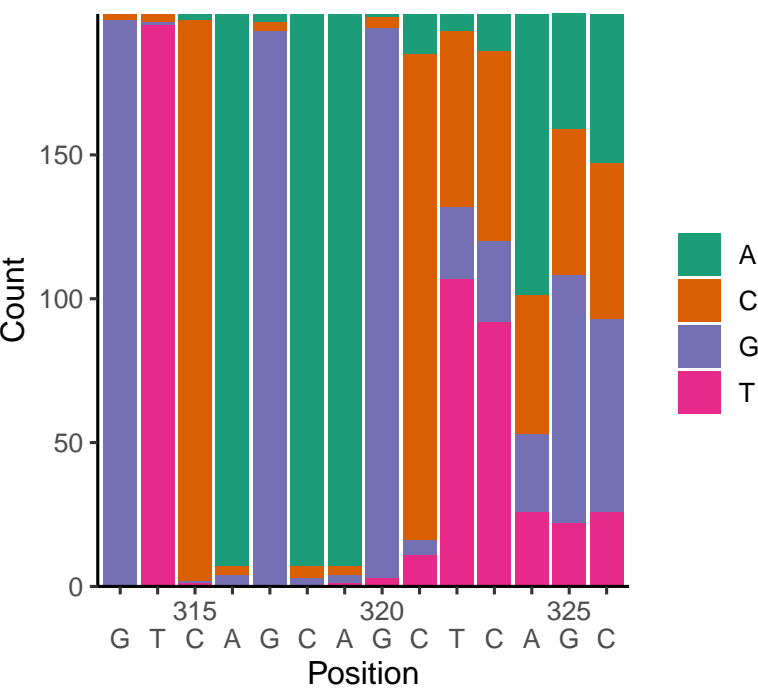


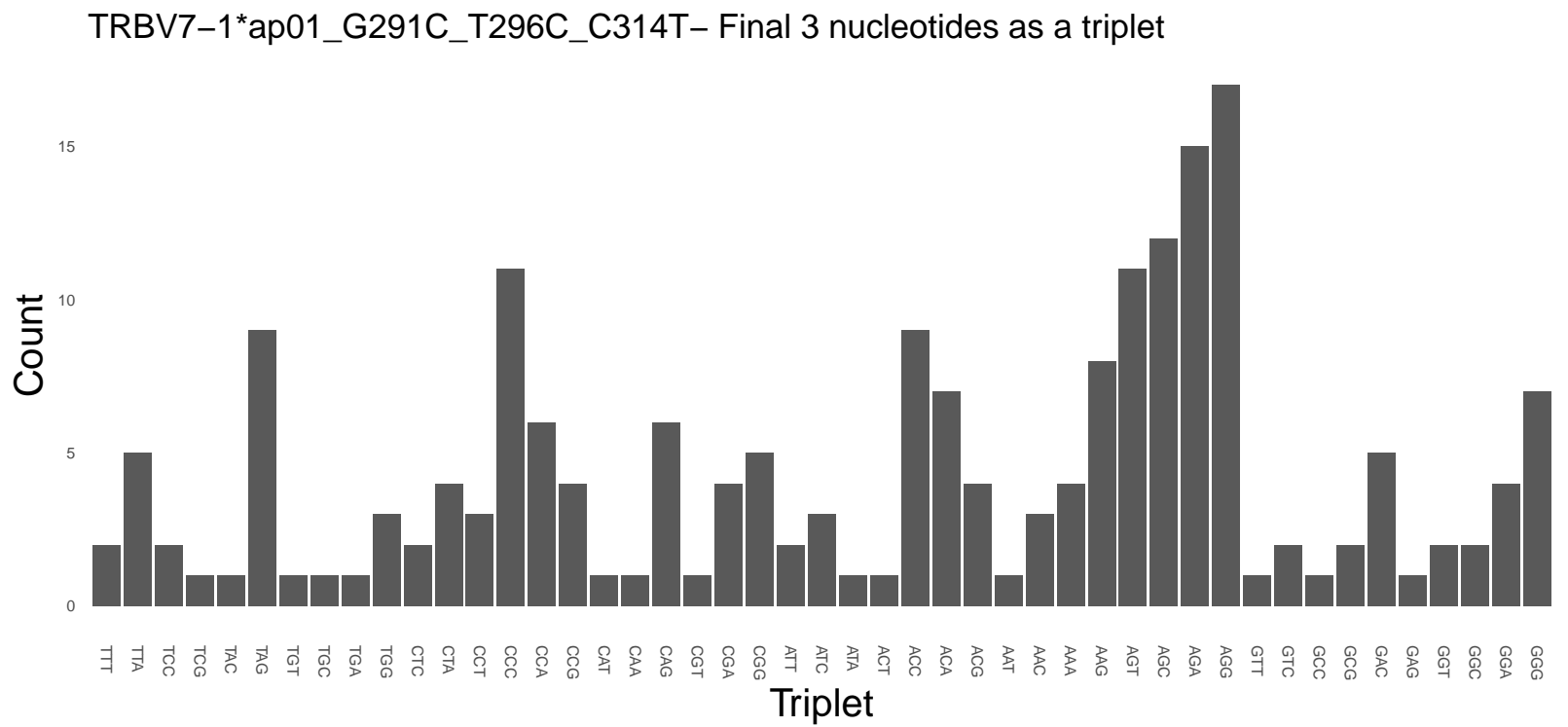
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

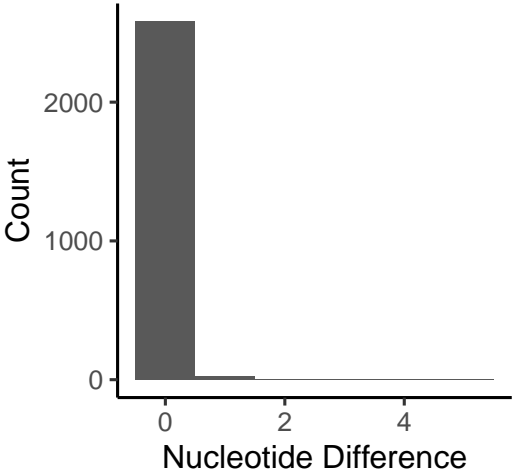


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



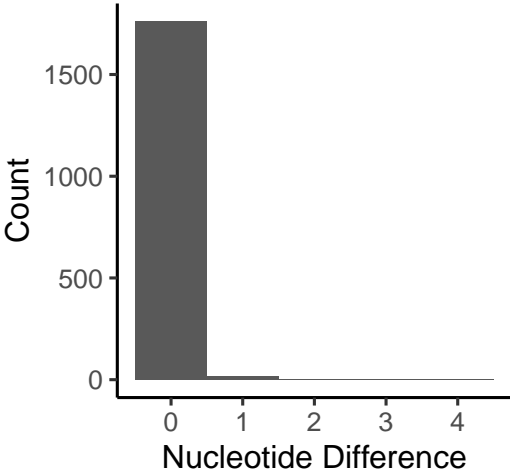
TRBV10-1\*ap01

2611 sequences assigned  
2582 (98.9%) exact matches, in which:  
2507 unique CDR3  
13 unique J



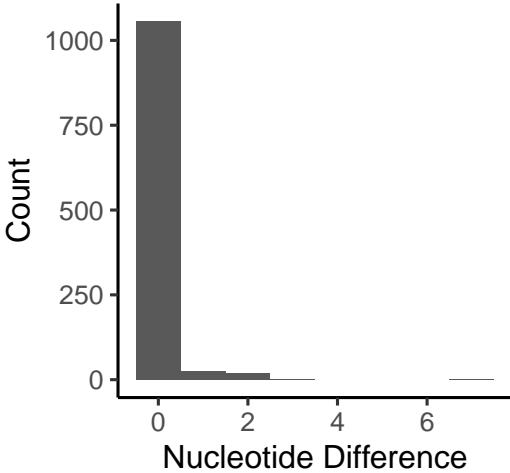
TRBV10-2\*ap01

1780 sequences assigned  
1761 (98.9%) exact matches, in which:  
1700 unique CDR3  
13 unique J



