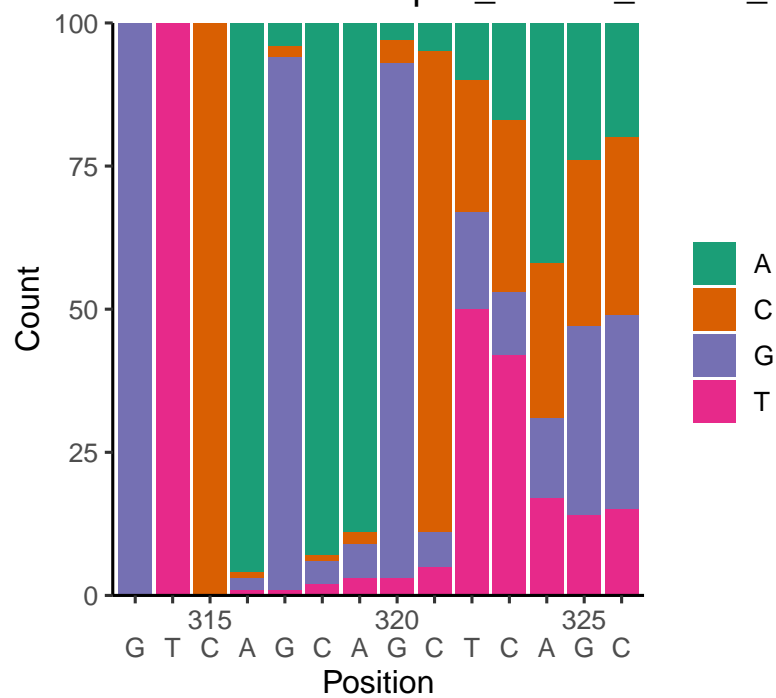
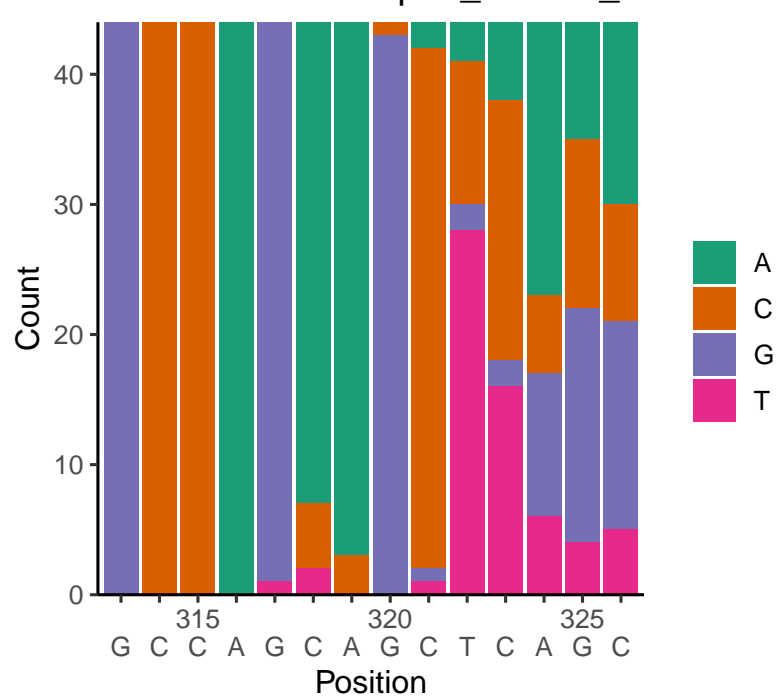


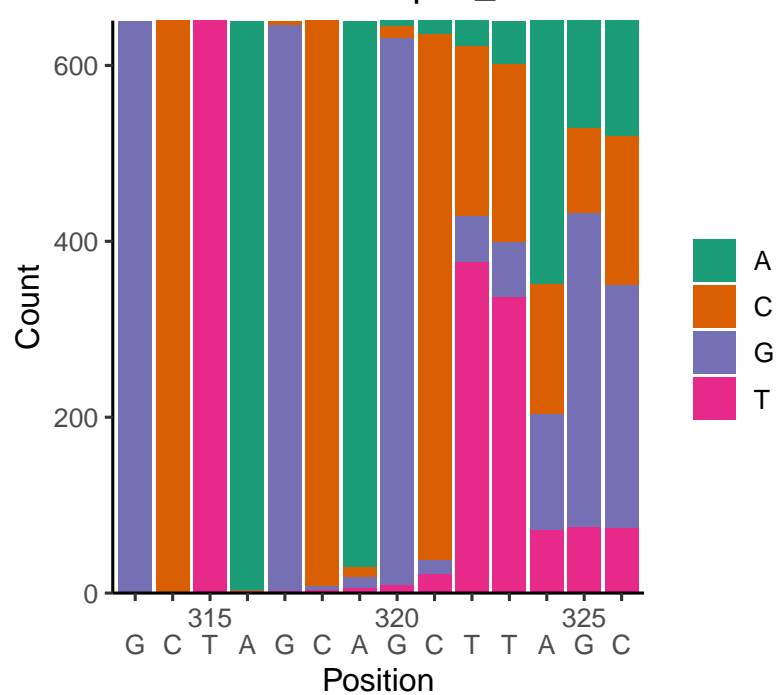
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



