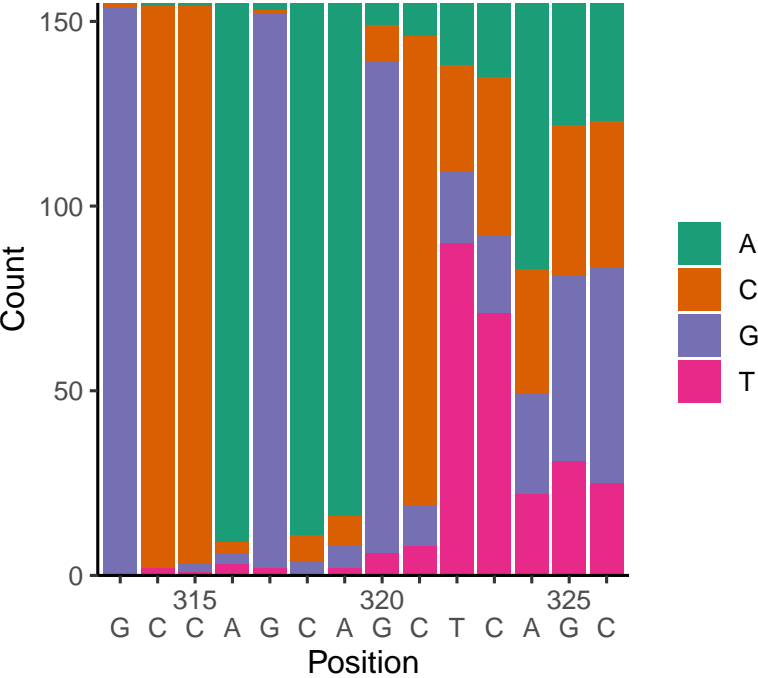
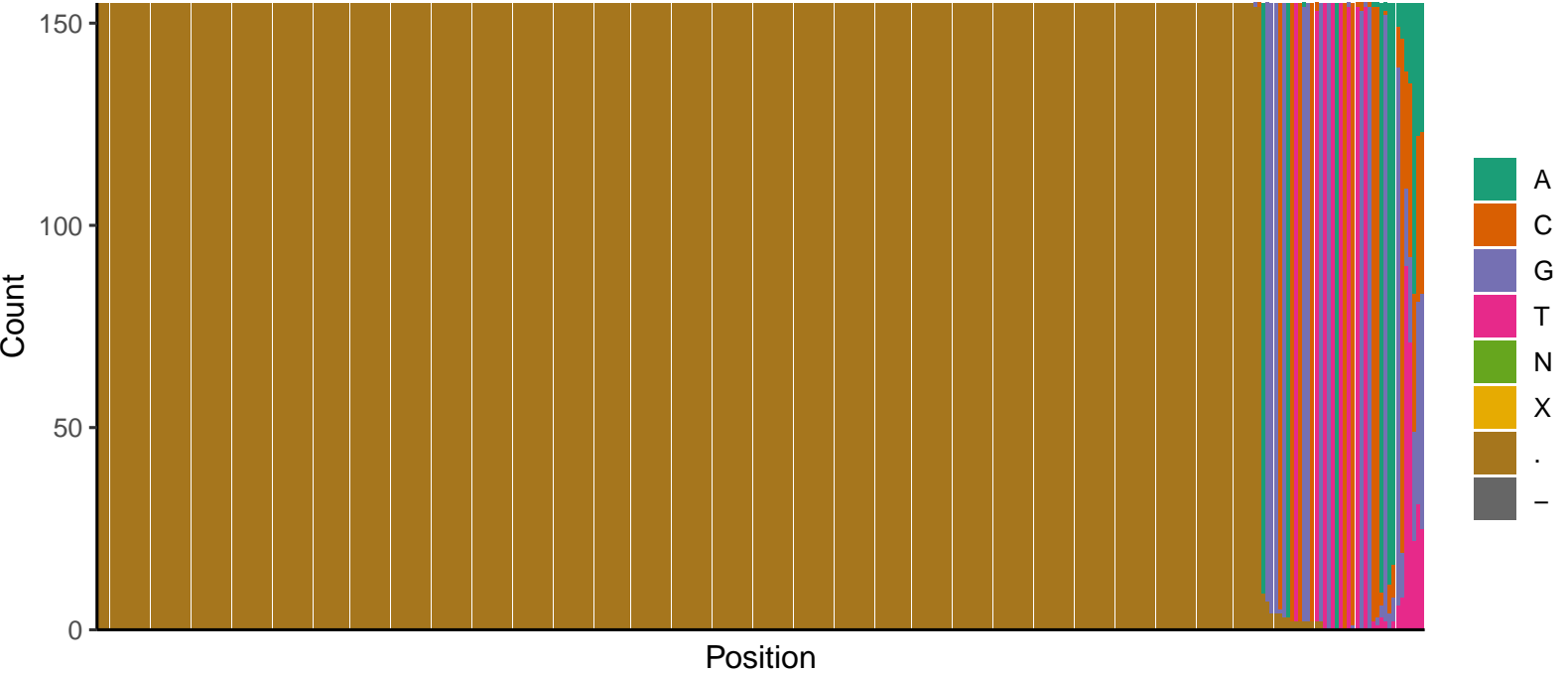


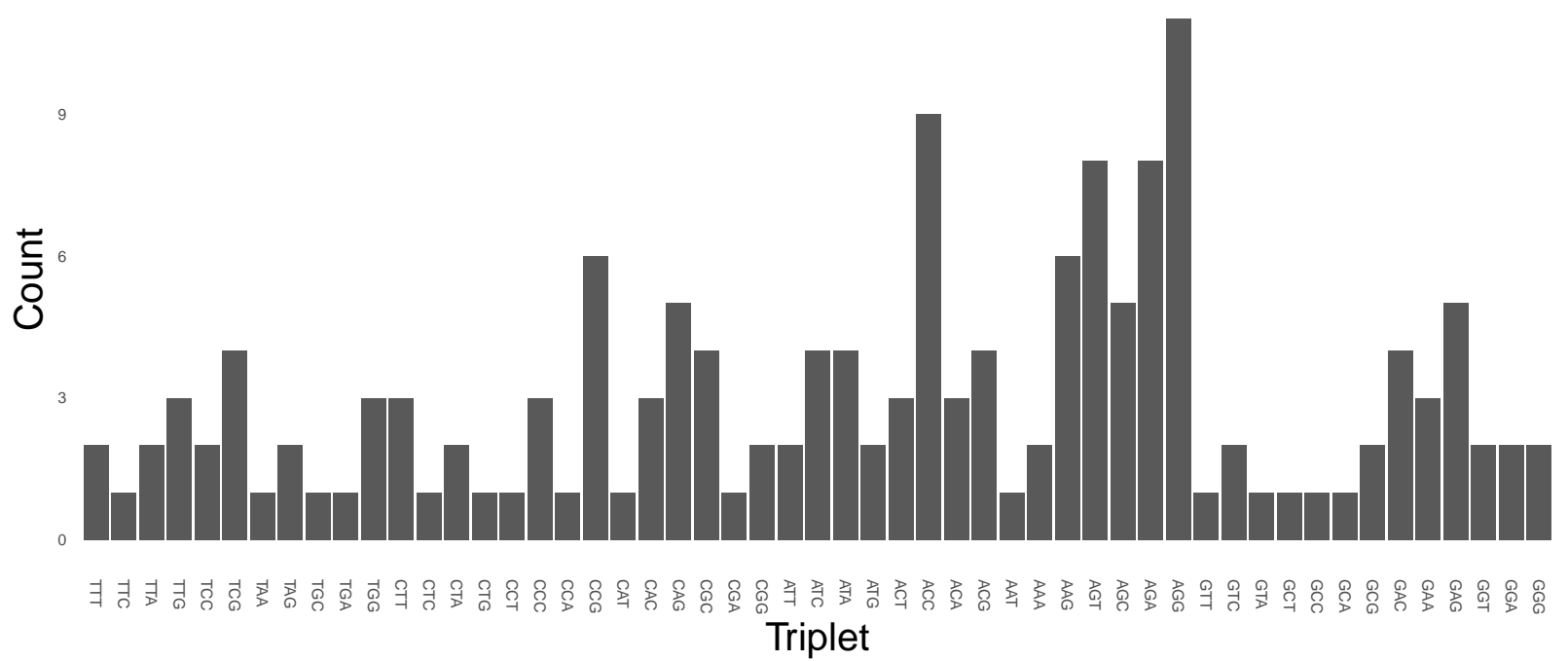
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-1\*ap01\_G291C\_T296C

