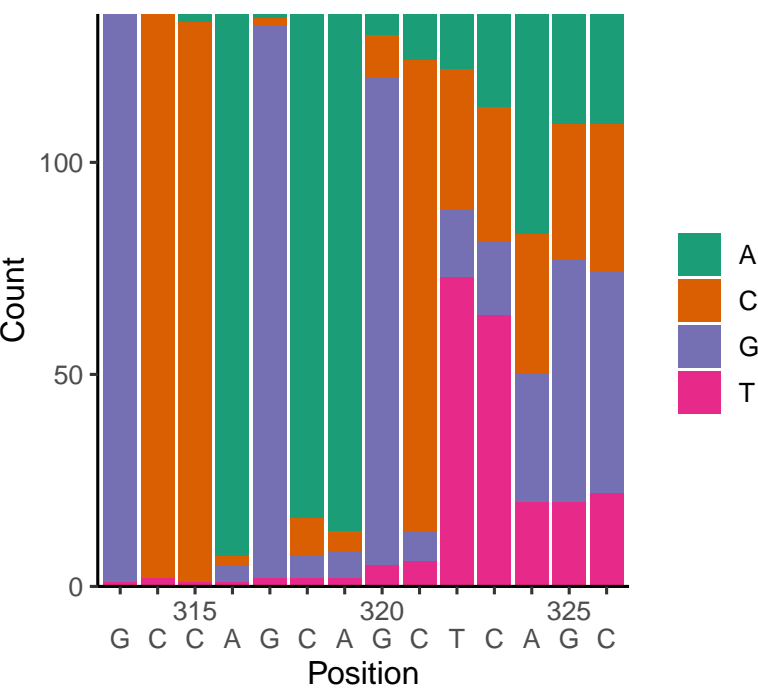
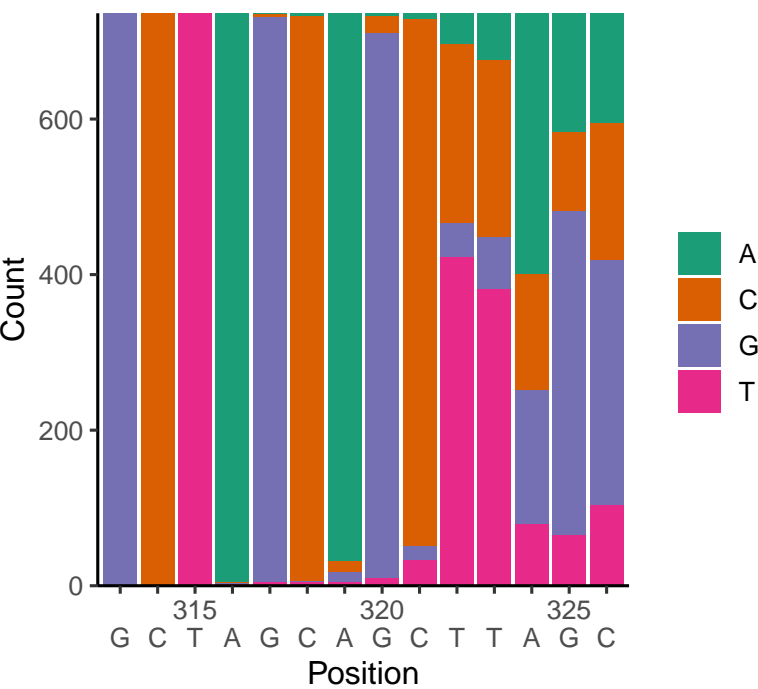


