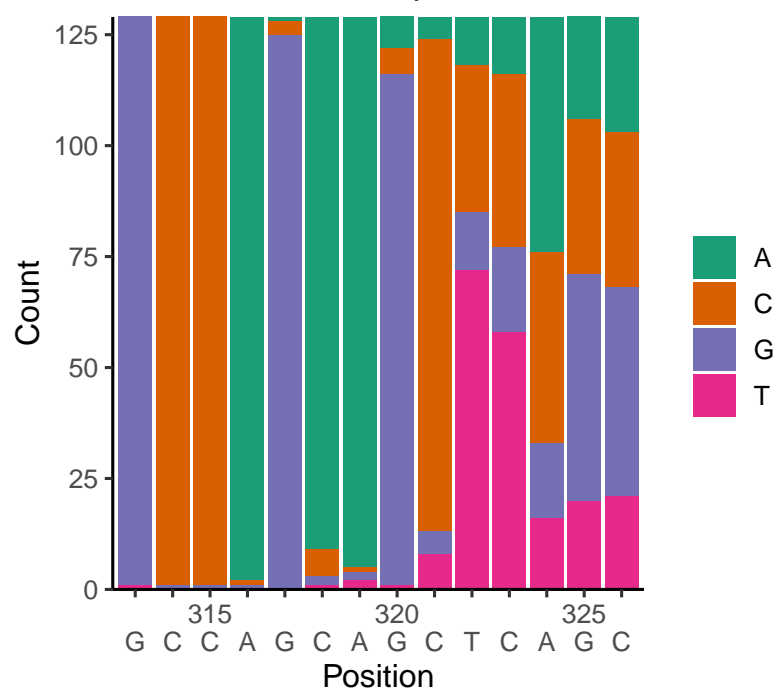
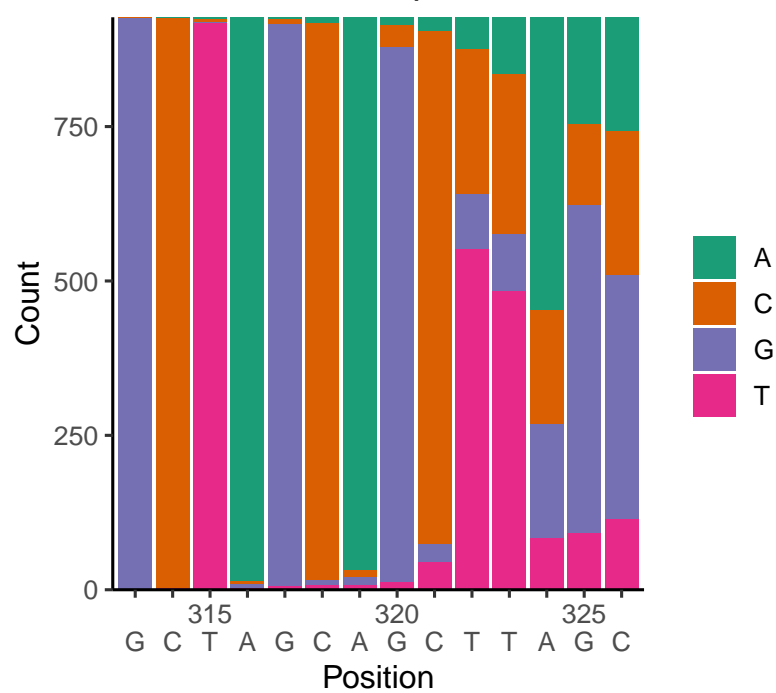


