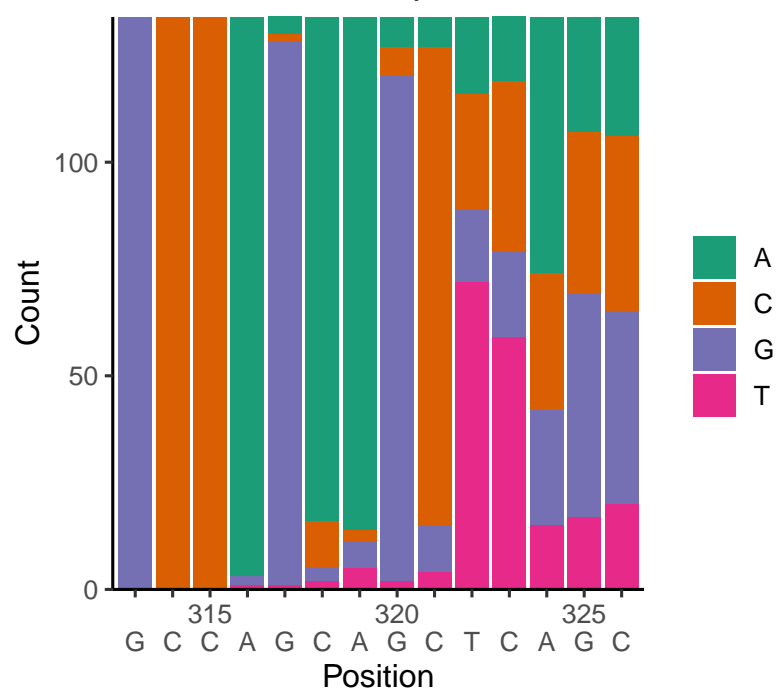
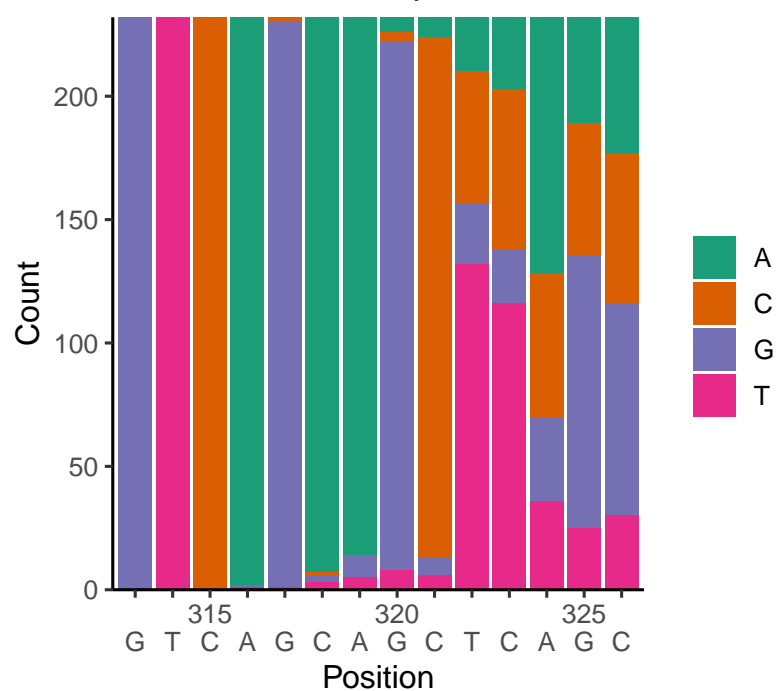


Gene TRBV7-1\*ap01\_G291C\_T296C



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



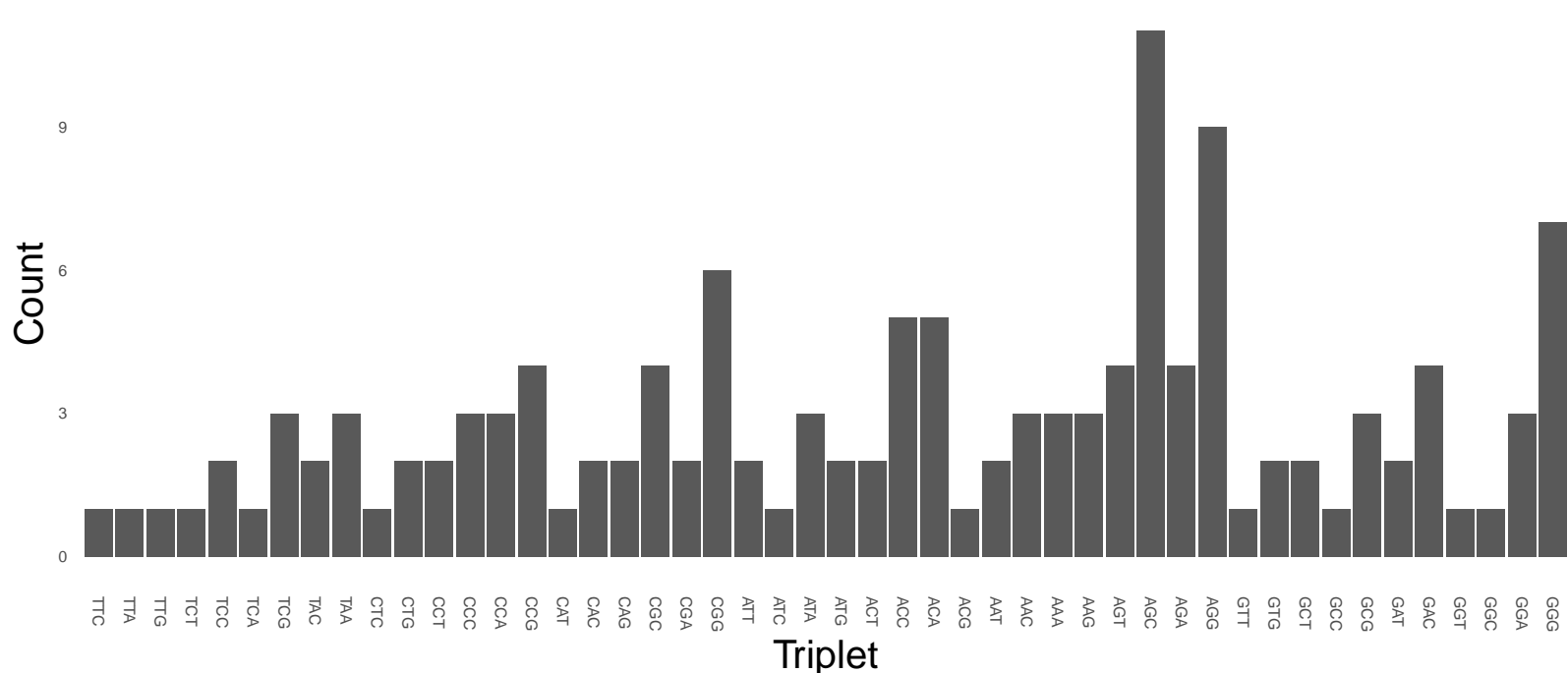
Gene TRBV7-1\*ap01\_G291C\_T296C



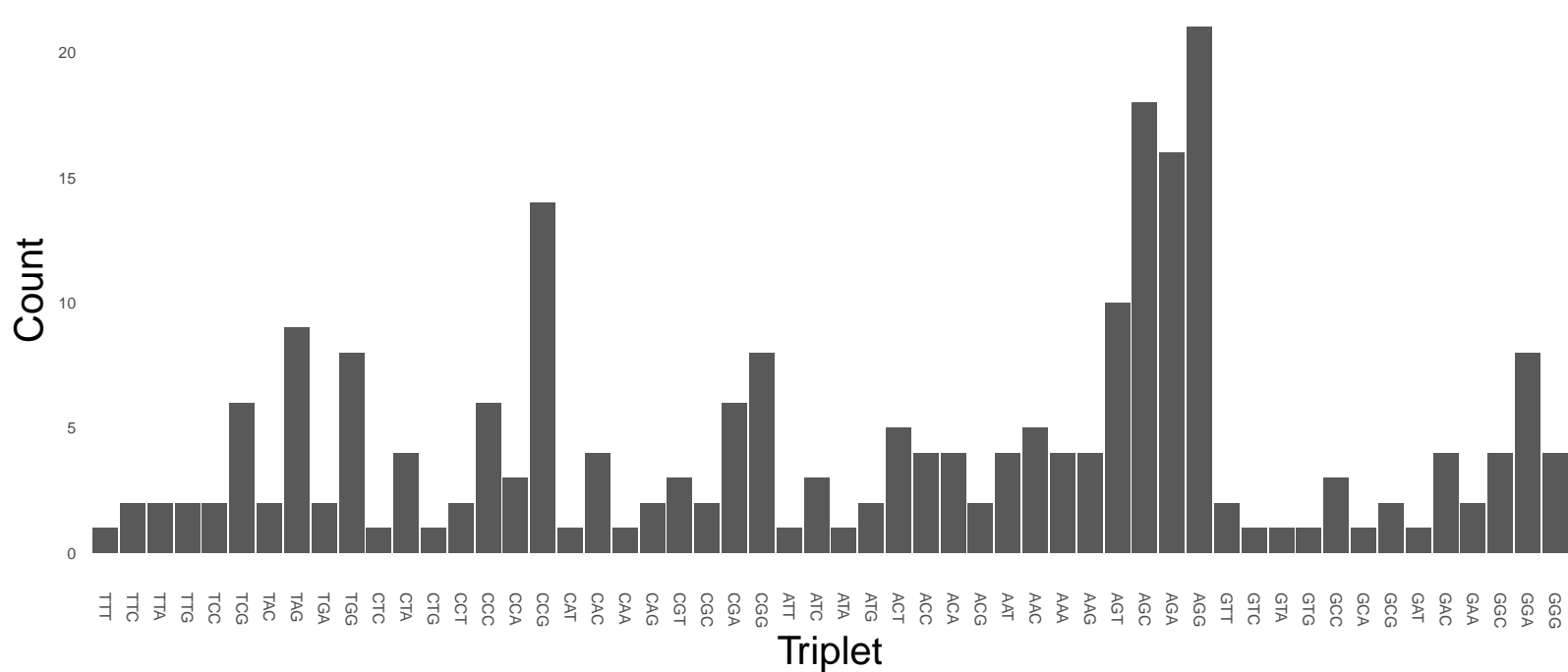
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

