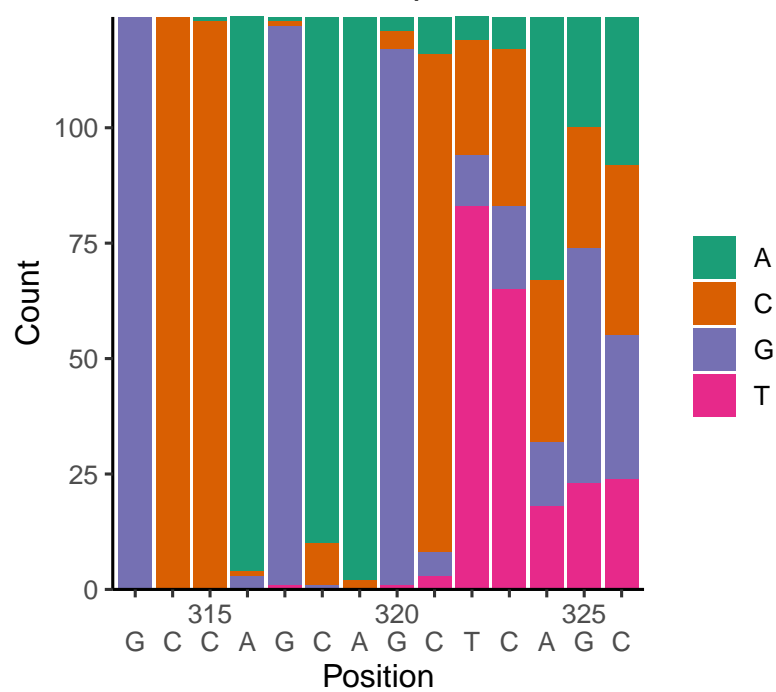
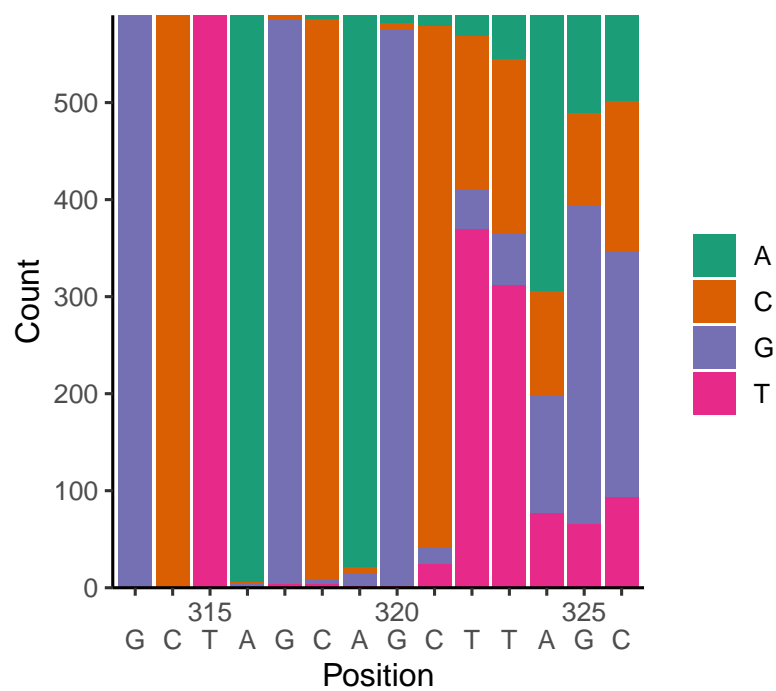