Gene TRBV7-1\*ap01\_G291C\_T296C



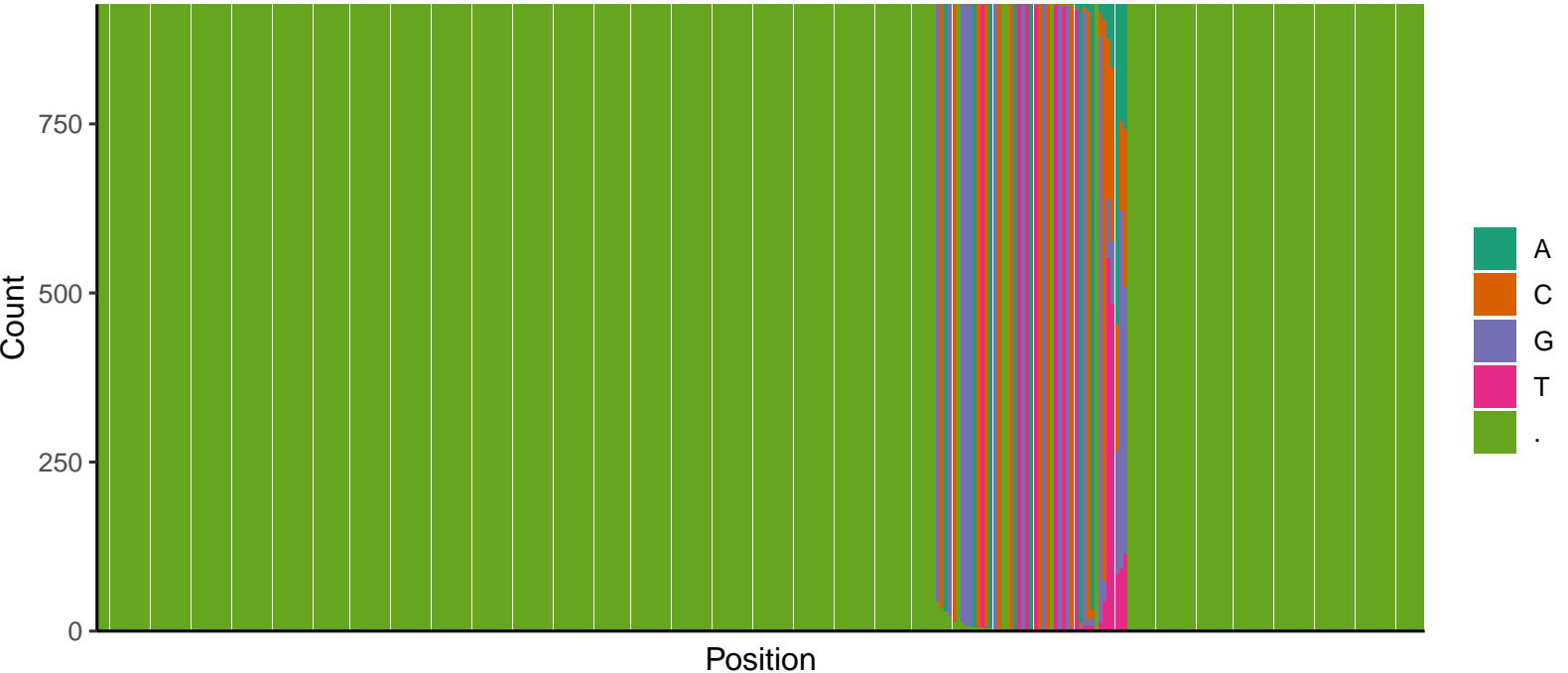
Gene TRBV7-7\*ap01\_C315T



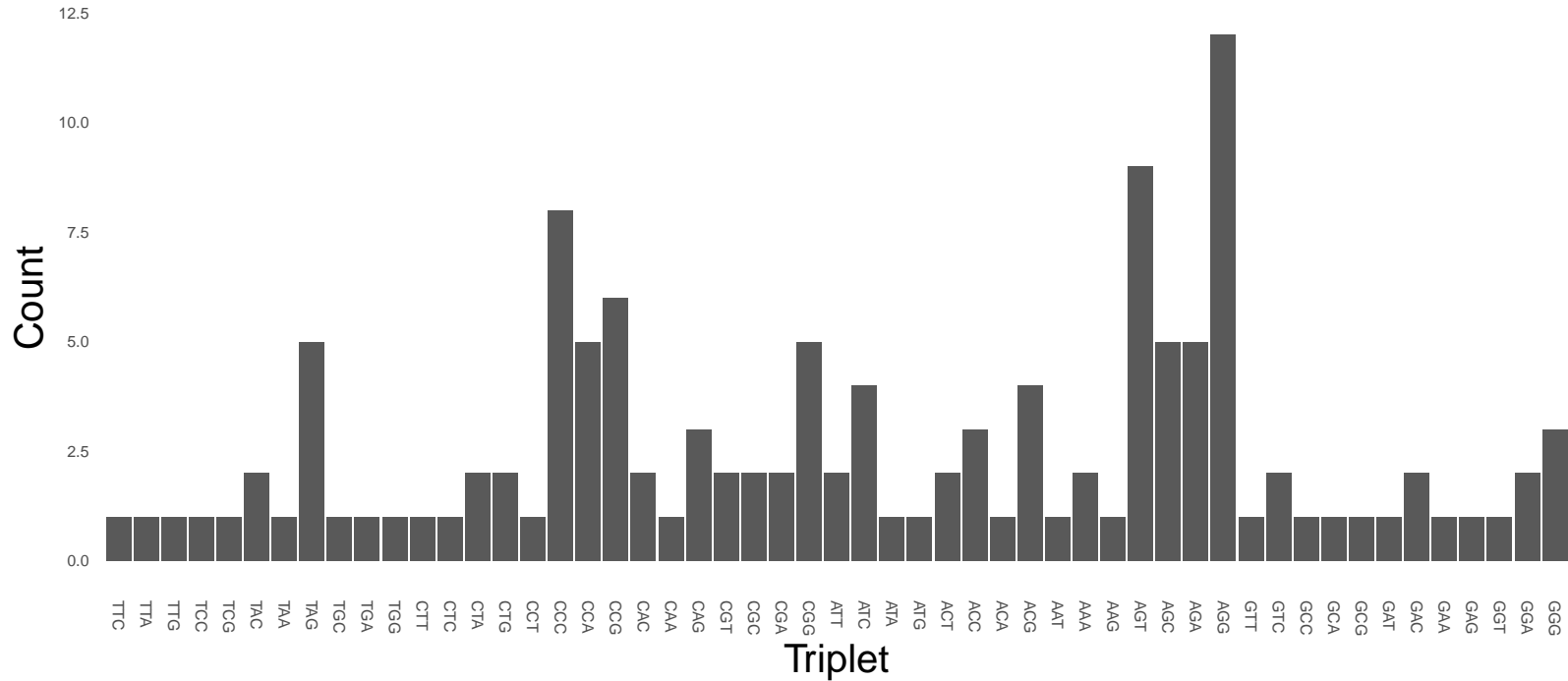
Gene TRBV7-1\*ap01\_G291C\_T296C



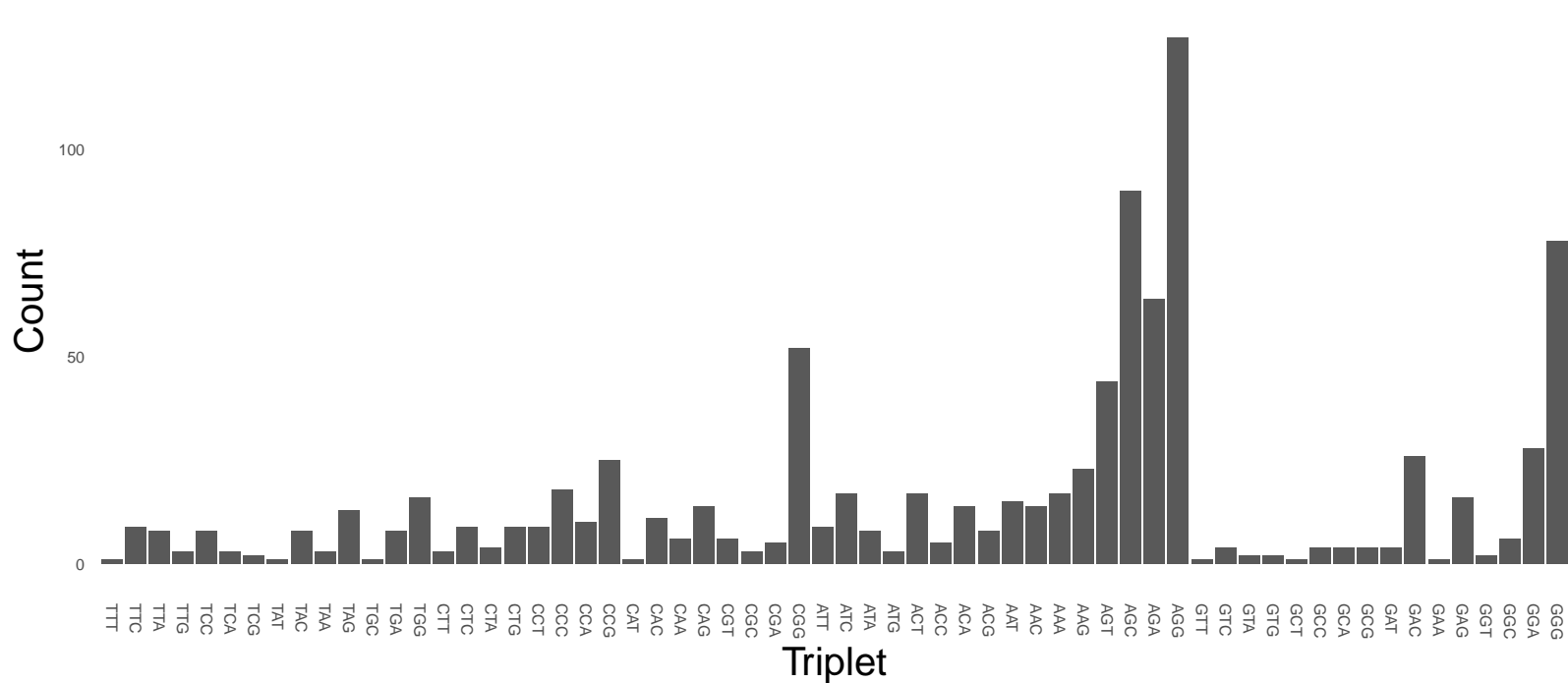
Gene TRBV7-7\*ap01\_C315T



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

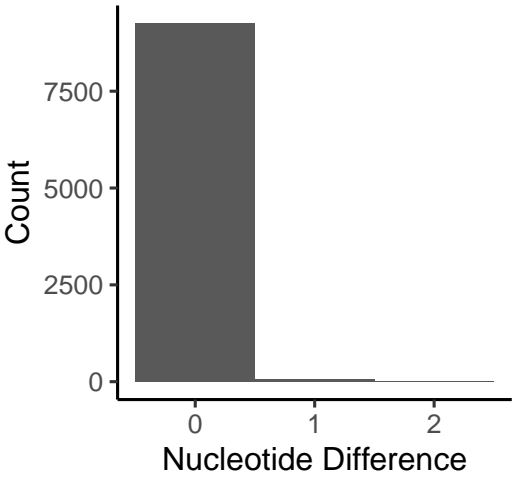


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



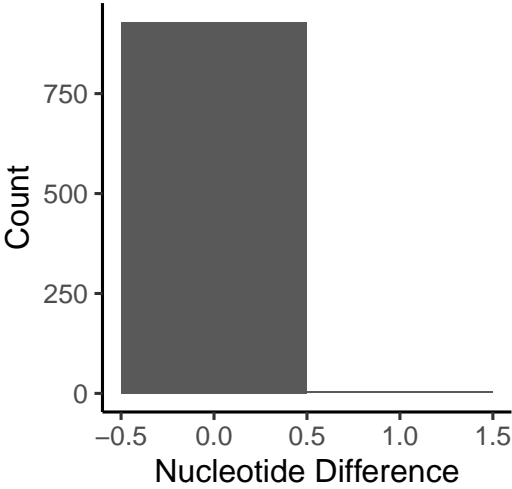
TRBV20-1\*ap01

9321 sequences assigned  
9250 (99.2%) exact matches, in which:  
9181 unique CDR3  
13 unique J



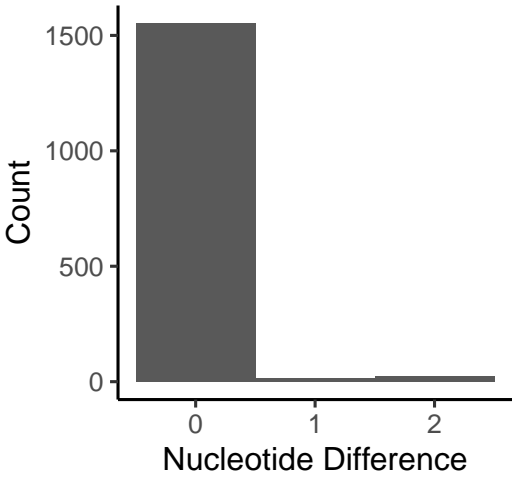
TRBV10-2\*ap01

935 sequences assigned  
930 (99.5%) exact matches, in which:  
910 unique CDR3  
13 unique J



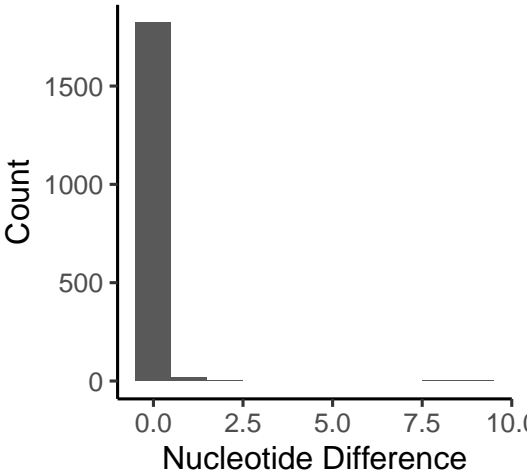
TRBV13\*ap01

1590 sequences assigned  
1552 (97.6%) exact matches, in which:  
1525 unique CDR3  
13 unique J



