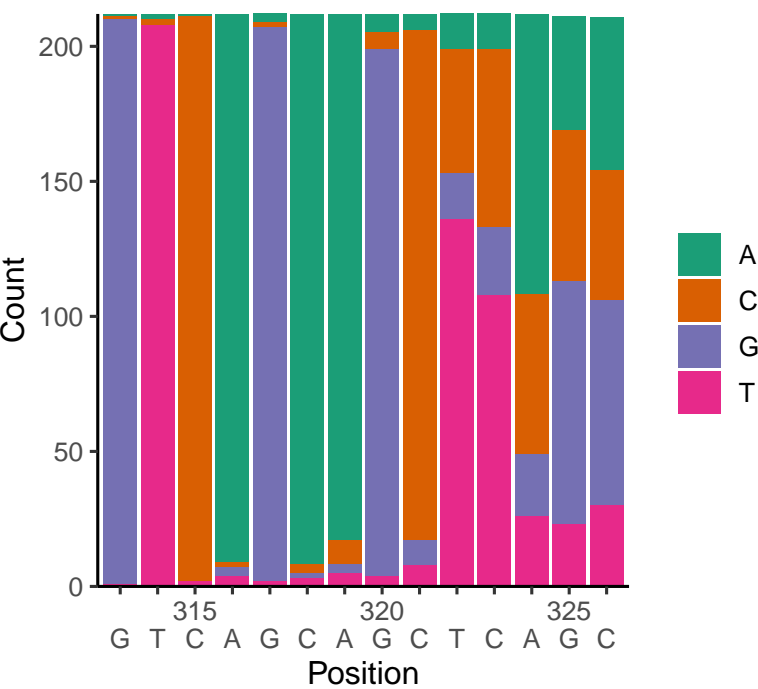
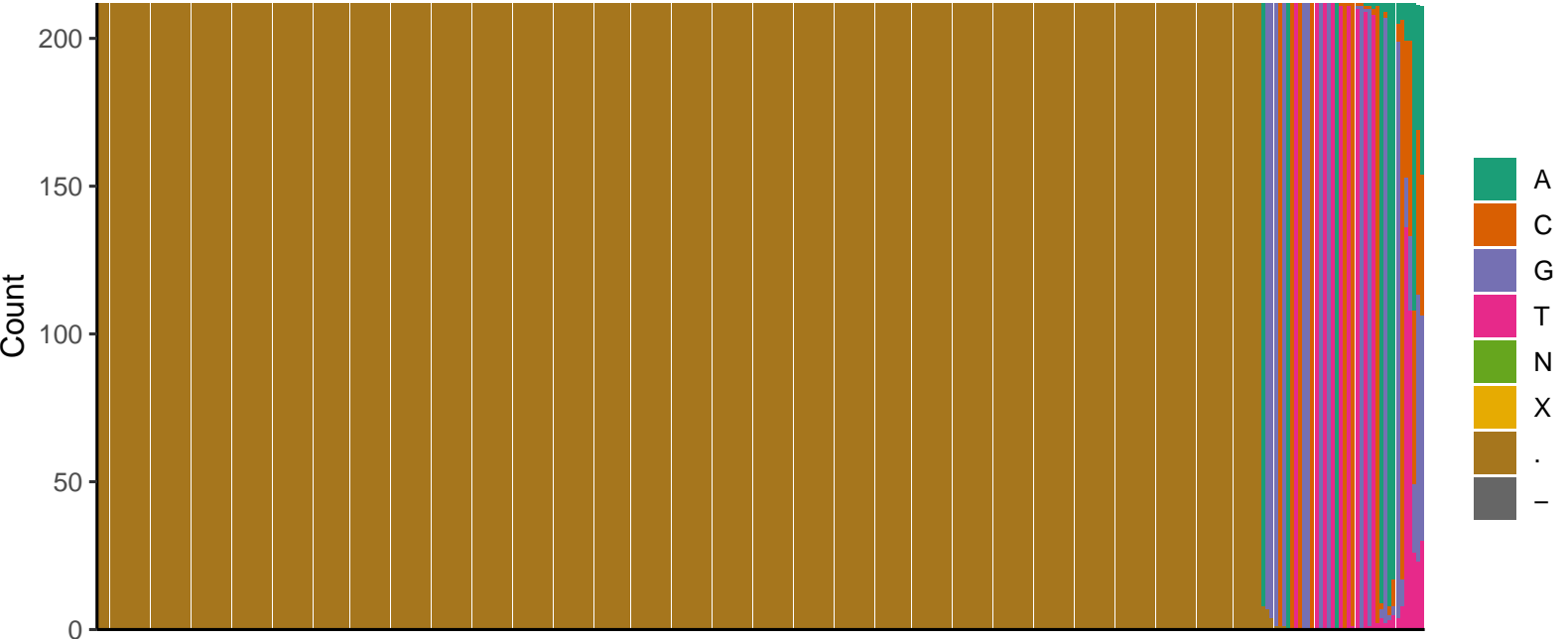


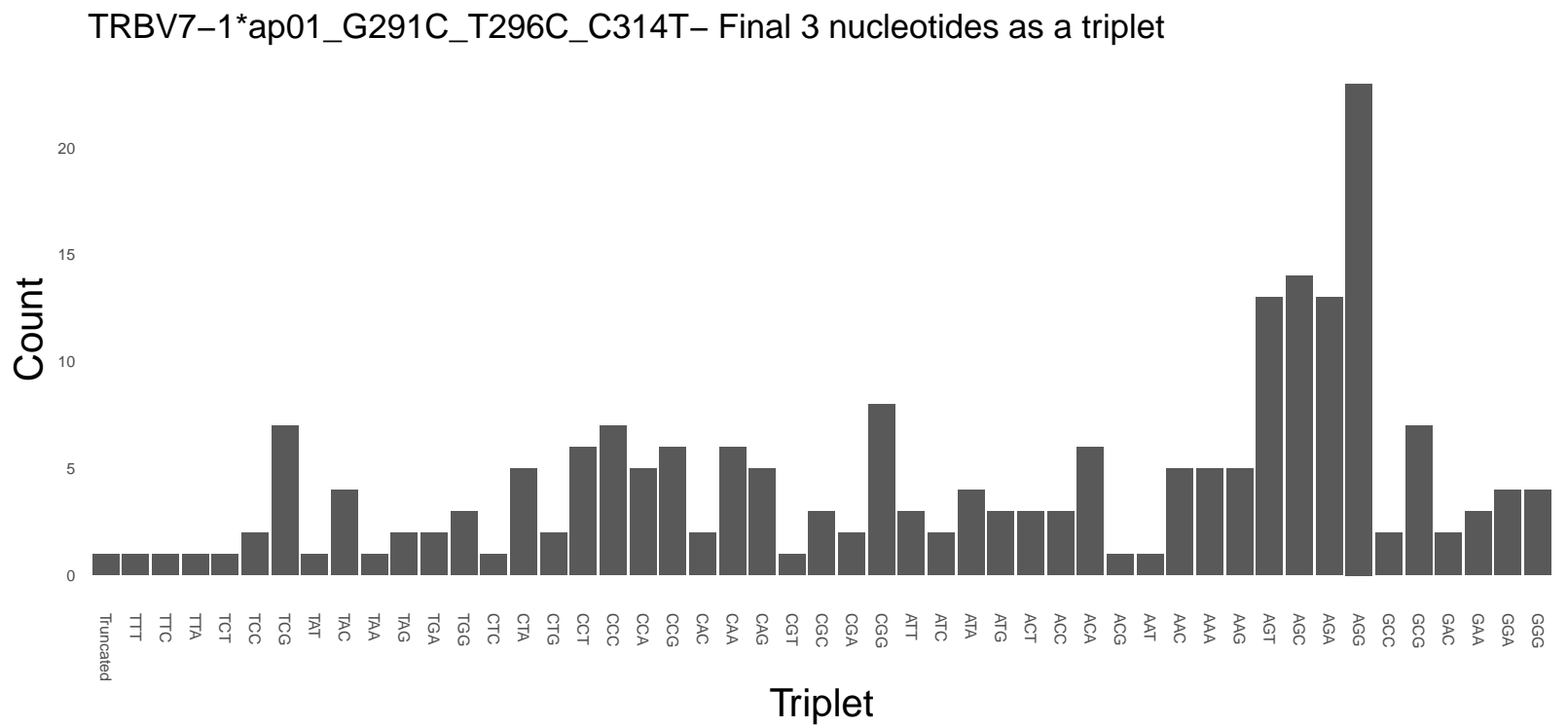
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

