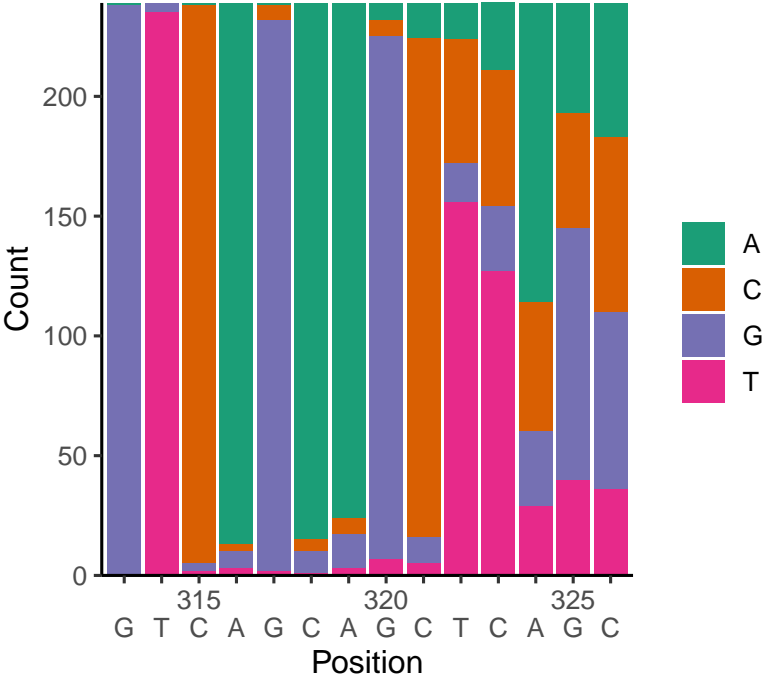
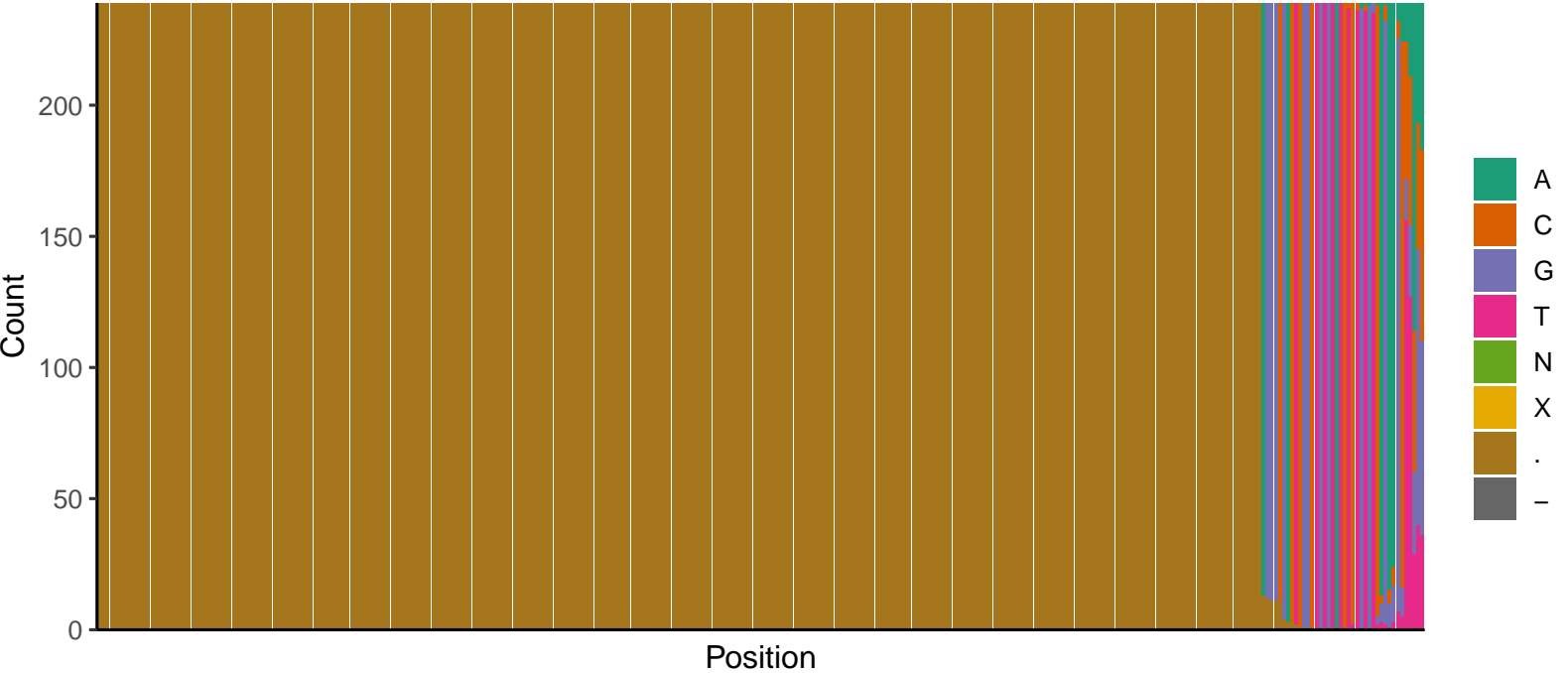


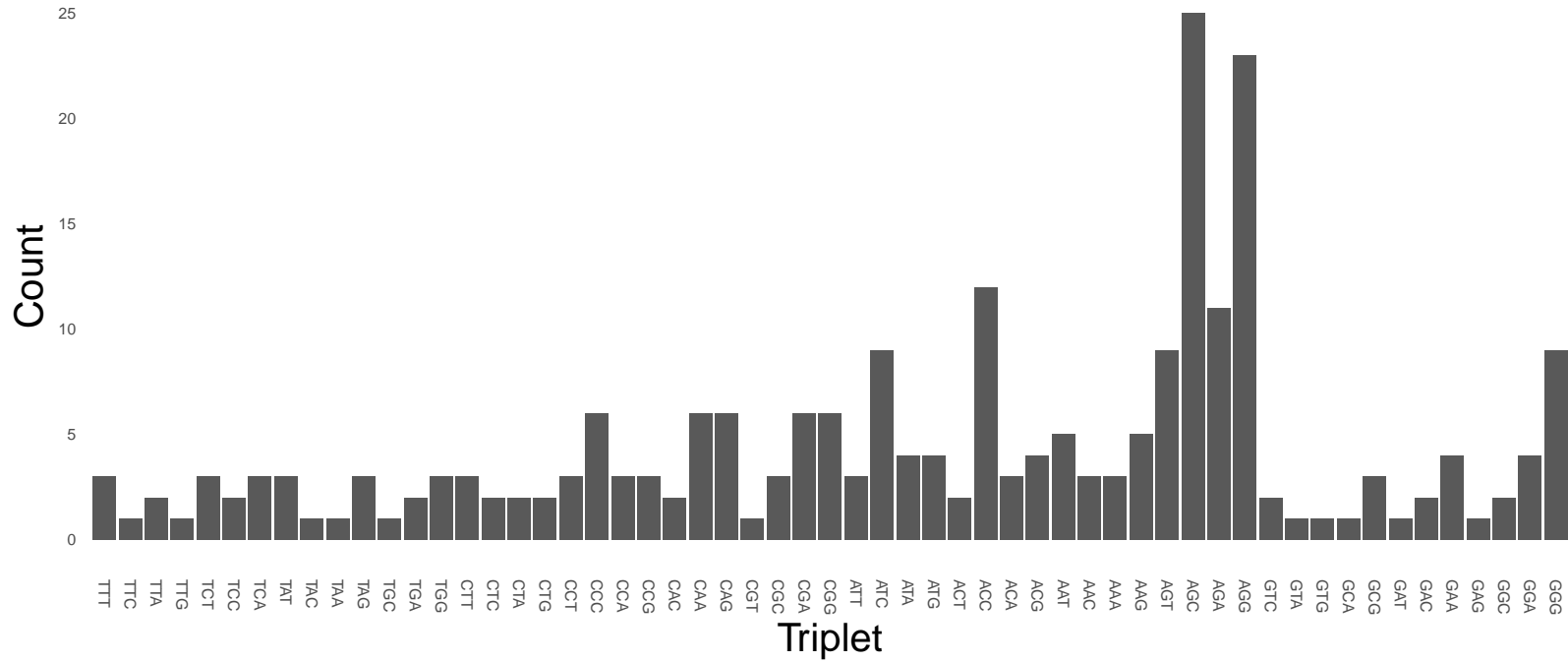
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T