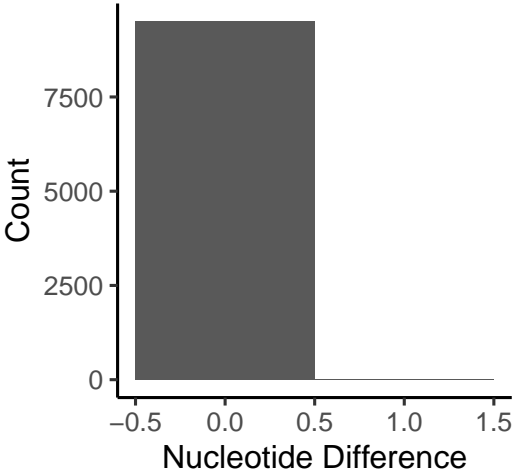


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



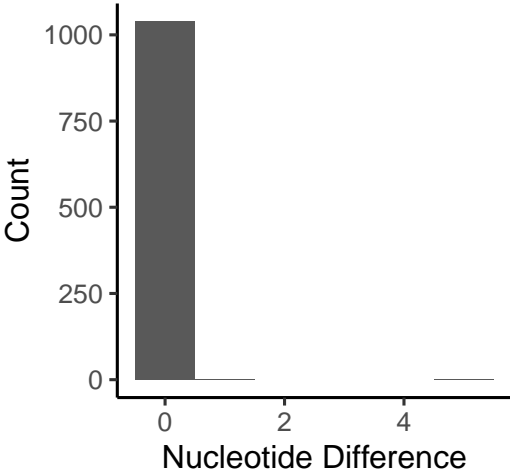
TRBV20-1\*ap01

9524 sequences assigned  
9504 (99.8%) exact matches, in which:  
9491 unique CDR3  
13 unique J



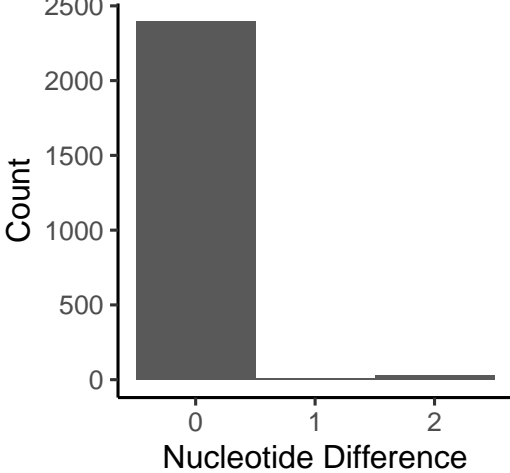
TRBV10-2\*ap01

1041 sequences assigned  
1039 (99.8%) exact matches, in which:  
1037 unique CDR3  
13 unique J



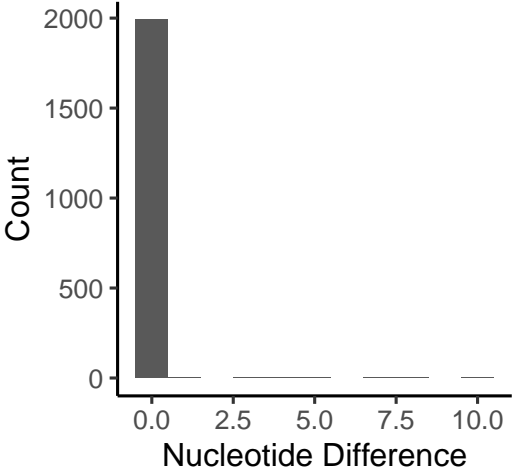
TRBV13\*ap01

2438 sequences assigned  
2396 (98.3%) exact matches, in which:  
2390 unique CDR3  
13 unique J



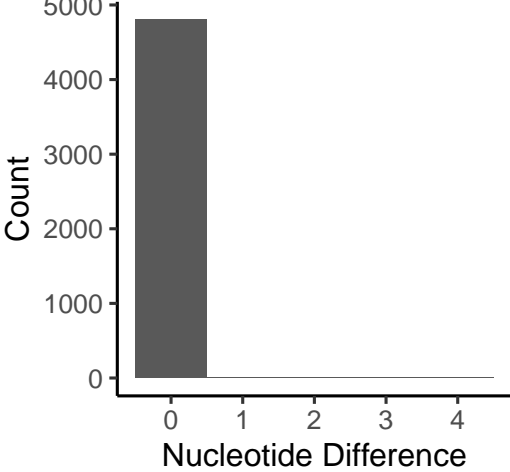
TRBV10-1\*ap01

2003 sequences assigned  
1991 (99.4%) exact matches, in which:  
1991 unique CDR3  
13 unique J



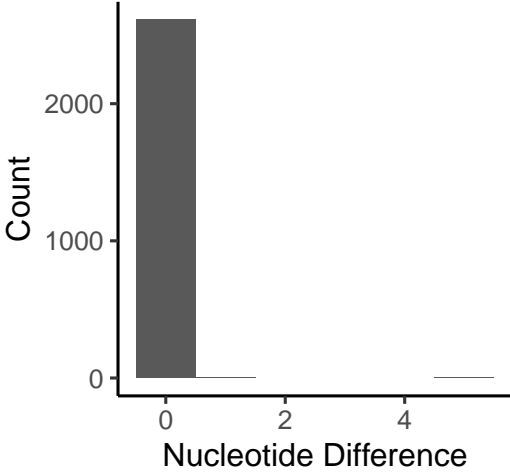
TRBV10-3\*ap01

4812 sequences assigned  
4802 (99.8%) exact matches, in which:  
4800 unique CDR3  
13 unique J



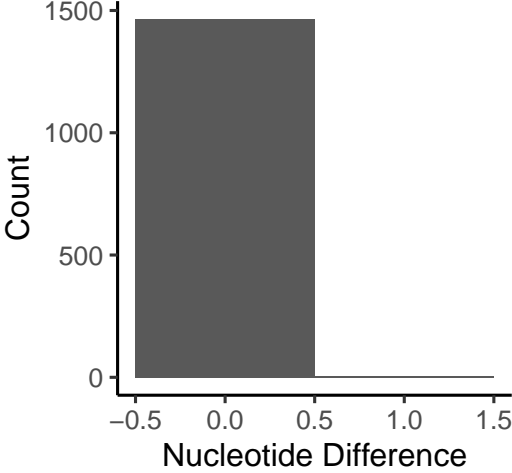
TRBV14\*ap01

2615 sequences assigned  
2612 (99.9%) exact matches, in which:  
2610 unique CDR3  
13 unique J



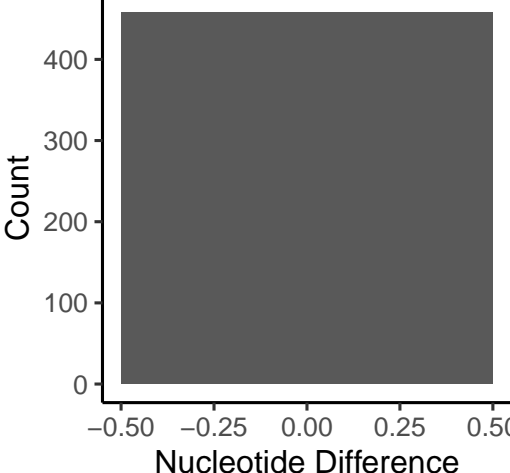
TRBV20-1\*ap02

1470 sequences assigned  
1465 (99.7%) exact matches, in which:  
1464 unique CDR3  
13 unique J



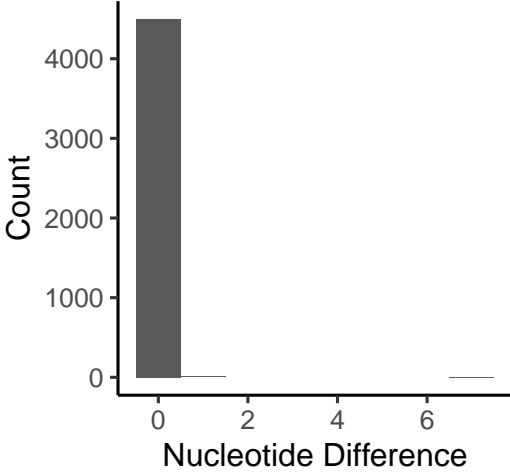
TRBV1\*ap01

458 sequences assigned  
458 (100%) exact matches, in which:  
458 unique CDR3  
13 unique J