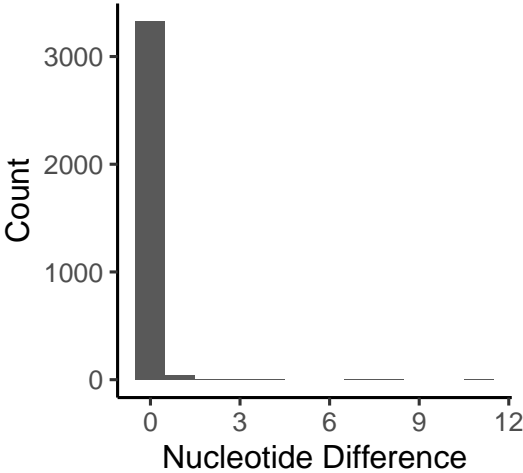


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



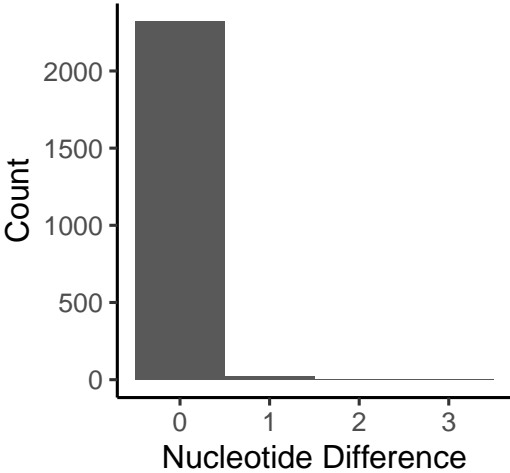
TRBV10-1\*ap01

3371 sequences assigned  
3326 (98.7%) exact matches, in which:  
3235 unique CDR3  
13 unique J



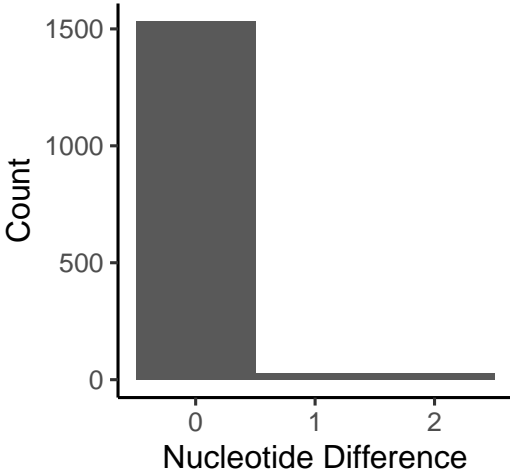
TRBV10-2\*ap01

2349 sequences assigned  
2321 (98.8%) exact matches, in which:  
2266 unique CDR3  
13 unique J



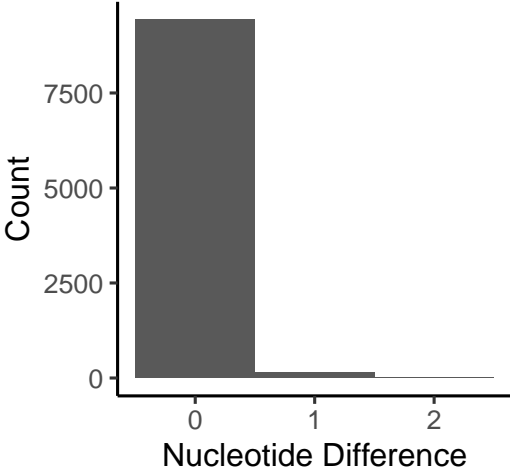
TRBV13\*ap01

1584 sequences assigned  
1532 (96.7%) exact matches, in which:  
1476 unique CDR3  
13 unique J



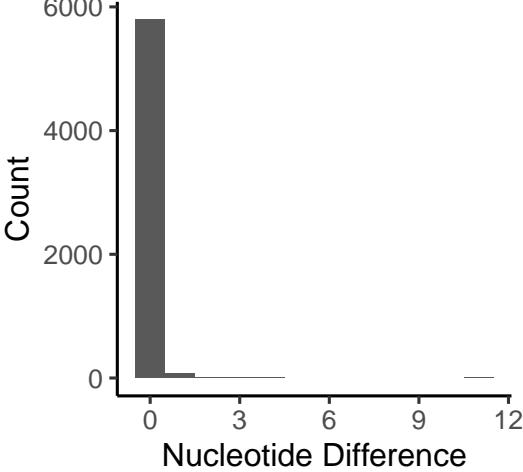
TRBV20-1\*ap01

9576 sequences assigned  
9428 (98.5%) exact matches, in which:  
9204 unique CDR3  
13 unique J



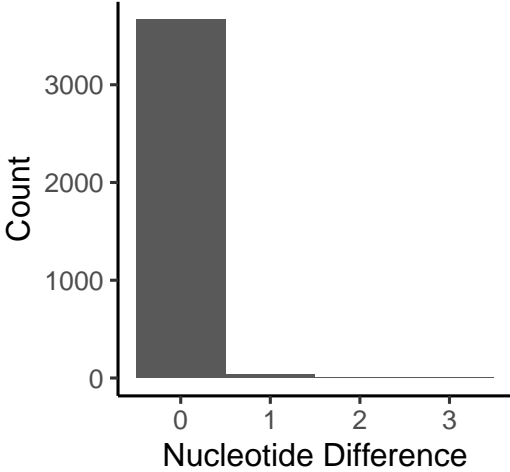
TRBV10-3\*ap01

5869 sequences assigned  
5792 (98.7%) exact matches, in which:  
5631 unique CDR3  
13 unique J



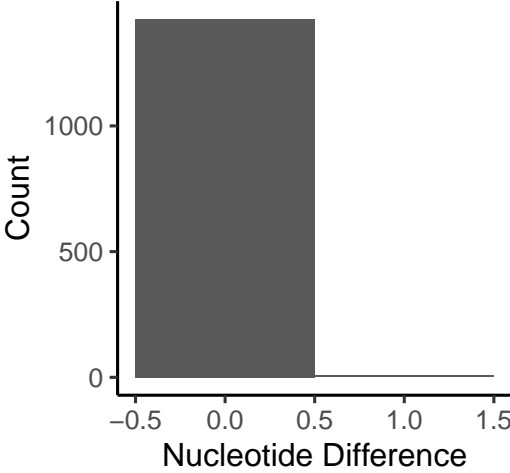
TRBV14\*ap01

3701 sequences assigned  
3665 (99%) exact matches, in which:  
3600 unique CDR3  
13 unique J



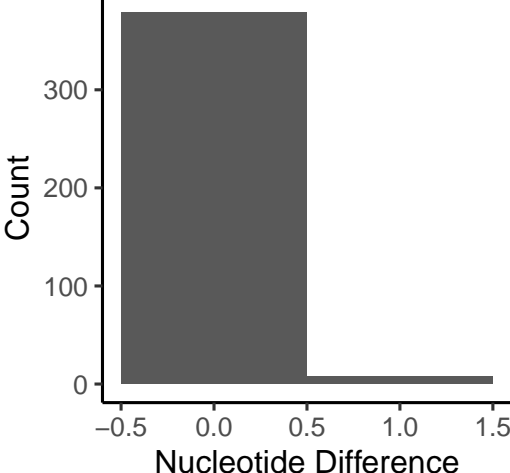
TRBV20-1\*ap02

1433 sequences assigned  
1425 (99.4%) exact matches, in which:  
1391 unique CDR3  
13 unique J



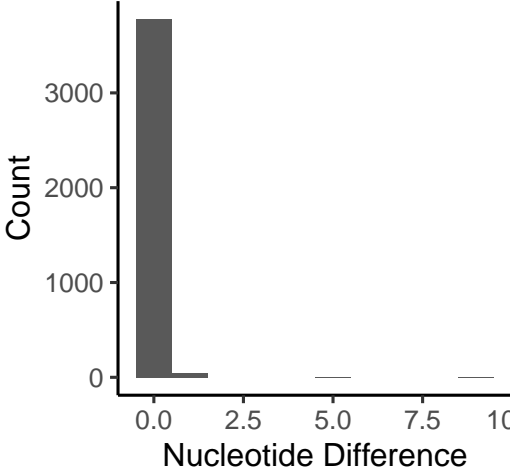
TRBV1\*ap01

387 sequences assigned  
379 (97.9%) exact matches, in which:  
365 unique CDR3  
13 unique J