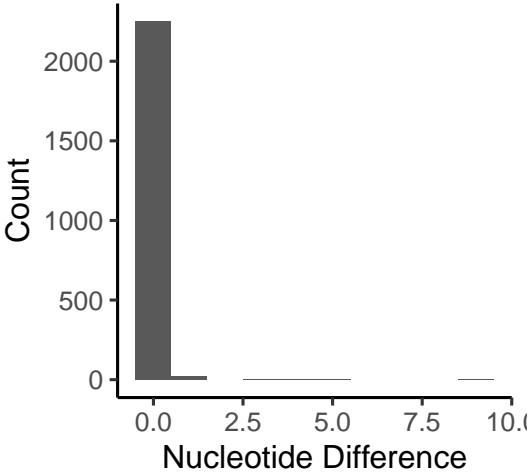


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



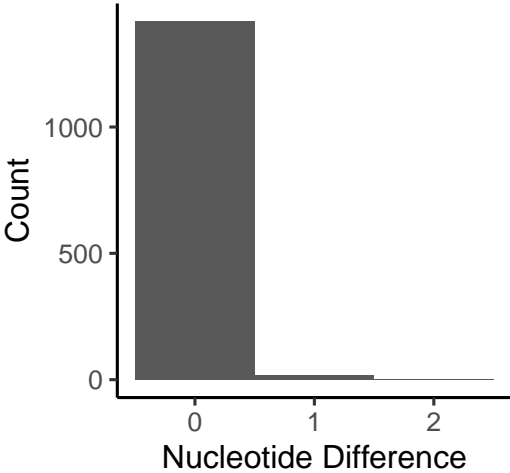
TRBV10-1\*ap01

2273 sequences assigned  
2250 (99%) exact matches, in which:  
2217 unique CDR3  
13 unique J



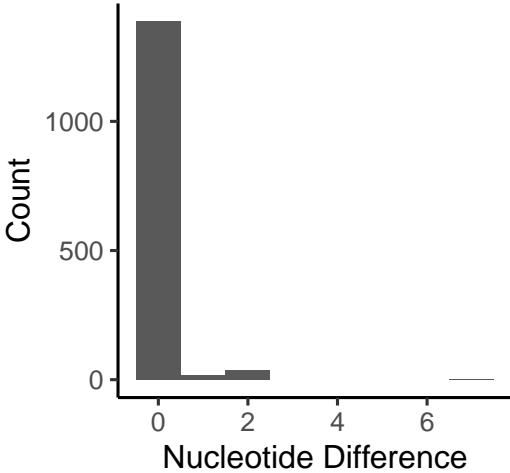
TRBV10-2\*ap01

1435 sequences assigned  
1418 (98.8%) exact matches, in which:  
1405 unique CDR3  
13 unique J



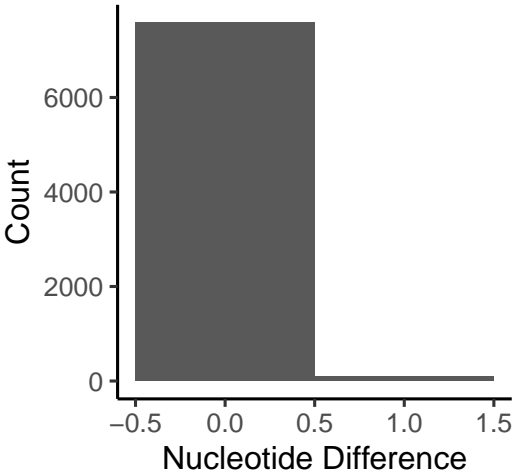
TRBV13\*ap01

1442 sequences assigned  
1387 (96.2%) exact matches, in which:  
1370 unique CDR3  
13 unique J



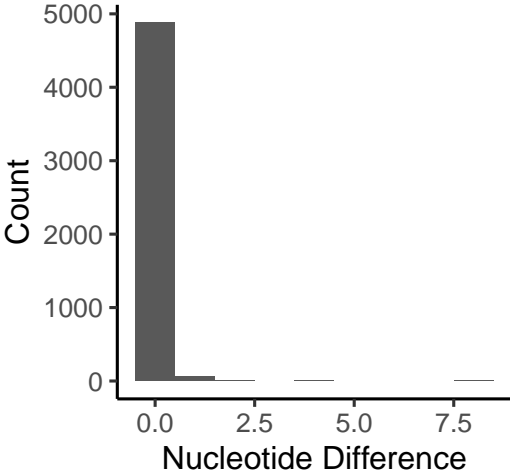
TRBV20-1\*ap01

7675 sequences assigned  
7582 (98.8%) exact matches, in which:  
7515 unique CDR3  
13 unique J



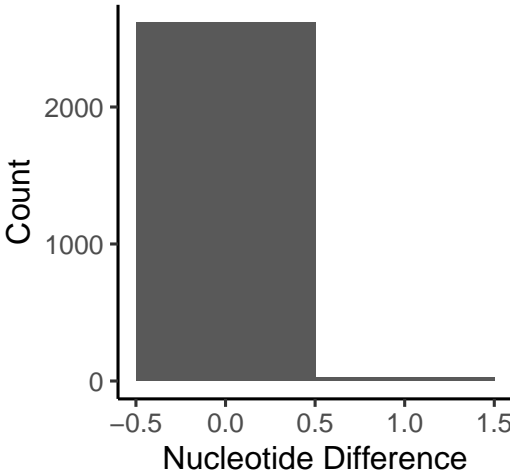
TRBV10-3\*ap01

4943 sequences assigned  
4879 (98.7%) exact matches, in which:  
4829 unique CDR3  
13 unique J



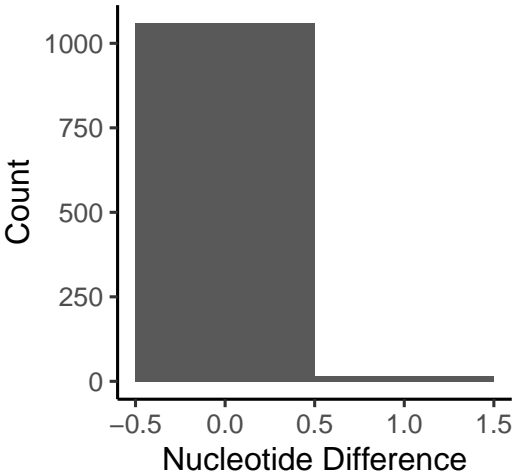
TRBV14\*ap01

2637 sequences assigned  
2615 (99.2%) exact matches, in which:  
2594 unique CDR3  
13 unique J



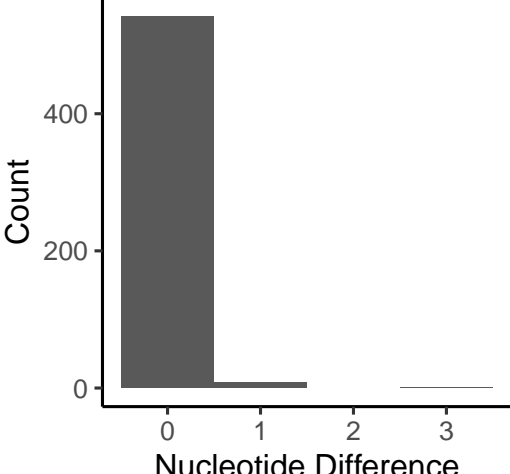
TRBV20-1\*ap02

1075 sequences assigned  
1060 (98.6%) exact matches, in which:  
1053 unique CDR3  
13 unique J



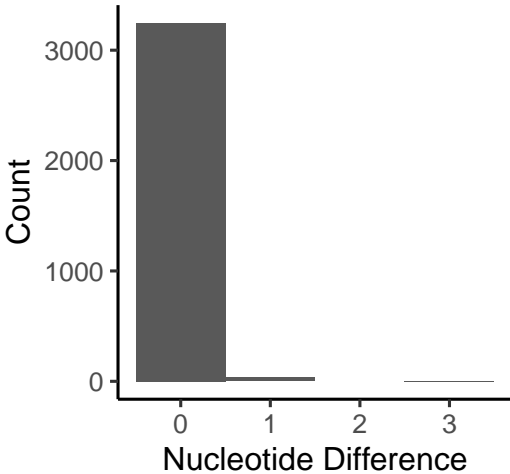
TRBV1\*ap01

551 sequences assigned  
542 (98.4%) exact matches, in which:  
538 unique CDR3  
13 unique J