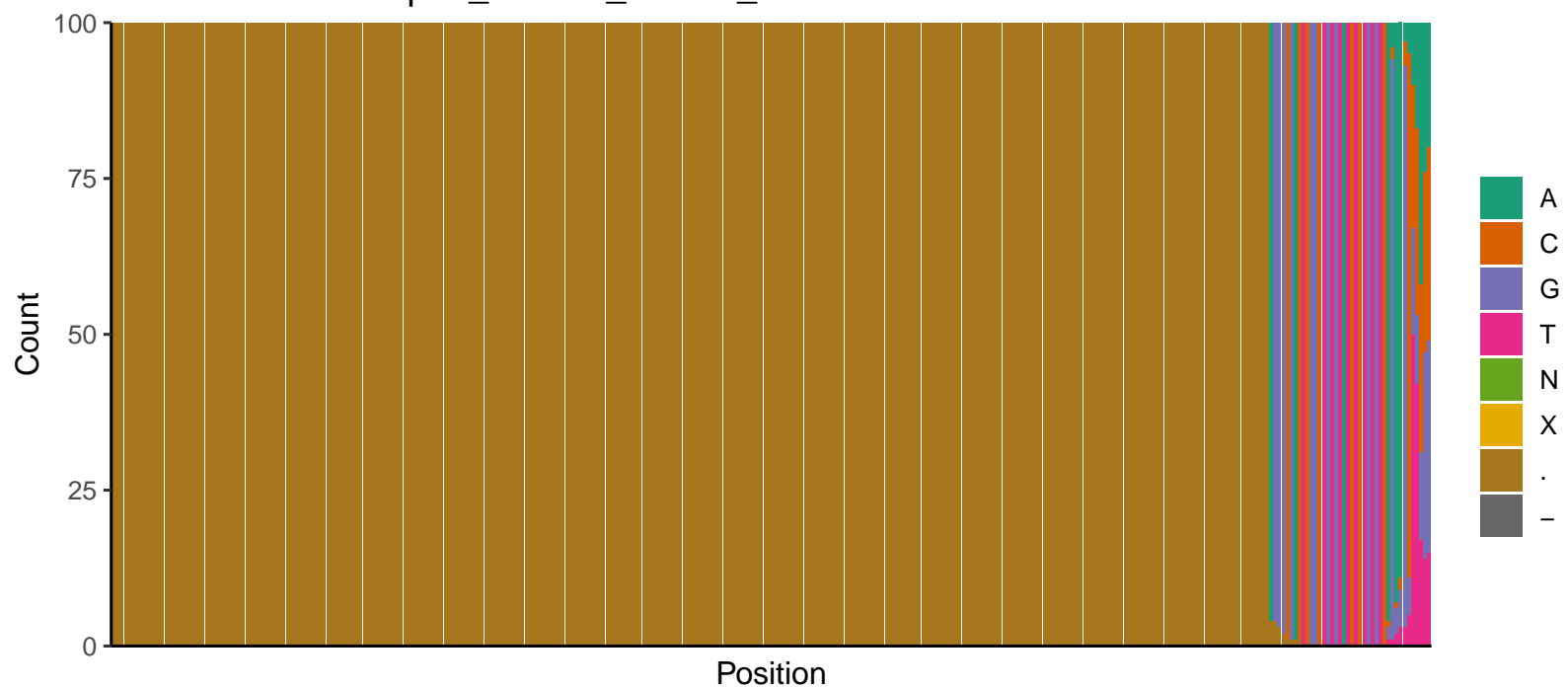
Gene TRBV7-1\*ap01\_G291C\_T296C



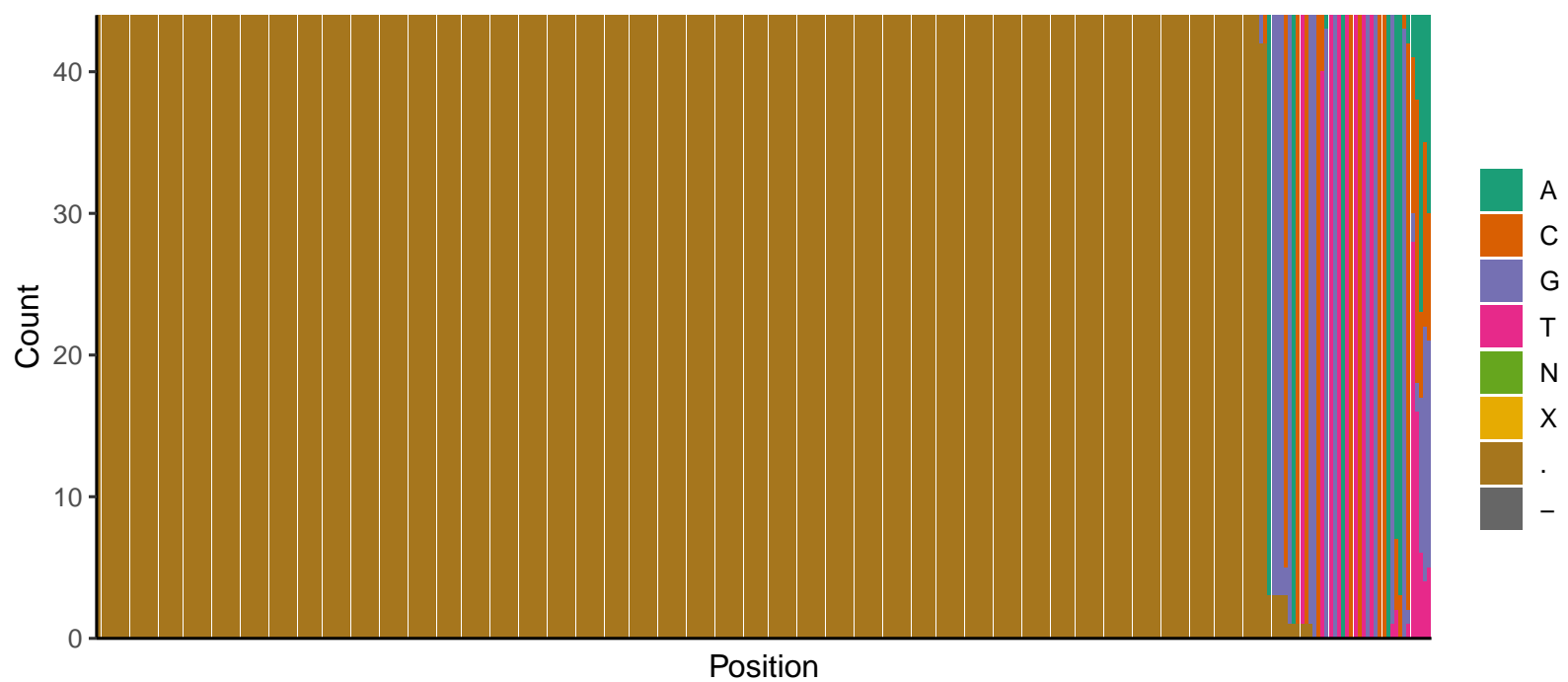
Gene TRBV7-7\*ap01\_C315T



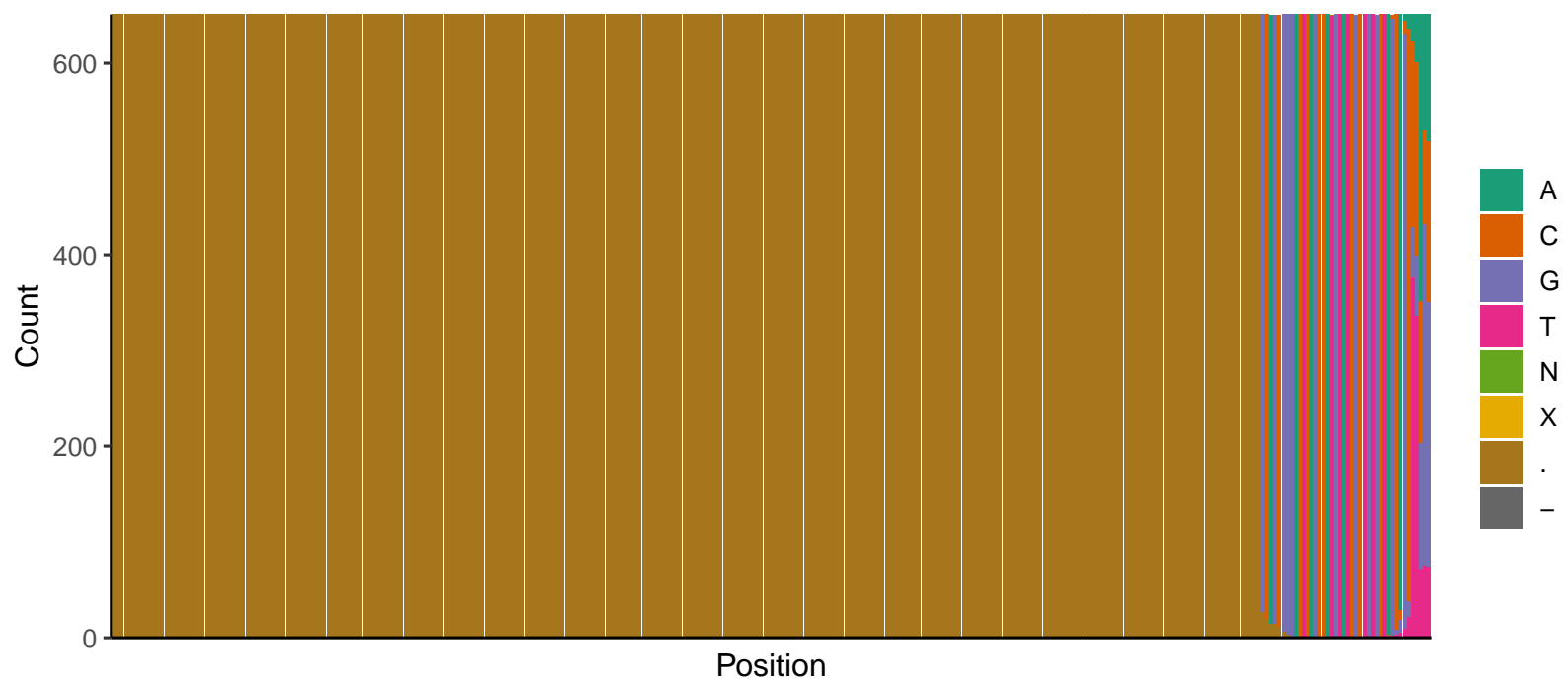
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



