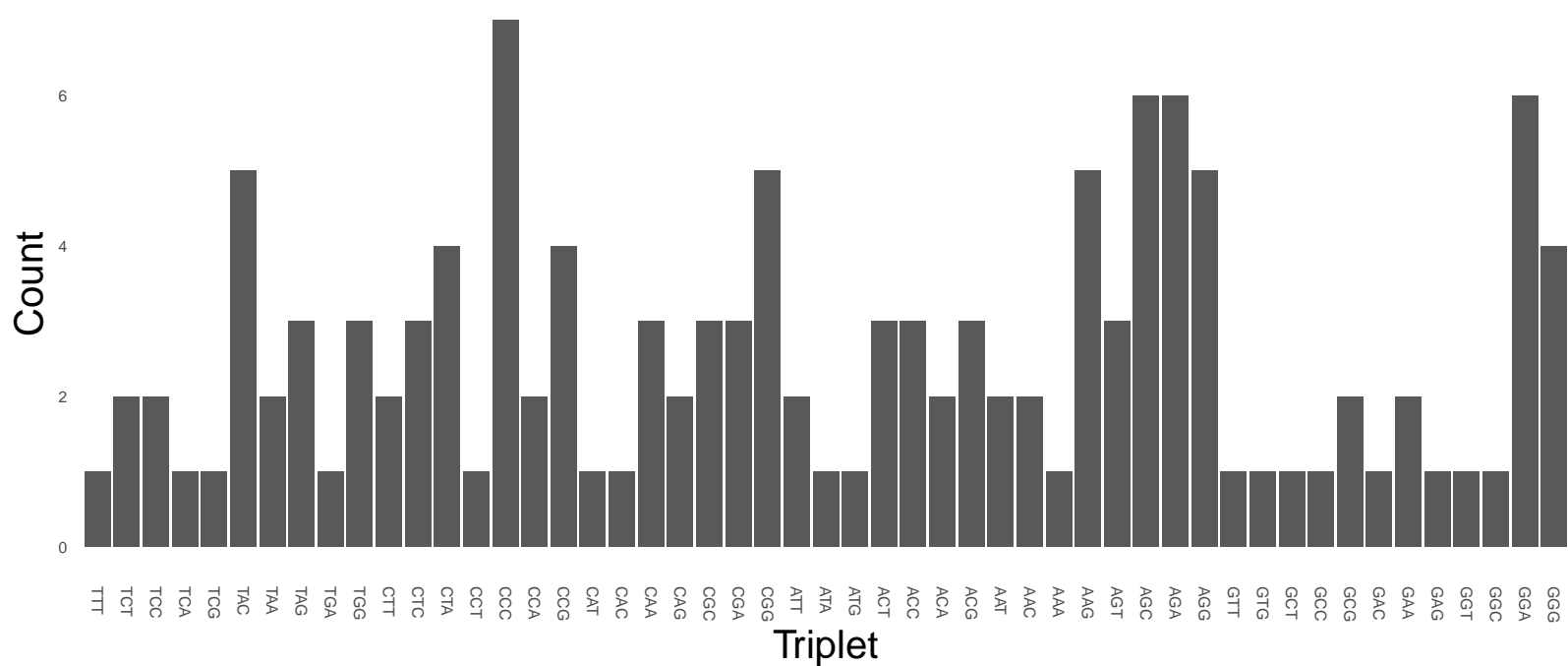
Gene TRBV7-7\*ap01\_C315T



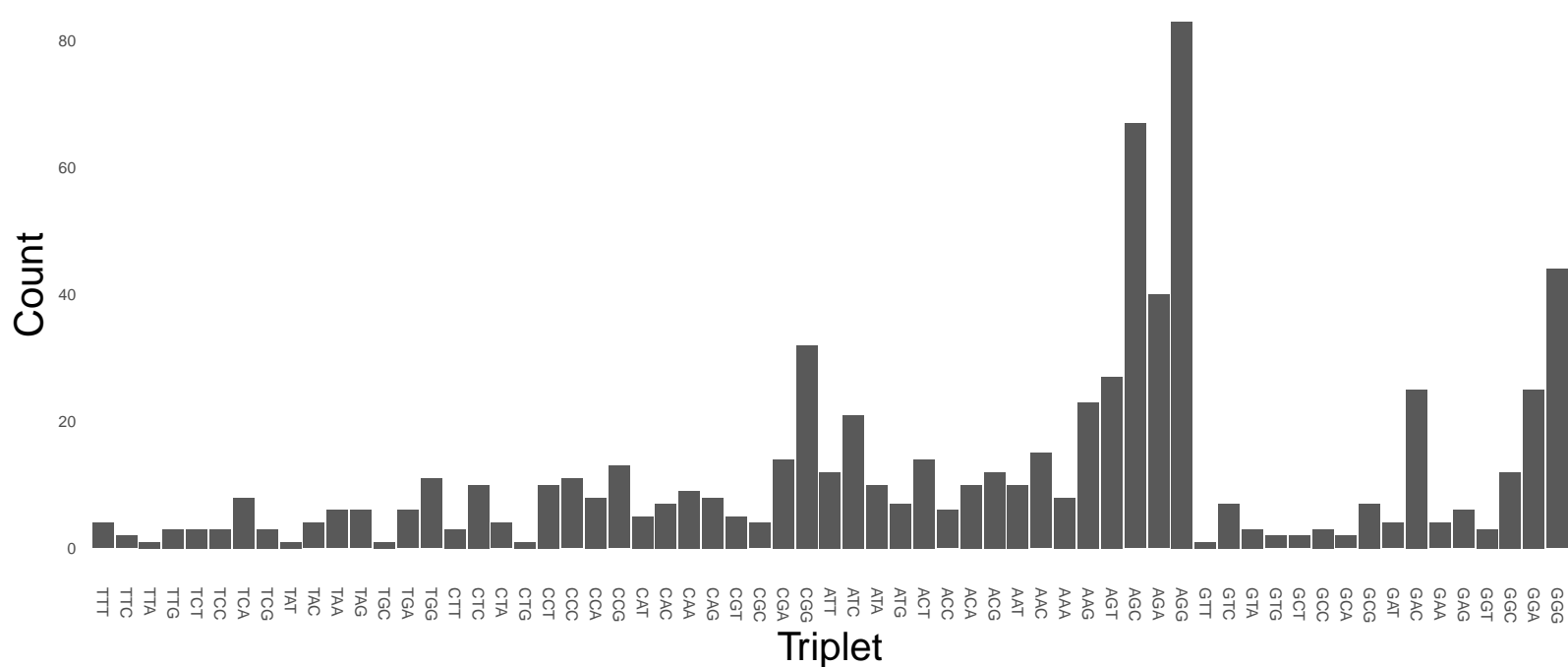
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

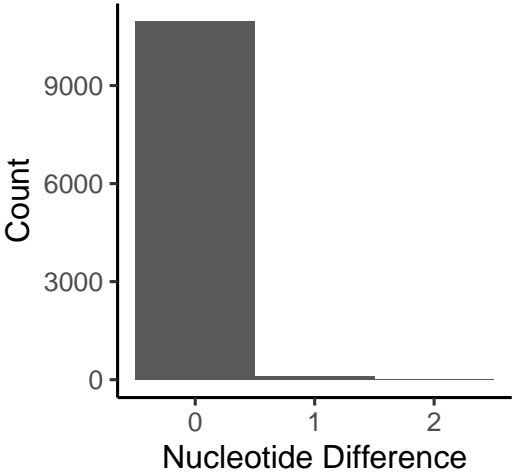


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



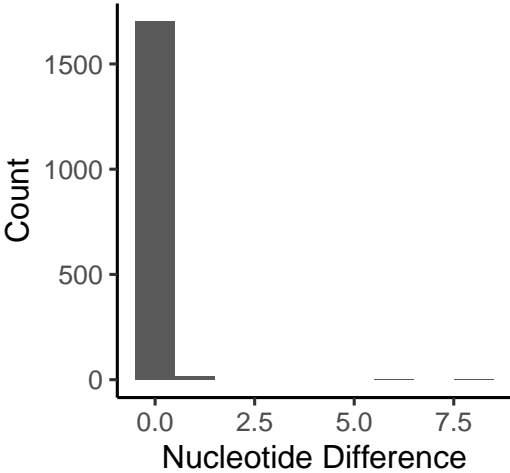
TRBV20-1\*ap01

11075 sequences assigned  
10963 (99%) exact matches, in which:  
10780 unique CDR3  
13 unique J



