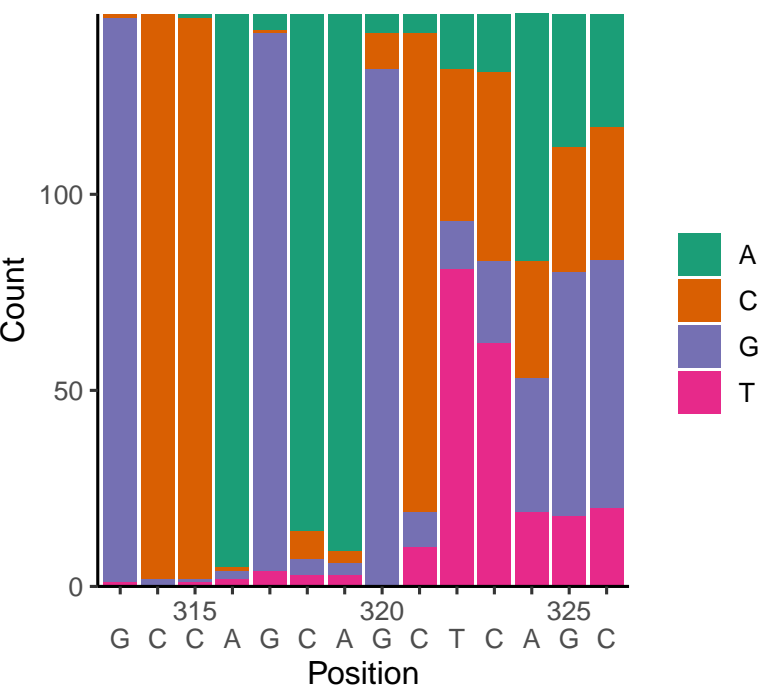
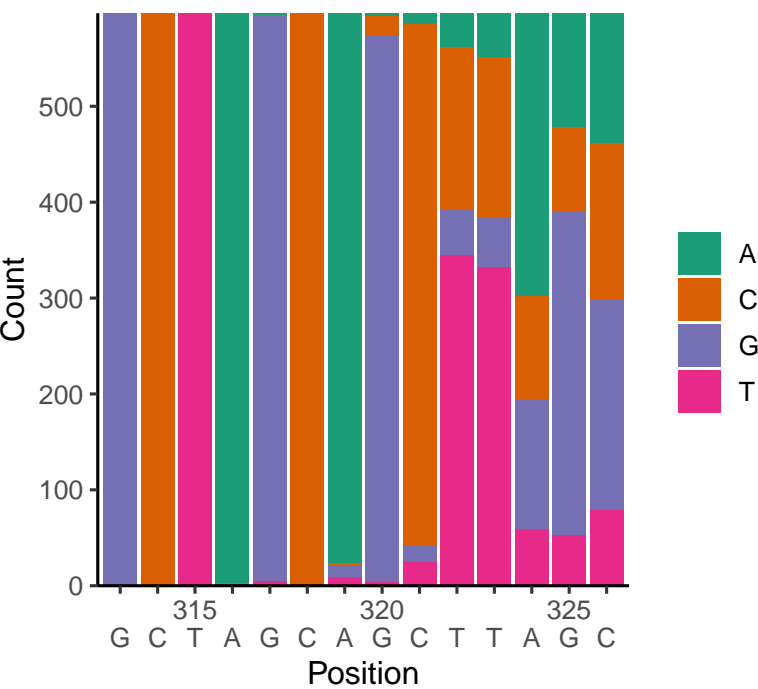