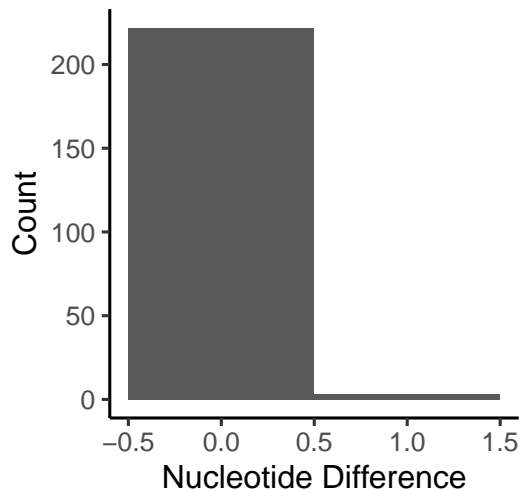
TRBV15\*ap02

3826 sequences assigned  
3779 (98.8%) exact matches, in which:  
3667 unique CDR3  
13 unique J



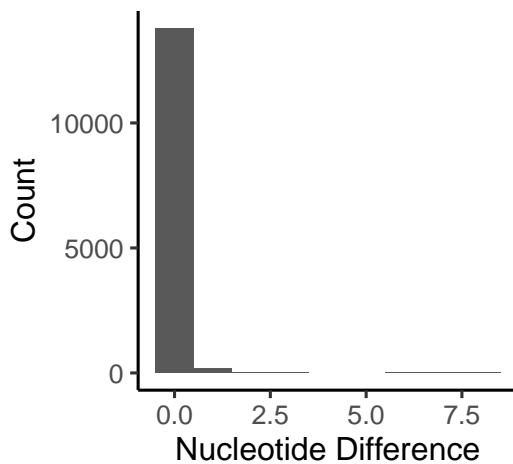
### TRBV16\*ap01

225 sequences assigned  
222 (98.7%) exact matches, in which:  
221 unique CDR3  
13 unique J



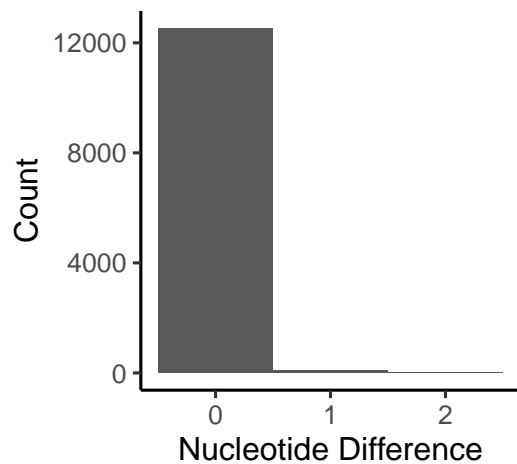
### TRBV19\*ap01

13971 sequences assigned  
13793 (98.7%) exact matches, in which:  
13587 unique CDR3  
13 unique J



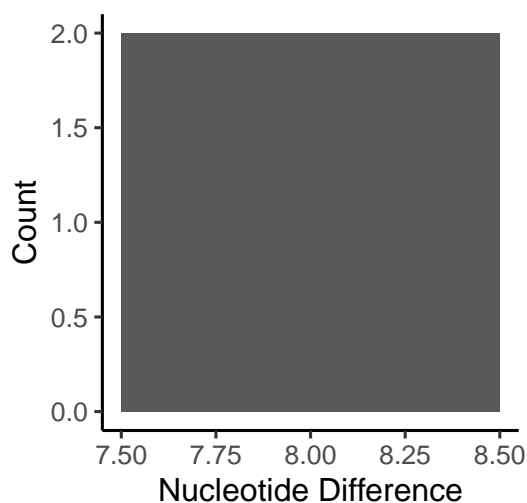
### TRBV28\*ap01

12635 sequences assigned  
12533 (99.2%) exact matches, in which:  
12377 unique CDR3  
13 unique J



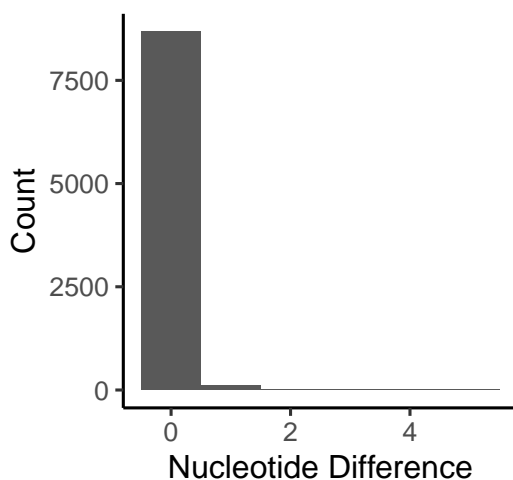
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



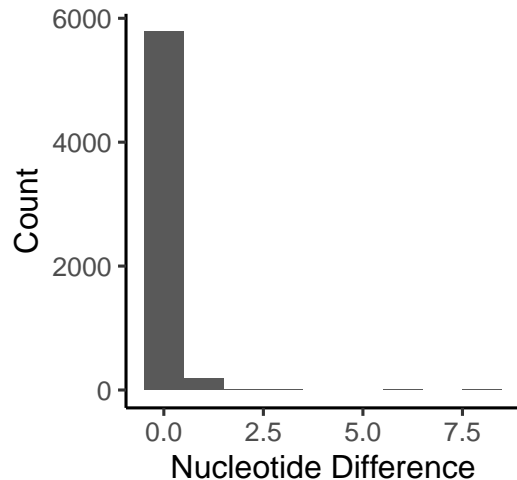
### TRBV2\*ap01

8789 sequences assigned  
8678 (98.7%) exact matches, in which:  
8457 unique CDR3  
13 unique J



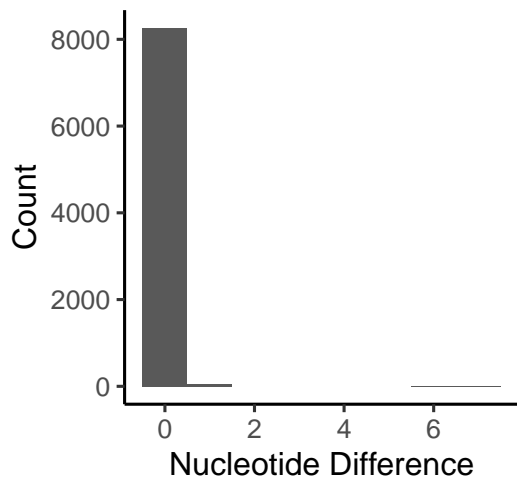
### TRBV30\*ap01

5984 sequences assigned  
5783 (96.6%) exact matches, in which:  
5604 unique CDR3  
13 unique J



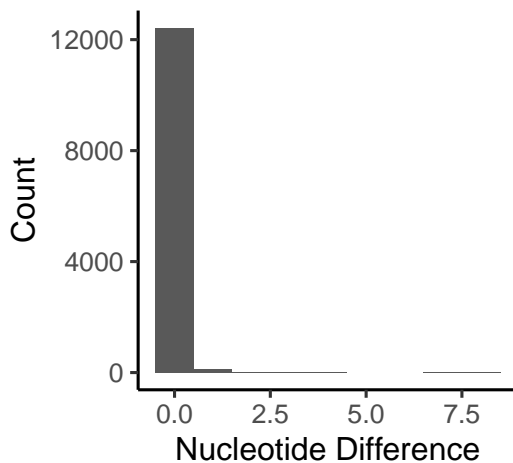
### TRBV18\*ap01

8322 sequences assigned  
8260 (99.3%) exact matches, in which:  
8163 unique CDR3  
13 unique J



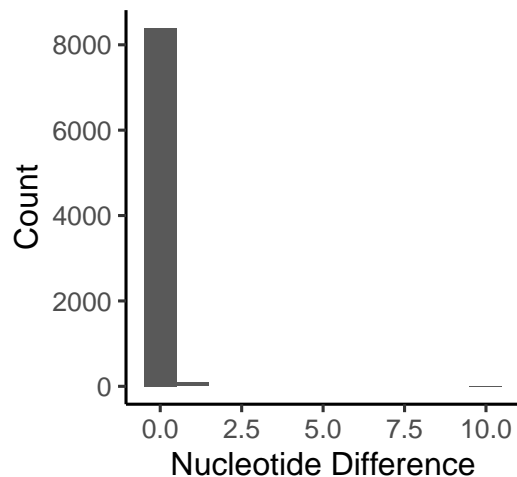
### TRBV27\*ap01

12558 sequences assigned  
12427 (99%) exact matches, in which:  
12232 unique CDR3  
13 unique J