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



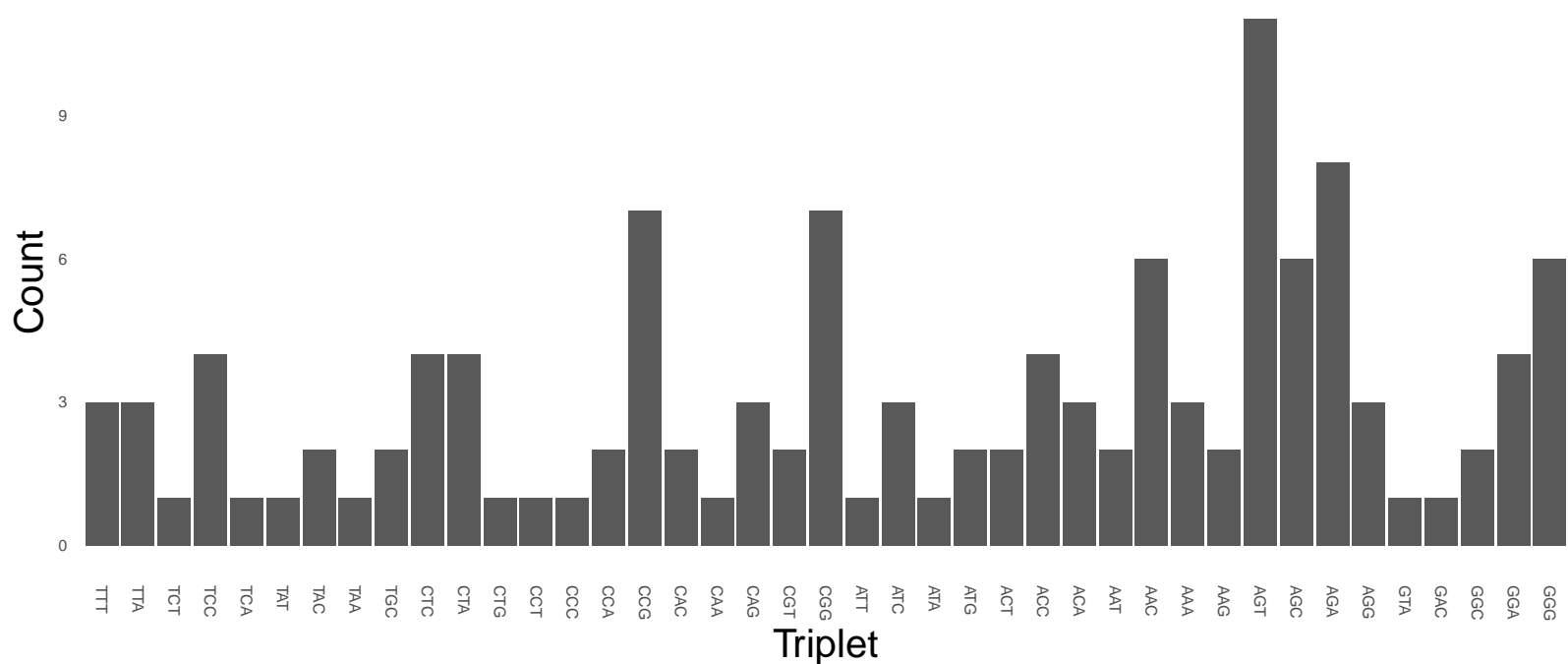
Gene TRBV7-1\*ap01\_G291C\_T296C



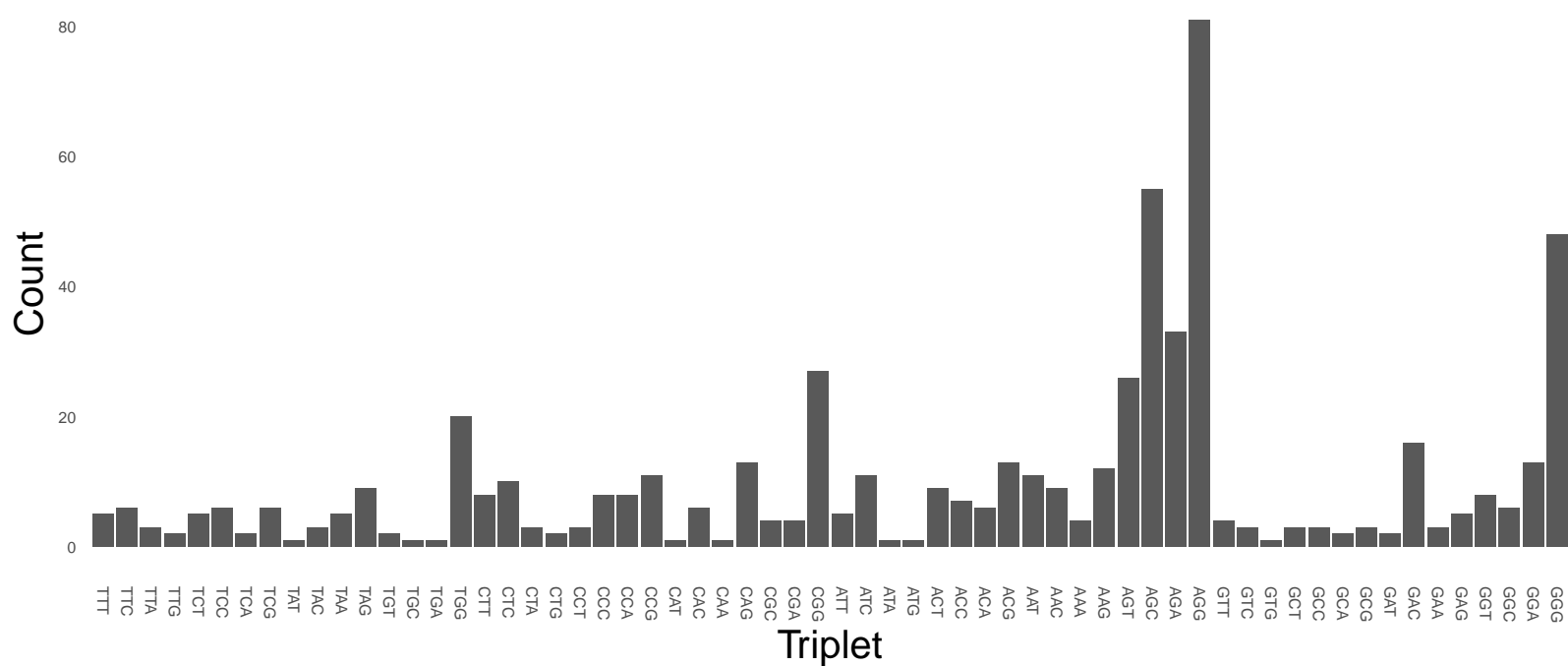
Gene TRBV7-7\*ap01\_C315T



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

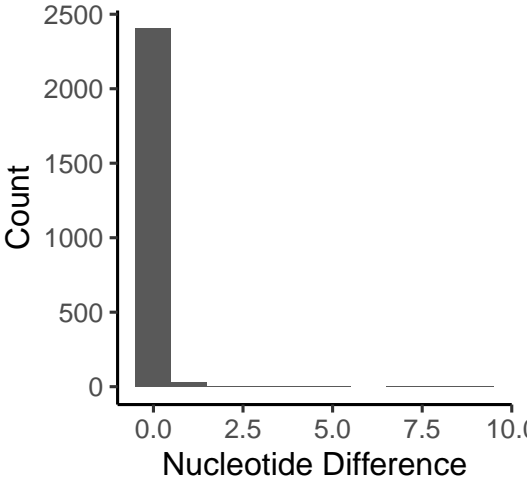


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



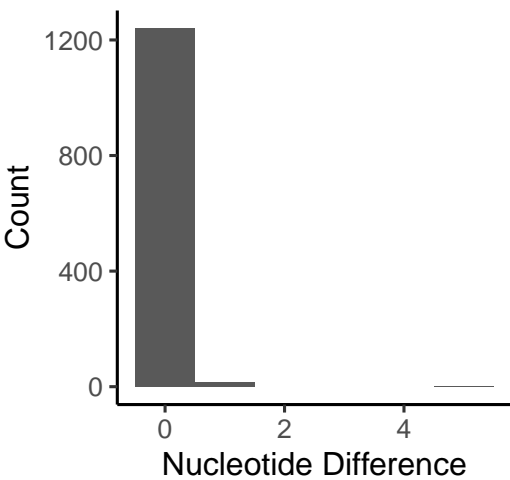
TRBV10-1\*ap01

2441 sequences assigned  
2405 (98.5%) exact matches, in which:  
2354 unique CDR3  
13 unique J



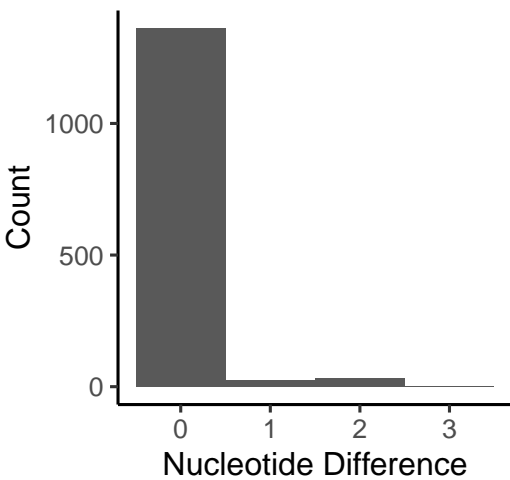
TRBV10-2\*ap01

1257 sequences assigned  
1240 (98.6%) exact matches, in which:  
1199 unique CDR3  
13 unique J



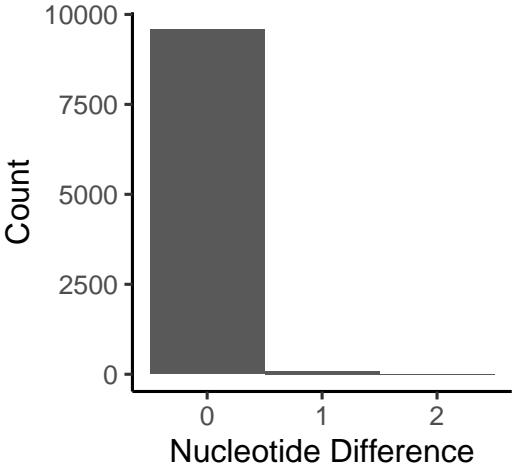
TRBV13\*ap01

1417 sequences assigned  
1361 (96%) exact matches, in which:  
1319 unique CDR3  
13 unique J



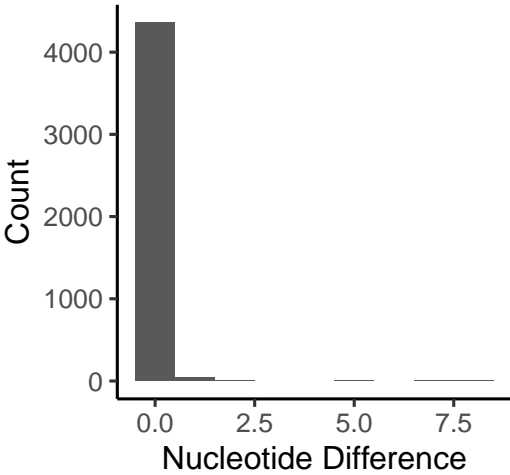
TRBV20-1\*ap01

9675 sequences assigned  
9582 (99%) exact matches, in which:  
9451 unique CDR3  
13 unique J



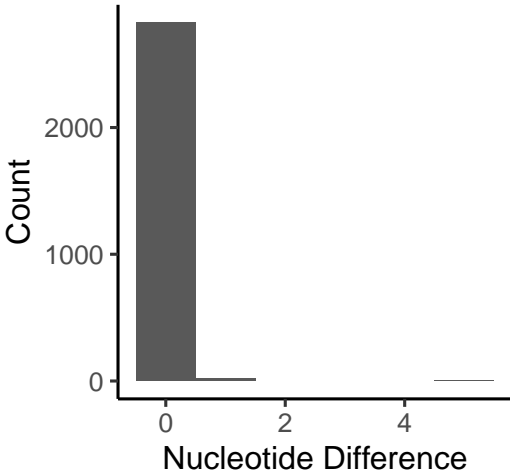
TRBV10-3\*ap01

4405 sequences assigned  
4358 (98.9%) exact matches, in which:  
4274 unique CDR3  
13 unique J



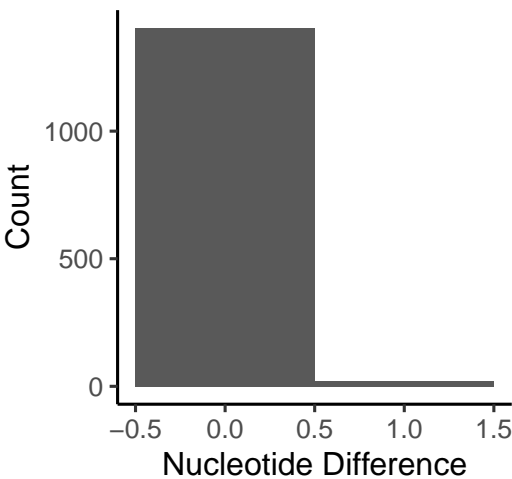
TRBV14\*ap01

2849 sequences assigned  
2827 (99.2%) exact matches, in which:  
2780 unique CDR3  
13 unique J



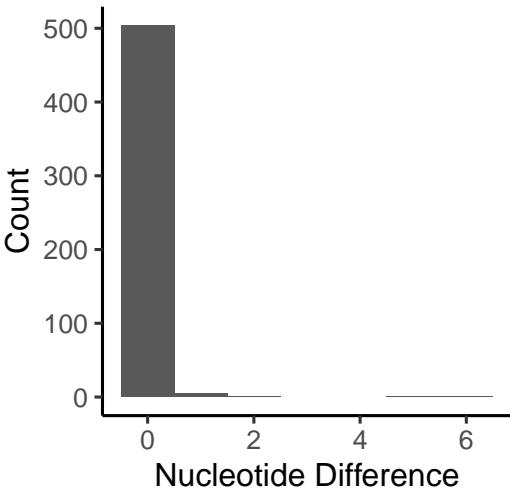
TRBV20-1\*ap02

1426 sequences assigned  
1404 (98.5%) exact matches, in which:  
1384 unique CDR3  
13 unique J