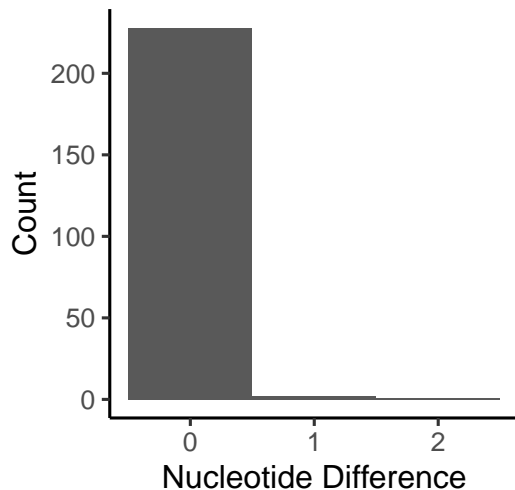
TRBV15\*ap02

3281 sequences assigned  
3246 (98.9%) exact matches, in which:  
3208 unique CDR3  
13 unique J



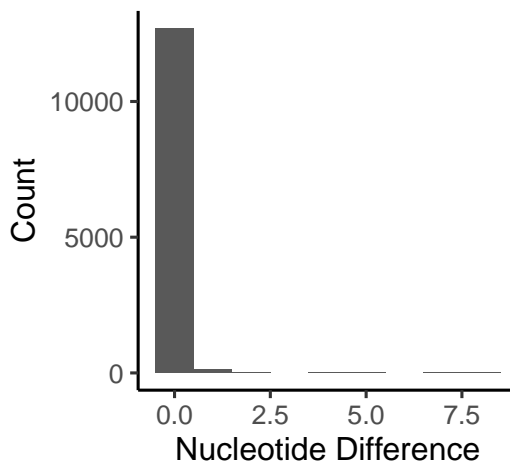
### TRBV16\*ap01

231 sequences assigned  
228 (98.7%) exact matches, in which:  
228 unique CDR3  
13 unique J



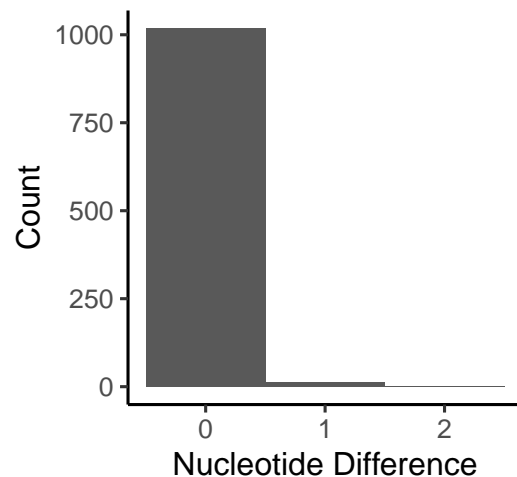
### TRBV19\*ap01

12850 sequences assigned  
12702 (98.8%) exact matches, in which:  
12639 unique CDR3  
13 unique J



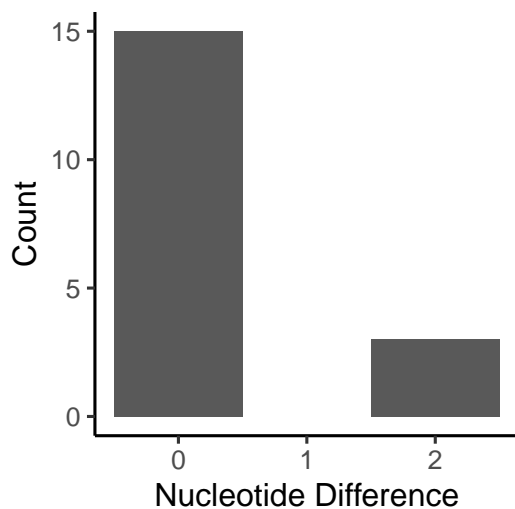
### TRBV28\*ap01

1031 sequences assigned  
1018 (98.7%) exact matches, in which:  
1010 unique CDR3  
13 unique J



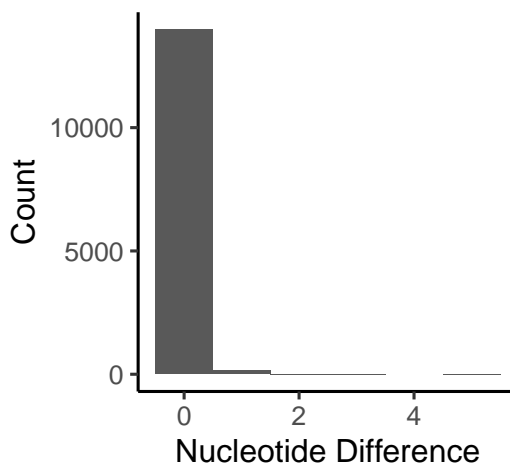
### TRBV17\*ap01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
14 unique CDR3  
7 unique J



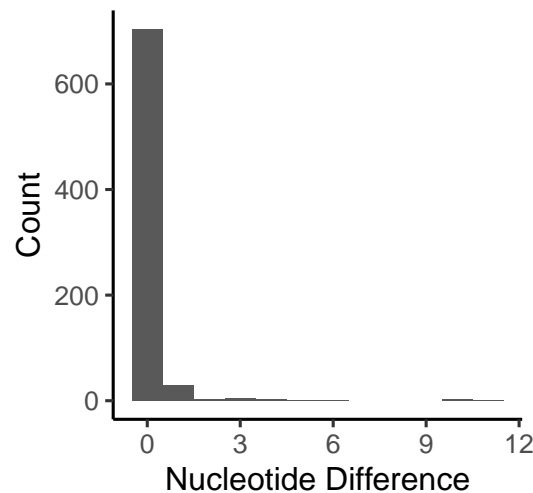
### TRBV2\*ap01

14138 sequences assigned  
13980 (98.9%) exact matches, in which:  
13791 unique CDR3  
13 unique J



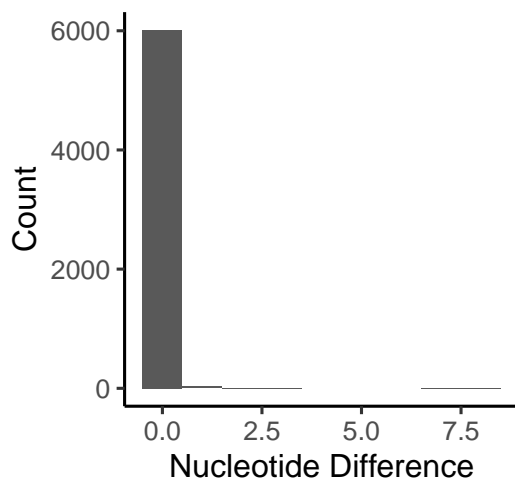
### TRBV30\*ap02

748 sequences assigned  
704 (94.1%) exact matches, in which:  
689 unique CDR3  
13 unique J



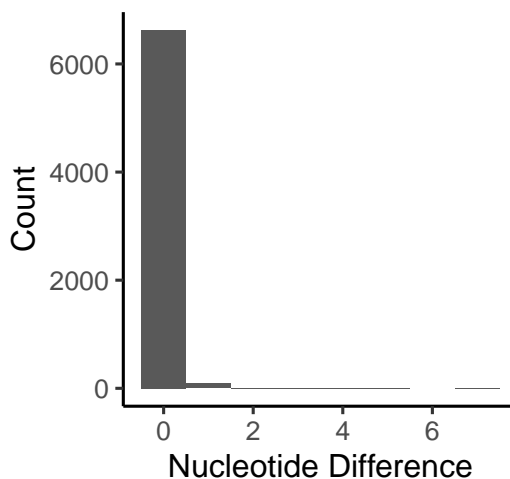
### TRBV18\*ap01

6044 sequences assigned  
6012 (99.5%) exact matches, in which:  
5984 unique CDR3  
13 unique J