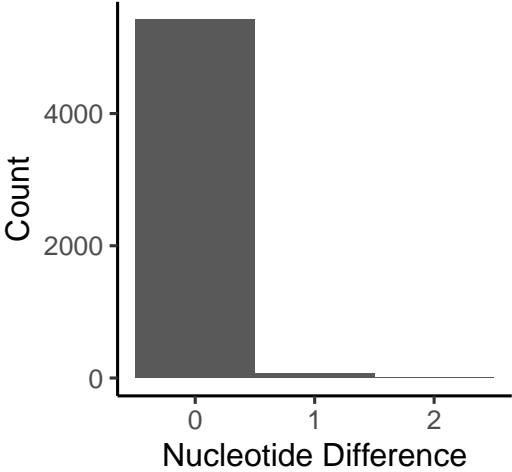
TRBV13\*ap01

1105 sequences assigned  
1056 (95.6%) exact matches, in which:  
1007 unique CDR3  
13 unique J



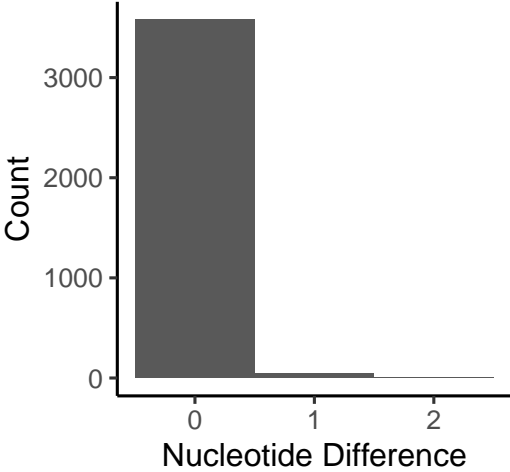
TRBV20-1\*ap01

5496 sequences assigned  
5419 (98.6%) exact matches, in which:  
5288 unique CDR3  
13 unique J



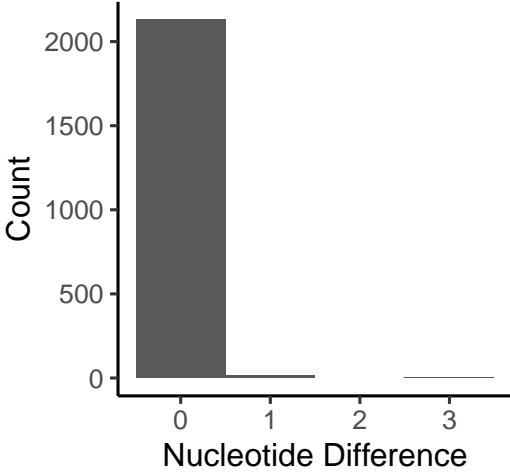
TRBV10-3\*ap01

3629 sequences assigned  
3578 (98.6%) exact matches, in which:  
3476 unique CDR3  
13 unique J



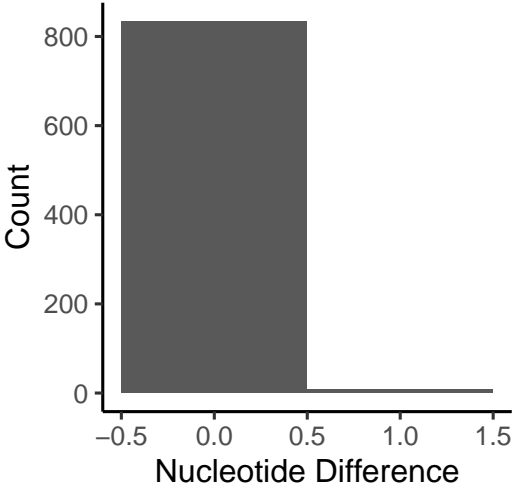
TRBV14\*ap01

2147 sequences assigned  
2130 (99.2%) exact matches, in which:  
2074 unique CDR3  
13 unique J



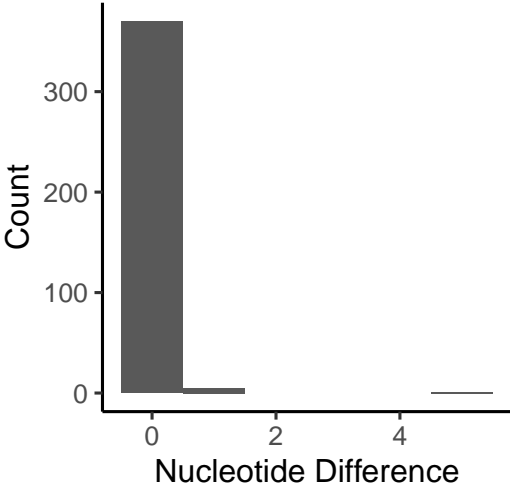
TRBV20-1\*ap02

841 sequences assigned  
834 (99.2%) exact matches, in which:  
820 unique CDR3  
13 unique J



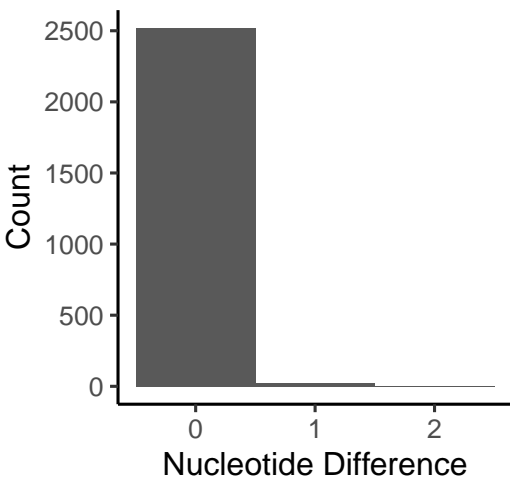
TRBV1\*ap01

376 sequences assigned  
370 (98.4%) exact matches, in which:  
365 unique CDR3  
13 unique J



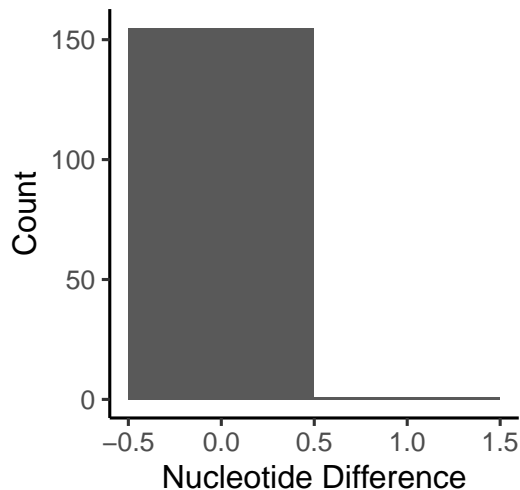
TRBV15\*ap02

2542 sequences assigned  
2519 (99.1%) exact matches, in which:  
2451 unique CDR3  
13 unique J



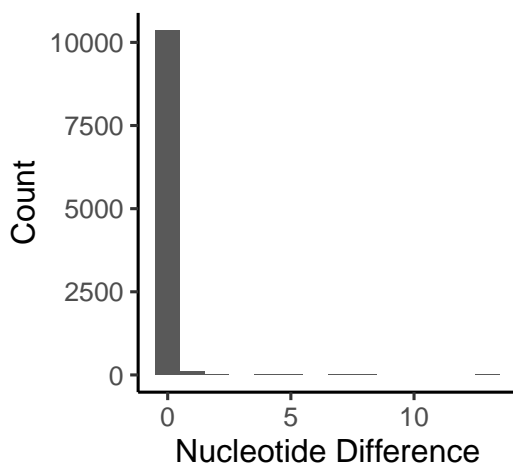
### TRBV16\*ap01

156 sequences assigned  
155 (99.4%) exact matches, in which:  
153 unique CDR3  
12 unique J



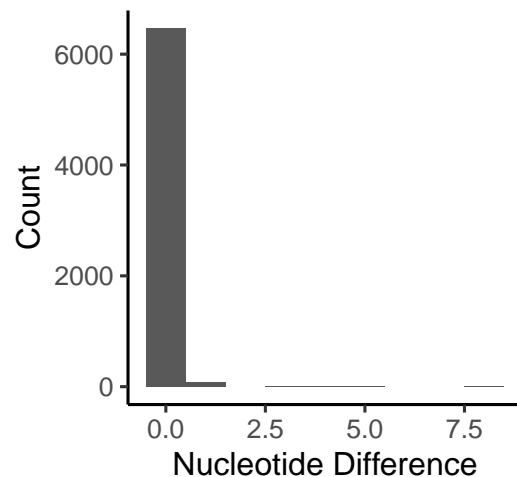
### TRBV19\*ap01

10490 sequences assigned  
10368 (98.8%) exact matches, in which:  
10169 unique CDR3  
13 unique J