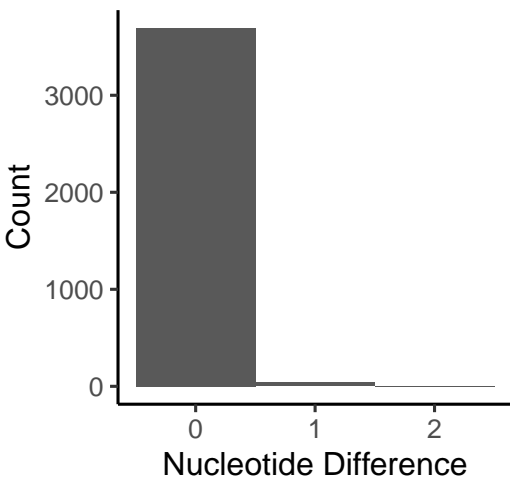
TRBV1\*ap01

512 sequences assigned  
504 (98.4%) exact matches, in which:  
489 unique CDR3  
13 unique J



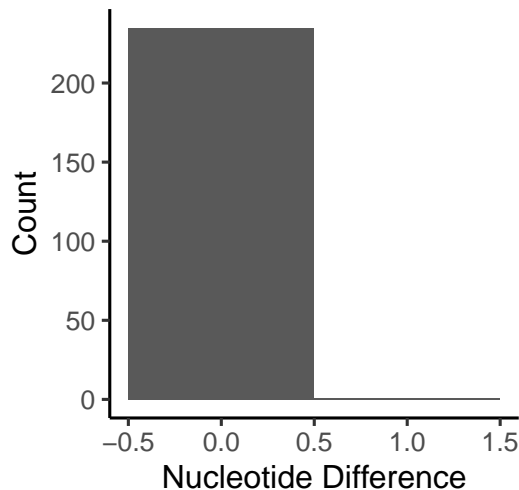
TRBV15\*ap02

3734 sequences assigned  
3693 (98.9%) exact matches, in which:  
3610 unique CDR3  
13 unique J



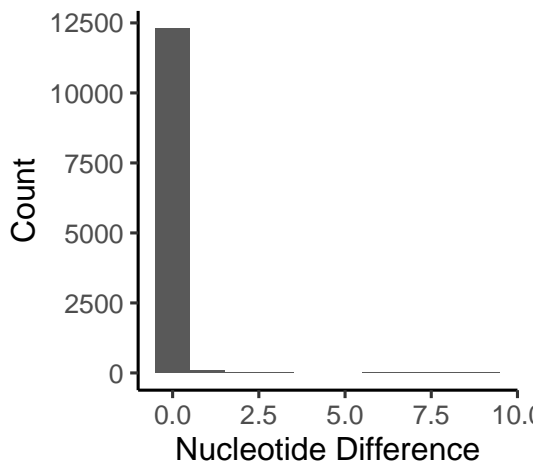
### TRBV16\*ap01

236 sequences assigned  
235 (99.6%) exact matches, in which:  
235 unique CDR3  
13 unique J



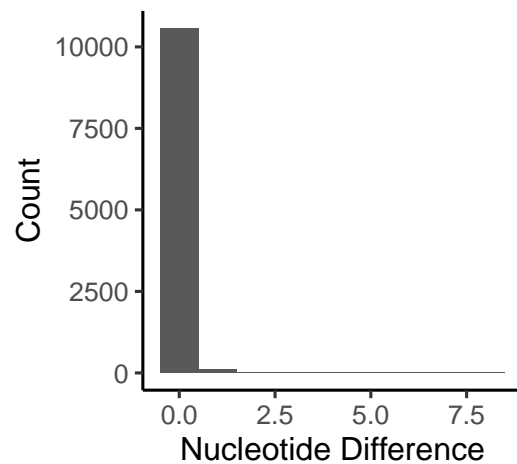
### TRBV19\*ap01

12427 sequences assigned  
12313 (99.1%) exact matches, in which:  
12191 unique CDR3  
13 unique J



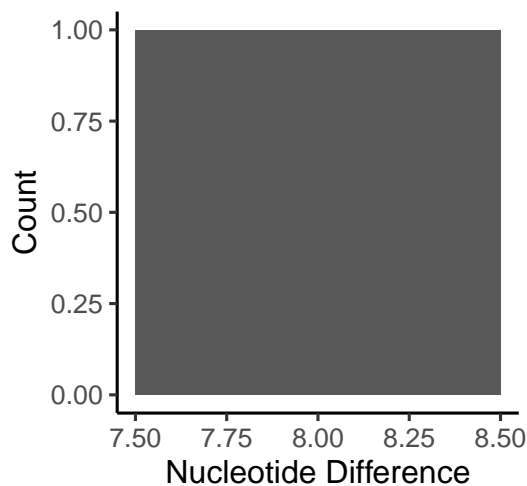
### TRBV27\*ap01

10722 sequences assigned  
10574 (98.6%) exact matches, in which:  
10332 unique CDR3  
13 unique J



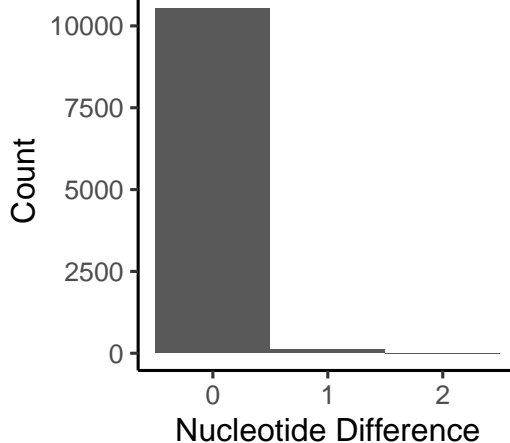
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



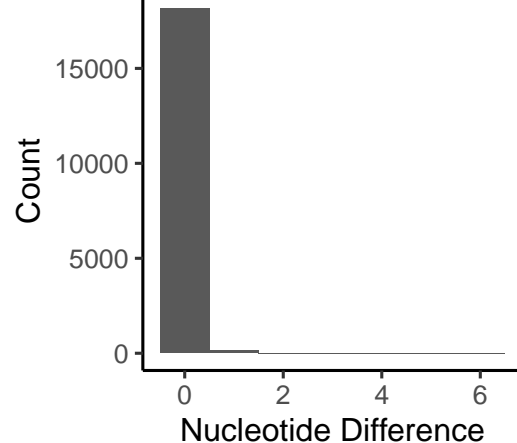
### TRBV2\*ap01

10657 sequences assigned  
10532 (98.8%) exact matches, in which:  
10324 unique CDR3  
13 unique J



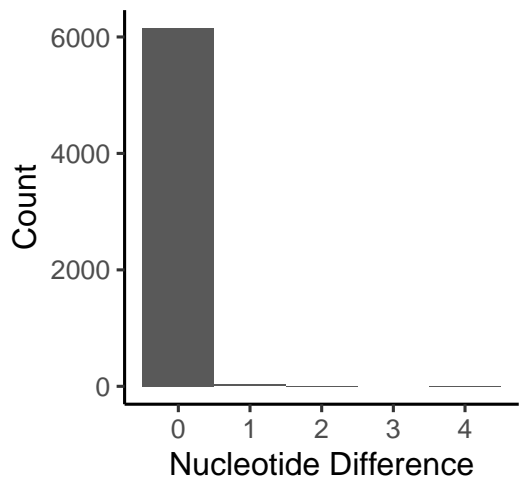
### TRBV28\*ap01

18304 sequences assigned  
18155 (99.2%) exact matches, in which:  
17882 unique CDR3  
13 unique J



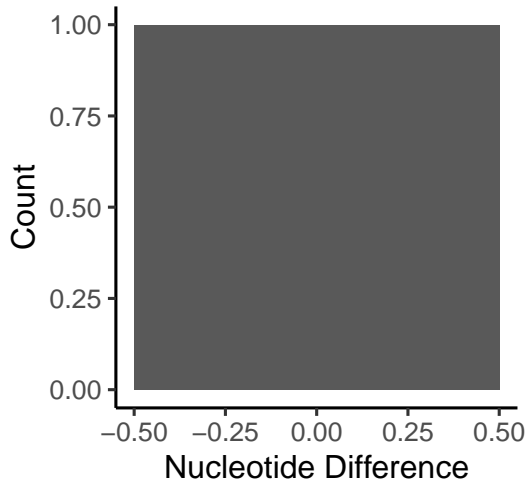
### TRBV18\*ap01

6191 sequences assigned  
6153 (99.4%) exact matches, in which:  
6095 unique CDR3  
13 unique J