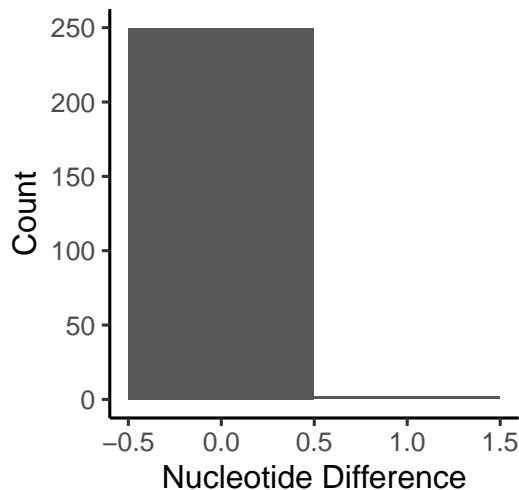
TRBV15\*ap02

4507 sequences assigned  
4498 (99.8%) exact matches, in which:  
4489 unique CDR3  
14 unique J



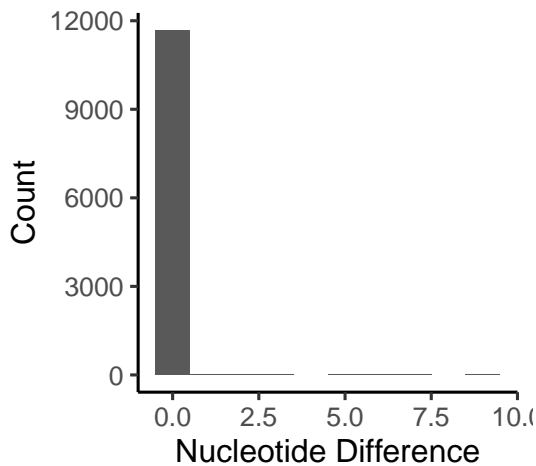
### TRBV16\*ap01

252 sequences assigned  
250 (99.2%) exact matches, in which:  
250 unique CDR3  
13 unique J



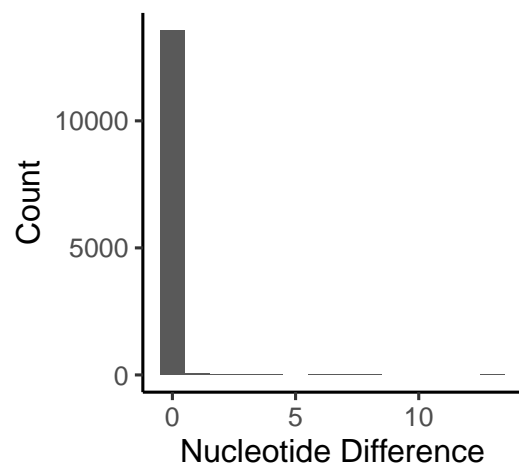
### TRBV19\*ap01

11711 sequences assigned  
11681 (99.7%) exact matches, in which:  
11678 unique CDR3  
13 unique J



### TRBV27\*ap01

13630 sequences assigned  
13570 (99.6%) exact matches, in which:  
13530 unique CDR3  
13 unique J



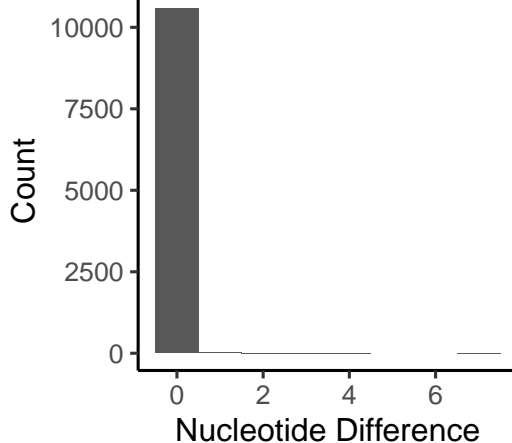
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



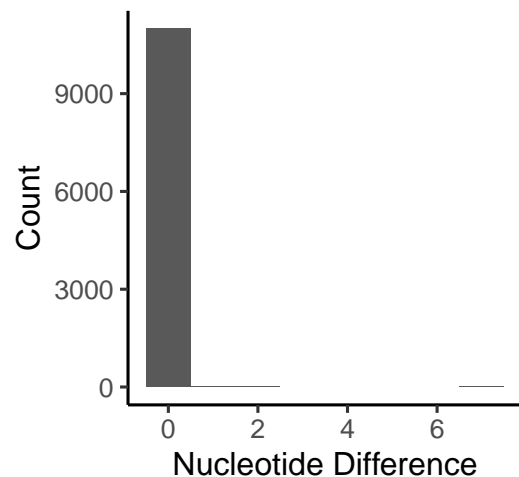
### TRBV2\*ap01

10613 sequences assigned  
10579 (99.7%) exact matches, in which:  
10558 unique CDR3  
13 unique J



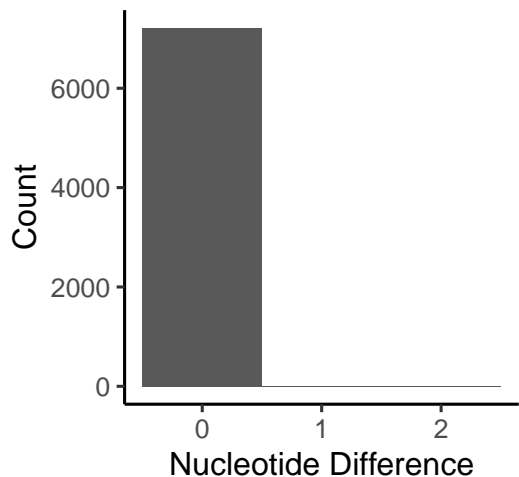
### TRBV28\*ap01

11010 sequences assigned  
10991 (99.8%) exact matches, in which:  
10989 unique CDR3  
13 unique J



### TRBV18\*ap01

7221 sequences assigned  
7212 (99.9%) exact matches, in which:  
7210 unique CDR3  
13 unique J



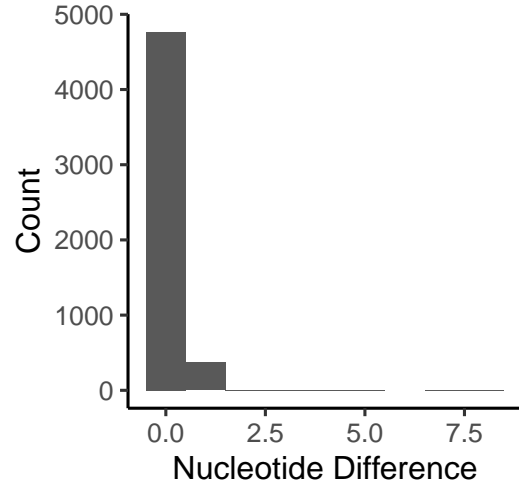
### TRBV26\*ap01

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



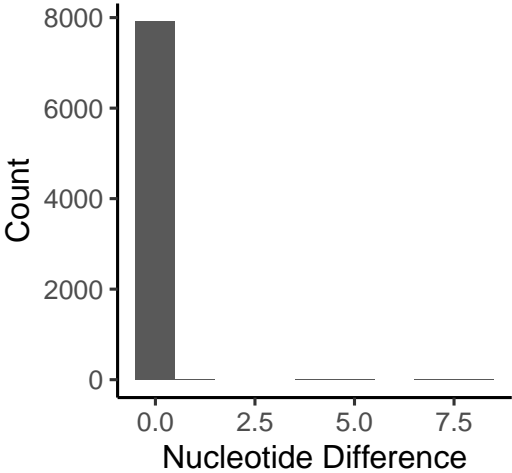
### TRBV30\*ap01

5150 sequences assigned  
4764 (92.5%) exact matches, in which:  
4756 unique CDR3  
13 unique J