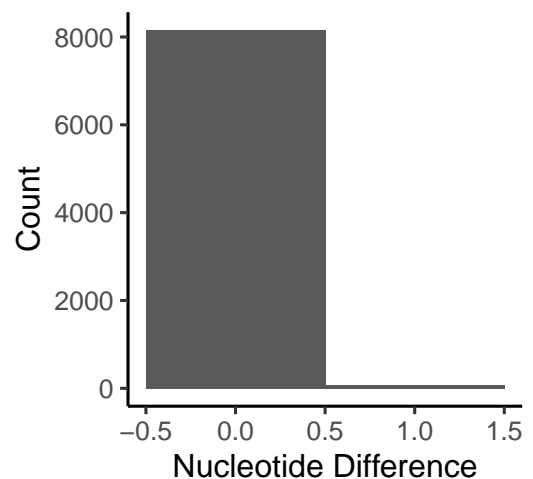
### TRBV27\*ap01

6726 sequences assigned  
6627 (98.5%) exact matches, in which:  
6564 unique CDR3  
13 unique J



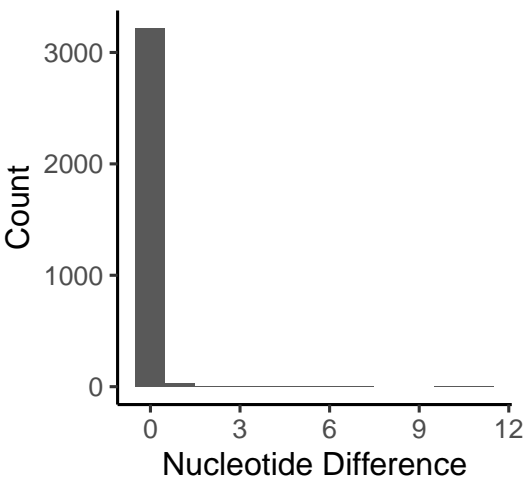
### TRBV9\*ap01

8229 sequences assigned  
8158 (99.1%) exact matches, in which:  
8088 unique CDR3  
13 unique J



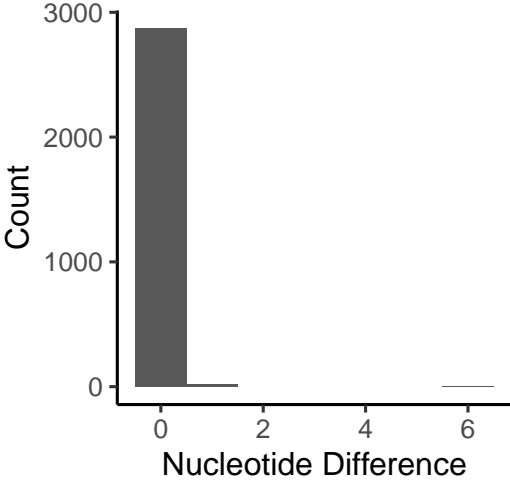
TRBV21-1\*ap01

3254 sequences assigned  
3216 (98.8%) exact matches, in which:  
3197 unique CDR3  
13 unique J



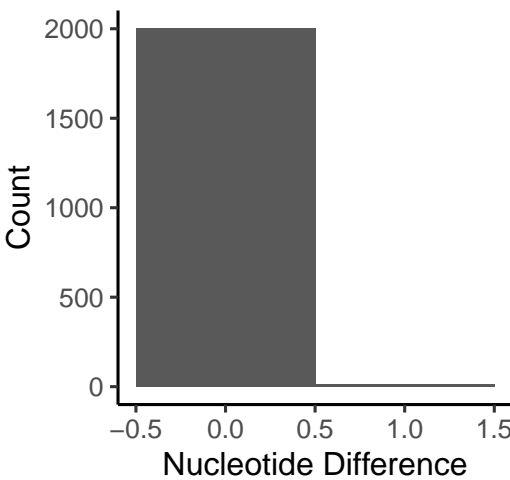
TRBV11-3\*ap01

2892 sequences assigned  
2871 (99.3%) exact matches, in which:  
2854 unique CDR3  
13 unique J



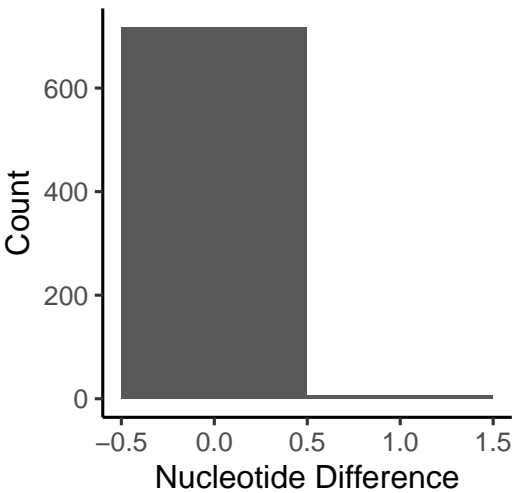
TRBV12-5\*ap01

2017 sequences assigned  
2002 (99.3%) exact matches, in which:  
1984 unique CDR3  
13 unique J



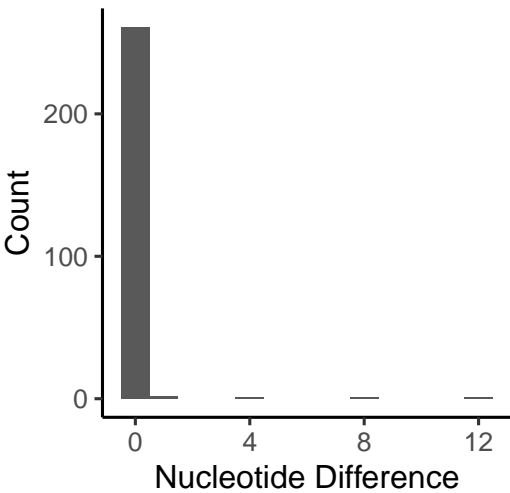
TRBV11-1\*ap01

724 sequences assigned  
718 (99.2%) exact matches, in which:  
716 unique CDR3  
13 unique J



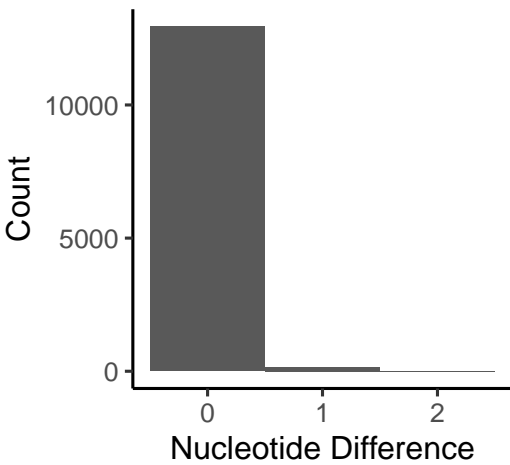
TRBV12-1\*ap01

266 sequences assigned  
261 (98.1%) exact matches, in which:  
254 unique CDR3  
12 unique J



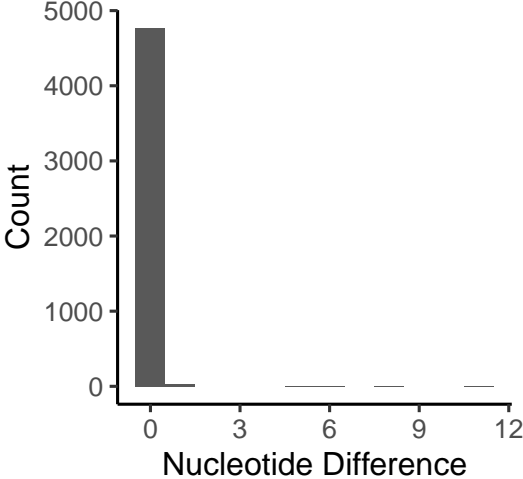
TRBV12-34\*ap01

13111 sequences assigned  
12948 (98.8%) exact matches, in which:  
12780 unique CDR3  
13 unique J



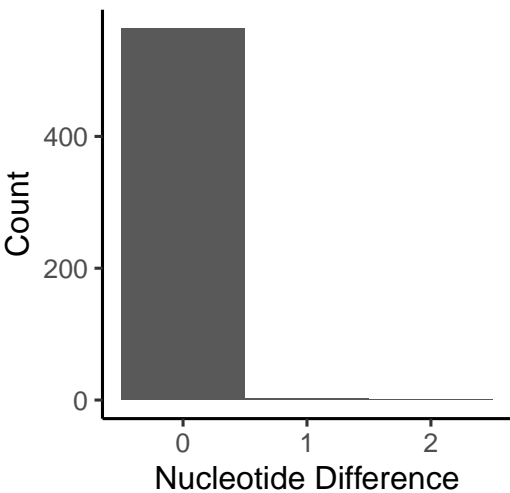
TRBV11-2\*ap01

4806 sequences assigned  
4768 (99.2%) exact matches, in which:  
4726 unique CDR3  
13 unique J