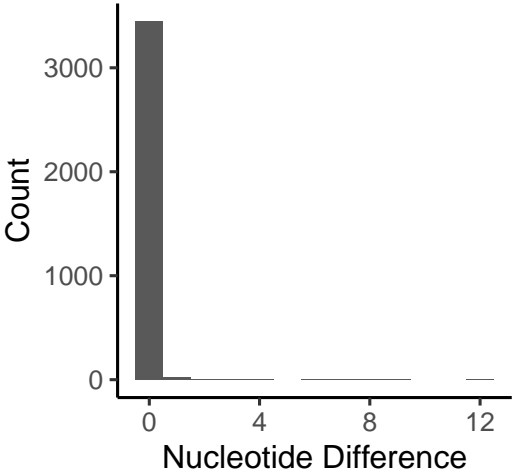
### TRBV9\*ap01

8484 sequences assigned  
8392 (98.9%) exact matches, in which:  
8226 unique CDR3  
13 unique J



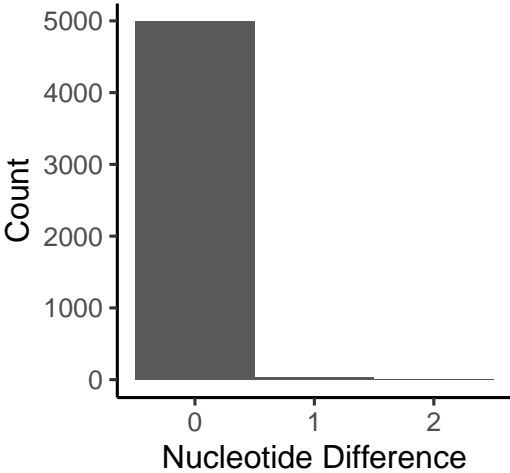
TRBV21-1\*ap01

3491 sequences assigned  
3446 (98.7%) exact matches, in which:  
3417 unique CDR3  
13 unique J



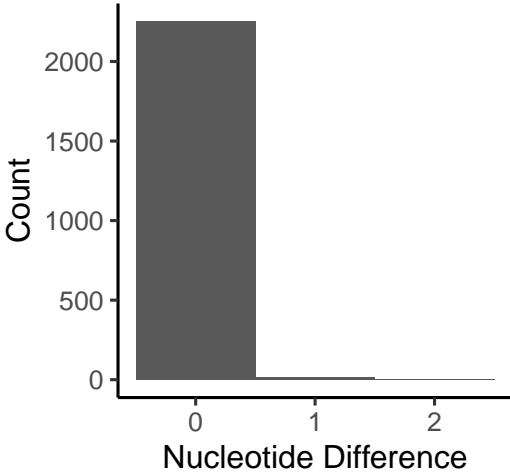
TRBV11-3\*ap01

5026 sequences assigned  
4992 (99.3%) exact matches, in which:  
4902 unique CDR3  
13 unique J



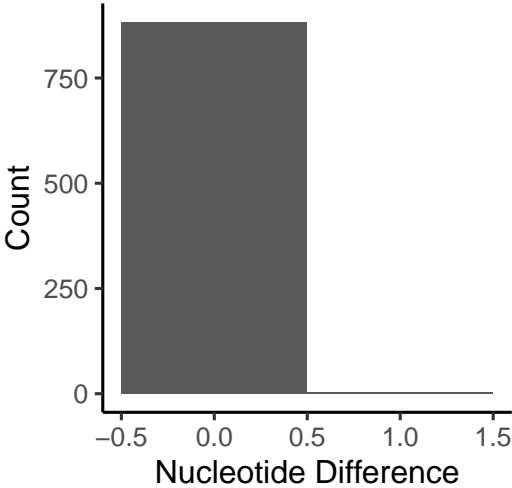
TRBV12-5\*ap01

2271 sequences assigned  
2252 (99.2%) exact matches, in which:  
2197 unique CDR3  
13 unique J



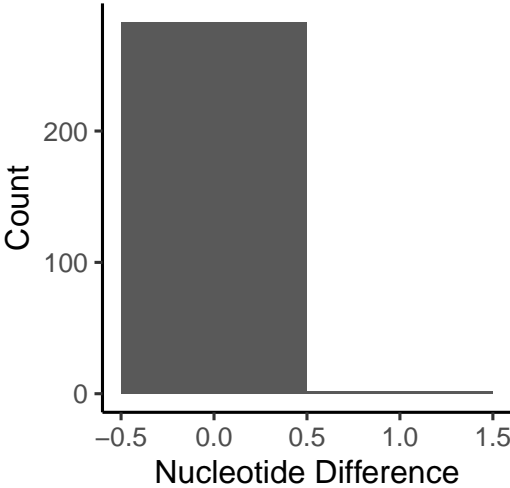
TRBV11-1\*ap01

887 sequences assigned  
883 (99.5%) exact matches, in which:  
856 unique CDR3  
13 unique J



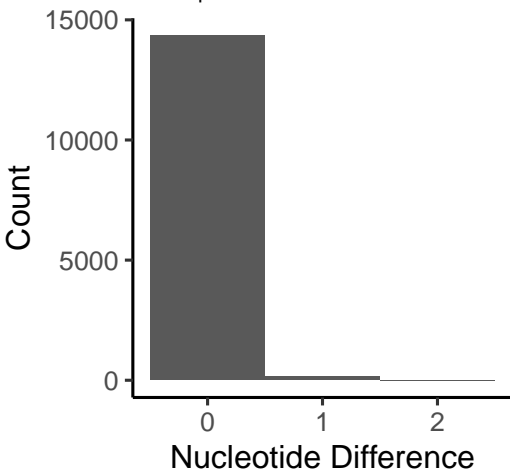
TRBV12-1\*ap01

285 sequences assigned  
283 (99.3%) exact matches, in which:  
277 unique CDR3  
12 unique J



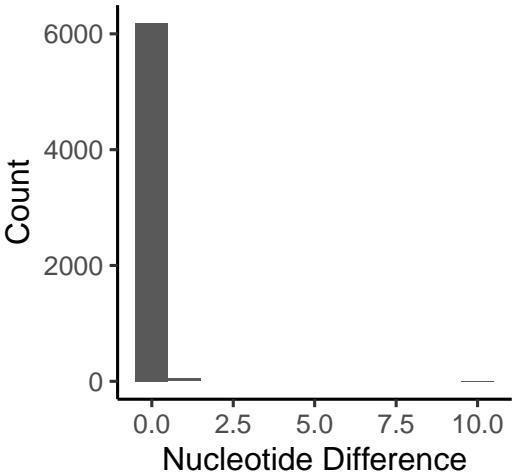
TRBV12-34\*ap01

14499 sequences assigned  
14350 (99%) exact matches, in which:  
14015 unique CDR3  
13 unique J



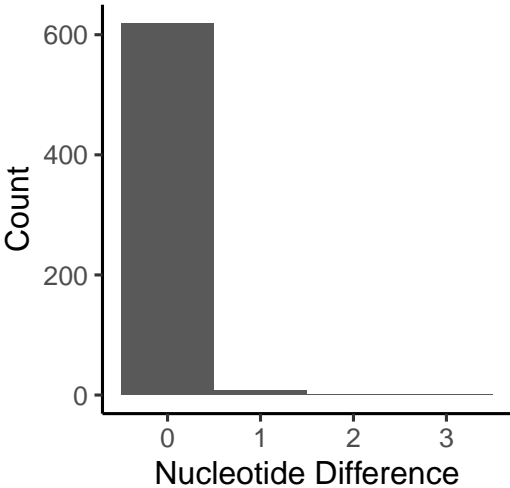
TRBV11-2\*ap01

6237 sequences assigned  
6186 (99.2%) exact matches, in which:  
6062 unique CDR3  
13 unique J