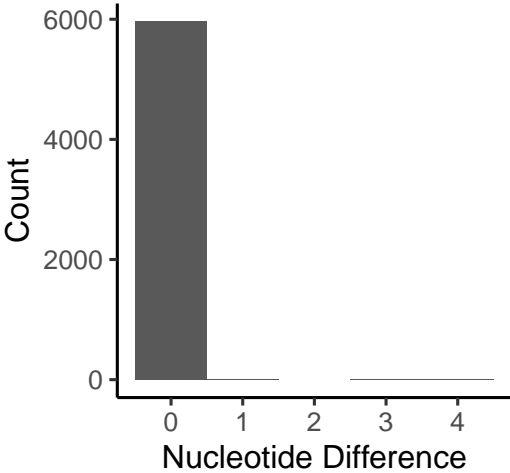
TRBV9\*ap01

7930 sequences assigned  
7916 (99.8%) exact matches, in which:  
7904 unique CDR3  
13 unique J



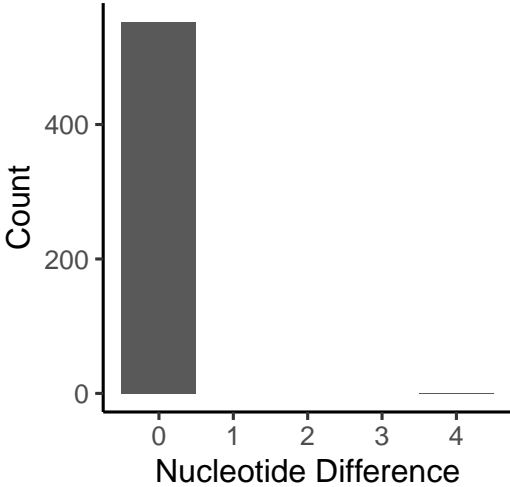
TRBV11-2\*ap01

5976 sequences assigned  
5964 (99.8%) exact matches, in which:  
5961 unique CDR3  
13 unique J



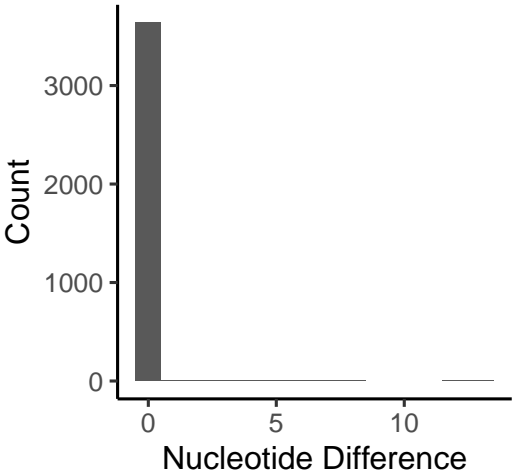
TRBV12-2\*ap01

554 sequences assigned  
553 (99.8%) exact matches, in which:  
552 unique CDR3  
13 unique J



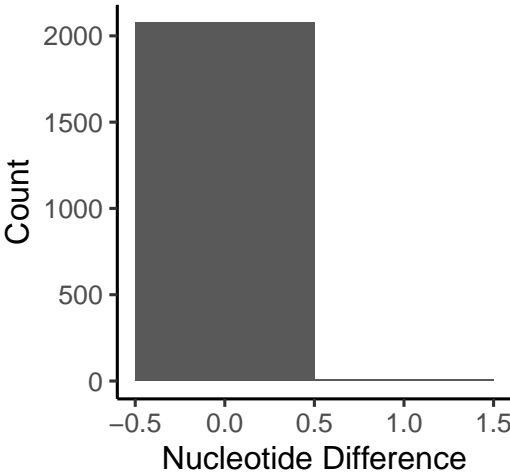
TRBV21-1\*ap01

3676 sequences assigned  
3638 (99%) exact matches, in which:  
3637 unique CDR3  
13 unique J



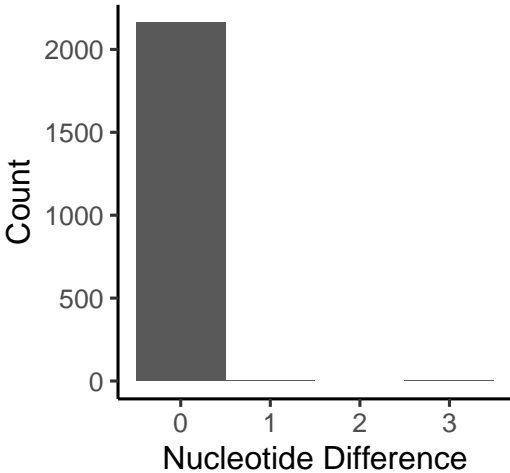
TRBV11-3\*ap01

2082 sequences assigned  
2076 (99.7%) exact matches, in which:  
2076 unique CDR3  
13 unique J



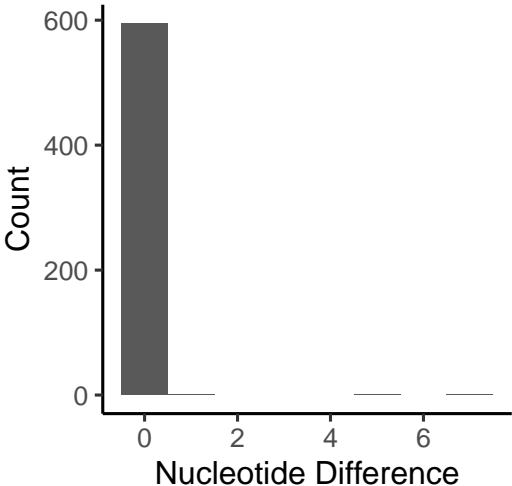
TRBV12-5\*ap01

2168 sequences assigned  
2161 (99.7%) exact matches, in which:  
2161 unique CDR3  
13 unique J



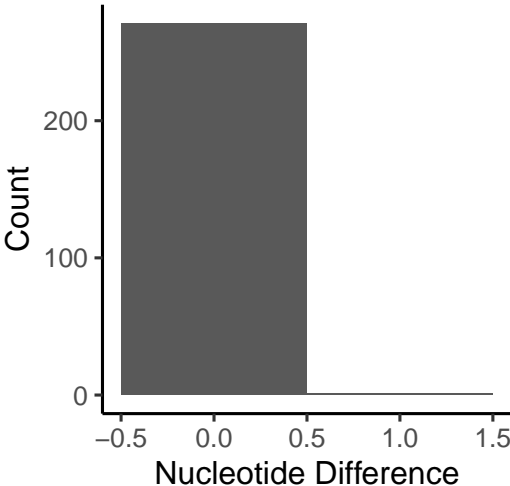
TRBV11-1\*ap01

598 sequences assigned  
595 (99.5%) exact matches, in which:  
594 unique CDR3  
13 unique J



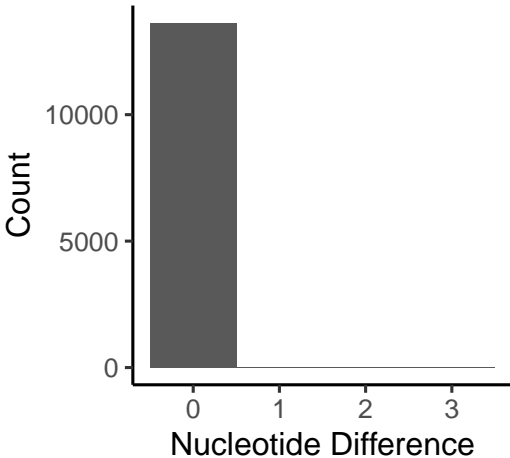
TRBV12-1\*ap01

272 sequences assigned  
271 (99.6%) exact matches, in which:  
271 unique CDR3  
13 unique J



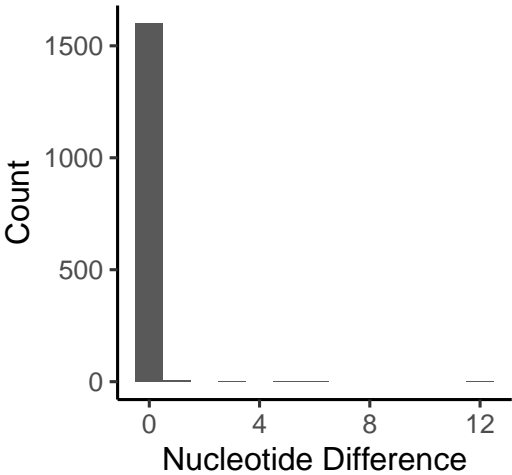
TRBV12-34\*ap01

13656 sequences assigned  
13632 (99.8%) exact matches, in which:  
13627 unique CDR3  
13 unique J