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



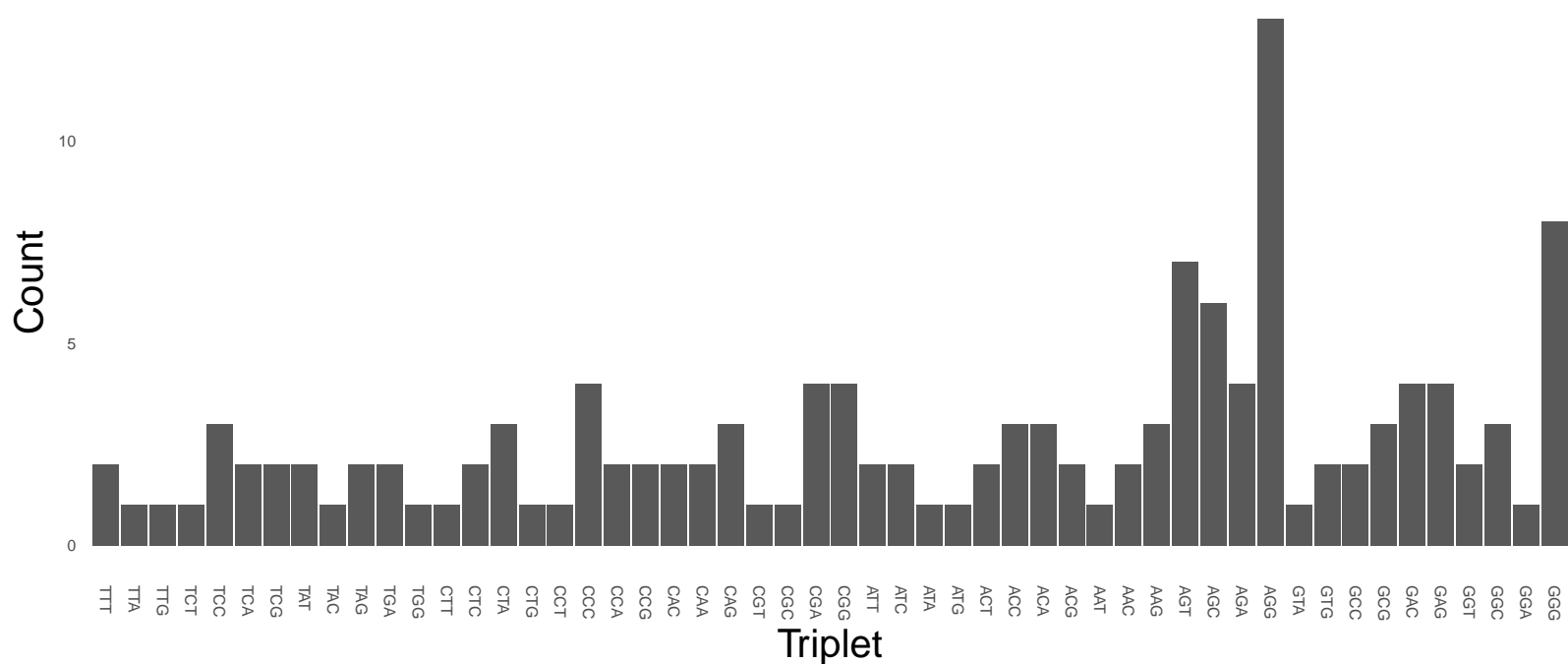
Gene TRBV7-1\*ap01\_G291C\_T296C



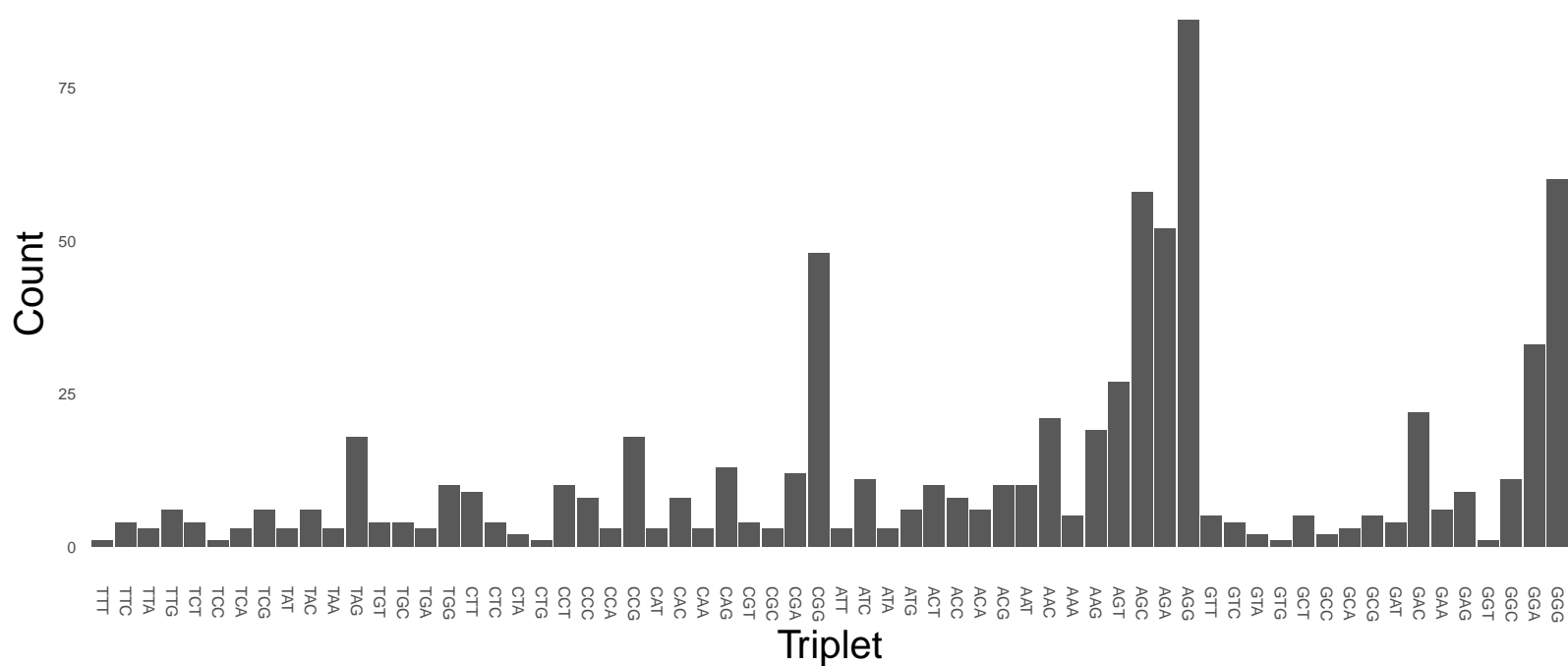
Gene TRBV7-7\*ap01\_C315T



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

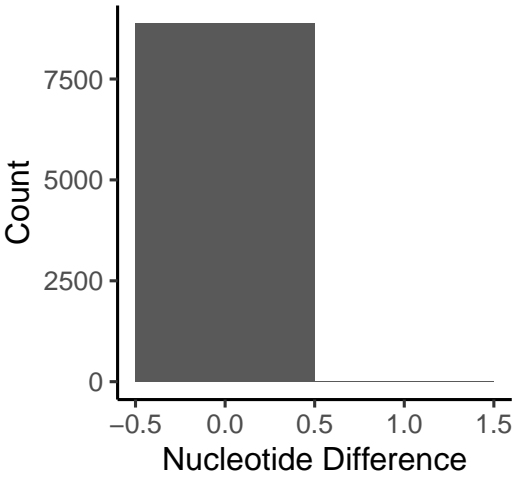


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



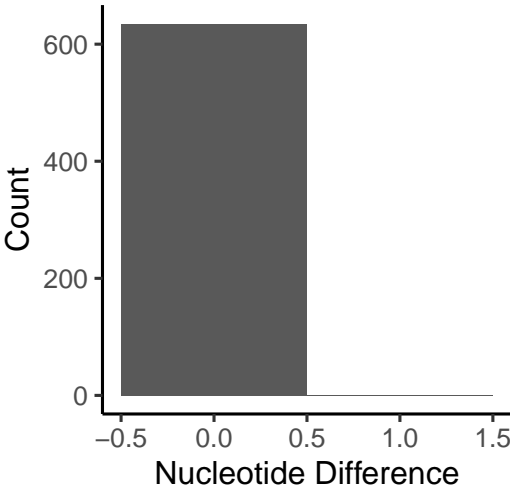
TRBV20-1\*ap01

8897 sequences assigned  
8878 (99.8%) exact matches, in which:  
8876 unique CDR3  
13 unique J



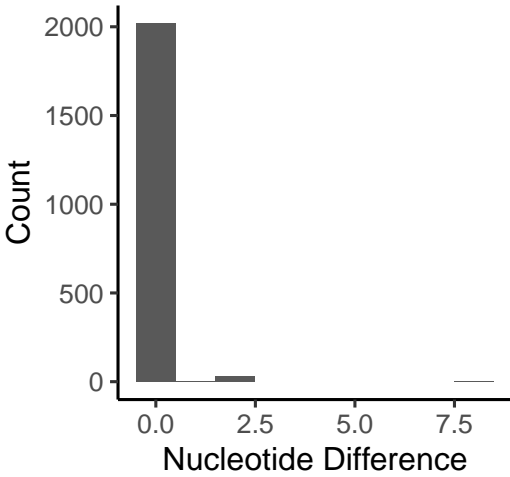
TRBV10-2\*ap01

636 sequences assigned  
635 (99.8%) exact matches, in which:  
635 unique CDR3  
13 unique J



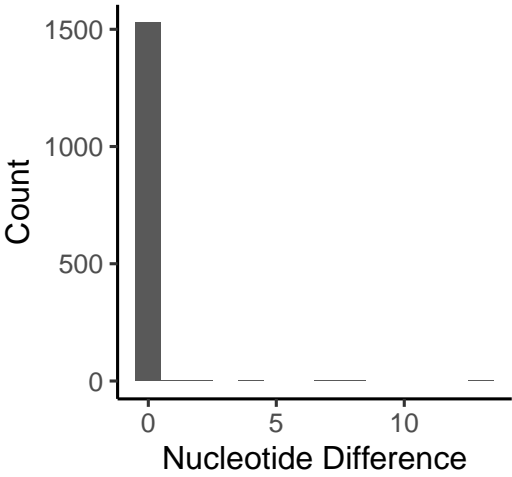
TRBV13\*ap01

2054 sequences assigned  
2019 (98.3%) exact matches, in which:  
2019 unique CDR3  
13 unique J



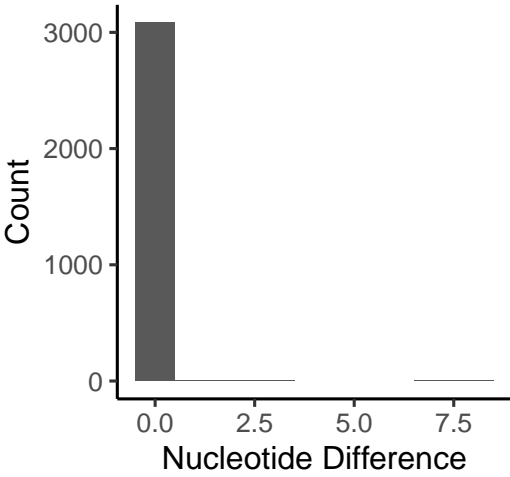
TRBV10-1\*ap01

1539 sequences assigned  
1528 (99.3%) exact matches, in which:  
1528 unique CDR3  
13 unique J



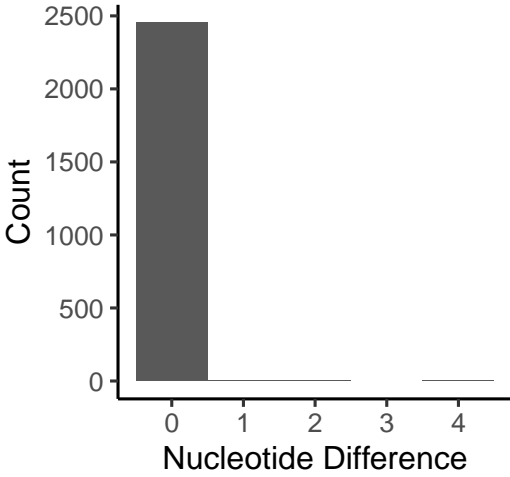
TRBV10-3\*ap01

3091 sequences assigned  
3083 (99.7%) exact matches, in which:  
3081 unique CDR3  
13 unique J



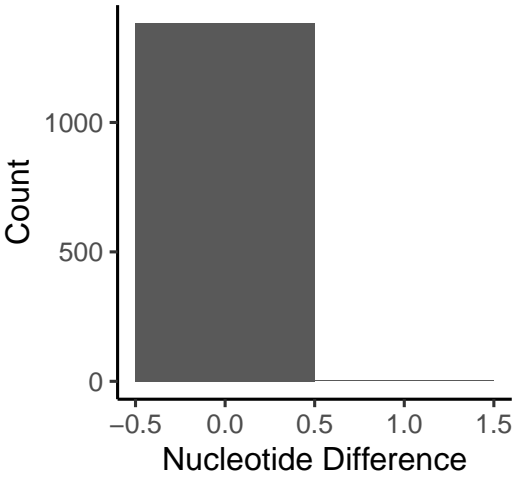
TRBV14\*ap01

2457 sequences assigned  
2453 (99.8%) exact matches, in which:  
2451 unique CDR3  
13 unique J



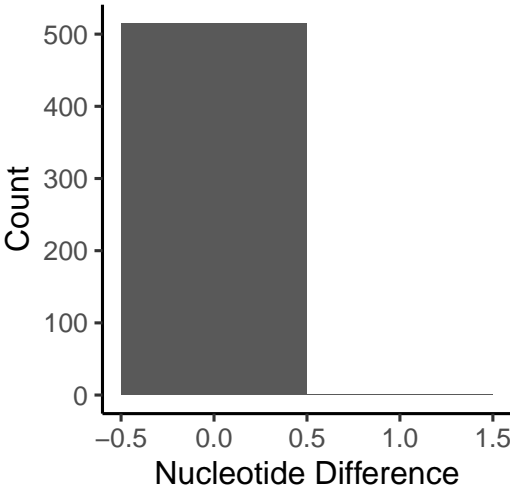
TRBV20-1\*ap02

1387 sequences assigned  
1384 (99.8%) exact matches, in which:  
1383 unique CDR3  
13 unique J