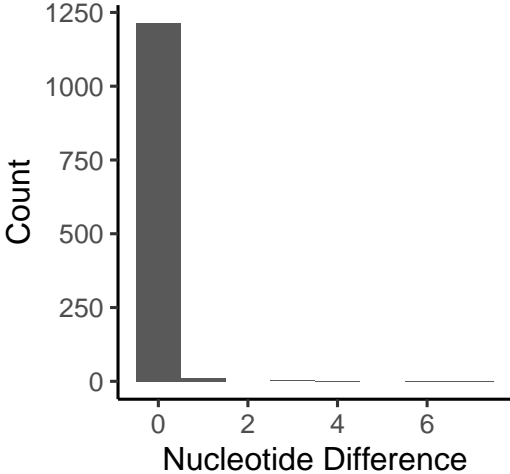
TRBV12-2\*ap01

629 sequences assigned  
619 (98.4%) exact matches, in which:  
605 unique CDR3  
13 unique J



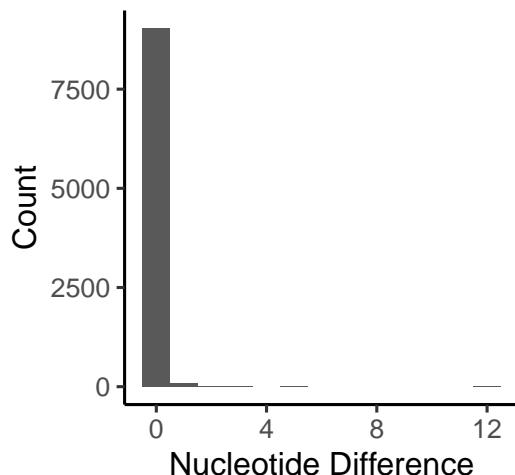
TRBV23-1\*ap01

1232 sequences assigned  
1214 (98.5%) exact matches, in which:  
1203 unique CDR3  
13 unique J



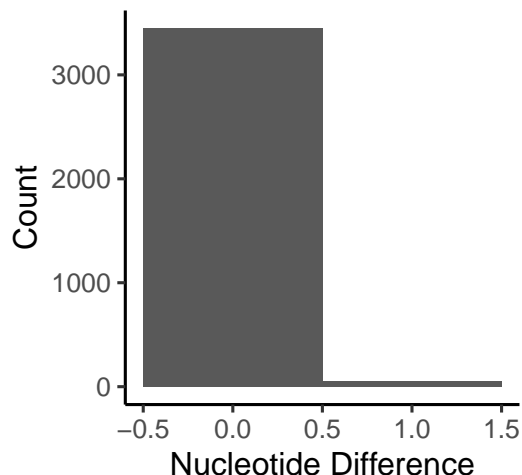
### TRBV3-12\*ap01

9127 sequences assigned  
9031 (98.9%) exact matches, in which:  
8815 unique CDR3  
13 unique J



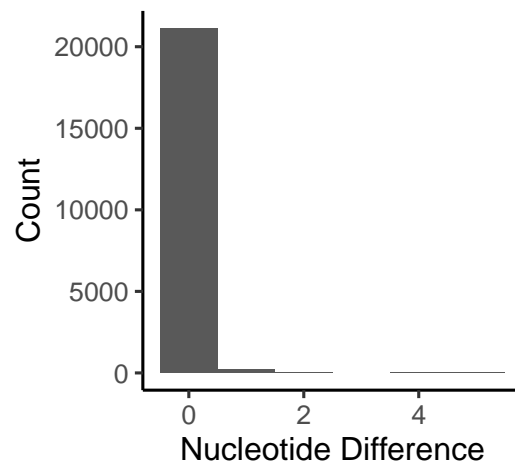
### TRBV4-2\*ap01

3501 sequences assigned  
3447 (98.5%) exact matches, in which:  
3349 unique CDR3  
13 unique J



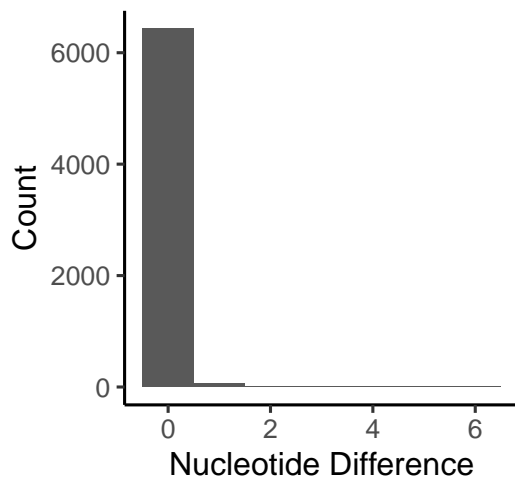
### TRBV5-1\*ap01

21379 sequences assigned  
21139 (98.9%) exact matches, in which:  
20467 unique CDR3  
13 unique J



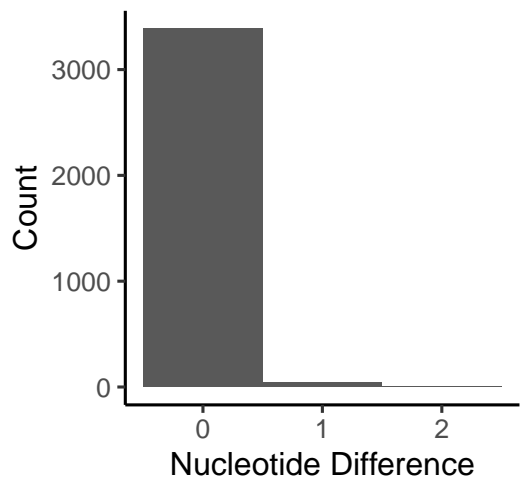
### TRBV24-1\*ap01

6509 sequences assigned  
6431 (98.8%) exact matches, in which:  
6289 unique CDR3  
13 unique J



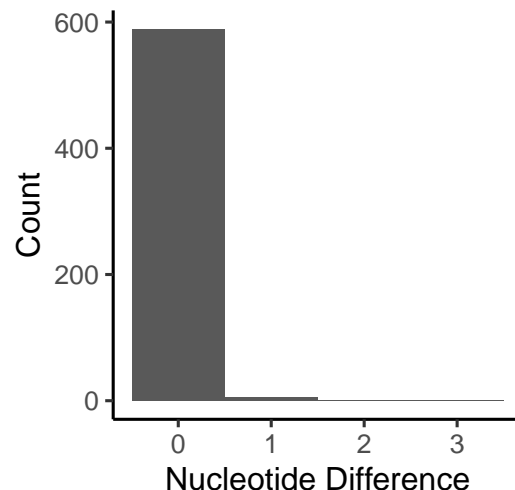
### TRBV4-3\*ap01

3431 sequences assigned  
3386 (98.7%) exact matches, in which:  
3301 unique CDR3  
13 unique J



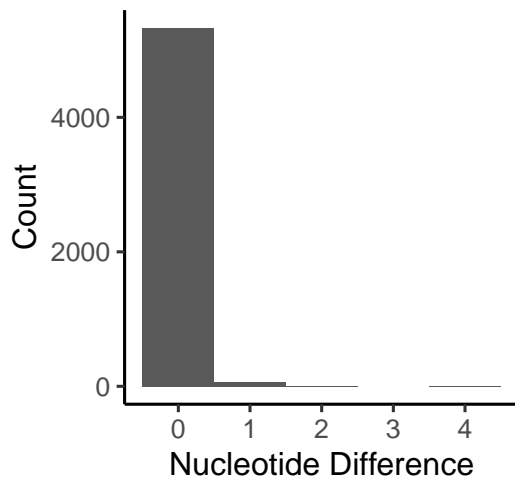
### TRBV5-3\*ap01

596 sequences assigned  
589 (98.8%) exact matches, in which:  
563 unique CDR3  
13 unique J



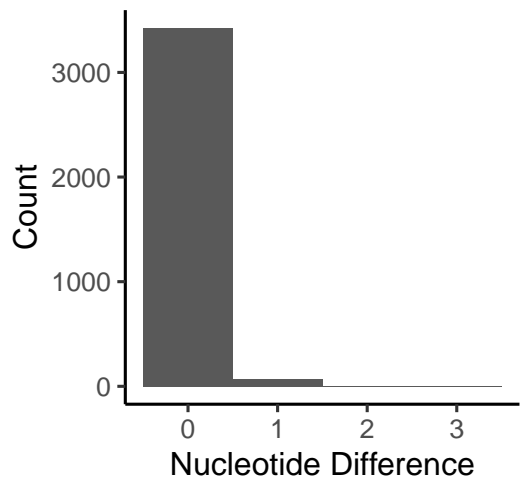
### TRBV4-1\*ap01

5391 sequences assigned  
5328 (98.8%) exact matches, in which:  
5147 unique CDR3  
13 unique J