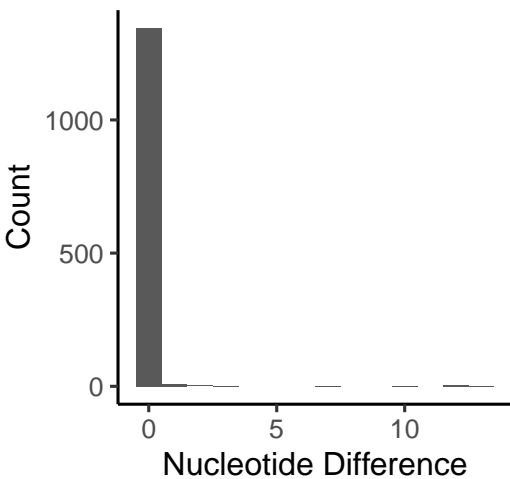
TRBV12-2\*ap01

567 sequences assigned  
564 (99.5%) exact matches, in which:  
563 unique CDR3  
13 unique J



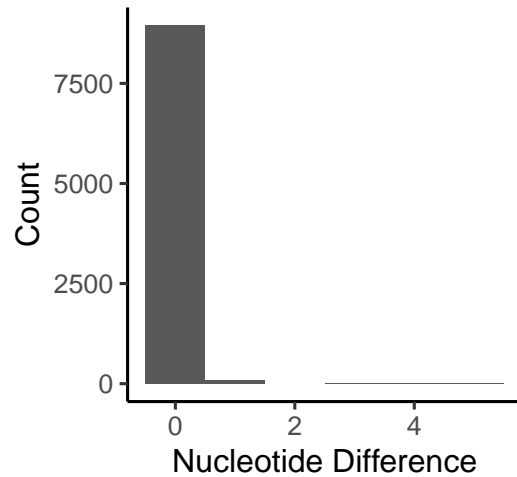
TRBV23-1\*ap01

1364 sequences assigned  
1345 (98.6%) exact matches, in which:  
1327 unique CDR3  
13 unique J



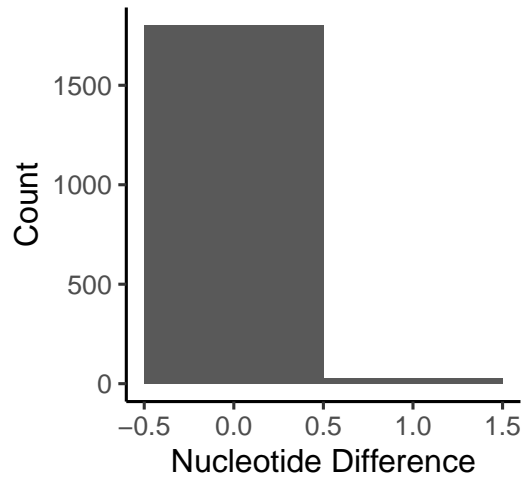
### TRBV3-12\*ap01

9027 sequences assigned  
8948 (99.1%) exact matches, in which:  
8889 unique CDR3  
13 unique J



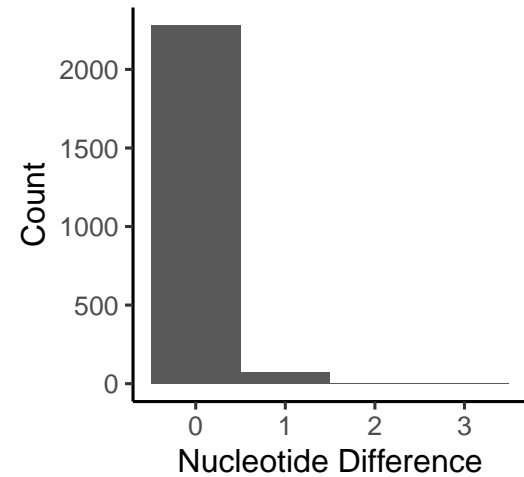
### TRBV4-2\*ap01

1830 sequences assigned  
1801 (98.4%) exact matches, in which:  
1776 unique CDR3  
13 unique J



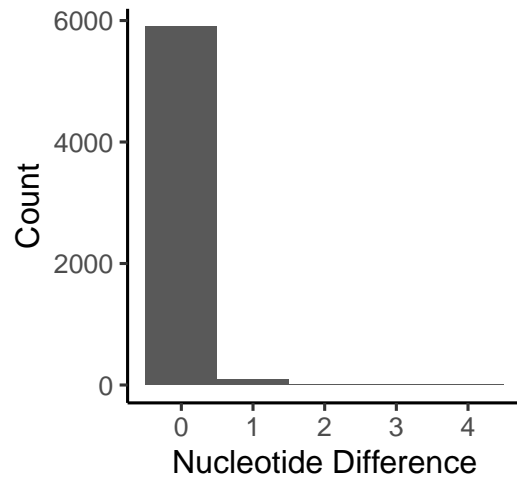
### TRBV25-1\*ap01

2355 sequences assigned  
2280 (96.8%) exact matches, in which:  
2236 unique CDR3  
13 unique J



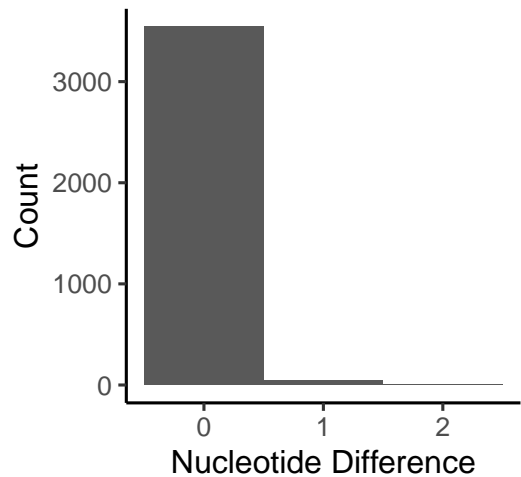
### TRBV24-1\*ap01

6003 sequences assigned  
5898 (98.3%) exact matches, in which:  
5825 unique CDR3  
13 unique J



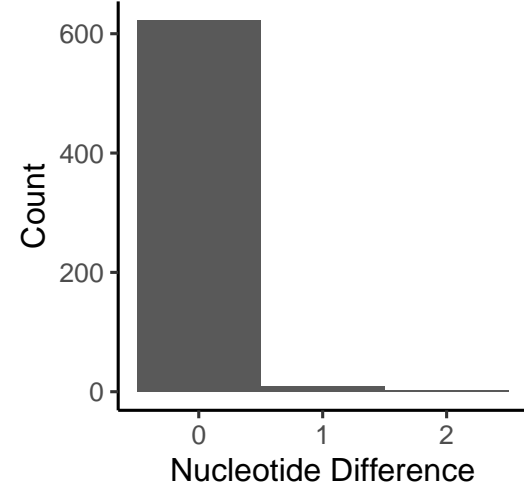
### TRBV4-3\*ap01

3591 sequences assigned  
3543 (98.7%) exact matches, in which:  
3512 unique CDR3  
13 unique J



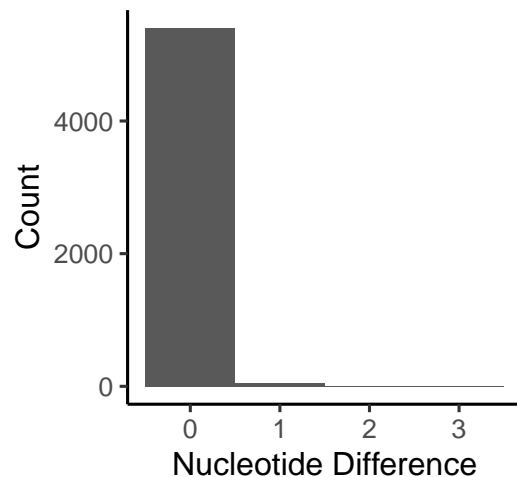
### TRBV5-3\*ap01

635 sequences assigned  
623 (98.1%) exact matches, in which:  
613 unique CDR3  
13 unique J