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



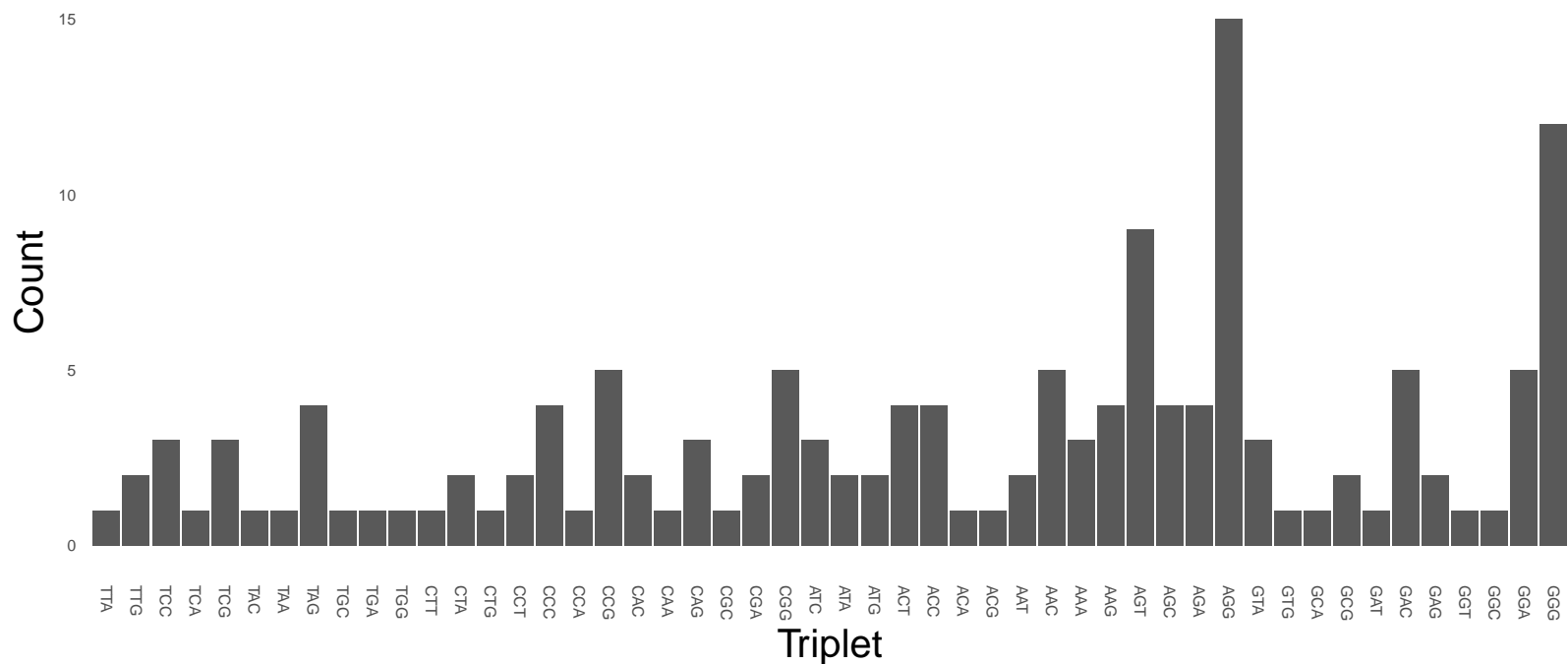
Gene TRBV7-1\*ap01\_G291C\_T296C



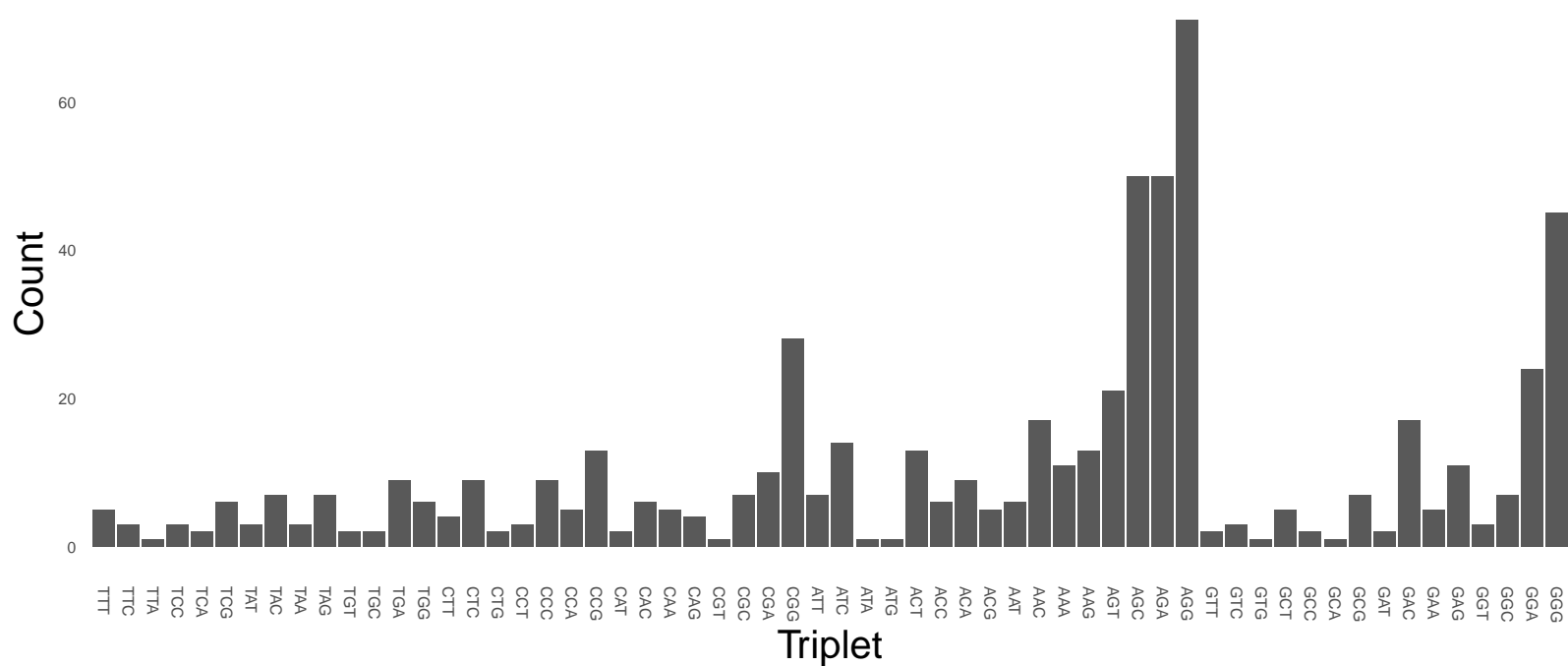
Gene TRBV7-7\*ap01\_C315T



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

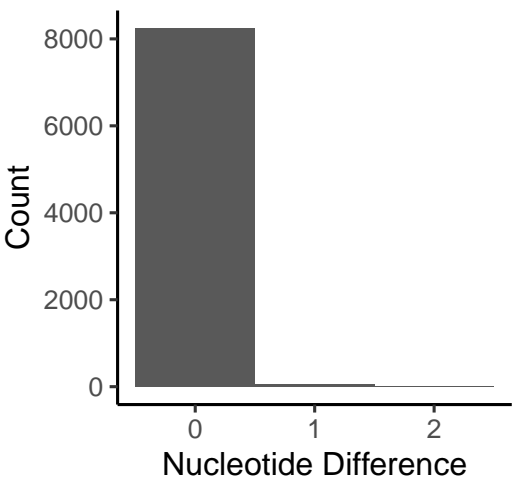


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



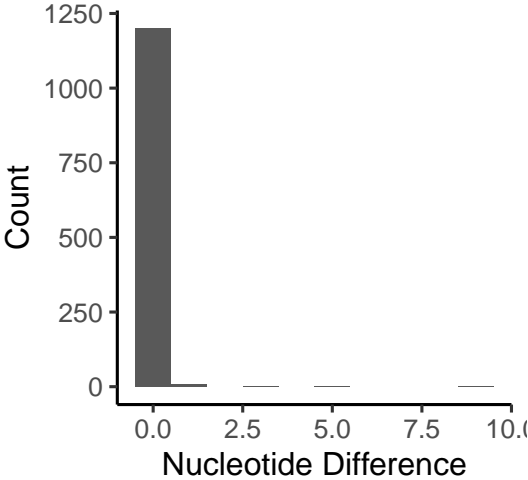
TRBV20-1\*ap01

8308 sequences assigned  
8241 (99.2%) exact matches, in which:  
8190 unique CDR3  
13 unique J



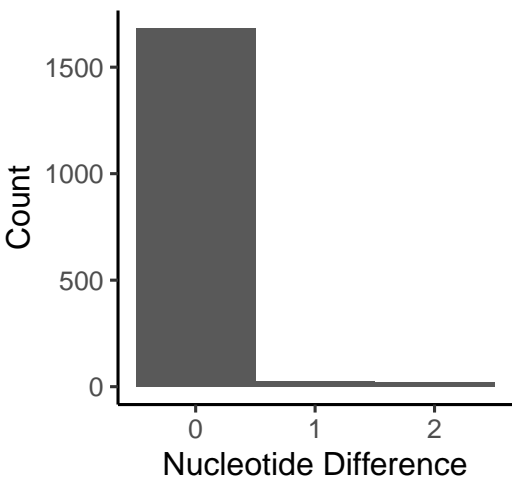
TRBV10-2\*ap01

1211 sequences assigned  
1200 (99.1%) exact matches, in which:  
1193 unique CDR3  
13 unique J



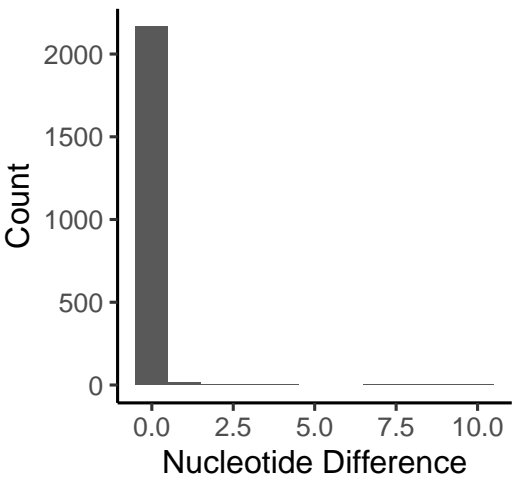
TRBV13\*ap01

1726 sequences assigned  
1682 (97.5%) exact matches, in which:  
1660 unique CDR3  
13 unique J



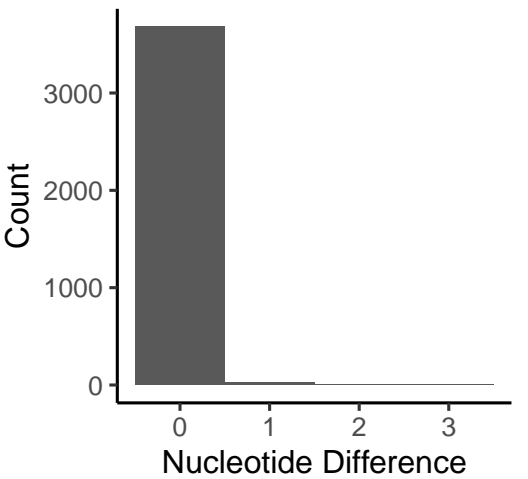
TRBV10-1\*ap01

2190 sequences assigned  
2165 (98.9%) exact matches, in which:  
2140 unique CDR3  
13 unique J



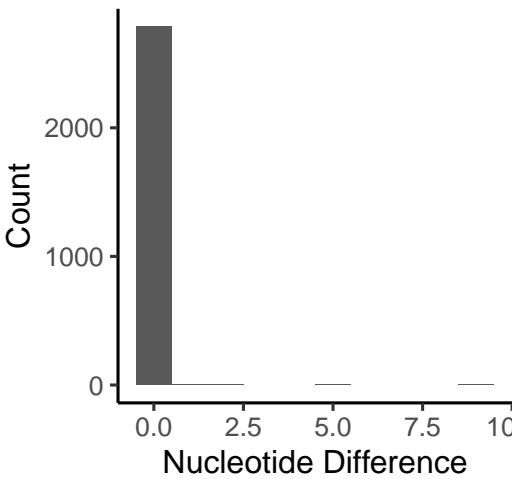
TRBV10-3\*ap01

3710 sequences assigned  
3681 (99.2%) exact matches, in which:  
3657 unique CDR3  
13 unique J



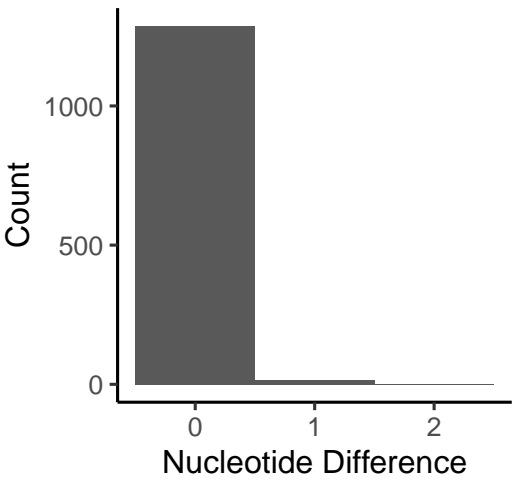
TRBV14\*ap01

2793 sequences assigned  
2786 (99.7%) exact matches, in which:  
2767 unique CDR3  
13 unique J



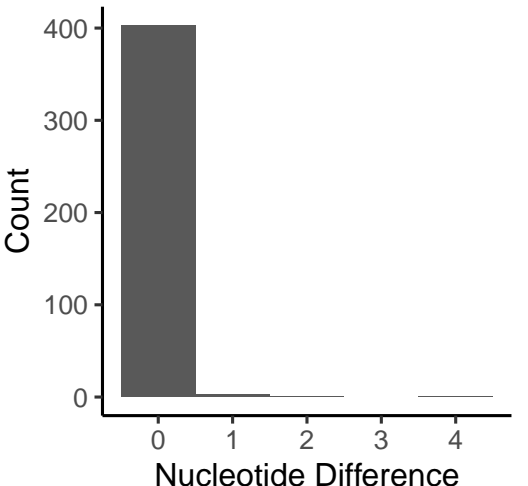
TRBV20-1\*ap02

1304 sequences assigned  
1287 (98.7%) exact matches, in which:  
1276 unique CDR3  
13 unique J