### TRBV27\*ap01

6552 sequences assigned  
6465 (98.7%) exact matches, in which:  
6283 unique CDR3  
13 unique J



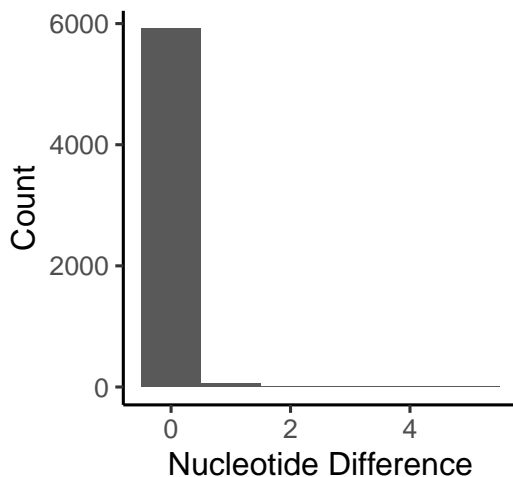
### TRBV17\*ap01

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



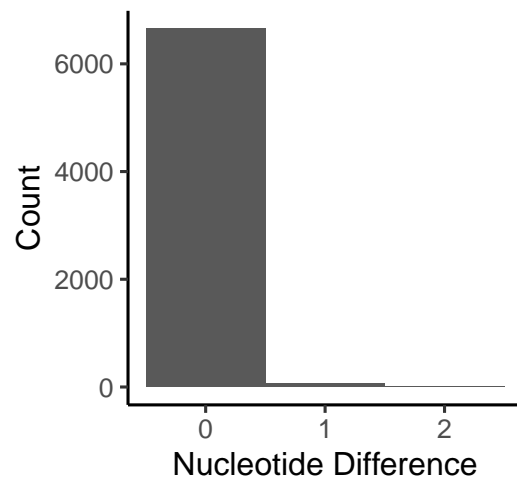
### TRBV2\*ap01

5988 sequences assigned  
5915 (98.8%) exact matches, in which:  
5759 unique CDR3  
14 unique J



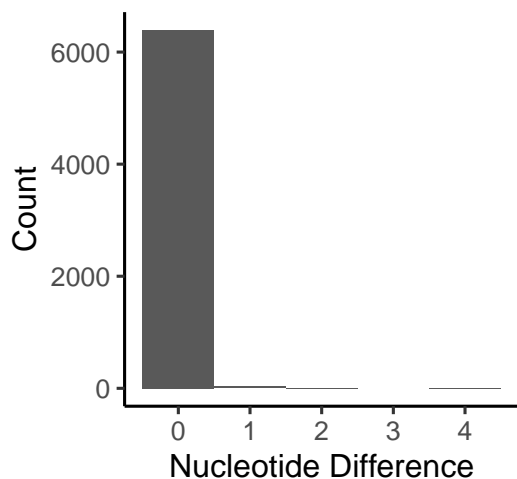
### TRBV28\*ap01

6726 sequences assigned  
6652 (98.9%) exact matches, in which:  
6492 unique CDR3  
13 unique J



### TRBV18\*ap01

6430 sequences assigned  
6393 (99.4%) exact matches, in which:  
6227 unique CDR3  
13 unique J



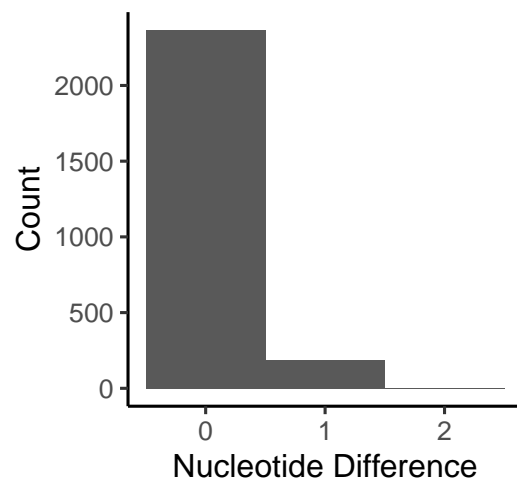
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



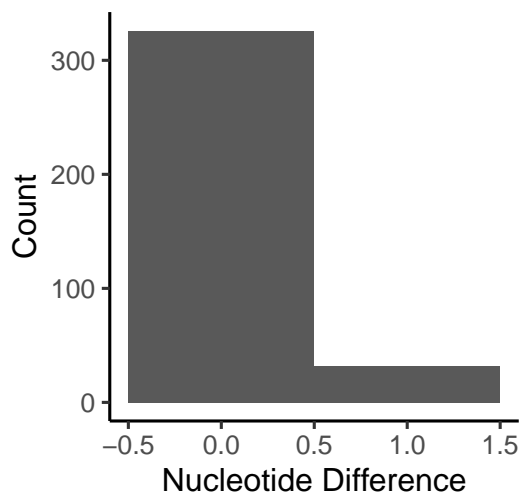
### TRBV30\*ap01

2555 sequences assigned  
2366 (92.6%) exact matches, in which:  
2334 unique CDR3  
13 unique J



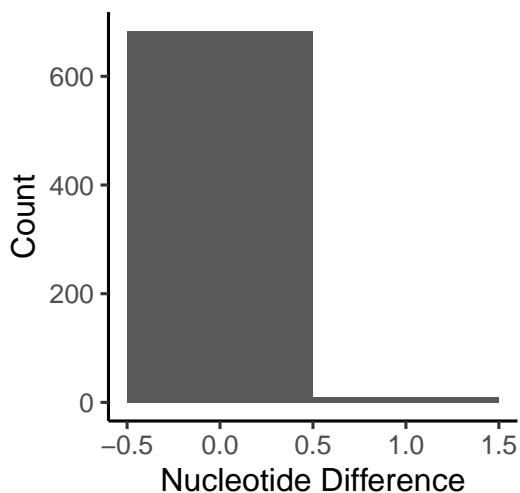
### TRBV30\*ap03

358 sequences assigned  
326 (91.1%) exact matches, in which:  
314 unique CDR3  
13 unique J



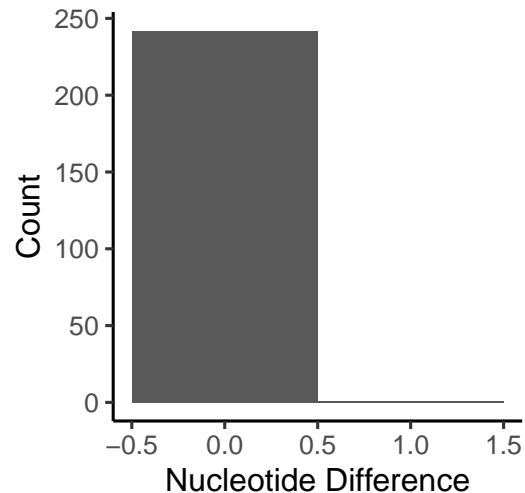
### TRBV11-1\*ap01

694 sequences assigned  
684 (98.6%) exact matches, in which:  
669 unique CDR3  
13 unique J



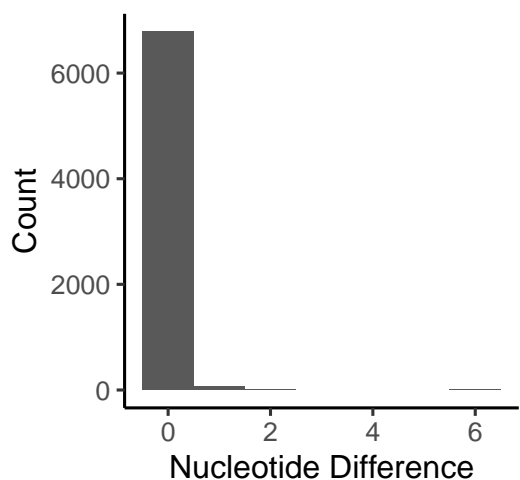
### TRBV12-1\*ap01

243 sequences assigned  
242 (99.6%) exact matches, in which:  
237 unique CDR3  
13 unique J