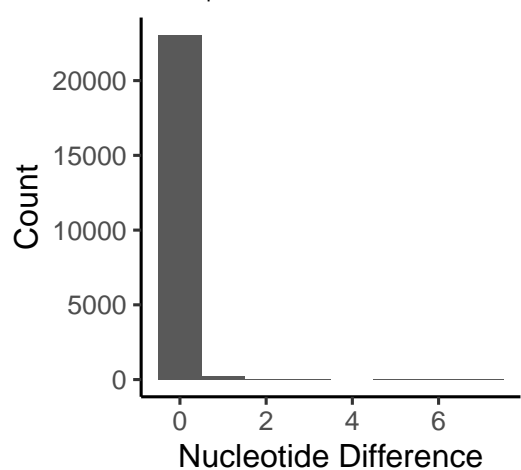
### TRBV4-1\*ap01

5454 sequences assigned  
5401 (99%) exact matches, in which:  
5314 unique CDR3  
13 unique J



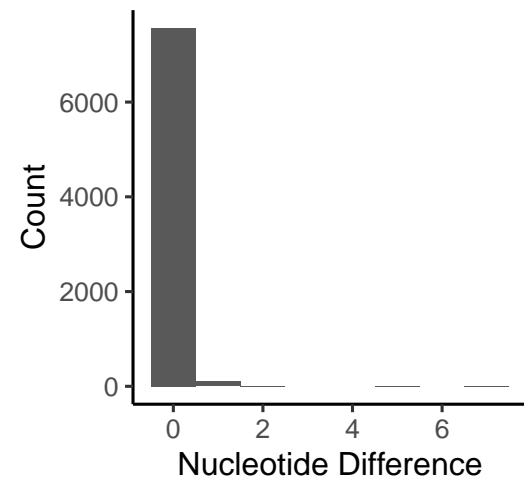
### TRBV5-1\*ap01

23341 sequences assigned  
23066 (98.8%) exact matches, in which:  
22761 unique CDR3  
13 unique J



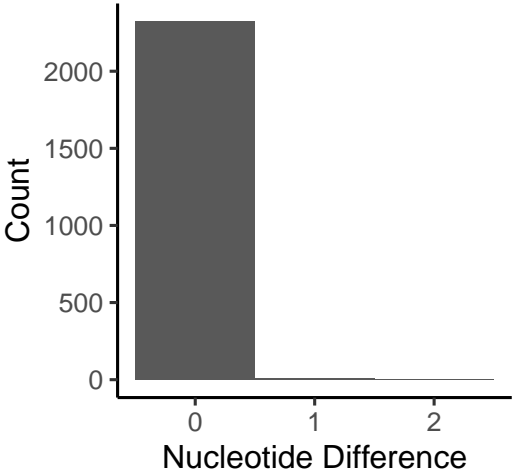
### TRBV5-4\*ap01

7668 sequences assigned  
7563 (98.6%) exact matches, in which:  
7477 unique CDR3  
13 unique J



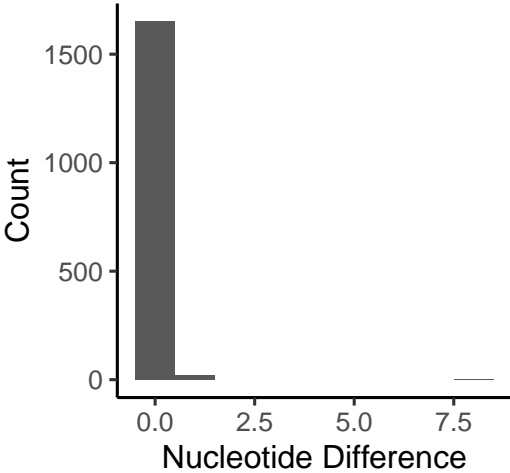
TRBV5-5\*ap01

2337 sequences assigned  
2323 (99.4%) exact matches, in which:  
2308 unique CDR3  
13 unique J



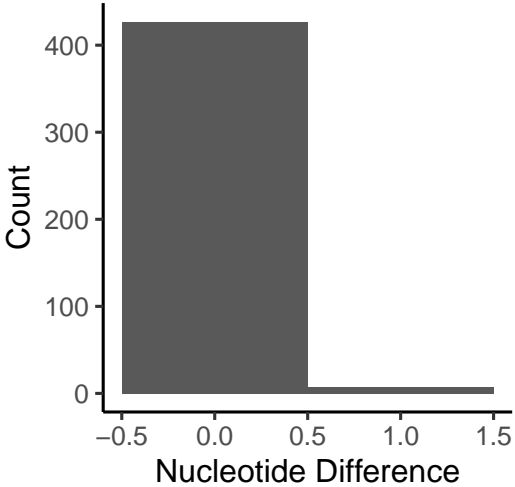
TRBV5-8\*ap01

1675 sequences assigned  
1651 (98.6%) exact matches, in which:  
1633 unique CDR3  
13 unique J



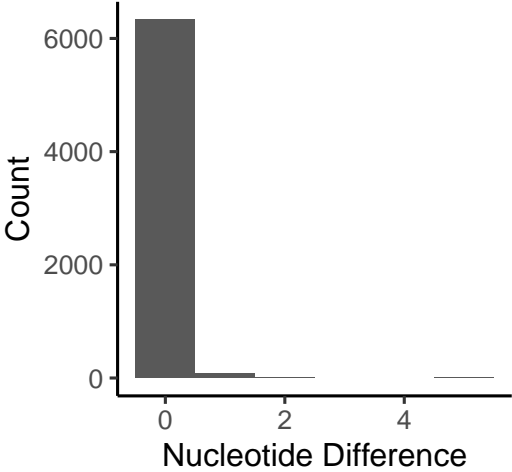
TRBV6-7\*ap01

434 sequences assigned  
427 (98.4%) exact matches, in which:  
419 unique CDR3  
13 unique J



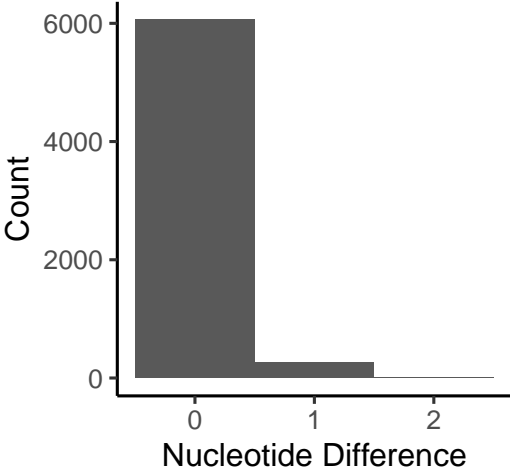
TRBV5-6\*ap01

6418 sequences assigned  
6331 (98.6%) exact matches, in which:  
6210 unique CDR3  
13 unique J



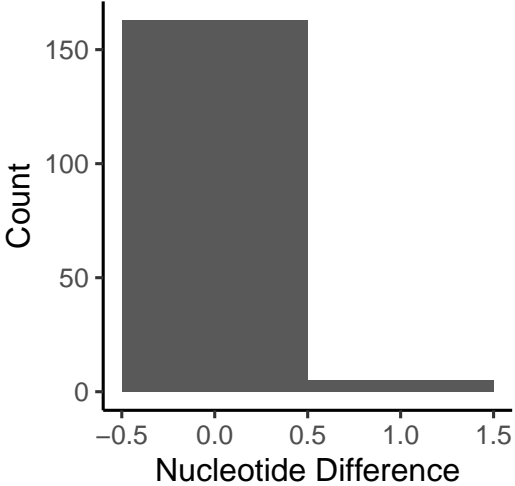
TRBV6-1\*ap01

6329 sequences assigned  
6061 (95.8%) exact matches, in which:  
5952 unique CDR3  
13 unique J



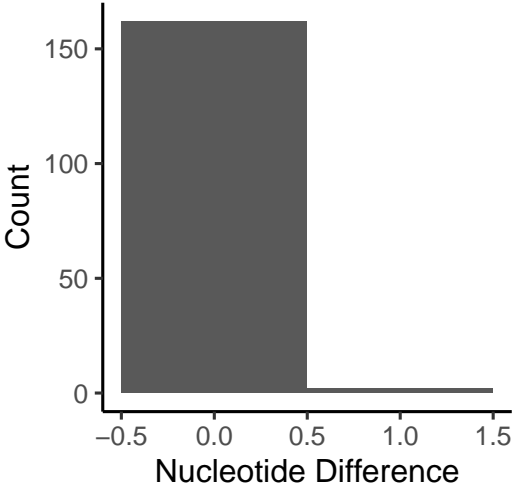
TRBV6-8\*ap01

168 sequences assigned  
163 (97%) exact matches, in which:  
159 unique CDR3  
13 unique J