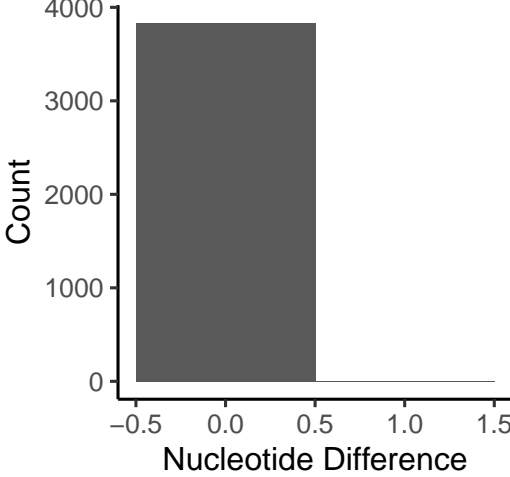
TRBV1\*ap01

516 sequences assigned  
515 (99.8%) exact matches, in which:  
515 unique CDR3  
13 unique J



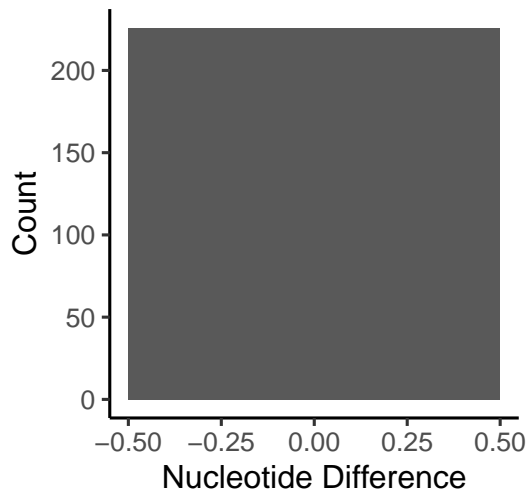
TRBV15\*ap02

3835 sequences assigned  
3832 (99.9%) exact matches, in which:  
3831 unique CDR3  
13 unique J



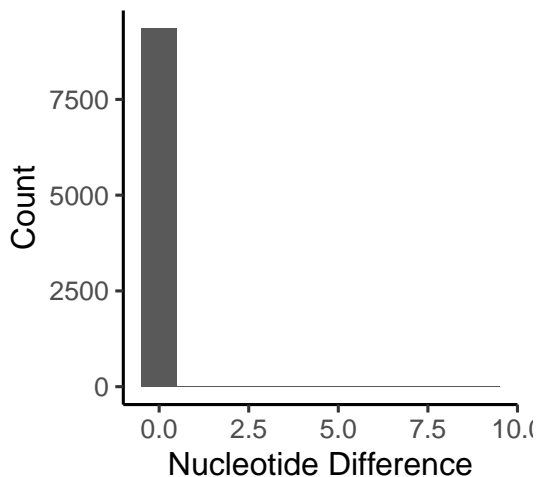
### TRBV16\*ap01

226 sequences assigned  
226 (100%) exact matches, in which:  
226 unique CDR3  
13 unique J



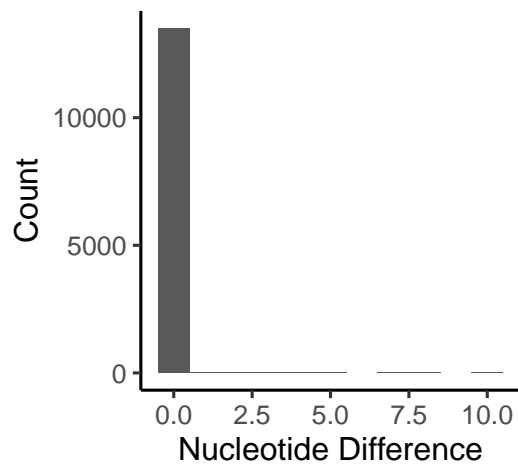
### TRBV19\*ap01

9393 sequences assigned  
9354 (99.6%) exact matches, in which:  
9353 unique CDR3  
13 unique J



### TRBV27\*ap01

13553 sequences assigned  
13507 (99.7%) exact matches, in which:  
13466 unique CDR3  
13 unique J



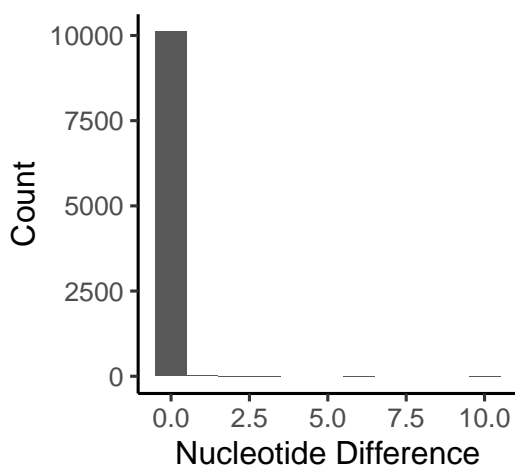
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



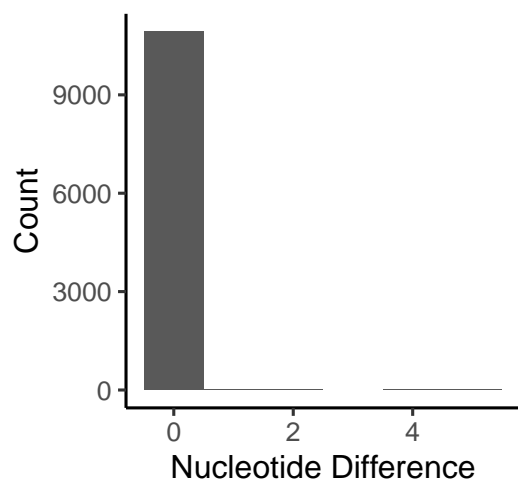
### TRBV2\*ap01

10150 sequences assigned  
10118 (99.7%) exact matches, in which:  
10099 unique CDR3  
13 unique J



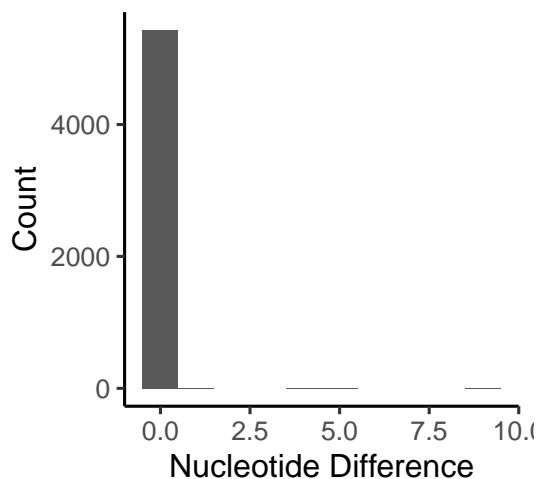
### TRBV28\*ap01

10943 sequences assigned  
10925 (99.8%) exact matches, in which:  
10922 unique CDR3  
13 unique J



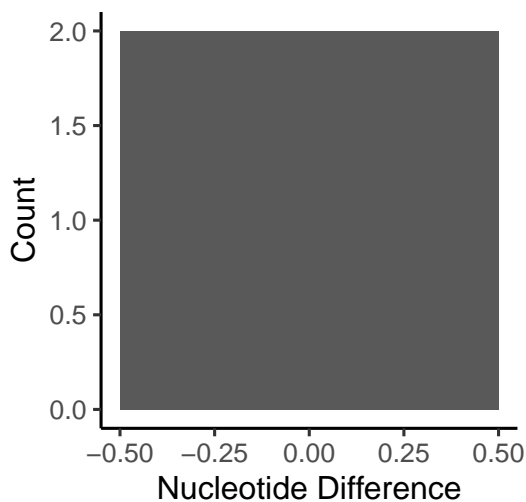
### TRBV18\*ap01

5442 sequences assigned  
5432 (99.8%) exact matches, in which:  
5432 unique CDR3  
13 unique J