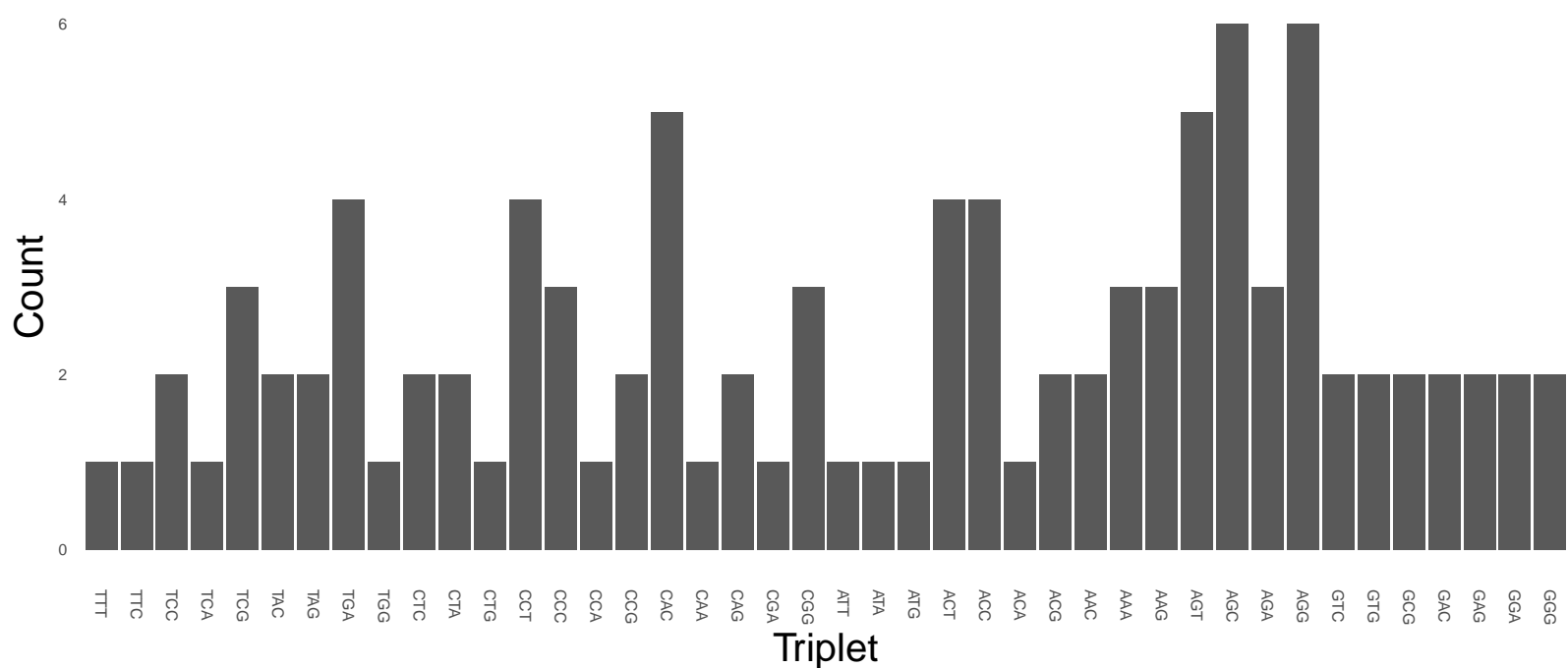
Gene TRBV7-1\*ap01\_G291C\_T296C



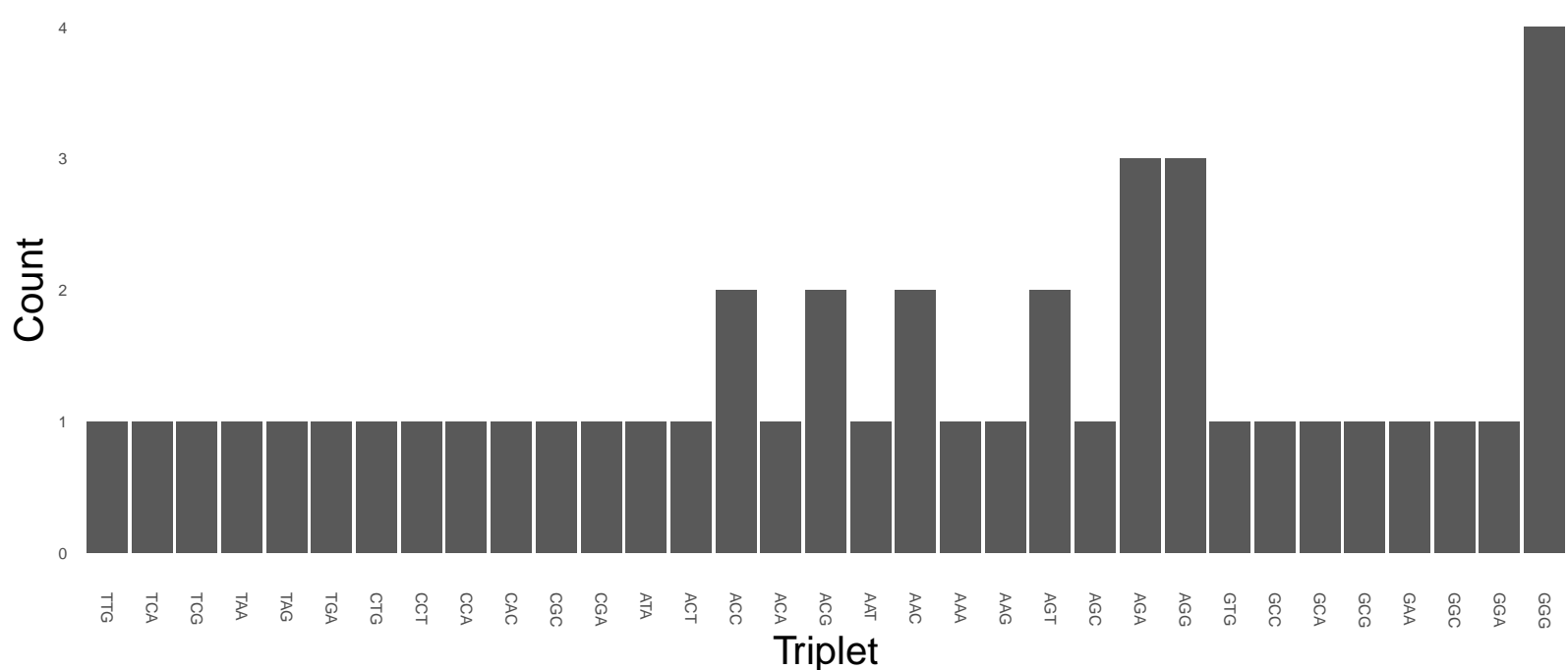
Gene TRBV7-7\*ap01\_C315T



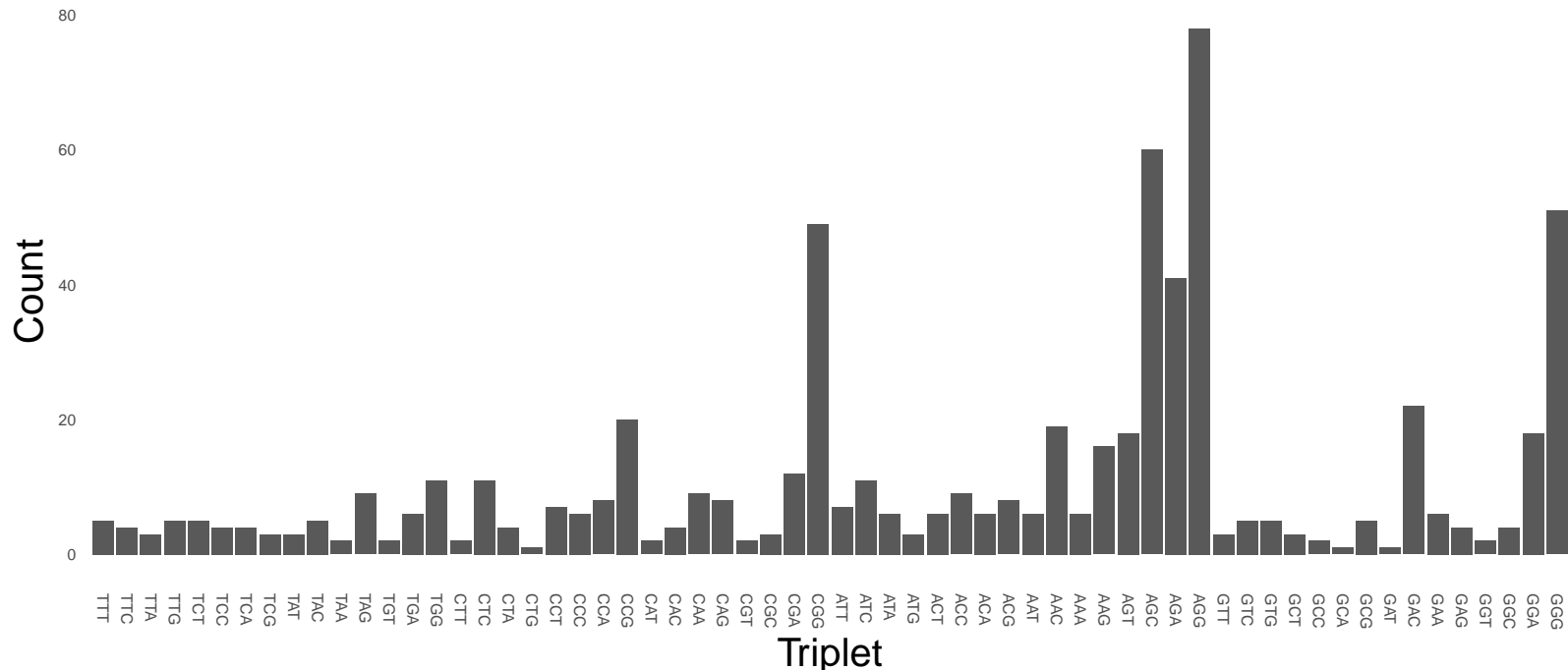
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

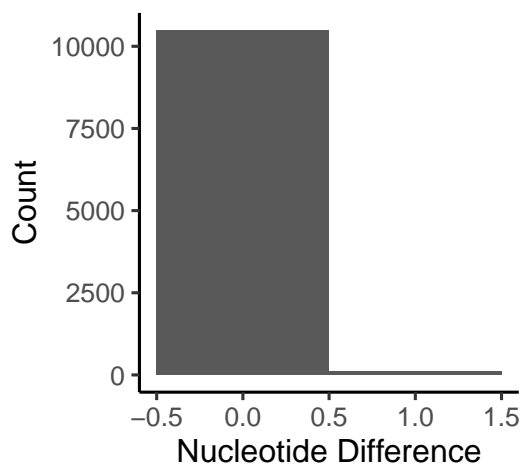


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



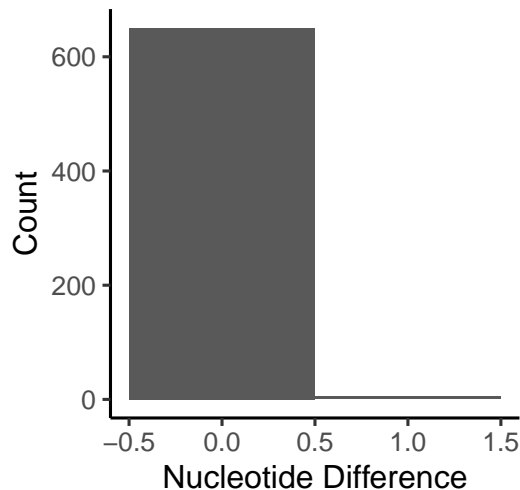
### TRBV20-1\*ap01

10596 sequences assigned  
10491 (99%) exact matches, in which:  
10373 unique CDR3  
13 unique J



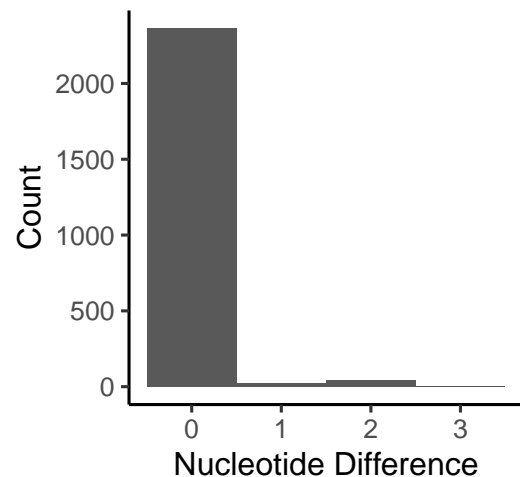
### TRBV10-2\*ap01

656 sequences assigned  
651 (99.2%) exact matches, in which:  
637 unique CDR3  
13 unique J



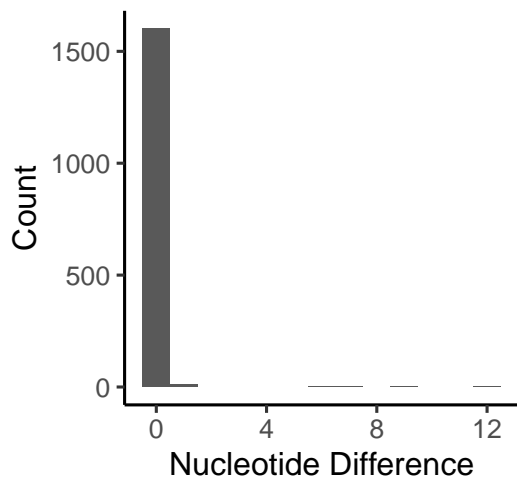
### TRBV13\*ap01

2429 sequences assigned  
2363 (97.3%) exact matches, in which:  
2303 unique CDR3  
13 unique J



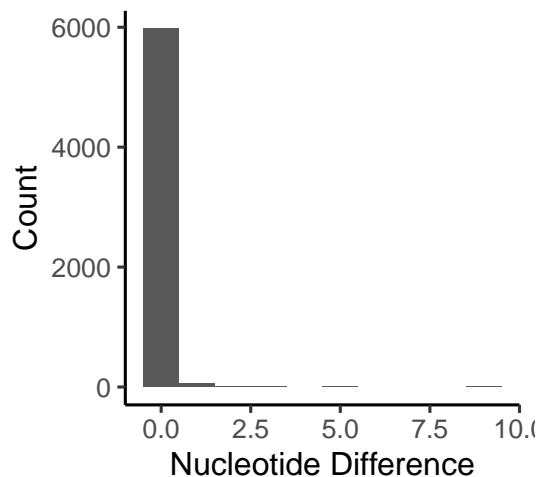
### TRBV10-1\*ap01

1618 sequences assigned  
1601 (98.9%) exact matches, in which:  
1568 unique CDR3  
13 unique J



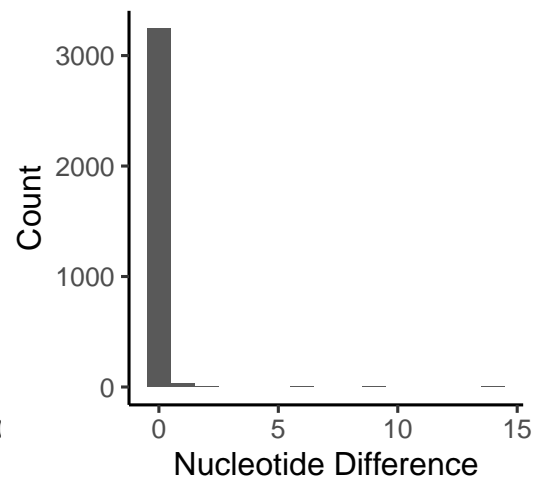
### TRBV10-3\*ap01

6041 sequences assigned  
5975 (98.9%) exact matches, in which:  
5861 unique CDR3  
13 unique J



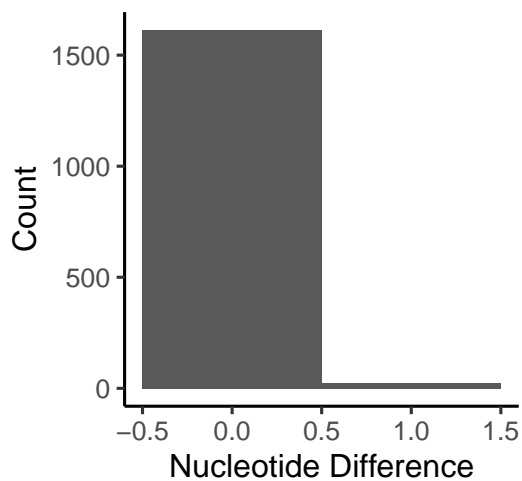
### TRBV14\*ap01

3279 sequences assigned  
3243 (98.9%) exact matches, in which:  
3200 unique CDR3  
13 unique J



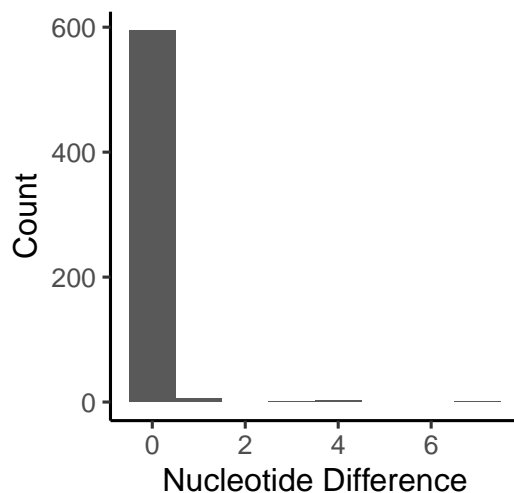
### TRBV20-1\*ap02

1636 sequences assigned  
1613 (98.6%) exact matches, in which:  
1604 unique CDR3  
13 unique J