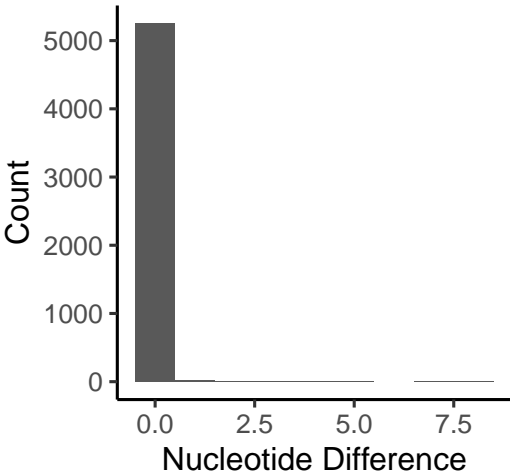
TRBV23-1\*ap01

1613 sequences assigned  
1600 (99.2%) exact matches, in which:  
1599 unique CDR3  
13 unique J



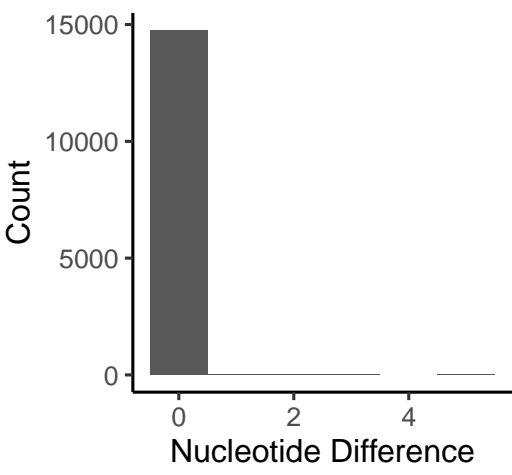
TRBV24-1\*ap01

5287 sequences assigned  
5252 (99.3%) exact matches, in which:  
5243 unique CDR3  
13 unique J



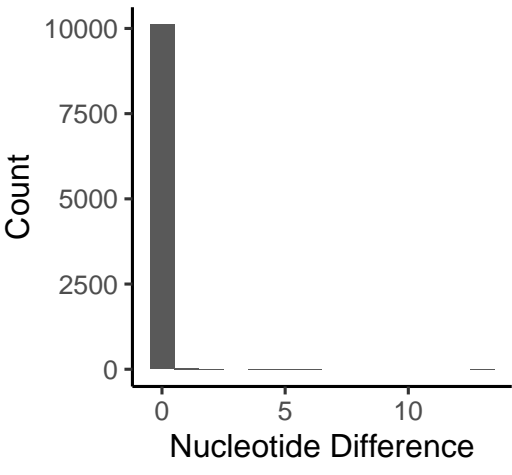
TRBV5-1\*ap01

14798 sequences assigned  
14761 (99.7%) exact matches, in which:  
14717 unique CDR3  
13 unique J



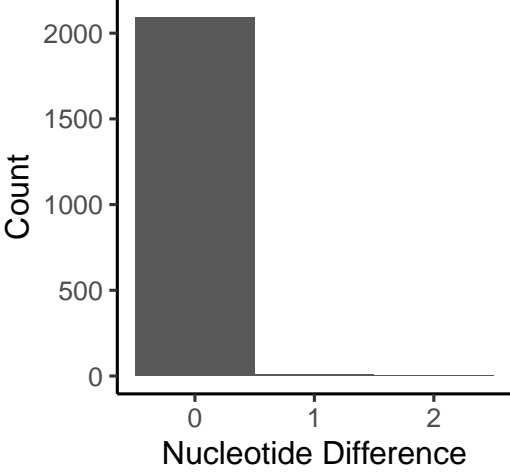
TRBV3-12\*ap01

10165 sequences assigned  
10117 (99.5%) exact matches, in which:  
10096 unique CDR3  
13 unique J



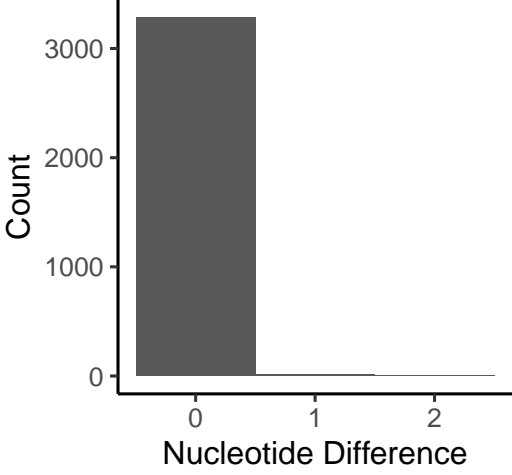
TRBV4-2\*ap01

2100 sequences assigned  
2090 (99.5%) exact matches, in which:  
2085 unique CDR3  
13 unique J



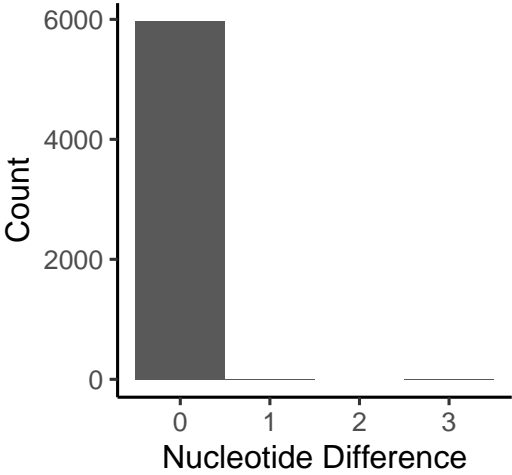
TRBV25-1\*ap01

3296 sequences assigned  
3282 (99.6%) exact matches, in which:  
3274 unique CDR3  
13 unique J



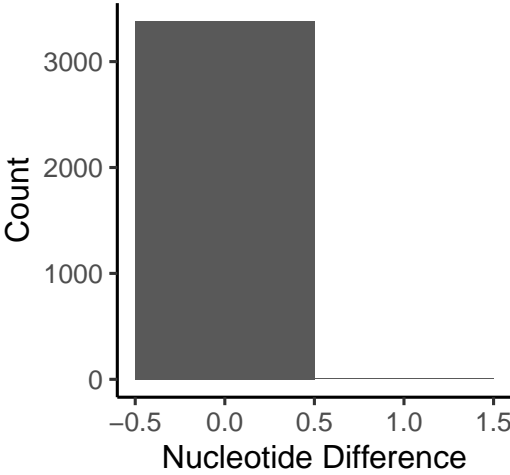
TRBV4-1\*ap01

5981 sequences assigned  
5972 (99.8%) exact matches, in which:  
5966 unique CDR3  
13 unique J



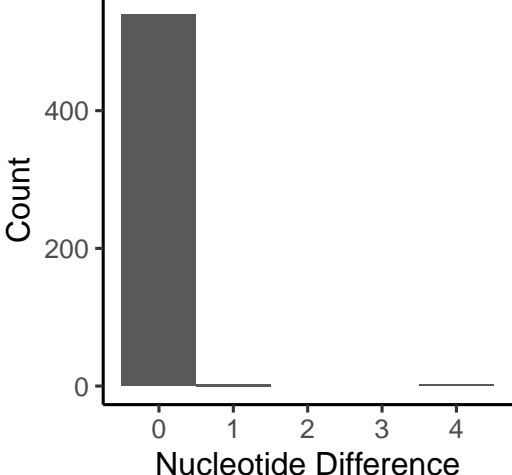
TRBV4-3\*ap01

3390 sequences assigned  
3383 (99.8%) exact matches, in which:  
3380 unique CDR3  
12 unique J