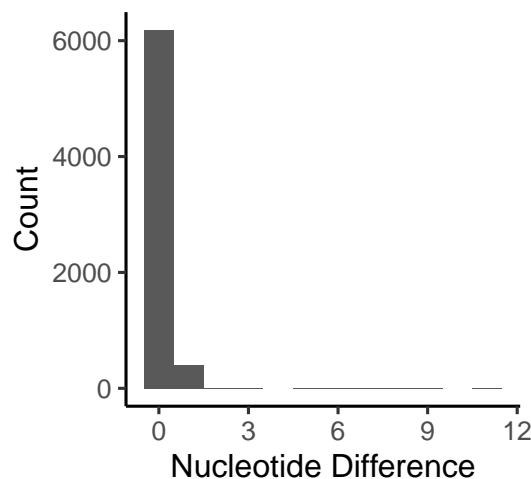
### TRBV26\*ap01

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



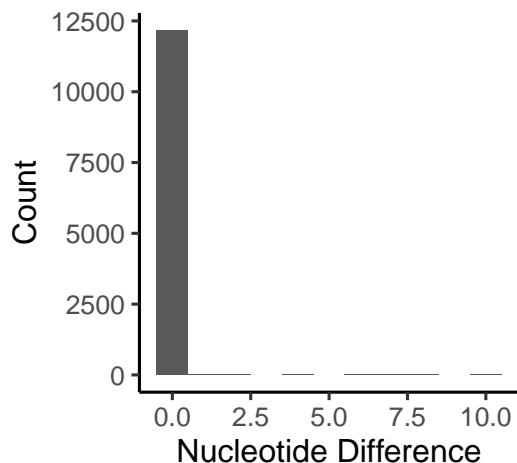
### TRBV30\*ap01

6600 sequences assigned  
6183 (93.7%) exact matches, in which:  
6172 unique CDR3  
13 unique J



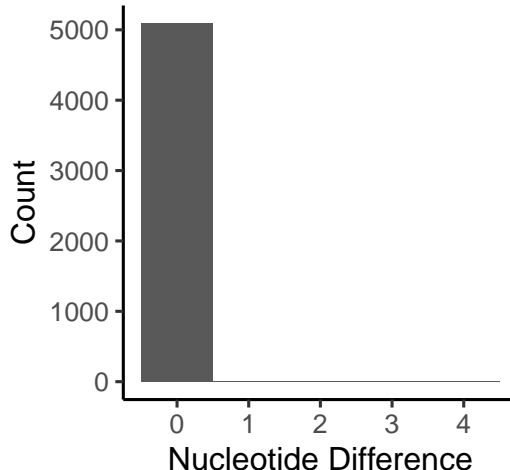
### TRBV9\*ap01

12199 sequences assigned  
12174 (99.8%) exact matches, in which:  
12168 unique CDR3  
13 unique J



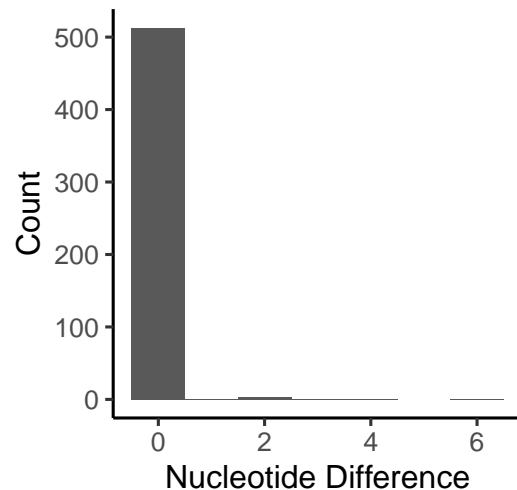
### TRBV11-2\*ap01

5102 sequences assigned  
5091 (99.8%) exact matches, in which:  
5091 unique CDR3  
13 unique J



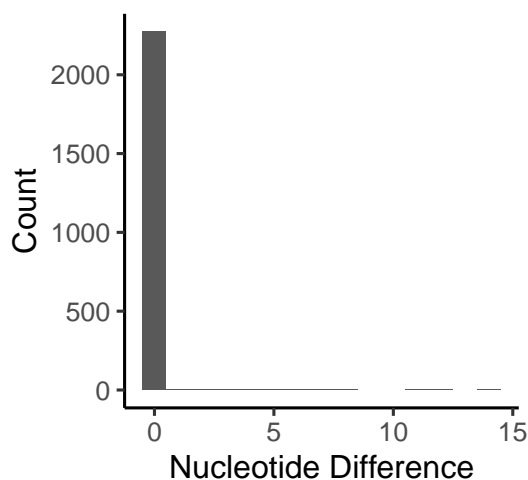
### TRBV12-2\*ap01

520 sequences assigned  
513 (98.7%) exact matches, in which:  
512 unique CDR3  
13 unique J



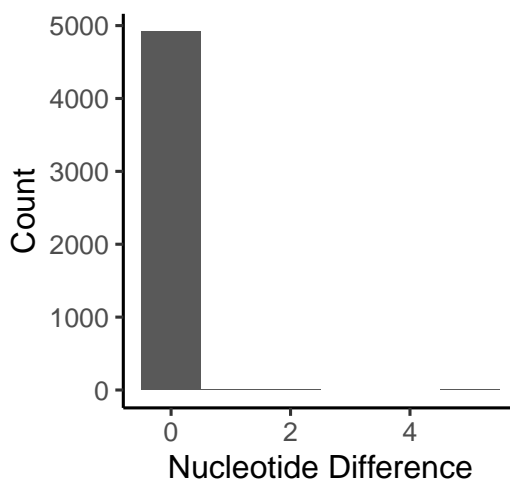
### TRBV21-1\*ap01

2306 sequences assigned  
2273 (98.6%) exact matches, in which:  
2272 unique CDR3  
13 unique J



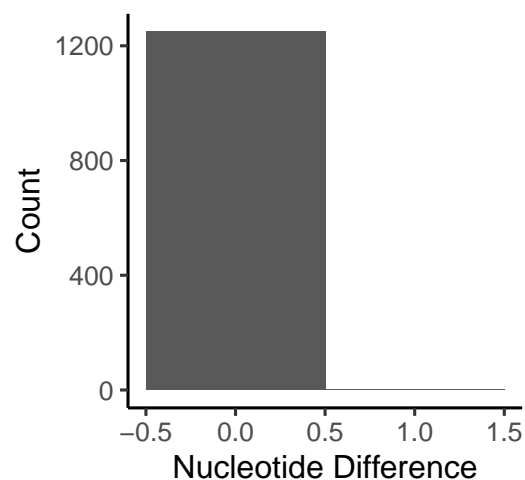
### TRBV11-3\*ap01

4927 sequences assigned  
4916 (99.8%) exact matches, in which:  
4914 unique CDR3  
13 unique J



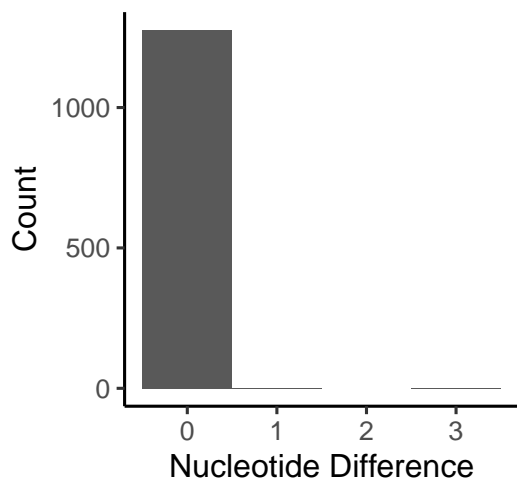
### TRBV12-5\*ap01

1251 sequences assigned  
1249 (99.8%) exact matches, in which:  
1248 unique CDR3  
13 unique J



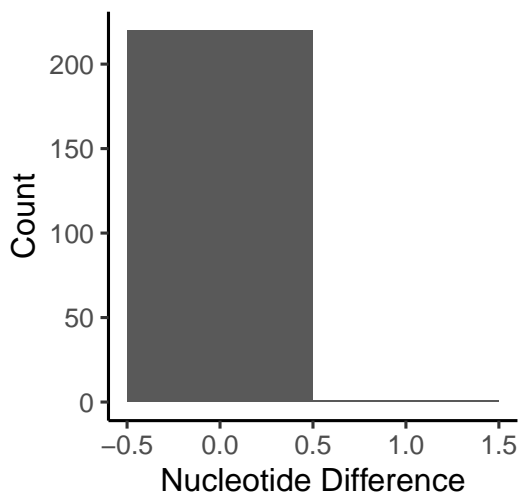
### TRBV11-1\*ap01

1279 sequences assigned  
1276 (99.8%) exact matches, in which:  
1276 unique CDR3  
13 unique J



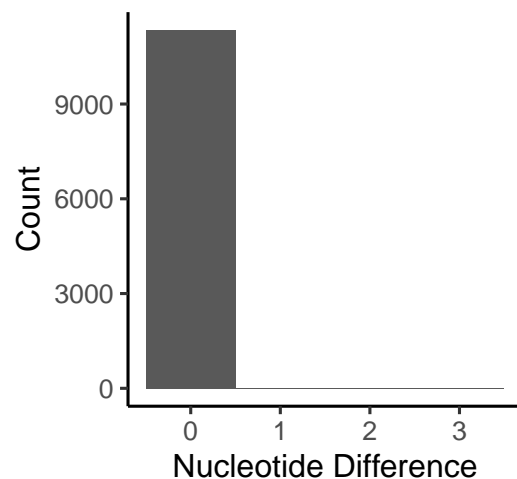
### TRBV12-1\*ap01

221 sequences assigned  
220 (99.5%) exact matches, in which:  
220 unique CDR3  
13 unique J