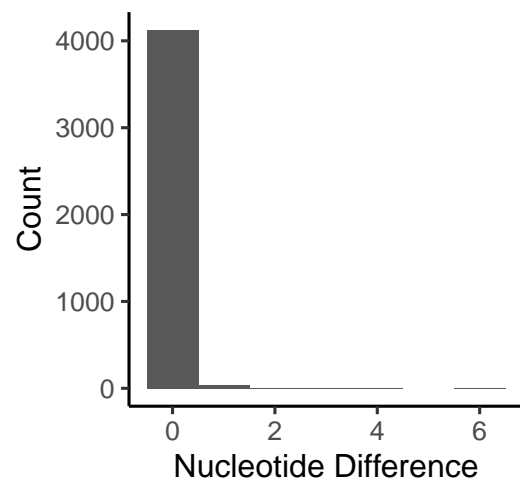
### TRBV1\*ap01

605 sequences assigned  
595 (98.3%) exact matches, in which:  
590 unique CDR3  
13 unique J



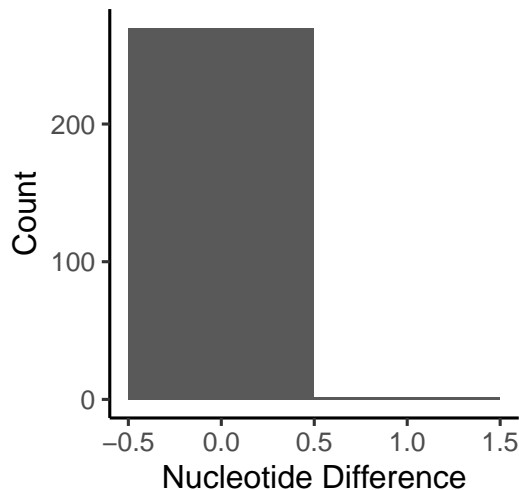
### TRBV15\*ap02

4166 sequences assigned  
4124 (99%) exact matches, in which:  
4062 unique CDR3  
13 unique J



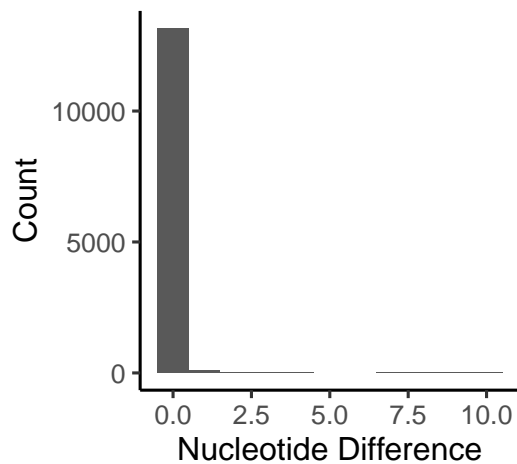
### TRBV16\*ap01

272 sequences assigned  
270 (99.3%) exact matches, in which:  
269 unique CDR3  
12 unique J



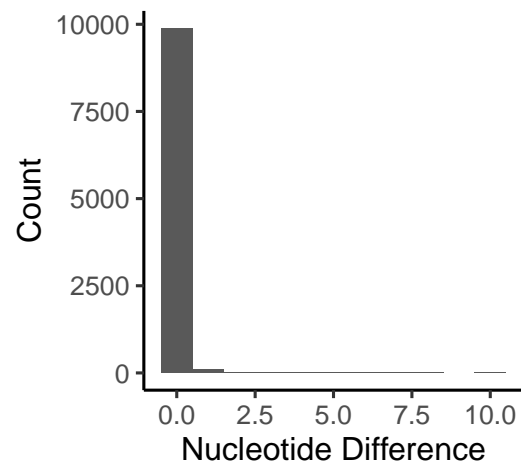
### TRBV19\*ap01

13293 sequences assigned  
13165 (99%) exact matches, in which:  
13063 unique CDR3  
13 unique J



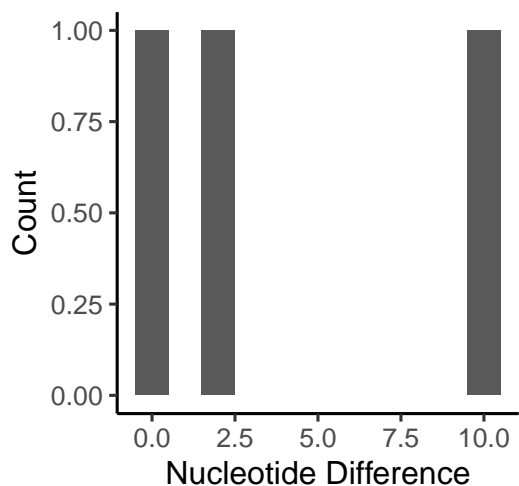
### TRBV27\*ap01

10001 sequences assigned  
9889 (98.9%) exact matches, in which:  
9692 unique CDR3  
13 unique J



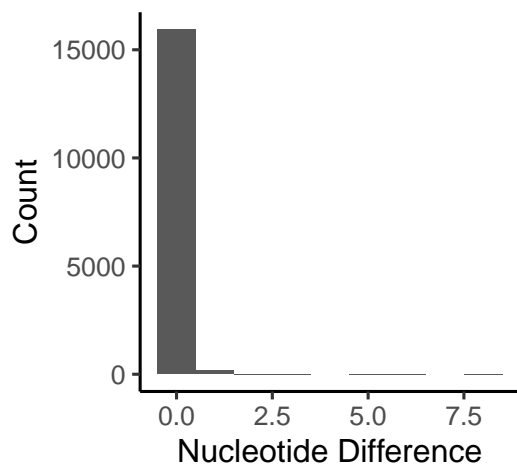
### TRBV17\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



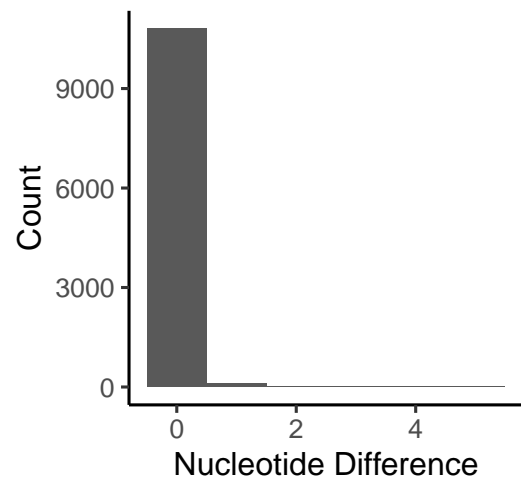
### TRBV2\*ap01

16125 sequences assigned  
15938 (98.8%) exact matches, in which:  
15660 unique CDR3  
13 unique J



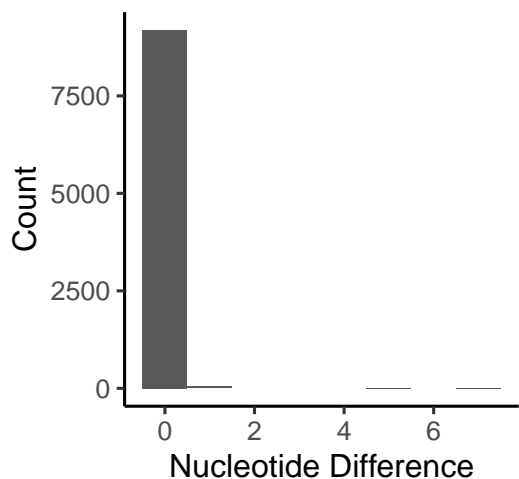
### TRBV28\*ap01

10908 sequences assigned  
10804 (99%) exact matches, in which:  
10636 unique CDR3  
13 unique J



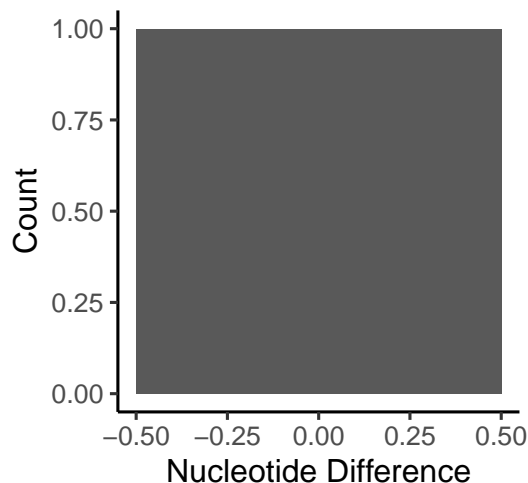
### TRBV18\*ap01

9239 sequences assigned  
9189 (99.5%) exact matches, in which:  
9101 unique CDR3  
13 unique J



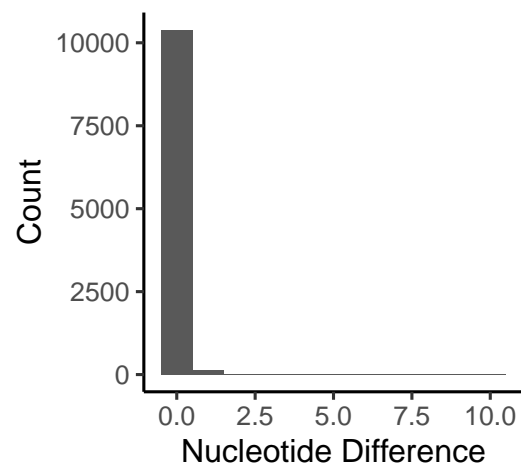
### TRBV26\*ap01

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



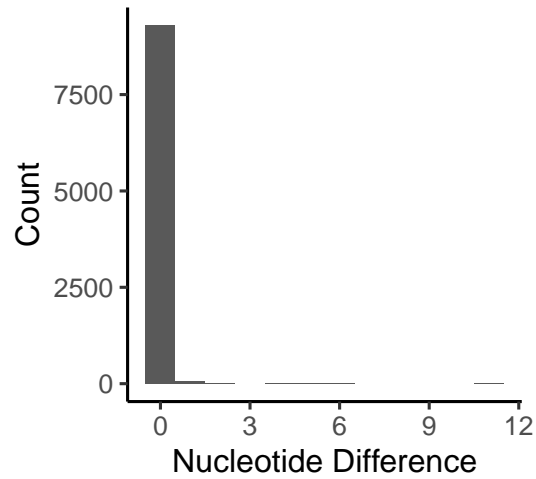
### TRBV30\*ap01

10564 sequences assigned  
10392 (98.4%) exact matches, in which:  
10276 unique CDR3  
13 unique J