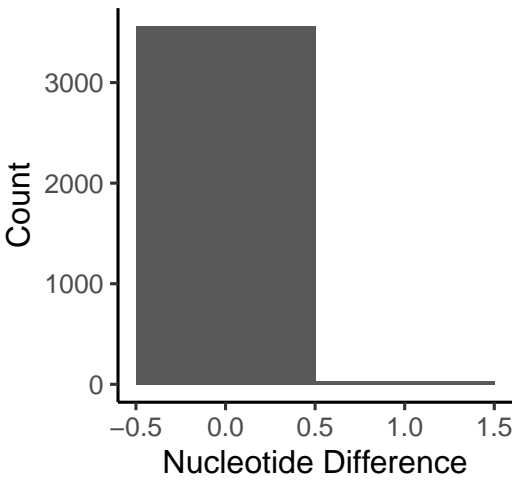
TRBV1\*ap01

408 sequences assigned  
403 (98.8%) exact matches, in which:  
396 unique CDR3  
13 unique J



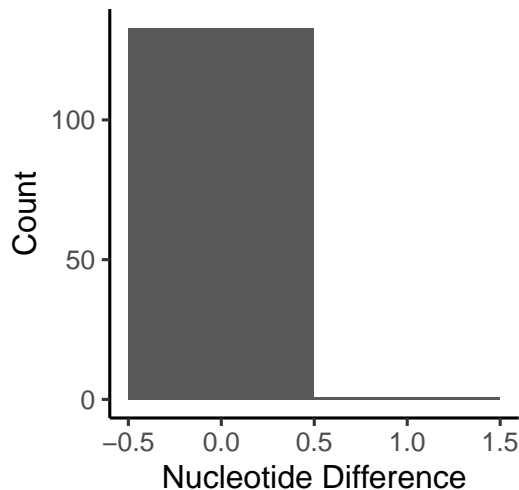
TRBV15\*ap02

3593 sequences assigned  
3562 (99.1%) exact matches, in which:  
3522 unique CDR3  
13 unique J



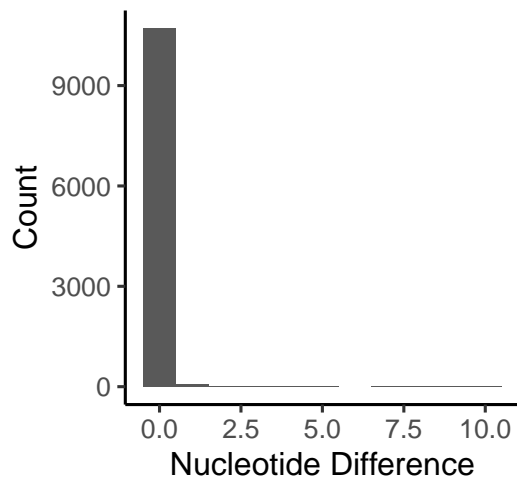
### TRBV16\*ap01

134 sequences assigned  
133 (99.3%) exact matches, in which:  
133 unique CDR3  
13 unique J



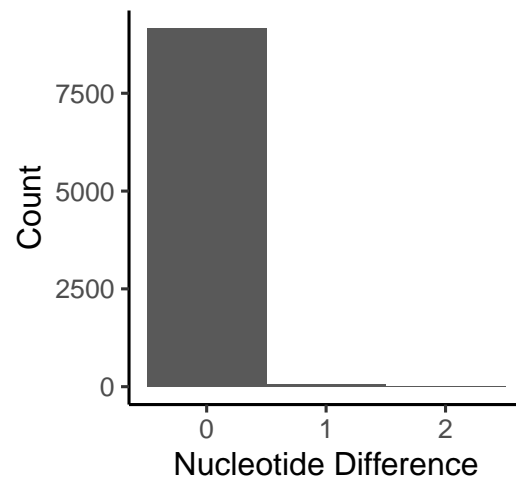
### TRBV19\*ap01

10800 sequences assigned  
10709 (99.2%) exact matches, in which:  
10685 unique CDR3  
13 unique J



### TRBV28\*ap01

9232 sequences assigned  
9158 (99.2%) exact matches, in which:  
9099 unique CDR3  
13 unique J



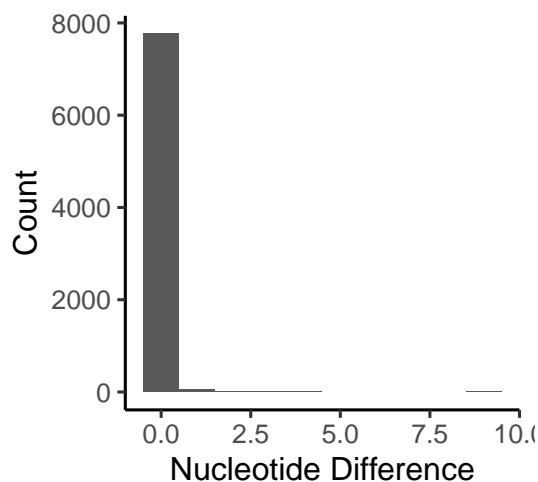
### TRBV17\*ap01

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



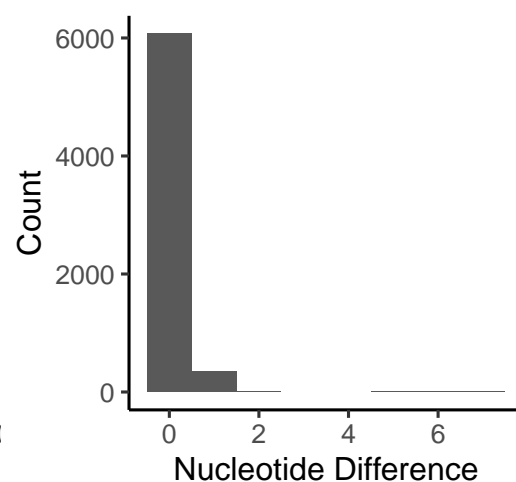
### TRBV2\*ap01

7837 sequences assigned  
7766 (99.1%) exact matches, in which:  
7700 unique CDR3  
13 unique J



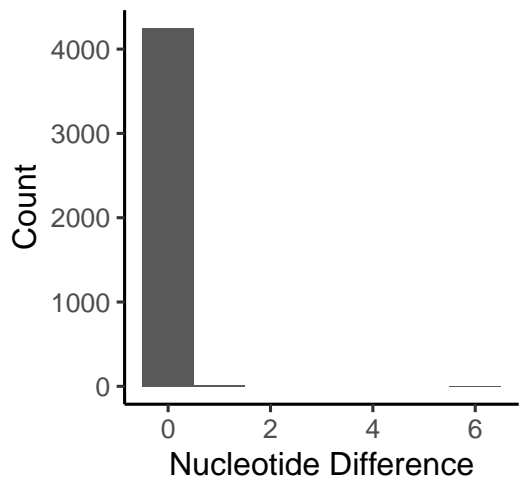
### TRBV30\*ap01

6434 sequences assigned  
6072 (94.4%) exact matches, in which:  
6038 unique CDR3  
13 unique J



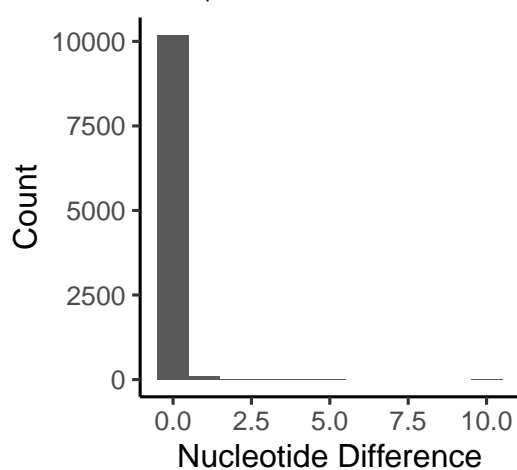
### TRBV18\*ap01

4268 sequences assigned  
4250 (99.6%) exact matches, in which:  
4235 unique CDR3  
13 unique J



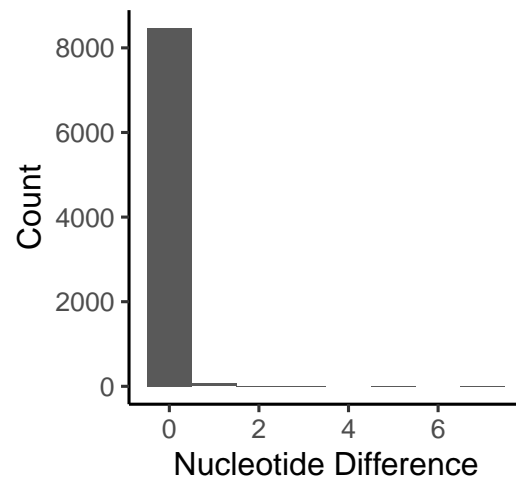
### TRBV27\*ap01

10301 sequences assigned  
10194 (99%) exact matches, in which:  
10091 unique CDR3  
13 unique J