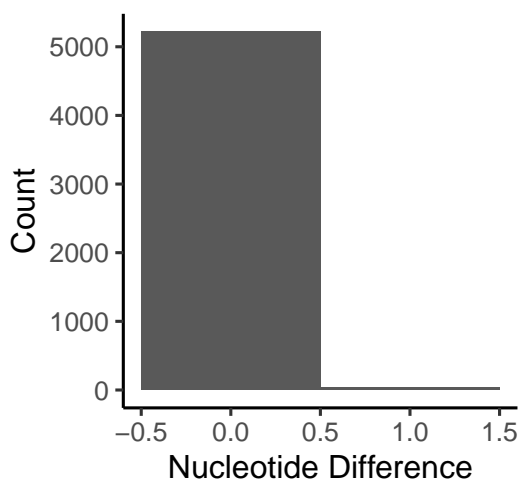
### TRBV9\*ap01

6852 sequences assigned  
6783 (99%) exact matches, in which:  
6631 unique CDR3  
13 unique J



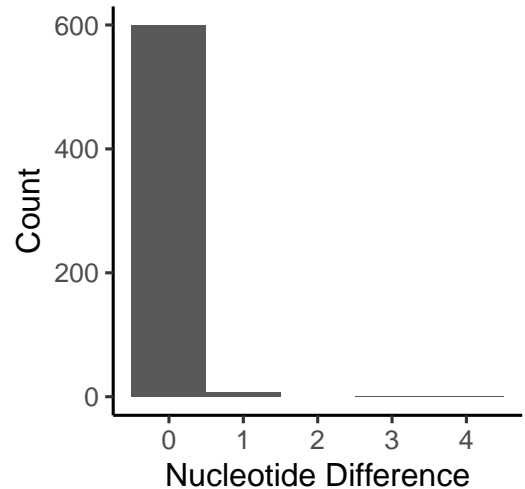
### TRBV11-2\*ap01

5254 sequences assigned  
5219 (99.3%) exact matches, in which:  
5109 unique CDR3  
13 unique J



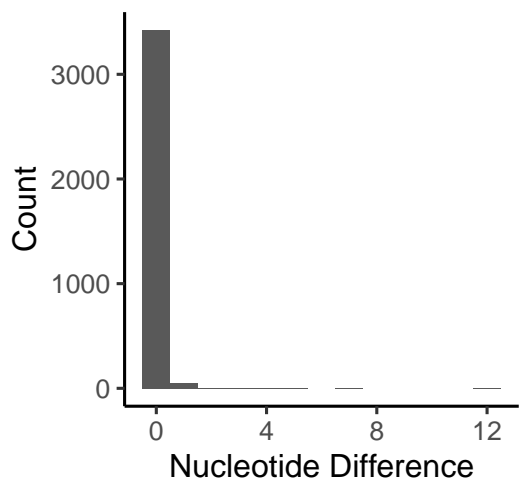
### TRBV12-2\*ap01

609 sequences assigned  
600 (98.5%) exact matches, in which:  
588 unique CDR3  
13 unique J



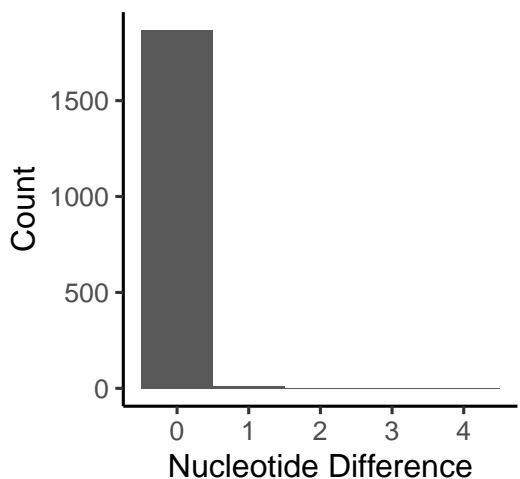
### TRBV21-1\*ap01

3486 sequences assigned  
3423 (98.2%) exact matches, in which:  
3334 unique CDR3  
13 unique J



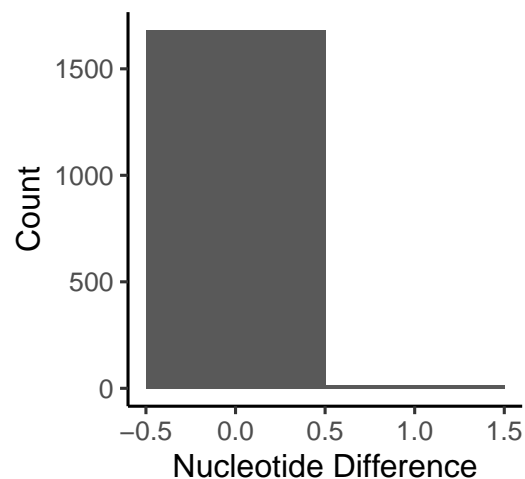
### TRBV11-3\*ap01

1884 sequences assigned  
1868 (99.2%) exact matches, in which:  
1831 unique CDR3  
14 unique J



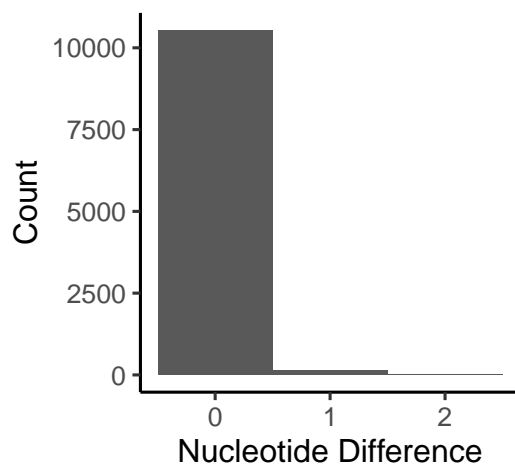
### TRBV12-5\*ap01

1697 sequences assigned  
1682 (99.1%) exact matches, in which:  
1636 unique CDR3  
13 unique J



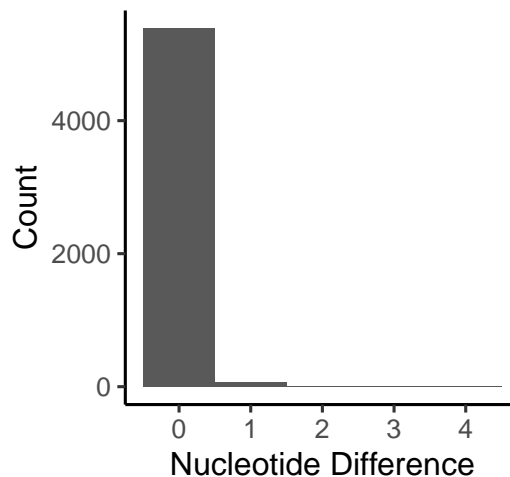
### TRBV12–34\*ap01

10681 sequences assigned  
10540 (98.7%) exact matches, in which:  
10314 unique CDR3  
13 unique J



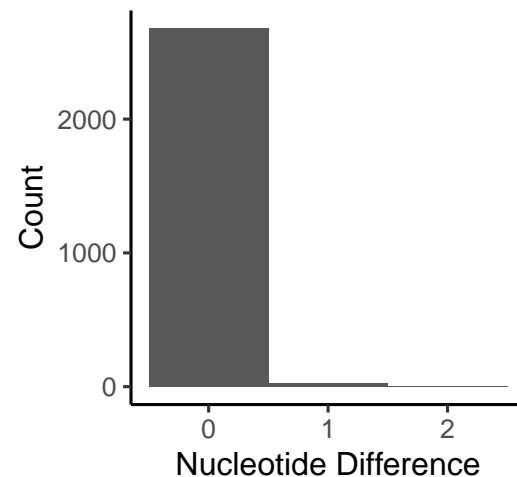
### TRBV24–1\*ap01

5465 sequences assigned  
5387 (98.6%) exact matches, in which:  
5268 unique CDR3  
13 unique J