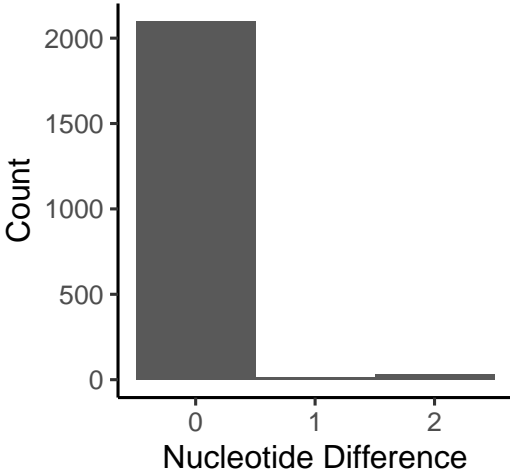
TRBV10-2\*ap01

1720 sequences assigned  
1702 (99%) exact matches, in which:  
1678 unique CDR3  
13 unique J



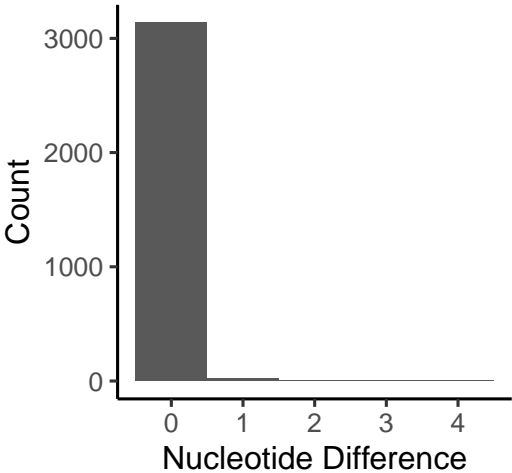
TRBV13\*ap01

2148 sequences assigned  
2098 (97.7%) exact matches, in which:  
2047 unique CDR3  
13 unique J



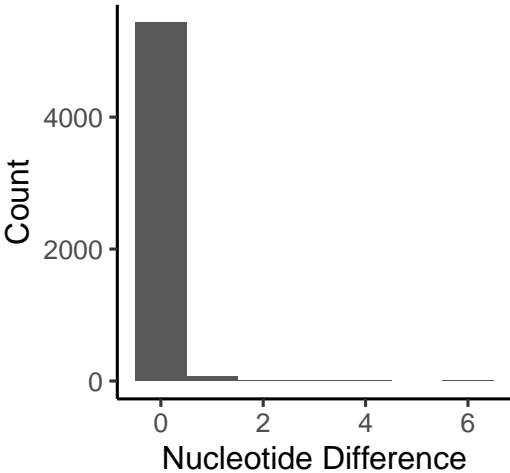
TRBV10-1\*ap01

3162 sequences assigned  
3137 (99.2%) exact matches, in which:  
3087 unique CDR3  
13 unique J



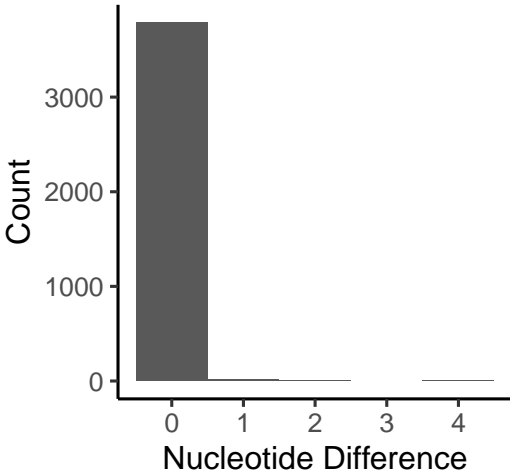
TRBV10-3\*ap01

5500 sequences assigned  
5431 (98.7%) exact matches, in which:  
5311 unique CDR3  
13 unique J



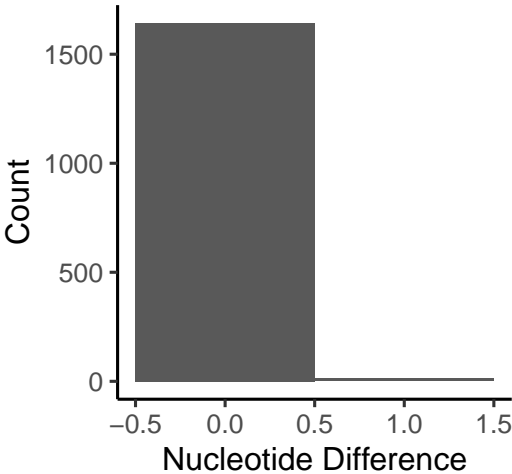
TRBV14\*ap01

3800 sequences assigned  
3786 (99.6%) exact matches, in which:  
3718 unique CDR3  
13 unique J



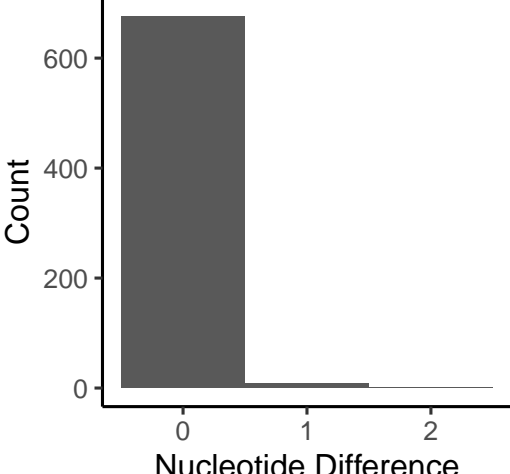
TRBV20-1\*ap02

1656 sequences assigned  
1643 (99.2%) exact matches, in which:  
1617 unique CDR3  
13 unique J



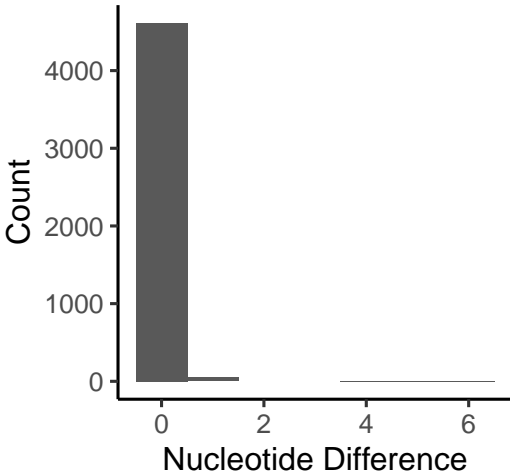
TRBV1\*ap01

685 sequences assigned  
676 (98.7%) exact matches, in which:  
665 unique CDR3  
13 unique J



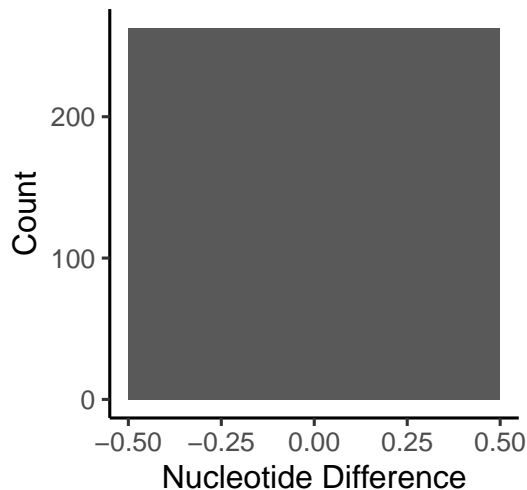
TRBV15\*ap02

4662 sequences assigned  
4612 (98.9%) exact matches, in which:  
4516 unique CDR3  
13 unique J



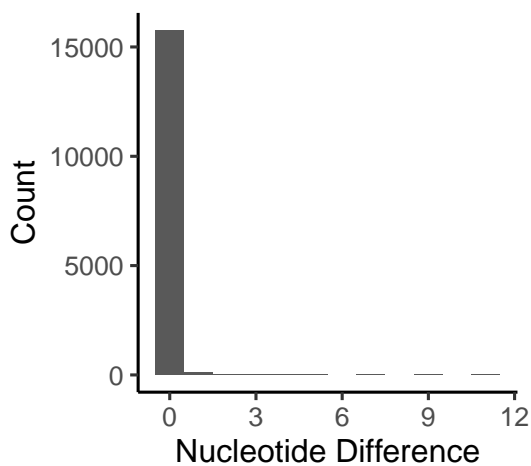
### TRBV16\*ap01

263 sequences assigned  
263 (100%) exact matches, in which:  
260 unique CDR3  
13 unique J