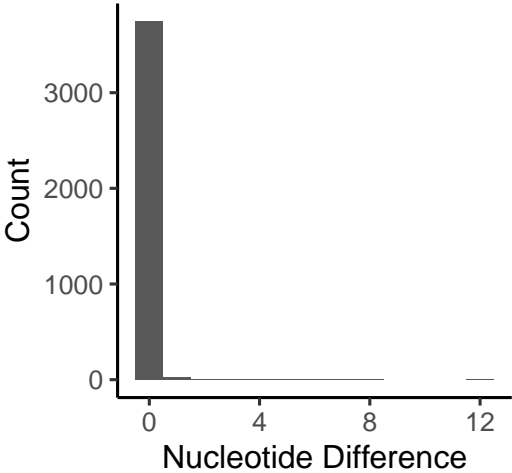
### TRBV9\*ap01

8539 sequences assigned  
8468 (99.2%) exact matches, in which:  
8395 unique CDR3  
13 unique J



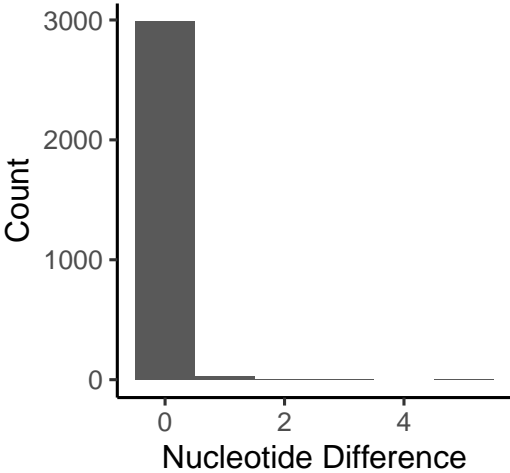
TRBV21-1\*ap01

3791 sequences assigned  
3745 (98.8%) exact matches, in which:  
3729 unique CDR3  
13 unique J



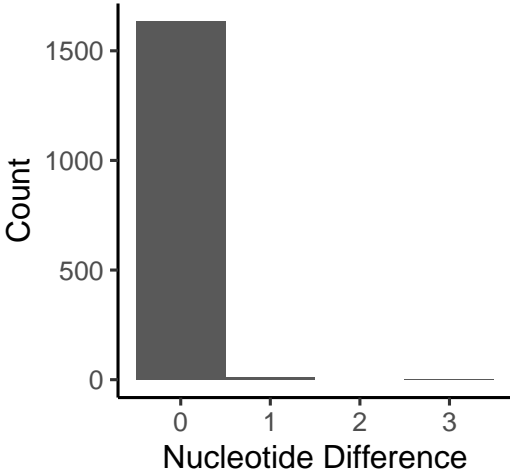
TRBV11-3\*ap01

3019 sequences assigned  
2988 (99%) exact matches, in which:  
2968 unique CDR3  
13 unique J



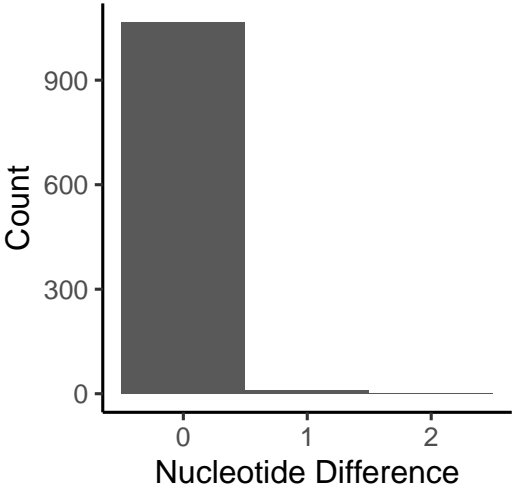
TRBV12-5\*ap01

1645 sequences assigned  
1634 (99.3%) exact matches, in which:  
1619 unique CDR3  
13 unique J



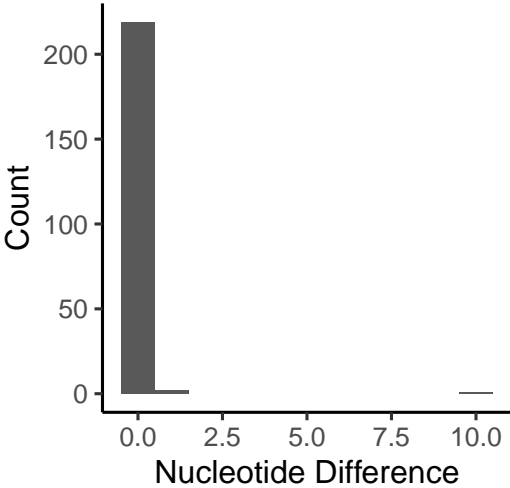
TRBV11-1\*ap01

1080 sequences assigned  
1067 (98.8%) exact matches, in which:  
1048 unique CDR3  
13 unique J



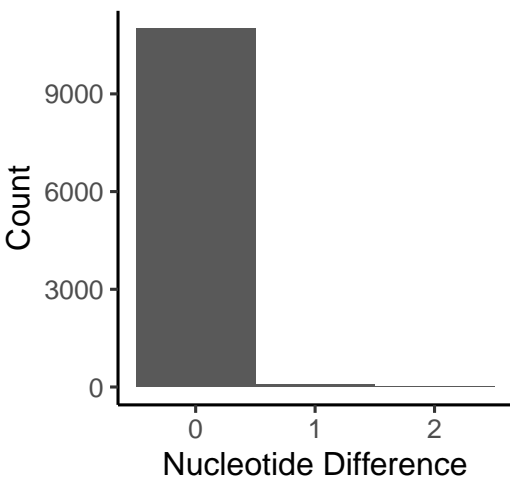
TRBV12-1\*ap01

222 sequences assigned  
219 (98.6%) exact matches, in which:  
217 unique CDR3  
13 unique J



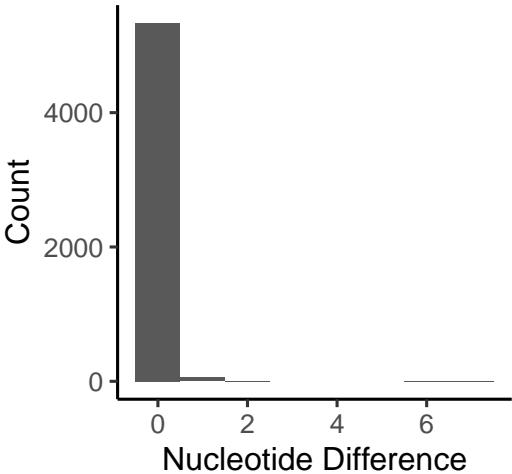
TRBV12-34\*ap01

11076 sequences assigned  
11000 (99.3%) exact matches, in which:  
10917 unique CDR3  
13 unique J



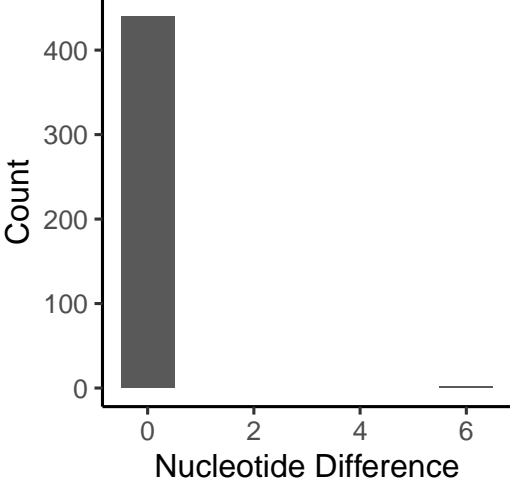
TRBV11-2\*ap01

5393 sequences assigned  
5334 (98.9%) exact matches, in which:  
5295 unique CDR3  
13 unique J



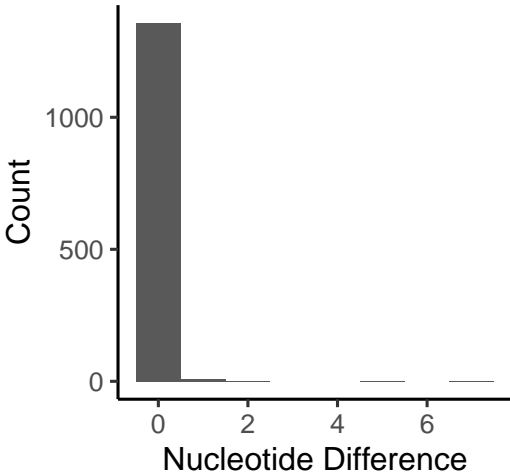
TRBV12-2\*ap01

442 sequences assigned  
440 (99.5%) exact matches, in which:  
440 unique CDR3  
13 unique J