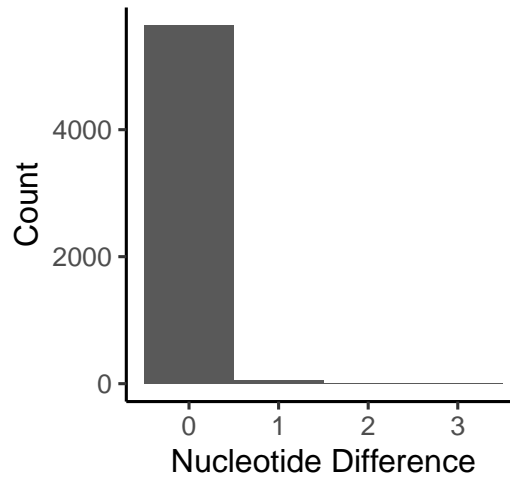
### TRBV9\*ap01

9378 sequences assigned  
9295 (99.1%) exact matches, in which:  
9182 unique CDR3  
13 unique J



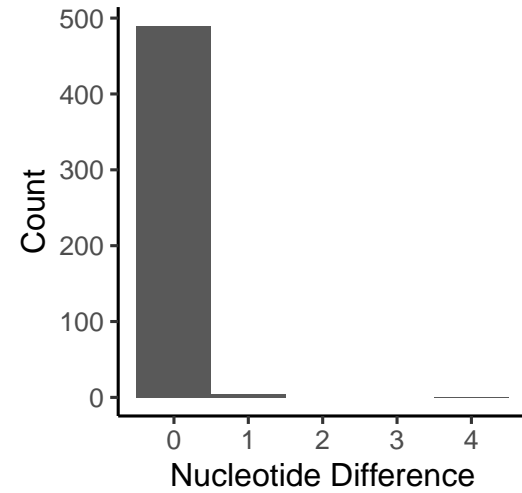
### TRBV11-2\*ap01

5708 sequences assigned  
5642 (98.8%) exact matches, in which:  
5567 unique CDR3  
13 unique J



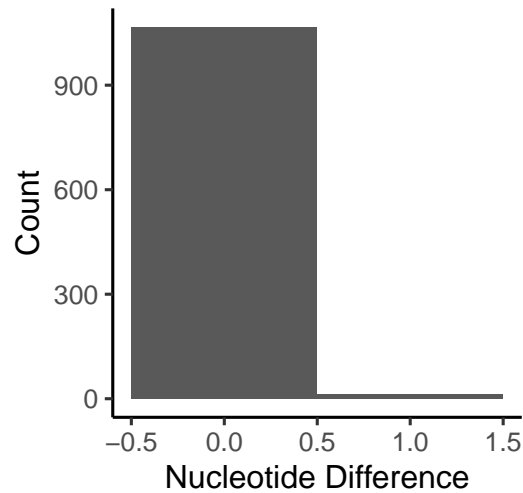
### TRBV12-2\*ap01

495 sequences assigned  
490 (99%) exact matches, in which:  
480 unique CDR3  
13 unique J



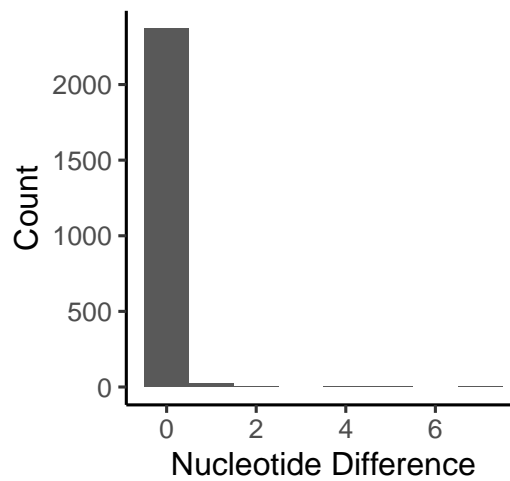
### TRBV11-1\*ap01

1080 sequences assigned  
1067 (98.8%) exact matches, in which:  
1054 unique CDR3  
13 unique J



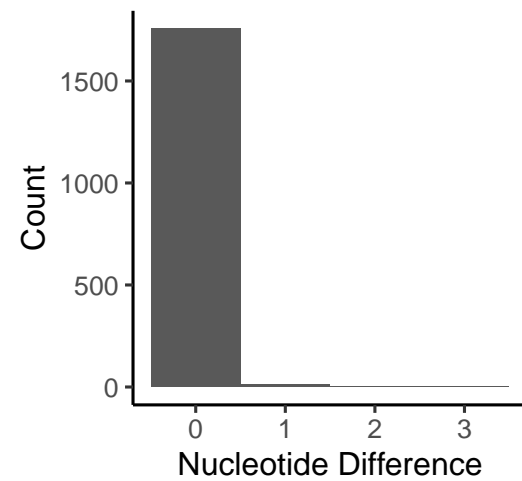
### TRBV11-3\*ap01

2398 sequences assigned  
2369 (98.8%) exact matches, in which:  
2346 unique CDR3  
13 unique J



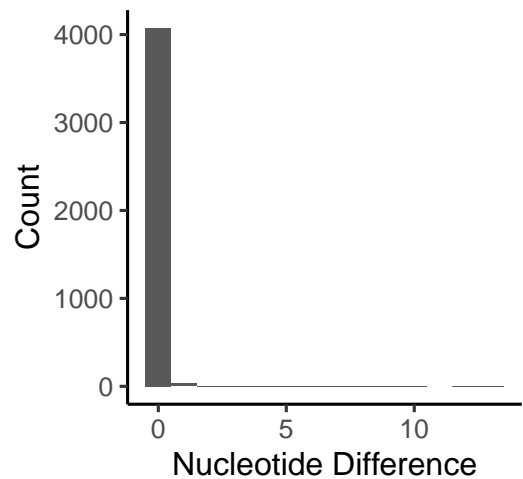
### TRBV12-5\*ap01

1770 sequences assigned  
1756 (99.2%) exact matches, in which:  
1734 unique CDR3  
13 unique J



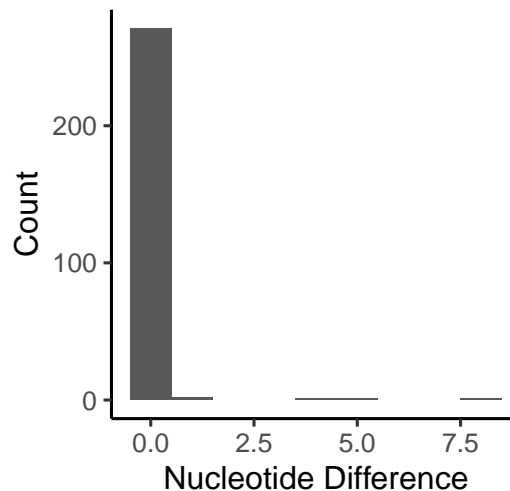
### TRBV21-1\*ap01

4138 sequences assigned  
4074 (98.5%) exact matches, in which:  
4027 unique CDR3  
13 unique J



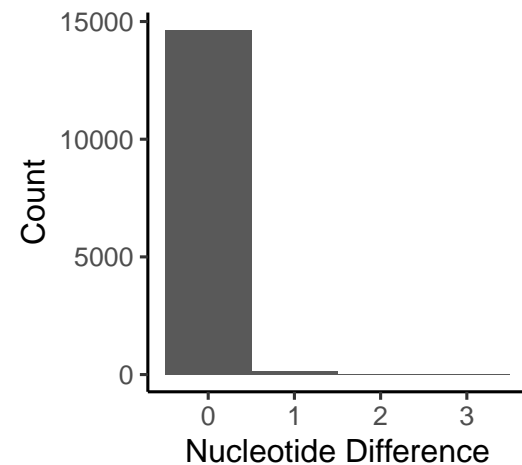
### TRBV12-1\*ap01

276 sequences assigned  
271 (98.2%) exact matches, in which:  
270 unique CDR3  
13 unique J



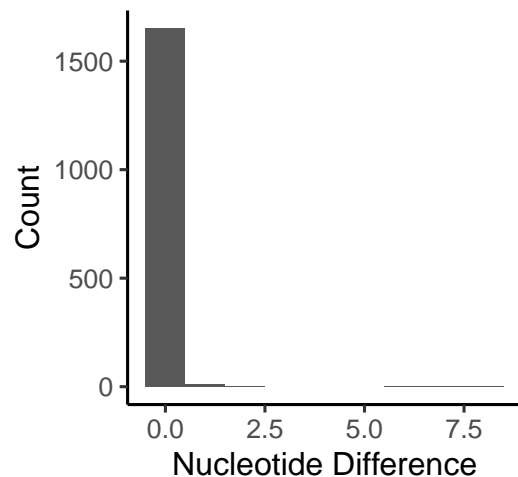
### TRBV12-34\*ap01

14799 sequences assigned  
14649 (99%) exact matches, in which:  
14428 unique CDR3  
13 unique J



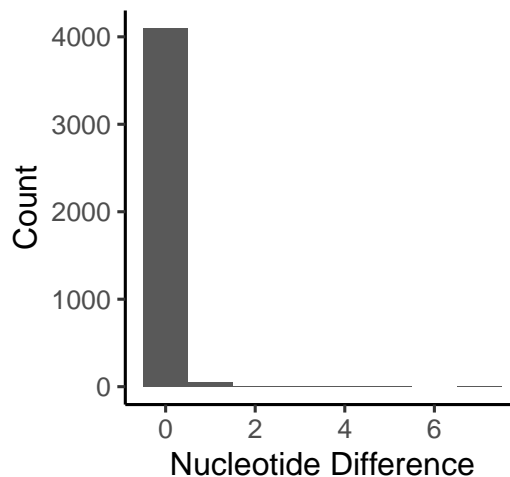
### TRBV23-1\*ap01

1670 sequences assigned  
1651 (98.9%) exact matches, in which:  
1631 unique CDR3  
13 unique J



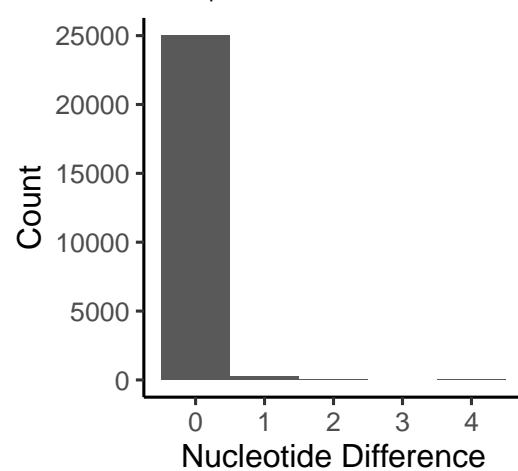
### TRBV24-1\*ap01

4158 sequences assigned  
4096 (98.5%) exact matches, in which:  
4049 unique CDR3  
13 unique J



