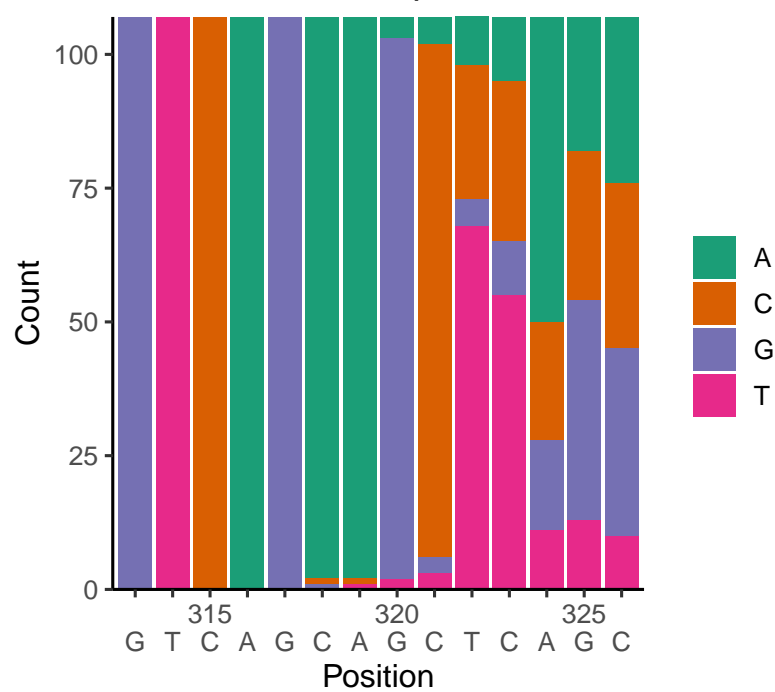
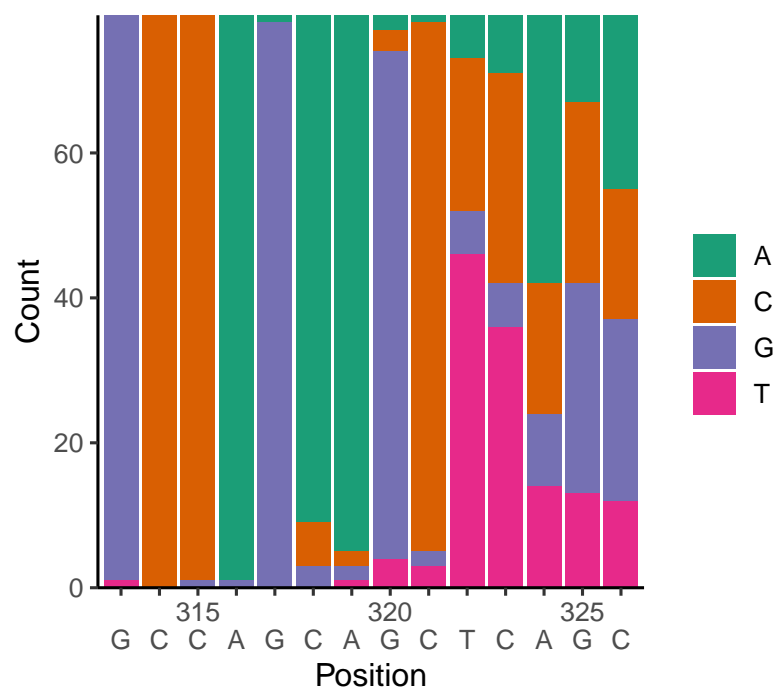


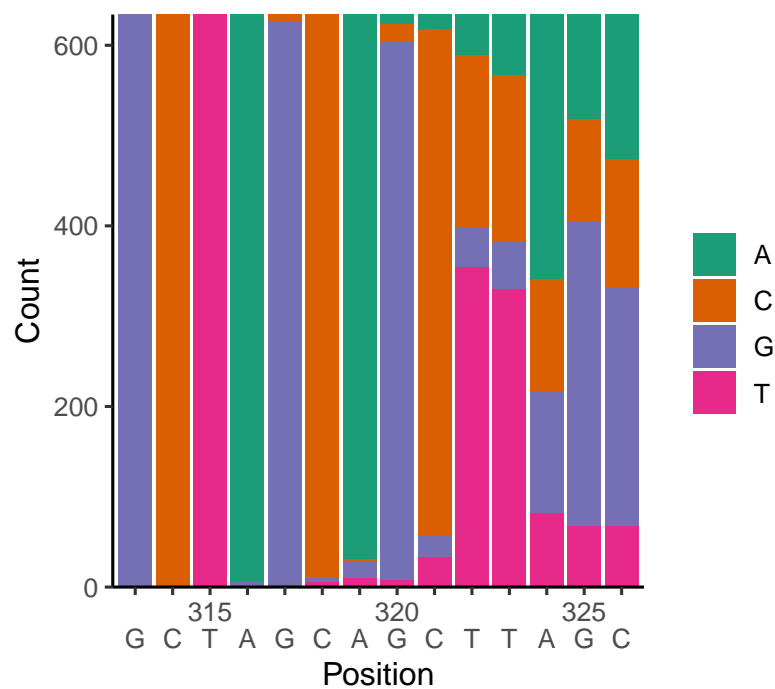
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