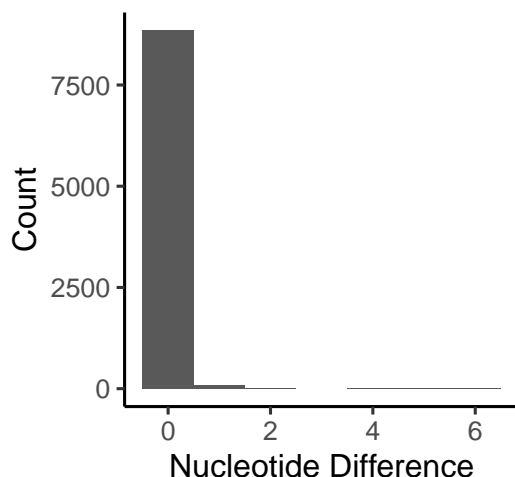
TRBV23-1\*ap01

1369 sequences assigned  
1357 (99.1%) exact matches, in which:  
1349 unique CDR3  
13 unique J



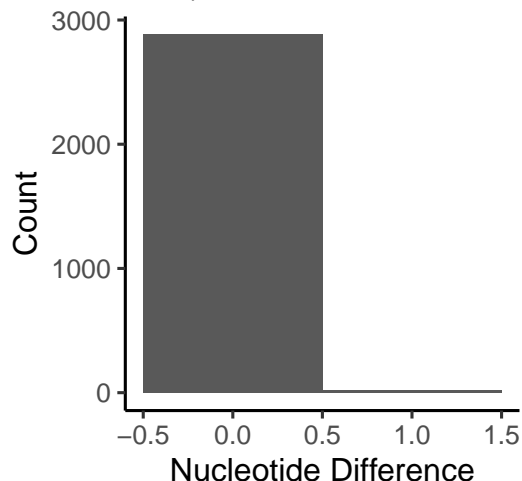
### TRBV3-12\*ap01

8941 sequences assigned  
8848 (99%) exact matches, in which:  
8767 unique CDR3  
13 unique J



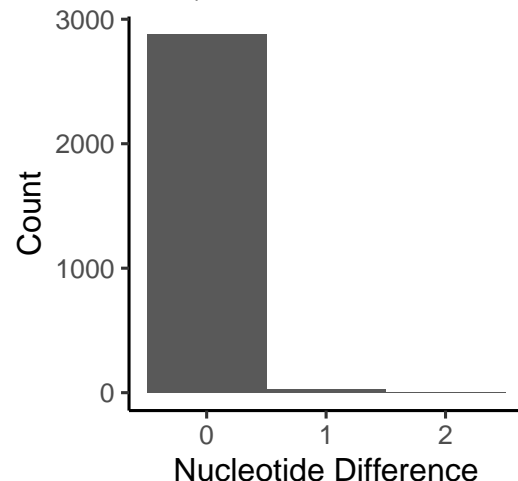
### TRBV4-2\*ap01

2906 sequences assigned  
2884 (99.2%) exact matches, in which:  
2860 unique CDR3  
13 unique J



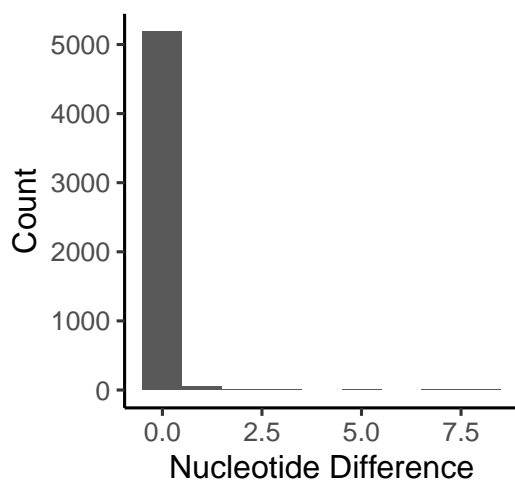
### TRBV25-1\*ap01

2907 sequences assigned  
2878 (99%) exact matches, in which:  
2855 unique CDR3  
13 unique J



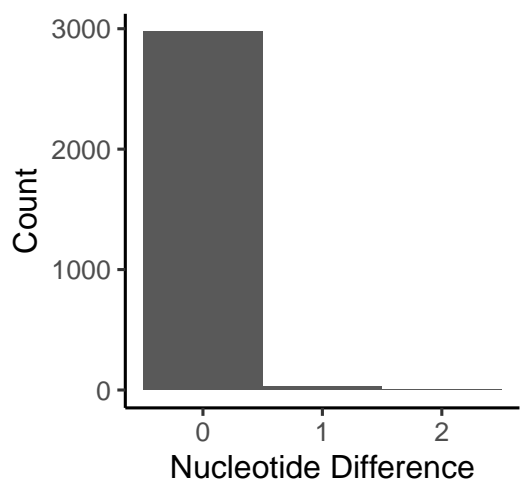
### TRBV24-1\*ap01

5252 sequences assigned  
5185 (98.7%) exact matches, in which:  
5151 unique CDR3  
13 unique J



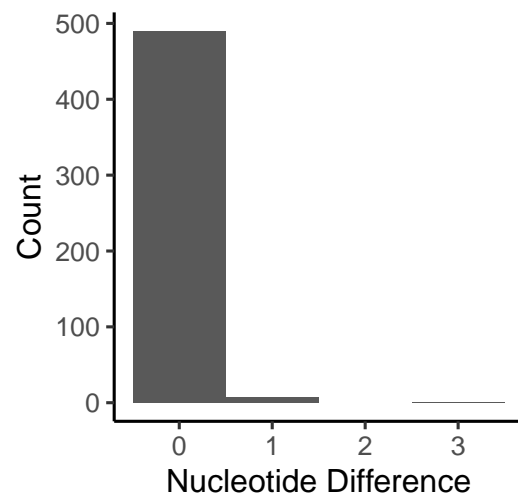
### TRBV4-3\*ap01

3002 sequences assigned  
2975 (99.1%) exact matches, in which:  
2939 unique CDR3  
13 unique J



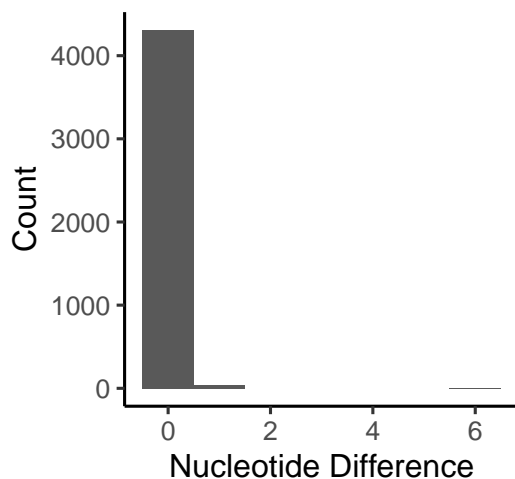
### TRBV5-3\*ap01

498 sequences assigned  
490 (98.4%) exact matches, in which:  
483 unique CDR3  
13 unique J



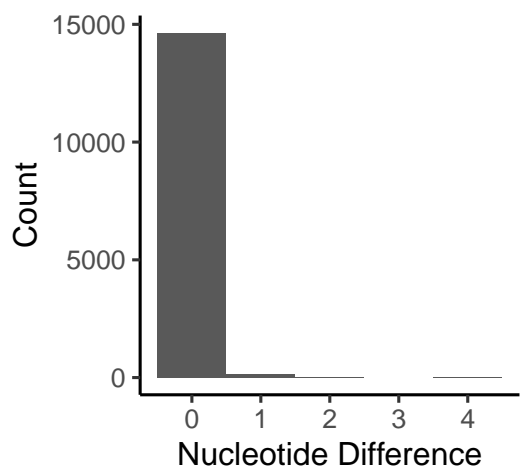
### TRBV4-1\*ap01

4349 sequences assigned  
4308 (99.1%) exact matches, in which:  
4264 unique CDR3  
13 unique J



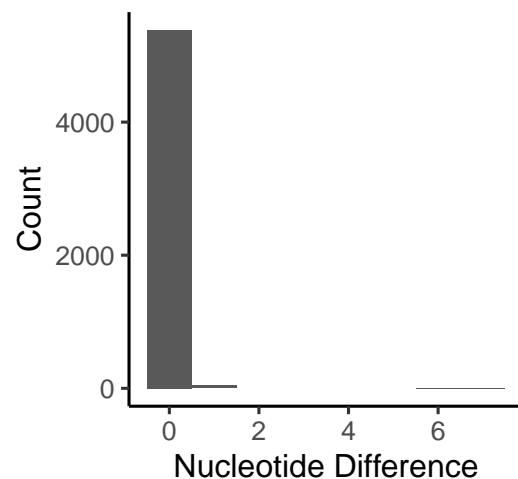
### TRBV5-1\*ap01

14795 sequences assigned  
14641 (99%) exact matches, in which:  
14448 unique CDR3  
13 unique J