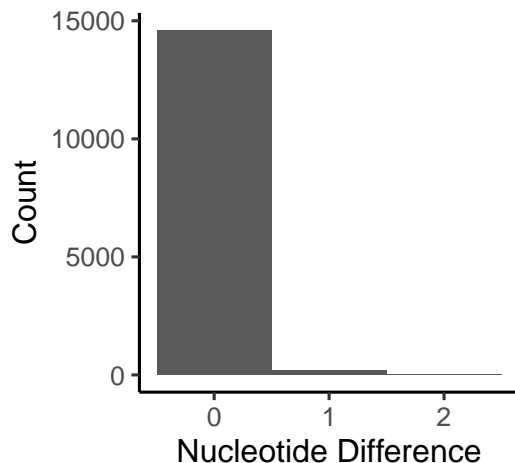


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



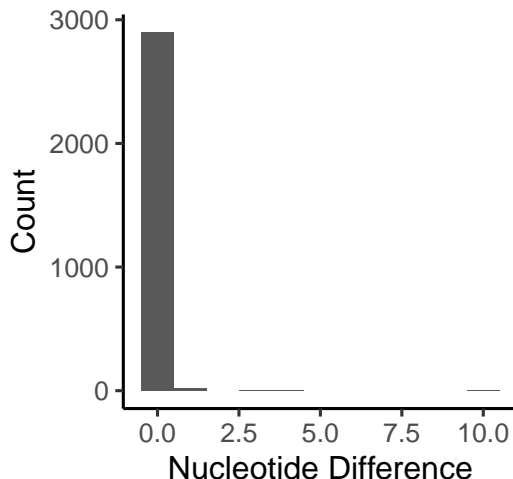
### TRBV20-1\*ap01

14789 sequences assigned  
14605 (98.8%) exact matches, in which:  
14373 unique CDR3  
13 unique J



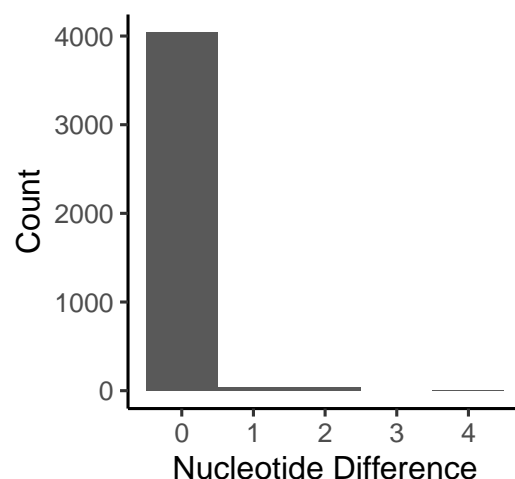
### TRBV10-2\*ap01

2921 sequences assigned  
2898 (99.2%) exact matches, in which:  
2849 unique CDR3  
13 unique J



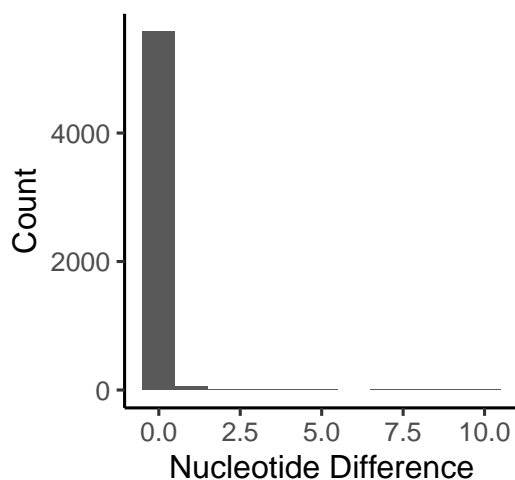
### TRBV13\*ap01

4127 sequences assigned  
4041 (97.9%) exact matches, in which:  
3927 unique CDR3  
13 unique J



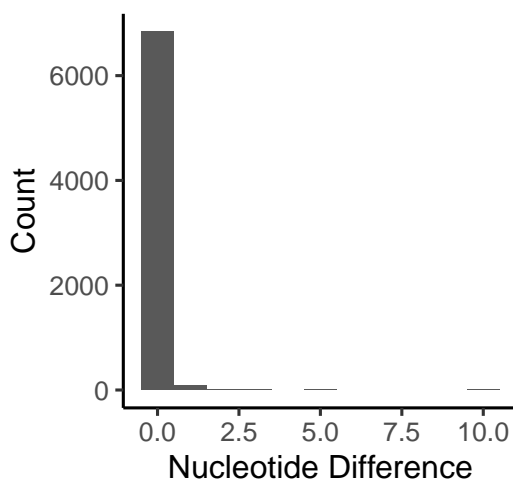
### TRBV10-1\*ap01

5643 sequences assigned  
5577 (98.8%) exact matches, in which:  
5465 unique CDR3  
13 unique J



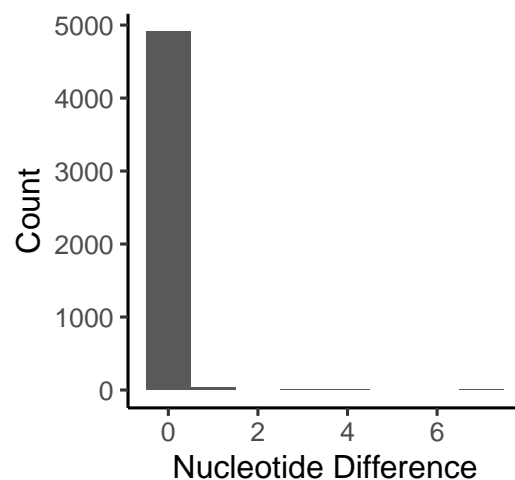
### TRBV10-3\*ap01

6928 sequences assigned  
6838 (98.7%) exact matches, in which:  
6705 unique CDR3  
13 unique J



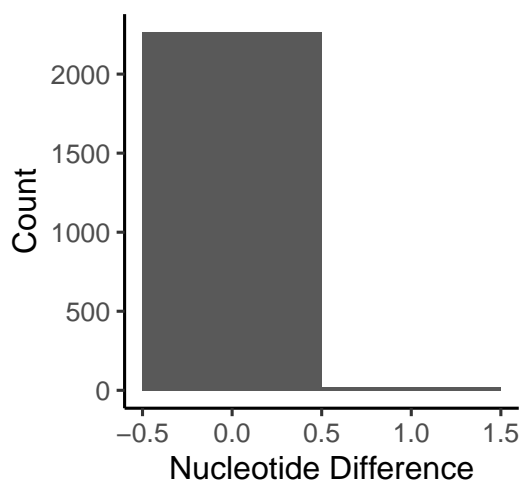
### TRBV14\*ap01

4946 sequences assigned  
4909 (99.3%) exact matches, in which:  
4847 unique CDR3  
13 unique J



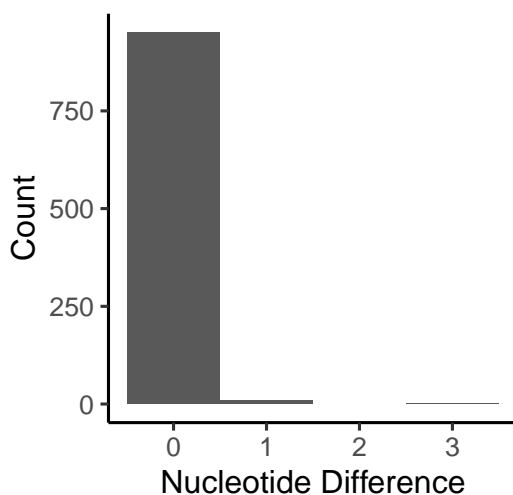
### TRBV20-1\*ap02

2287 sequences assigned  
2266 (99.1%) exact matches, in which:  
2234 unique CDR3  
13 unique J