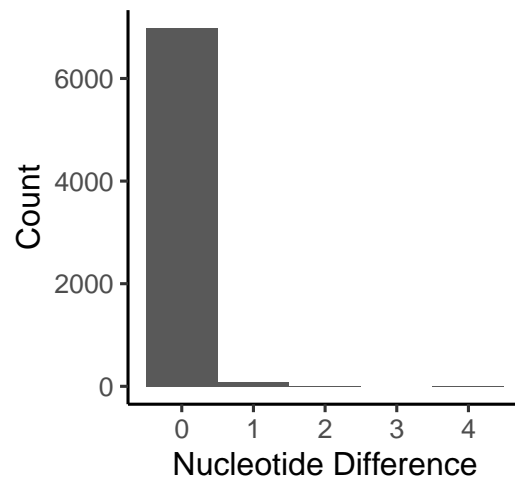
### TRBV25-1\*ap01

3503 sequences assigned  
3424 (97.7%) exact matches, in which:  
3325 unique CDR3  
13 unique J



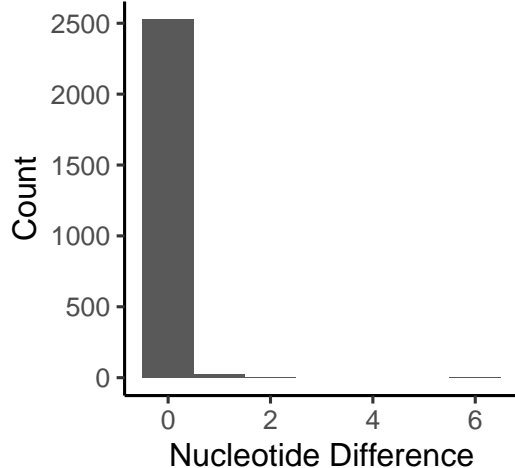
### TRBV5-4\*ap01

7073 sequences assigned  
6983 (98.7%) exact matches, in which:  
6786 unique CDR3  
13 unique J



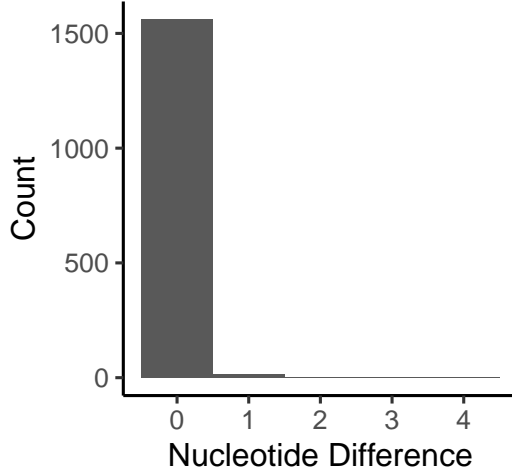
### TRBV5-5\*ap01

2556 sequences assigned  
2527 (98.9%) exact matches, in which:  
2501 unique CDR3  
13 unique J



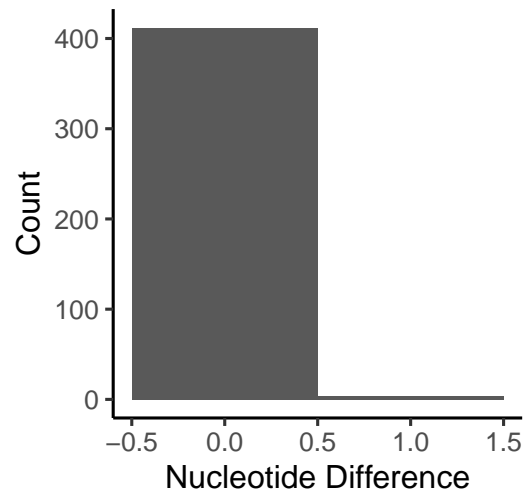
### TRBV5-8\*ap01

1584 sequences assigned  
1561 (98.5%) exact matches, in which:  
1535 unique CDR3  
13 unique J



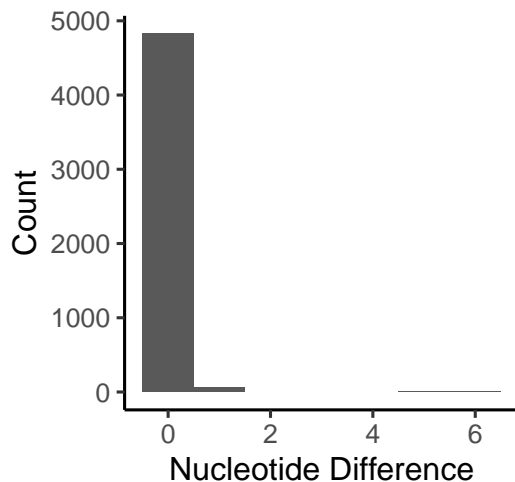
### TRBV6-7\*ap01

416 sequences assigned  
412 (99%) exact matches, in which:  
401 unique CDR3  
13 unique J



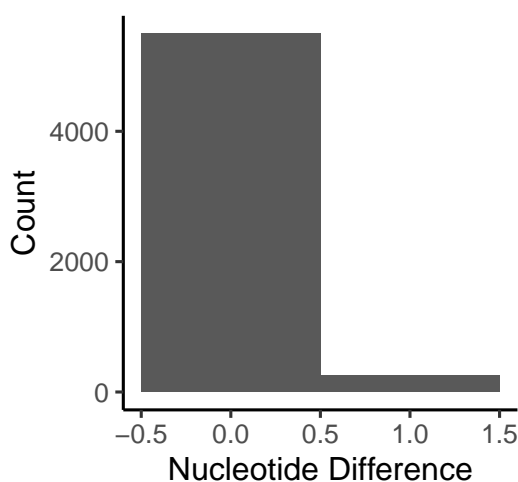
### TRBV5-6\*ap01

4886 sequences assigned  
4826 (98.8%) exact matches, in which:  
4629 unique CDR3  
13 unique J



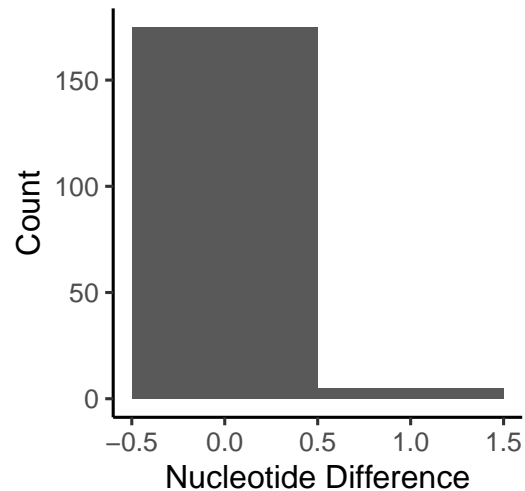
### TRBV6-1\*ap01

5749 sequences assigned  
5497 (95.6%) exact matches, in which:  
5313 unique CDR3  
13 unique J



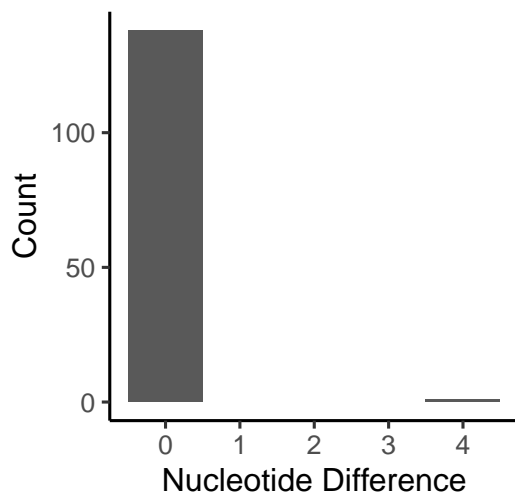
### TRBV6-8\*ap01

180 sequences assigned  
175 (97.2%) exact matches, in which:  
170 unique CDR3  
13 unique J