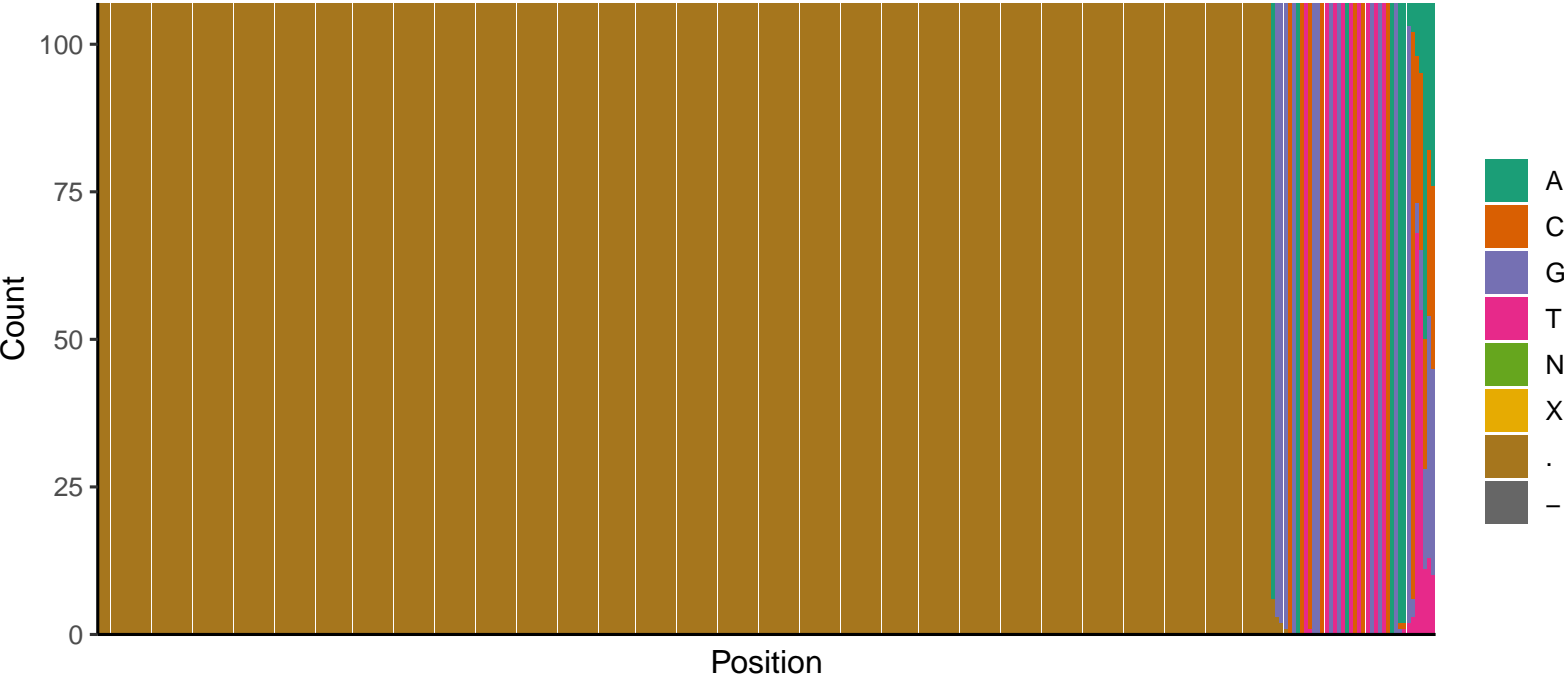
Gene TRBV7-1\*ap01\_G291C\_T296C



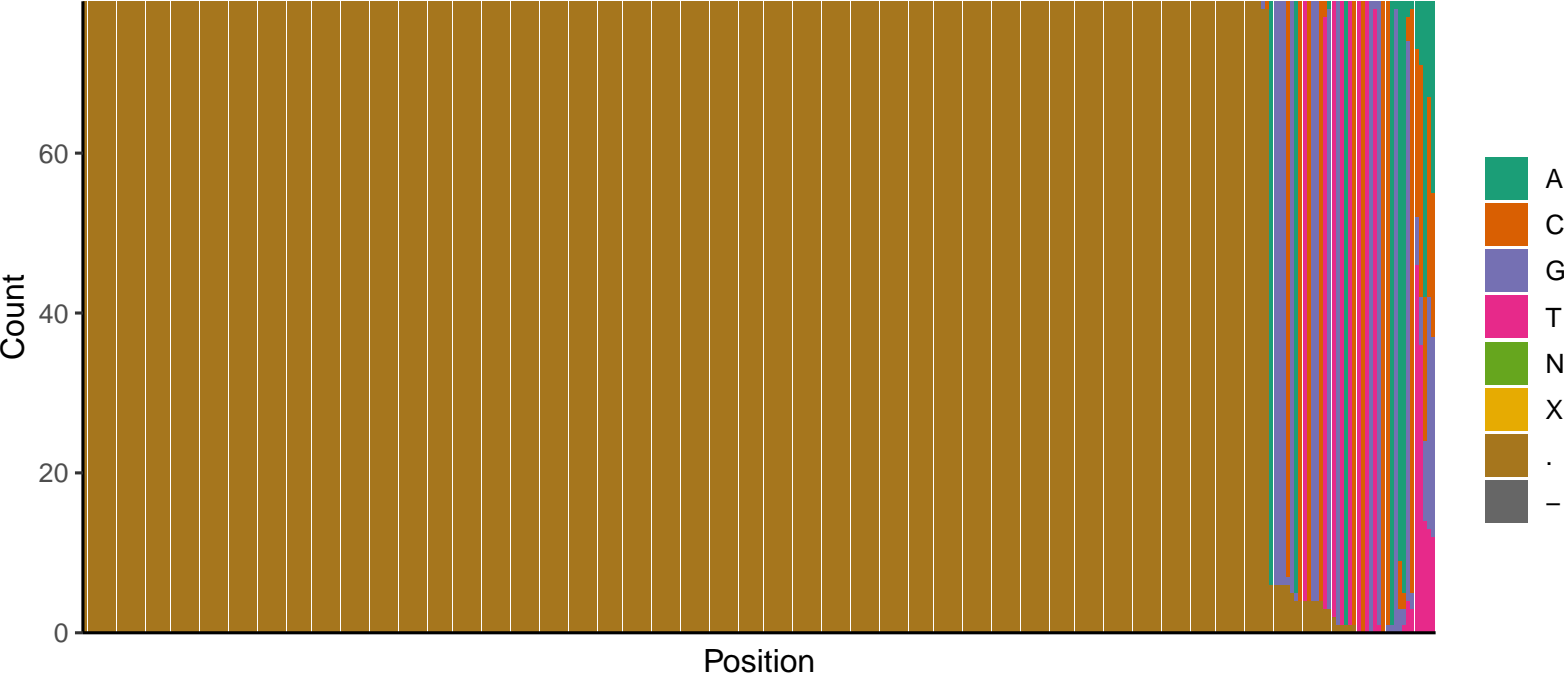