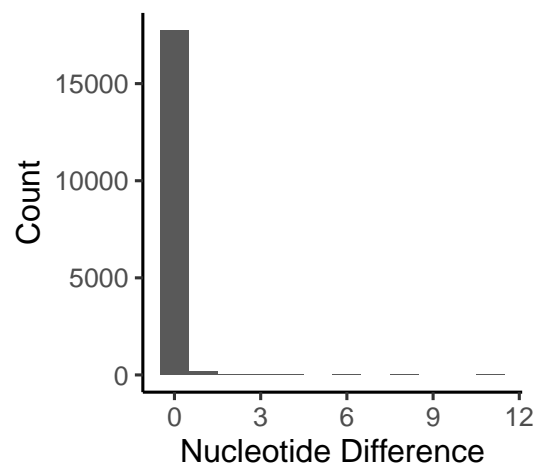
### TRBV19\*ap01

15887 sequences assigned  
15769 (99.3%) exact matches, in which:  
15598 unique CDR3  
13 unique J



### TRBV27\*ap01

17959 sequences assigned  
17754 (98.9%) exact matches, in which:  
17357 unique CDR3  
13 unique J



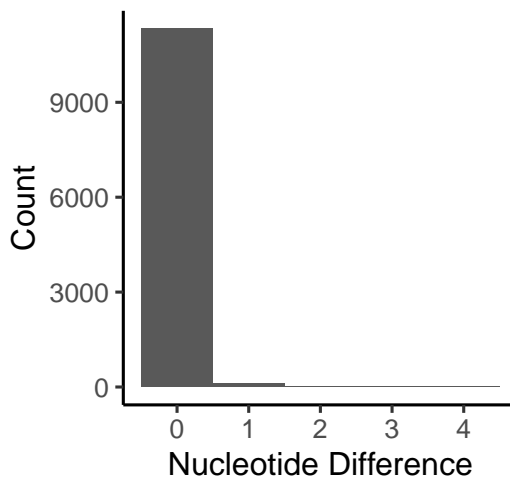
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



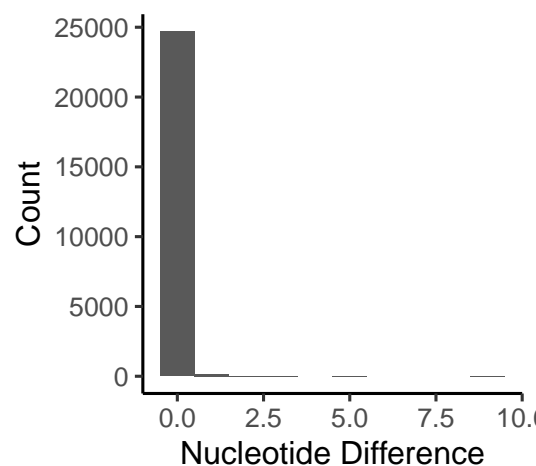
### TRBV2\*ap01

11437 sequences assigned  
11326 (99%) exact matches, in which:  
11120 unique CDR3  
13 unique J



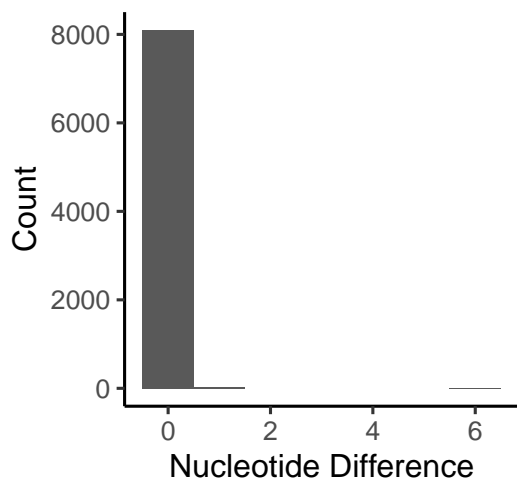
### TRBV28\*ap01

24885 sequences assigned  
24697 (99.2%) exact matches, in which:  
24318 unique CDR3  
14 unique J



### TRBV18\*ap01

8128 sequences assigned  
8098 (99.6%) exact matches, in which:  
8016 unique CDR3  
13 unique J



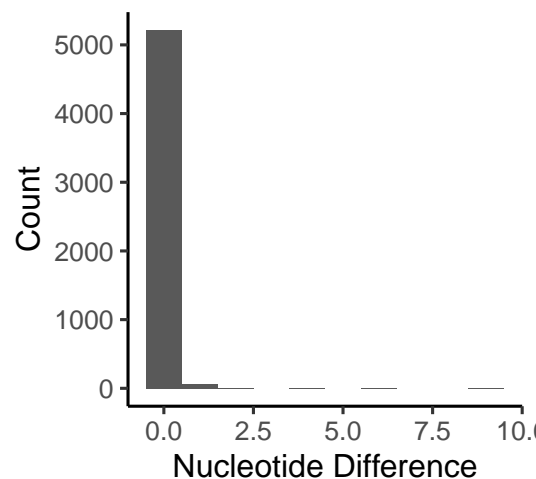
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



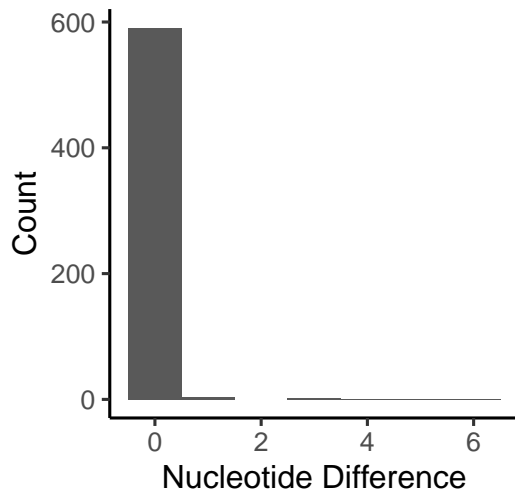
### TRBV30\*ap01

5287 sequences assigned  
5216 (98.7%) exact matches, in which:  
5129 unique CDR3  
13 unique J



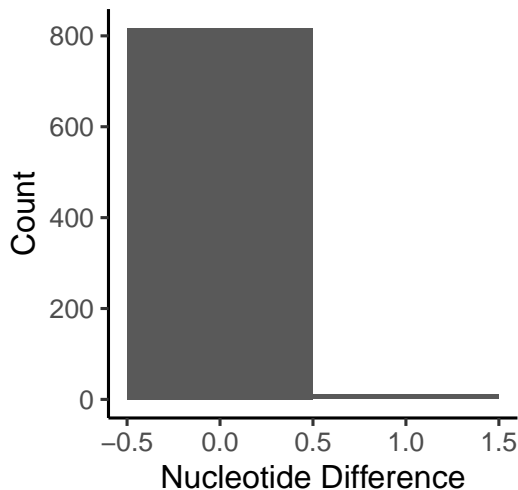
### TRBV30\*ap02

600 sequences assigned  
591 (98.5%) exact matches, in which:  
584 unique CDR3  
13 unique J



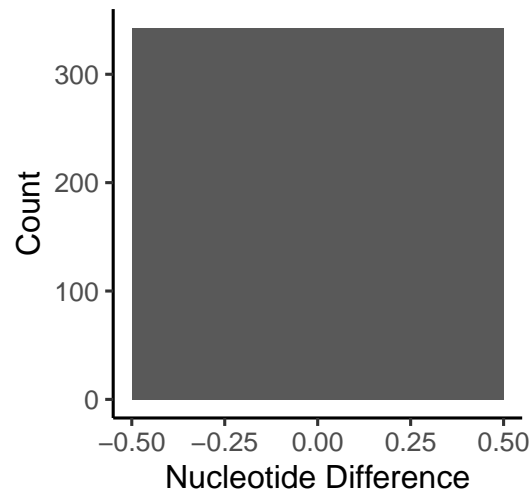
### TRBV11-1\*ap01

829 sequences assigned  
818 (98.7%) exact matches, in which:  
804 unique CDR3  
13 unique J



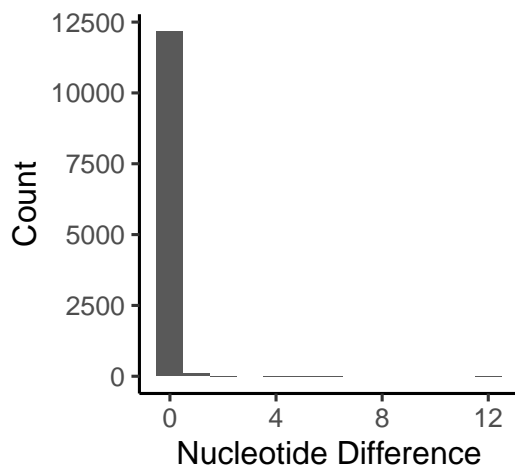
### TRBV12-1\*ap01

343 sequences assigned  
343 (100%) exact matches, in which:  
339 unique CDR3  
13 unique J