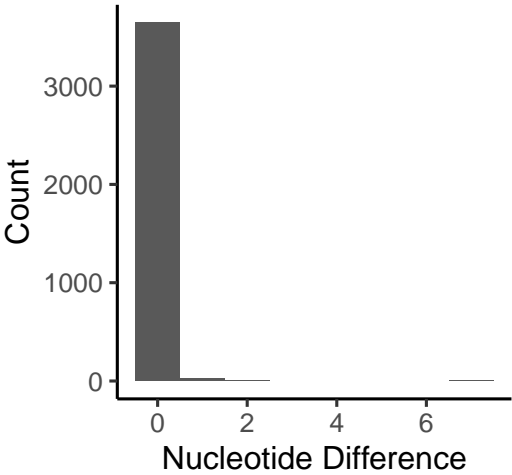
TRBV10-1\*ap01

1843 sequences assigned  
1822 (98.9%) exact matches, in which:  
1803 unique CDR3  
13 unique J



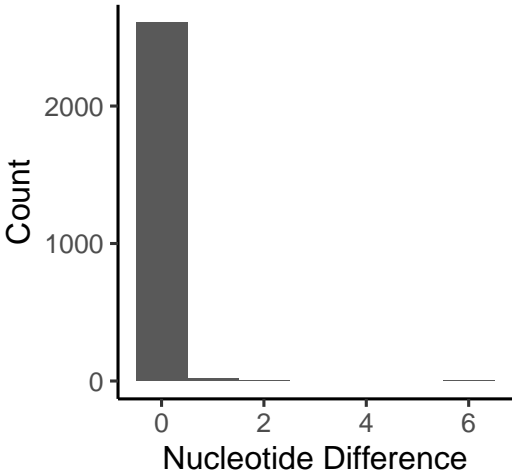
TRBV10-3\*ap01

3676 sequences assigned  
3645 (99.2%) exact matches, in which:  
3575 unique CDR3  
13 unique J



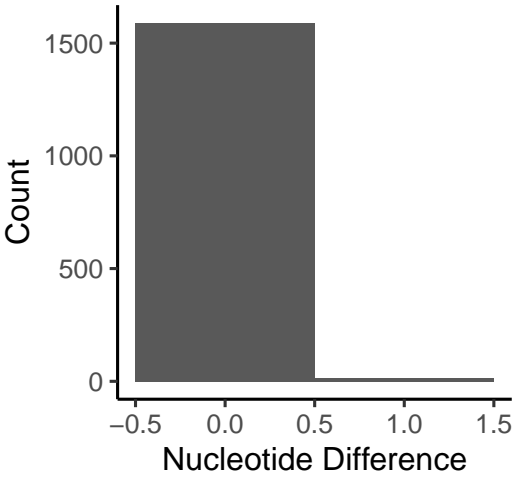
TRBV14\*ap01

2625 sequences assigned  
2606 (99.3%) exact matches, in which:  
2566 unique CDR3  
13 unique J



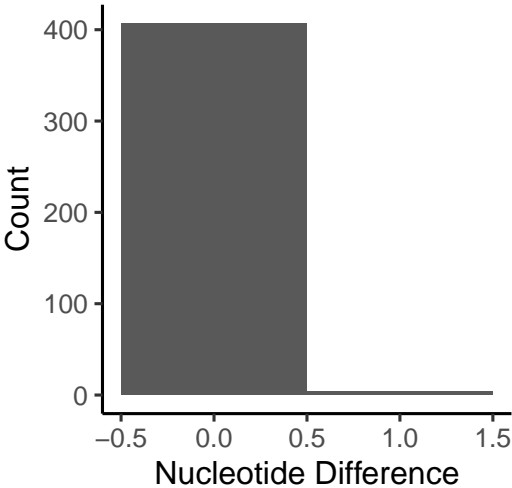
TRBV20-1\*ap02

1604 sequences assigned  
1589 (99.1%) exact matches, in which:  
1574 unique CDR3  
13 unique J



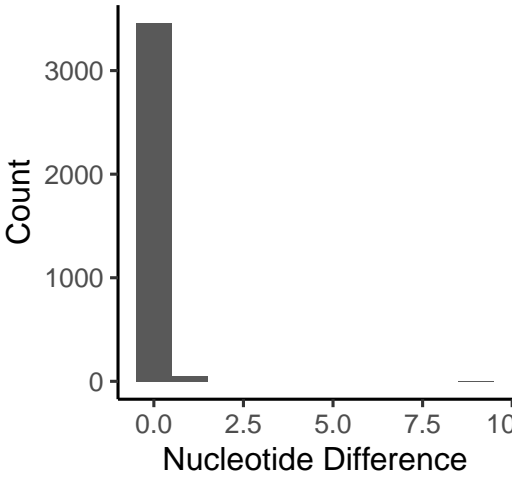
TRBV1\*ap01

411 sequences assigned  
407 (99%) exact matches, in which:  
392 unique CDR3  
13 unique J



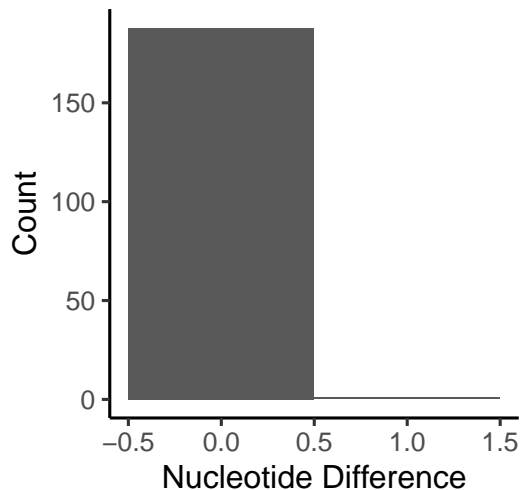
TRBV15\*ap02

3510 sequences assigned  
3459 (98.5%) exact matches, in which:  
3404 unique CDR3  
13 unique J



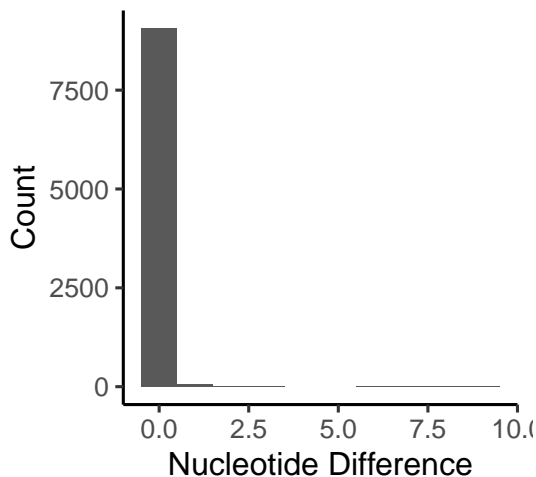
### TRBV16\*ap01

189 sequences assigned  
188 (99.5%) exact matches, in which:  
188 unique CDR3  
13 unique J



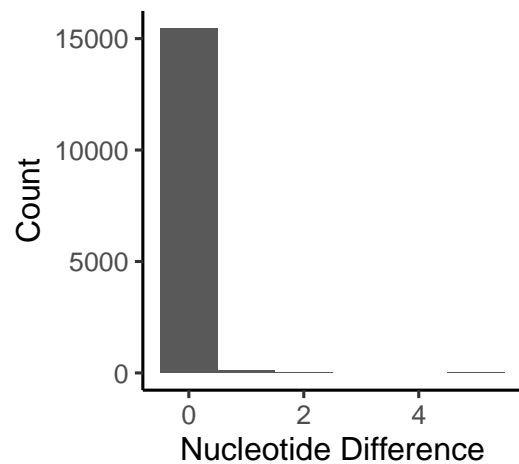
### TRBV19\*ap01

9135 sequences assigned  
9061 (99.2%) exact matches, in which:  
9004 unique CDR3  
13 unique J



### TRBV28\*ap01

15572 sequences assigned  
15468 (99.3%) exact matches, in which:  
15301 unique CDR3  
13 unique J



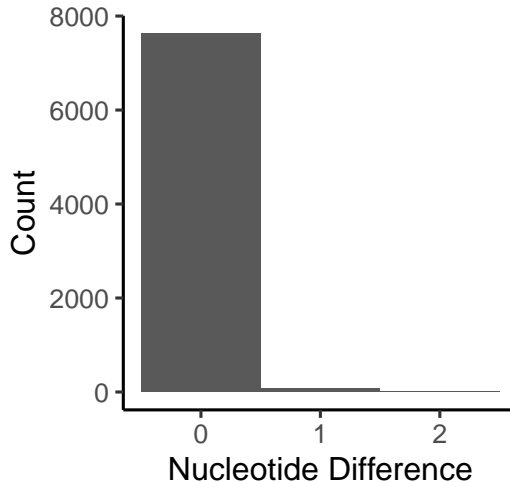
### TRBV17\*ap01

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



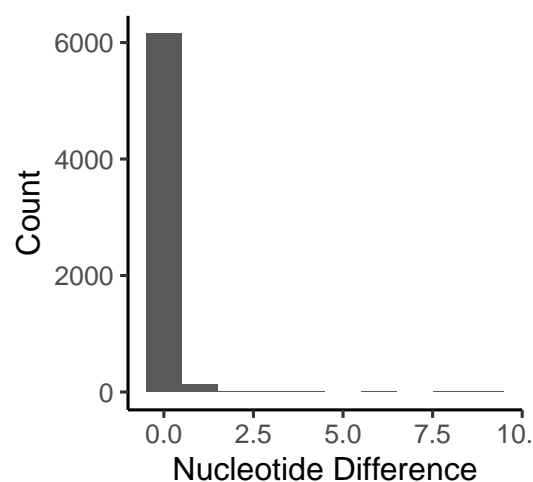
### TRBV2\*ap01

7705 sequences assigned  
7624 (98.9%) exact matches, in which:  
7511 unique CDR3  
13 unique J