Gene TRBV7-7\*ap01\_C315T



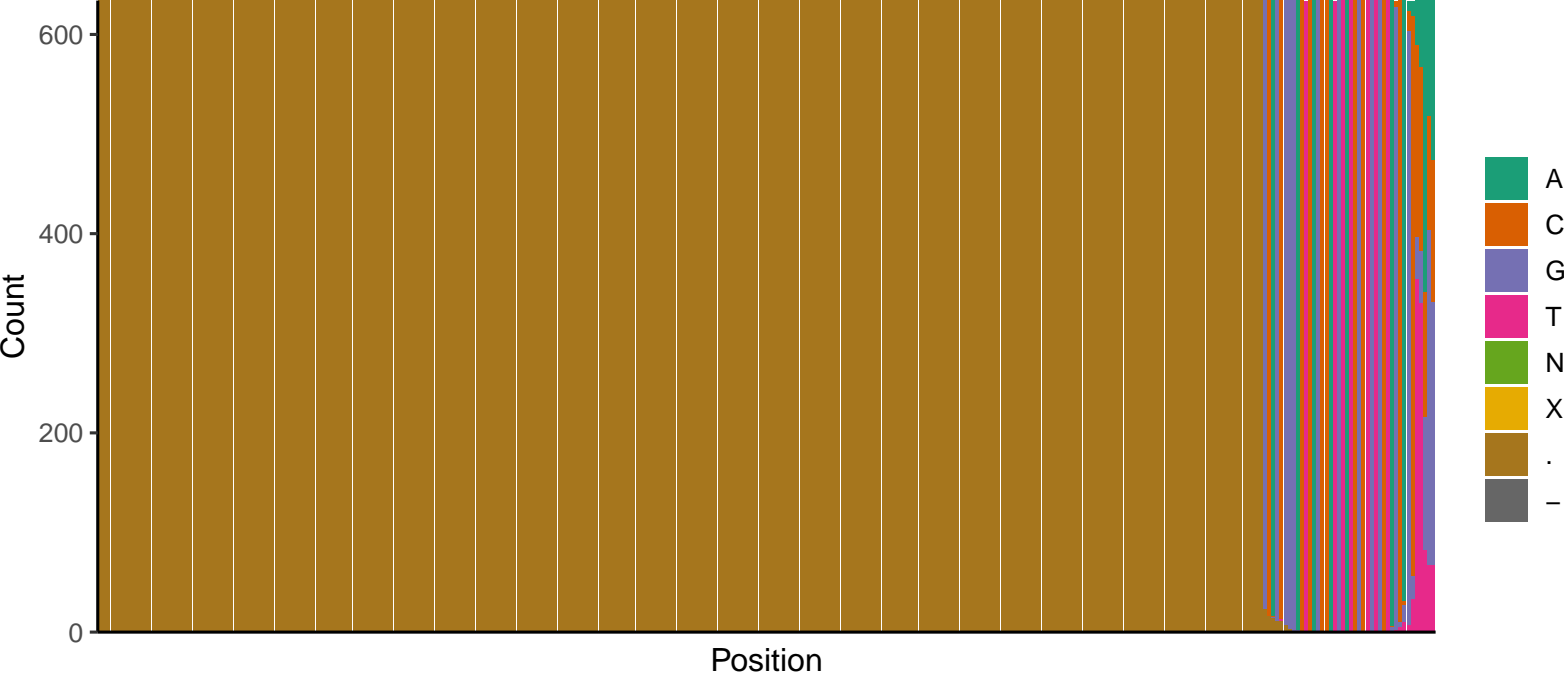
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