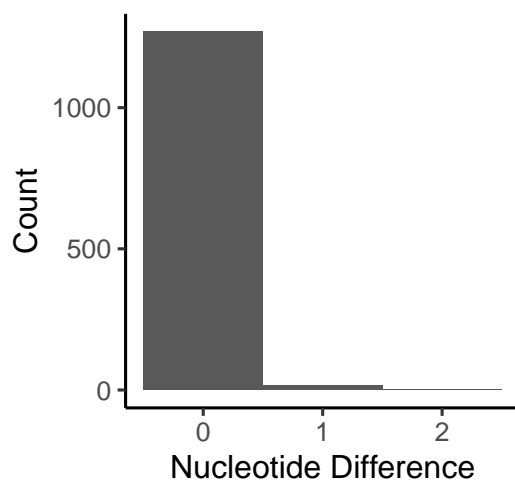
### TRBV4–3\*ap01

2709 sequences assigned  
2678 (98.9%) exact matches, in which:  
2612 unique CDR3  
13 unique J



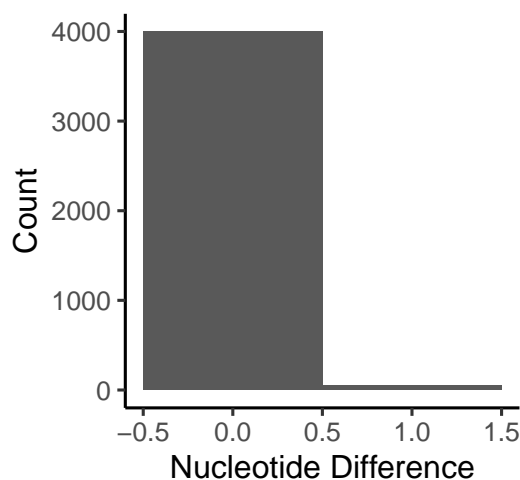
### TRBV23–1\*ap01

1285 sequences assigned  
1269 (98.8%) exact matches, in which:  
1231 unique CDR3  
13 unique J



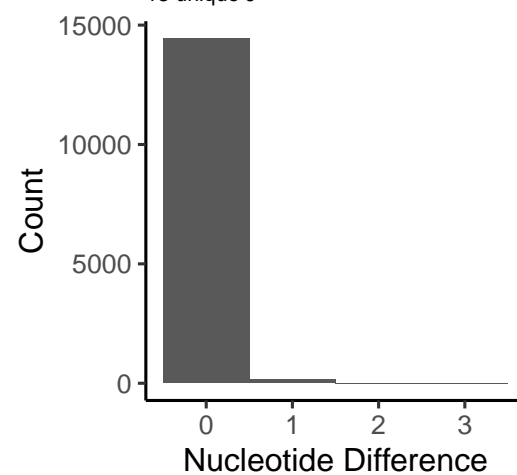
### TRBV4–1\*ap01

4047 sequences assigned  
3997 (98.8%) exact matches, in which:  
3876 unique CDR3  
13 unique J



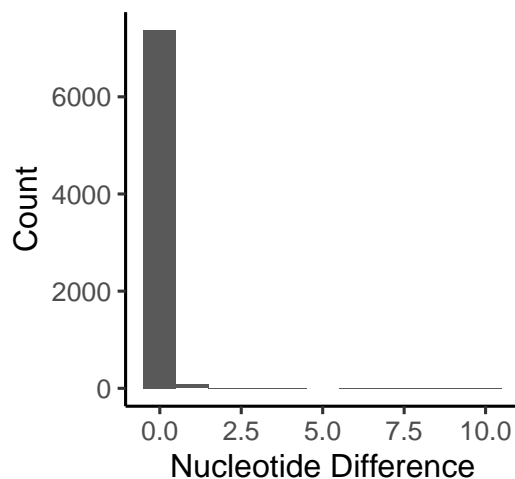
### TRBV5–1\*ap01

14599 sequences assigned  
14441 (98.9%) exact matches, in which:  
14014 unique CDR3  
13 unique J



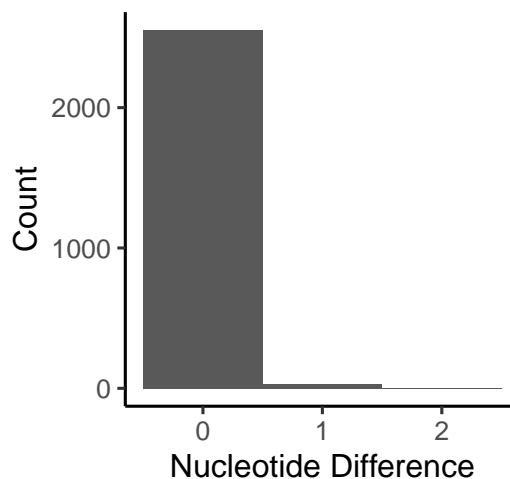
### TRBV3–12\*ap01

7468 sequences assigned  
7374 (98.7%) exact matches, in which:  
7215 unique CDR3  
13 unique J



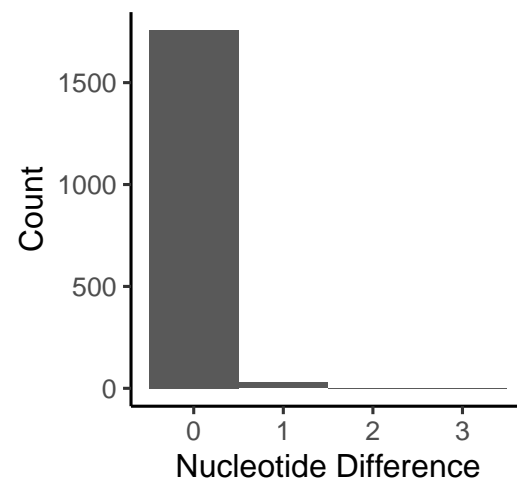
### TRBV4–2\*ap01

2586 sequences assigned  
2553 (98.7%) exact matches, in which:  
2487 unique CDR3  
13 unique J



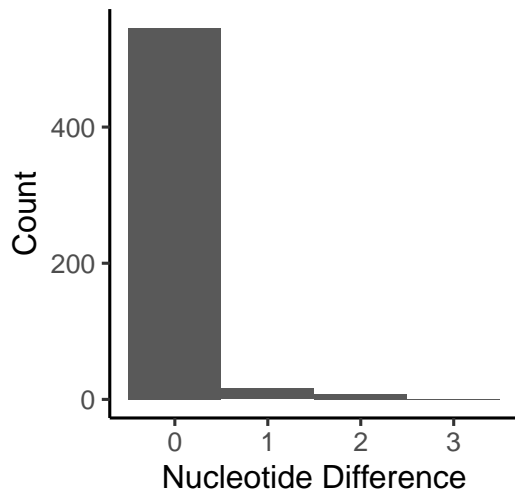
### TRBV25–1\*ap01

1789 sequences assigned  
1758 (98.3%) exact matches, in which:  
1725 unique CDR3  
13 unique J



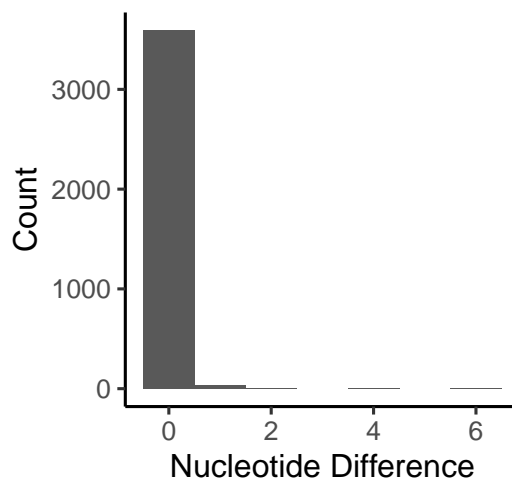
### TRBV5-3\*ap01

571 sequences assigned  
546 (95.6%) exact matches, in which:  
531 unique CDR3  
13 unique J