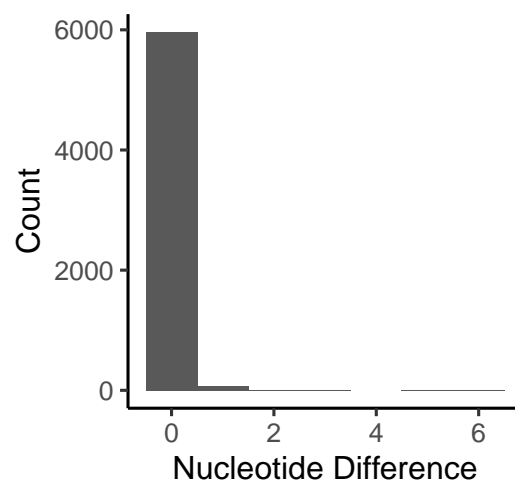
### TRBV1\*ap01

961 sequences assigned  
951 (99%) exact matches, in which:  
925 unique CDR3  
13 unique J



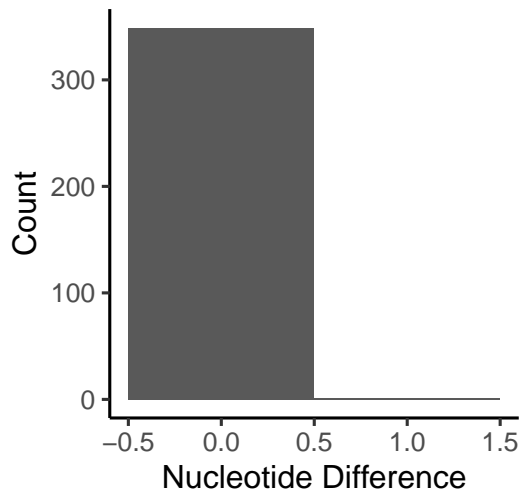
### TRBV15\*ap02

6041 sequences assigned  
5963 (98.7%) exact matches, in which:  
5842 unique CDR3  
13 unique J



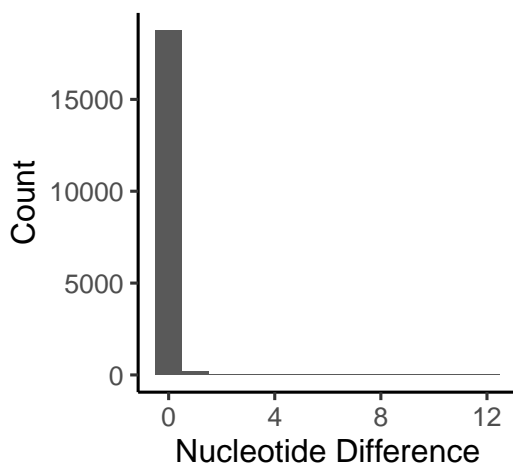
### TRBV16\*ap01

350 sequences assigned  
349 (99.7%) exact matches, in which:  
348 unique CDR3  
13 unique J



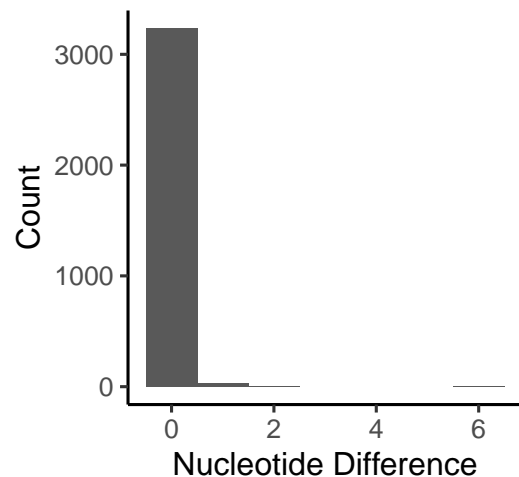
### TRBV19\*ap01

18976 sequences assigned  
18769 (98.9%) exact matches, in which:  
18586 unique CDR3  
13 unique J



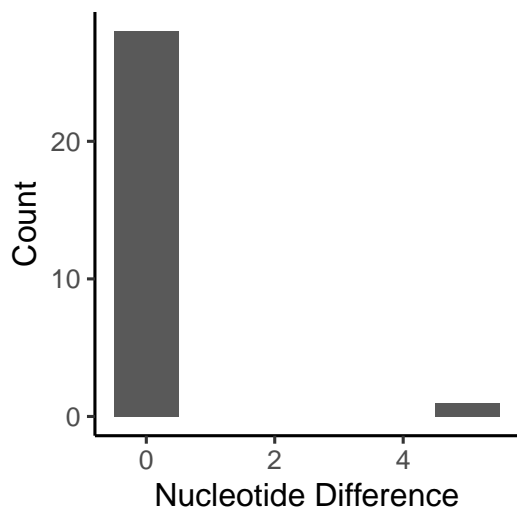
### TRBV28\*ap01

3269 sequences assigned  
3234 (98.9%) exact matches, in which:  
3186 unique CDR3  
13 unique J



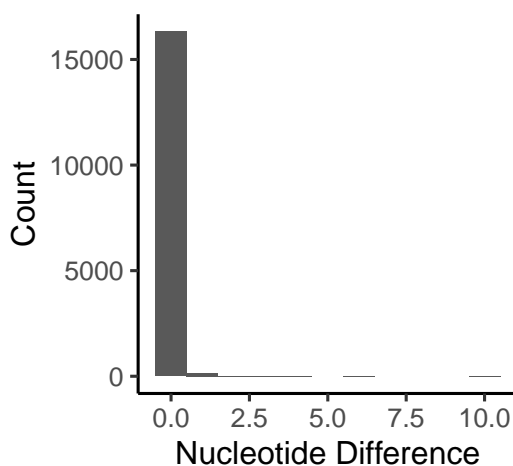
### TRBV17\*ap01

29 sequences assigned  
28 (96.6%) exact matches, in which:  
28 unique CDR3  
10 unique J



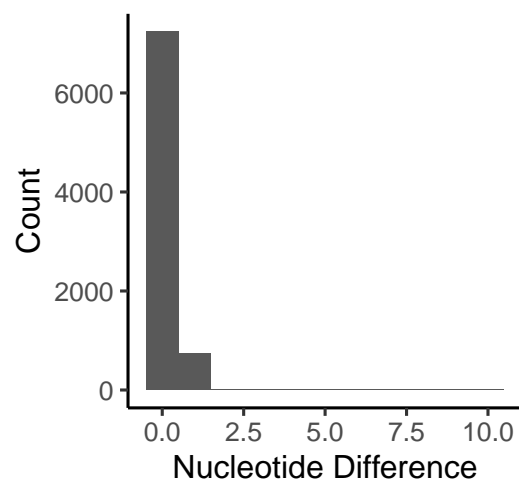
### TRBV2\*ap01

16504 sequences assigned  
16326 (98.9%) exact matches, in which:  
16035 unique CDR3  
13 unique J



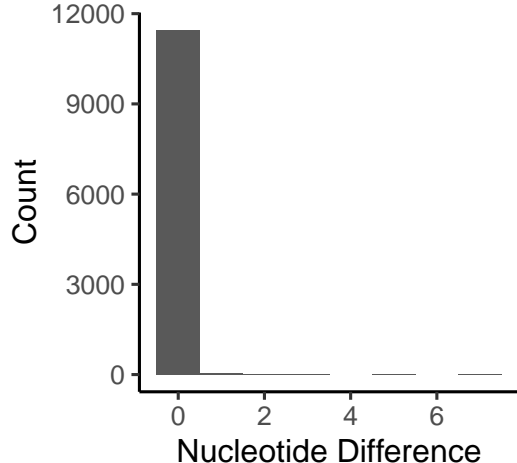
### TRBV30\*ap01

7998 sequences assigned  
7237 (90.5%) exact matches, in which:  
7151 unique CDR3  
13 unique J



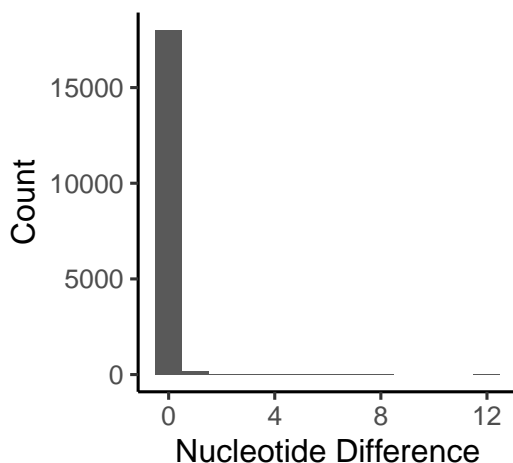
### TRBV18\*ap01

11515 sequences assigned  
11464 (99.6%) exact matches, in which:  
11362 unique CDR3  
13 unique J