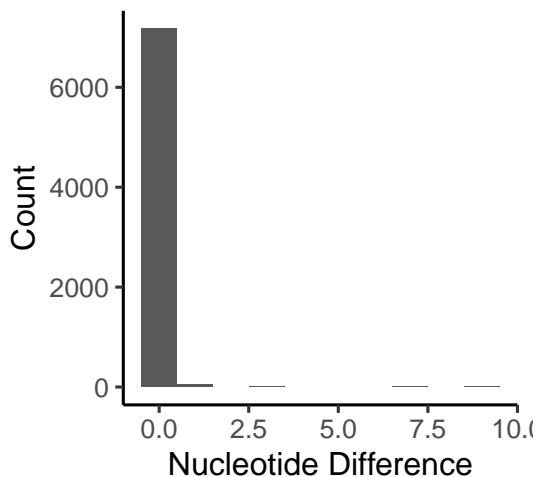
### TRBV9\*ap01

12280 sequences assigned  
12169 (99.1%) exact matches, in which:  
11971 unique CDR3  
13 unique J



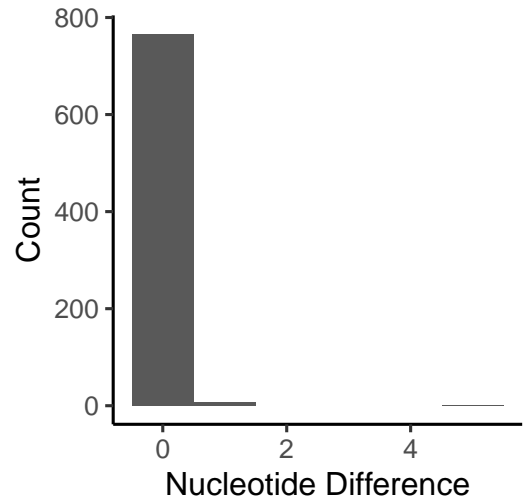
### TRBV11-2\*ap01

7229 sequences assigned  
7173 (99.2%) exact matches, in which:  
7024 unique CDR3  
13 unique J



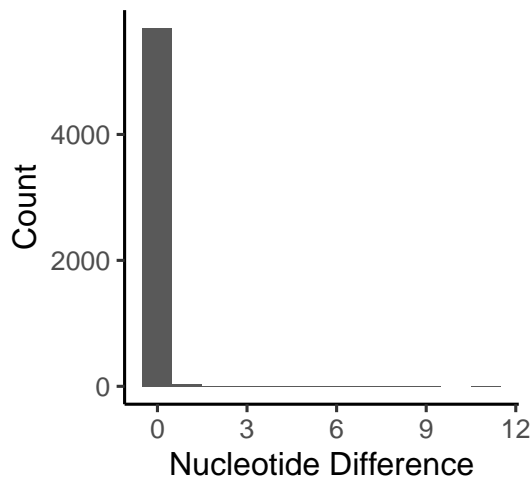
### TRBV12-2\*ap01

774 sequences assigned  
766 (99%) exact matches, in which:  
756 unique CDR3  
13 unique J



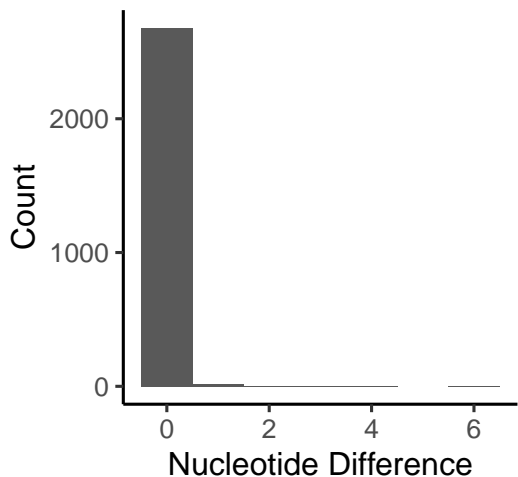
### TRBV21-1\*ap01

5760 sequences assigned  
5690 (98.8%) exact matches, in which:  
5621 unique CDR3  
13 unique J



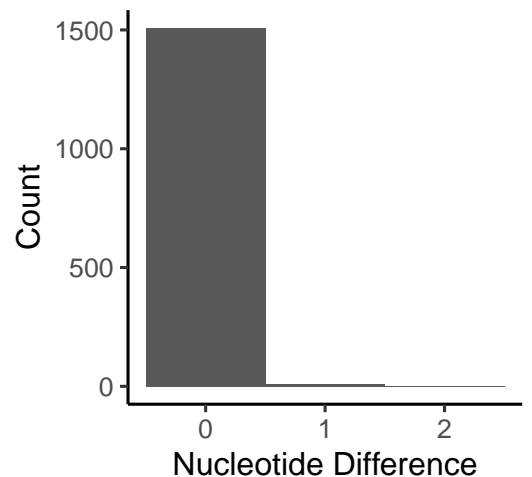
### TRBV11-3\*ap01

2701 sequences assigned  
2678 (99.1%) exact matches, in which:  
2645 unique CDR3  
13 unique J



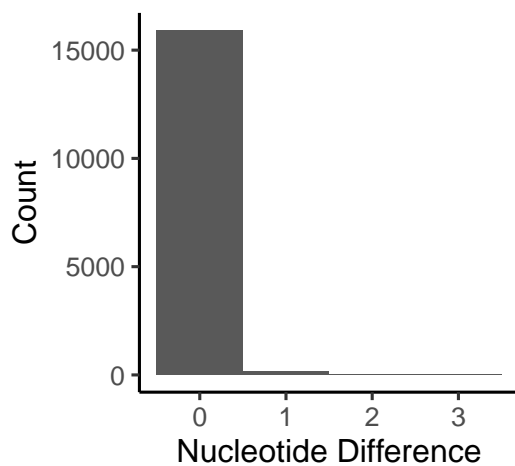
### TRBV12-5\*ap01

1519 sequences assigned  
1508 (99.3%) exact matches, in which:  
1492 unique CDR3  
13 unique J



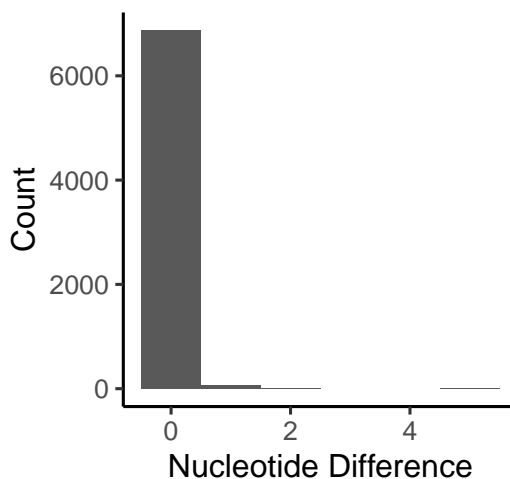
### TRBV12-34\*ap01

16076 sequences assigned  
15923 (99%) exact matches, in which:  
15682 unique CDR3  
13 unique J



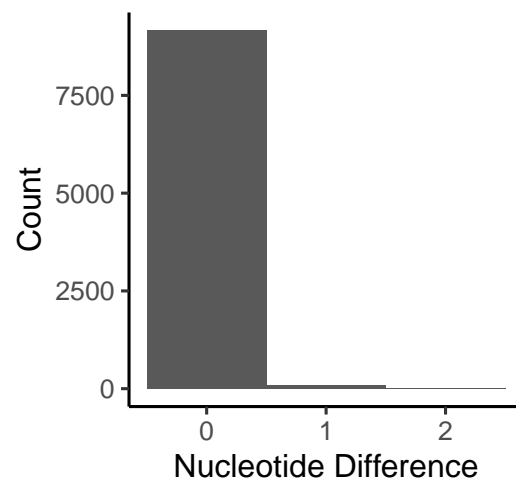
### TRBV4-1\*ap01

6939 sequences assigned  
6871 (99%) exact matches, in which:  
6724 unique CDR3  
13 unique J



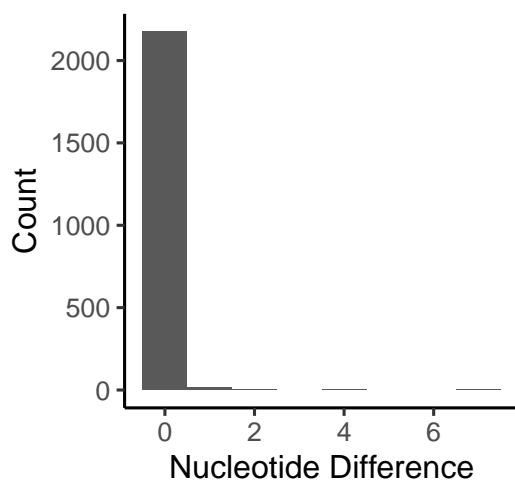
### TRBV4-3\*ap01

9247 sequences assigned  
9162 (99.1%) exact matches, in which:  
8983 unique CDR3  
13 unique J