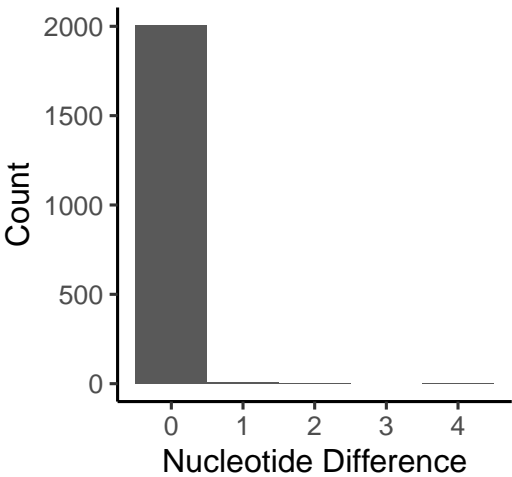
### TRBV5-4\*ap01

5430 sequences assigned  
5383 (99.1%) exact matches, in which:  
5323 unique CDR3  
13 unique J



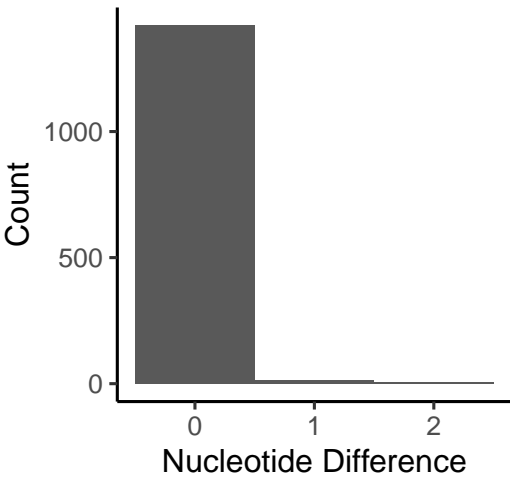
TRBV5-5\*ap01

2019 sequences assigned  
2005 (99.3%) exact matches, in which:  
1990 unique CDR3  
13 unique J



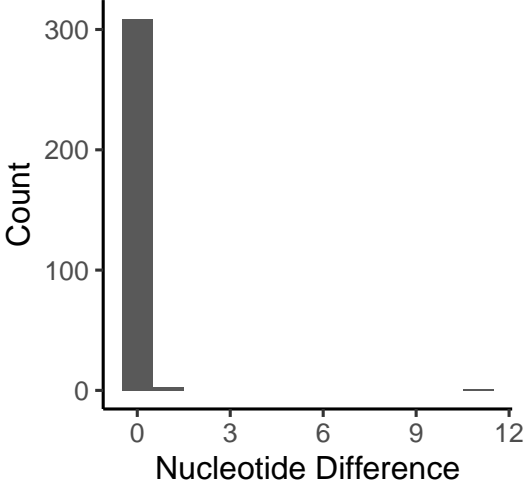
TRBV5-8\*ap01

1442 sequences assigned  
1421 (98.5%) exact matches, in which:  
1415 unique CDR3  
13 unique J



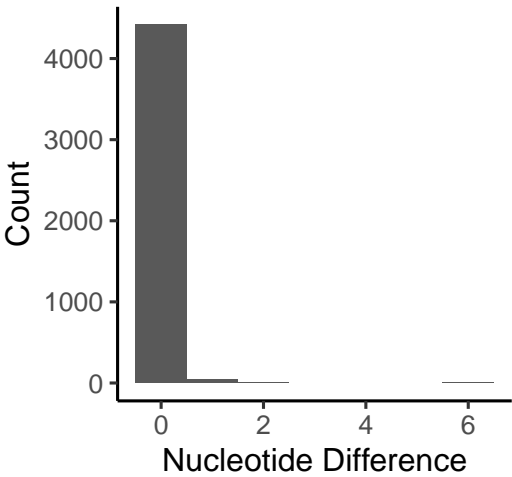
TRBV6-7\*ap01

313 sequences assigned  
309 (98.7%) exact matches, in which:  
307 unique CDR3  
13 unique J



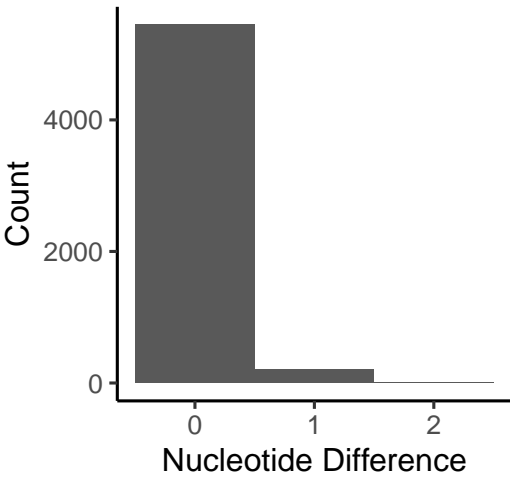
TRBV5-6\*ap01

4464 sequences assigned  
4417 (98.9%) exact matches, in which:  
4353 unique CDR3  
13 unique J



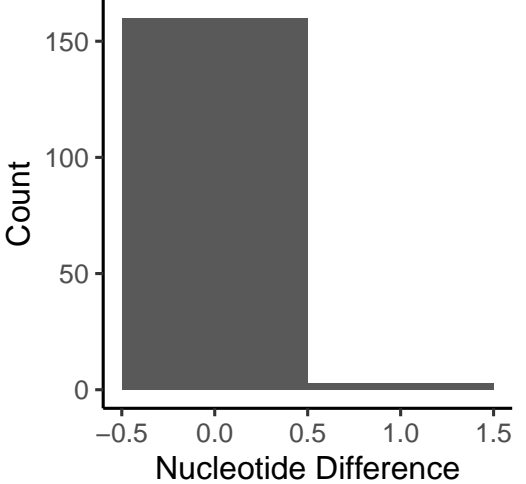
TRBV6-1\*ap01

5657 sequences assigned  
5447 (96.3%) exact matches, in which:  
5403 unique CDR3  
13 unique J



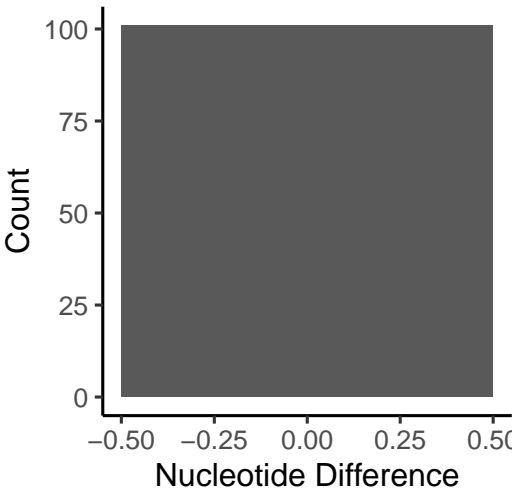
TRBV6-8\*ap01

163 sequences assigned  
160 (98.2%) exact matches, in which:  
157 unique CDR3  
13 unique J



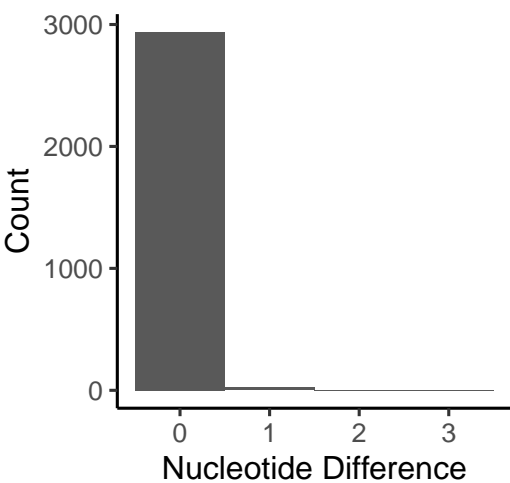
TRBV5-7\*ap01

101 sequences assigned  
101 (100%) exact matches, in which:  
101 unique CDR3  
13 unique J



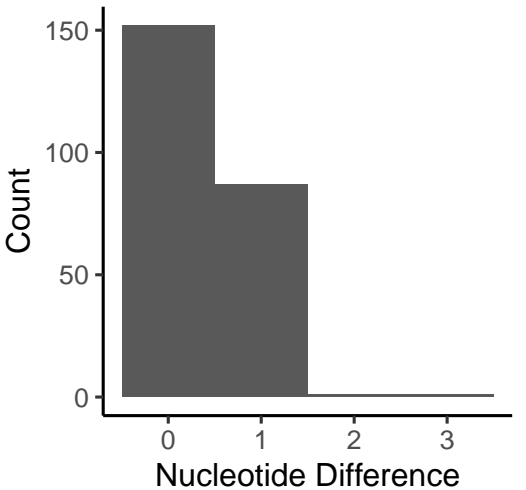
TRBV6-4\*ap01

2964 sequences assigned  
2938 (99.1%) exact matches, in which:  
2923 unique CDR3  
13 unique J