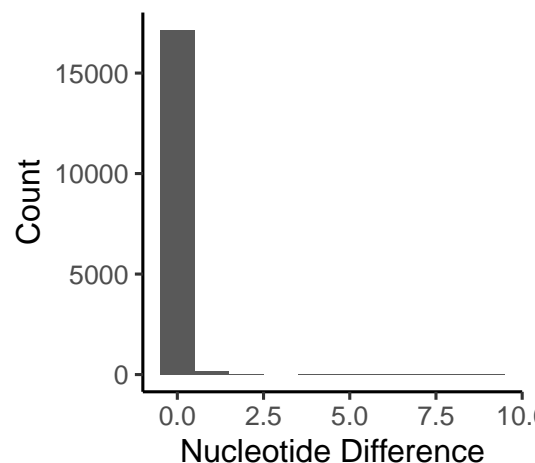
### TRBV27\*ap01

18230 sequences assigned  
18021 (98.9%) exact matches, in which:  
17615 unique CDR3  
13 unique J



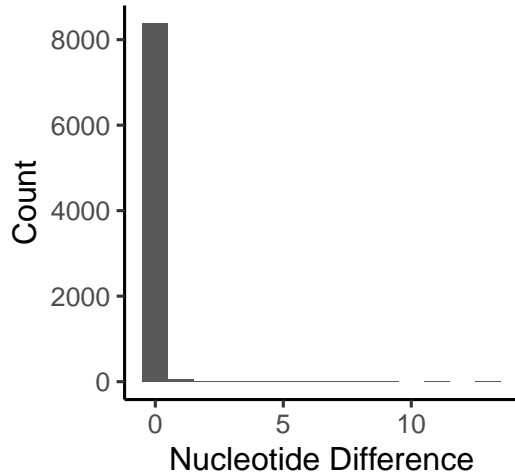
### TRBV9\*ap01

17335 sequences assigned  
17153 (99%) exact matches, in which:  
16866 unique CDR3  
13 unique J



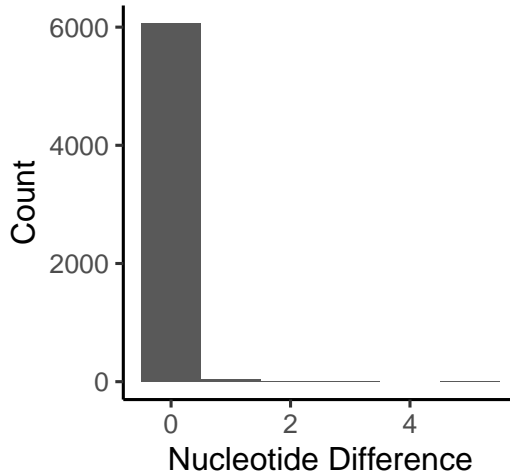
### TRBV21-1\*ap01

8496 sequences assigned  
8380 (98.6%) exact matches, in which:  
8272 unique CDR3  
13 unique J



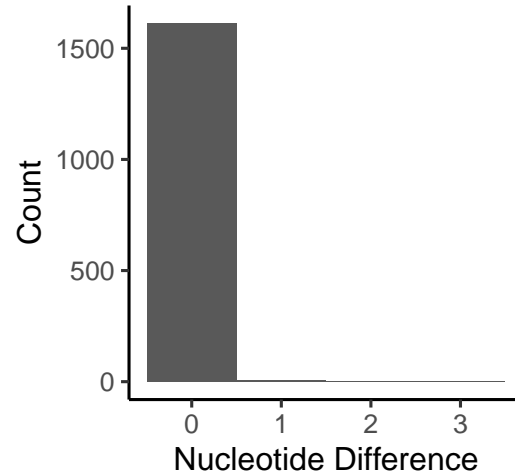
### TRBV11-3\*ap01

6120 sequences assigned  
6063 (99.1%) exact matches, in which:  
5965 unique CDR3  
13 unique J



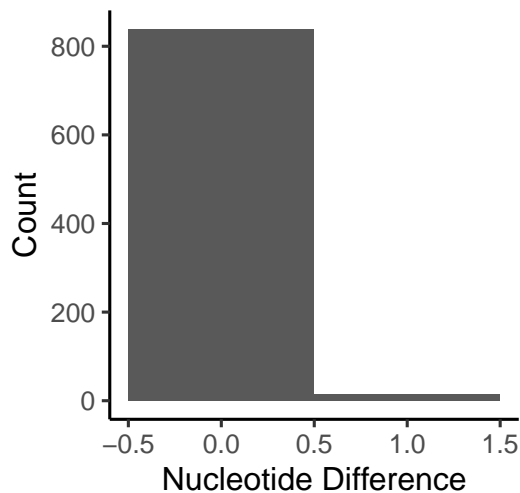
### TRBV12-5\*ap01

1622 sequences assigned  
1612 (99.4%) exact matches, in which:  
1581 unique CDR3  
13 unique J



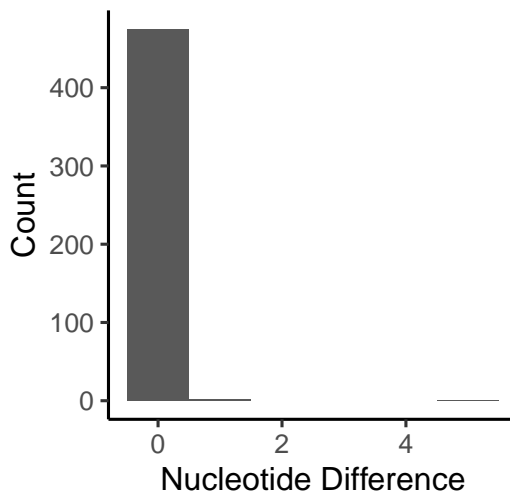
### TRBV11-1\*ap01

853 sequences assigned  
839 (98.4%) exact matches, in which:  
816 unique CDR3  
13 unique J



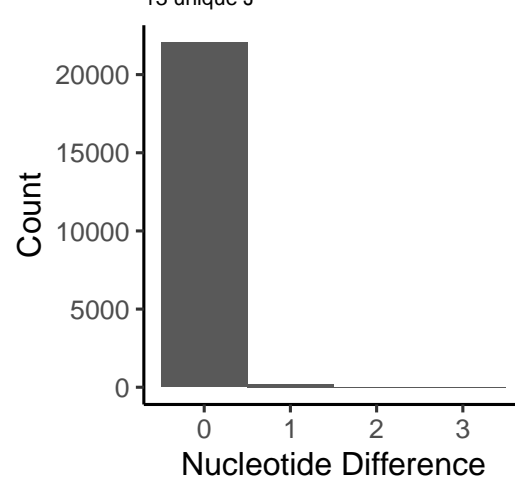
### TRBV12-1\*ap01

478 sequences assigned  
475 (99.4%) exact matches, in which:  
471 unique CDR3  
13 unique J



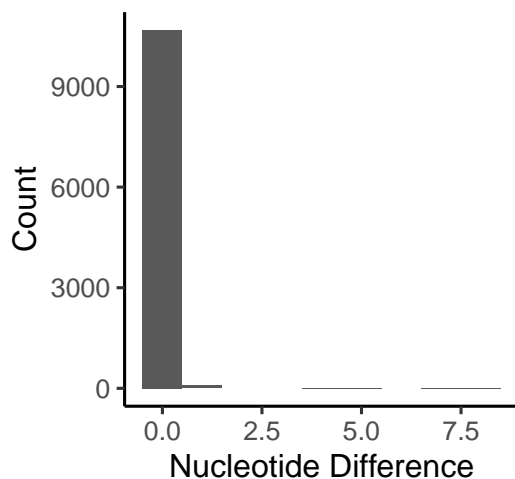
### TRBV12-34\*ap01

22285 sequences assigned  
22056 (99%) exact matches, in which:  
21652 unique CDR3  
13 unique J



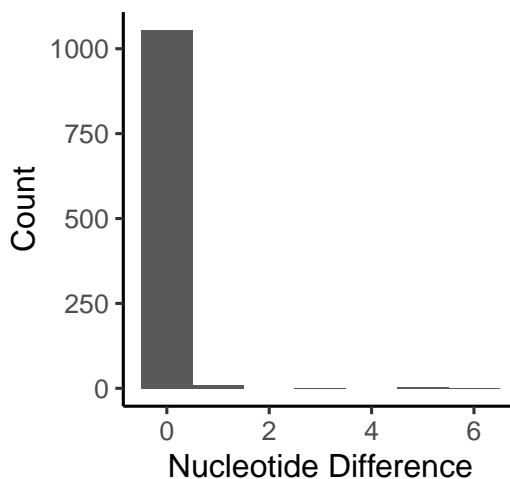
### TRBV11-2\*ap01

10769 sequences assigned  
10684 (99.2%) exact matches, in which:  
10491 unique CDR3  
13 unique J