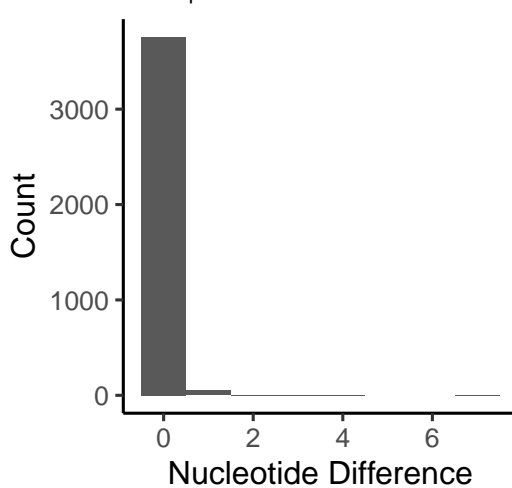
### TRBV5-7\*ap01

139 sequences assigned  
138 (99.3%) exact matches, in which:  
133 unique CDR3  
13 unique J



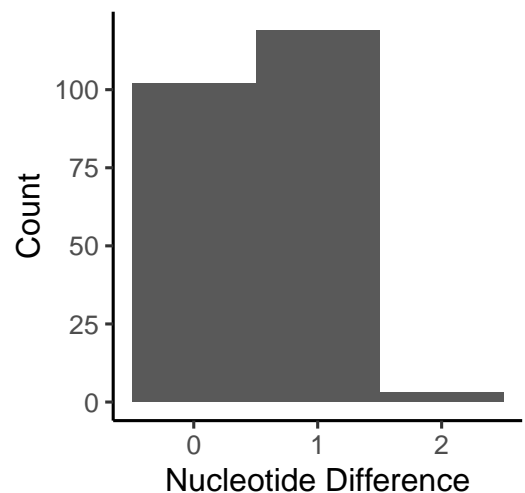
### TRBV6-4\*ap01

3812 sequences assigned  
3756 (98.5%) exact matches, in which:  
3698 unique CDR3  
13 unique J



### TRBV6-9\*ap01

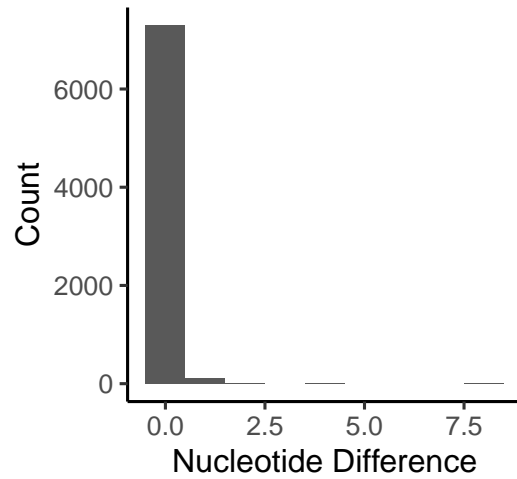
224 sequences assigned  
102 (45.5%) exact matches, in which:  
100 unique CDR3  
13 unique J





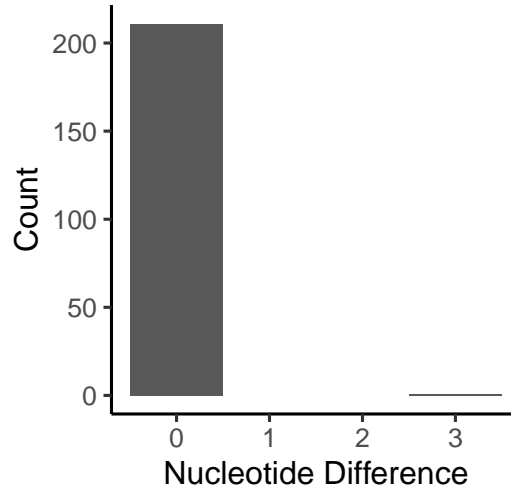
### TRBV6-23\*ap01

7405 sequences assigned  
7295 (98.5%) exact matches, in which:  
6971 unique CDR3  
13 unique J



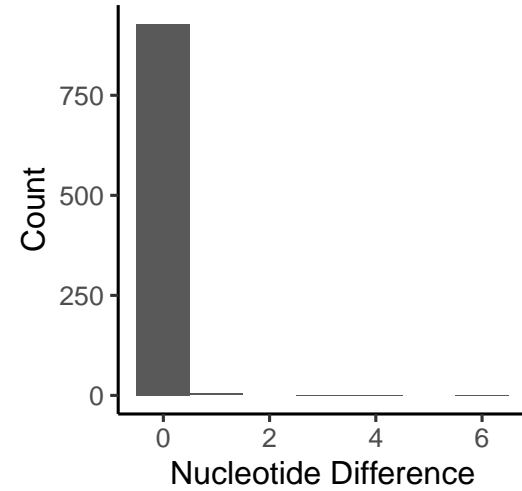
### TRBV7-1\*ap01\_G291C\_

212 sequences assigned  
211 (99.5%) exact matches, in which:  
204 unique CDR3  
13 unique J



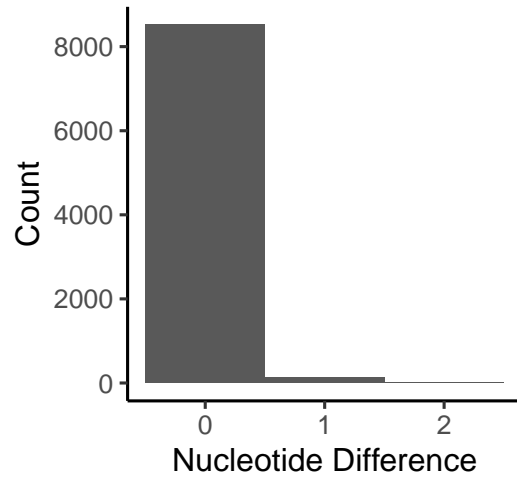
### TRBV7-3\*ap03

937 sequences assigned  
929 (99.1%) exact matches, in which:  
915 unique CDR3  
13 unique J



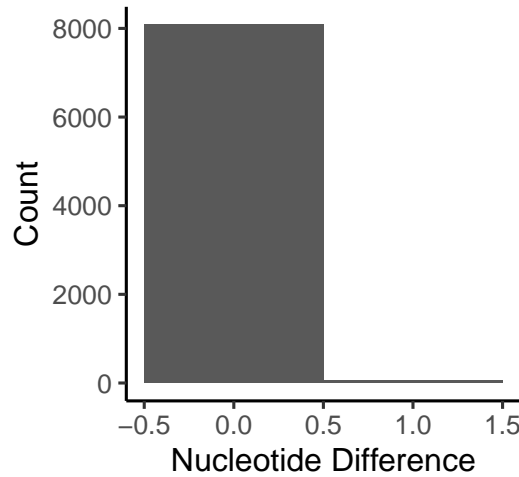
### TRBV6-56\*ap01

8653 sequences assigned  
8521 (98.5%) exact matches, in which:  
8176 unique CDR3  
13 unique J



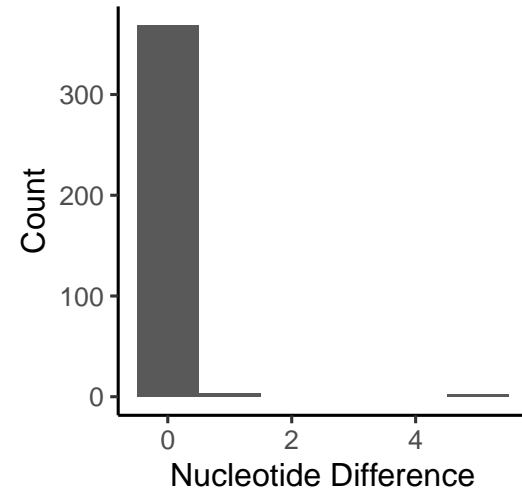
### TRBV7-2\*ap01

8139 sequences assigned  
8083 (99.3%) exact matches, in which:  
7914 unique CDR3  
13 unique J



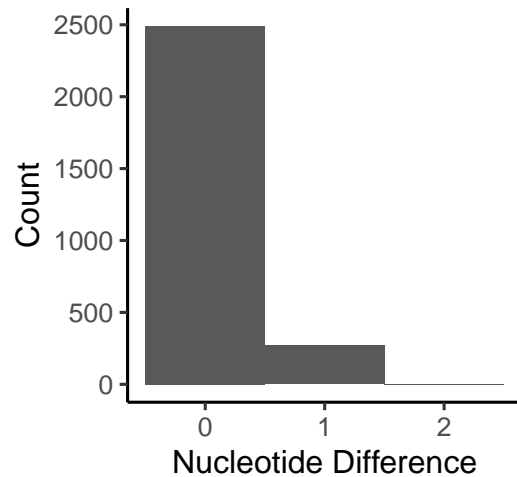
### TRBV7-4\*ap01

374 sequences assigned  
369 (98.7%) exact matches, in which:  
357 unique CDR3  
13 unique J