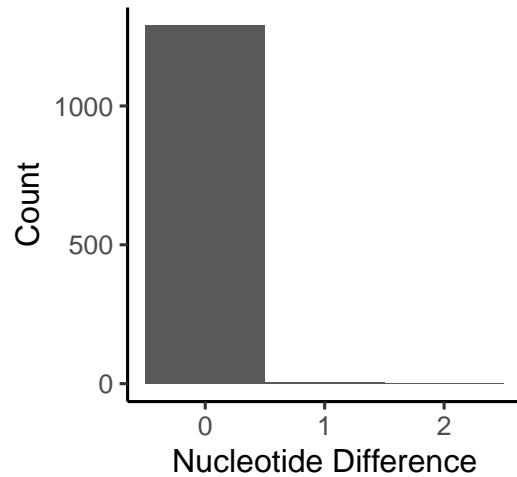
### TRBV12-34\*ap01

11361 sequences assigned  
11342 (99.8%) exact matches, in which:  
11341 unique CDR3  
13 unique J



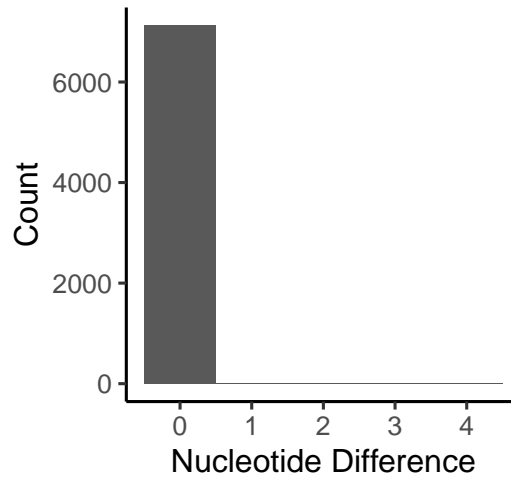
### TRBV23-1\*ap01

1296 sequences assigned  
1290 (99.5%) exact matches, in which:  
1289 unique CDR3  
13 unique J



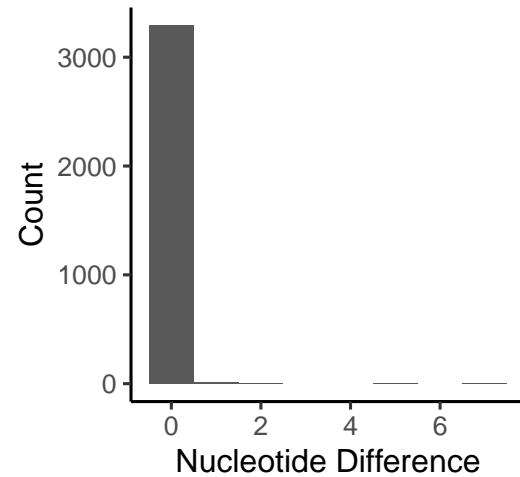
### TRBV4-1\*ap01

7144 sequences assigned  
7126 (99.7%) exact matches, in which:  
7124 unique CDR3  
13 unique J



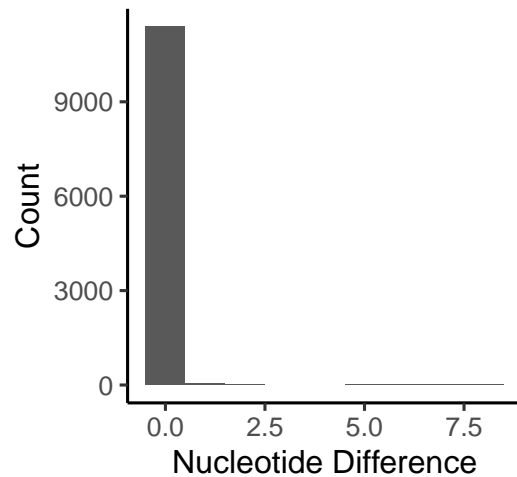
### TRBV25-1\*ap01

3309 sequences assigned  
3292 (99.5%) exact matches, in which:  
3285 unique CDR3  
13 unique J



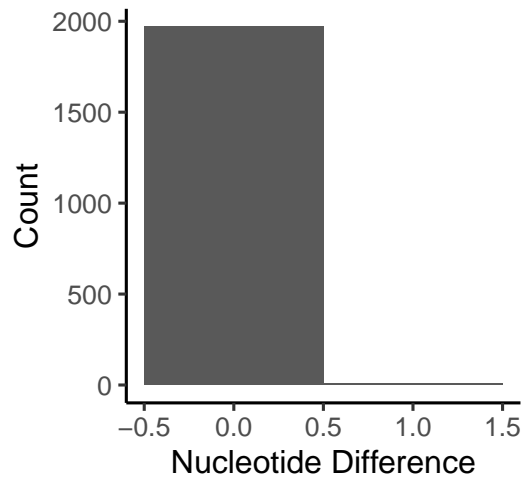
### TRBV3-12\*ap01

11430 sequences assigned  
11386 (99.6%) exact matches, in which:  
11360 unique CDR3  
13 unique J



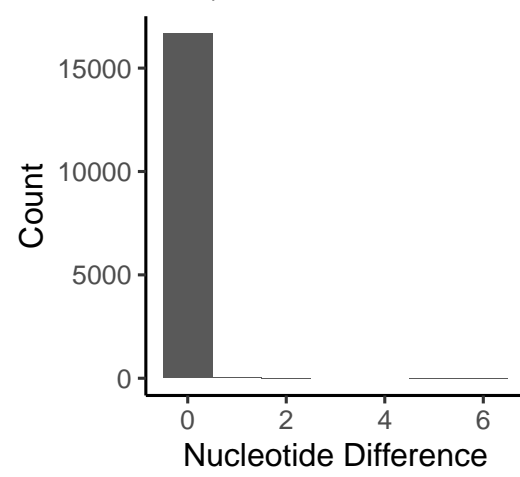
### TRBV4-2\*ap01

1976 sequences assigned  
1970 (99.7%) exact matches, in which:  
1970 unique CDR3  
13 unique J



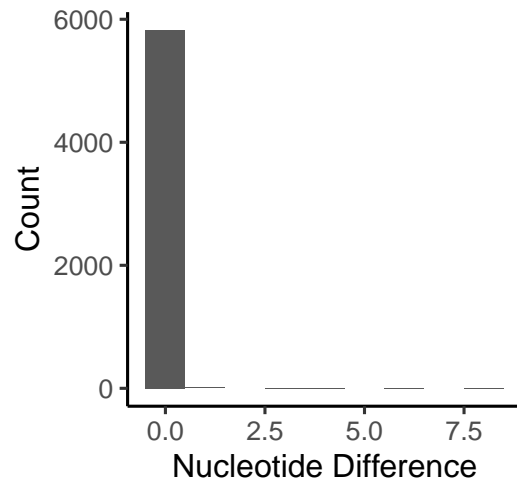
### TRBV5-1\*ap01

16704 sequences assigned  
16676 (99.8%) exact matches, in which:  
16659 unique CDR3  
13 unique J



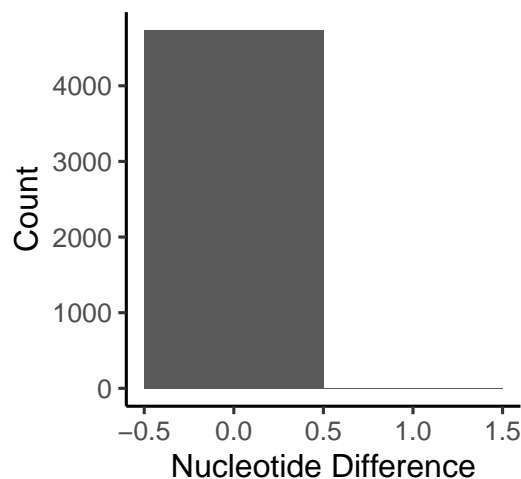
### TRBV24-1\*ap01

5845 sequences assigned  
5825 (99.7%) exact matches, in which:  
5807 unique CDR3  
13 unique J