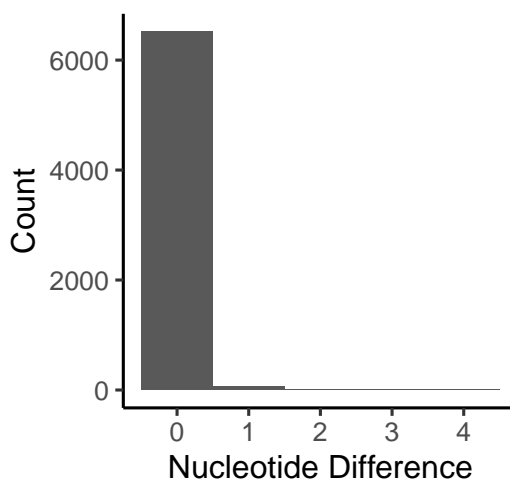
### TRBV23-1\*ap01

2196 sequences assigned  
2175 (99%) exact matches, in which:  
2140 unique CDR3  
13 unique J



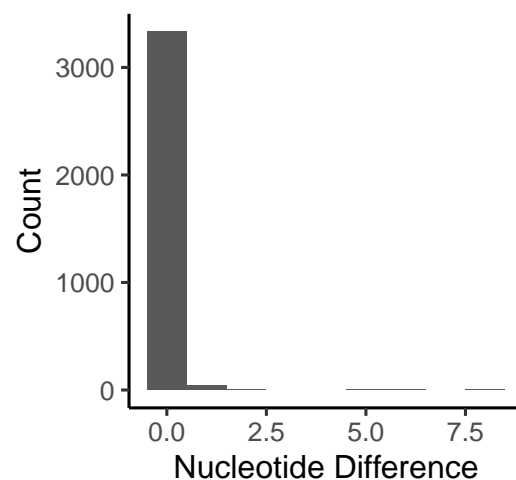
### TRBV24-1\*ap01

6594 sequences assigned  
6516 (98.8%) exact matches, in which:  
6406 unique CDR3  
13 unique J



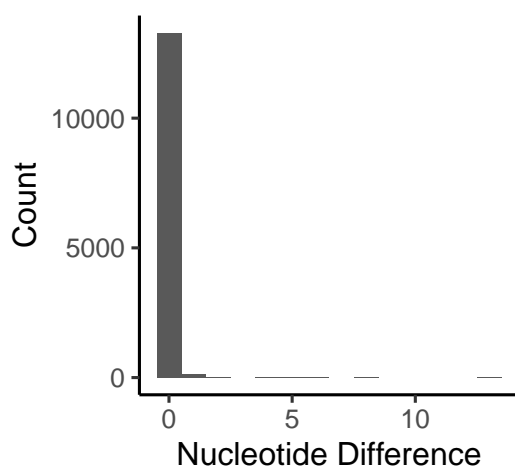
### TRBV25-1\*ap01

3378 sequences assigned  
3332 (98.6%) exact matches, in which:  
3277 unique CDR3  
13 unique J



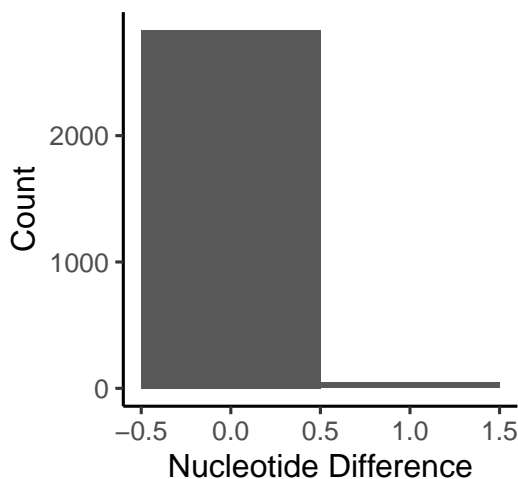
### TRBV3-12\*ap01

13432 sequences assigned  
13291 (99%) exact matches, in which:  
13029 unique CDR3  
13 unique J



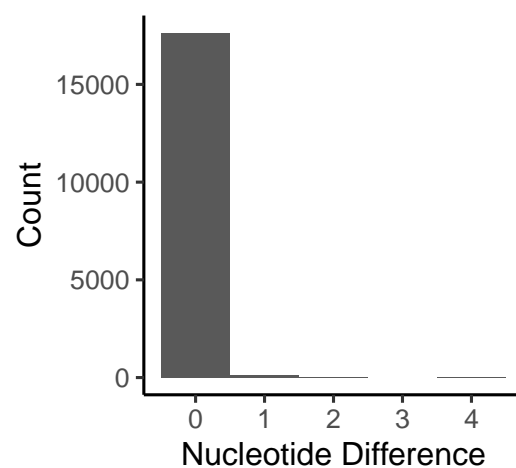
### TRBV4-2\*ap01

2881 sequences assigned  
2836 (98.4%) exact matches, in which:  
2778 unique CDR3  
13 unique J



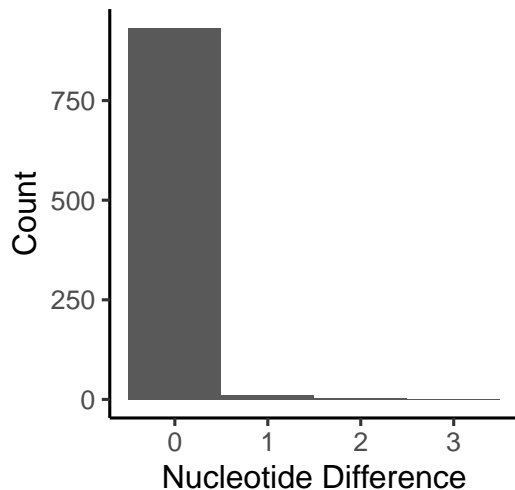
### TRBV5-1\*ap01

17795 sequences assigned  
17641 (99.1%) exact matches, in which:  
17276 unique CDR3  
13 unique J



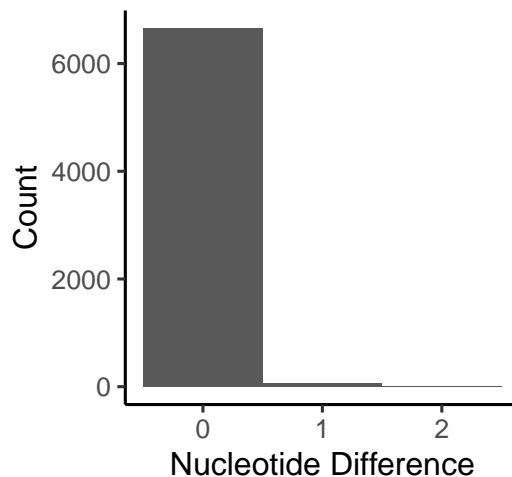
### TRBV5-3\*ap01

950 sequences assigned  
933 (98.2%) exact matches, in which:  
924 unique CDR3  
13 unique J



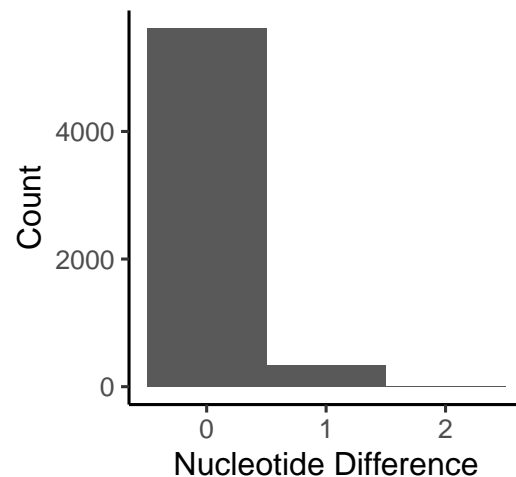
### TRBV5-6\*ap01

6716 sequences assigned  
6653 (99.1%) exact matches, in which:  
6515 unique CDR3  
13 unique J



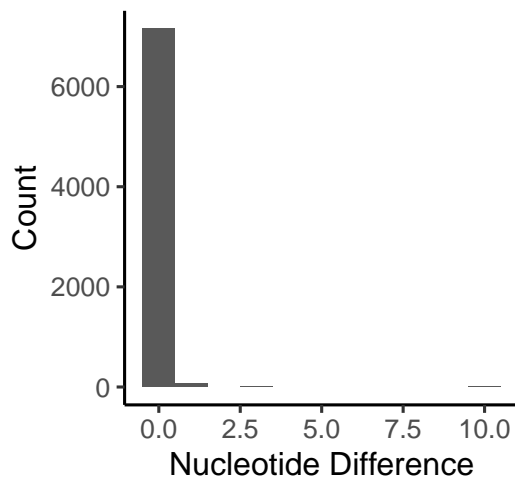
### TRBV6-1\*ap01

5952 sequences assigned  
5615 (94.3%) exact matches, in which:  
5514 unique CDR3  
13 unique J