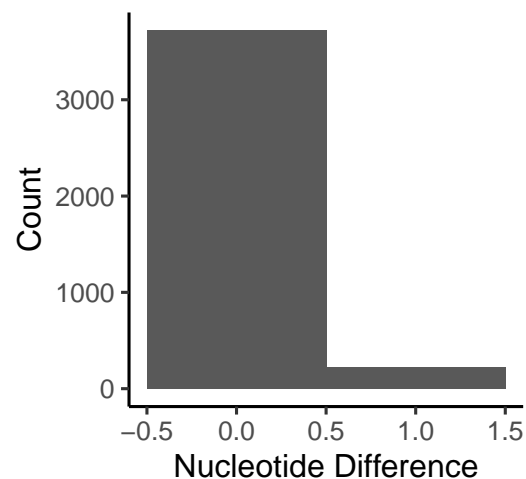
### TRBV5-6\*ap01

3629 sequences assigned  
3591 (99%) exact matches, in which:  
3492 unique CDR3  
13 unique J



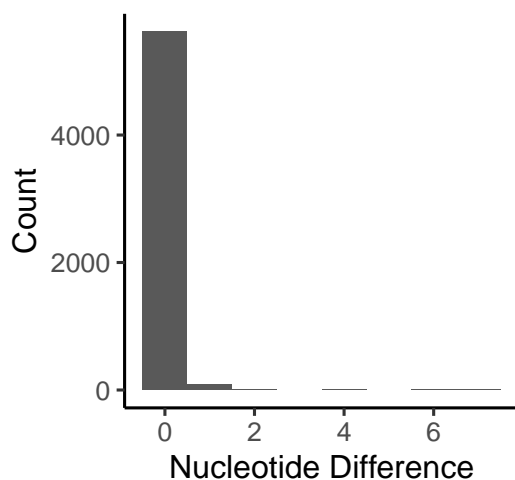
### TRBV6-1\*ap01

3939 sequences assigned  
3720 (94.4%) exact matches, in which:  
3602 unique CDR3  
13 unique J



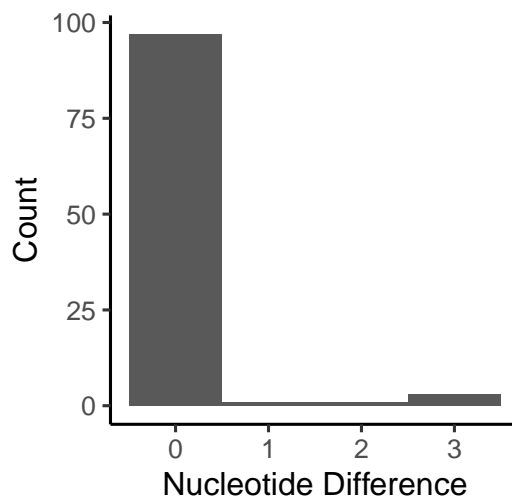
### TRBV5-4\*ap01

5708 sequences assigned  
5621 (98.5%) exact matches, in which:  
5476 unique CDR3  
13 unique J



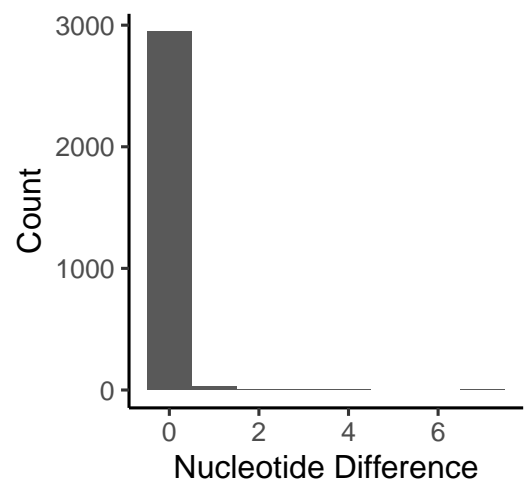
### TRBV5-7\*ap01

102 sequences assigned  
97 (95.1%) exact matches, in which:  
96 unique CDR3  
13 unique J



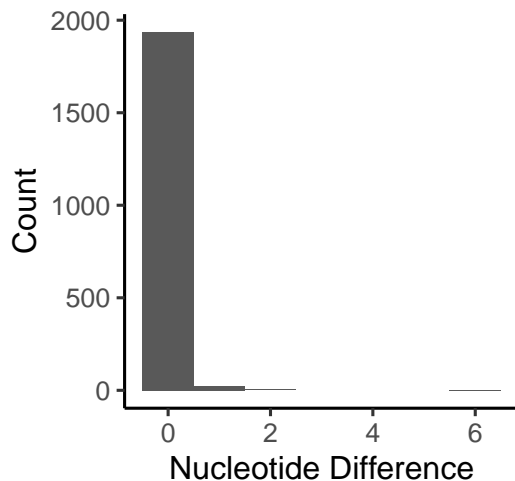
### TRBV6-4\*ap01

2983 sequences assigned  
2946 (98.8%) exact matches, in which:  
2905 unique CDR3  
13 unique J



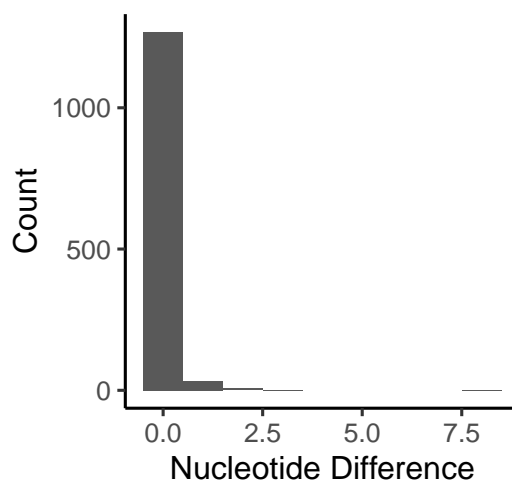
### TRBV5-5\*ap01

1966 sequences assigned  
1936 (98.5%) exact matches, in which:  
1908 unique CDR3  
13 unique J



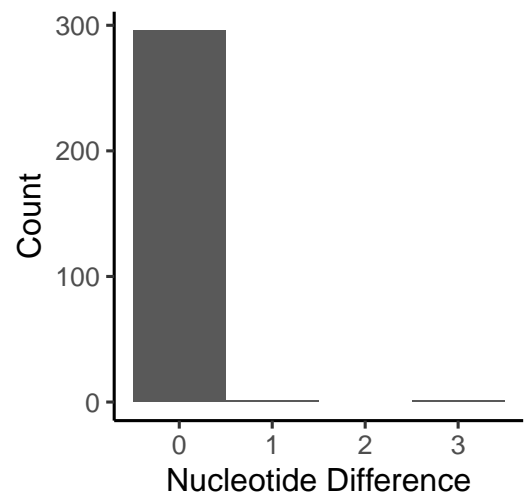
### TRBV5-8\*ap01

1310 sequences assigned  
1268 (96.8%) exact matches, in which:  
1242 unique CDR3  
13 unique J



### TRBV6-7\*ap01

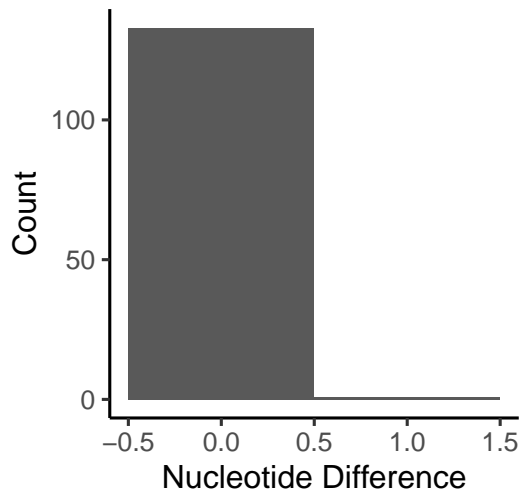
298 sequences assigned  
296 (99.3%) exact matches, in which:  
289 unique CDR3  
13 unique J