TRBV6-9\*ap01

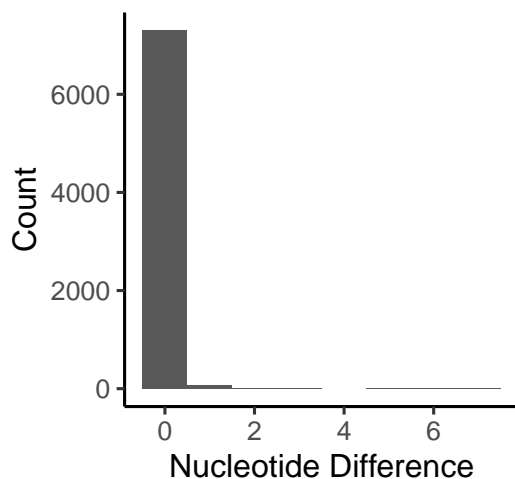
241 sequences assigned  
152 (63.1%) exact matches, in which:  
149 unique CDR3  
13 unique J





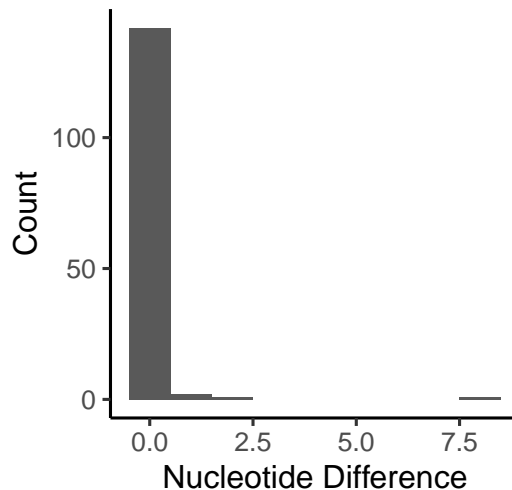
### TRBV6-23\*ap01

7376 sequences assigned  
7302 (99%) exact matches, in which:  
7207 unique CDR3  
13 unique J



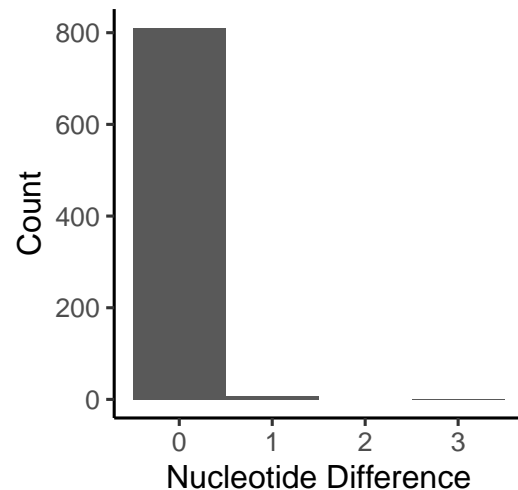
### TRBV7-1\*ap01\_G291C\_

146 sequences assigned  
142 (97.3%) exact matches, in which:  
140 unique CDR3  
13 unique J



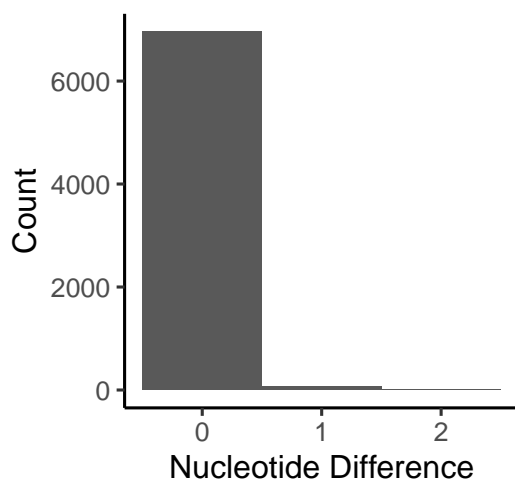
### TRBV7-3\*ap03

820 sequences assigned  
811 (98.9%) exact matches, in which:  
808 unique CDR3  
13 unique J



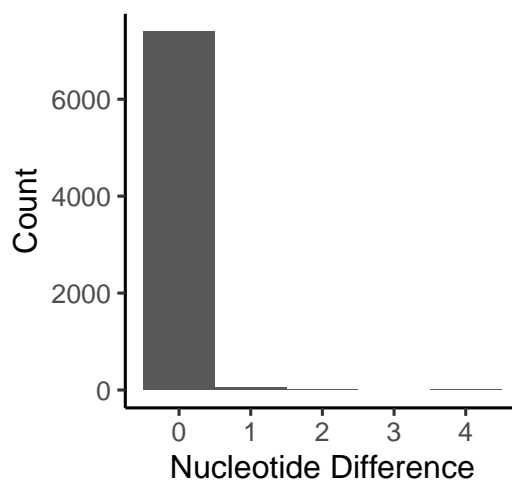
### TRBV6-56\*ap01

7031 sequences assigned  
6958 (99%) exact matches, in which:  
6880 unique CDR3  
14 unique J



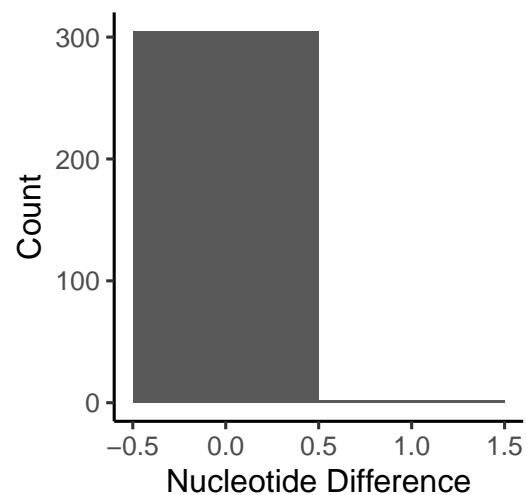
### TRBV7-2\*ap01

7440 sequences assigned  
7393 (99.4%) exact matches, in which:  
7355 unique CDR3  
13 unique J



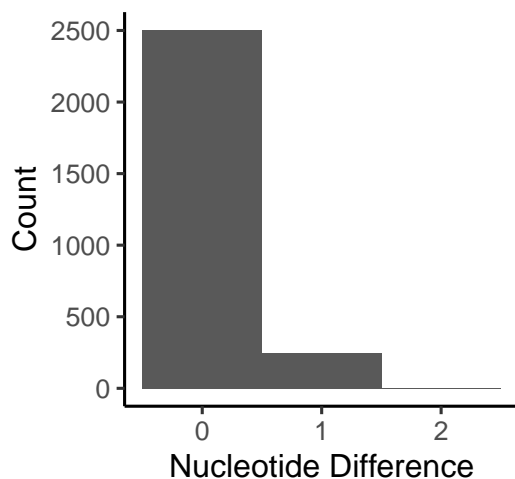
### TRBV7-4\*ap01

307 sequences assigned  
305 (99.3%) exact matches, in which:  
303 unique CDR3  
13 unique J



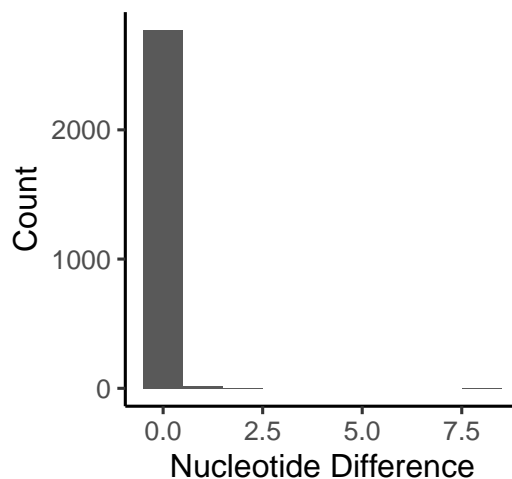
### TRBV6-56\*ap02

2753 sequences assigned  
2503 (90.9%) exact matches, in which:  
2487 unique CDR3  
13 unique J



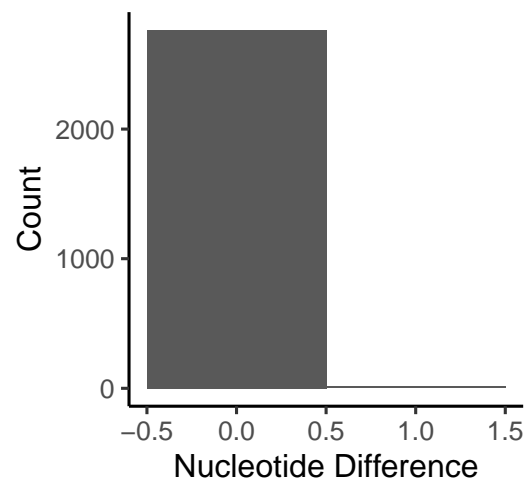
### TRBV7-3\*ap01

2791 sequences assigned  
2772 (99.3%) exact matches, in which:  
2753 unique CDR3  
13 unique J