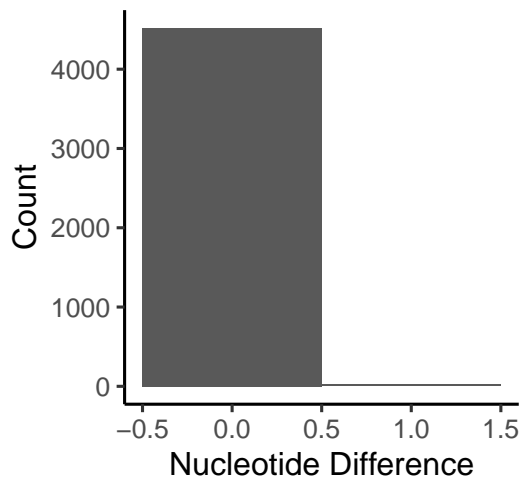
### TRBV30\*ap01

6290 sequences assigned  
6151 (97.8%) exact matches, in which:  
5995 unique CDR3  
13 unique J



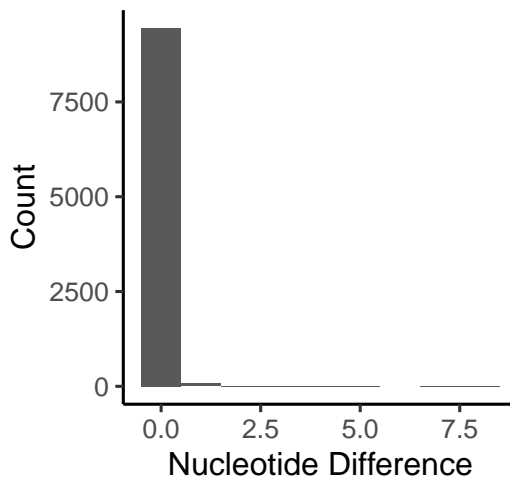
### TRBV18\*ap01

4543 sequences assigned  
4519 (99.5%) exact matches, in which:  
4494 unique CDR3  
13 unique J



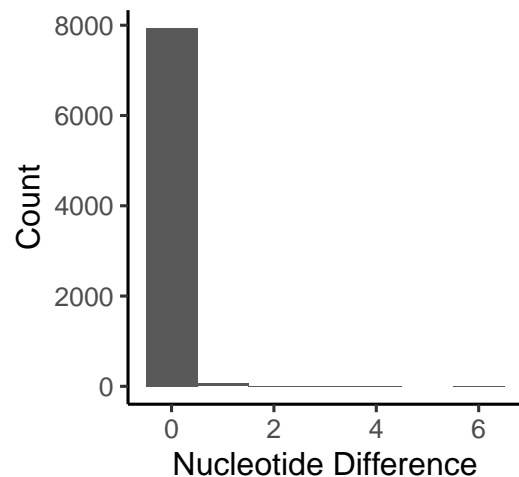
### TRBV27\*ap01

9529 sequences assigned  
9448 (99.1%) exact matches, in which:  
9319 unique CDR3  
13 unique J



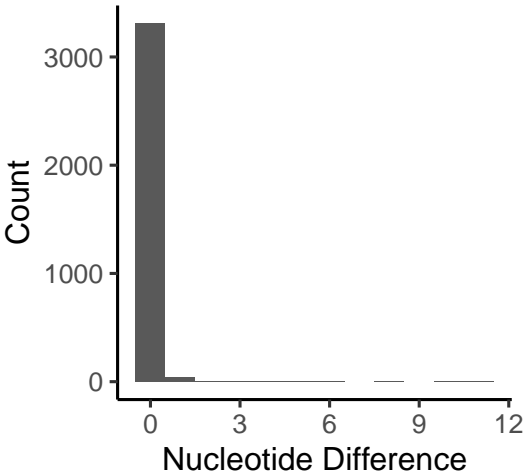
### TRBV9\*ap01

8010 sequences assigned  
7938 (99.1%) exact matches, in which:  
7874 unique CDR3  
13 unique J



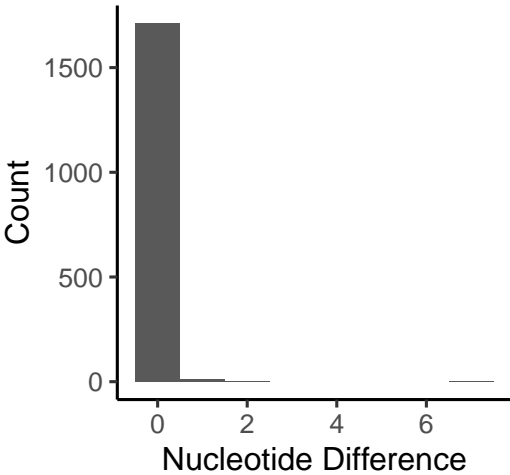
TRBV21-1\*ap01

3365 sequences assigned  
3310 (98.4%) exact matches, in which:  
3291 unique CDR3  
13 unique J



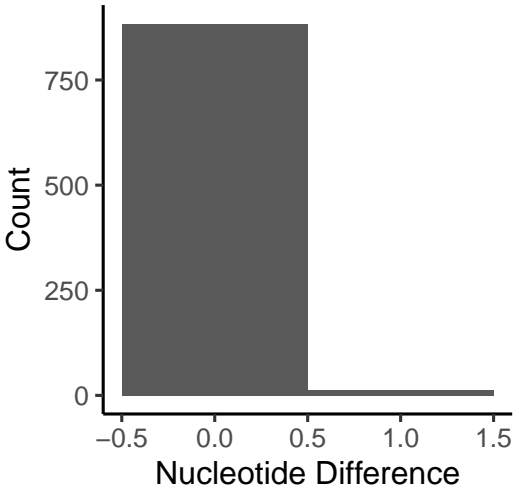
TRBV11-3\*ap01

1723 sequences assigned  
1711 (99.3%) exact matches, in which:  
1701 unique CDR3  
13 unique J



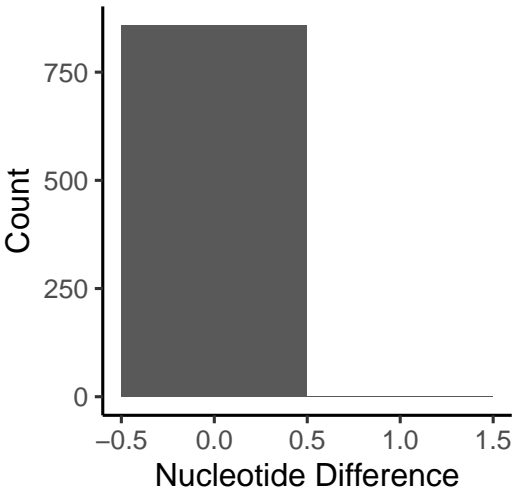
TRBV12-5\*ap01

897 sequences assigned  
884 (98.6%) exact matches, in which:  
871 unique CDR3  
13 unique J



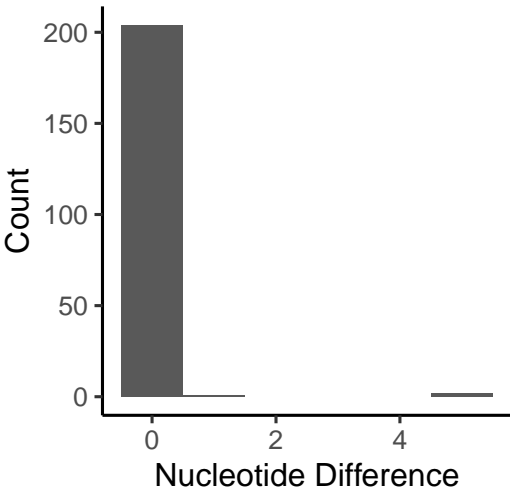
TRBV11-1\*ap01

861 sequences assigned  
859 (99.8%) exact matches, in which:  
852 unique CDR3  
13 unique J



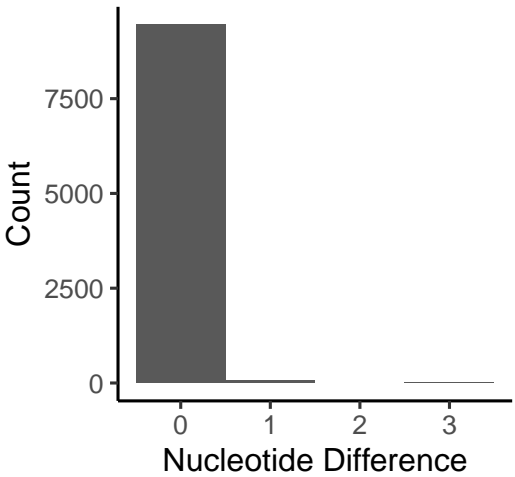
TRBV12-1\*ap01

207 sequences assigned  
204 (98.6%) exact matches, in which:  
203 unique CDR3  
13 unique J