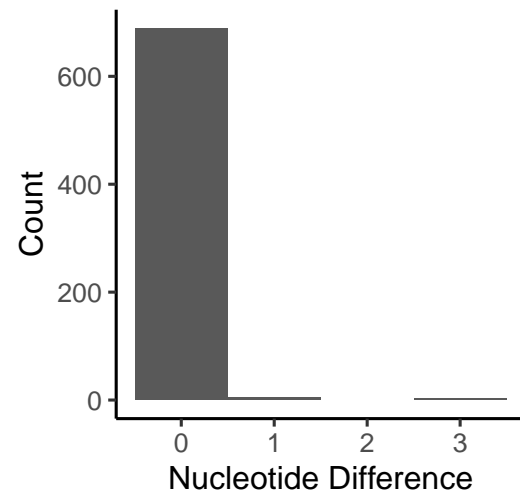
### TRBV4-3\*ap01

4743 sequences assigned  
4737 (99.9%) exact matches, in which:  
4734 unique CDR3  
13 unique J



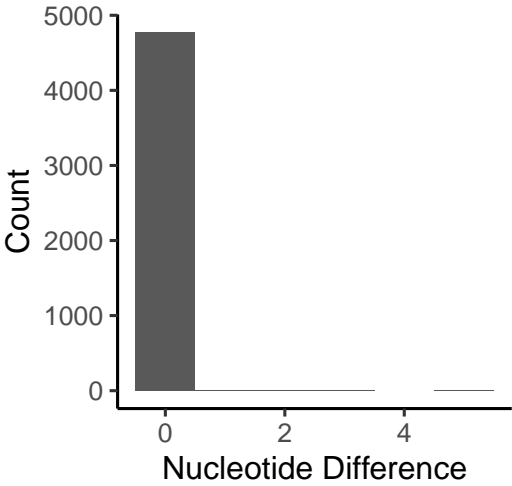
### TRBV5-3\*ap01

696 sequences assigned  
689 (99%) exact matches, in which:  
689 unique CDR3  
13 unique J



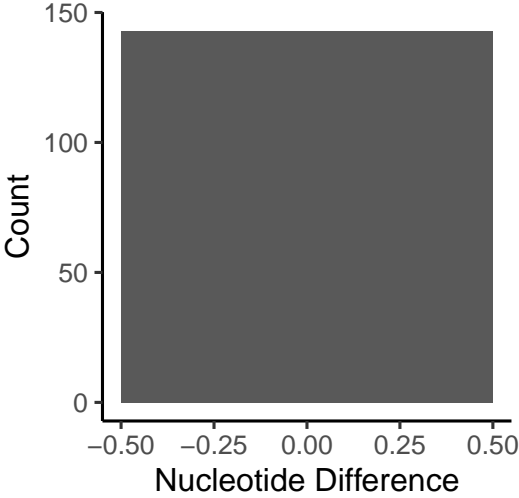
TRBV5-4\*ap01

4785 sequences assigned  
4772 (99.7%) exact matches, in which:  
4772 unique CDR3  
13 unique J



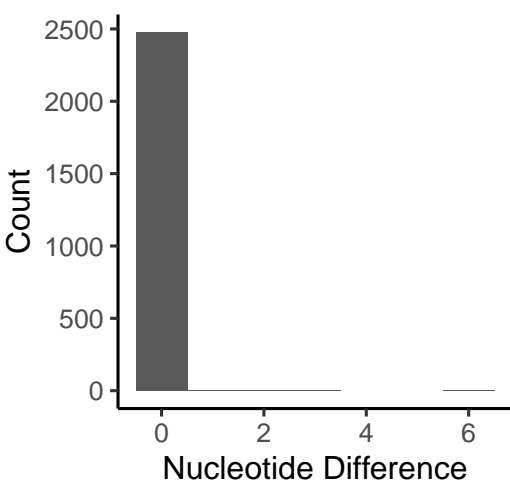
TRBV5-7\*ap01

143 sequences assigned  
143 (100%) exact matches, in which:  
143 unique CDR3  
13 unique J



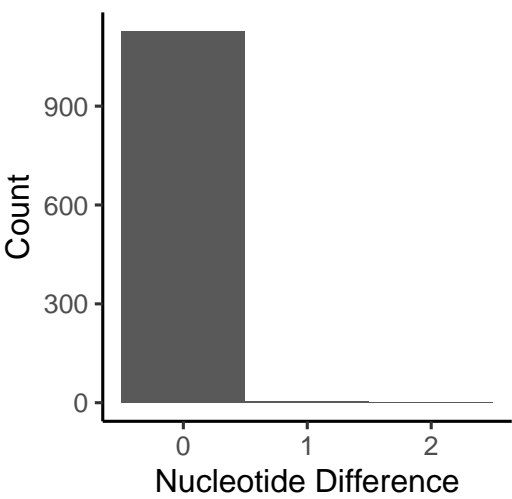
TRBV6-4\*ap01

2491 sequences assigned  
2476 (99.4%) exact matches, in which:  
2474 unique CDR3  
13 unique J



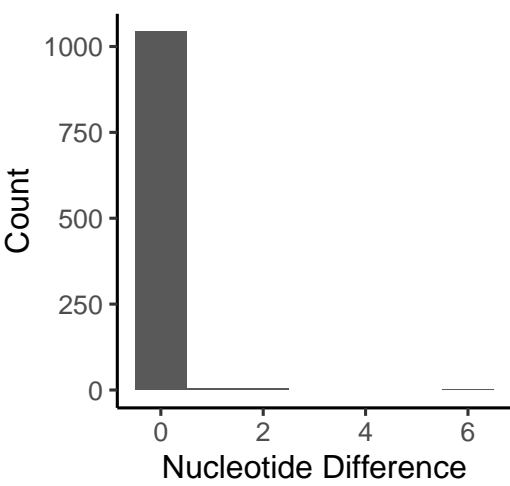
TRBV5-5\*ap01

1133 sequences assigned  
1128 (99.6%) exact matches, in which:  
1128 unique CDR3  
13 unique J



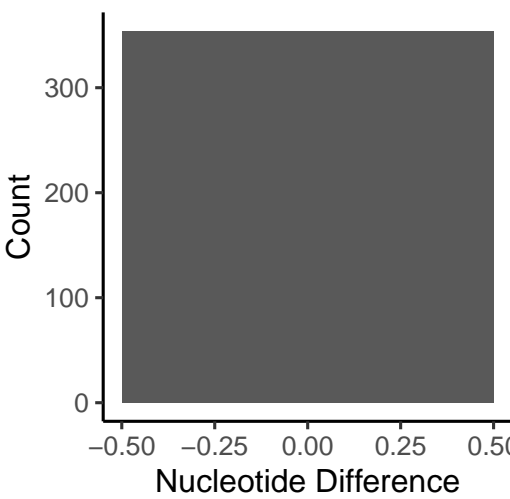
TRBV5-8\*ap01

1052 sequences assigned  
1043 (99.1%) exact matches, in which:  
1043 unique CDR3  
13 unique J



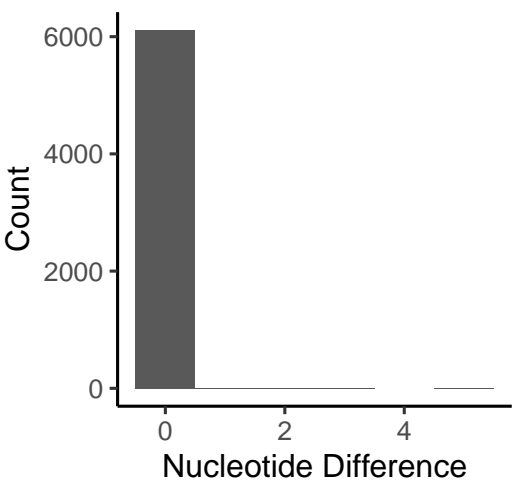
TRBV6-7\*ap01

354 sequences assigned  
354 (100%) exact matches, in which:  
354 unique CDR3  
13 unique J



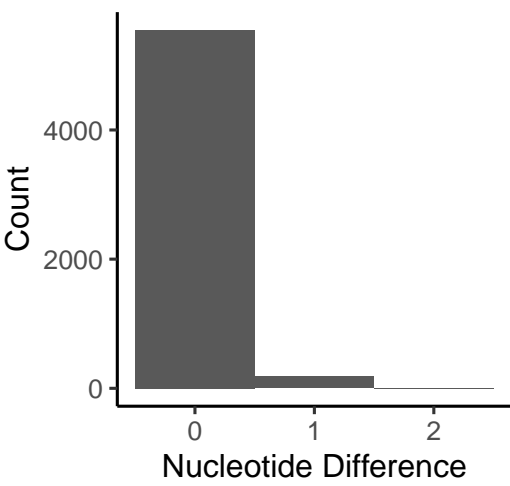
TRBV5-6\*ap01

6126 sequences assigned  
6113 (99.8%) exact matches, in which:  
6105 unique CDR3  
13 unique J