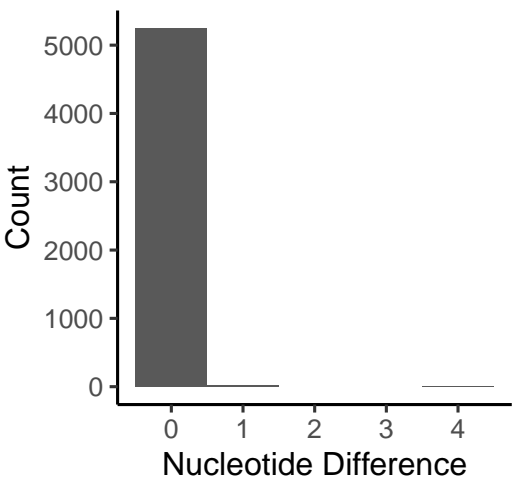
TRBV5-3\*ap01

545 sequences assigned  
540 (99.1%) exact matches, in which:  
537 unique CDR3  
13 unique J



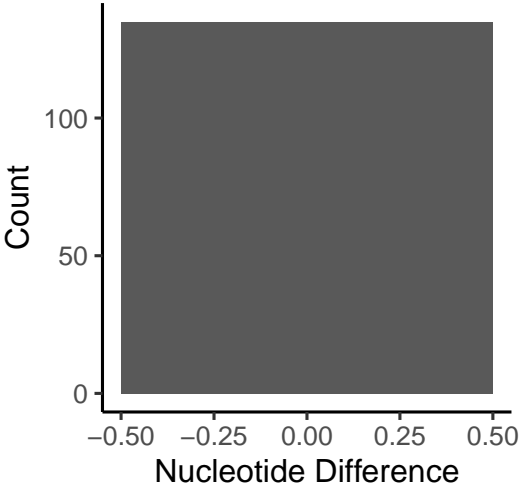
TRBV5-4\*ap01

5262 sequences assigned  
5245 (99.7%) exact matches, in which:  
5243 unique CDR3  
13 unique J



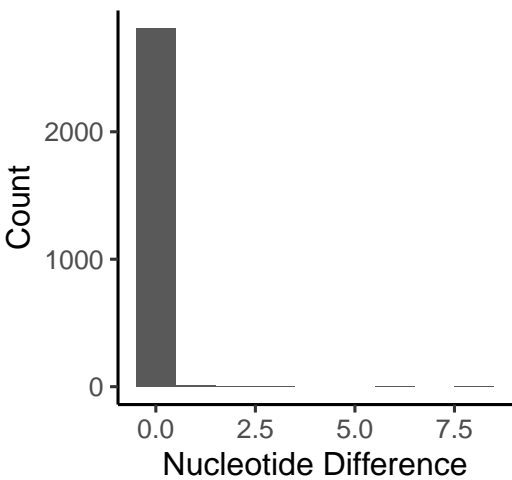
TRBV5-7\*ap01

135 sequences assigned  
135 (100%) exact matches, in which:  
135 unique CDR3  
13 unique J



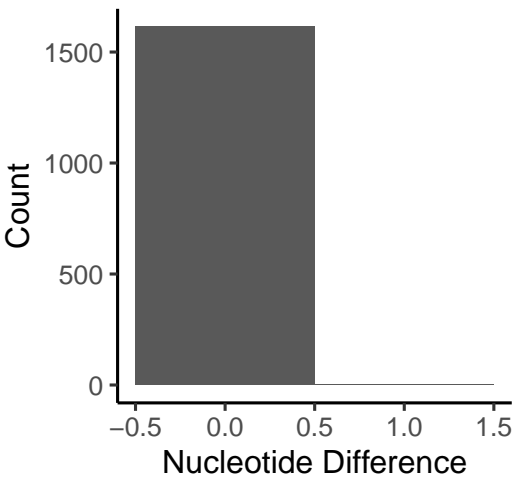
TRBV6-4\*ap01

2824 sequences assigned  
2811 (99.5%) exact matches, in which:  
2810 unique CDR3  
13 unique J



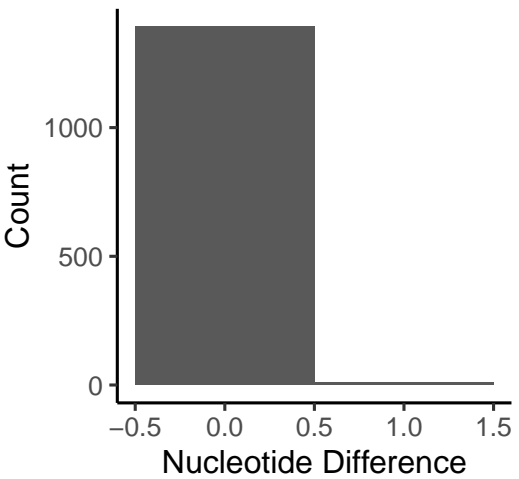
TRBV5-5\*ap01

1616 sequences assigned  
1614 (99.9%) exact matches, in which:  
1613 unique CDR3  
13 unique J



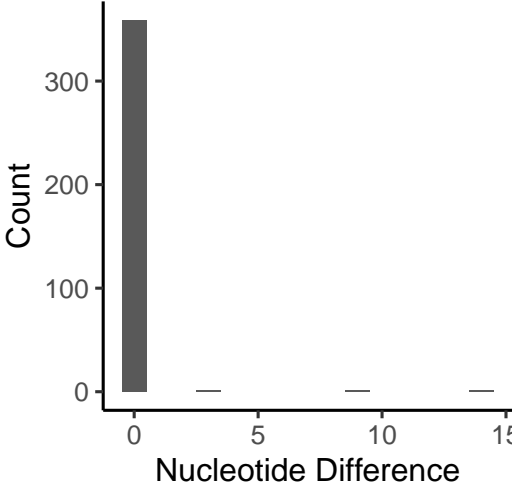
TRBV5-8\*ap01

1403 sequences assigned  
1392 (99.2%) exact matches, in which:  
1392 unique CDR3  
13 unique J



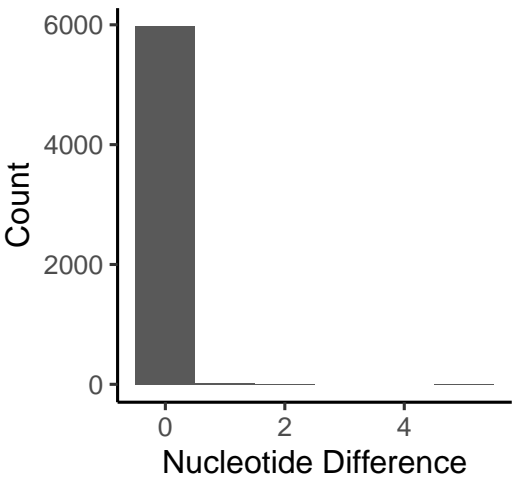
TRBV6-7\*ap01

362 sequences assigned  
359 (99.2%) exact matches, in which:  
359 unique CDR3  
13 unique J



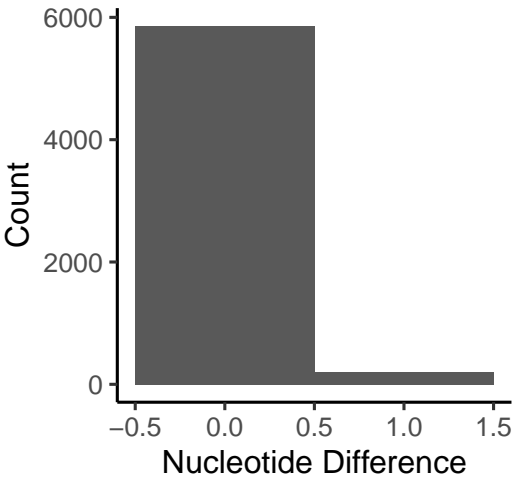
TRBV5-6\*ap01

6000 sequences assigned  
5979 (99.7%) exact matches, in which:  
5961 unique CDR3  
13 unique J



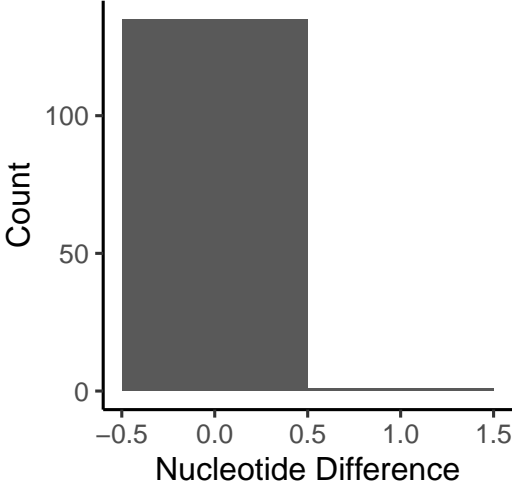
TRBV6-1\*ap01

6055 sequences assigned  
5858 (96.7%) exact matches, in which:  
5848 unique CDR3  
13 unique J