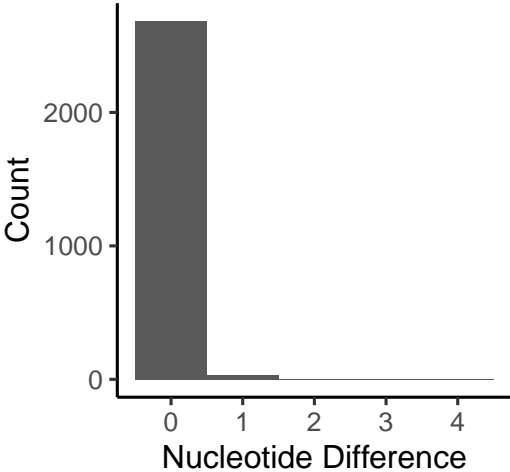
TRBV5-7\*ap01

164 sequences assigned  
162 (98.8%) exact matches, in which:  
156 unique CDR3  
12 unique J



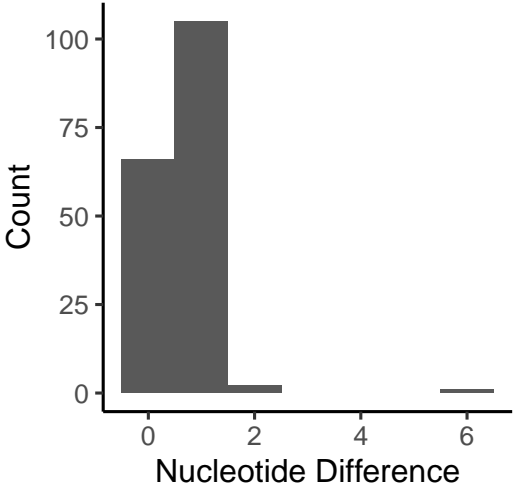
TRBV6-4\*ap01

2725 sequences assigned  
2685 (98.5%) exact matches, in which:  
2643 unique CDR3  
13 unique J



TRBV6-9\*ap01

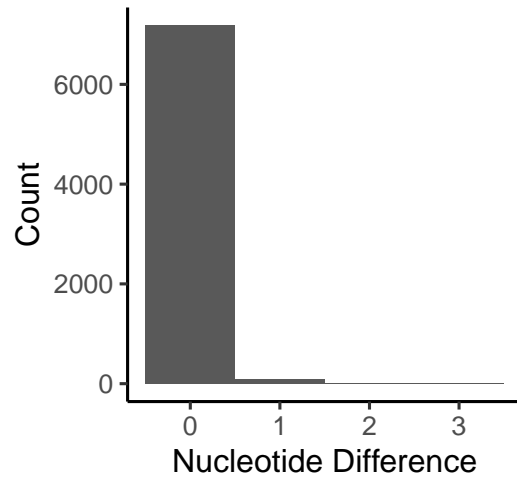
174 sequences assigned  
66 (37.9%) exact matches, in which:  
66 unique CDR3  
13 unique J





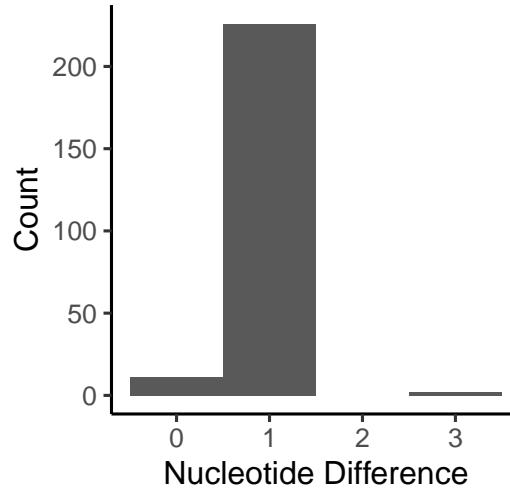
### TRBV6-23\*ap01

7287 sequences assigned  
7182 (98.6%) exact matches, in which:  
7046 unique CDR3  
13 unique J



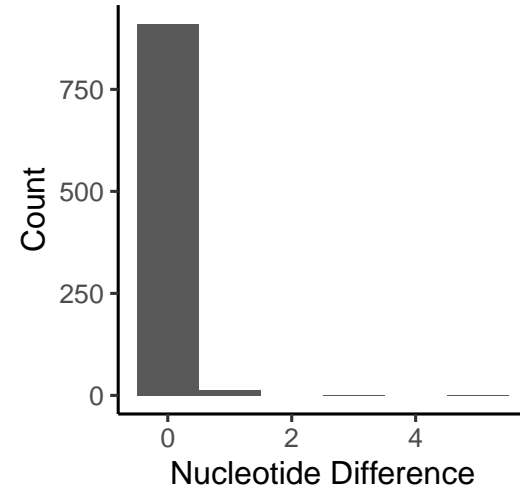
### TRBV7-1\*ap01\_T296C\_()

239 sequences assigned  
11 (4.6%) exact matches, in which:  
11 unique CDR3  
8 unique J



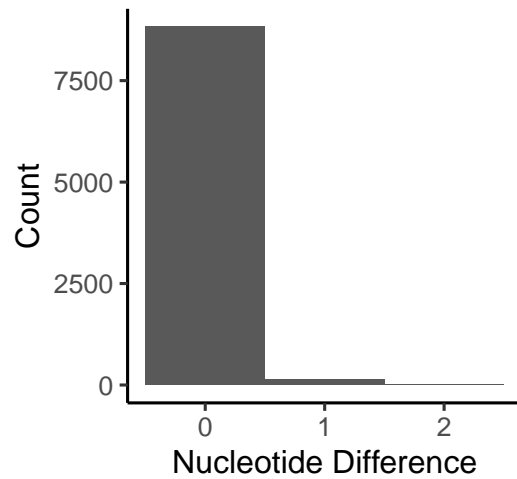
### TRBV7-3\*ap03

926 sequences assigned  
911 (98.4%) exact matches, in which:  
904 unique CDR3  
14 unique J



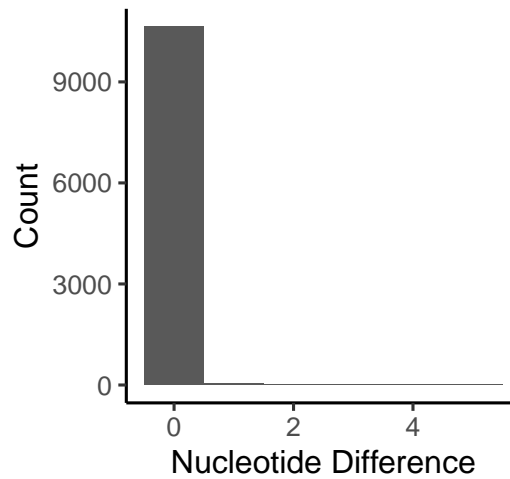
### TRBV6-56\*ap01

8967 sequences assigned  
8828 (98.4%) exact matches, in which:  
8644 unique CDR3  
13 unique J



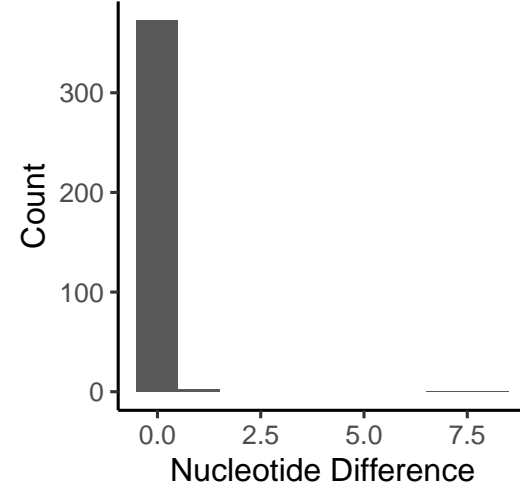
### TRBV7-2\*ap01

10699 sequences assigned  
10638 (99.4%) exact matches, in which:  
10562 unique CDR3  
13 unique J



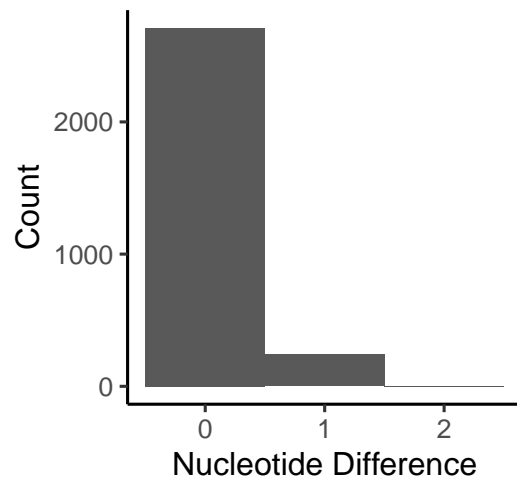
### TRBV7-4\*ap01

378 sequences assigned  
373 (98.7%) exact matches, in which:  
370 unique CDR3  
13 unique J