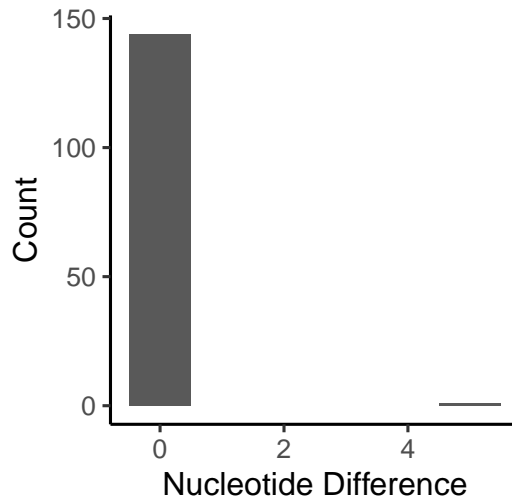
### TRBV5-4\*ap01

7224 sequences assigned  
7156 (99.1%) exact matches, in which:  
7039 unique CDR3  
13 unique J



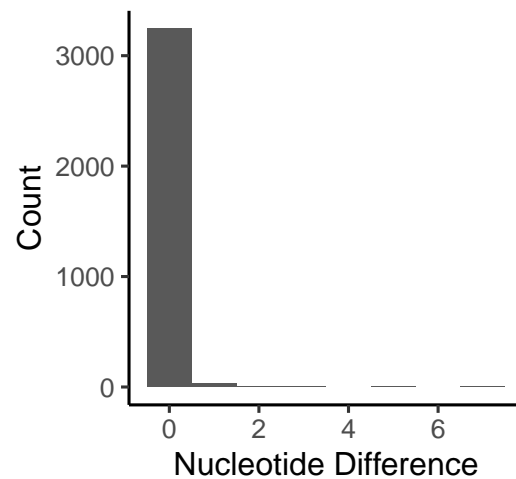
### TRBV5-7\*ap01

145 sequences assigned  
144 (99.3%) exact matches, in which:  
141 unique CDR3  
13 unique J



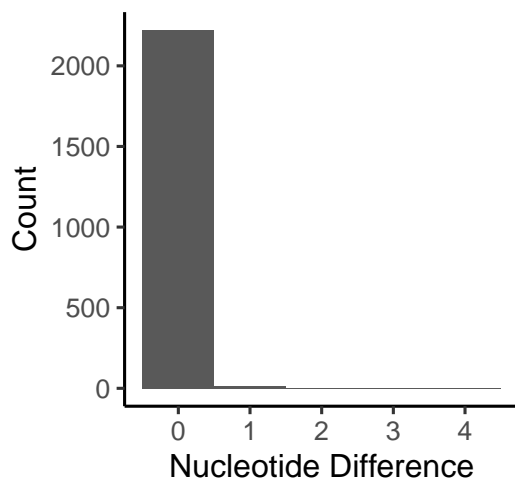
### TRBV6-4\*ap01

3289 sequences assigned  
3244 (98.6%) exact matches, in which:  
3185 unique CDR3  
13 unique J



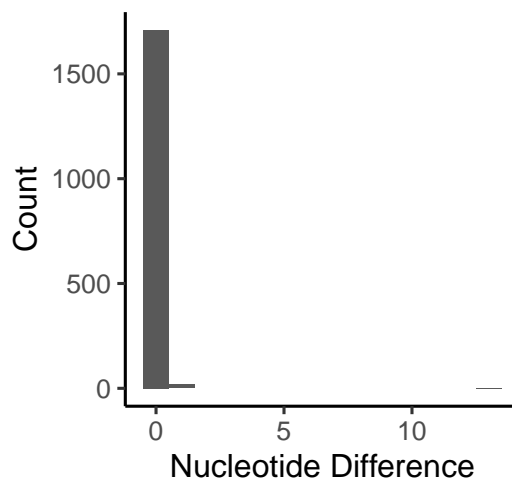
### TRBV5-5\*ap01

2238 sequences assigned  
2222 (99.3%) exact matches, in which:  
2198 unique CDR3  
13 unique J



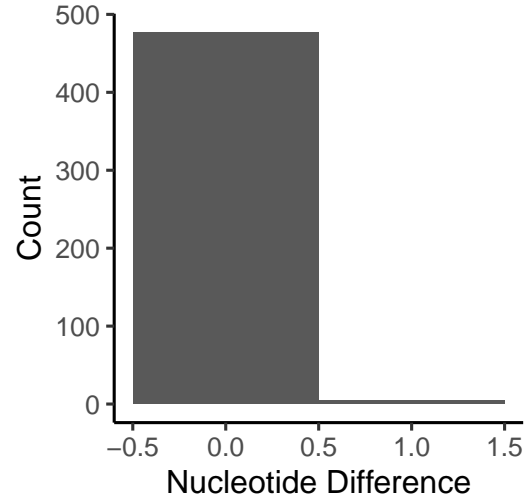
### TRBV5-8\*ap01

1730 sequences assigned  
1709 (98.8%) exact matches, in which:  
1693 unique CDR3  
13 unique J



### TRBV6-7\*ap01

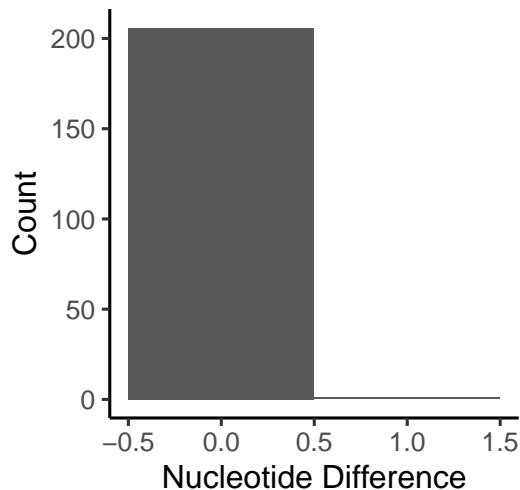
482 sequences assigned  
477 (99%) exact matches, in which:  
462 unique CDR3  
13 unique J





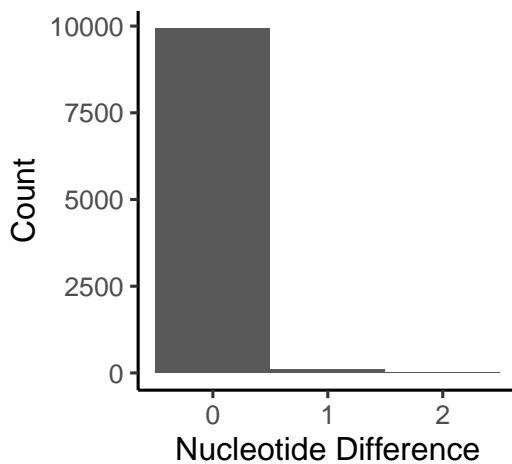
### TRBV6-8\*ap01

207 sequences assigned  
206 (99.5%) exact matches, in which:  
203 unique CDR3  
13 unique J



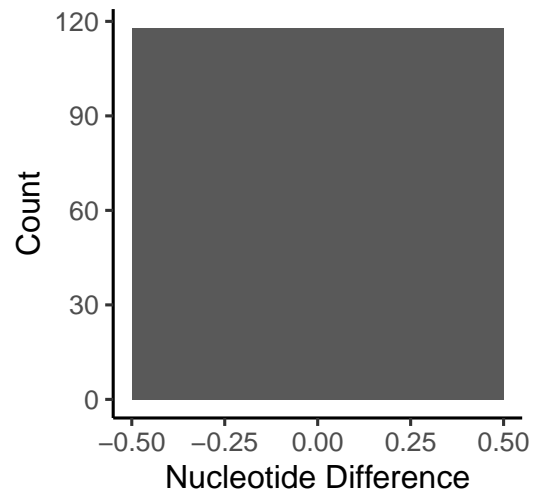
### TRBV6-56\*ap01

10045 sequences assigned  
9940 (99%) exact matches, in which:  
9695 unique CDR3  
13 unique J