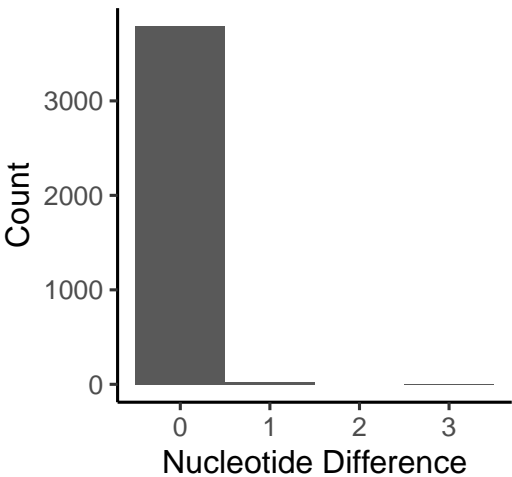
TRBV12-34\*ap01

9524 sequences assigned  
9450 (99.2%) exact matches, in which:  
9304 unique CDR3  
13 unique J



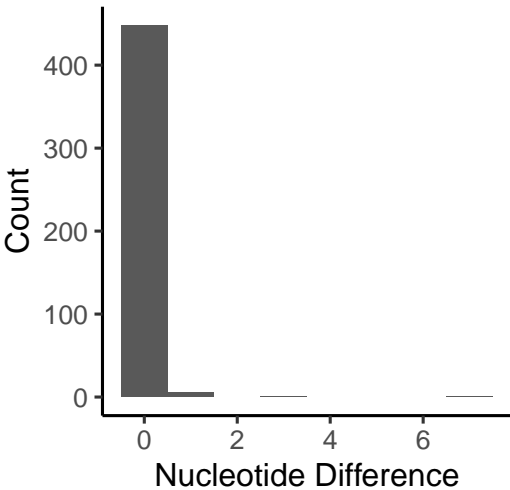
TRBV11-2\*ap01

3819 sequences assigned  
3792 (99.3%) exact matches, in which:  
3768 unique CDR3  
13 unique J



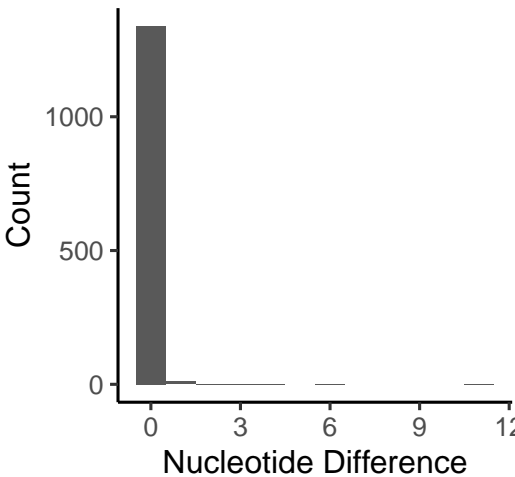
TRBV12-2\*ap01

456 sequences assigned  
448 (98.2%) exact matches, in which:  
440 unique CDR3  
13 unique J



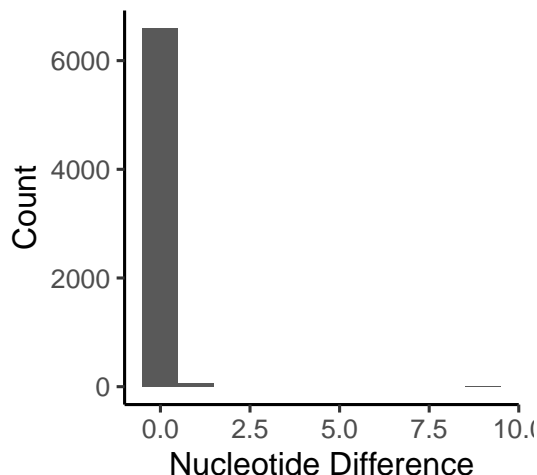
TRBV23-1\*ap01

1354 sequences assigned  
1339 (98.9%) exact matches, in which:  
1333 unique CDR3  
13 unique J



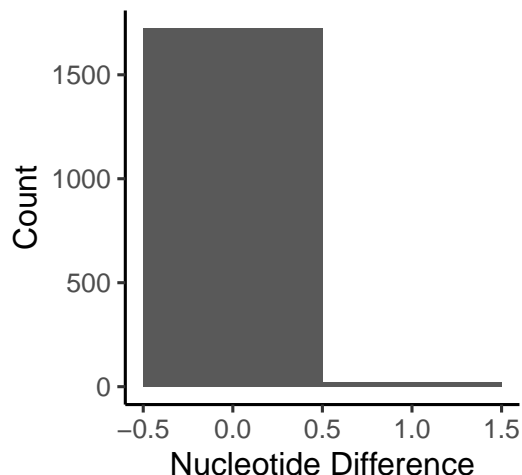
### TRBV3-12\*ap01

6652 sequences assigned  
6593 (99.1%) exact matches, in which:  
6522 unique CDR3  
13 unique J



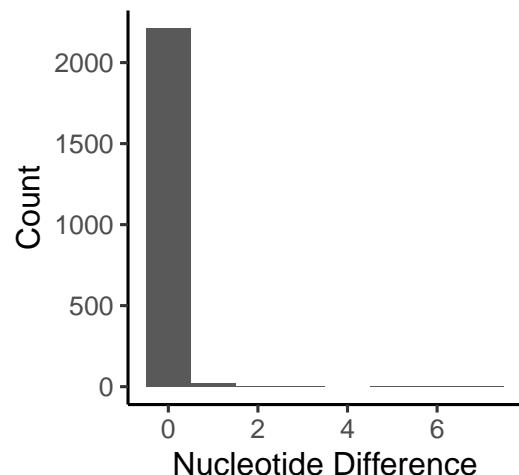
### TRBV4-2\*ap01

1743 sequences assigned  
1723 (98.9%) exact matches, in which:  
1691 unique CDR3  
13 unique J



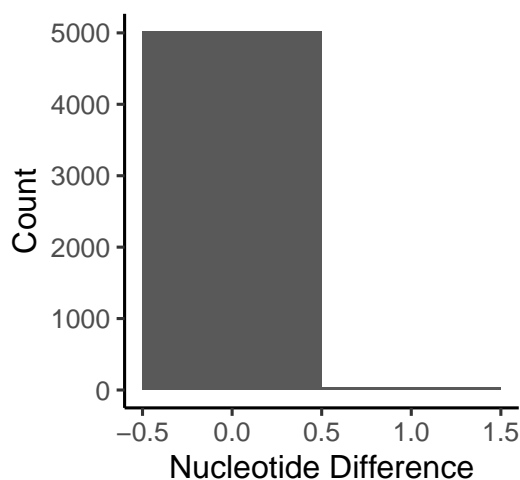
### TRBV25-1\*ap01

2240 sequences assigned  
2211 (98.7%) exact matches, in which:  
2166 unique CDR3  
13 unique J



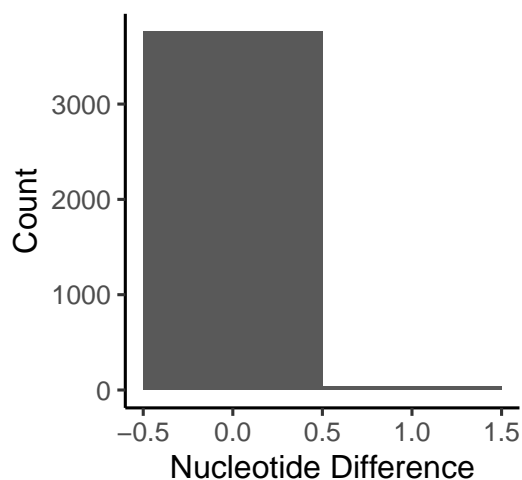
### TRBV4-1\*ap01

5050 sequences assigned  
5016 (99.3%) exact matches, in which:  
4931 unique CDR3  
13 unique J



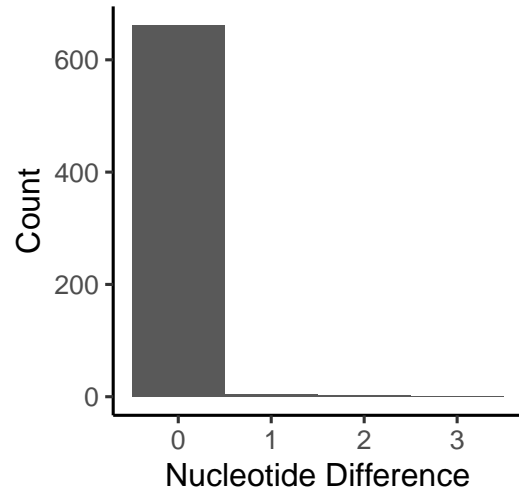
### TRBV4-3\*ap01

3800 sequences assigned  
3759 (98.9%) exact matches, in which:  
3710 unique CDR3  
13 unique J