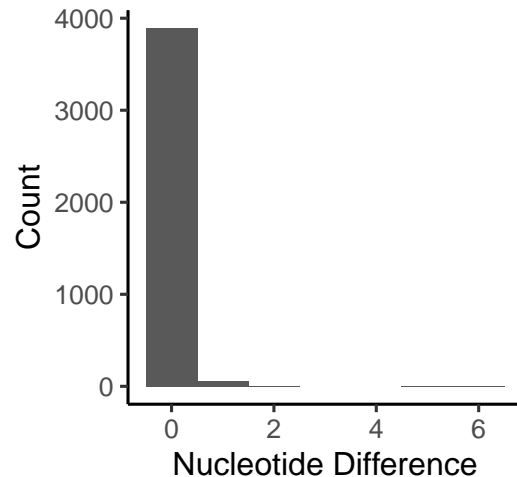
### TRBV26\*ap01

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



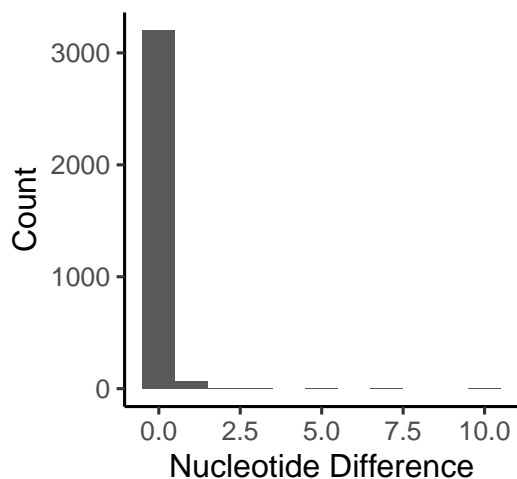
### TRBV30\*ap01

3958 sequences assigned  
3893 (98.4%) exact matches, in which:  
3813 unique CDR3  
13 unique J



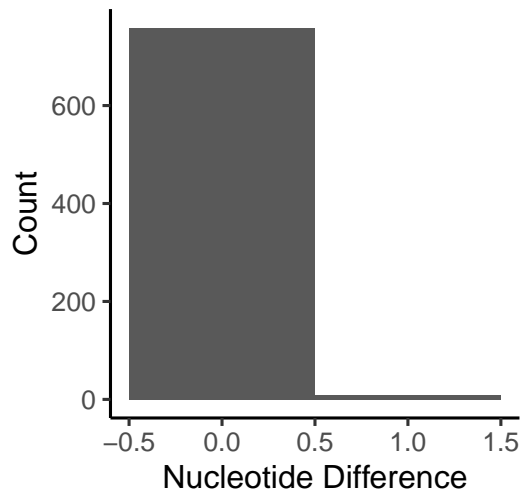
### TRBV30\*ap02

3274 sequences assigned  
3201 (97.8%) exact matches, in which:  
3159 unique CDR3  
13 unique J



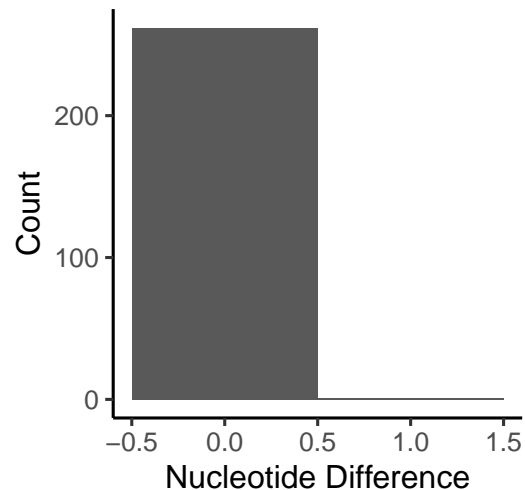
### TRBV11-1\*ap01

768 sequences assigned  
759 (98.8%) exact matches, in which:  
750 unique CDR3  
13 unique J



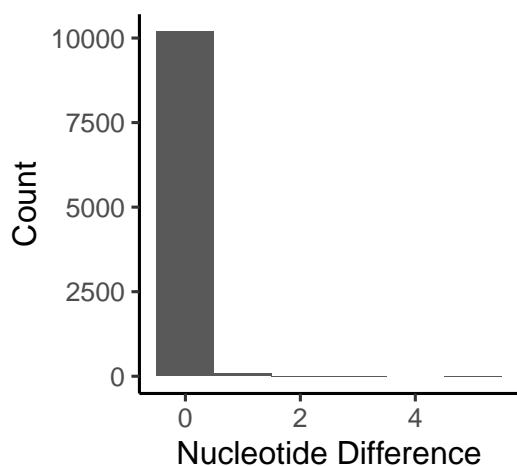
### TRBV12-1\*ap01

263 sequences assigned  
262 (99.6%) exact matches, in which:  
256 unique CDR3  
13 unique J



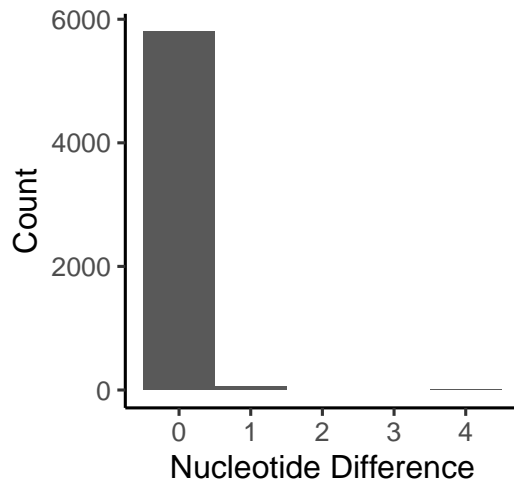
### TRBV9\*ap01

10281 sequences assigned  
10194 (99.2%) exact matches, in which:  
10022 unique CDR3  
14 unique J



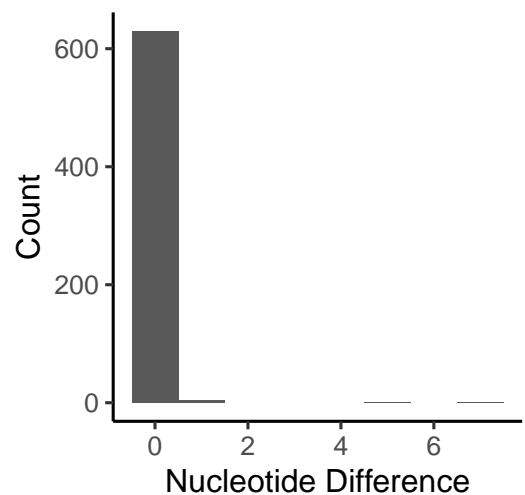
### TRBV11-2\*ap01

5848 sequences assigned  
5798 (99.1%) exact matches, in which:  
5681 unique CDR3  
13 unique J



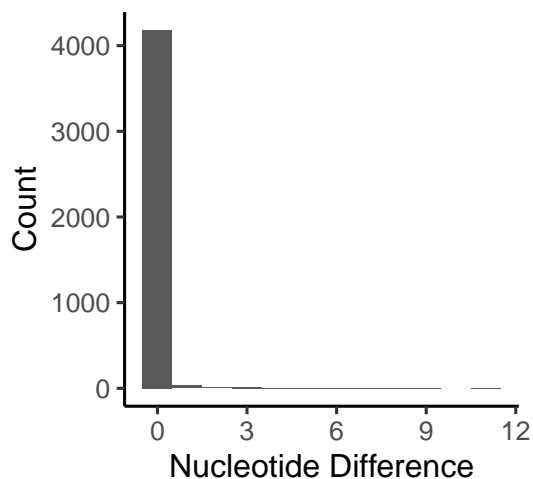
### TRBV12-2\*ap01

637 sequences assigned  
630 (98.9%) exact matches, in which:  
617 unique CDR3  
13 unique J



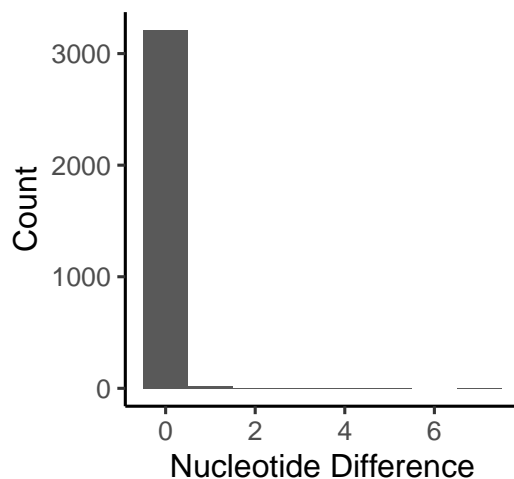
### TRBV21-1\*ap01

4256 sequences assigned  
4182 (98.3%) exact matches, in which:  
4122 unique CDR3  
13 unique J



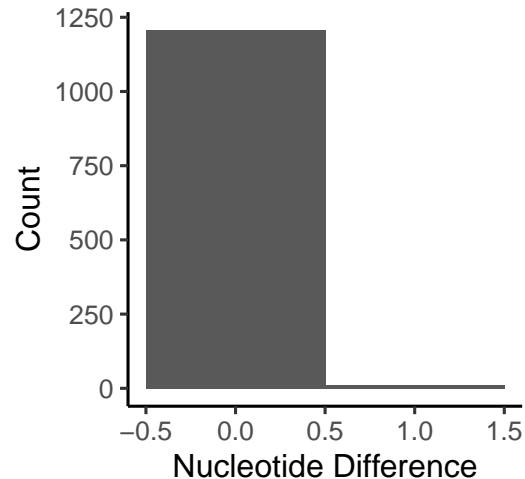
### TRBV11-3\*ap01

3240 sequences assigned  
3211 (99.1%) exact matches, in which:  
3166 unique CDR3  
13 unique J