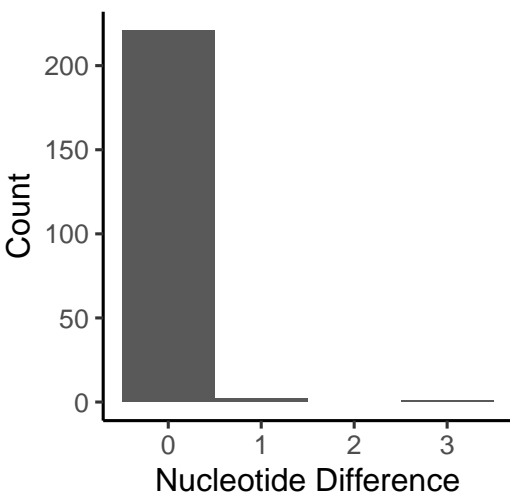
TRBV6-1\*ap01

5733 sequences assigned  
5547 (96.8%) exact matches, in which:  
5542 unique CDR3  
13 unique J



TRBV6-8\*ap01

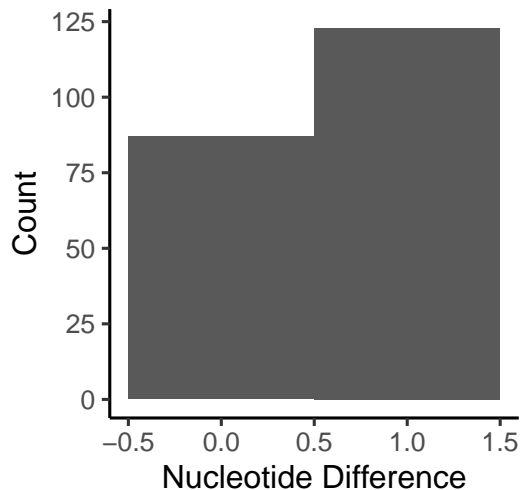
224 sequences assigned  
221 (98.7%) exact matches, in which:  
220 unique CDR3  
13 unique J





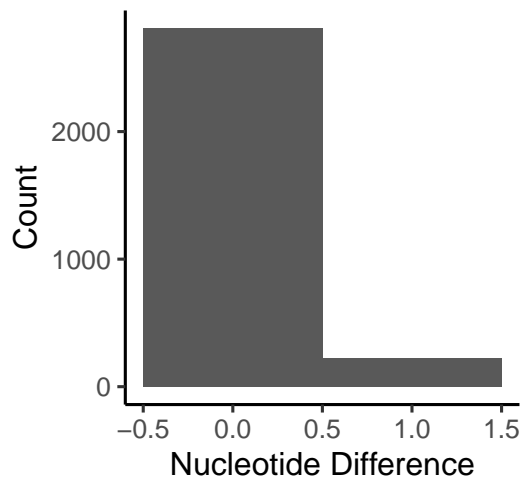
### TRBV6-9\*ap01

210 sequences assigned  
87 (41.4%) exact matches, in which:  
87 unique CDR3  
13 unique J



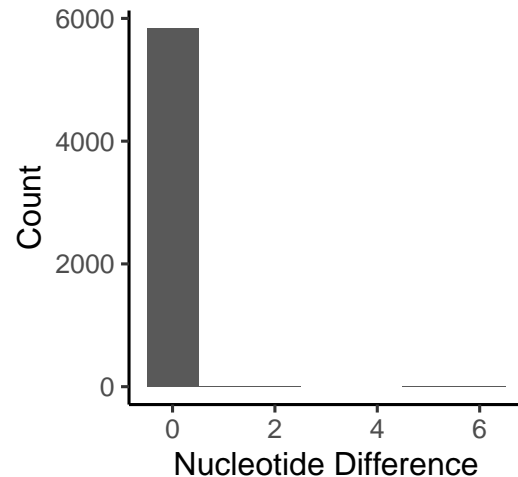
### TRBV6-56\*ap02

3034 sequences assigned  
2809 (92.6%) exact matches, in which:  
2808 unique CDR3  
13 unique J



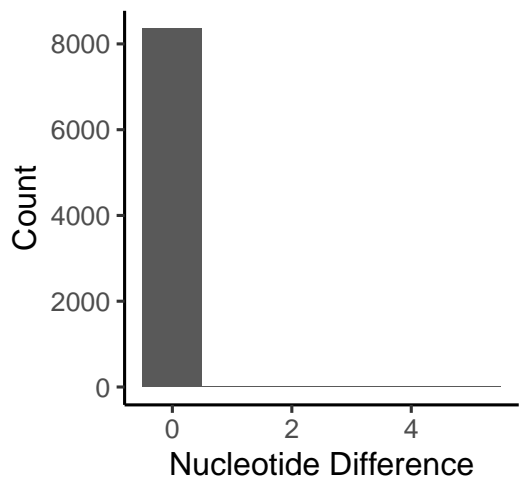
### TRBV7-3\*ap01

5854 sequences assigned  
5837 (99.7%) exact matches, in which:  
5832 unique CDR3  
13 unique J



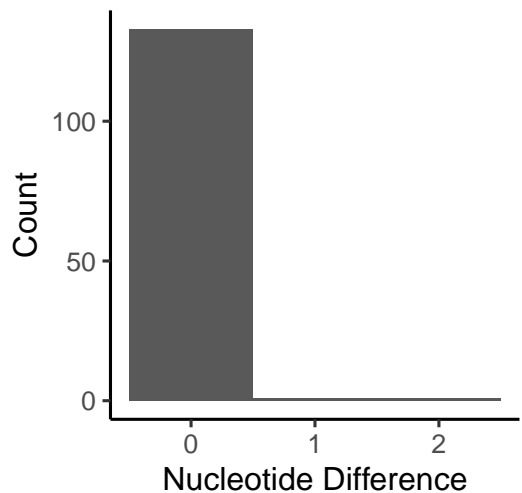
### TRBV6-23\*ap01

8376 sequences assigned  
8354 (99.7%) exact matches, in which:  
8337 unique CDR3  
13 unique J



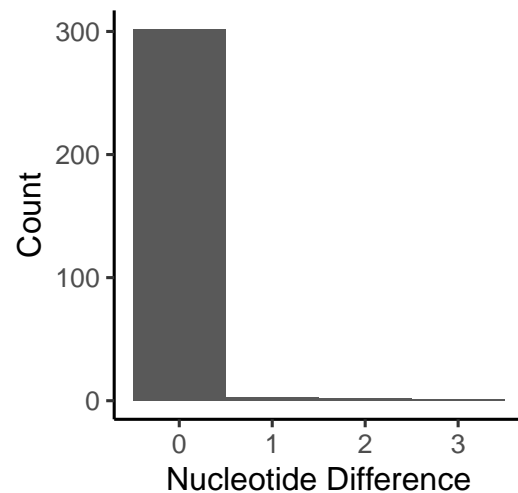
### TRBV7-1\*ap01\_G291C\_

135 sequences assigned  
133 (98.5%) exact matches, in which:  
133 unique CDR3  
13 unique J



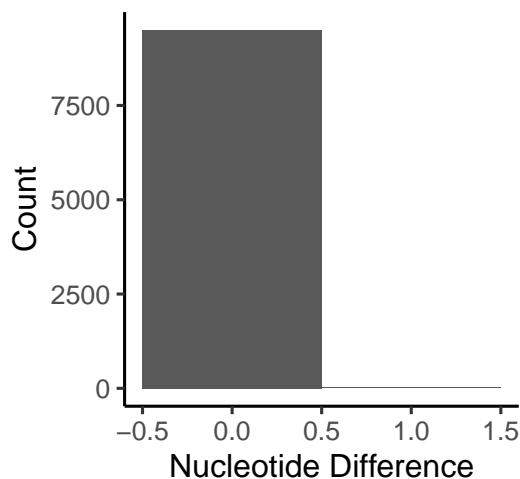
### TRBV7-4\*ap01

308 sequences assigned  
302 (98.1%) exact matches, in which:  
302 unique CDR3  
13 unique J



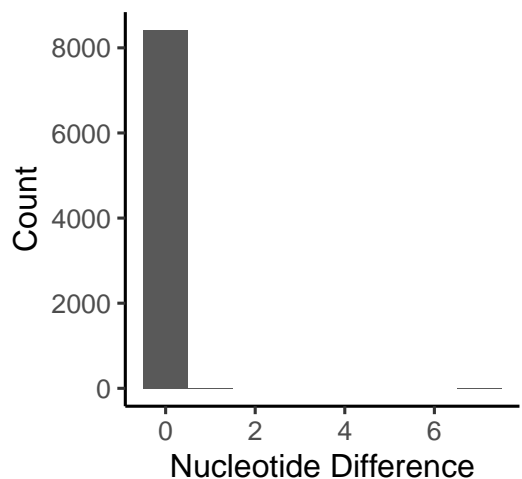
### TRBV6-56\*ap01

9519 sequences assigned  
9500 (99.8%) exact matches, in which:  
9495 unique CDR3  
13 unique J