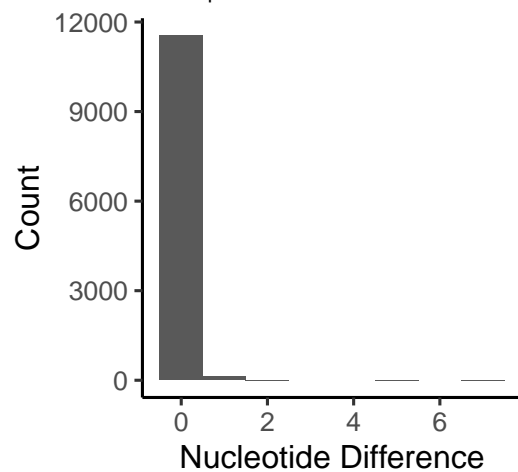
### TRBV5-1\*ap01

25280 sequences assigned  
25035 (99%) exact matches, in which:  
24542 unique CDR3  
13 unique J



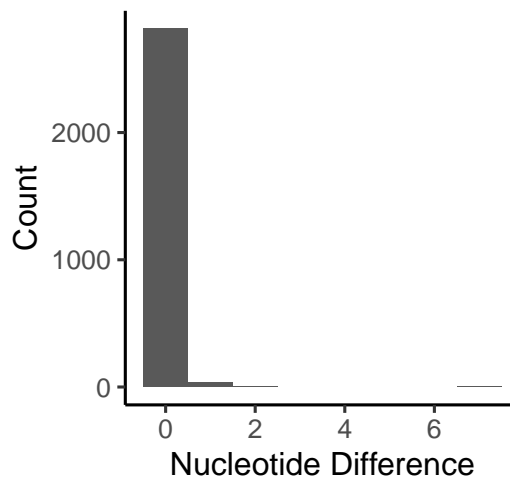
### TRBV3-12\*ap01

11677 sequences assigned  
11549 (98.9%) exact matches, in which:  
11362 unique CDR3  
13 unique J



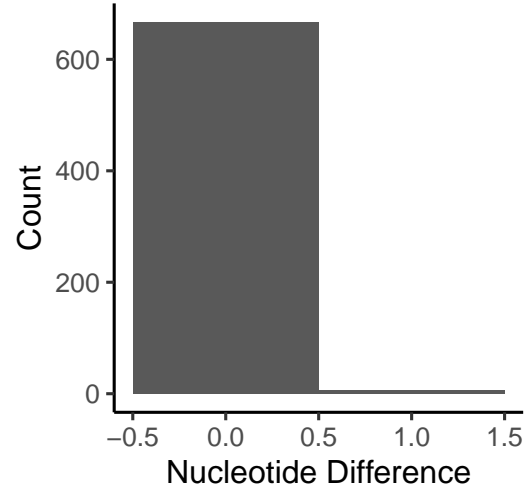
### TRBV4-2\*ap01

2854 sequences assigned  
2816 (98.7%) exact matches, in which:  
2764 unique CDR3  
13 unique J



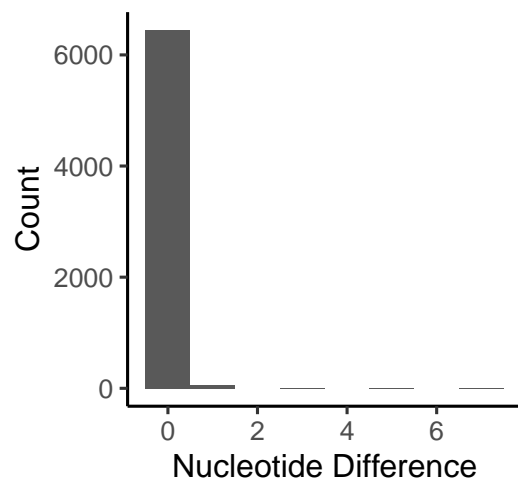
### TRBV5-3\*ap01

674 sequences assigned  
667 (99%) exact matches, in which:  
657 unique CDR3  
13 unique J



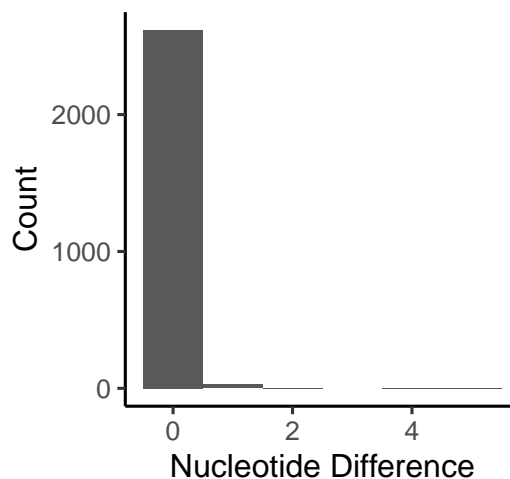
### TRBV4-1\*ap01

6511 sequences assigned  
6447 (99%) exact matches, in which:  
6336 unique CDR3  
13 unique J



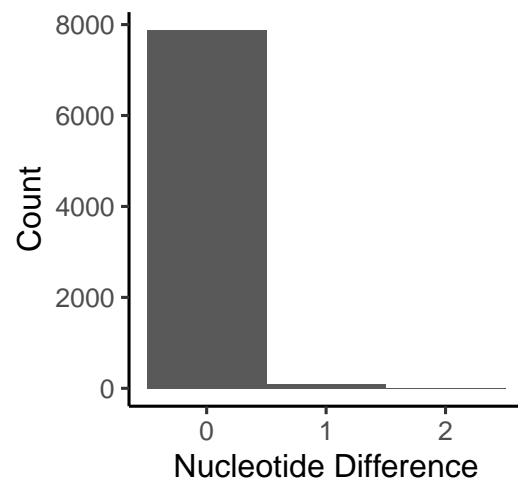
### TRBV25-1\*ap01

2649 sequences assigned  
2618 (98.8%) exact matches, in which:  
2573 unique CDR3  
13 unique J



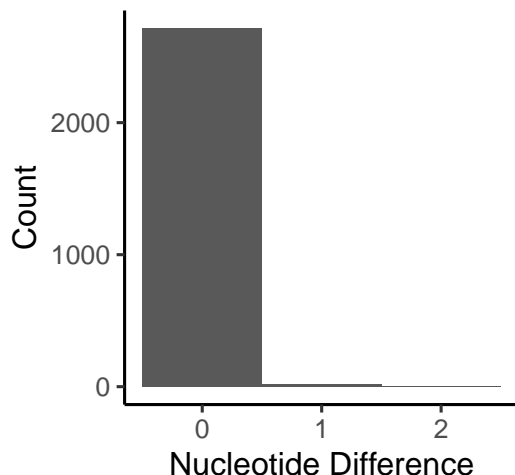
### TRBV5-4\*ap01

7974 sequences assigned  
7880 (98.8%) exact matches, in which:  
7736 unique CDR3  
13 unique J



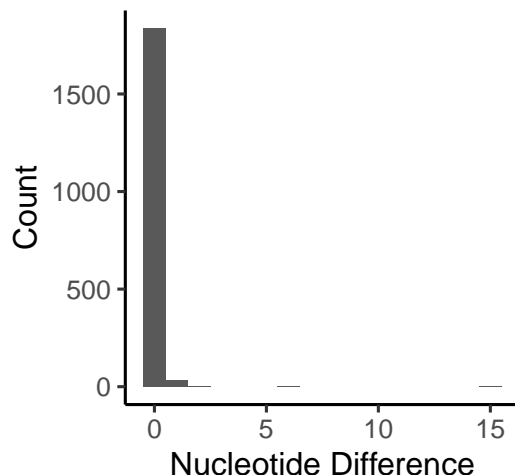
### TRBV5-5\*ap01

2736 sequences assigned  
2714 (99.2%) exact matches, in which:  
2684 unique CDR3  
13 unique J



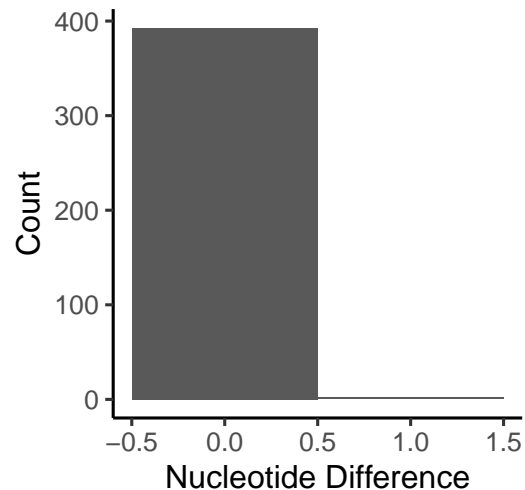
### TRBV5-8\*ap01

1874 sequences assigned  
1836 (98%) exact matches, in which:  
1813 unique CDR3  
13 unique J



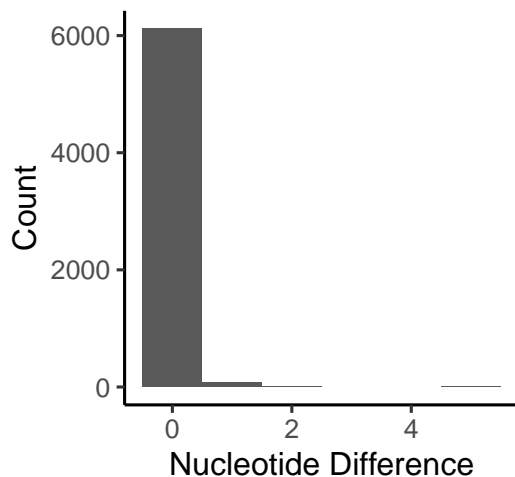
### TRBV6-7\*ap01

395 sequences assigned  
393 (99.5%) exact matches, in which:  
388 unique CDR3  
13 unique J



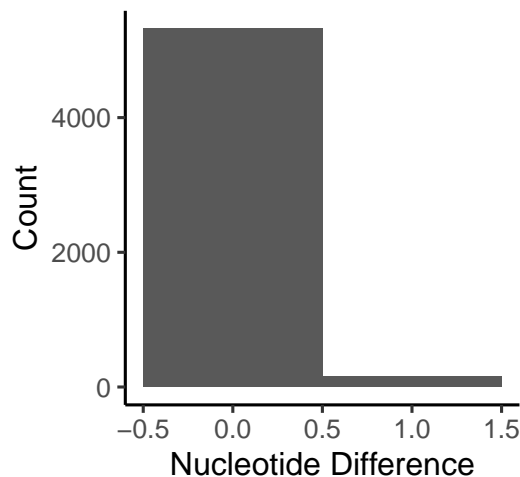
### TRBV5-6\*ap01

6189 sequences assigned  
6117 (98.8%) exact matches, in which:  
5964 unique CDR3  
13 unique J