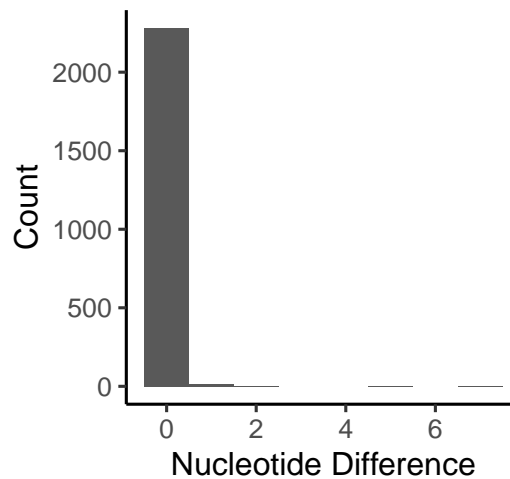
### TRBV6-56\*ap02

2952 sequences assigned  
2710 (91.8%) exact matches, in which:  
2668 unique CDR3  
13 unique J



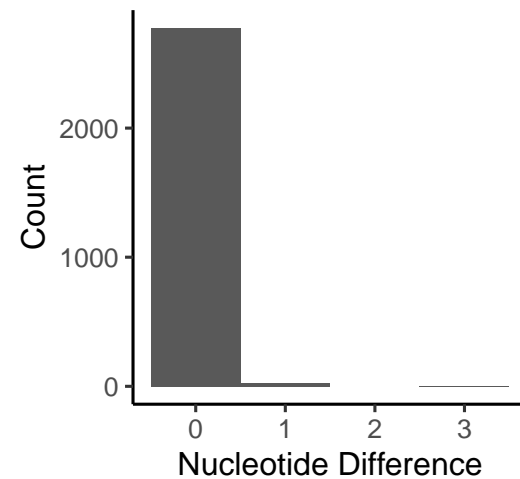
### TRBV7-3\*ap01

2300 sequences assigned  
2281 (99.2%) exact matches, in which:  
2259 unique CDR3  
13 unique J



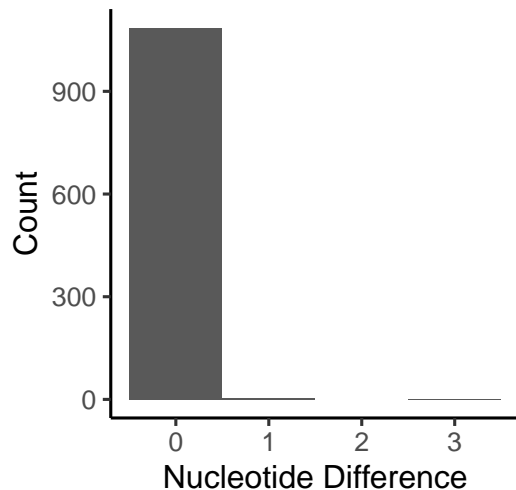
### TRBV7-6\*ap01

2800 sequences assigned  
2775 (99.1%) exact matches, in which:  
2755 unique CDR3  
13 unique J



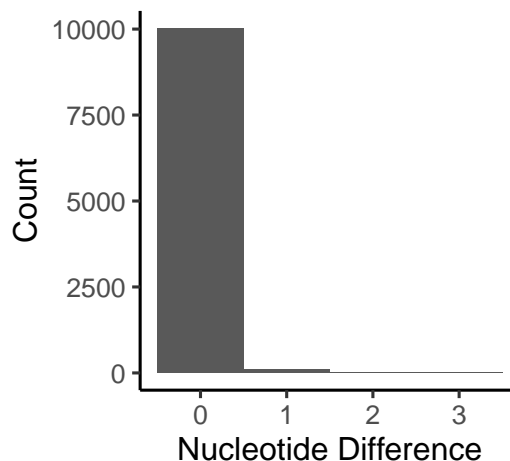
### TRBV7-7\*ap01

1092 sequences assigned  
1086 (99.5%) exact matches, in which:  
1076 unique CDR3  
13 unique J



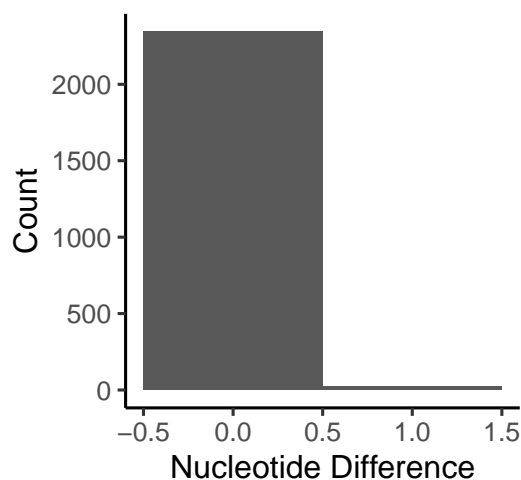
### TRBV7-9\*ap01

10146 sequences assigned  
10027 (98.8%) exact matches, in which:  
9921 unique CDR3  
13 unique J



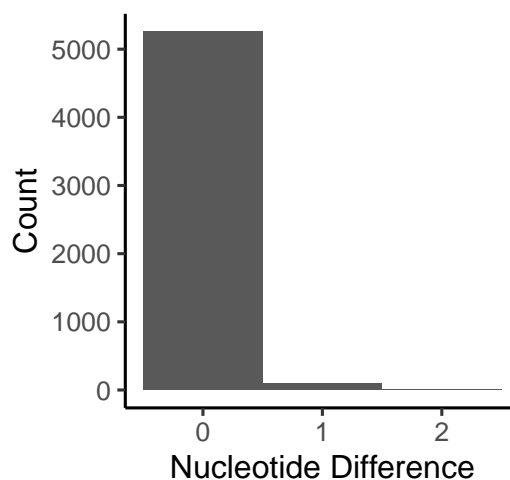
### TRBV7-8\*ap01

2368 sequences assigned  
2344 (99%) exact matches, in which:  
2323 unique CDR3  
13 unique J



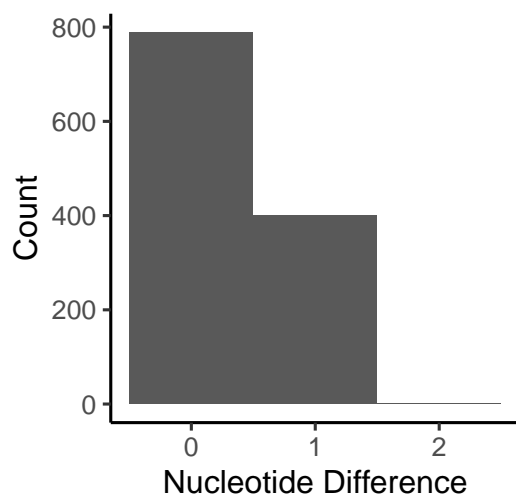
### TRBV29-1\*ap01

5357 sequences assigned  
5256 (98.1%) exact matches, in which:  
5150 unique CDR3  
13 unique J



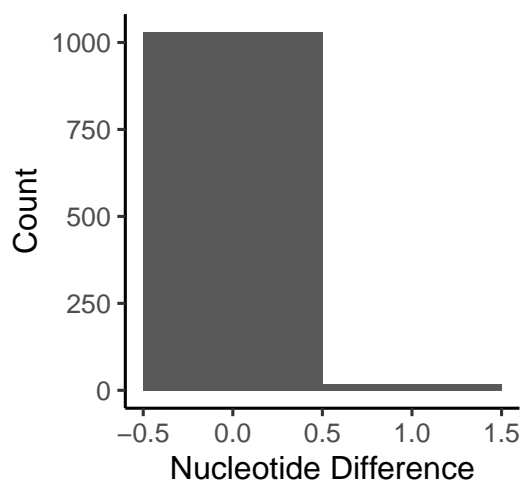
### TRBV7-8\*ap03

1191 sequences assigned  
789 (66.2%) exact matches, in which:  
782 unique CDR3  
13 unique J



### TRBV29-1\*ap02

1049 sequences assigned  
1030 (98.2%) exact matches, in which:  
1008 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T