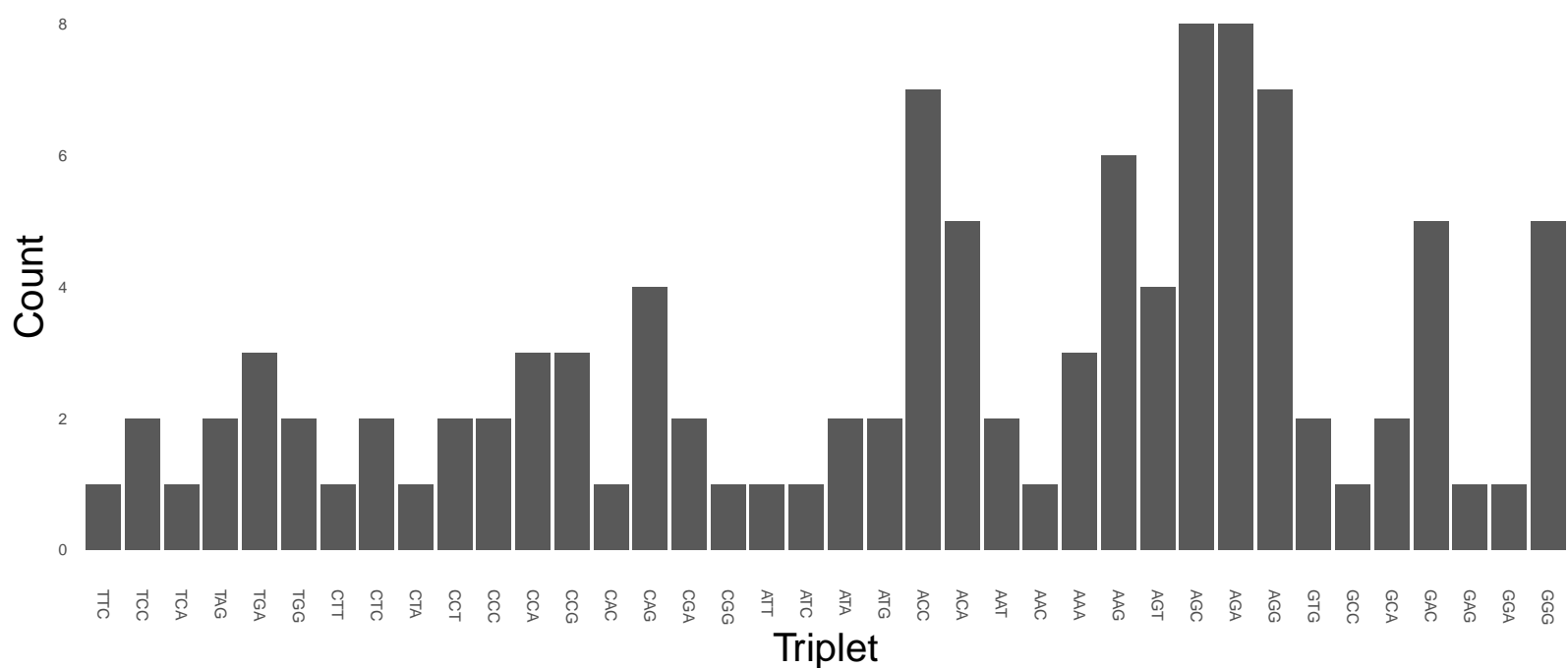
Gene TRBV7-1\*ap01\_G291C\_T296C



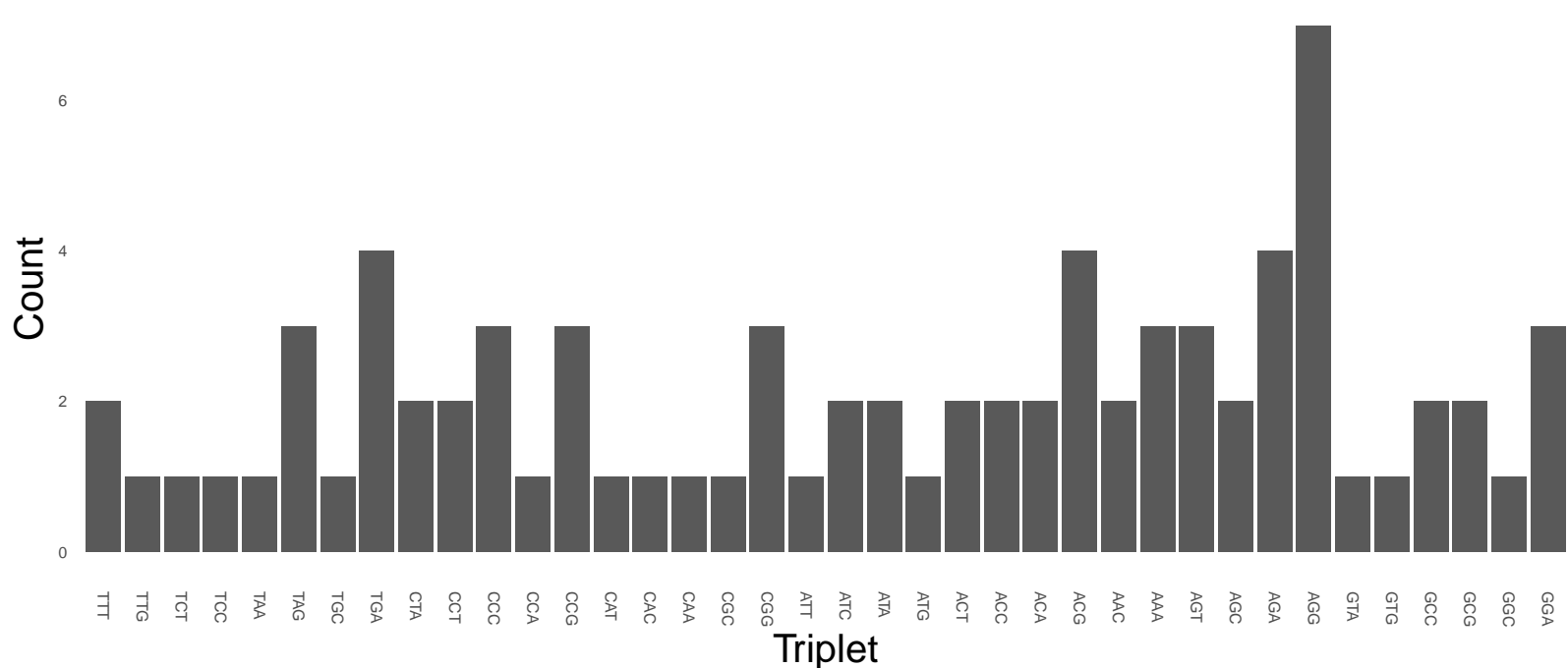
Gene TRBV7-7\*ap01\_C315T



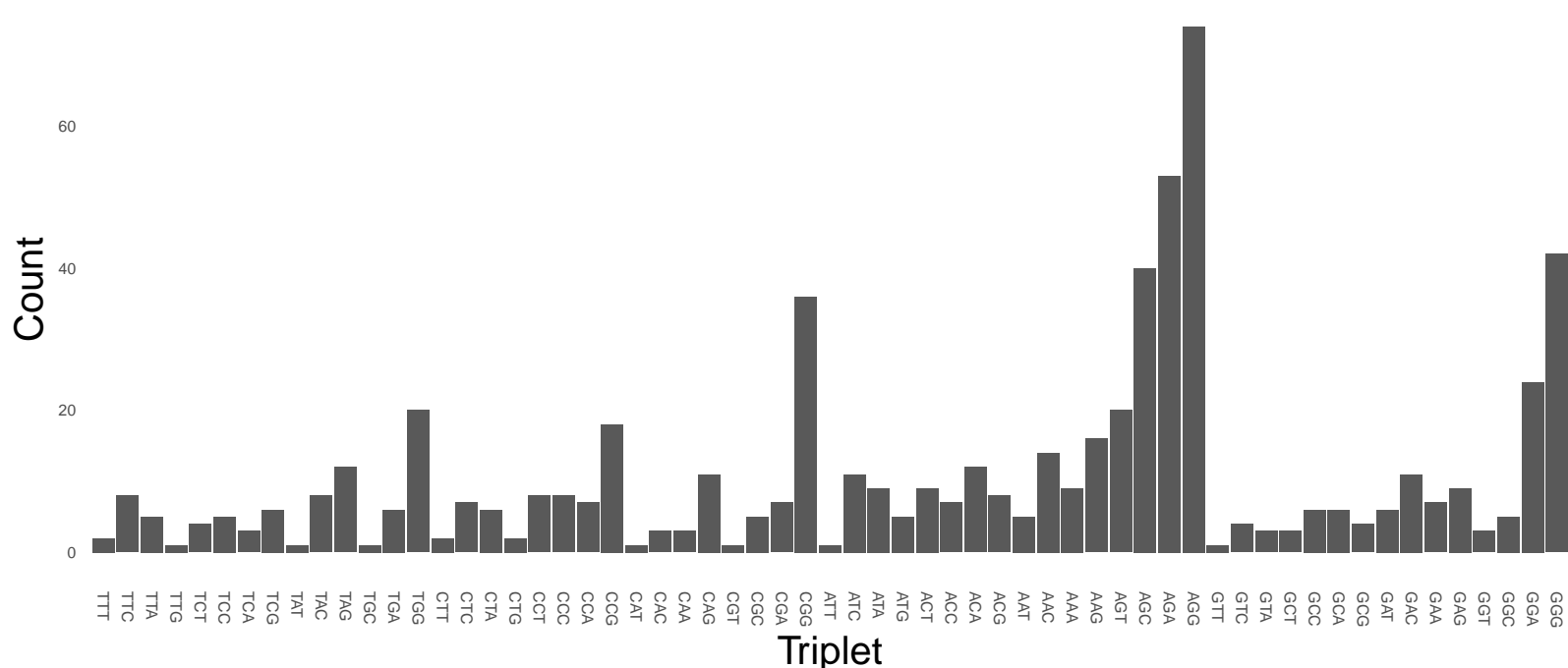
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

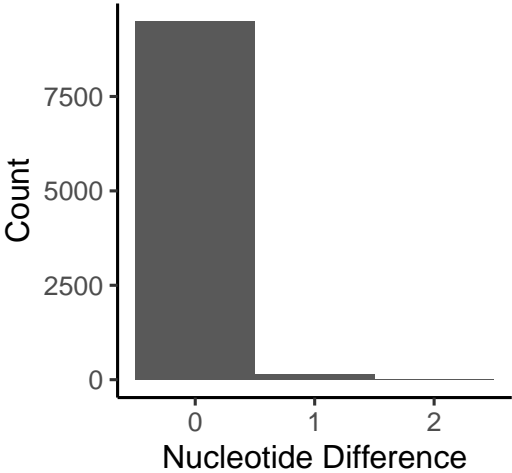


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