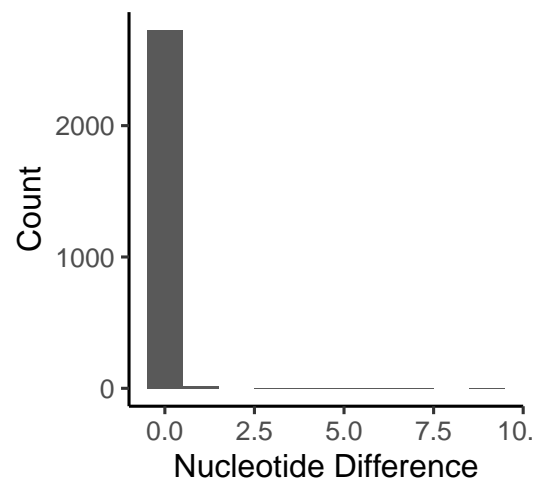
### TRBV12-2\*ap01

1069 sequences assigned  
1055 (98.7%) exact matches, in which:  
1033 unique CDR3  
13 unique J



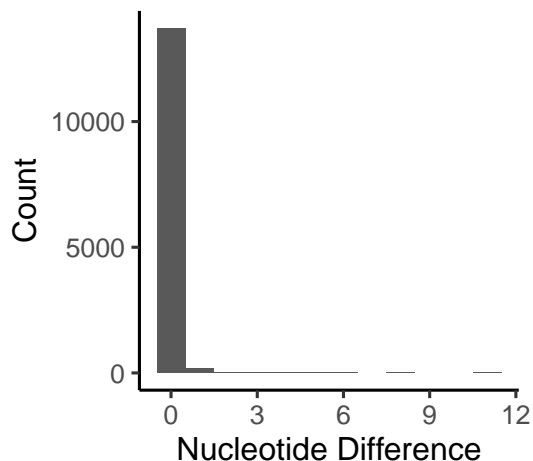
### TRBV23-1\*ap01

2755 sequences assigned  
2728 (99%) exact matches, in which:  
2686 unique CDR3  
13 unique J



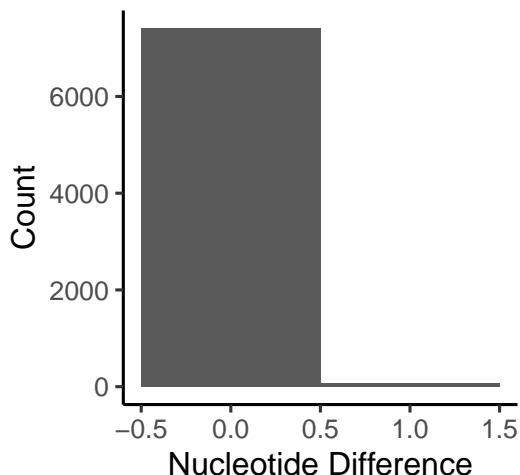
### TRBV3-12\*ap01

13903 sequences assigned  
13716 (98.7%) exact matches, in which:  
13469 unique CDR3  
13 unique J



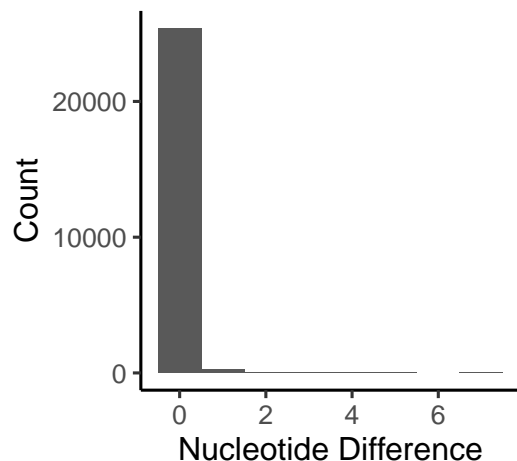
### TRBV4-2\*ap01

7479 sequences assigned  
7407 (99%) exact matches, in which:  
7272 unique CDR3  
13 unique J



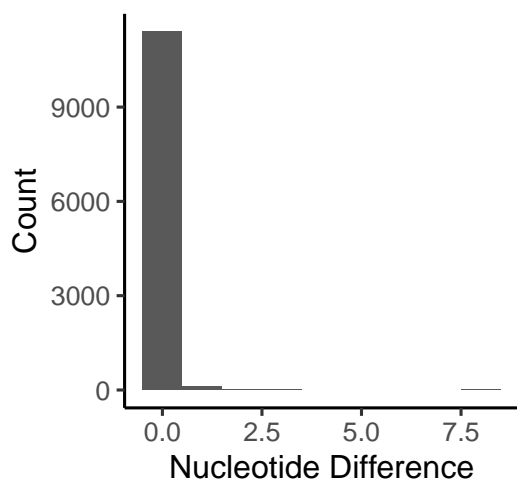
### TRBV5-1\*ap01

25656 sequences assigned  
25400 (99%) exact matches, in which:  
24860 unique CDR3  
13 unique J



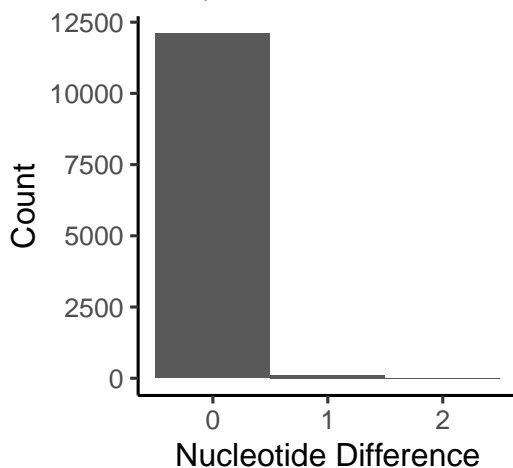
### TRBV4-1\*ap01

11509 sequences assigned  
11397 (99%) exact matches, in which:  
11173 unique CDR3  
13 unique J



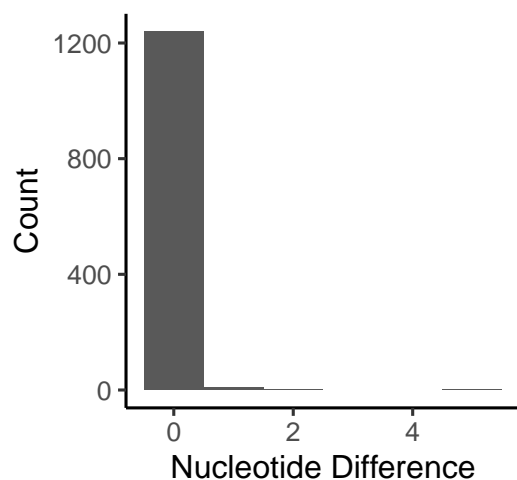
### TRBV4-3\*ap01

12227 sequences assigned  
12103 (99%) exact matches, in which:  
11901 unique CDR3  
13 unique J



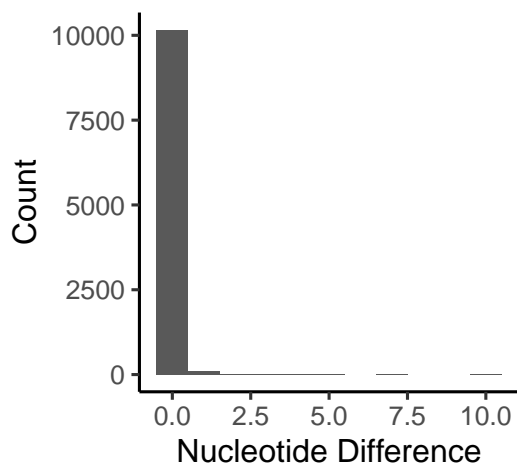
### TRBV5-3\*ap01

1252 sequences assigned  
1239 (99%) exact matches, in which:  
1223 unique CDR3  
13 unique J



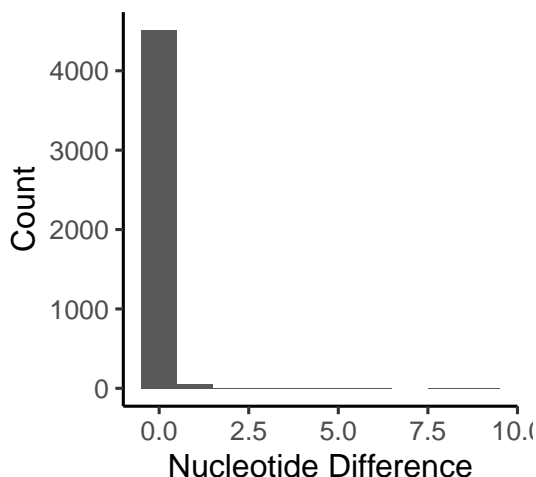
### TRBV24-1\*ap01

10294 sequences assigned  
10163 (98.7%) exact matches, in which:  
10009 unique CDR3  
13 unique J



