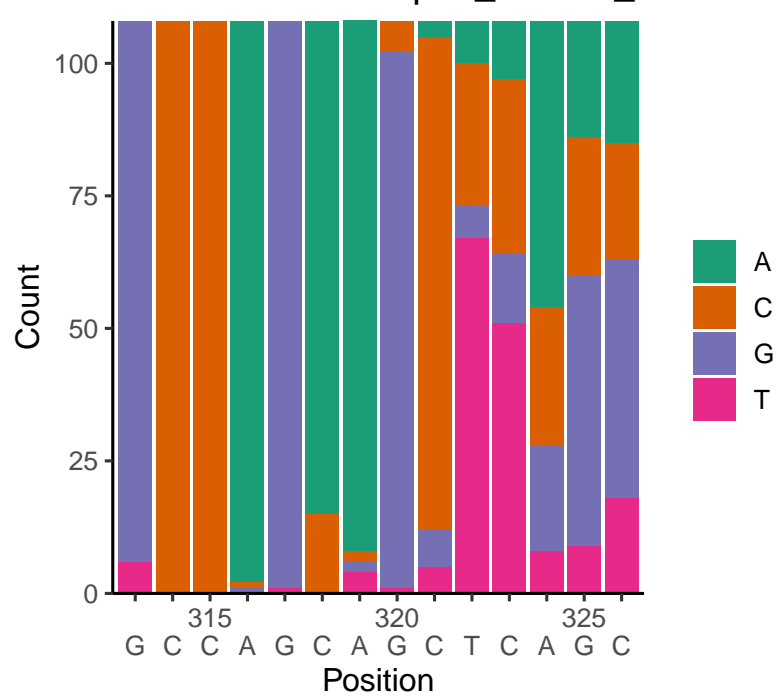
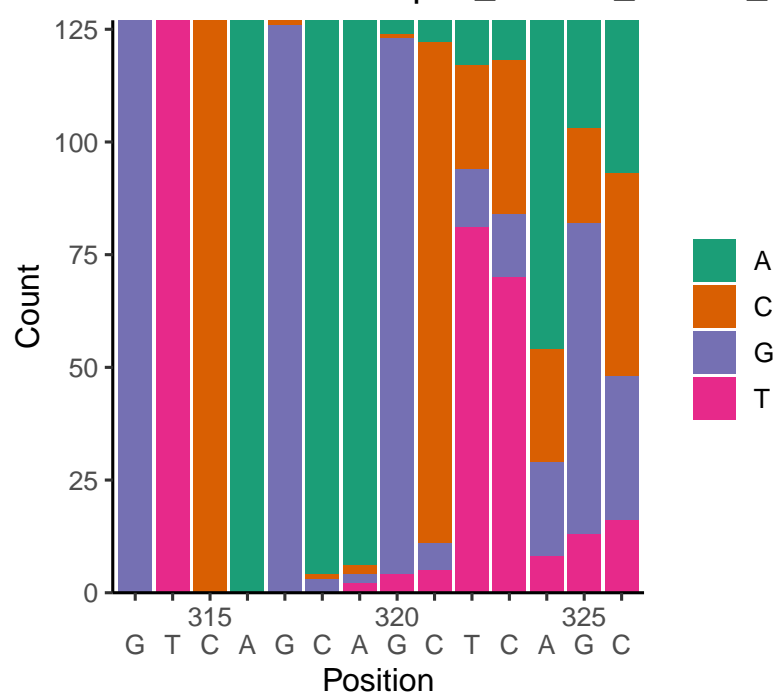


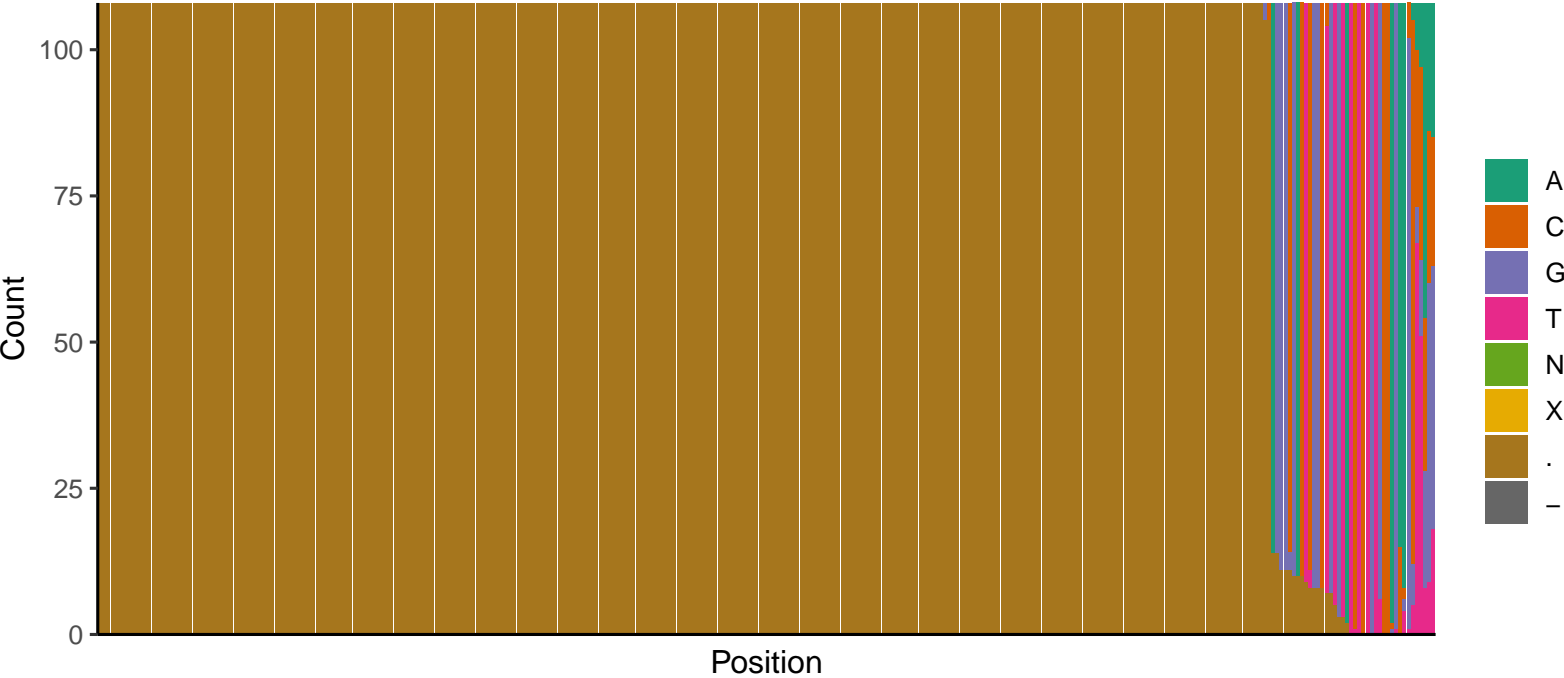
Gene TRBV7-1\*ap01\_G291C\_T296C



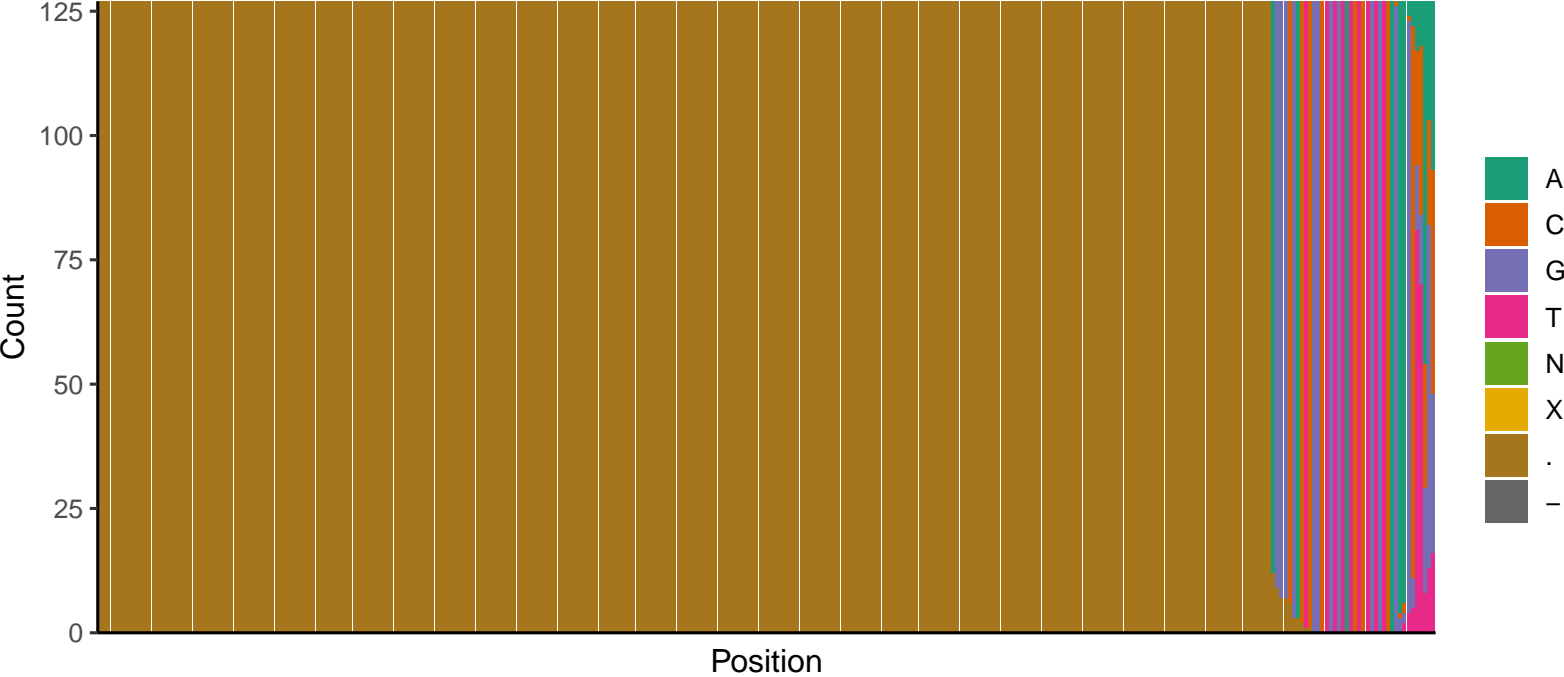
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