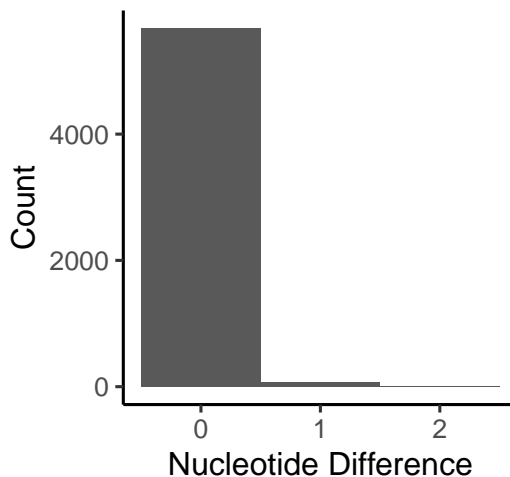
### TRBV6-8\*ap01

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



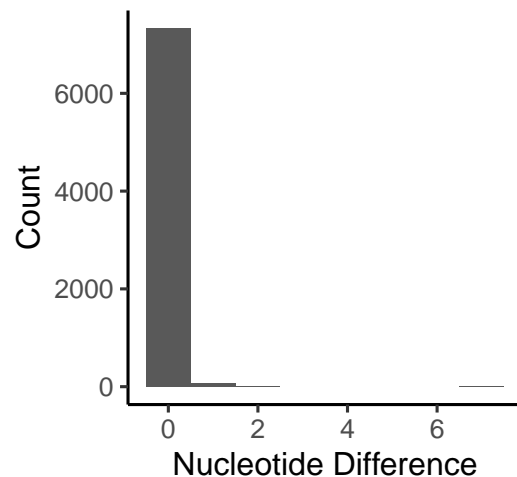
### TRBV6-56\*ap01

5745 sequences assigned  
5674 (98.8%) exact matches, in which:  
5501 unique CDR3  
13 unique J



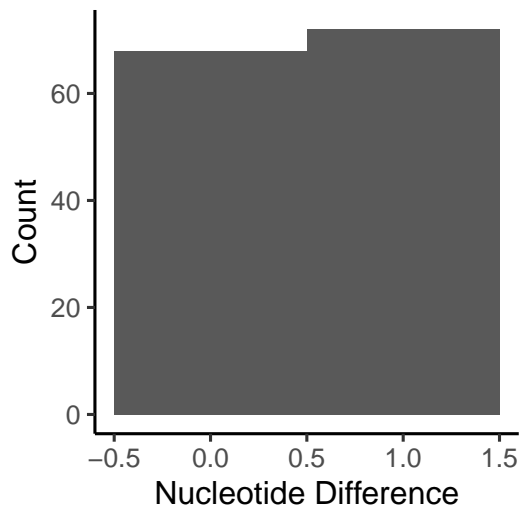
### TRBV7-2\*ap01

7411 sequences assigned  
7328 (98.9%) exact matches, in which:  
7117 unique CDR3  
13 unique J



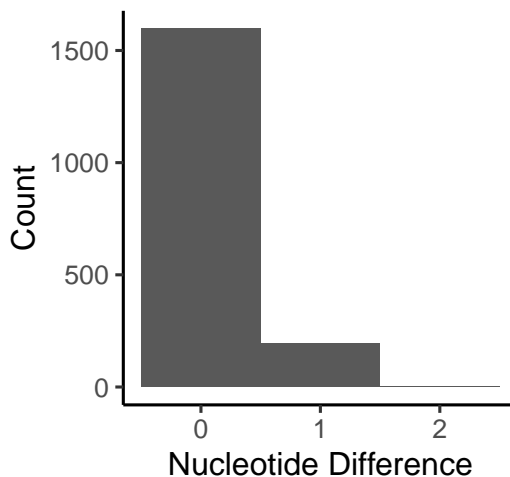
### TRBV6-9\*ap01

140 sequences assigned  
68 (48.6%) exact matches, in which:  
67 unique CDR3  
13 unique J



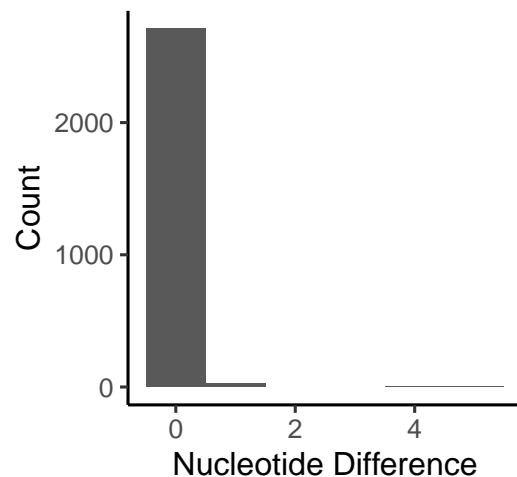
### TRBV6-56\*ap02

1792 sequences assigned  
1597 (89.1%) exact matches, in which:  
1562 unique CDR3  
13 unique J



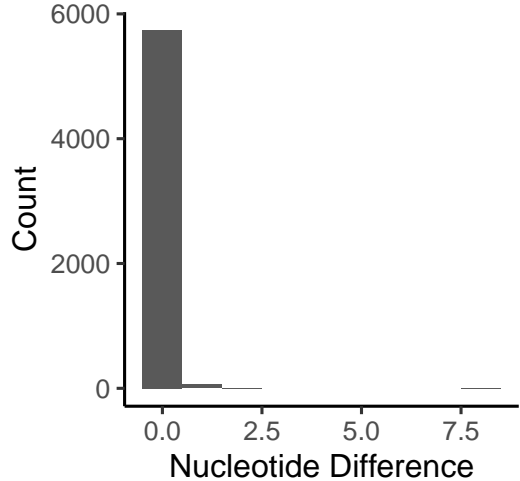
### TRBV7-3\*ap01

2738 sequences assigned  
2710 (99%) exact matches, in which:  
2655 unique CDR3  
13 unique J



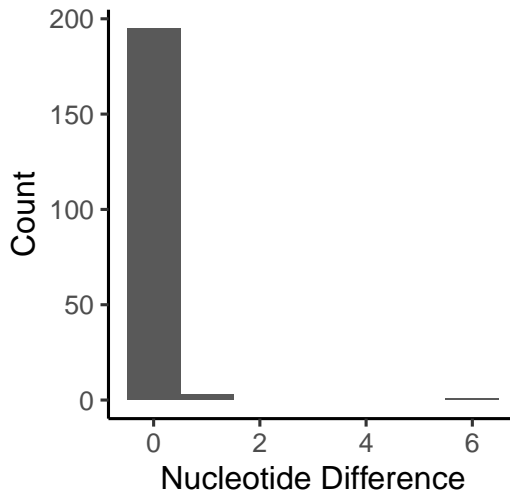
### TRBV6-23\*ap01

5806 sequences assigned  
5741 (98.9%) exact matches, in which:  
5572 unique CDR3  
13 unique J



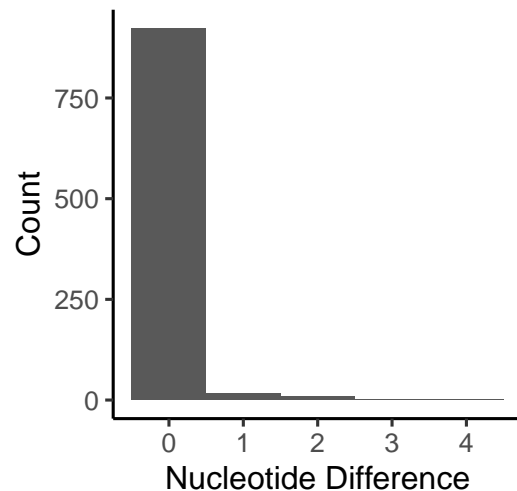
### TRBV7-1\*ap01\_G291C\_

199 sequences assigned  
195 (98%) exact matches, in which:  
190 unique CDR3  
13 unique J



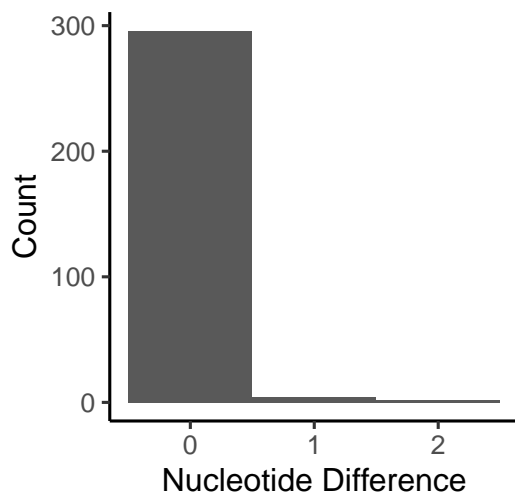
### TRBV7-3\*ap03

949 sequences assigned  
923 (97.3%) exact matches, in which:  
896 unique CDR3  
13 unique J