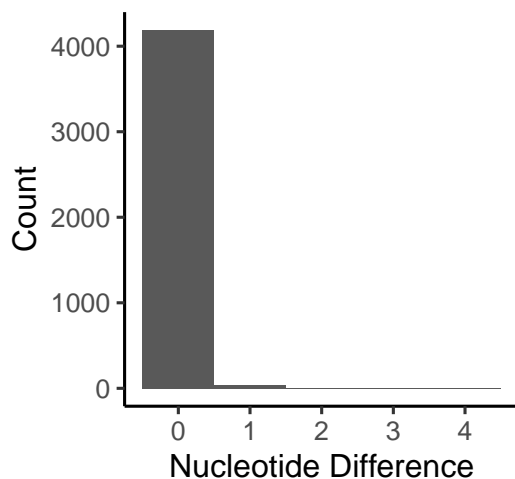
### TRBV5-3\*ap01

670 sequences assigned  
662 (98.8%) exact matches, in which:  
652 unique CDR3  
13 unique J



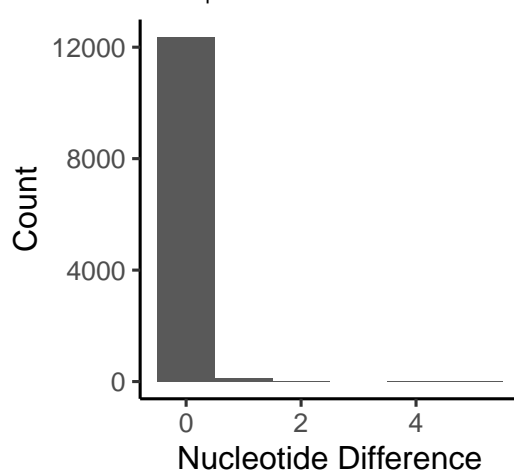
### TRBV24-1\*ap01

4231 sequences assigned  
4189 (99%) exact matches, in which:  
4137 unique CDR3  
13 unique J



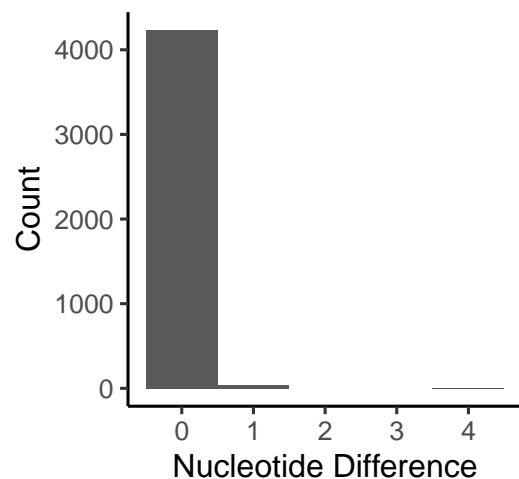
### TRBV5-1\*ap01

12496 sequences assigned  
12373 (99%) exact matches, in which:  
12170 unique CDR3  
13 unique J



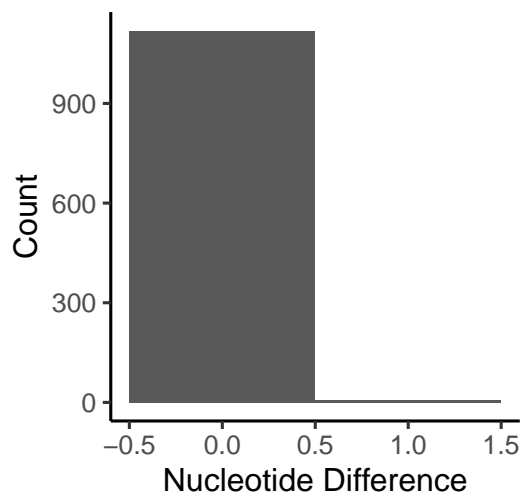
### TRBV5-4\*ap01

4270 sequences assigned  
4233 (99.1%) exact matches, in which:  
4167 unique CDR3  
13 unique J



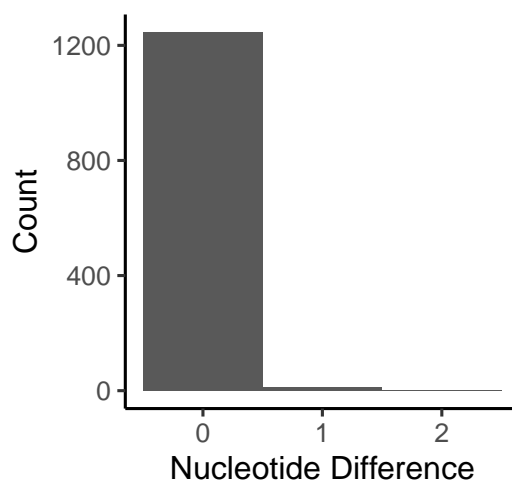
### TRBV5-5\*ap01

1127 sequences assigned  
1119 (99.3%) exact matches, in which:  
1110 unique CDR3  
13 unique J



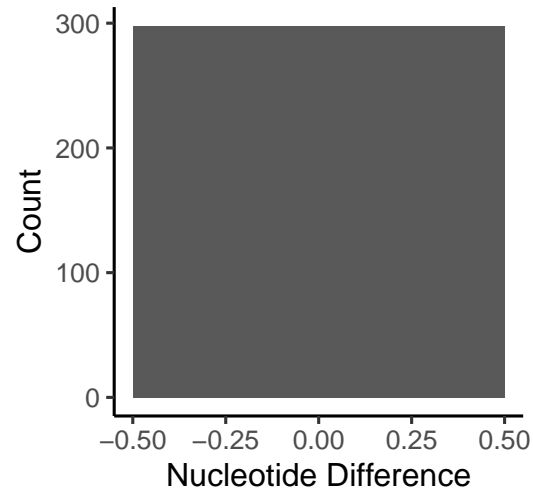
### TRBV5-8\*ap01

1258 sequences assigned  
1245 (99%) exact matches, in which:  
1229 unique CDR3  
13 unique J



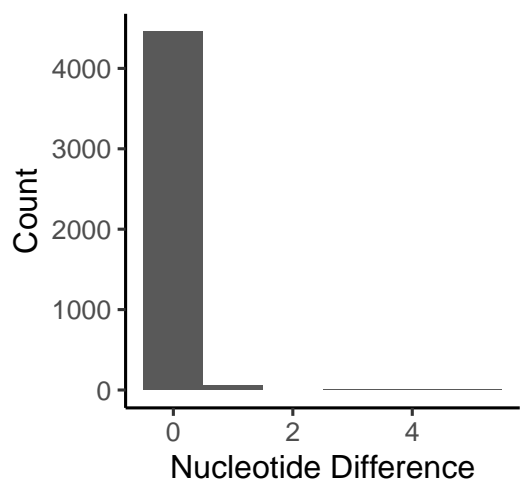
### TRBV6-7\*ap01

298 sequences assigned  
298 (100%) exact matches, in which:  
288 unique CDR3  
13 unique J



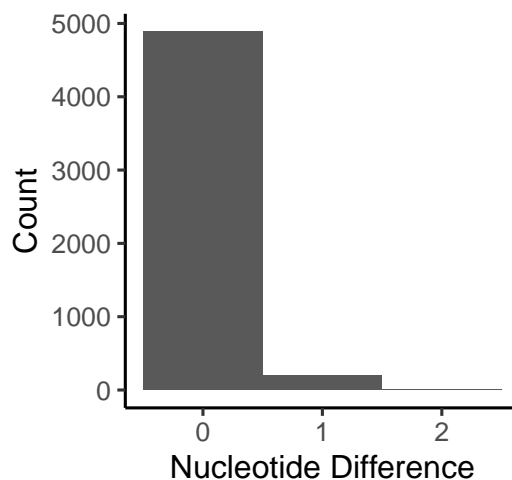
### TRBV5-6\*ap01

4511 sequences assigned  
4456 (98.8%) exact matches, in which:  
4338 unique CDR3  
13 unique J



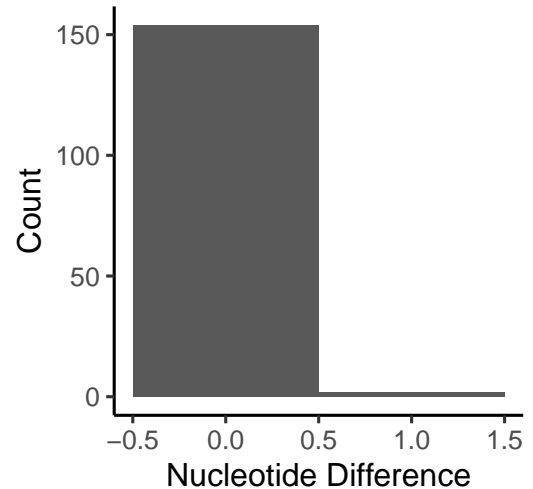
### TRBV6-1\*ap01

5085 sequences assigned  
4887 (96.1%) exact matches, in which:  
4787 unique CDR3  
13 unique J