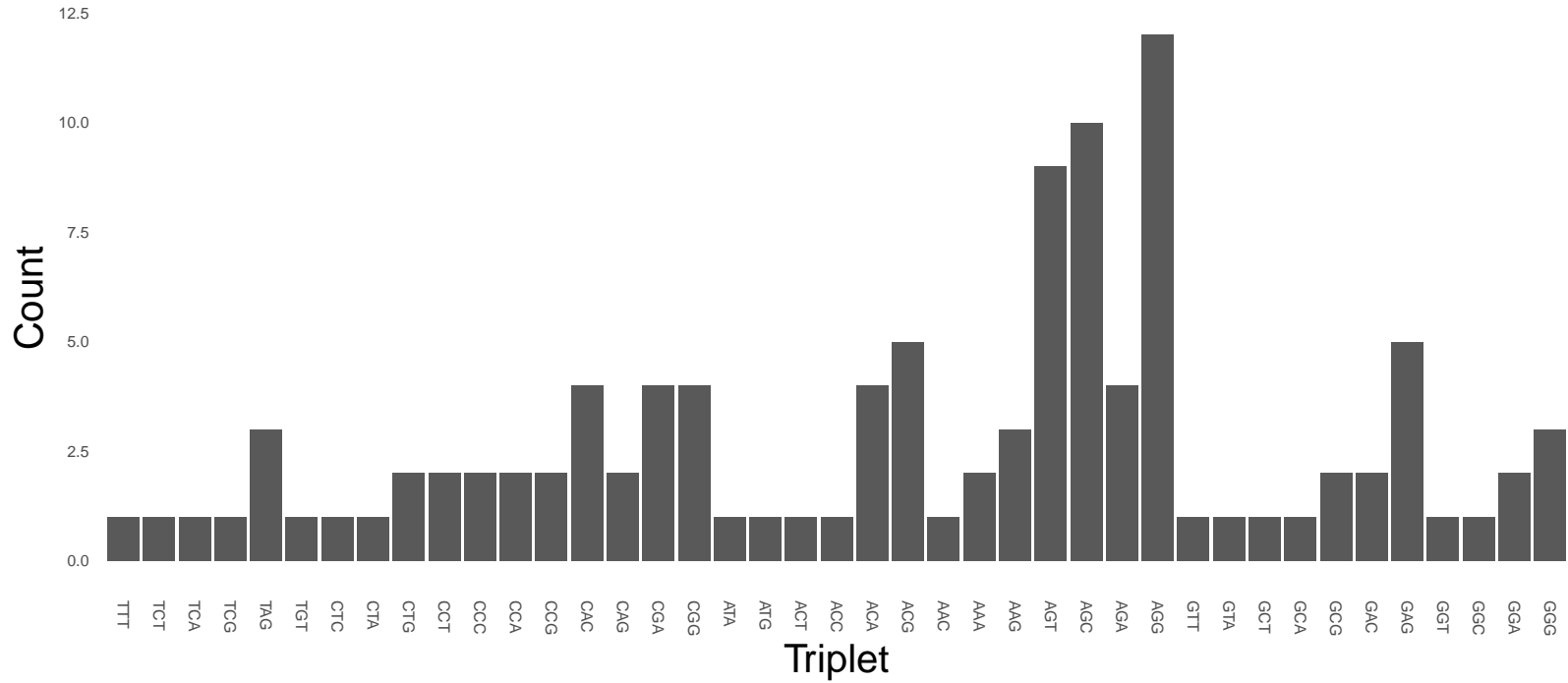
Gene TRBV7-1\*ap01\_G291C\_T296C



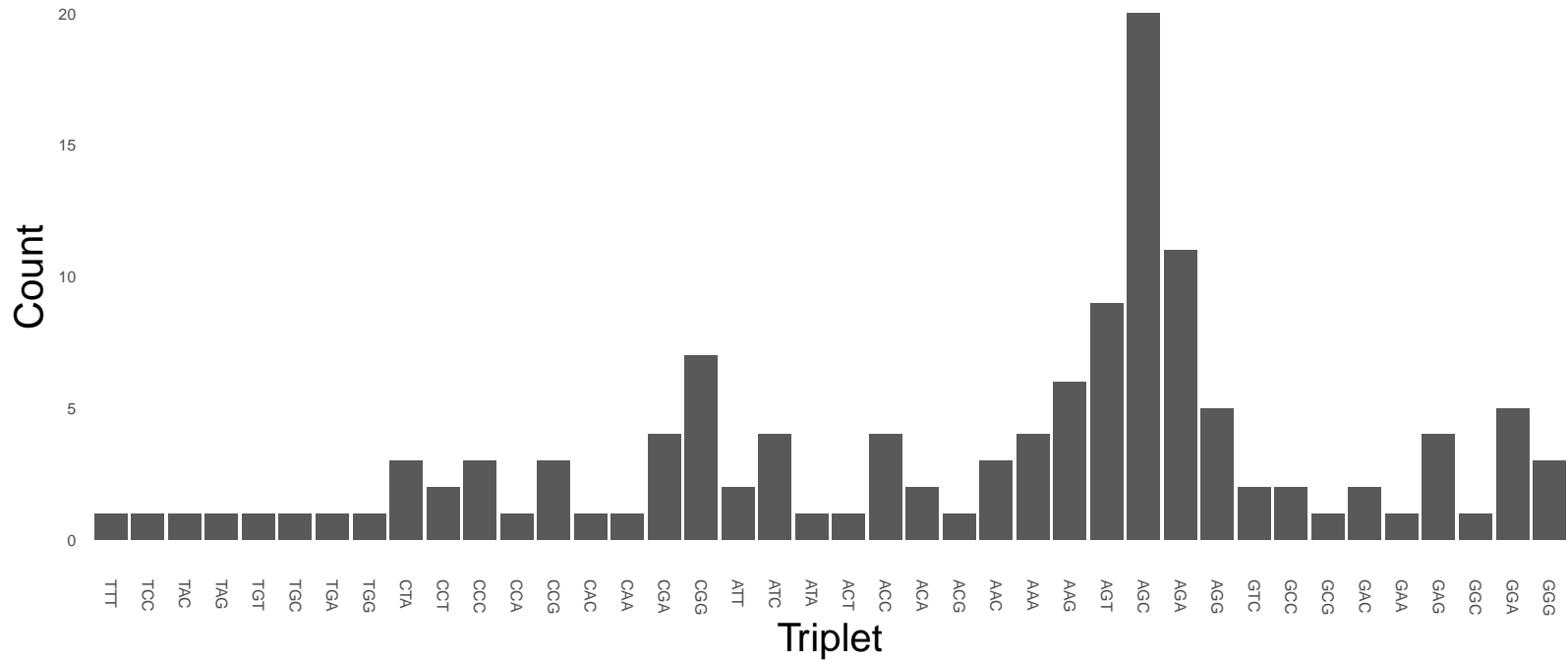
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

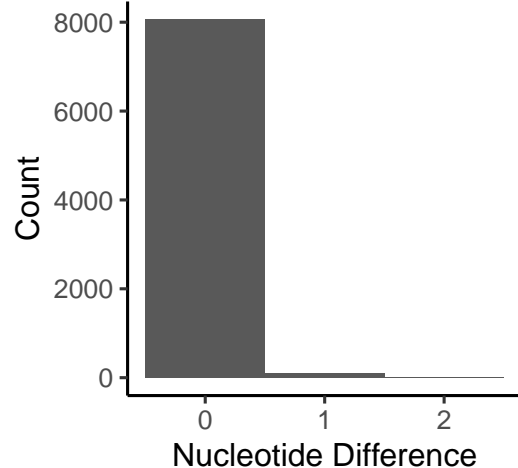


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



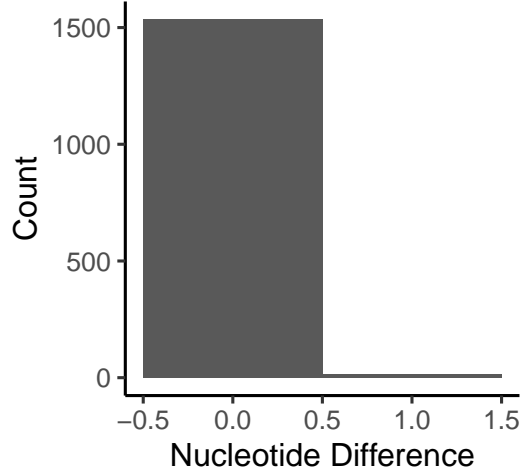
### TRBV20-1\*ap01

8160 sequences assigned  
8063 (98.8%) exact matches, in which:  
7920 unique CDR3  
13 unique J



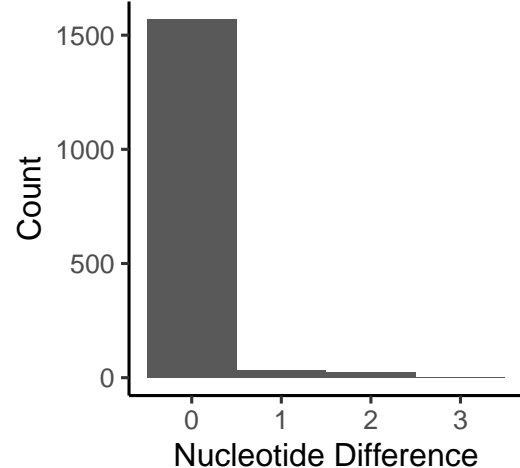
### TRBV10-2\*ap01

1549 sequences assigned  
1535 (99.1%) exact matches, in which:  
1496 unique CDR3  
13 unique J