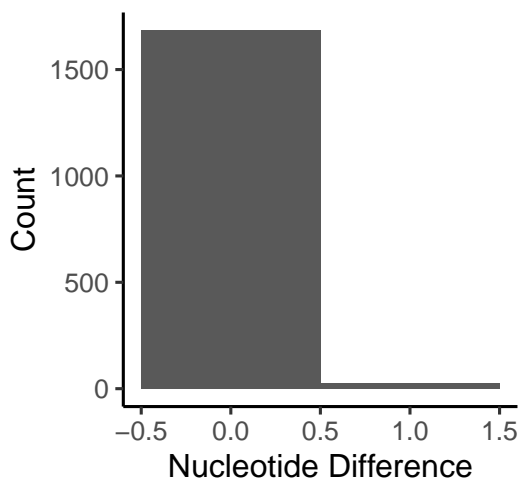
### TRBV7-4\*ap01

302 sequences assigned  
296 (98%) exact matches, in which:  
291 unique CDR3  
13 unique J



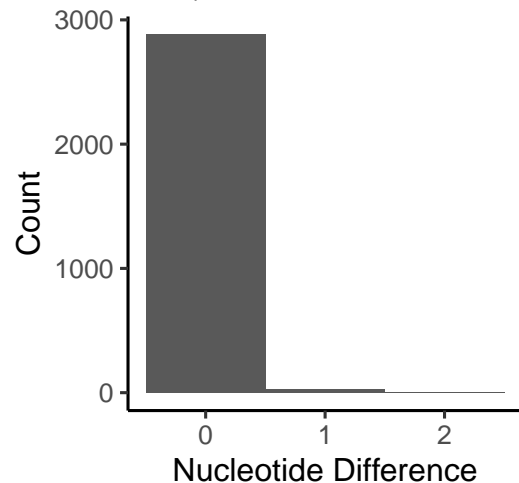
### TRBV7-8\*ap01

1710 sequences assigned  
1684 (98.5%) exact matches, in which:  
1643 unique CDR3  
13 unique J



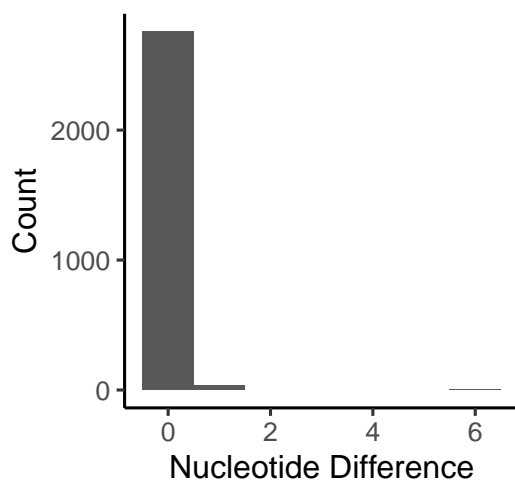
### TRBV29-1\*ap01

2916 sequences assigned  
2883 (98.9%) exact matches, in which:  
2826 unique CDR3  
13 unique J



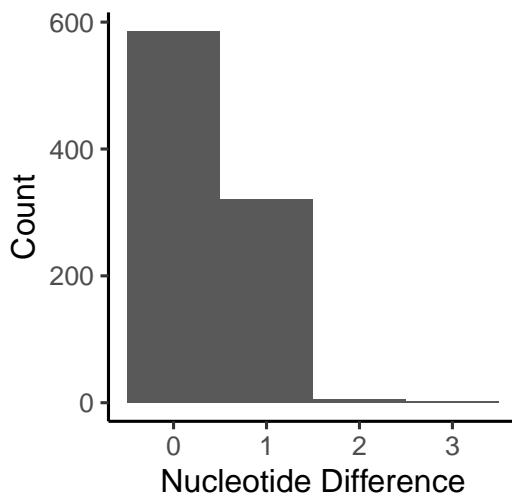
### TRBV7-6\*ap01

2792 sequences assigned  
2757 (98.7%) exact matches, in which:  
2695 unique CDR3  
13 unique J



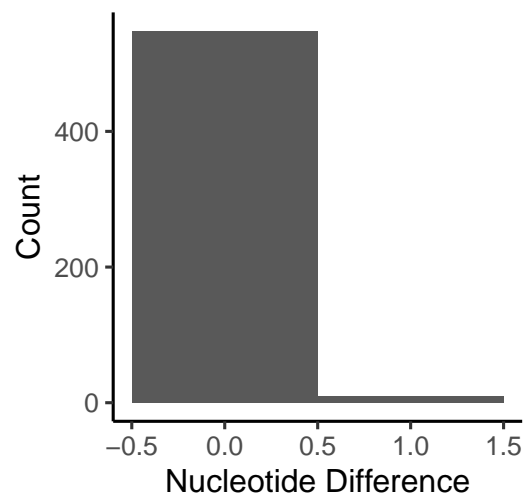
### TRBV7-8\*ap03

914 sequences assigned  
586 (64.1%) exact matches, in which:  
571 unique CDR3  
13 unique J



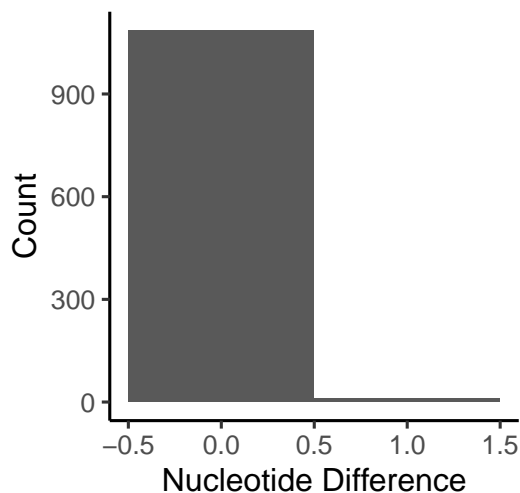
### TRBV29-1\*ap02

557 sequences assigned  
548 (98.4%) exact matches, in which:  
536 unique CDR3  
13 unique J



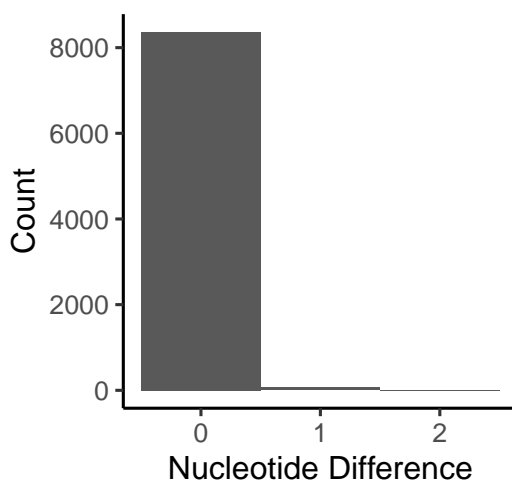
### TRBV7-7\*ap01

1096 sequences assigned  
1086 (99.1%) exact matches, in which:  
1054 unique CDR3  
13 unique J

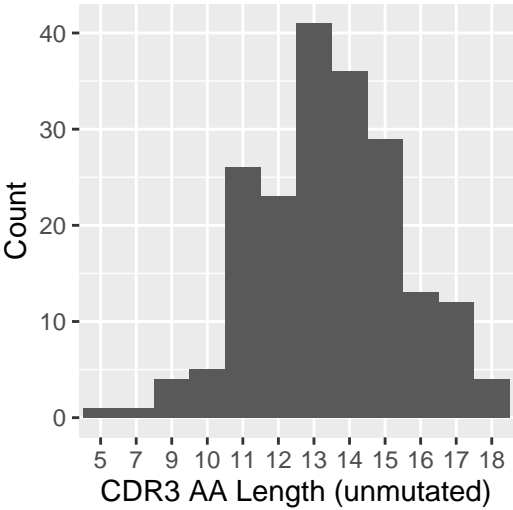


### TRBV7-9\*ap01

8435 sequences assigned  
8364 (99.2%) exact matches, in which:  
8168 unique CDR3  
13 unique J



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





[illegible]