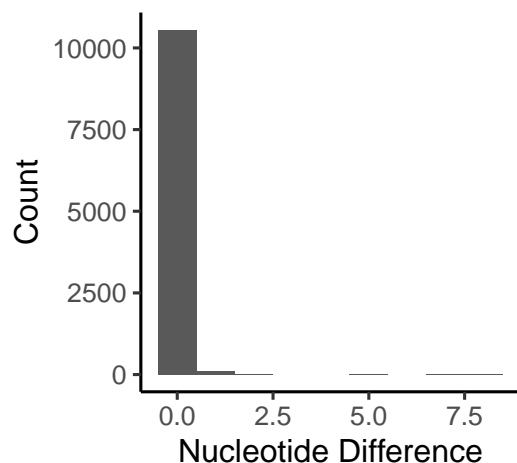
### TRBV25-1\*ap01

4579 sequences assigned  
4513 (98.6%) exact matches, in which:  
4442 unique CDR3  
13 unique J



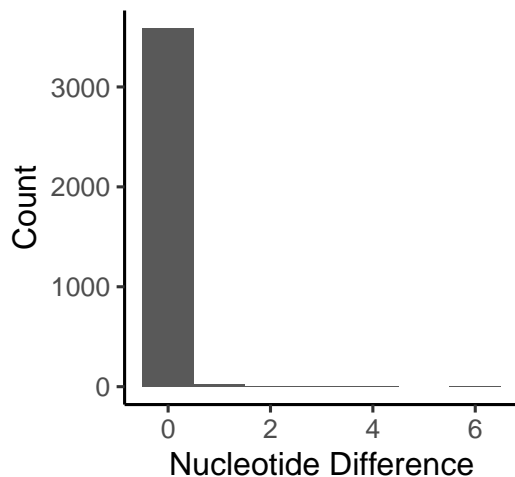
### TRBV5-4\*ap01

10676 sequences assigned  
10555 (98.9%) exact matches, in which:  
10347 unique CDR3  
13 unique J



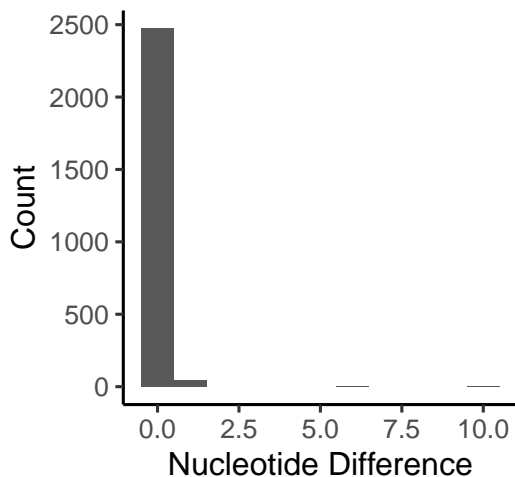
### TRBV5-5\*ap01

3614 sequences assigned  
3586 (99.2%) exact matches, in which:  
3555 unique CDR3  
13 unique J



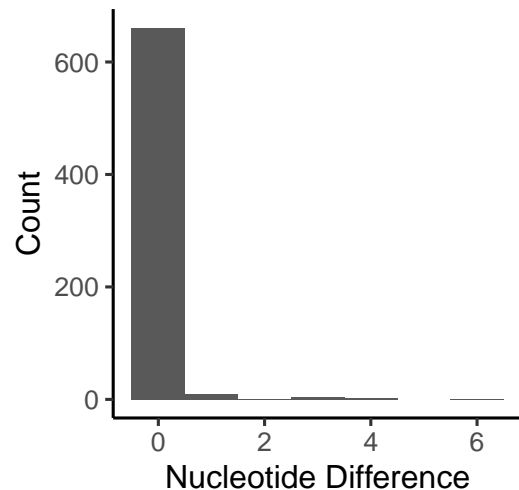
### TRBV5-8\*ap01

2519 sequences assigned  
2474 (98.2%) exact matches, in which:  
2432 unique CDR3  
13 unique J



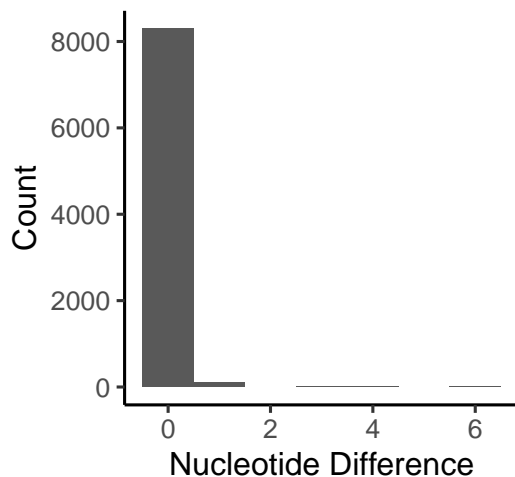
### TRBV6-7\*ap01

678 sequences assigned  
661 (97.5%) exact matches, in which:  
646 unique CDR3  
13 unique J



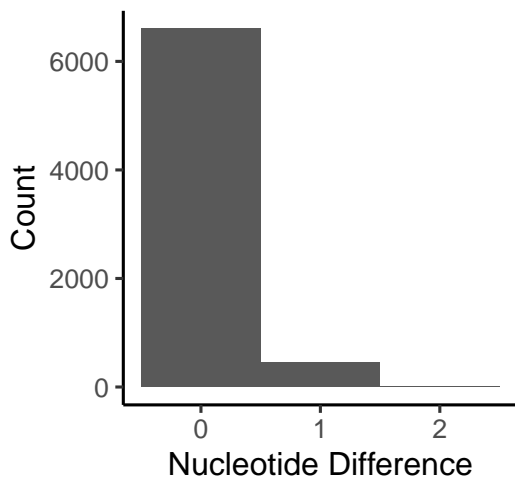
### TRBV5-6\*ap01

8392 sequences assigned  
8296 (98.9%) exact matches, in which:  
8138 unique CDR3  
13 unique J



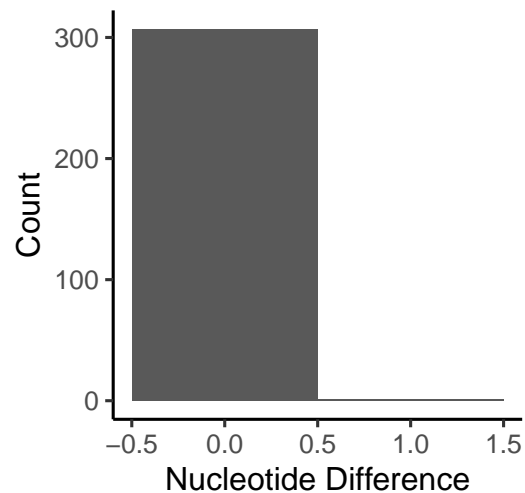
### TRBV6-1\*ap01

7050 sequences assigned  
6602 (93.6%) exact matches, in which:  
6473 unique CDR3  
13 unique J



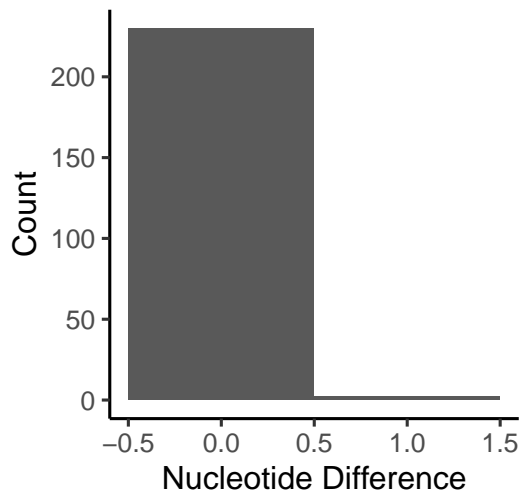
### TRBV6-8\*ap01

308 sequences assigned  
307 (99.7%) exact matches, in which:  
297 unique CDR3  
13 unique J



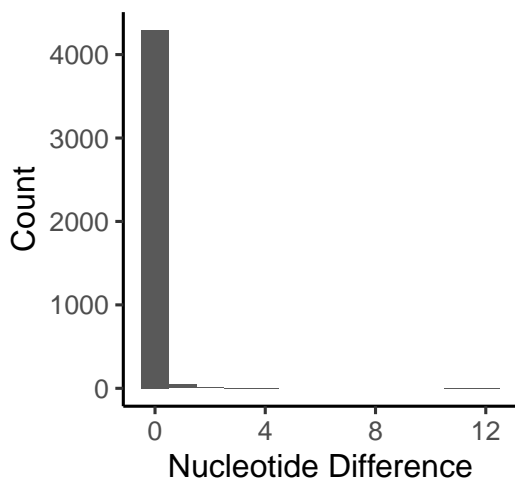
### TRBV5-7\*ap01

232 sequences assigned  
230 (99.1%) exact matches, in which:  
228 unique CDR3  
13 unique J