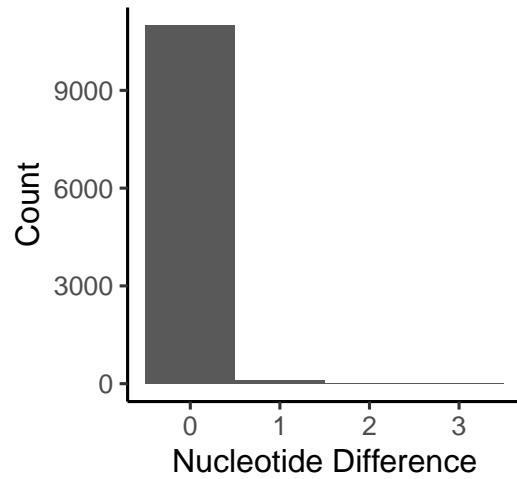
### TRBV12-5\*ap01

1219 sequences assigned  
1207 (99%) exact matches, in which:  
1193 unique CDR3  
13 unique J



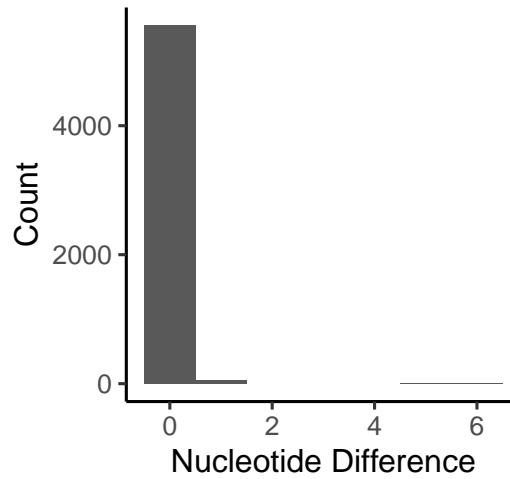
### TRBV12-34\*ap01

11102 sequences assigned  
10993 (99%) exact matches, in which:  
10797 unique CDR3  
13 unique J



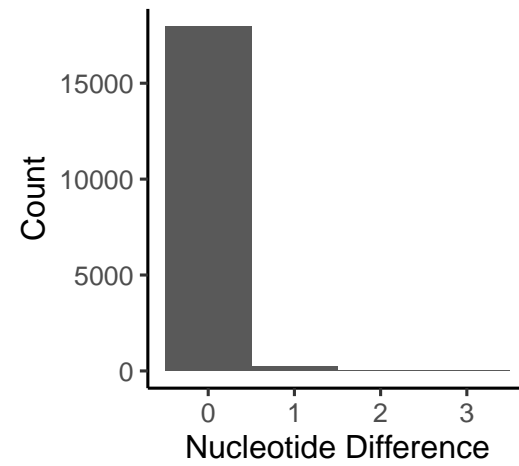
### TRBV4-1\*ap01

5606 sequences assigned  
5555 (99.1%) exact matches, in which:  
5419 unique CDR3  
13 unique J



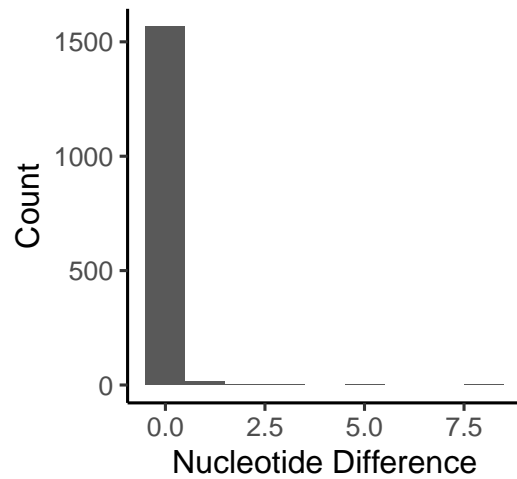
### TRBV5-1\*ap01

18199 sequences assigned  
17975 (98.8%) exact matches, in which:  
17564 unique CDR3  
13 unique J



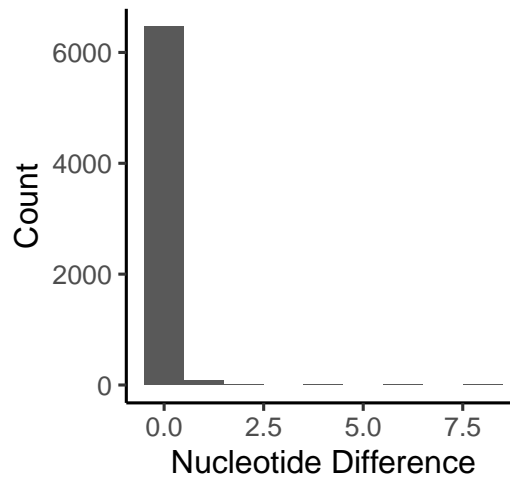
### TRBV23-1\*ap01

1590 sequences assigned  
1566 (98.5%) exact matches, in which:  
1540 unique CDR3  
13 unique J



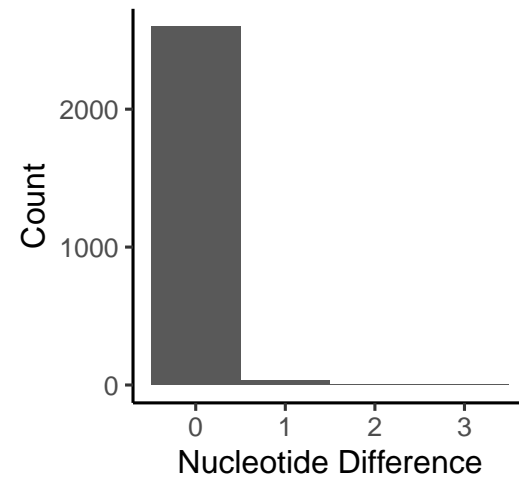
### TRBV24-1\*ap01

6552 sequences assigned  
6464 (98.7%) exact matches, in which:  
6360 unique CDR3  
13 unique J



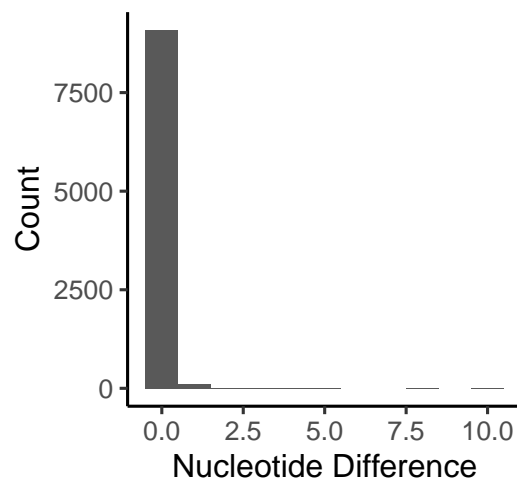
### TRBV25-1\*ap01

2637 sequences assigned  
2598 (98.5%) exact matches, in which:  
2544 unique CDR3  
13 unique J



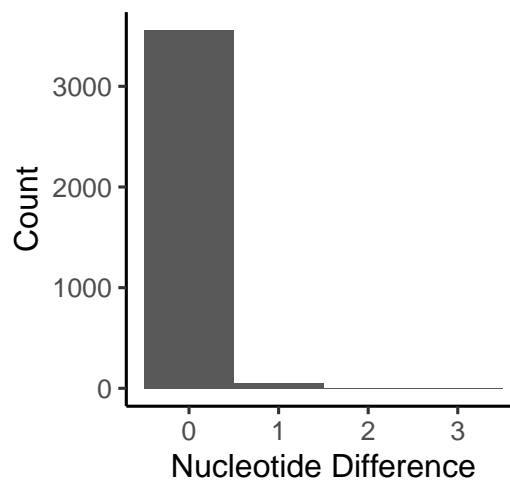
### TRBV3-12\*ap01

9214 sequences assigned  
9087 (98.6%) exact matches, in which:  
8911 unique CDR3  
13 unique J



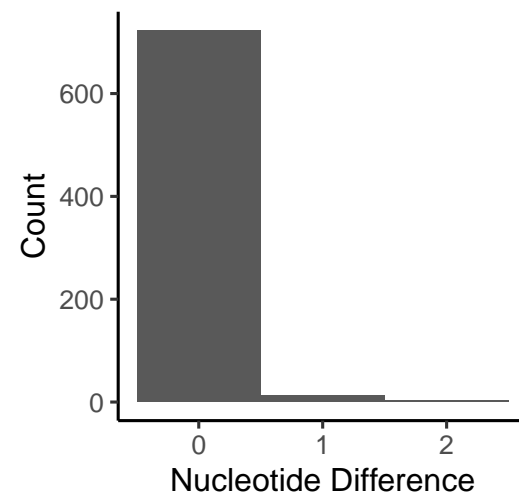
### TRBV4-2\*ap01

3613 sequences assigned  
3559 (98.5%) exact matches, in which:  
3480 unique CDR3  
13 unique J