TRBV6-8\*ap01

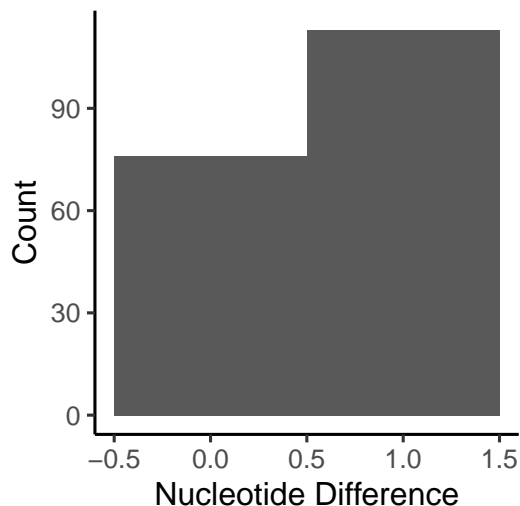
136 sequences assigned  
135 (99.3%) exact matches, in which:  
135 unique CDR3  
13 unique J





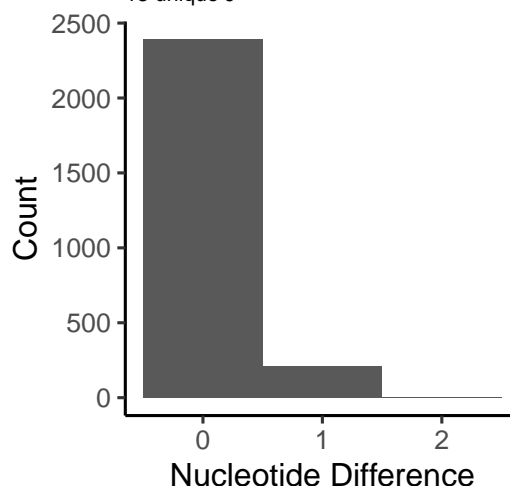
### TRBV6-9\*ap01

189 sequences assigned  
76 (40.2%) exact matches, in which:  
75 unique CDR3  
11 unique J



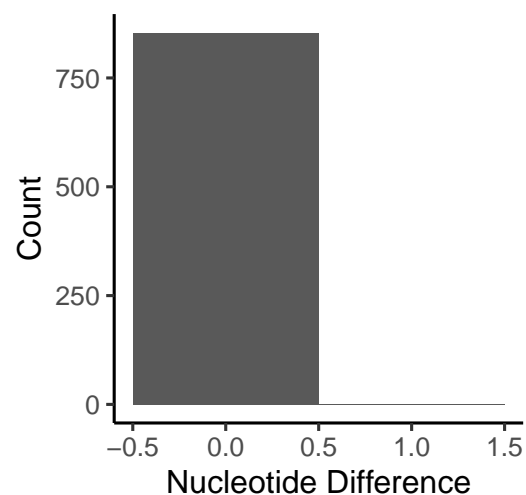
### TRBV6-56\*ap02

2599 sequences assigned  
2391 (92%) exact matches, in which:  
2387 unique CDR3  
13 unique J



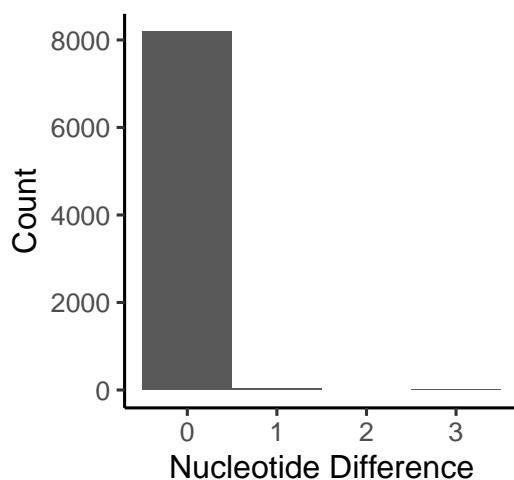
### TRBV7-3\*ap02

855 sequences assigned  
854 (99.9%) exact matches, in which:  
853 unique CDR3  
13 unique J



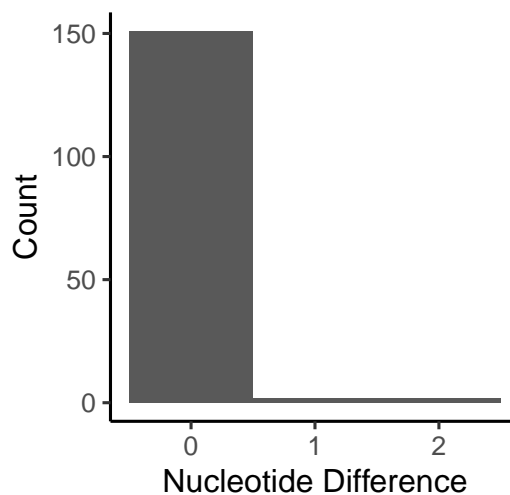
### TRBV6-23\*ap01

8220 sequences assigned  
8188 (99.6%) exact matches, in which:  
8173 unique CDR3  
13 unique J



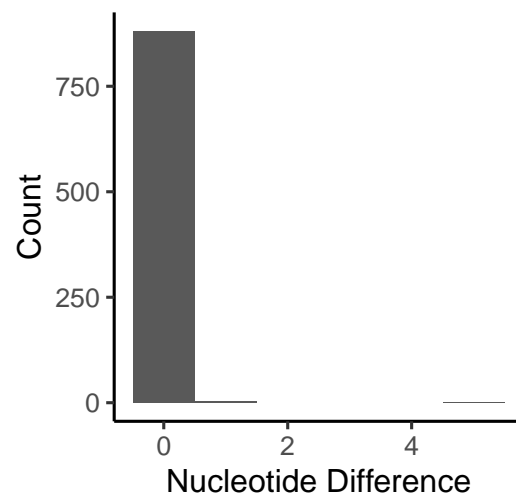
### TRBV7-1\*ap01\_G291C\_

155 sequences assigned  
151 (97.4%) exact matches, in which:  
151 unique CDR3  
14 unique J



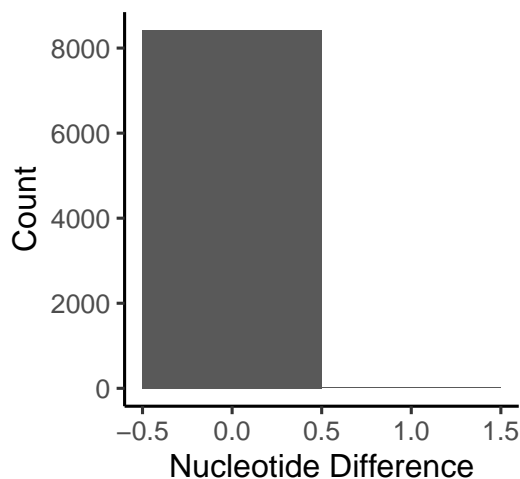
### TRBV7-3\*ap03

886 sequences assigned  
881 (99.4%) exact matches, in which:  
881 unique CDR3  
13 unique J



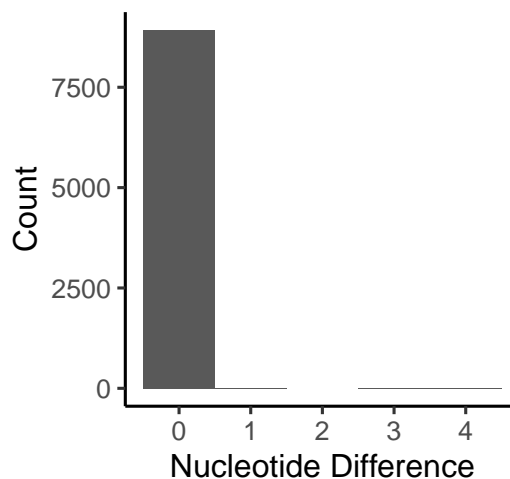
### TRBV6-56\*ap01

8442 sequences assigned  
8424 (99.8%) exact matches, in which:  
8407 unique CDR3  
13 unique J