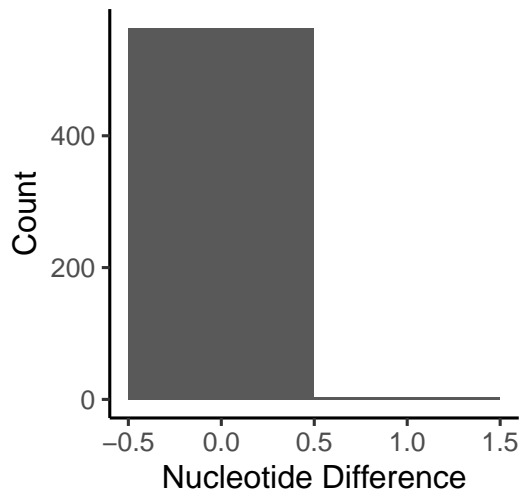
### TRBV7-6\*ap01

2778 sequences assigned  
2764 (99.5%) exact matches, in which:  
2751 unique CDR3  
13 unique J



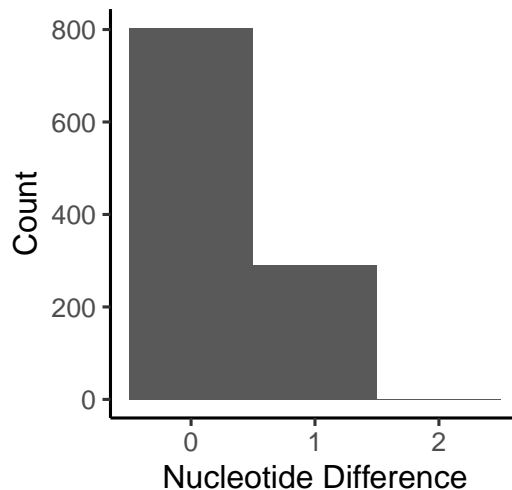
### TRBV7-7\*ap01

568 sequences assigned  
564 (99.3%) exact matches, in which:  
563 unique CDR3  
13 unique J



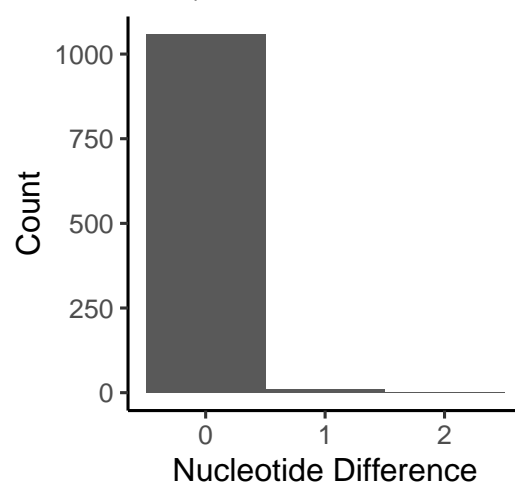
### TRBV7-8\*ap03

1095 sequences assigned  
804 (73.4%) exact matches, in which:  
790 unique CDR3  
13 unique J



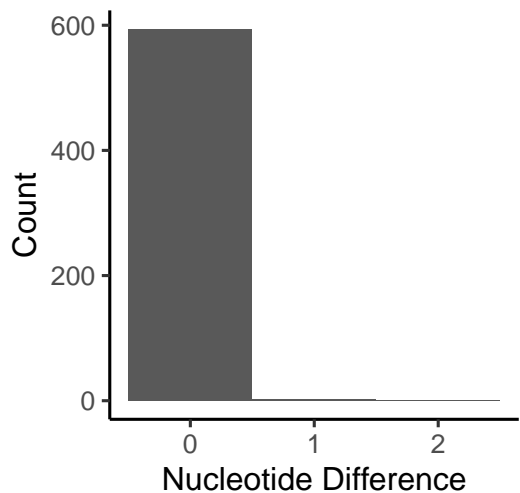
### TRBV29-1\*ap02

1071 sequences assigned  
1058 (98.8%) exact matches, in which:  
1044 unique CDR3  
13 unique J



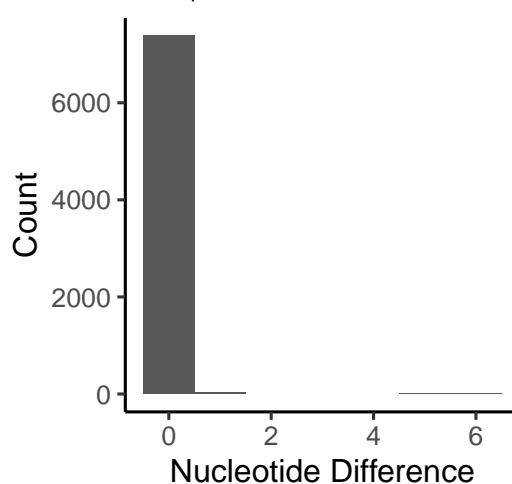
### TRBV7-7\*ap01\_C315T

597 sequences assigned  
594 (99.5%) exact matches, in which:  
589 unique CDR3  
13 unique J



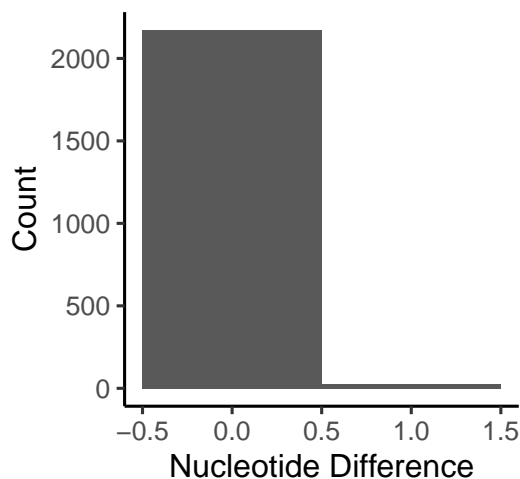
### TRBV7-9\*ap01

7417 sequences assigned  
7382 (99.5%) exact matches, in which:  
7356 unique CDR3  
14 unique J



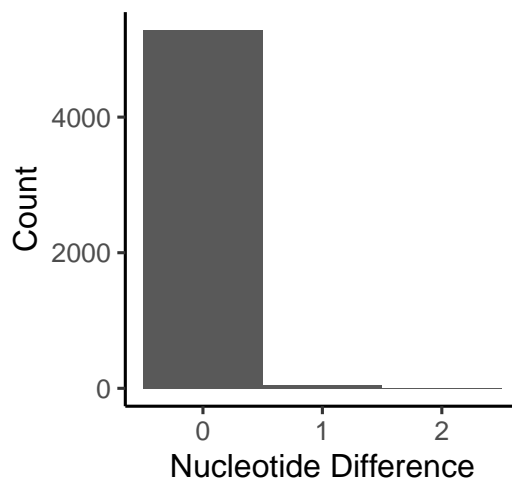
### TRBV7-8\*ap01

2199 sequences assigned  
2172 (98.8%) exact matches, in which:  
2154 unique CDR3  
13 unique J

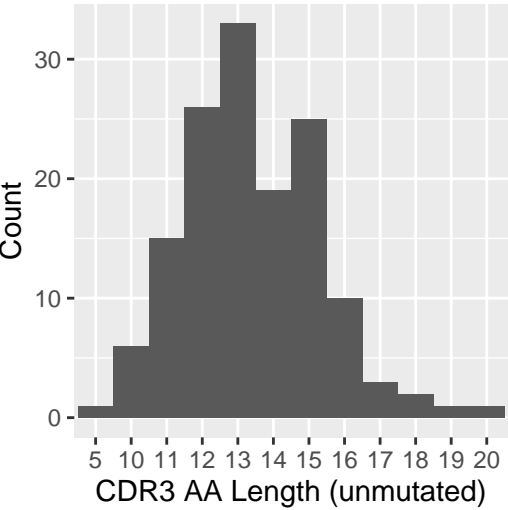


### TRBV29-1\*ap01

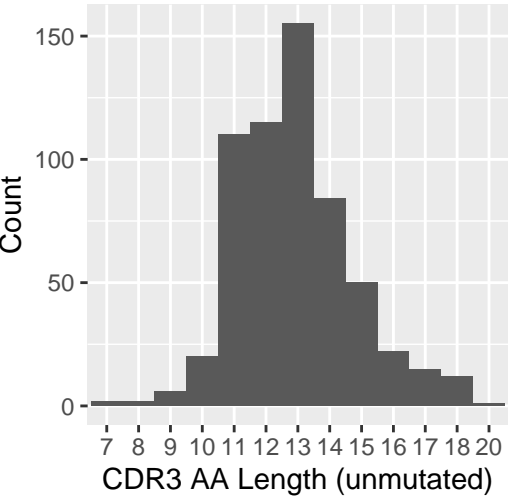
5336 sequences assigned  
5284 (99%) exact matches, in which:  
5225 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]