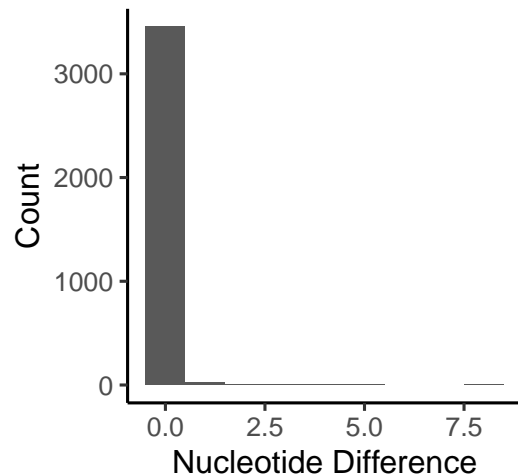
### TRBV13\*ap01

1626 sequences assigned  
1569 (96.5%) exact matches, in which:  
1513 unique CDR3  
13 unique J



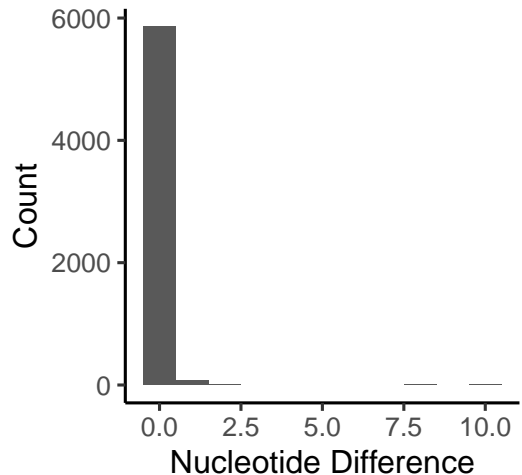
### TRBV10-1\*ap01

3490 sequences assigned  
3454 (99%) exact matches, in which:  
3360 unique CDR3  
13 unique J



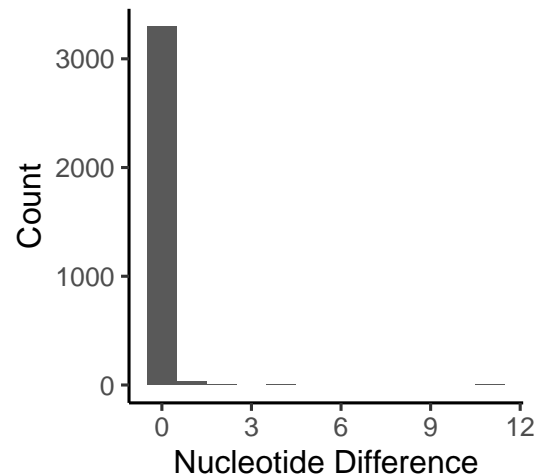
### TRBV10-3\*ap01

5934 sequences assigned  
5858 (98.7%) exact matches, in which:  
5733 unique CDR3  
13 unique J



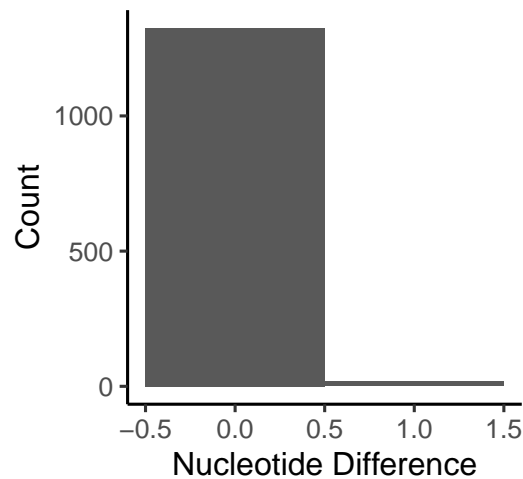
### TRBV14\*ap01

3328 sequences assigned  
3295 (99%) exact matches, in which:  
3241 unique CDR3  
13 unique J



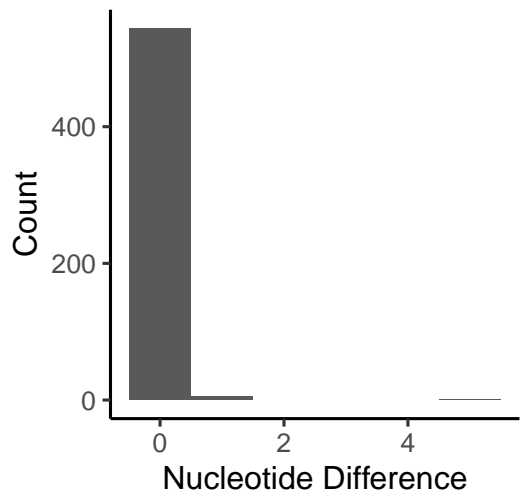
### TRBV20-1\*ap02

1343 sequences assigned  
1325 (98.7%) exact matches, in which:  
1309 unique CDR3  
13 unique J



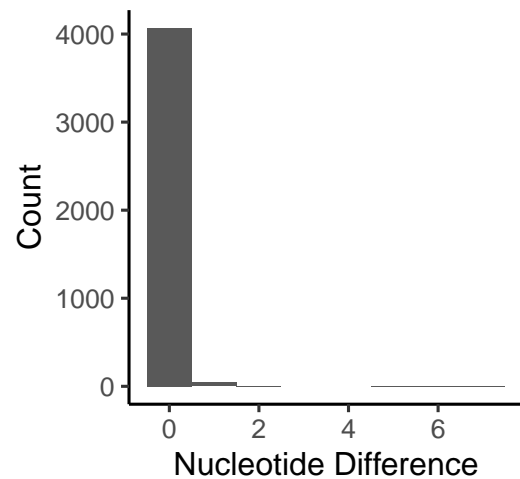
### TRBV1\*ap01

550 sequences assigned  
544 (98.9%) exact matches, in which:  
528 unique CDR3  
13 unique J



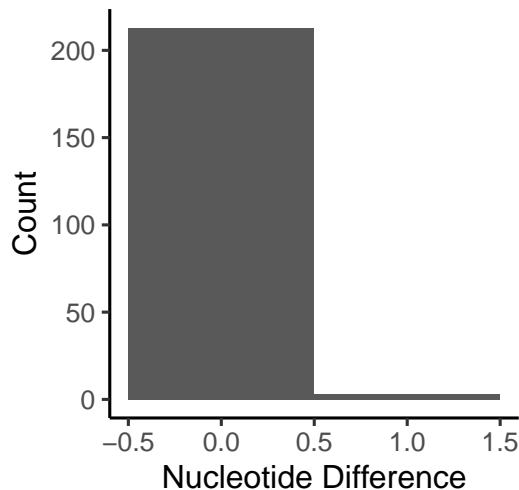
### TRBV15\*ap02

4120 sequences assigned  
4068 (98.7%) exact matches, in which:  
3954 unique CDR3  
13 unique J



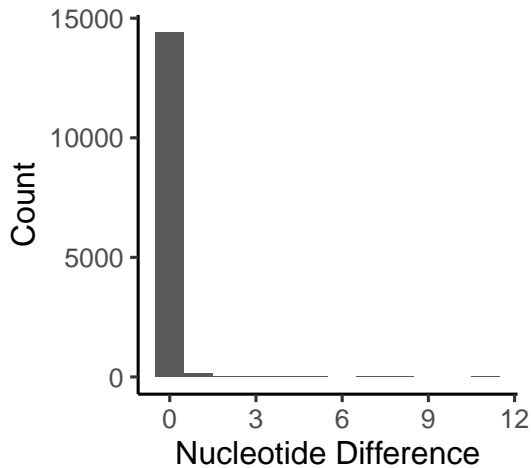
### TRBV16\*ap01

216 sequences assigned  
213 (98.6%) exact matches, in which:  
211 unique CDR3  
13 unique J



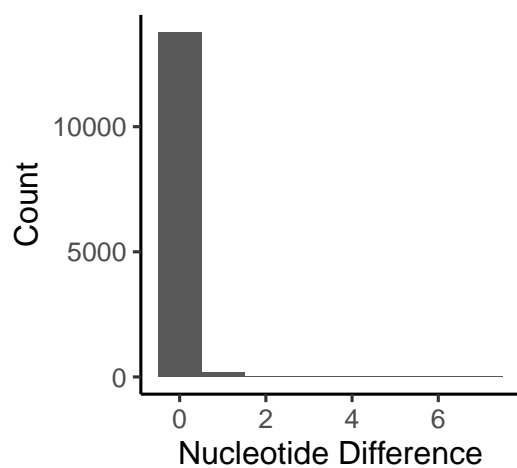
### TRBV19\*ap01

14557 sequences assigned  
14417 (99%) exact matches, in which:  
14220 unique CDR3  
13 unique J



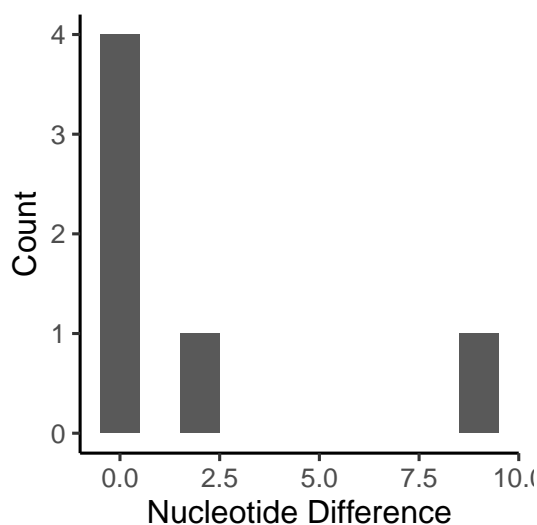
### TRBV27\*ap01

13990 sequences assigned  
13779 (98.5%) exact matches, in which:  
13406 unique CDR3  
13 unique J