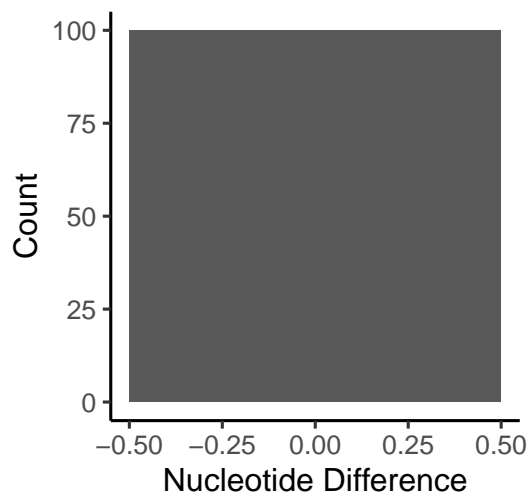
### TRBV6-8\*ap01

156 sequences assigned  
154 (98.7%) exact matches, in which:  
151 unique CDR3  
13 unique J



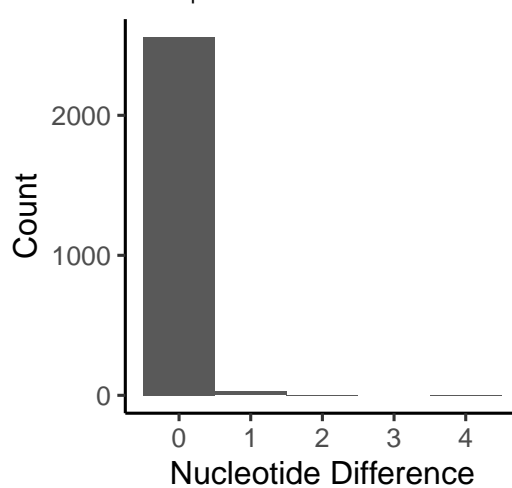
### TRBV5-7\*ap01

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



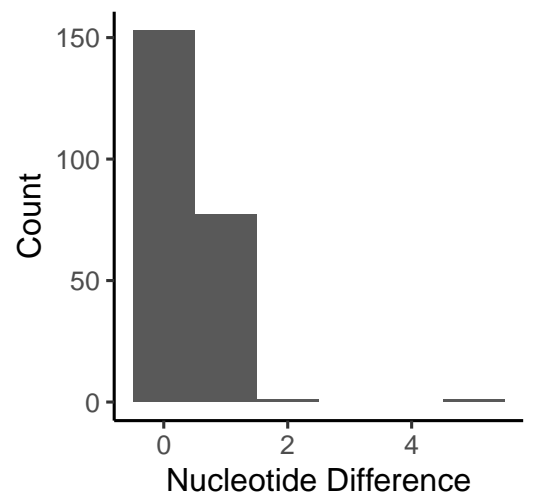
### TRBV6-4\*ap01

2589 sequences assigned  
2559 (98.8%) exact matches, in which:  
2539 unique CDR3  
13 unique J



### TRBV6-9\*ap01

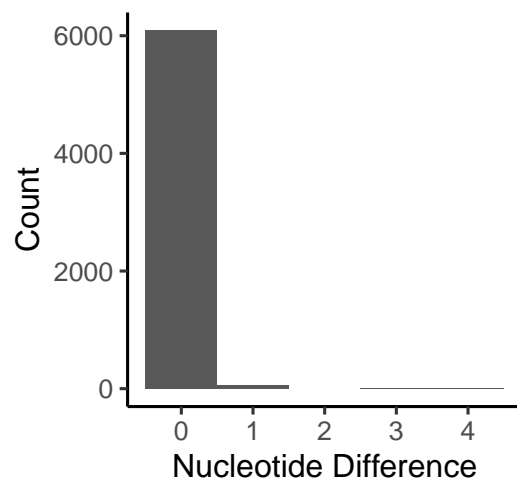
232 sequences assigned  
153 (65.9%) exact matches, in which:  
151 unique CDR3  
13 unique J





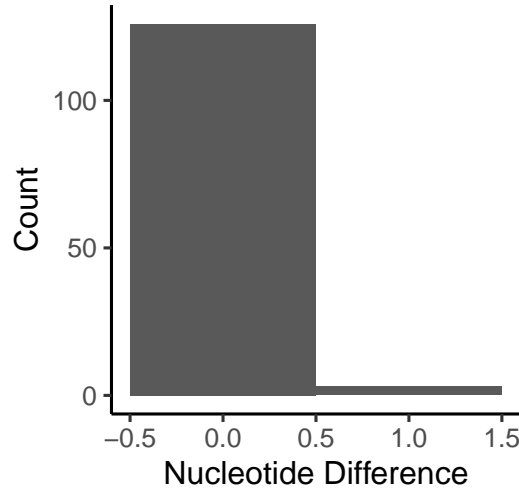
### TRBV6-23\*ap01

6145 sequences assigned  
6090 (99.1%) exact matches, in which:  
5955 unique CDR3  
13 unique J



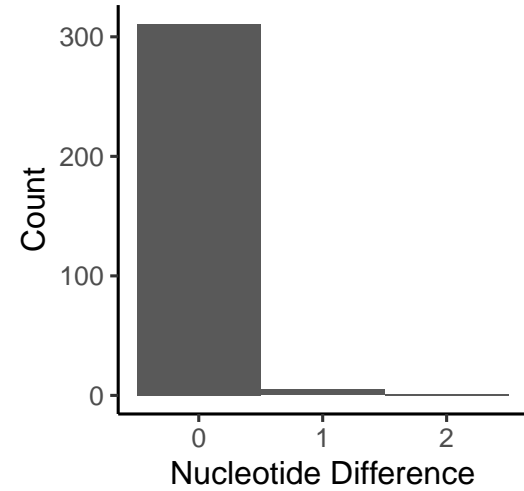
### TRBV7-1\*ap01\_G291C\_

129 sequences assigned  
126 (97.7%) exact matches, in which:  
126 unique CDR3  
13 unique J



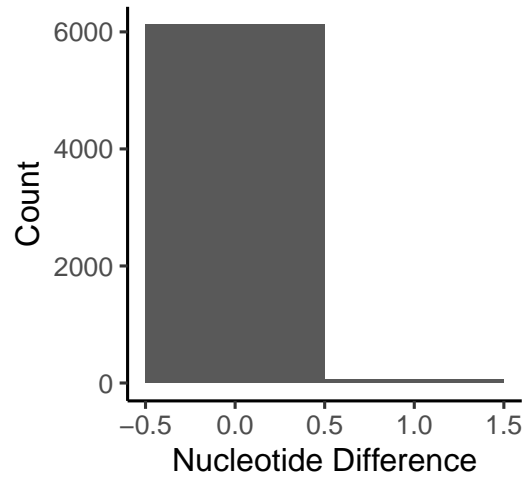
### TRBV7-4\*ap01

317 sequences assigned  
311 (98.1%) exact matches, in which:  
307 unique CDR3  
13 unique J



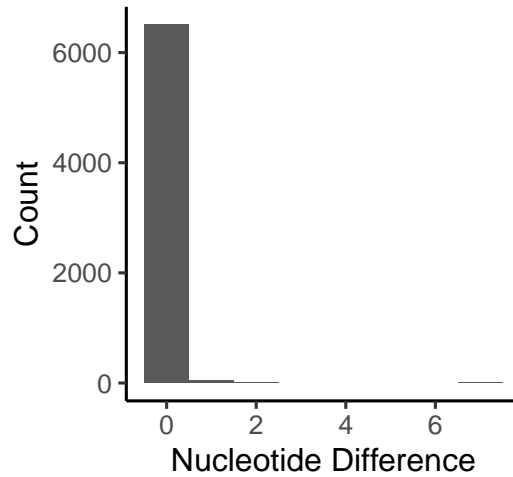
### TRBV6-56\*ap01

6187 sequences assigned  
6122 (98.9%) exact matches, in which:  
5983 unique CDR3  
13 unique J



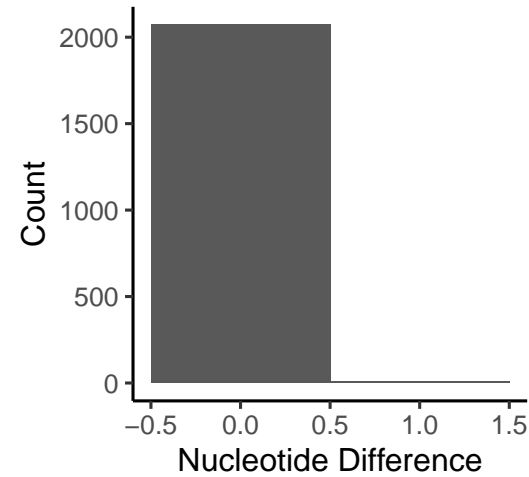
### TRBV7-2\*ap01

6550 sequences assigned  
6506 (99.3%) exact matches, in which:  
6430 unique CDR3  
13 unique J