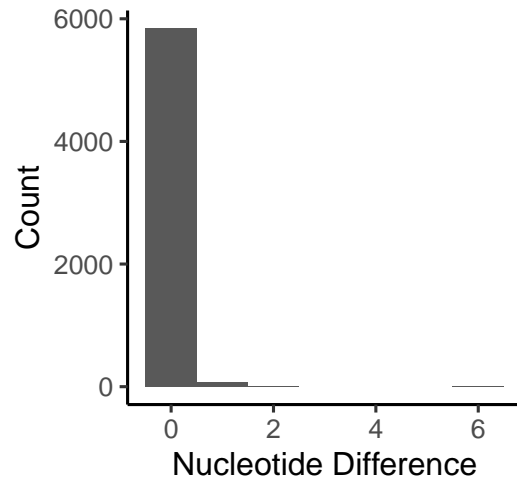
### TRBV5-3\*ap01

738 sequences assigned  
723 (98%) exact matches, in which:  
707 unique CDR3  
13 unique J



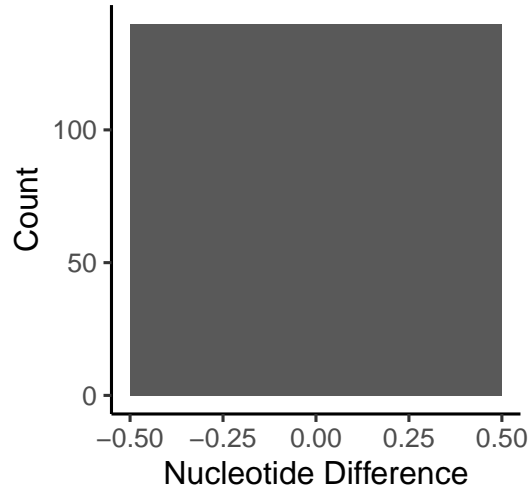
### TRBV5-4\*ap01

5912 sequences assigned  
5843 (98.8%) exact matches, in which:  
5729 unique CDR3  
13 unique J



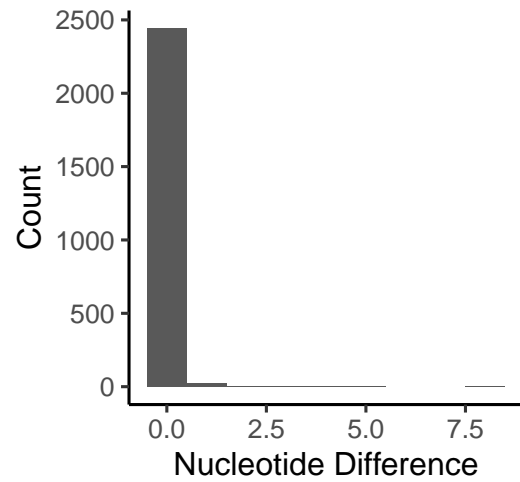
### TRBV5-7\*ap01

140 sequences assigned  
140 (100%) exact matches, in which:  
138 unique CDR3  
13 unique J



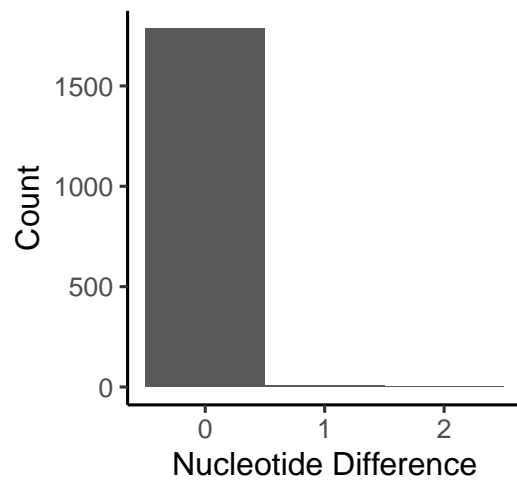
### TRBV6-4\*ap01

2475 sequences assigned  
2442 (98.7%) exact matches, in which:  
2407 unique CDR3  
13 unique J



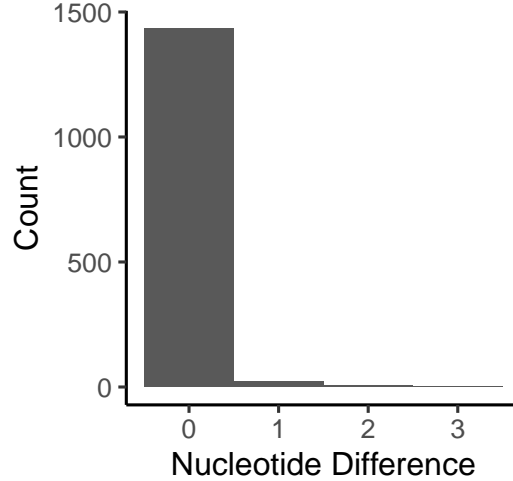
### TRBV5-5\*ap01

1795 sequences assigned  
1785 (99.4%) exact matches, in which:  
1769 unique CDR3  
13 unique J



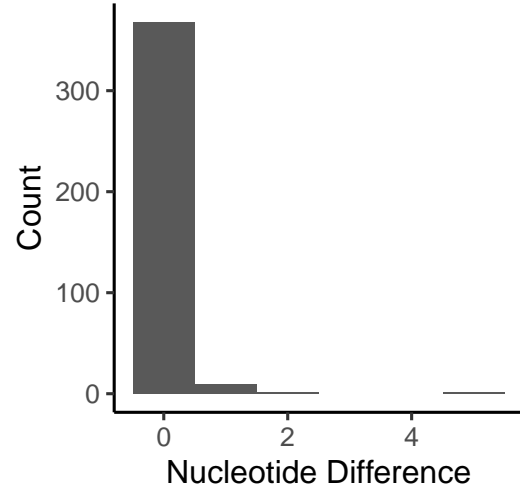
### TRBV5-8\*ap01

1465 sequences assigned  
1433 (97.8%) exact matches, in which:  
1417 unique CDR3  
13 unique J



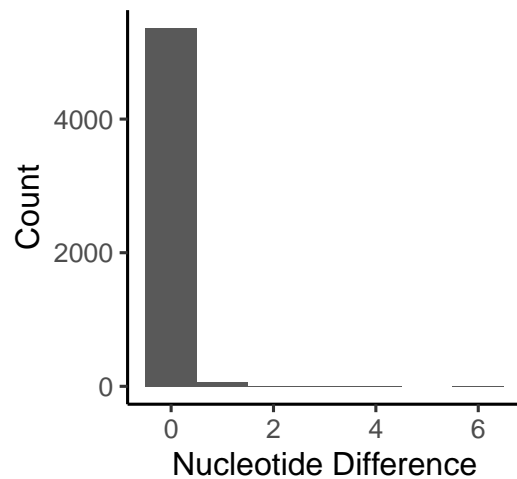
### TRBV6-7\*ap01

379 sequences assigned  
368 (97.1%) exact matches, in which:  
361 unique CDR3  
13 unique J



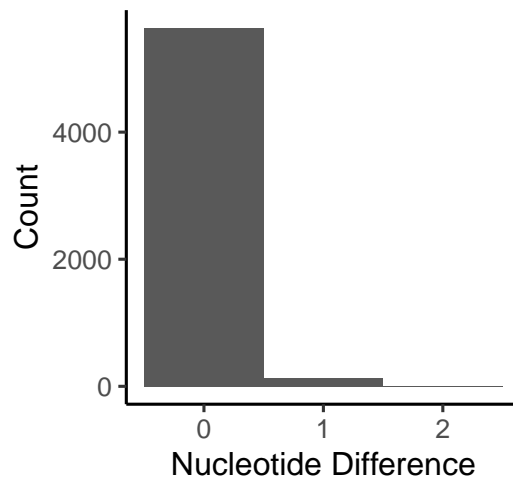
### TRBV5-6\*ap01

5435 sequences assigned  
5363 (98.7%) exact matches, in which:  
5231 unique CDR3  
13 unique J



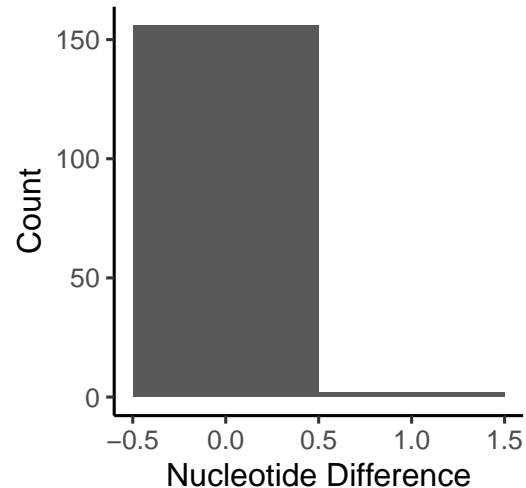
### TRBV6-1\*ap01

5768 sequences assigned  
5638 (97.7%) exact matches, in which:  
5492 unique CDR3  
13 unique J