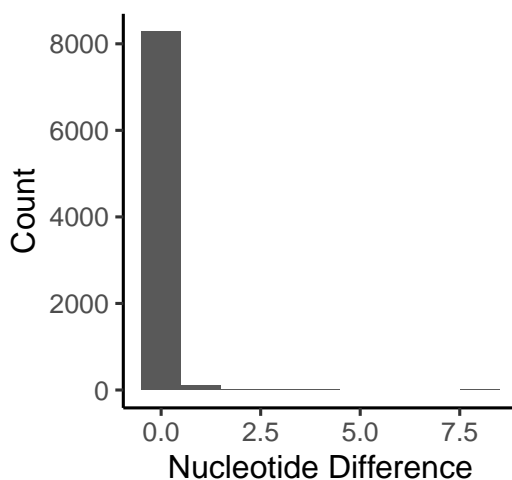
### TRBV17\*ap01

6 sequences assigned  
4 (66.7%) exact matches, in which:  
4 unique CDR3  
4 unique J



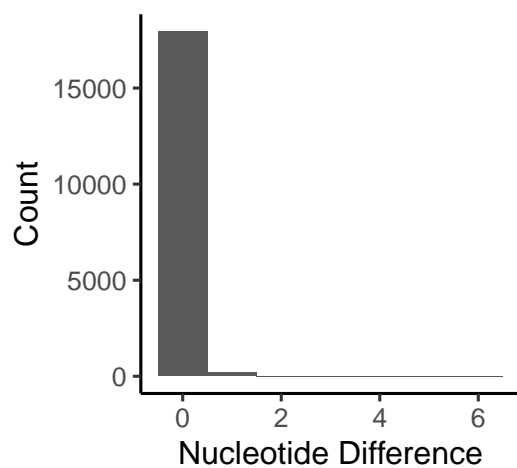
### TRBV2\*ap01

8387 sequences assigned  
8279 (98.7%) exact matches, in which:  
8099 unique CDR3  
13 unique J



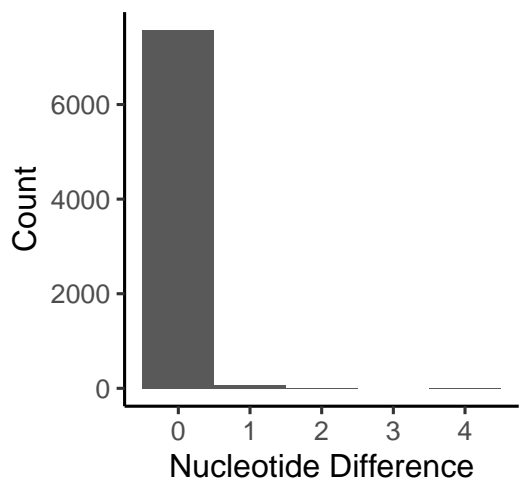
### TRBV28\*ap01

18152 sequences assigned  
17946 (98.9%) exact matches, in which:  
17579 unique CDR3  
13 unique J



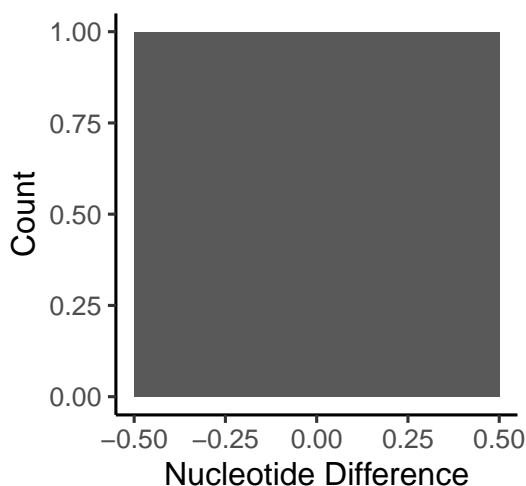
### TRBV18\*ap01

7642 sequences assigned  
7575 (99.1%) exact matches, in which:  
7471 unique CDR3  
13 unique J



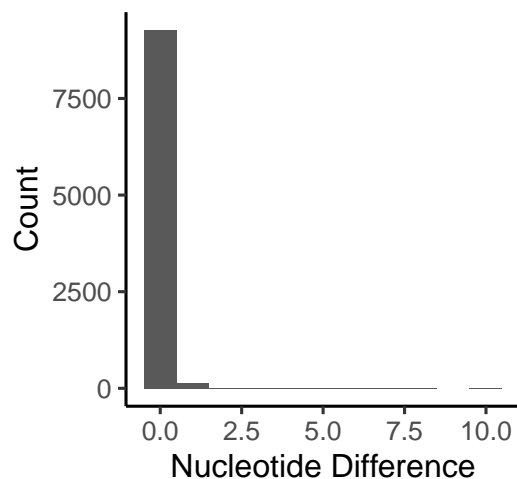
### TRBV26\*ap01

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



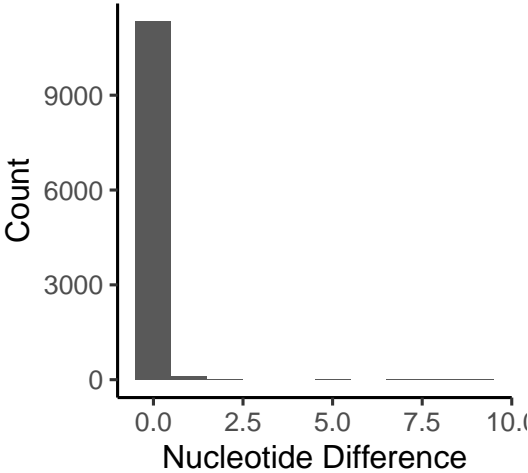
### TRBV30\*ap01

9419 sequences assigned  
9270 (98.4%) exact matches, in which:  
9136 unique CDR3  
13 unique J



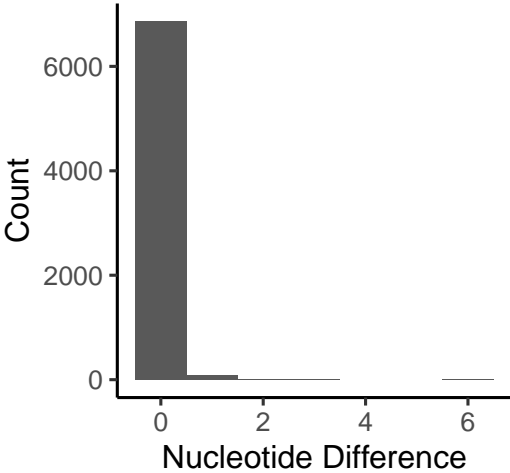
TRBV9\*ap01

11465 sequences assigned  
11334 (98.9%) exact matches, in which:  
11133 unique CDR3  
13 unique J



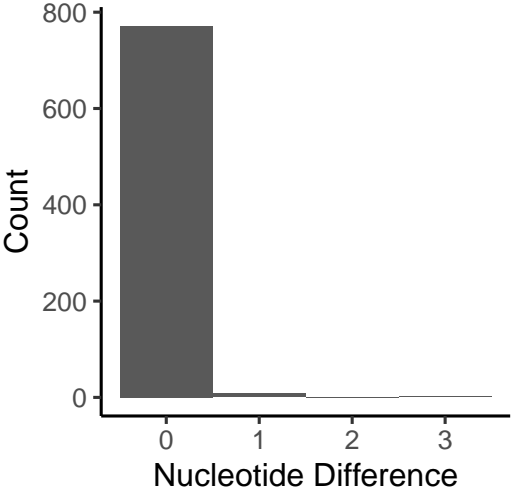
TRBV11-2\*ap01

6946 sequences assigned  
6861 (98.8%) exact matches, in which:  
6734 unique CDR3  
13 unique J



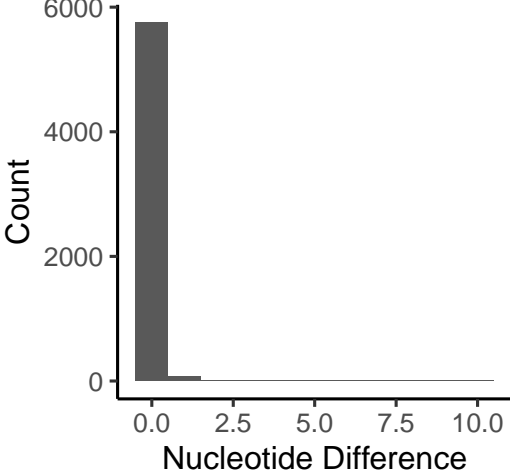
TRBV12-2\*ap01

783 sequences assigned  
772 (98.6%) exact matches, in which:  
749 unique CDR3  
13 unique J



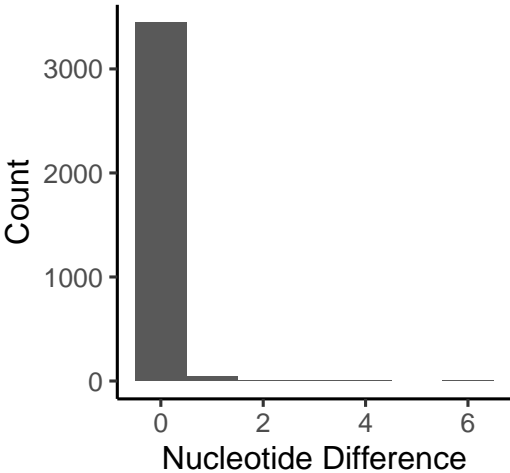
TRBV21-1\*ap01

5842 sequences assigned  
5750 (98.4%) exact matches, in which:  
5623 unique CDR3  
13 unique J