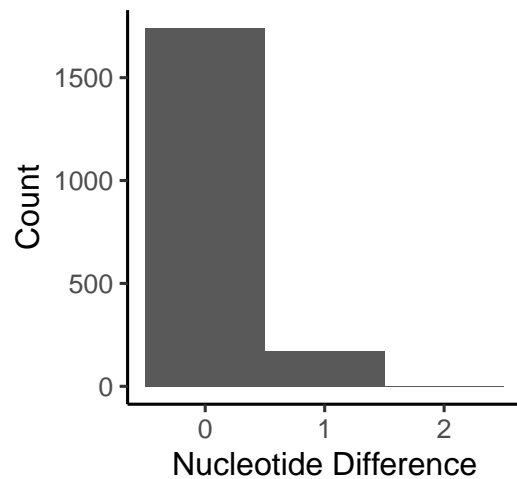
### TRBV7-6\*ap01

2083 sequences assigned  
2072 (99.5%) exact matches, in which:  
2042 unique CDR3  
13 unique J



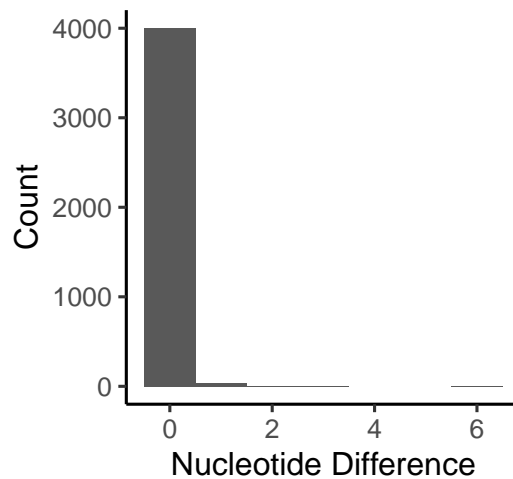
### TRBV6-56\*ap02

1915 sequences assigned  
1741 (90.9%) exact matches, in which:  
1699 unique CDR3  
13 unique J



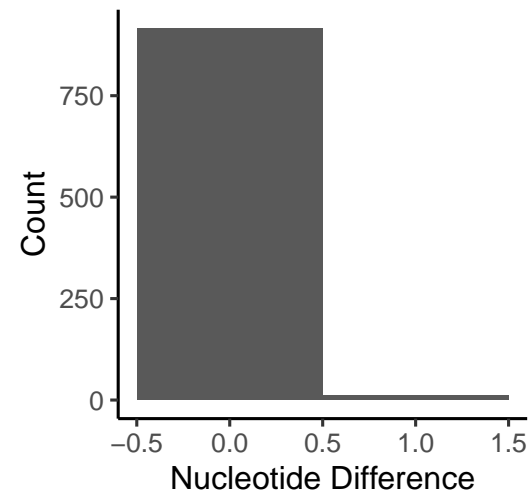
### TRBV7-3\*ap01

4043 sequences assigned  
4002 (99%) exact matches, in which:  
3977 unique CDR3  
13 unique J



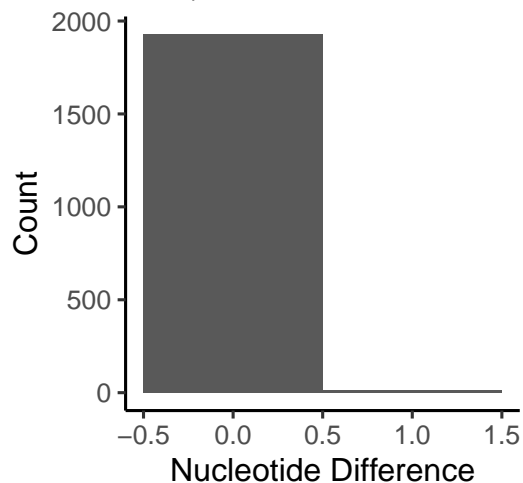
### TRBV7-7\*ap01\_C315T

927 sequences assigned  
916 (98.8%) exact matches, in which:  
905 unique CDR3  
13 unique J



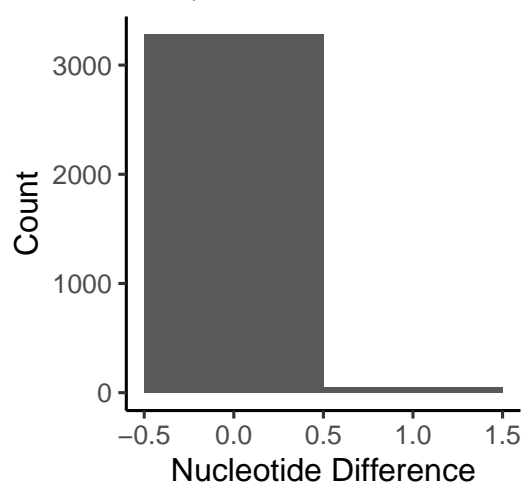
### TRBV7-8\*ap01

1942 sequences assigned  
1928 (99.3%) exact matches, in which:  
1906 unique CDR3  
13 unique J



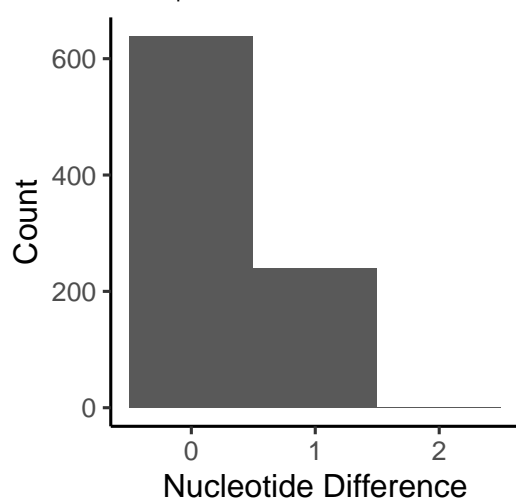
### TRBV29-1\*ap01

3332 sequences assigned  
3281 (98.5%) exact matches, in which:  
3188 unique CDR3  
13 unique J



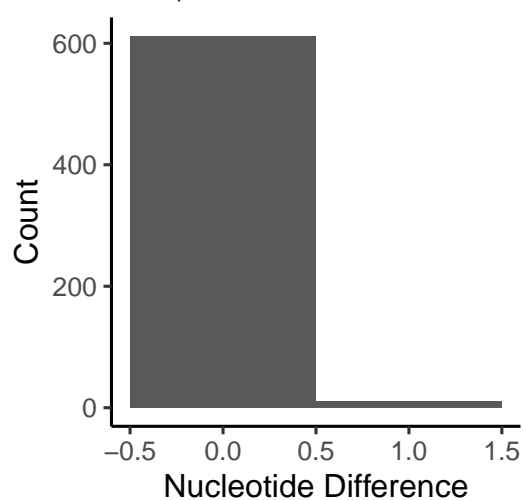
### TRBV7-8\*ap03

879 sequences assigned  
639 (72.7%) exact matches, in which:  
625 unique CDR3  
13 unique J



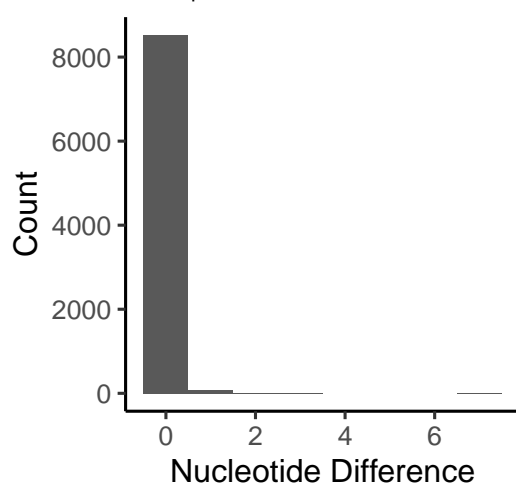
### TRBV29-1\*ap02

622 sequences assigned  
612 (98.4%) exact matches, in which:  
593 unique CDR3  
13 unique J

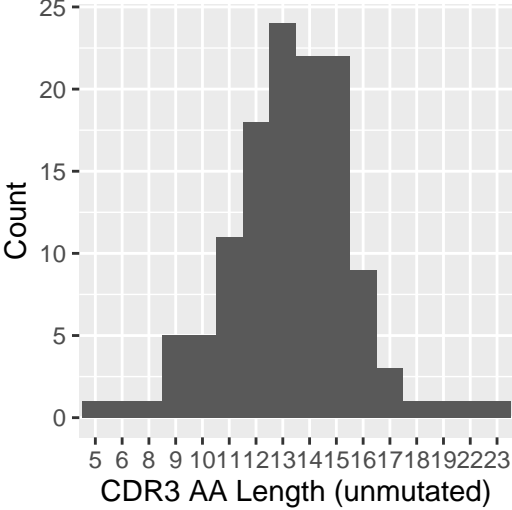


### TRBV7-9\*ap01

8612 sequences assigned  
8524 (99%) exact matches, in which:  
8415 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