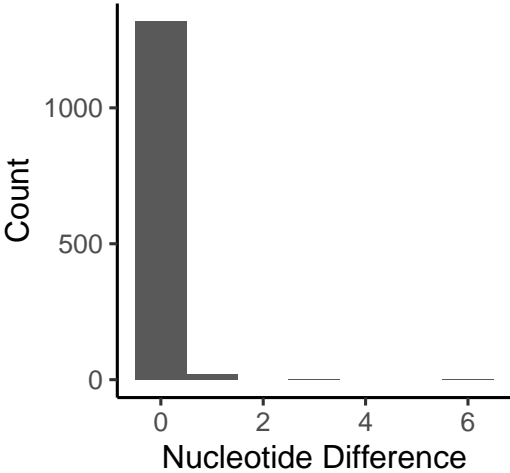
TRBV20-1\*ap01

9648 sequences assigned  
9488 (98.3%) exact matches, in which:  
9372 unique CDR3  
14 unique J



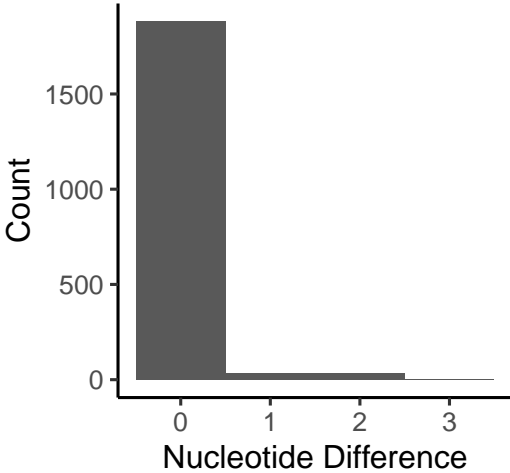
TRBV10-2\*ap01

1339 sequences assigned  
1318 (98.4%) exact matches, in which:  
1293 unique CDR3  
14 unique J