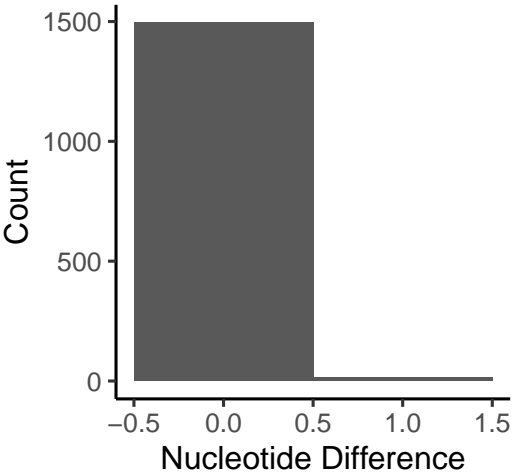
TRBV11-3\*ap01

3498 sequences assigned  
3444 (98.5%) exact matches, in which:  
3379 unique CDR3  
13 unique J



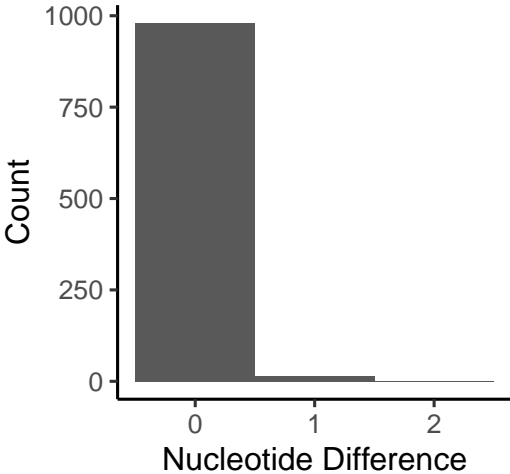
TRBV12-5\*ap01

1508 sequences assigned  
1495 (99.1%) exact matches, in which:  
1470 unique CDR3  
13 unique J



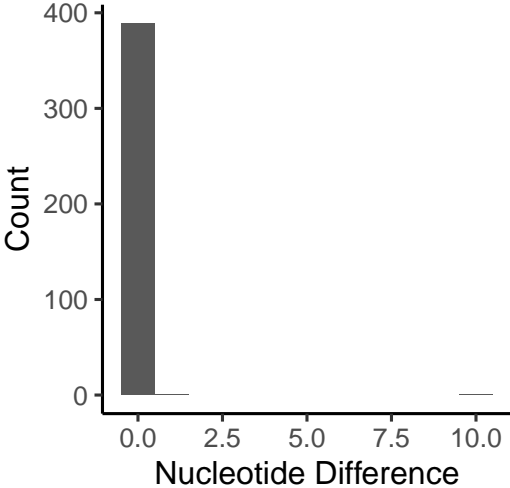
TRBV11-1\*ap01

996 sequences assigned  
980 (98.4%) exact matches, in which:  
961 unique CDR3  
13 unique J



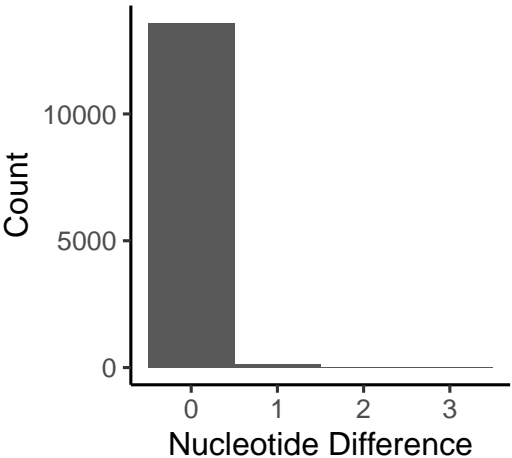
TRBV12-1\*ap01

391 sequences assigned  
389 (99.5%) exact matches, in which:  
382 unique CDR3  
13 unique J



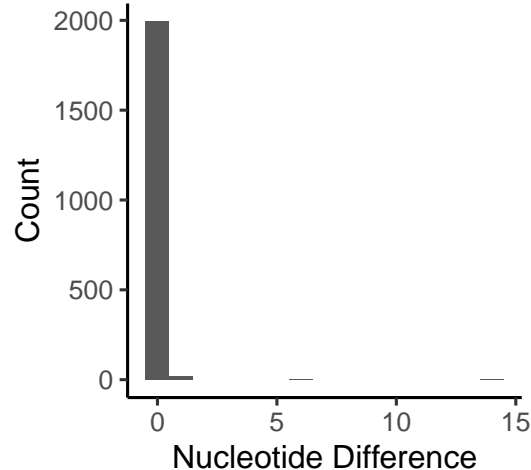
TRBV12-34\*ap01

13731 sequences assigned  
13594 (99%) exact matches, in which:  
13312 unique CDR3  
13 unique J



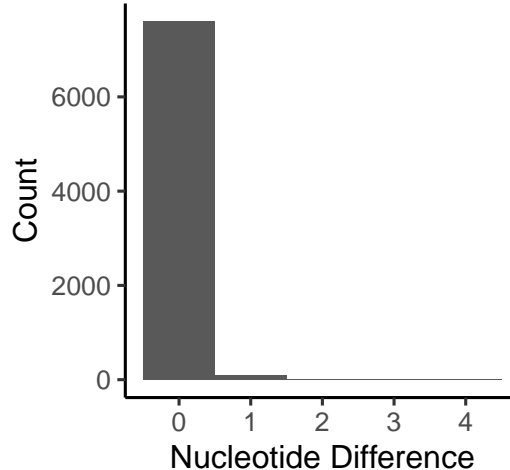
### TRBV23-1\*ap01

2018 sequences assigned  
1994 (98.8%) exact matches, in which:  
1954 unique CDR3  
13 unique J



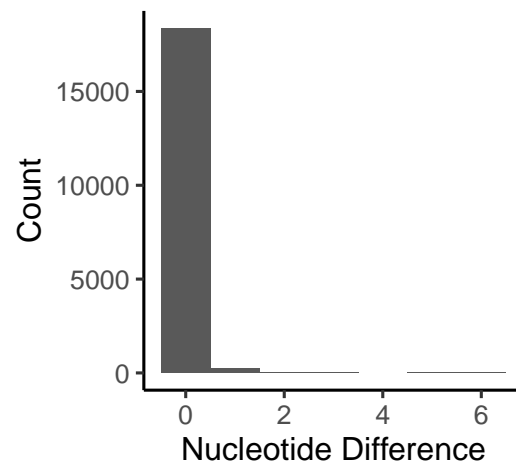
### TRBV24-1\*ap01

7706 sequences assigned  
7601 (98.6%) exact matches, in which:  
7456 unique CDR3  
13 unique J



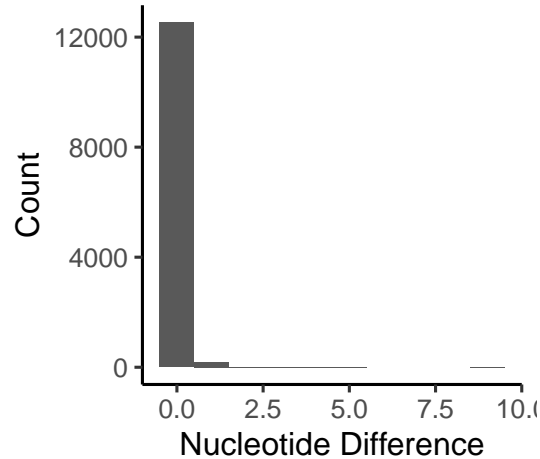
### TRBV5-1\*ap01

18592 sequences assigned  
18373 (98.8%) exact matches, in which:  
17882 unique CDR3  
13 unique J



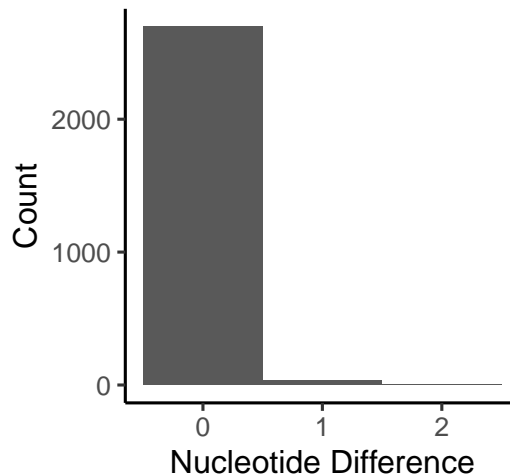
### TRBV3-12\*ap01

12726 sequences assigned  
12532 (98.5%) exact matches, in which:  
12259 unique CDR3  
13 unique J



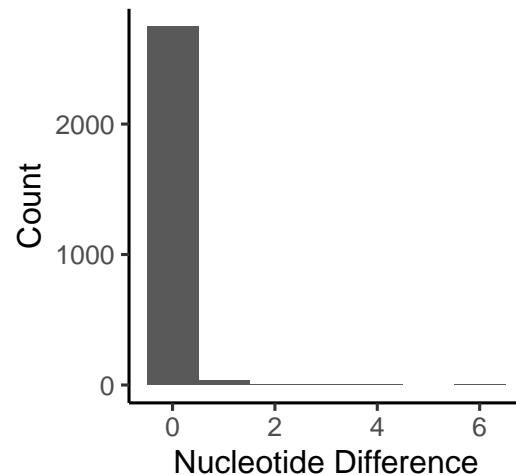
### TRBV4-2\*ap01

2732 sequences assigned  
2696 (98.7%) exact matches, in which:  
2648 unique CDR3  
13 unique J