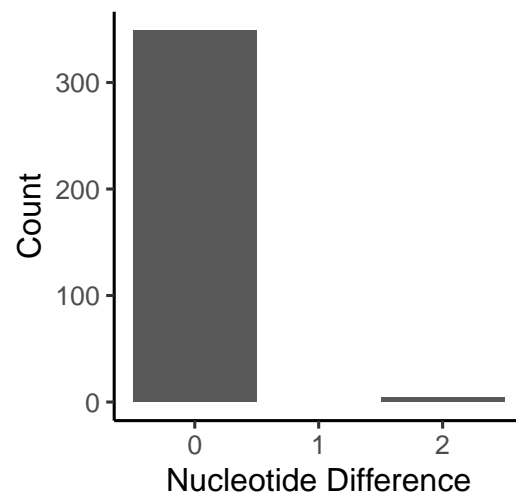
### TRBV7-2\*ap01

8943 sequences assigned  
8926 (99.8%) exact matches, in which:  
8922 unique CDR3  
13 unique J



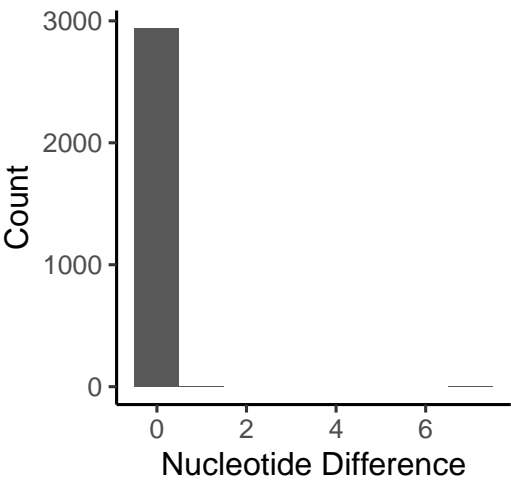
### TRBV7-4\*ap01

353 sequences assigned  
349 (98.9%) exact matches, in which:  
348 unique CDR3  
13 unique J



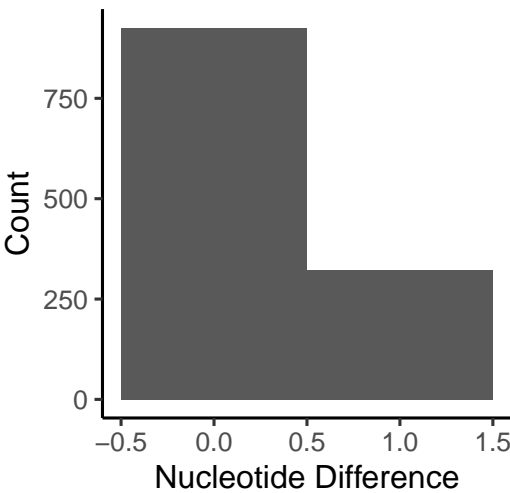
TRBV7-6\*ap01

2943 sequences assigned  
2938 (99.8%) exact matches, in which:  
2935 unique CDR3  
13 unique J



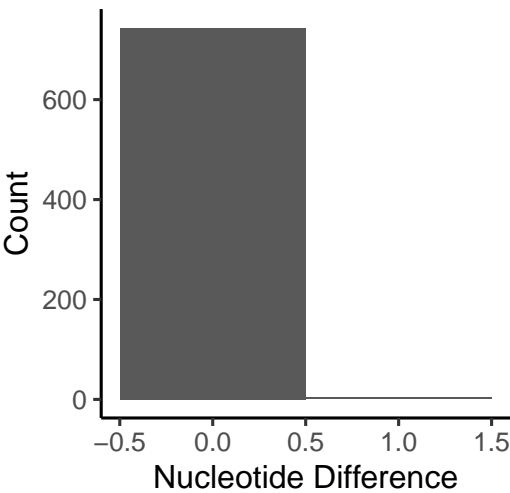
TRBV7-8\*ap03

1248 sequences assigned  
926 (74.2%) exact matches, in which:  
926 unique CDR3  
13 unique J



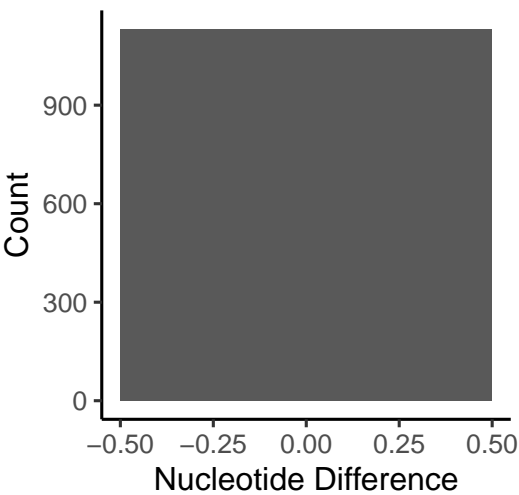
TRBV29-1\*ap02

748 sequences assigned  
744 (99.5%) exact matches, in which:  
744 unique CDR3  
13 unique J



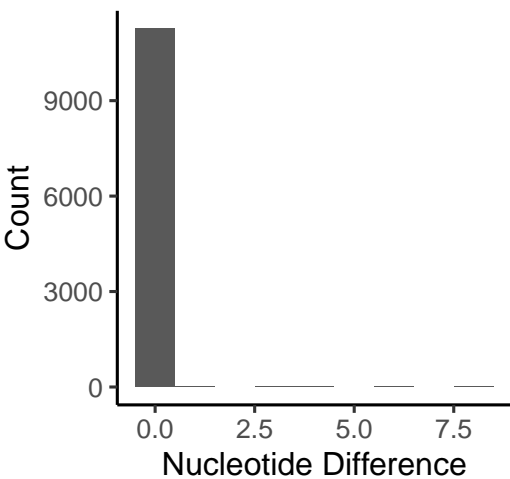
TRBV7-7\*ap01

1132 sequences assigned  
1132 (100%) exact matches, in which:  
1130 unique CDR3  
13 unique J



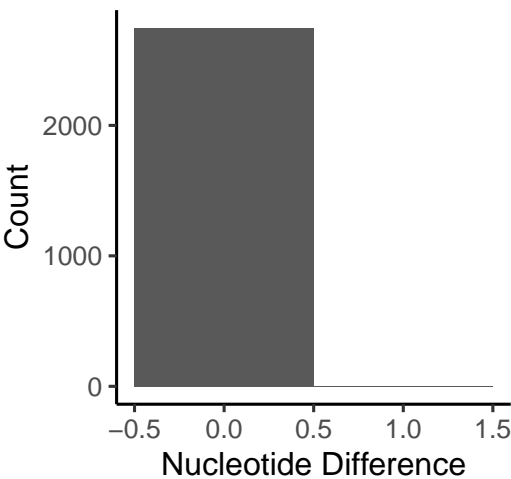
TRBV7-9\*ap01

11277 sequences assigned  
11260 (99.8%) exact matches, in which:  
11258 unique CDR3  
13 unique J



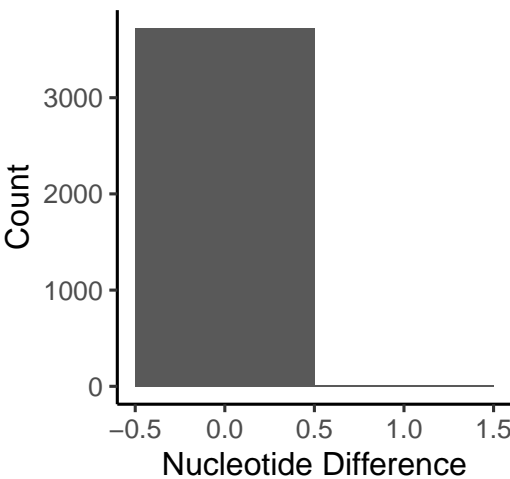
TRBV7-8\*ap01

2748 sequences assigned  
2746 (99.9%) exact matches, in which:  
2745 unique CDR3  
13 unique J



TRBV29-1\*ap01

3739 sequences assigned  
3724 (99.6%) exact matches, in which:  
3717 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C