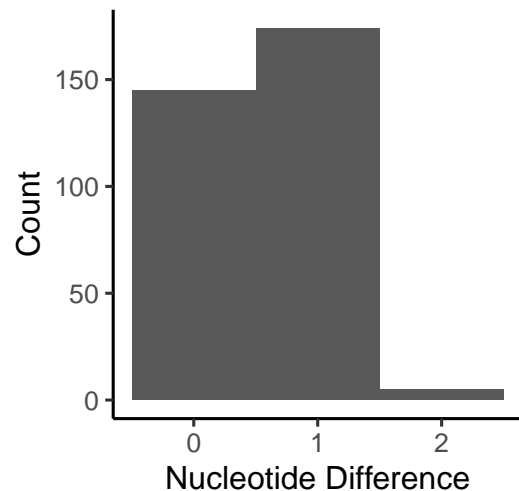
### TRBV6-4\*ap01

4358 sequences assigned  
4294 (98.5%) exact matches, in which:  
4227 unique CDR3  
13 unique J



### TRBV6-9\*ap01

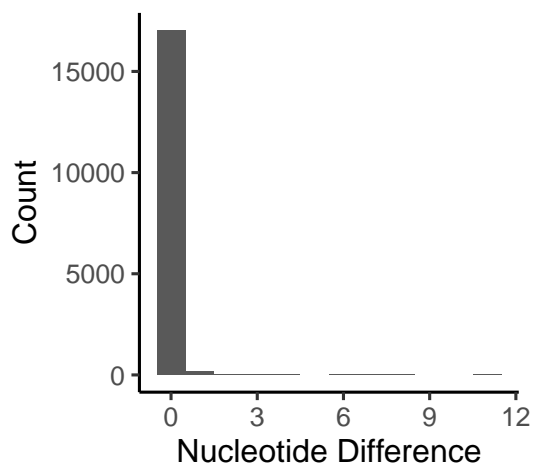
324 sequences assigned  
145 (44.8%) exact matches, in which:  
145 unique CDR3  
13 unique J





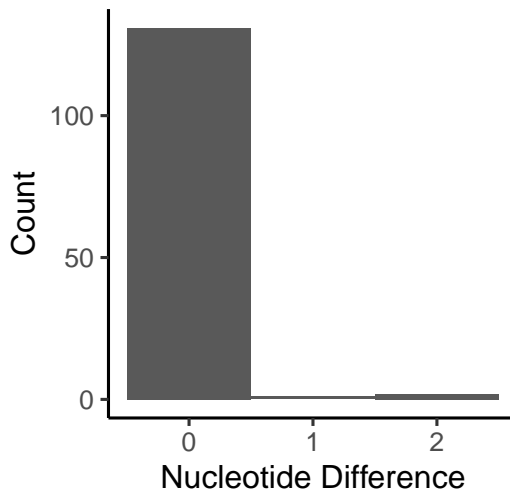
### TRBV6-23\*ap01

17239 sequences assigned  
17041 (98.9%) exact matches, in which:  
16632 unique CDR3  
14 unique J



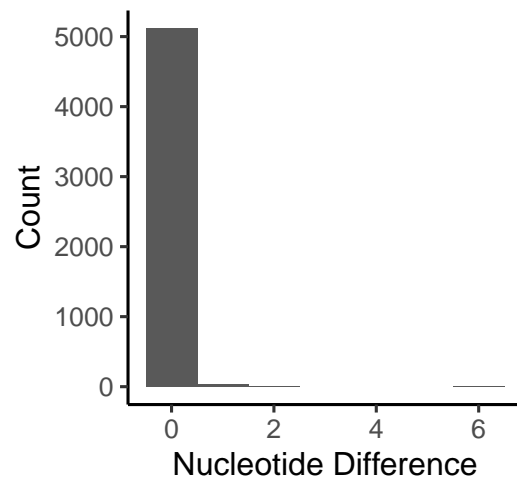
### TRBV7-1\*ap01\_G291C\_

134 sequences assigned  
131 (97.8%) exact matches, in which:  
131 unique CDR3  
13 unique J



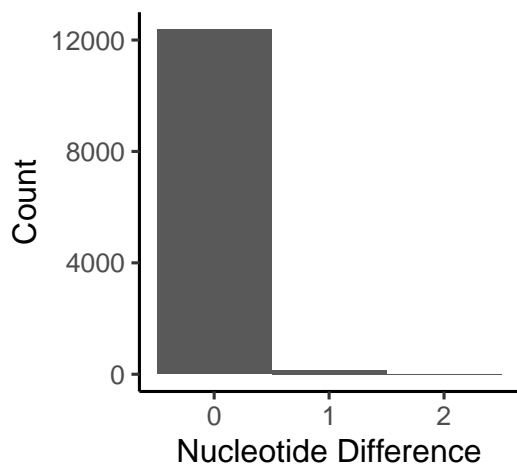
### TRBV7-3\*ap01

5158 sequences assigned  
5117 (99.2%) exact matches, in which:  
5043 unique CDR3  
13 unique J



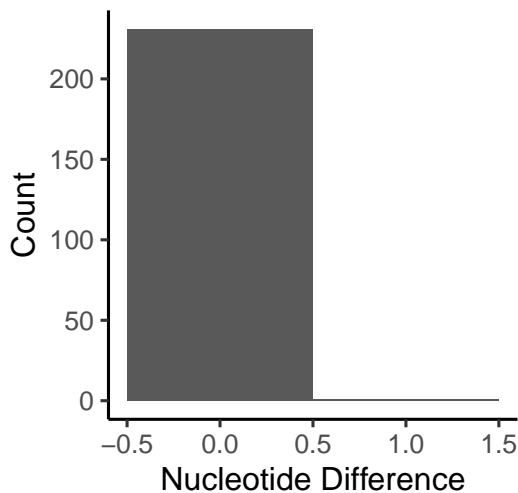
### TRBV6-56\*ap01

12536 sequences assigned  
12379 (98.7%) exact matches, in which:  
12151 unique CDR3  
13 unique J



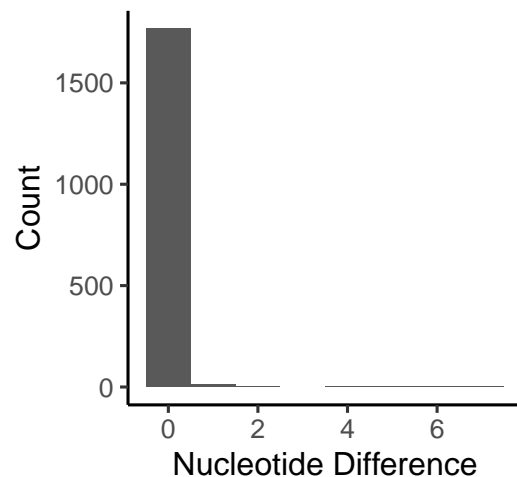
### TRBV7-1\*ap01\_G291C\_

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



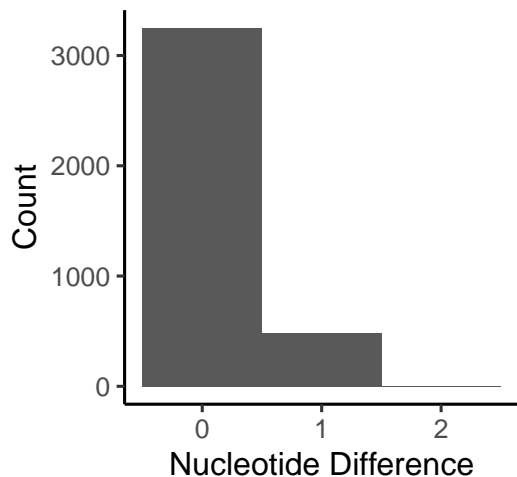
### TRBV7-3\*ap02

1786 sequences assigned  
1767 (98.9%) exact matches, in which:  
1747 unique CDR3  
13 unique J



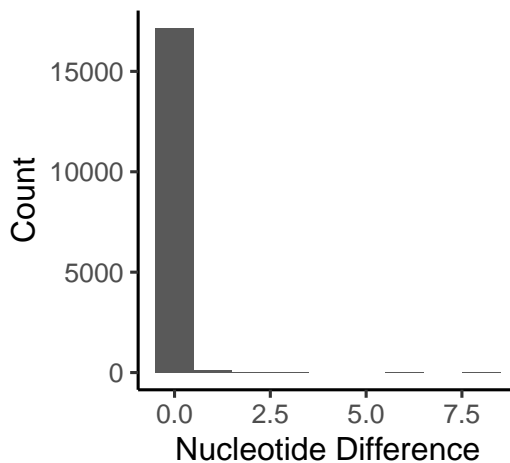
### TRBV6-56\*ap02

3732 sequences assigned  
3249 (87.1%) exact matches, in which:  
3187 unique CDR3  
13 unique J



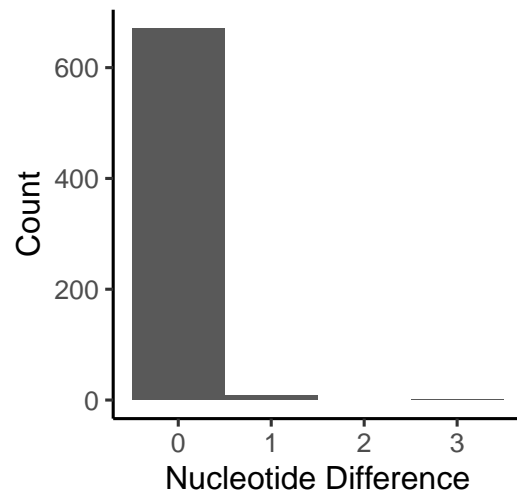
### TRBV7-2\*ap01

17305 sequences assigned  
17170 (99.2%) exact matches, in which:  
16925 unique CDR3  
13 unique J