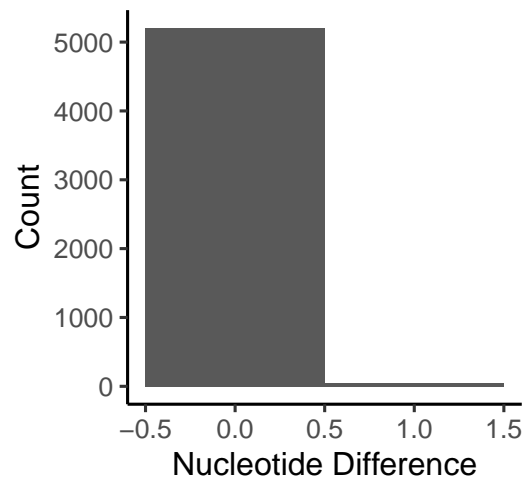
### TRBV25-1\*ap01

2788 sequences assigned  
2746 (98.5%) exact matches, in which:  
2683 unique CDR3  
13 unique J



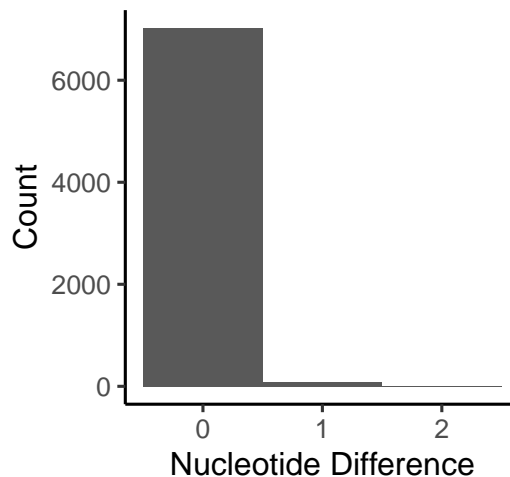
### TRBV4-1\*ap01

5248 sequences assigned  
5204 (99.2%) exact matches, in which:  
5057 unique CDR3  
13 unique J



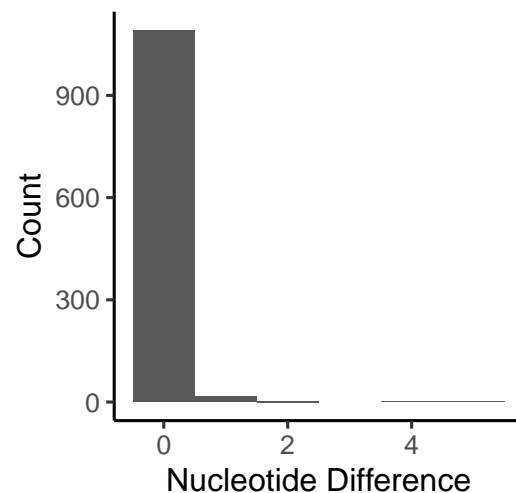
### TRBV4-3\*ap01

7117 sequences assigned  
7023 (98.7%) exact matches, in which:  
6863 unique CDR3  
13 unique J



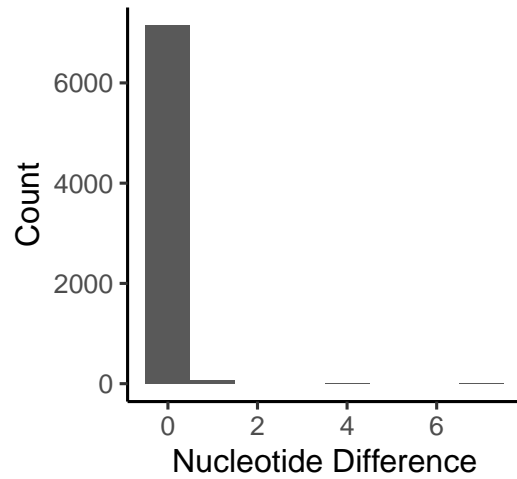
### TRBV5-3\*ap01

1112 sequences assigned  
1091 (98.1%) exact matches, in which:  
1060 unique CDR3  
13 unique J



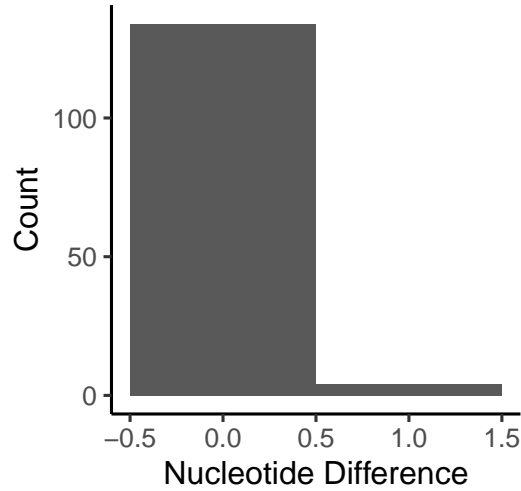
### TRBV5-4\*ap01

7222 sequences assigned  
7147 (99%) exact matches, in which:  
6975 unique CDR3  
13 unique J



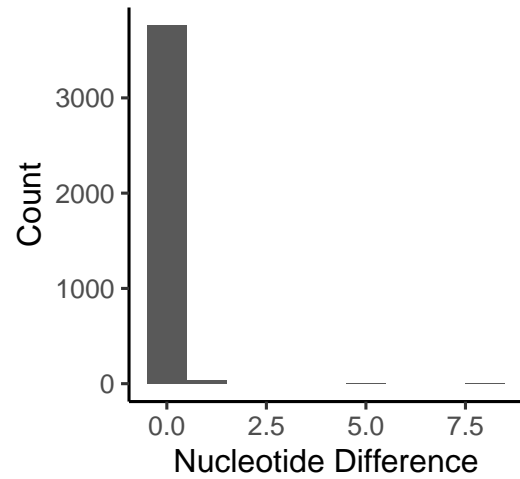
### TRBV5-7\*ap01

138 sequences assigned  
134 (97.1%) exact matches, in which:  
132 unique CDR3  
13 unique J



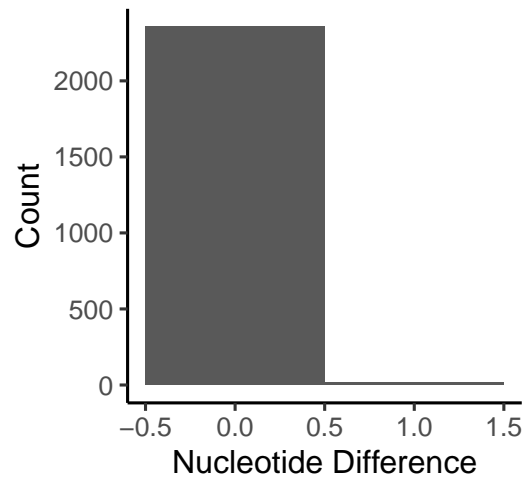
### TRBV6-4\*ap01

3798 sequences assigned  
3761 (99%) exact matches, in which:  
3684 unique CDR3  
13 unique J



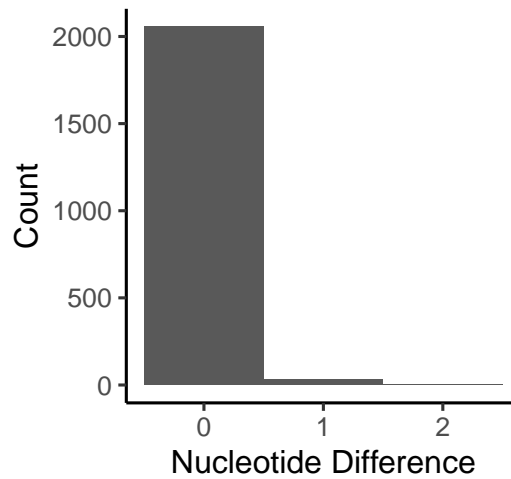
### TRBV5-5\*ap01

2370 sequences assigned  
2356 (99.4%) exact matches, in which:  
2324 unique CDR3  
13 unique J



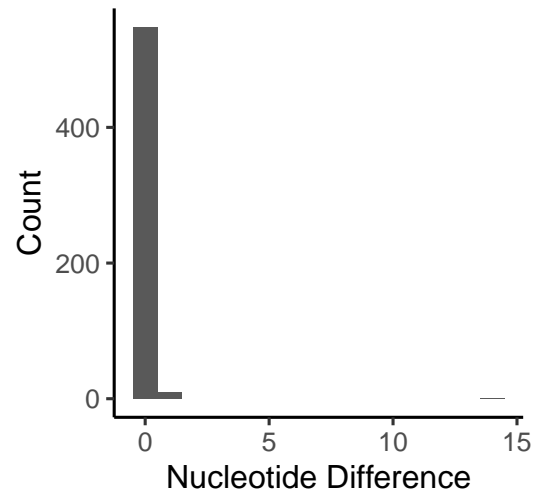
### TRBV5-8\*ap01

2093 sequences assigned  
2056 (98.2%) exact matches, in which:  
2017 unique CDR3  
13 unique J



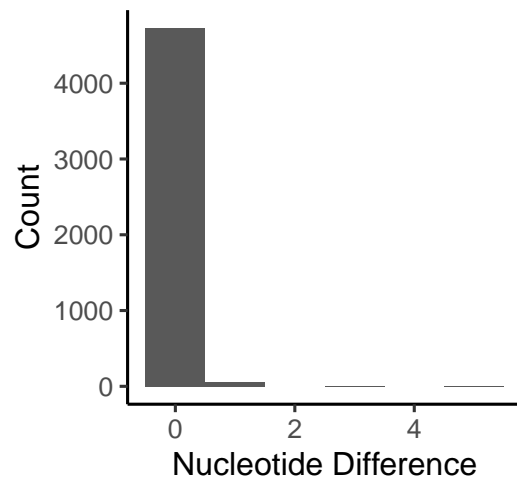
### TRBV6-7\*ap01

558 sequences assigned  
548 (98.2%) exact matches, in which:  
535 unique CDR3  
13 unique J