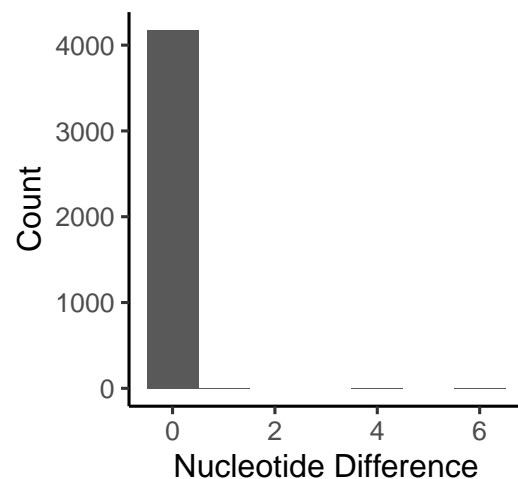
### TRBV7-2\*ap01

8431 sequences assigned  
8418 (99.8%) exact matches, in which:  
8418 unique CDR3  
13 unique J



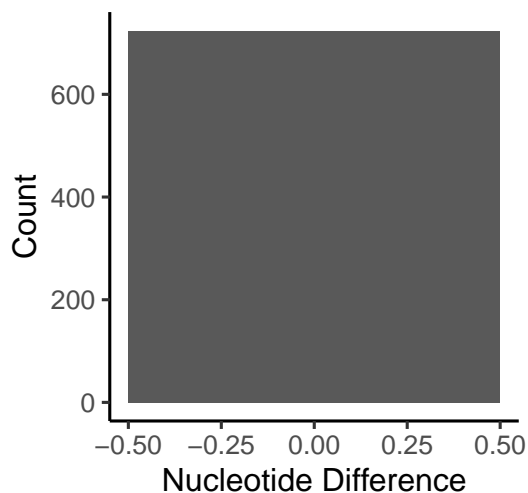
### TRBV7-6\*ap01

4184 sequences assigned  
4176 (99.8%) exact matches, in which:  
4174 unique CDR3  
13 unique J



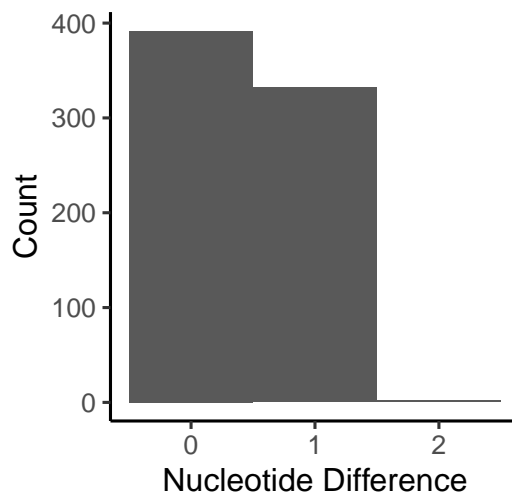
### TRBV7-7\*ap01

724 sequences assigned  
724 (100%) exact matches, in which:  
724 unique CDR3  
13 unique J



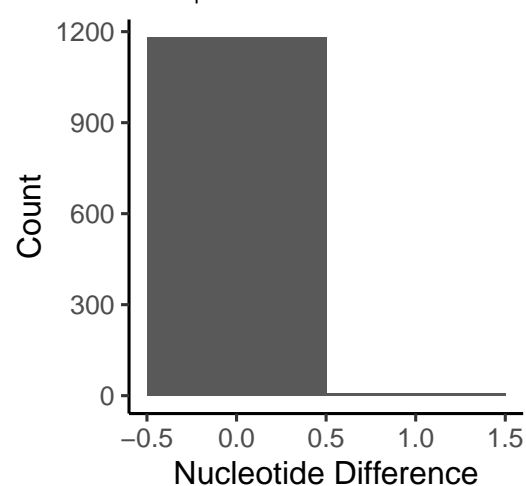
### TRBV7-8\*ap03

726 sequences assigned  
392 (54%) exact matches, in which:  
392 unique CDR3  
13 unique J



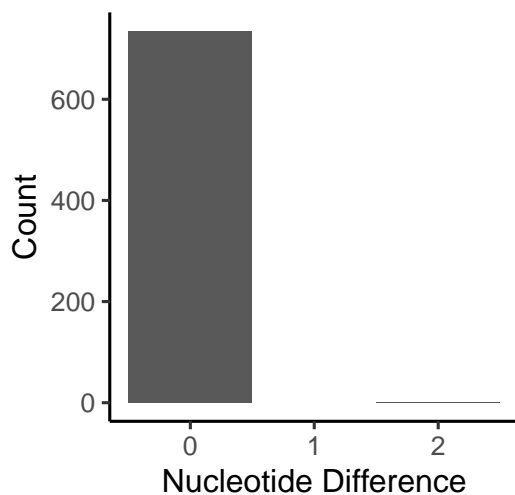
### TRBV29-1\*ap02

1189 sequences assigned  
1181 (99.3%) exact matches, in which:  
1177 unique CDR3  
13 unique J



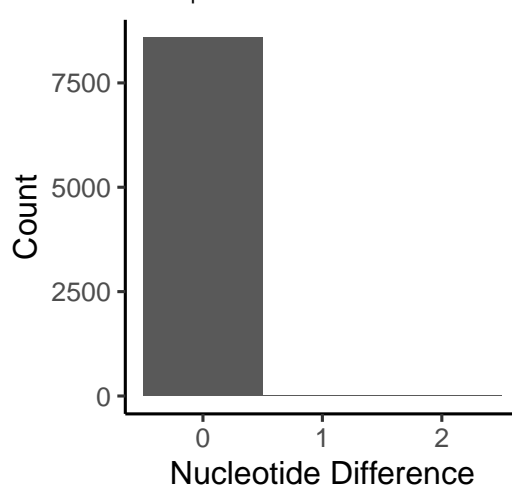
### TRBV7-7\*ap01\_C315T

736 sequences assigned  
735 (99.9%) exact matches, in which:  
734 unique CDR3  
12 unique J



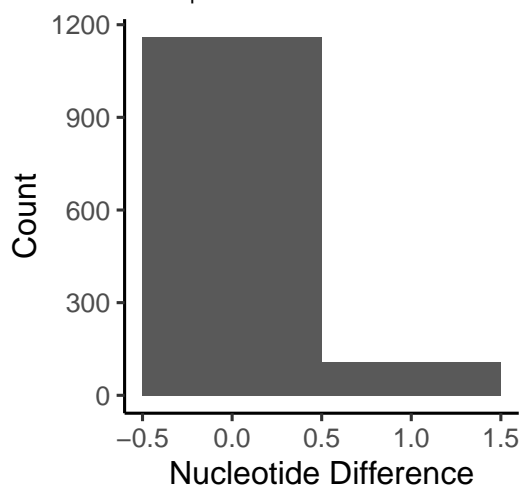
### TRBV7-9\*ap01

8599 sequences assigned  
8582 (99.8%) exact matches, in which:  
8579 unique CDR3  
13 unique J



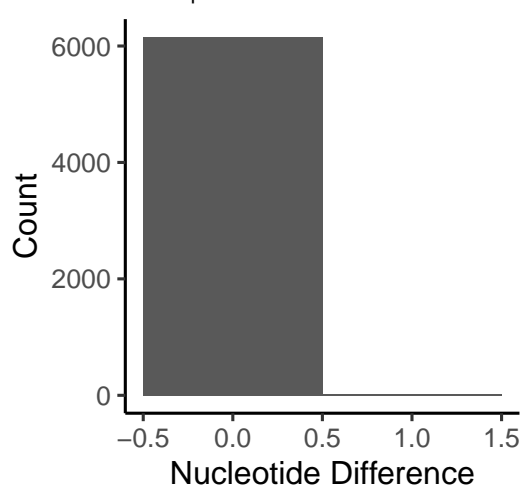
### TRBV7-8\*ap01

1267 sequences assigned  
1160 (91.6%) exact matches, in which:  
1160 unique CDR3  
13 unique J

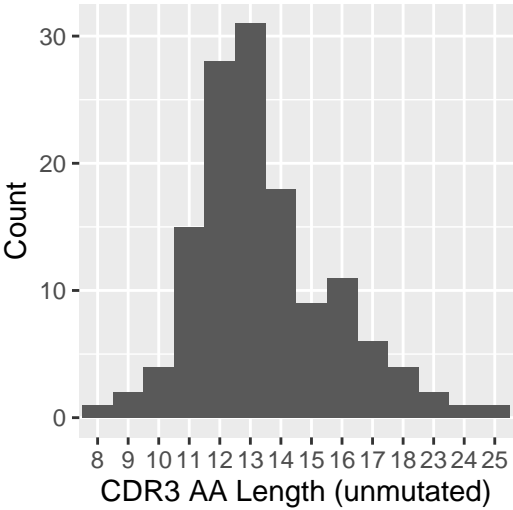


### TRBV29-1\*ap01

6175 sequences assigned  
6154 (99.7%) exact matches, in which:  
6138 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