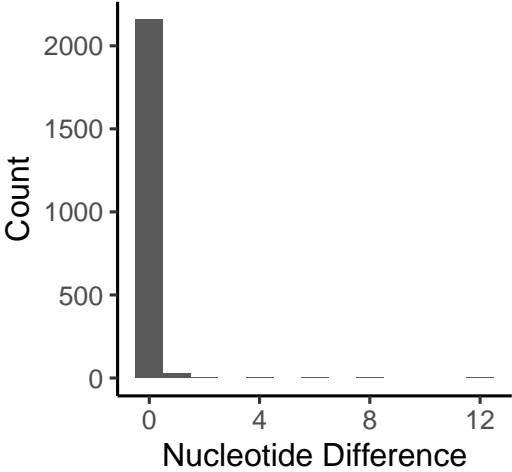
TRBV13\*ap01

1946 sequences assigned  
1881 (96.7%) exact matches, in which:  
1852 unique CDR3  
14 unique J



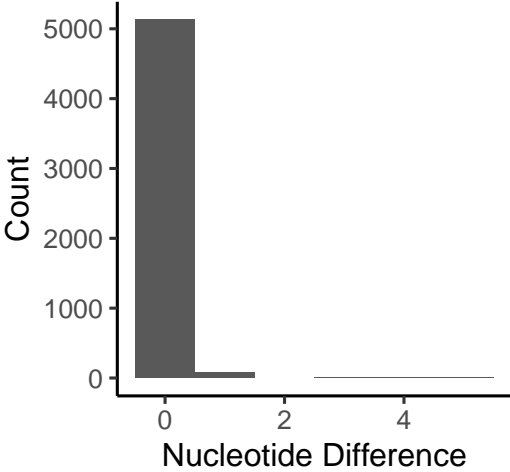
TRBV10-1\*ap01

2188 sequences assigned  
2157 (98.6%) exact matches, in which:  
2113 unique CDR3  
14 unique J



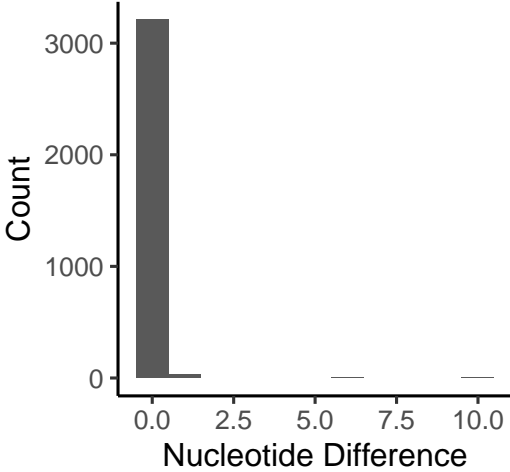
TRBV10-3\*ap01

5207 sequences assigned  
5130 (98.5%) exact matches, in which:  
5033 unique CDR3  
14 unique J



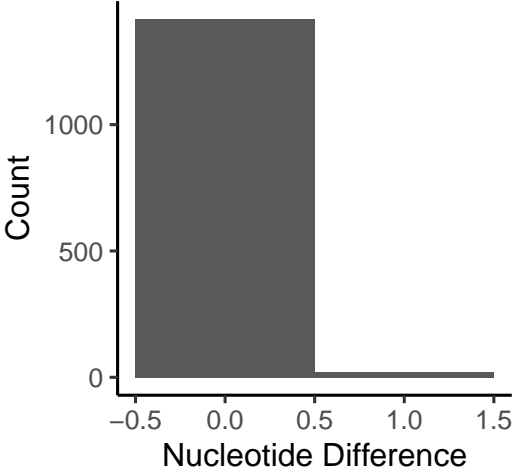
TRBV14\*ap01

3242 sequences assigned  
3210 (99%) exact matches, in which:  
3165 unique CDR3  
14 unique J



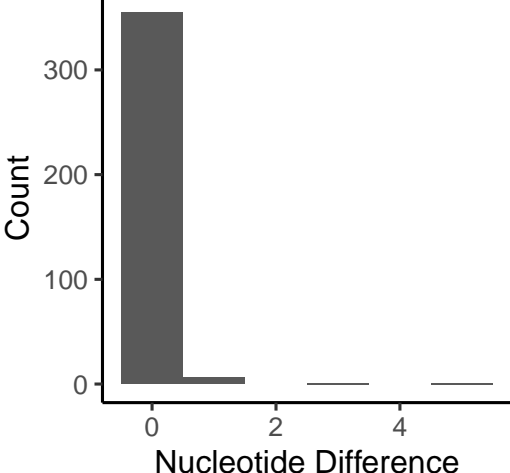
TRBV20-1\*ap02

1438 sequences assigned  
1418 (98.6%) exact matches, in which:  
1395 unique CDR3  
14 unique J



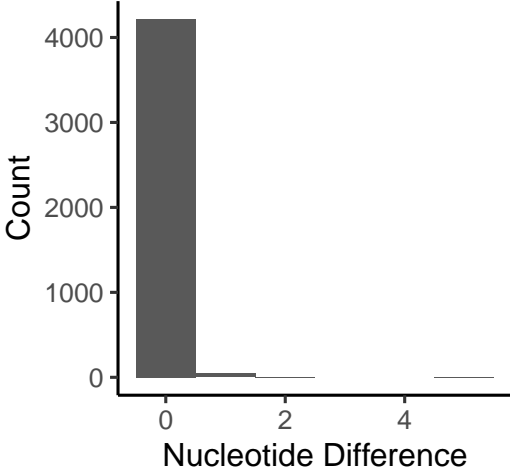
TRBV1\*ap01

363 sequences assigned  
355 (97.8%) exact matches, in which:  
346 unique CDR3  
14 unique J