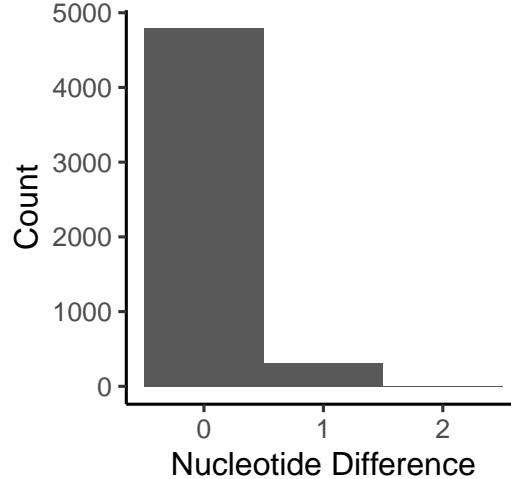
### TRBV5-6\*ap01

4784 sequences assigned  
4728 (98.8%) exact matches, in which:  
4618 unique CDR3  
13 unique J



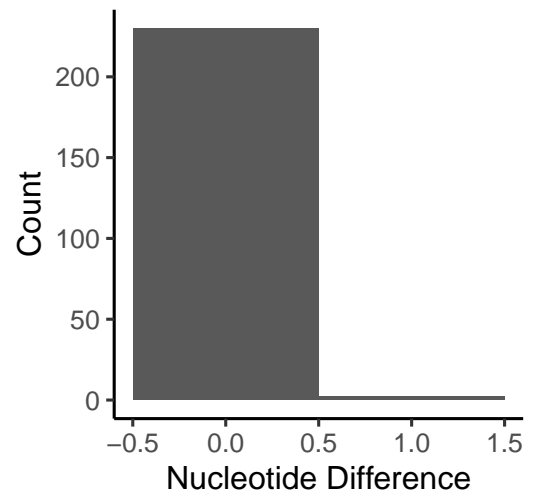
### TRBV6-1\*ap01

5107 sequences assigned  
4795 (93.9%) exact matches, in which:  
4669 unique CDR3  
13 unique J



### TRBV6-8\*ap01

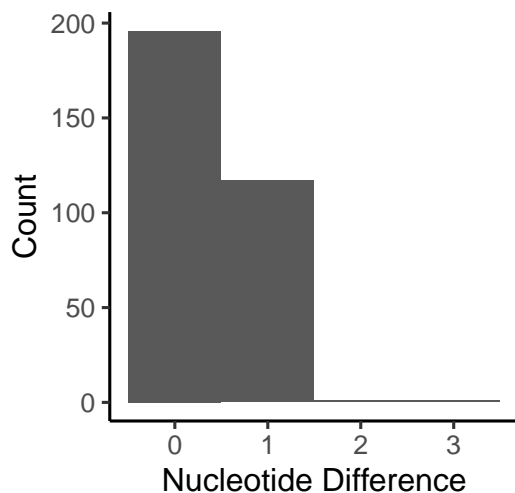
232 sequences assigned  
230 (99.1%) exact matches, in which:  
224 unique CDR3  
13 unique J





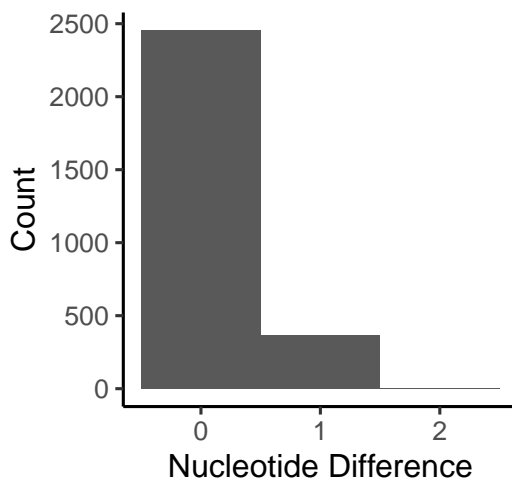
### TRBV6-9\*ap01

315 sequences assigned  
196 (62.2%) exact matches, in which:  
189 unique CDR3  
13 unique J



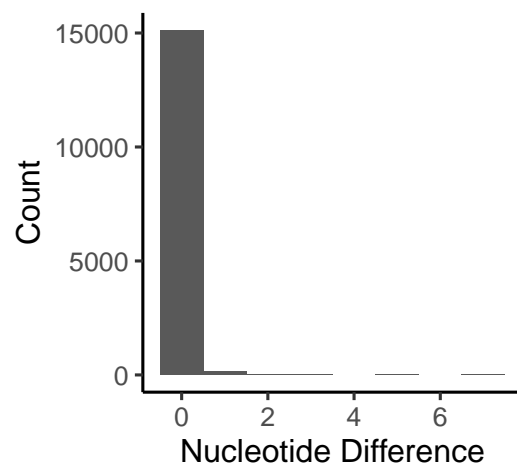
### TRBV6-56\*ap02

2822 sequences assigned  
2454 (87%) exact matches, in which:  
2391 unique CDR3  
13 unique J



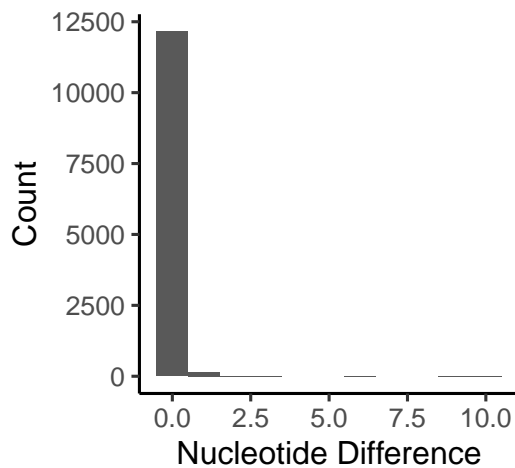
### TRBV7-2\*ap01

15278 sequences assigned  
15126 (99%) exact matches, in which:  
14842 unique CDR3  
13 unique J



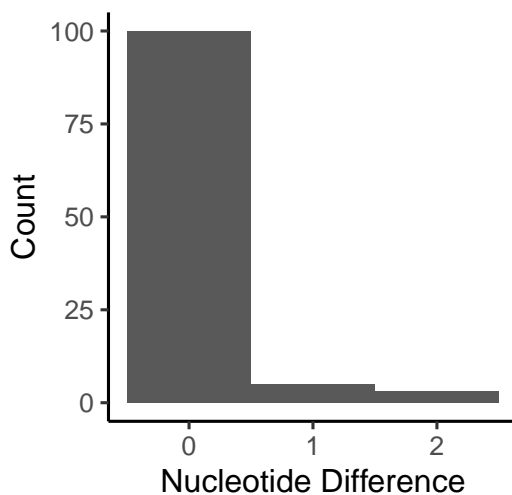
### TRBV6-23\*ap01

12321 sequences assigned  
12157 (98.7%) exact matches, in which:  
11809 unique CDR3  
13 unique J



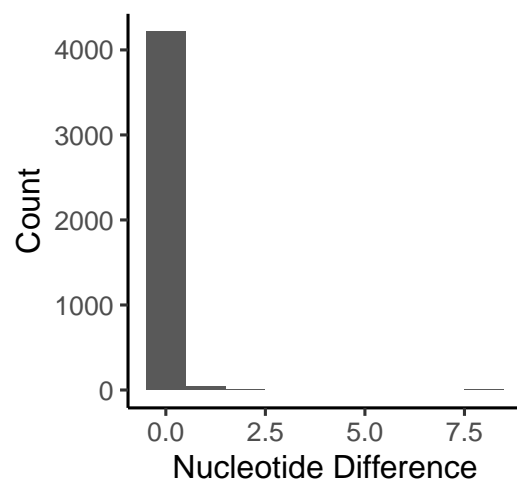
### TRBV7-1\*ap01\_G291C\_

108 sequences assigned  
100 (92.6%) exact matches, in which:  
99 unique CDR3  
13 unique J



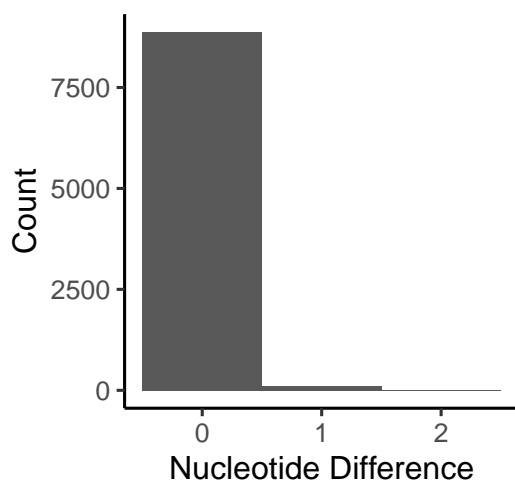
### TRBV7-3\*ap01

4262 sequences assigned  
4214 (98.9%) exact matches, in which:  
4158 unique CDR3  
13 unique J



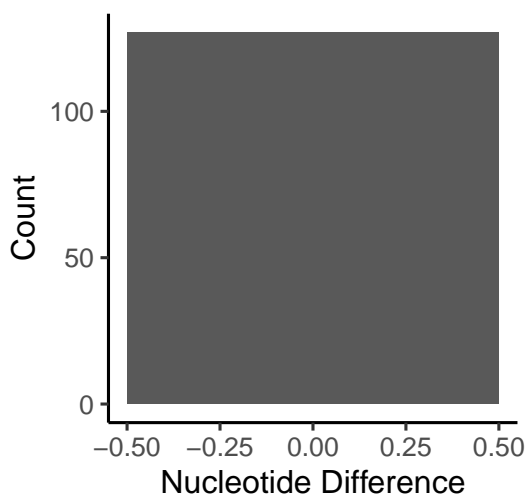
### TRBV6-56\*ap01

8988 sequences assigned  
8873 (98.7%) exact matches, in which:  
8637 unique CDR3  
13 unique J