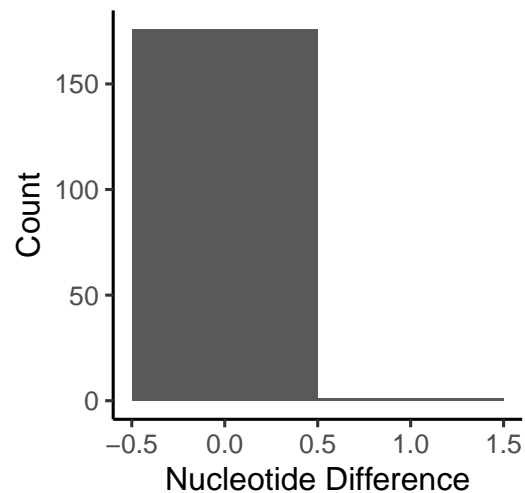
### TRBV6-1\*ap01

5479 sequences assigned  
5320 (97.1%) exact matches, in which:  
5232 unique CDR3  
13 unique J



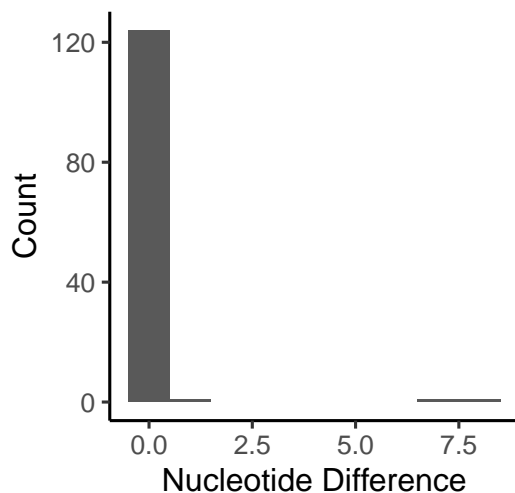
### TRBV6-8\*ap01

177 sequences assigned  
176 (99.4%) exact matches, in which:  
174 unique CDR3  
13 unique J



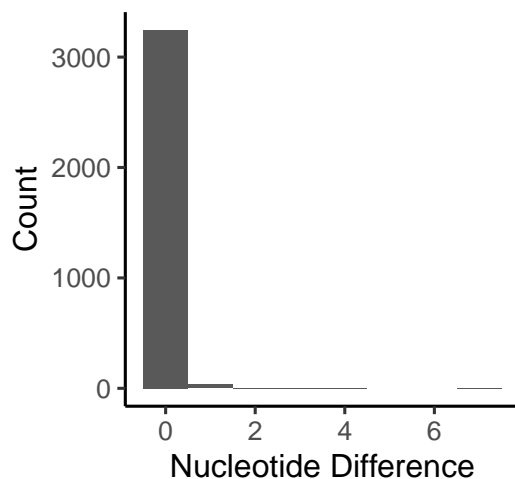
### TRBV5-7\*ap01

127 sequences assigned  
124 (97.6%) exact matches, in which:  
123 unique CDR3  
12 unique J



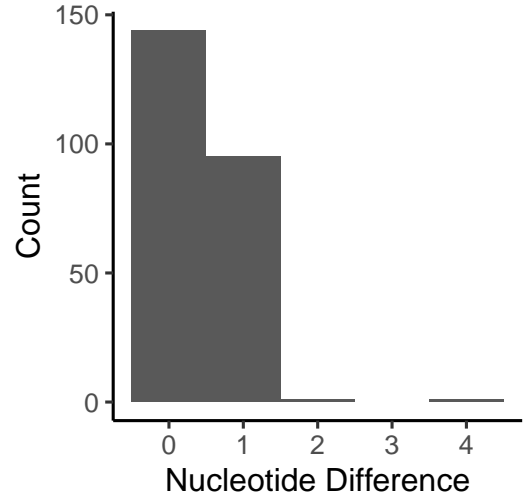
### TRBV6-4\*ap01

3292 sequences assigned  
3245 (98.6%) exact matches, in which:  
3212 unique CDR3  
13 unique J



### TRBV6-9\*ap01

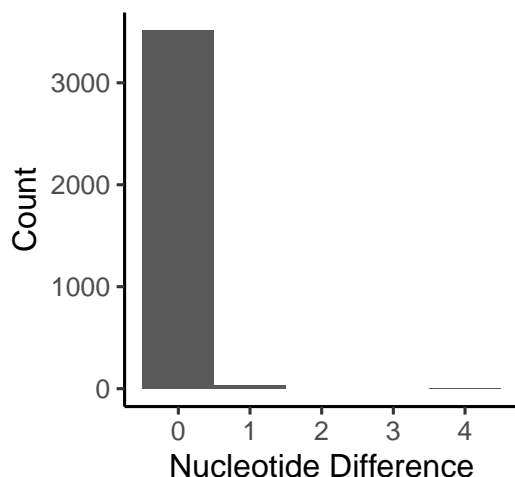
241 sequences assigned  
144 (59.8%) exact matches, in which:  
143 unique CDR3  
12 unique J





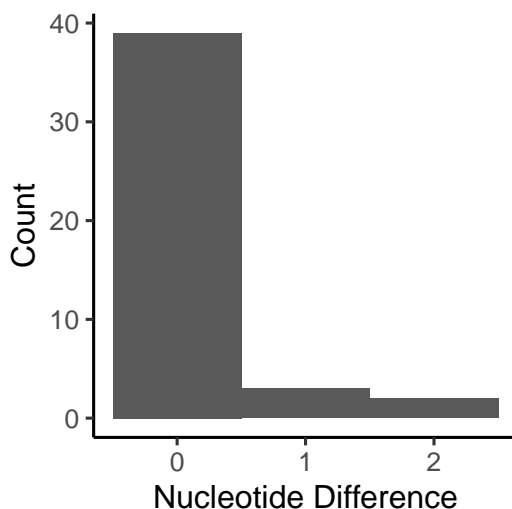
### TRBV6-23\*ap01

3553 sequences assigned  
3514 (98.9%) exact matches, in which:  
3464 unique CDR3  
13 unique J



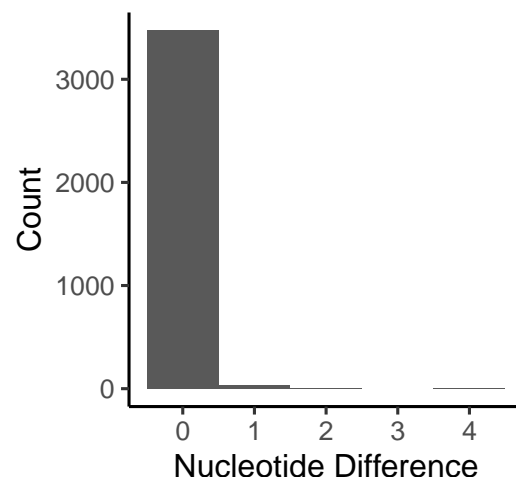
### TRBV7-1\*ap01\_G291C\_T

44 sequences assigned  
39 (88.6%) exact matches, in which:  
39 unique CDR3  
12 unique J



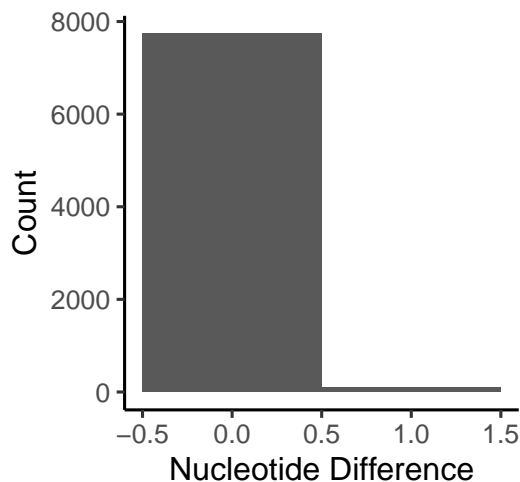
### TRBV7-3\*ap01

3510 sequences assigned  
3474 (99%) exact matches, in which:  
3444 unique CDR3  
13 unique J



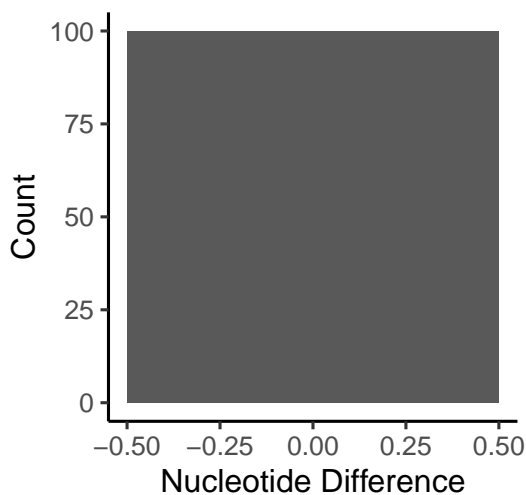
### TRBV6-56\*ap01

7829 sequences assigned  
7736 (98.8%) exact matches, in which:  
7567 unique CDR3  
13 unique J



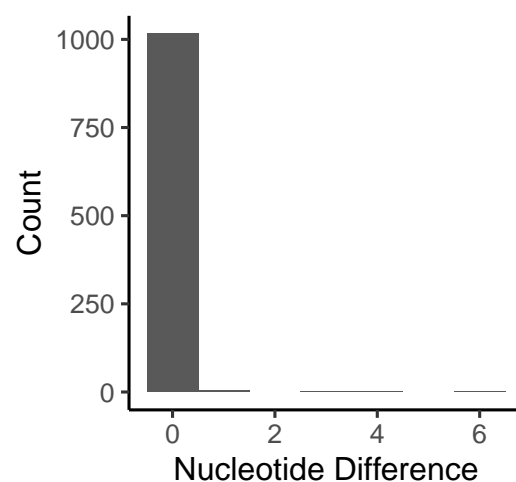
### TRBV7-1\*ap01\_G291C\_

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



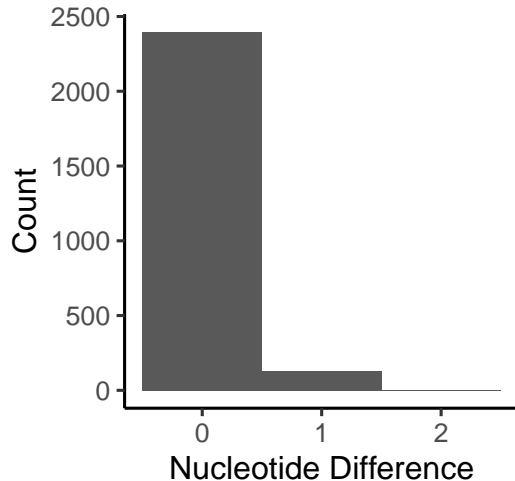
### TRBV7-3\*ap03

1024 sequences assigned  
1016 (99.2%) exact matches, in which:  
1002 unique CDR3  
13 unique J



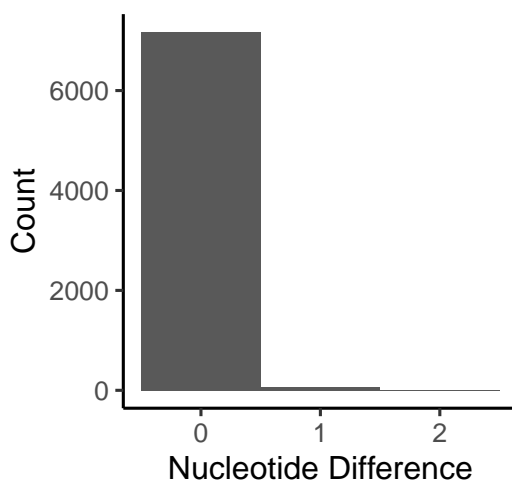
### TRBV6-56\*ap02

2527 sequences assigned  
2396 (94.8%) exact matches, in which:  
2364 unique CDR3  
13 unique J