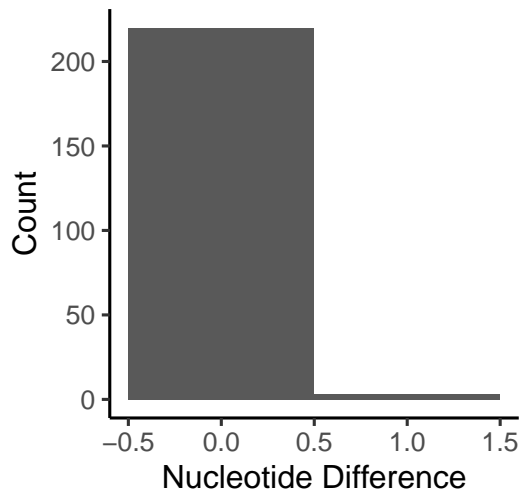
TRBV15\*ap02

4266 sequences assigned  
4217 (98.9%) exact matches, in which:  
4155 unique CDR3  
14 unique J



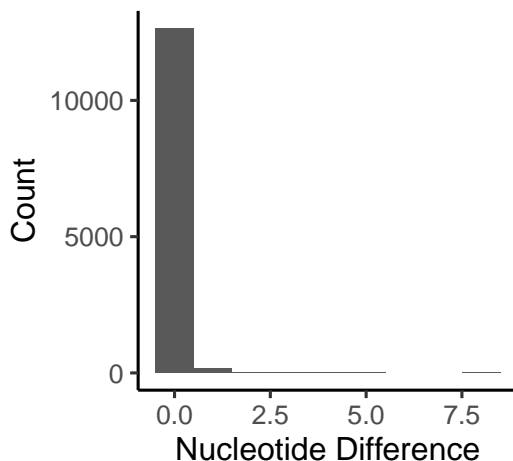
### TRBV16\*ap01

223 sequences assigned  
220 (98.7%) exact matches, in which:  
217 unique CDR3  
14 unique J



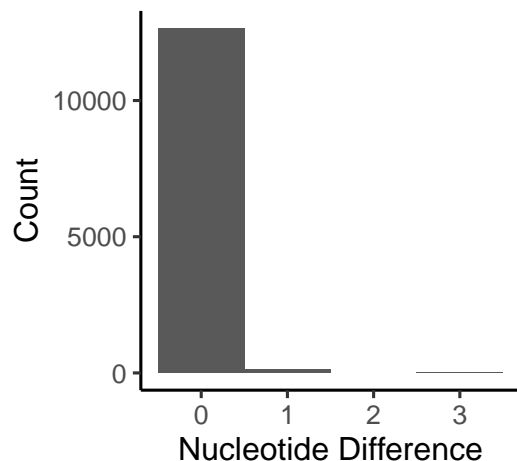
### TRBV19\*ap01

12822 sequences assigned  
12652 (98.7%) exact matches, in which:  
12510 unique CDR3  
14 unique J



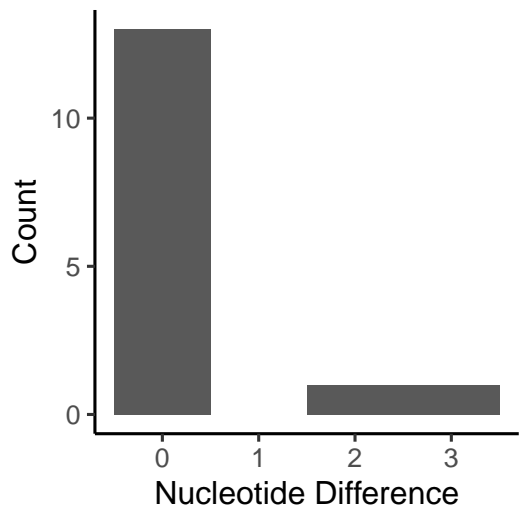
### TRBV28\*ap01

12794 sequences assigned  
12657 (98.9%) exact matches, in which:  
12432 unique CDR3  
14 unique J



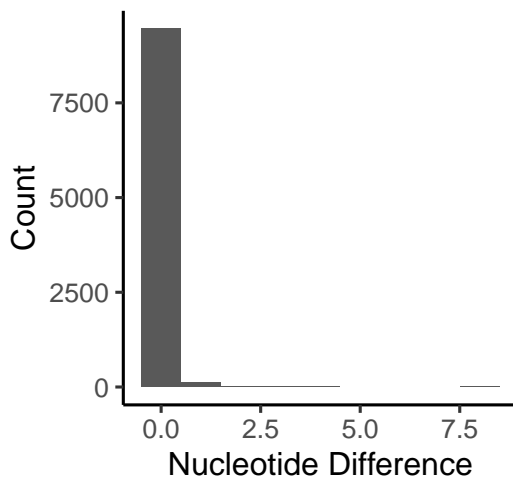
### TRBV17\*ap01

15 sequences assigned  
13 (86.7%) exact matches, in which:  
13 unique CDR3  
5 unique J



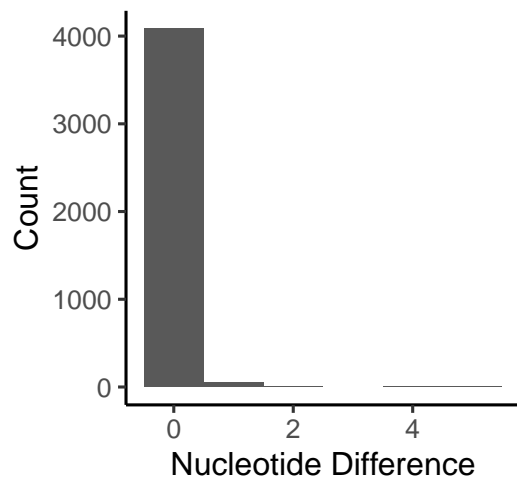
### TRBV2\*ap01

9576 sequences assigned  
9457 (98.8%) exact matches, in which:  
9291 unique CDR3  
14 unique J