### TRBV6-8\*ap01

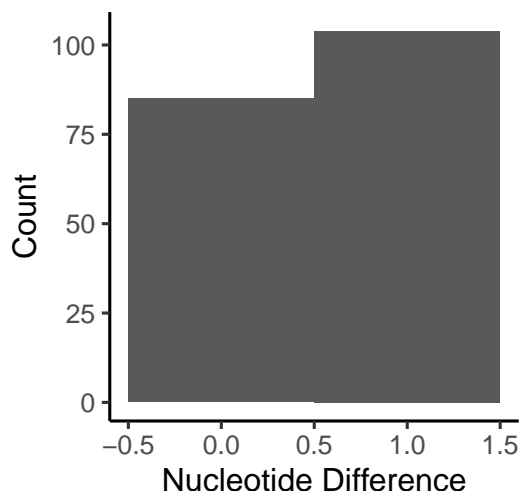
158 sequences assigned  
156 (98.7%) exact matches, in which:  
150 unique CDR3  
13 unique J





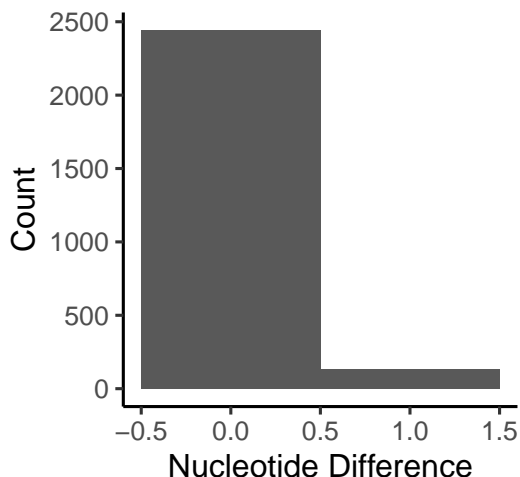
### TRBV6-9\*ap01

189 sequences assigned  
85 (45%) exact matches, in which:  
80 unique CDR3  
12 unique J



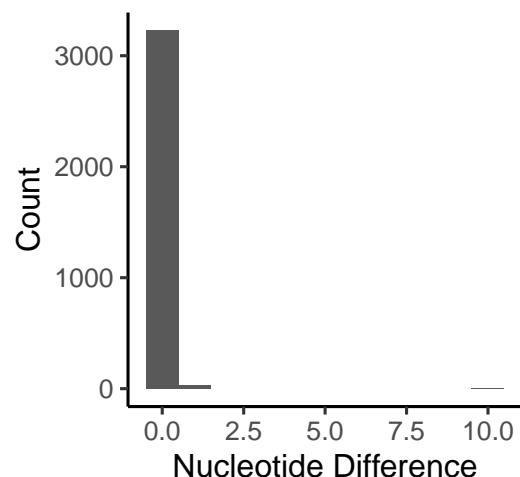
### TRBV6-56\*ap02

2576 sequences assigned  
2441 (94.8%) exact matches, in which:  
2374 unique CDR3  
13 unique J



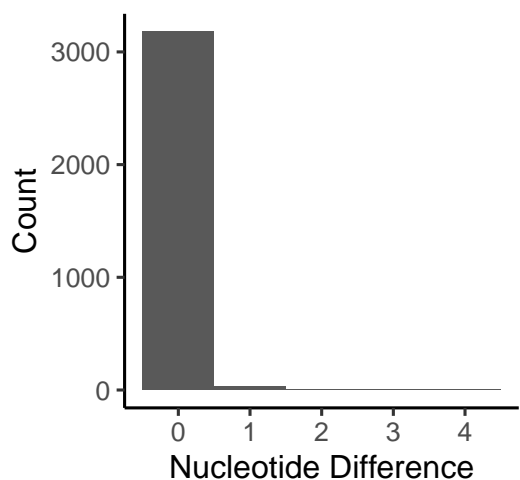
### TRBV7-3\*ap01

3257 sequences assigned  
3228 (99.1%) exact matches, in which:  
3187 unique CDR3  
13 unique J



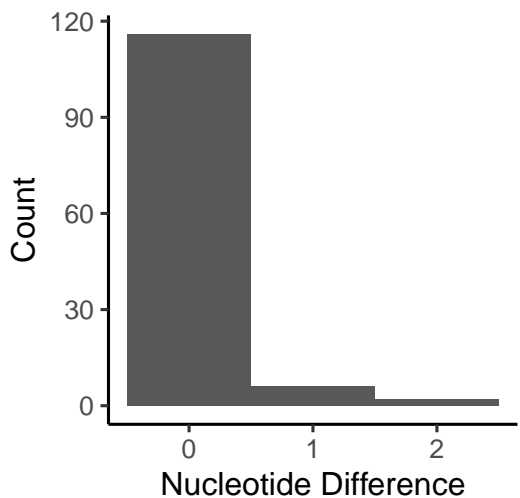
### TRBV6-23\*ap01

3218 sequences assigned  
3179 (98.8%) exact matches, in which:  
3108 unique CDR3  
13 unique J



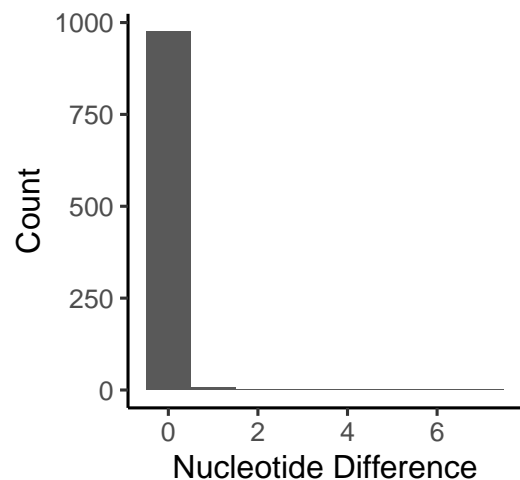
### TRBV7-1\*ap01\_G291C\_

124 sequences assigned  
116 (93.5%) exact matches, in which:  
116 unique CDR3  
12 unique J



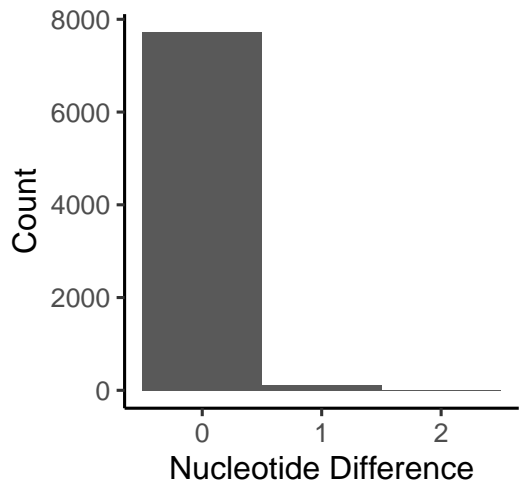
### TRBV7-3\*ap02

991 sequences assigned  
975 (98.4%) exact matches, in which:  
964 unique CDR3  
13 unique J



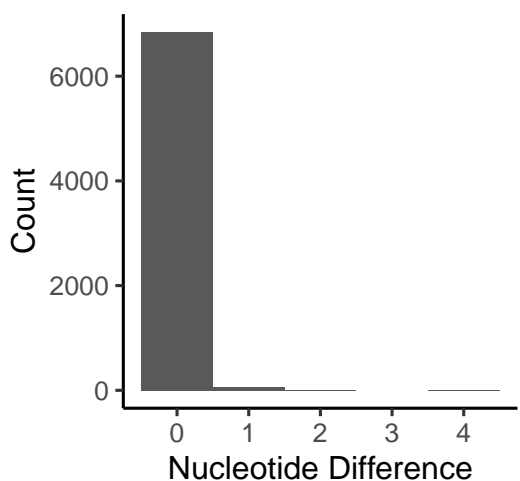
### TRBV6-56\*ap01

7844 sequences assigned  
7725 (98.5%) exact matches, in which:  
7560 unique CDR3  
13 unique J



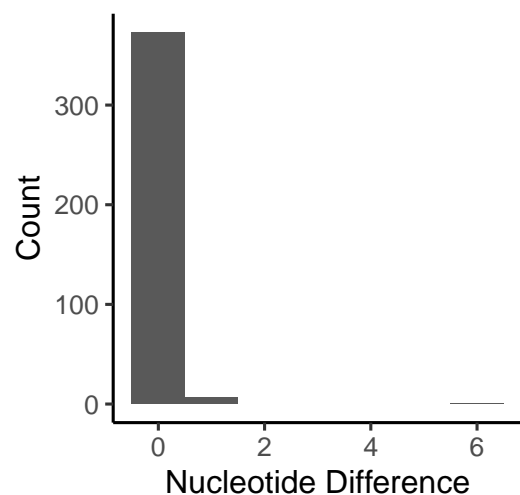
### TRBV7-2\*ap01

6906 sequences assigned  
6843 (99.1%) exact matches, in which:  
6735 unique CDR3  
13 unique J