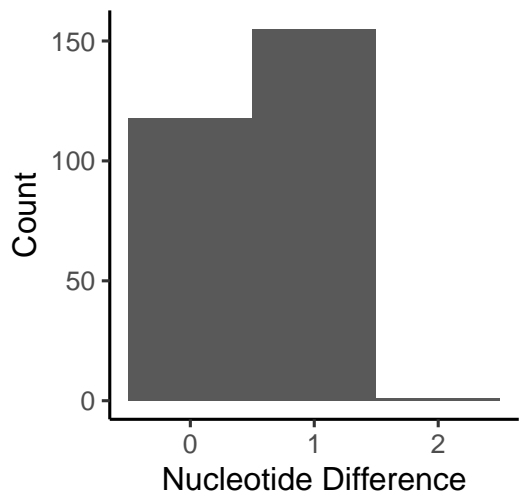
### TRBV7-1\*ap01\_G291C\_

118 sequences assigned  
118 (100%) exact matches, in which:  
117 unique CDR3  
13 unique J



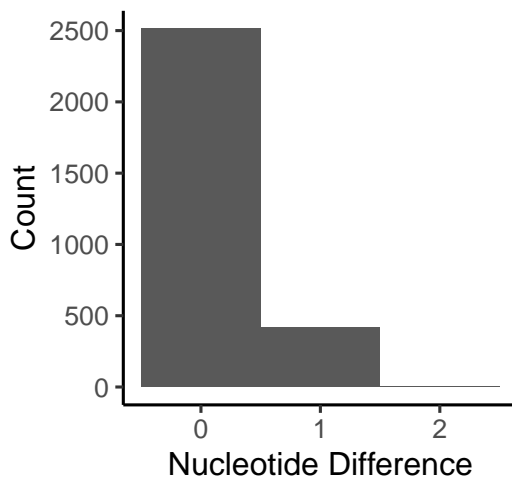
### TRBV6-9\*ap01

274 sequences assigned  
118 (43.1%) exact matches, in which:  
116 unique CDR3  
13 unique J



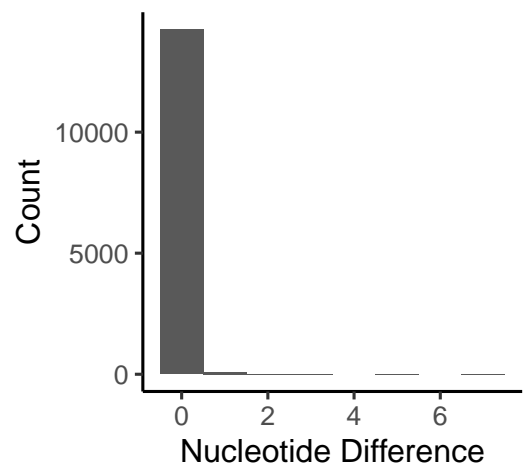
### TRBV6-56\*ap02

2933 sequences assigned  
2513 (85.7%) exact matches, in which:  
2468 unique CDR3  
13 unique J



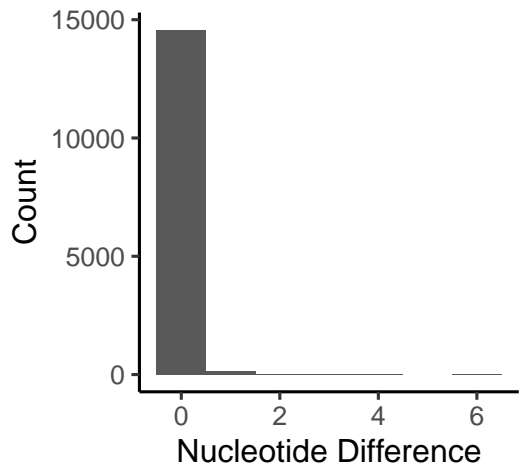
### TRBV7-2\*ap01

14330 sequences assigned  
14241 (99.4%) exact matches, in which:  
14027 unique CDR3  
13 unique J



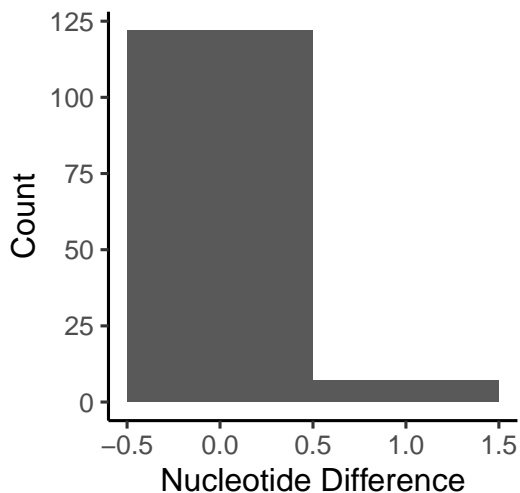
### TRBV6-23\*ap01

14716 sequences assigned  
14573 (99%) exact matches, in which:  
14230 unique CDR3  
13 unique J



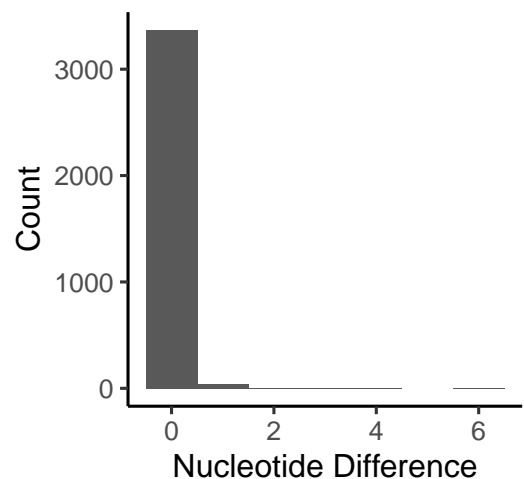
### TRBV7-1\*ap01\_G291C\_

129 sequences assigned  
122 (94.6%) exact matches, in which:  
120 unique CDR3  
13 unique J



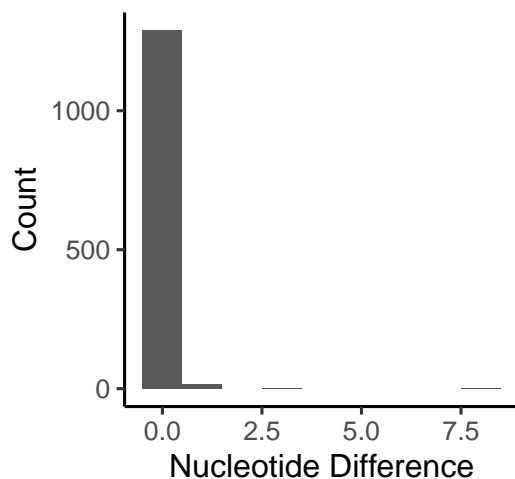
### TRBV7-3\*ap01

3411 sequences assigned  
3368 (98.7%) exact matches, in which:  
3314 unique CDR3  
13 unique J



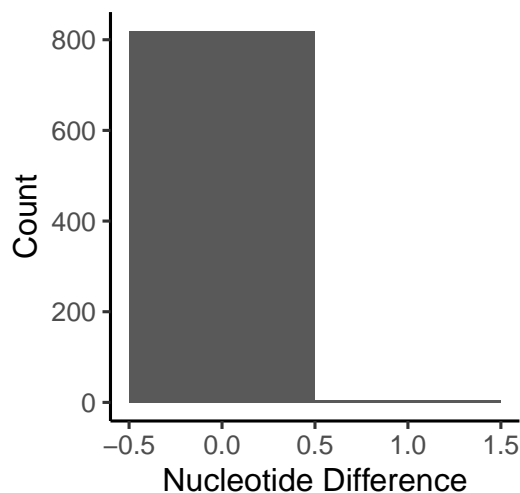
### TRBV7-3\*ap02

1307 sequences assigned  
1289 (98.6%) exact matches, in which:  
1275 unique CDR3  
13 unique J



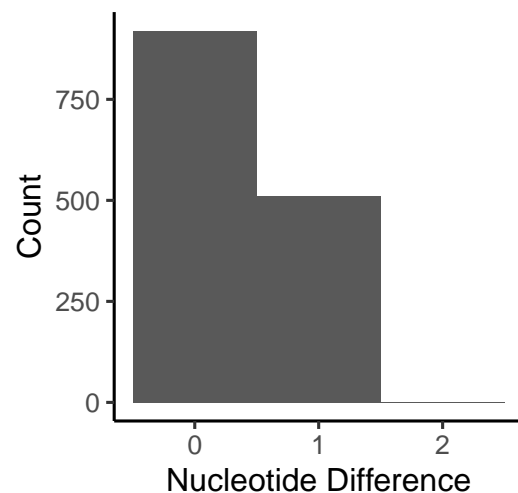
### TRBV7-7\*ap01

826 sequences assigned  
820 (99.3%) exact matches, in which:  
806 unique CDR3  
13 unique J