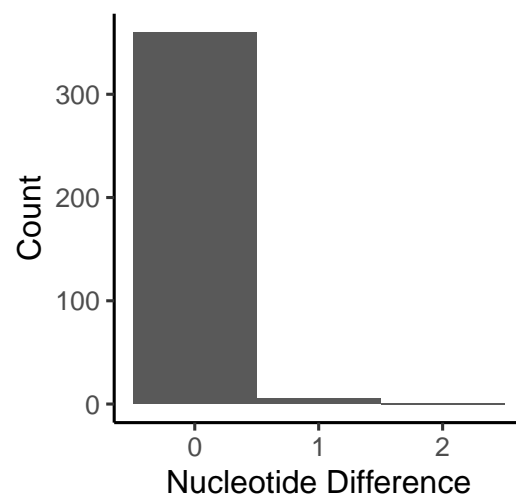
### TRBV7-2\*ap01

7236 sequences assigned  
7171 (99.1%) exact matches, in which:  
7086 unique CDR3  
13 unique J



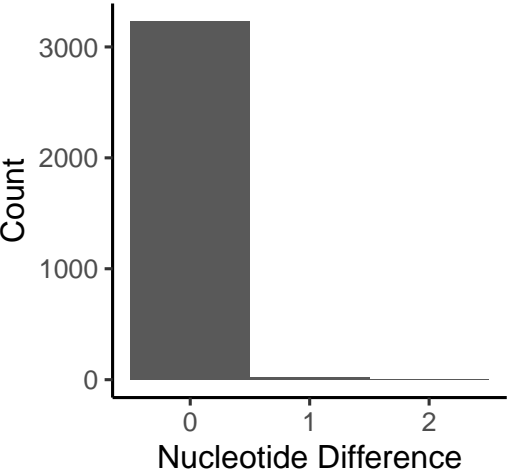
### TRBV7-4\*ap01

366 sequences assigned  
360 (98.4%) exact matches, in which:  
355 unique CDR3  
13 unique J



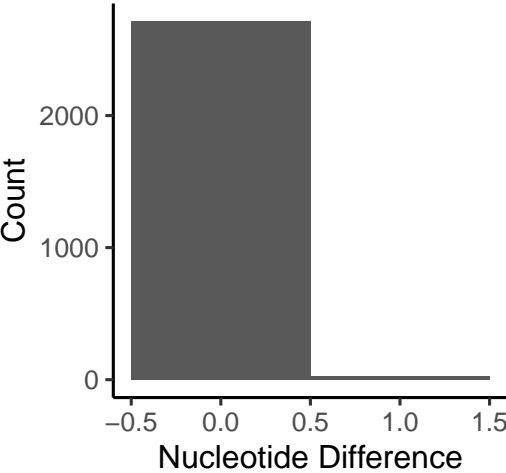
TRBV7-6\*ap01

3252 sequences assigned  
3230 (99.3%) exact matches, in which:  
3188 unique CDR3  
13 unique J



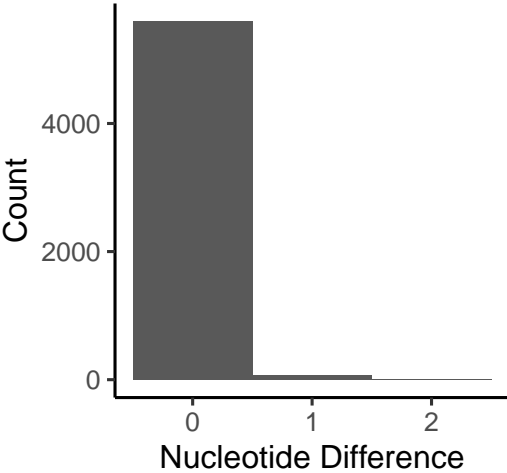
TRBV7-8\*ap01

2741 sequences assigned  
2713 (99%) exact matches, in which:  
2676 unique CDR3  
13 unique J



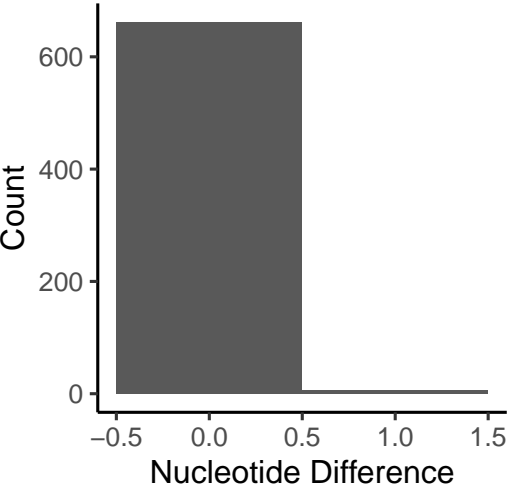
TRBV29-1\*ap01

5671 sequences assigned  
5594 (98.6%) exact matches, in which:  
5494 unique CDR3  
13 unique J



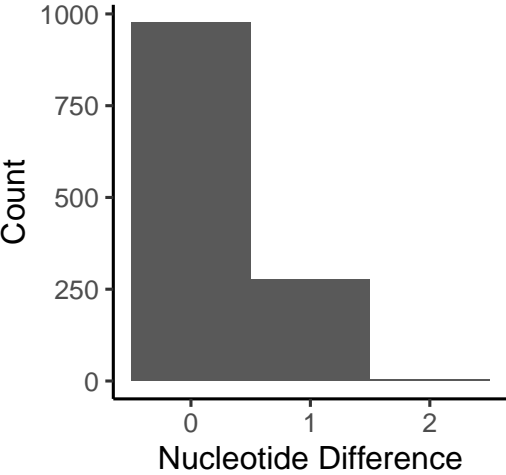
TRBV7-7\*ap01

668 sequences assigned  
662 (99.1%) exact matches, in which:  
647 unique CDR3  
13 unique J



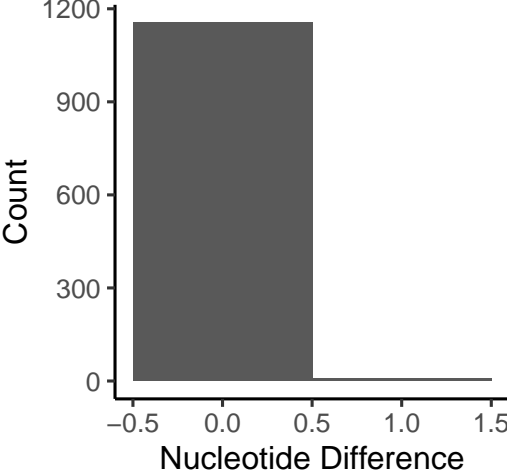
TRBV7-8\*ap03

1256 sequences assigned  
976 (77.7%) exact matches, in which:  
964 unique CDR3  
13 unique J



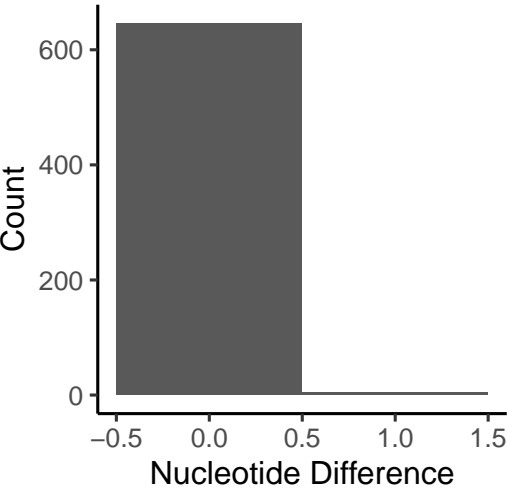
TRBV29-1\*ap02

1164 sequences assigned  
1155 (99.2%) exact matches, in which:  
1138 unique CDR3  
13 unique J



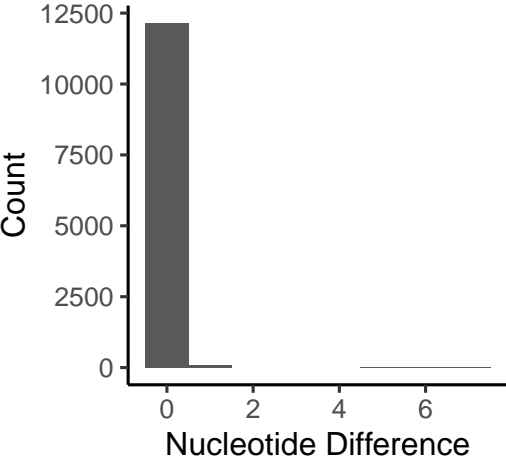
TRBV7-7\*ap01\_C315T

651 sequences assigned  
646 (99.2%) exact matches, in which:  
640 unique CDR3  
13 unique J

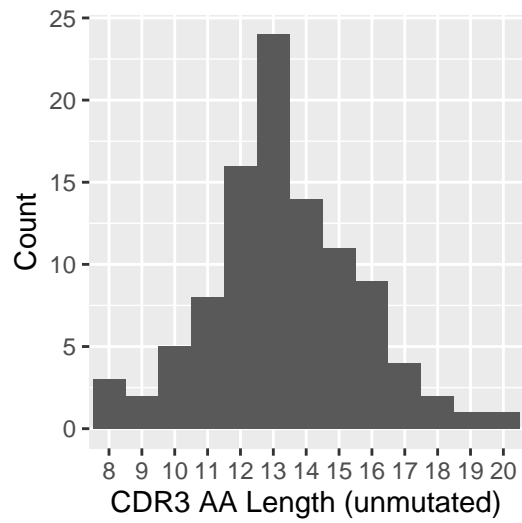


TRBV7-9\*ap01

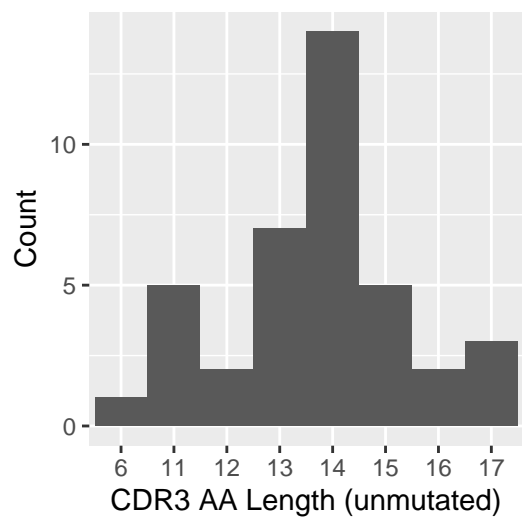
12263 sequences assigned  
12159 (99.2%) exact matches, in which:  
12021 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