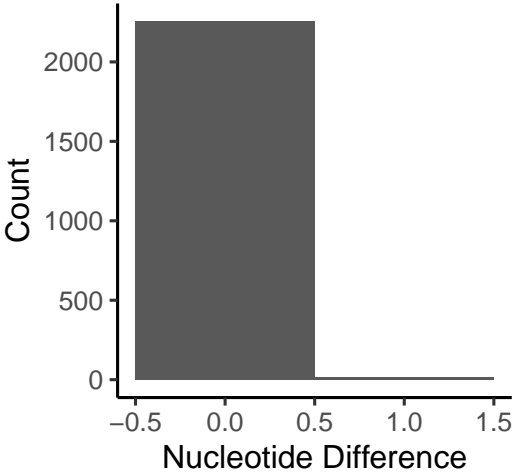
### TRBV7-4\*ap01

381 sequences assigned  
373 (97.9%) exact matches, in which:  
366 unique CDR3  
13 unique J



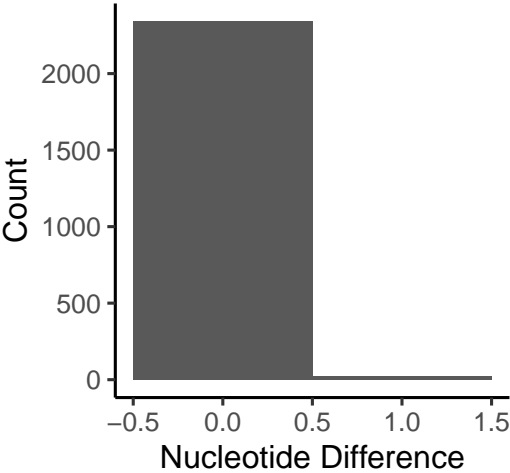
TRBV7-6\*ap01

2271 sequences assigned  
2255 (99.3%) exact matches, in which:  
2223 unique CDR3  
13 unique J



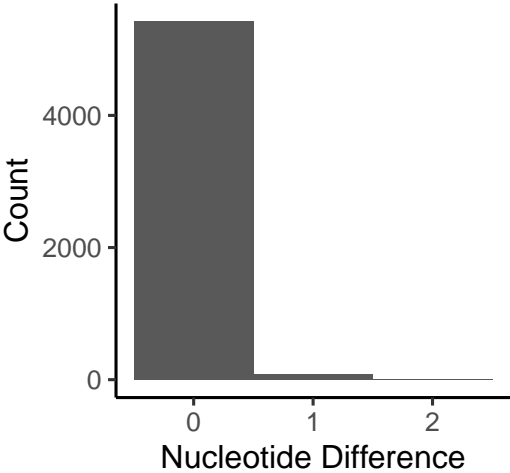
TRBV7-8\*ap01

2366 sequences assigned  
2341 (98.9%) exact matches, in which:  
2298 unique CDR3  
13 unique J



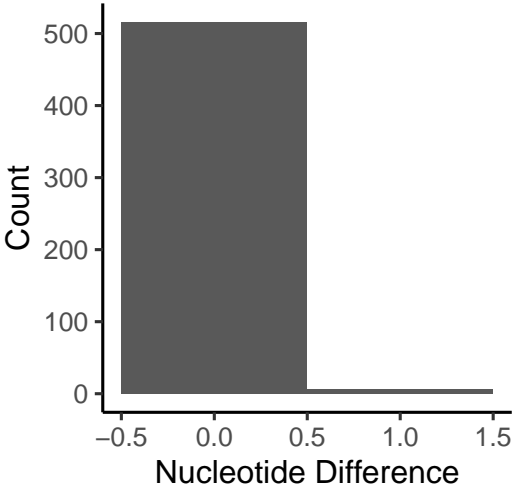
TRBV29-1\*ap01

5515 sequences assigned  
5423 (98.3%) exact matches, in which:  
5324 unique CDR3  
13 unique J



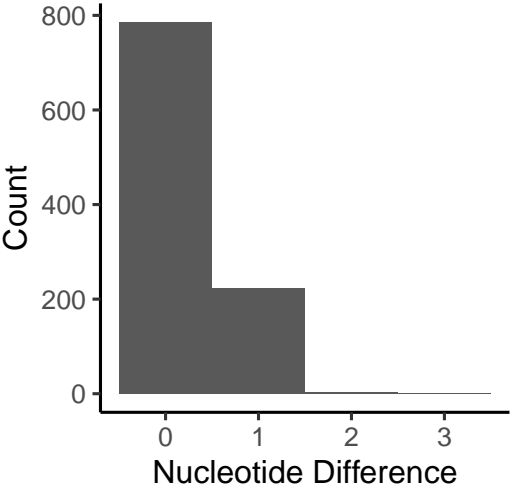
TRBV7-7\*ap01

522 sequences assigned  
516 (98.9%) exact matches, in which:  
505 unique CDR3  
13 unique J



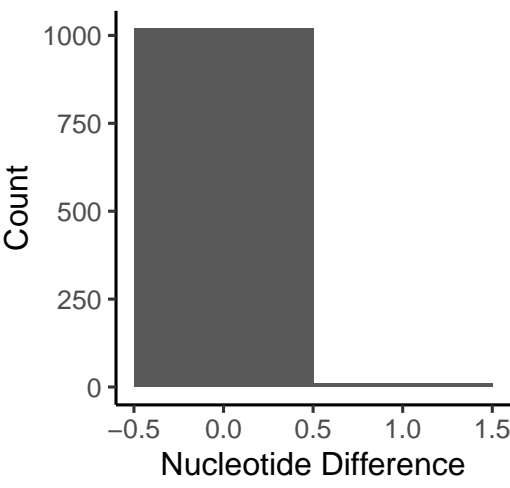
TRBV7-8\*ap03

1015 sequences assigned  
786 (77.4%) exact matches, in which:  
769 unique CDR3  
13 unique J



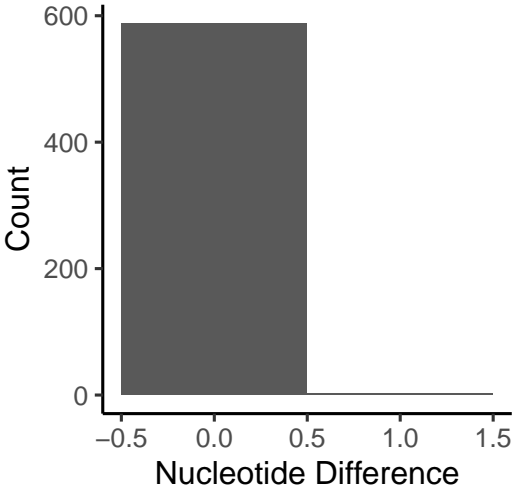
TRBV29-1\*ap02

1029 sequences assigned  
1019 (99%) exact matches, in which:  
1002 unique CDR3  
13 unique J



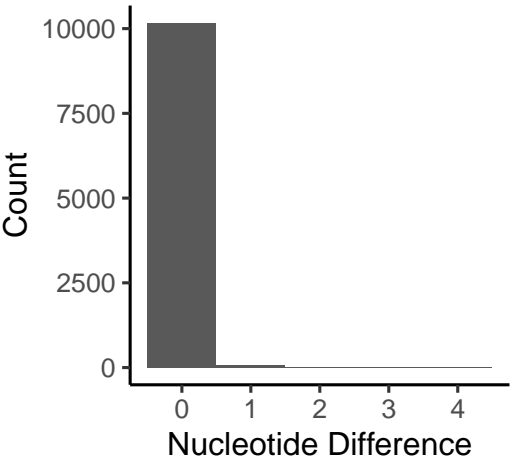
TRBV7-7\*ap01\_C315T

590 sequences assigned  
588 (99.7%) exact matches, in which:  
579 unique CDR3  
13 unique J

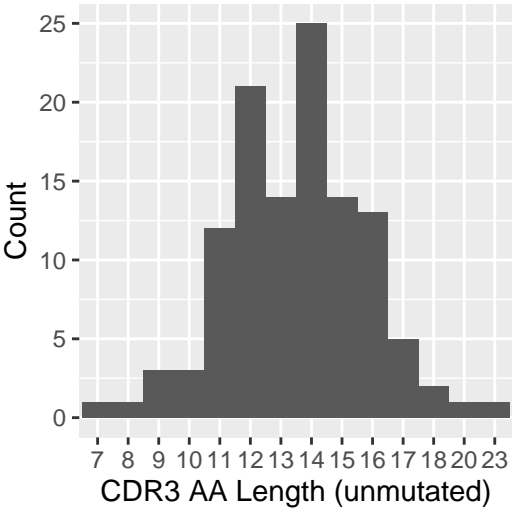


TRBV7-9\*ap01

10246 sequences assigned  
10172 (99.3%) exact matches, in which:  
10013 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