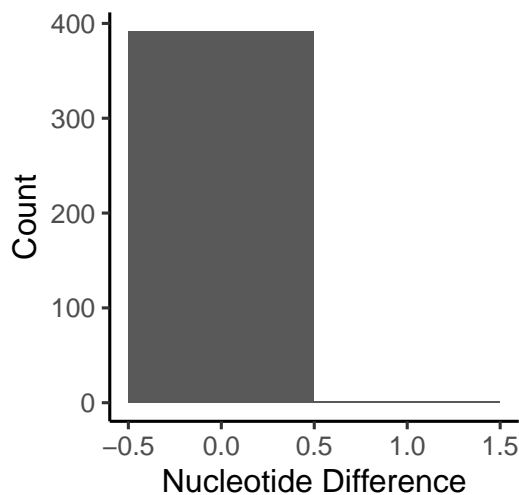
### TRBV7-8\*ap03

1432 sequences assigned  
920 (64.2%) exact matches, in which:  
899 unique CDR3  
13 unique J



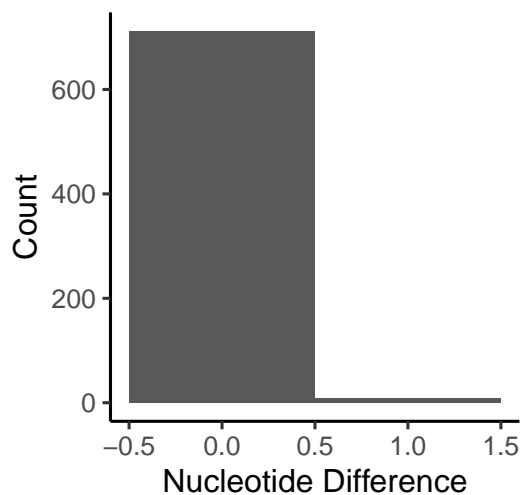
### TRBV7-4\*ap01

394 sequences assigned  
392 (99.5%) exact matches, in which:  
388 unique CDR3  
13 unique J



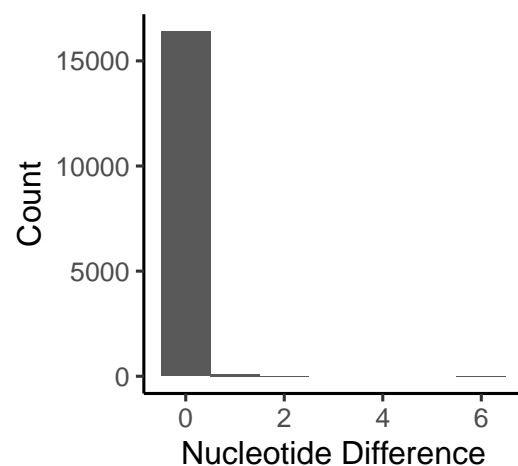
### TRBV7-7\*ap01\_C315T

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



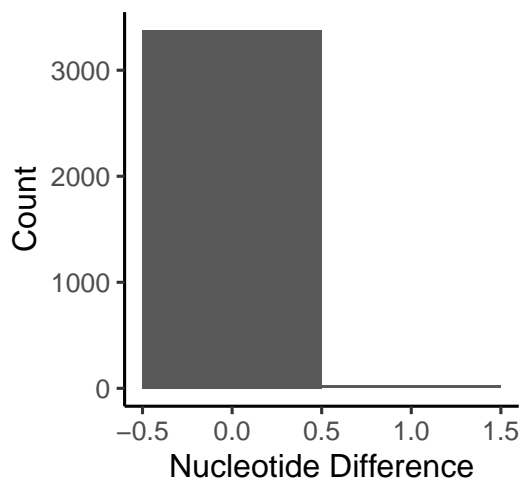
### TRBV7-9\*ap01

16501 sequences assigned  
16400 (99.4%) exact matches, in which:  
16200 unique CDR3  
13 unique J



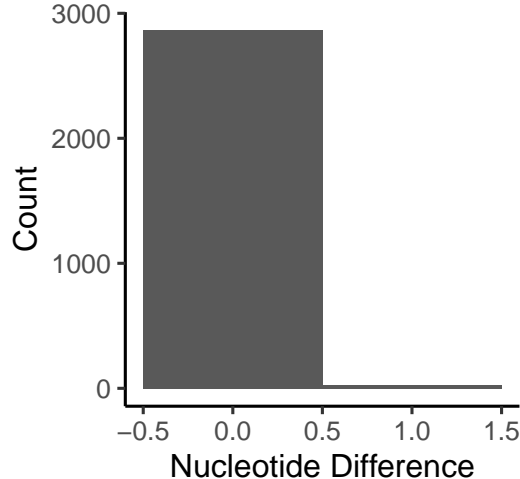
### TRBV7-6\*ap01

3405 sequences assigned  
3379 (99.2%) exact matches, in which:  
3317 unique CDR3  
13 unique J



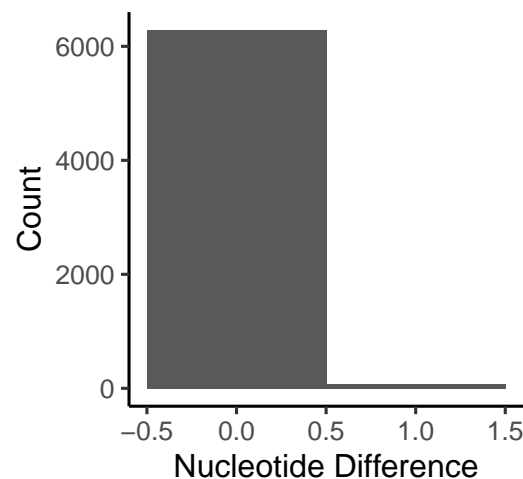
### TRBV7-8\*ap01

2892 sequences assigned  
2866 (99.1%) exact matches, in which:  
2809 unique CDR3  
13 unique J



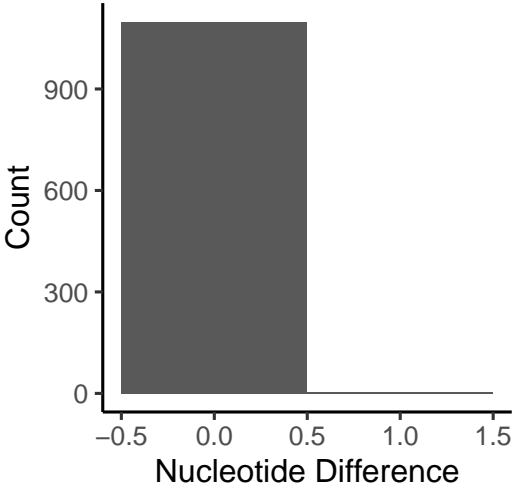
### TRBV29-1\*ap01

6359 sequences assigned  
6286 (98.9%) exact matches, in which:  
6155 unique CDR3  
13 unique J

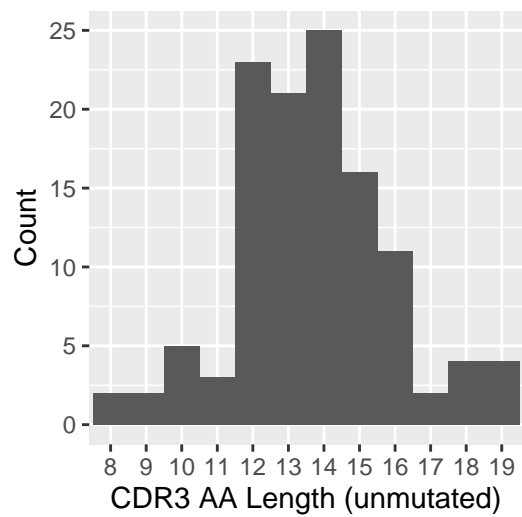


# TRBV29-1\*ap02

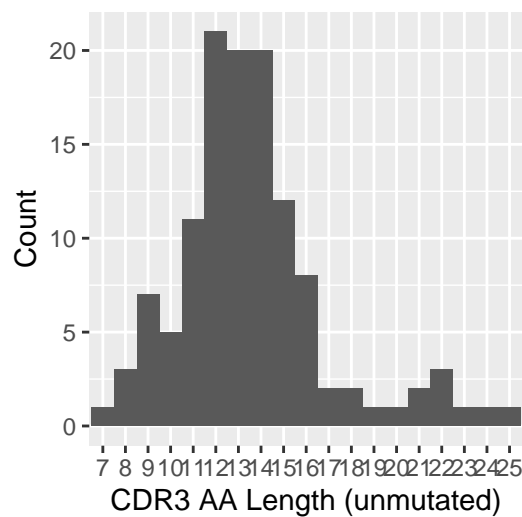
1104 sequences assigned  
1099 (99.5%) exact matches, in which:  
1077 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