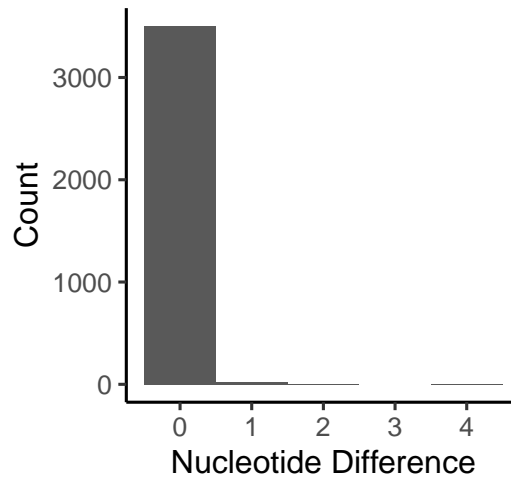
### TRBV6-56\*ap02

2761 sequences assigned  
2491 (90.2%) exact matches, in which:  
2401 unique CDR3  
13 unique J



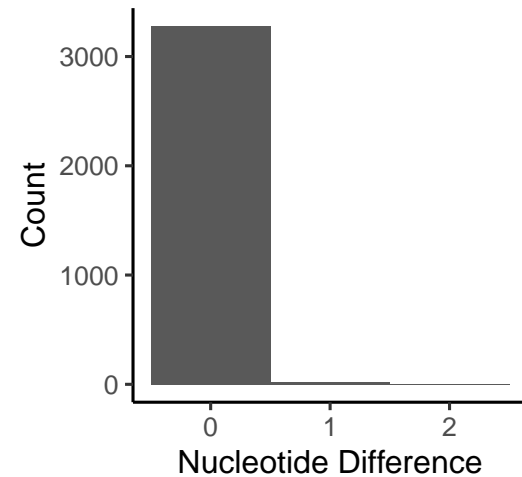
### TRBV7-3\*ap01

3530 sequences assigned  
3503 (99.2%) exact matches, in which:  
3435 unique CDR3  
13 unique J



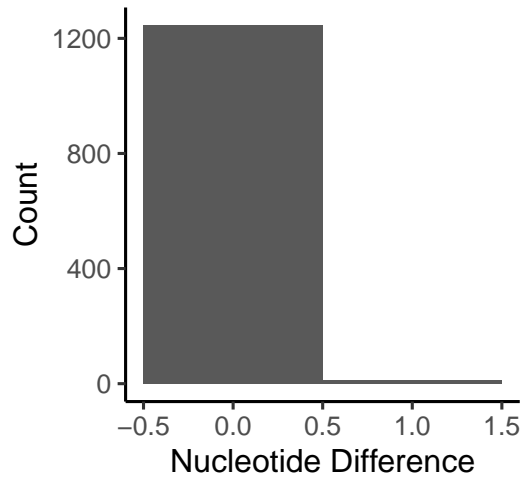
### TRBV7-6\*ap01

3303 sequences assigned  
3279 (99.3%) exact matches, in which:  
3185 unique CDR3  
13 unique J



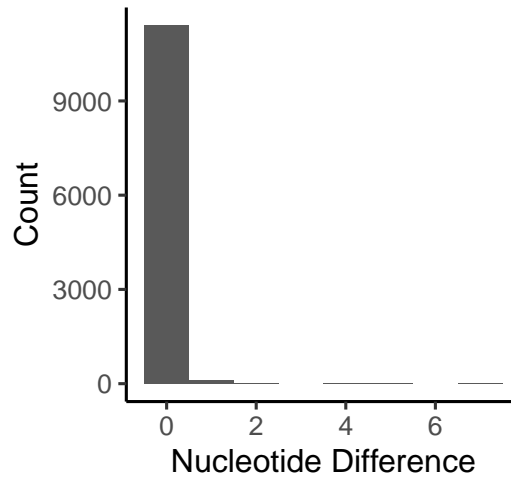
### TRBV7-7\*ap01

1256 sequences assigned  
1245 (99.1%) exact matches, in which:  
1214 unique CDR3  
13 unique J



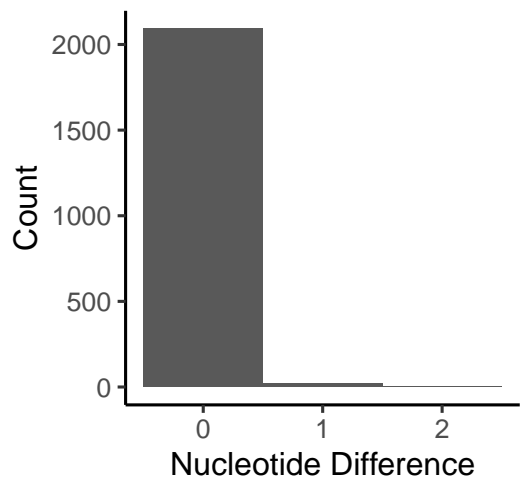
### TRBV7-9\*ap01

11532 sequences assigned  
11404 (98.9%) exact matches, in which:  
11092 unique CDR3  
13 unique J



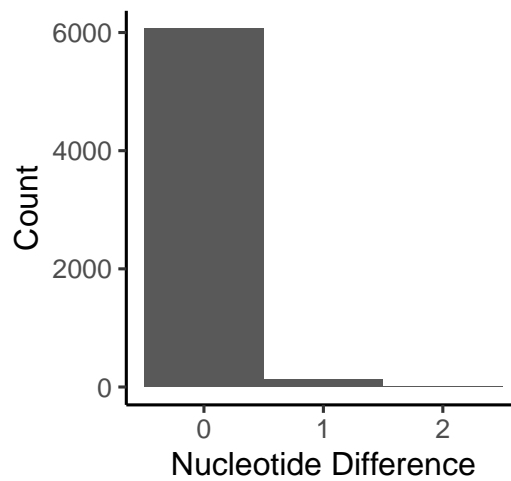
### TRBV7-8\*ap01

2111 sequences assigned  
2092 (99.1%) exact matches, in which:  
2052 unique CDR3  
13 unique J



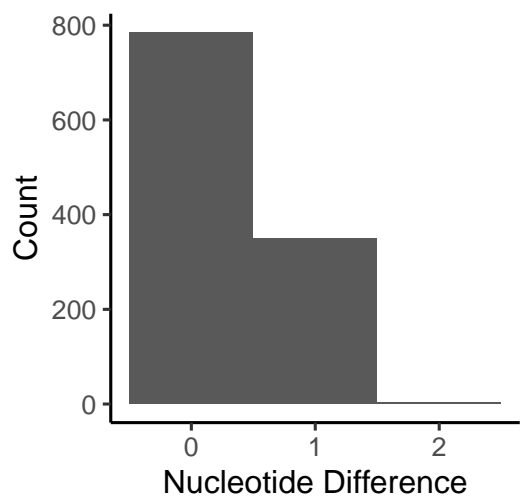
### TRBV29-1\*ap01

6188 sequences assigned  
6064 (98%) exact matches, in which:  
5862 unique CDR3  
13 unique J



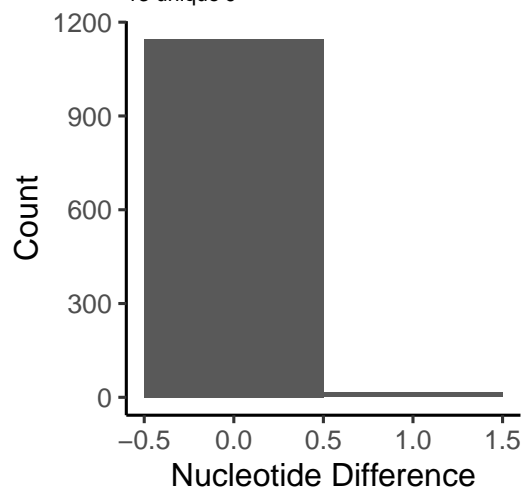
### TRBV7-8\*ap03

1137 sequences assigned  
785 (69%) exact matches, in which:  
768 unique CDR3  
13 unique J



### TRBV29-1\*ap02

1161 sequences assigned  
1146 (98.7%) exact matches, in which:  
1114 unique CDR3  
13 unique J



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