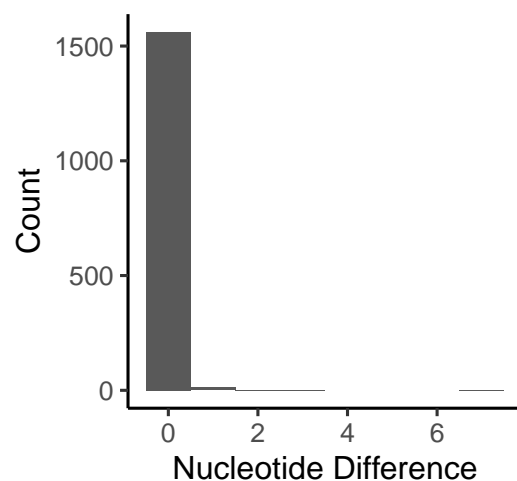
### TRBV7-1\*ap01\_G291C\_

127 sequences assigned  
127 (100%) exact matches, in which:  
122 unique CDR3  
12 unique J



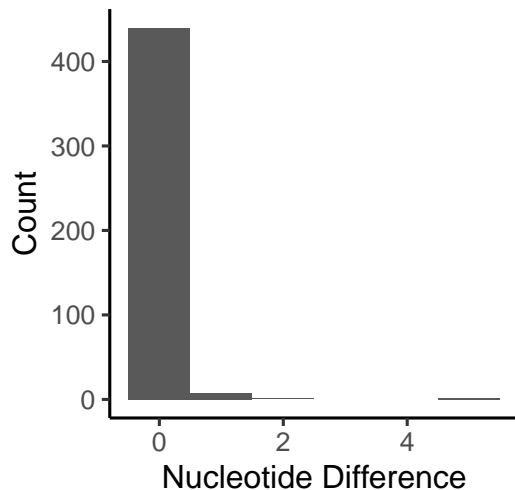
### TRBV7-3\*ap02

1579 sequences assigned  
1561 (98.9%) exact matches, in which:  
1525 unique CDR3  
13 unique J



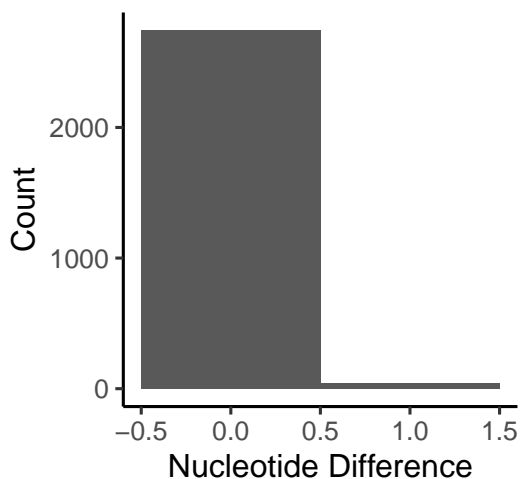
### TRBV7-4\*ap01

451 sequences assigned  
440 (97.6%) exact matches, in which:  
434 unique CDR3  
13 unique J



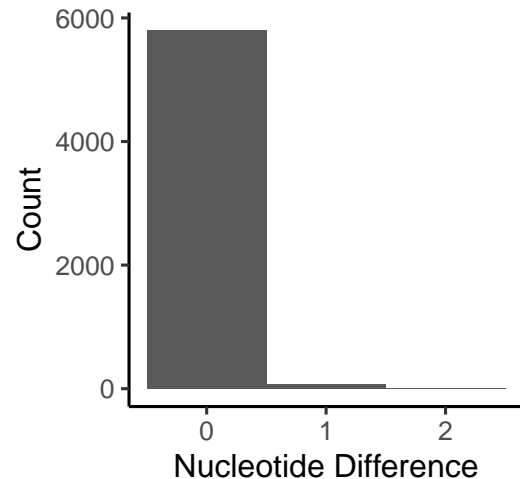
### TRBV7-8\*ap01

2784 sequences assigned  
2743 (98.5%) exact matches, in which:  
2681 unique CDR3  
13 unique J



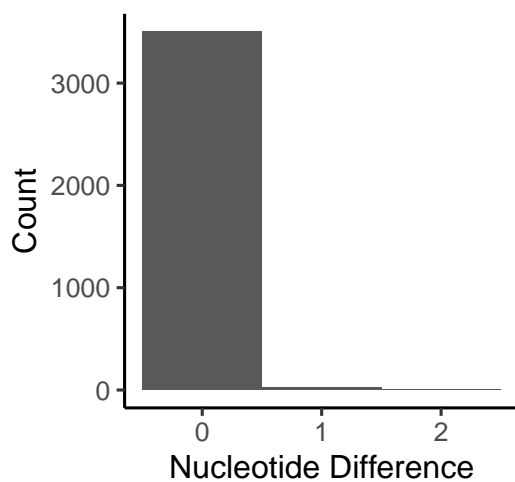
### TRBV29-1\*ap01

5878 sequences assigned  
5798 (98.6%) exact matches, in which:  
5689 unique CDR3  
13 unique J



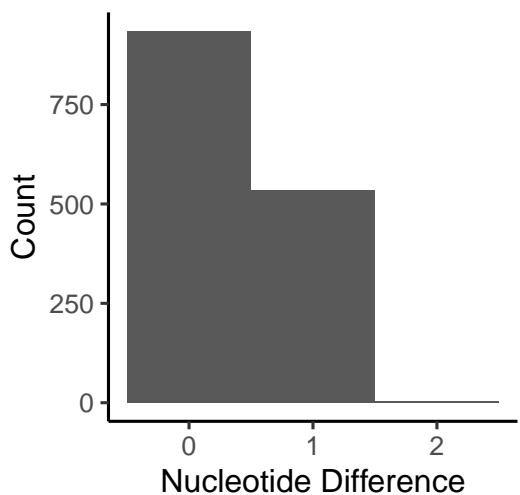
### TRBV7-6\*ap01

3529 sequences assigned  
3502 (99.2%) exact matches, in which:  
3421 unique CDR3  
13 unique J



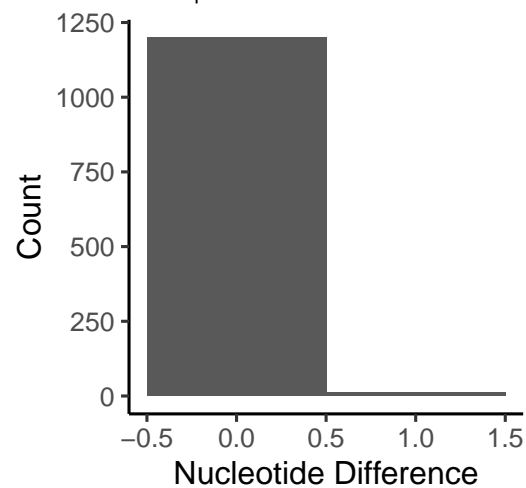
### TRBV7-8\*ap03

1474 sequences assigned  
935 (63.4%) exact matches, in which:  
907 unique CDR3  
13 unique J



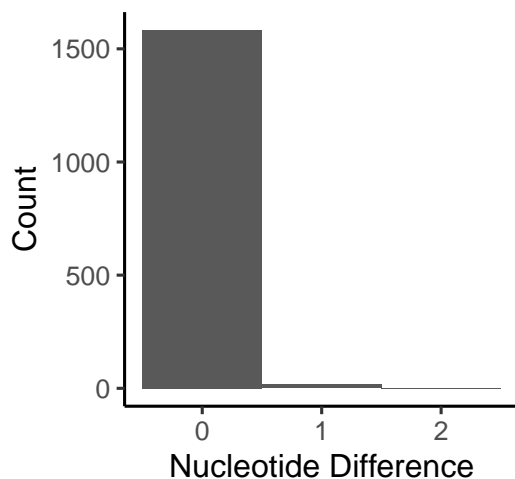
### TRBV29-1\*ap02

1212 sequences assigned  
1199 (98.9%) exact matches, in which:  
1169 unique CDR3  
13 unique J



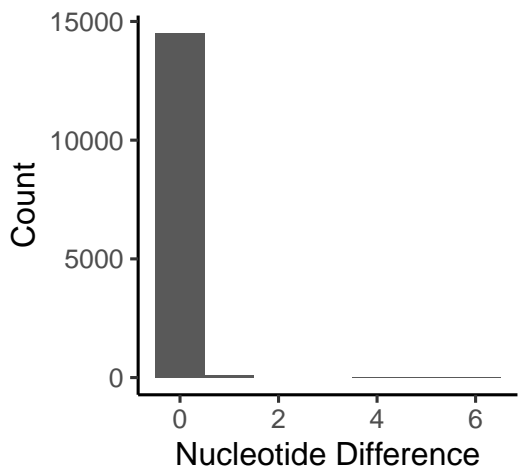
### TRBV7-7\*ap01

1602 sequences assigned  
1583 (98.8%) exact matches, in which:  
1555 unique CDR3  
13 unique J

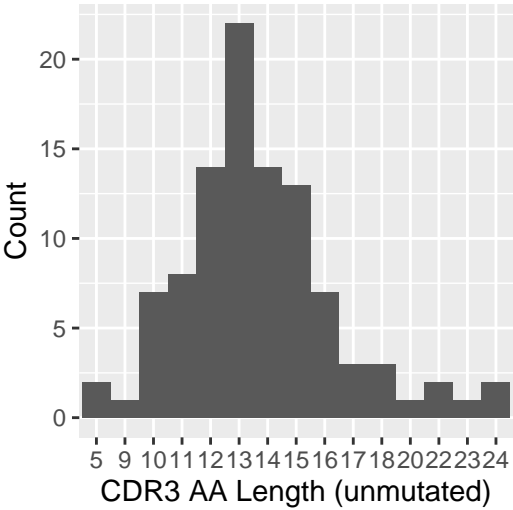


### TRBV7-9\*ap01

14652 sequences assigned  
14523 (99.1%) exact matches, in which:  
14316 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



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