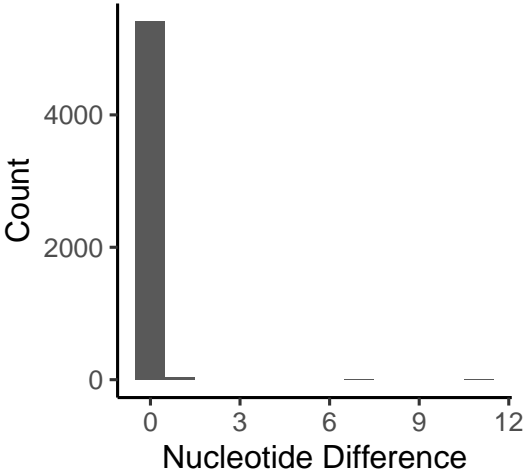
### TRBV7-4\*ap01

680 sequences assigned  
671 (98.7%) exact matches, in which:  
664 unique CDR3  
13 unique J



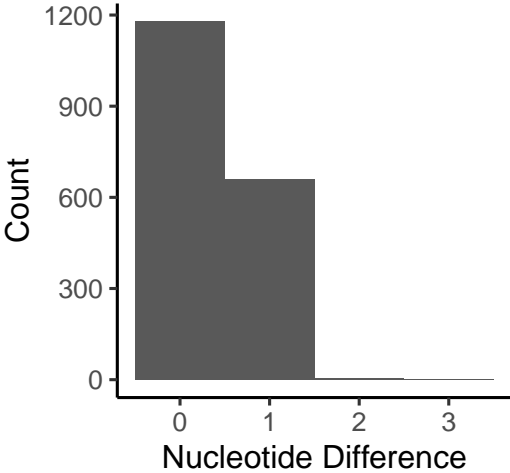
TRBV7-6\*ap01

5452 sequences assigned  
5412 (99.3%) exact matches, in which:  
5323 unique CDR3  
13 unique J



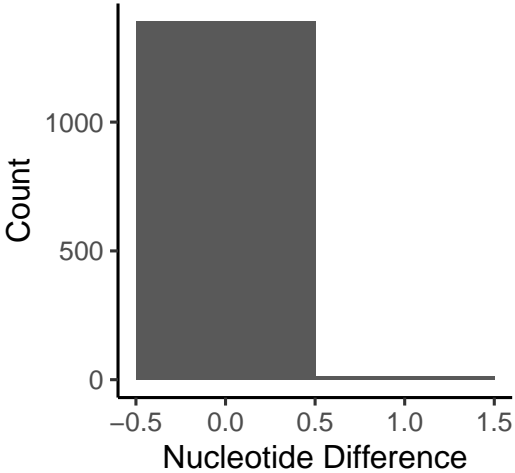
TRBV7-8\*ap03

1846 sequences assigned  
1179 (63.9%) exact matches, in which:  
1150 unique CDR3  
13 unique J



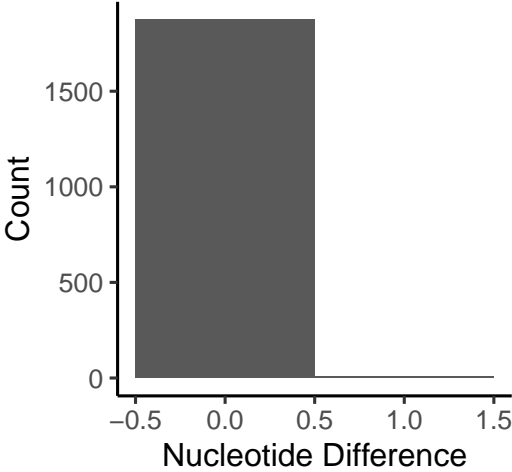
TRBV29-1\*ap02

1405 sequences assigned  
1391 (99%) exact matches, in which:  
1378 unique CDR3  
13 unique J



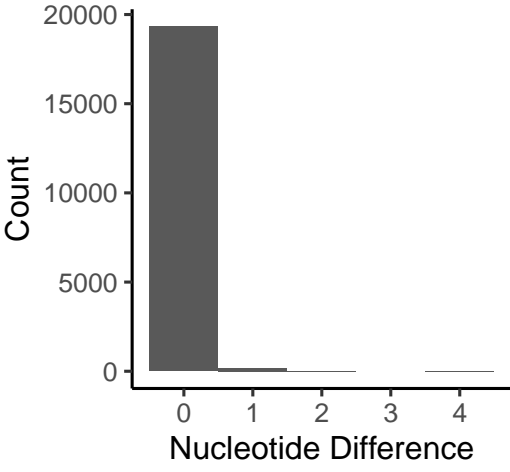
TRBV7-7\*ap01

1884 sequences assigned  
1874 (99.5%) exact matches, in which:  
1843 unique CDR3  
14 unique J



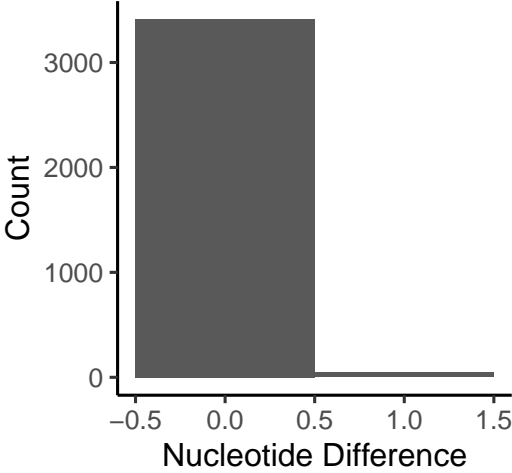
TRBV7-9\*ap01

19513 sequences assigned  
19330 (99.1%) exact matches, in which:  
19064 unique CDR3  
13 unique J



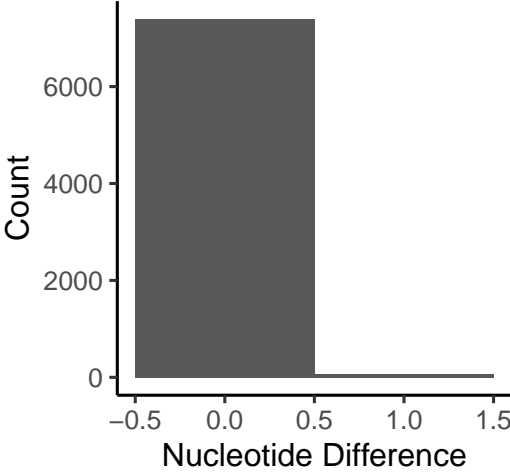
TRBV7-8\*ap01

3460 sequences assigned  
3414 (98.7%) exact matches, in which:  
3333 unique CDR3  
13 unique J

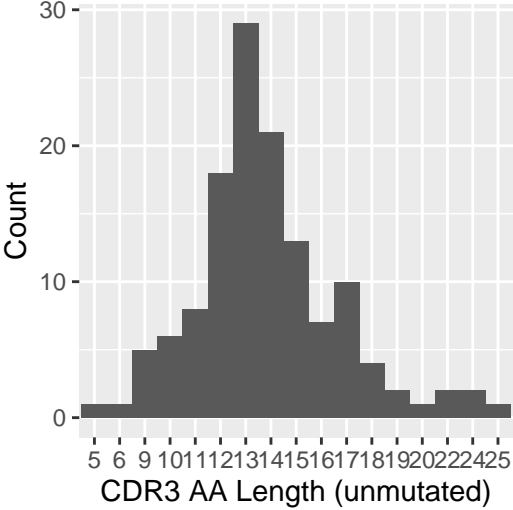


TRBV29-1\*ap01

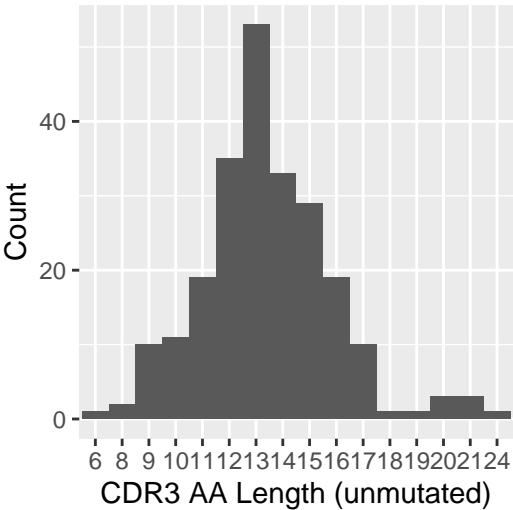
7468 sequences assigned  
7394 (99%) exact matches, in which:  
7296 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



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





Warning – no inferred sequences found.