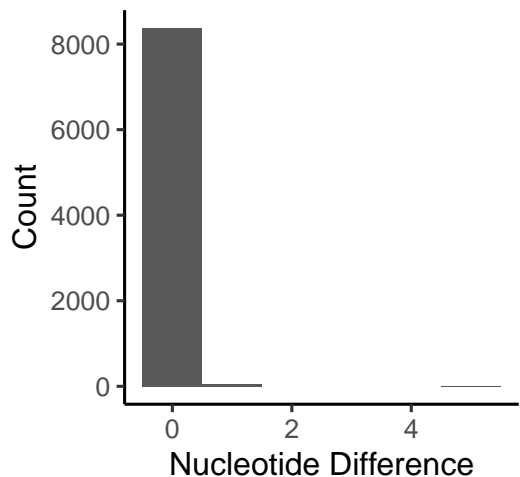
### TRBV30\*ap02

4144 sequences assigned  
4084 (98.6%) exact matches, in which:  
4050 unique CDR3  
15 unique J



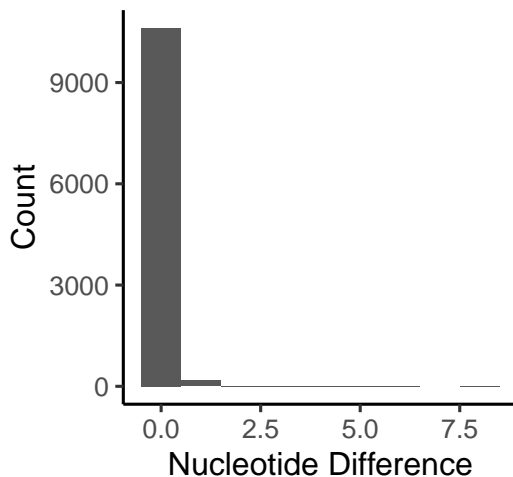
### TRBV18\*ap01

8426 sequences assigned  
8375 (99.4%) exact matches, in which:  
8262 unique CDR3  
14 unique J



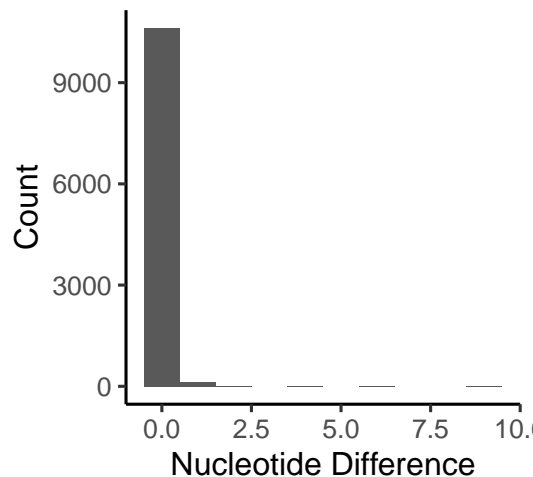
### TRBV27\*ap01

10799 sequences assigned  
10615 (98.3%) exact matches, in which:  
10419 unique CDR3  
14 unique J



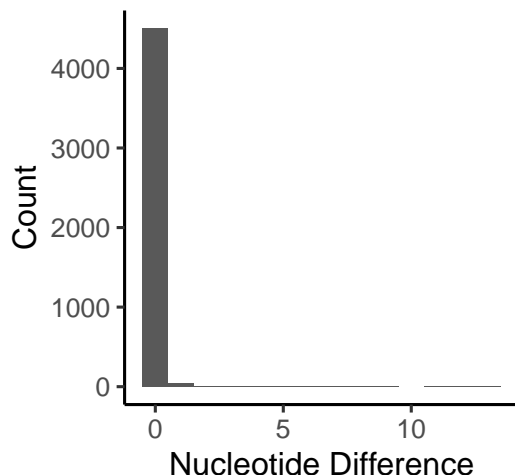
### TRBV9\*ap01

10755 sequences assigned  
10619 (98.7%) exact matches, in which:  
10460 unique CDR3  
14 unique J



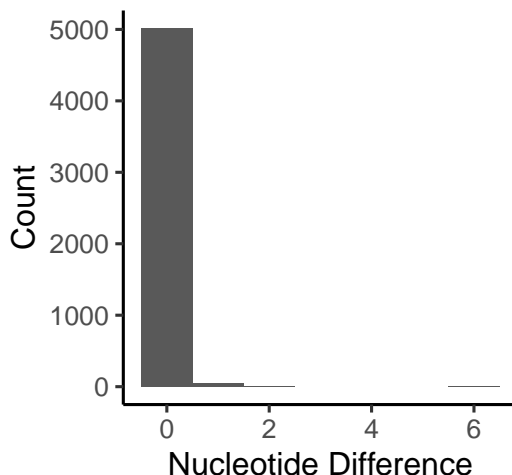
### TRBV21-1\*ap01

4568 sequences assigned  
4503 (98.6%) exact matches, in which:  
4404 unique CDR3  
14 unique J



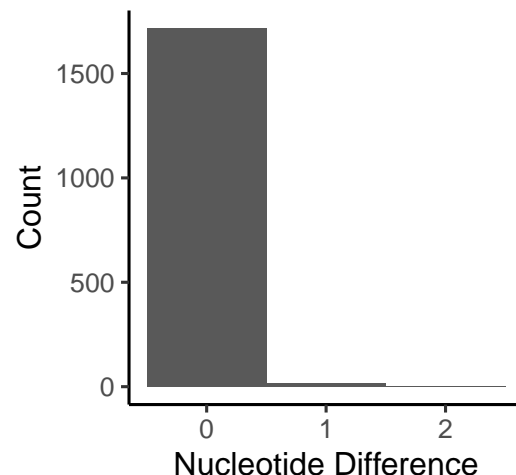
### TRBV11-3\*ap01

5067 sequences assigned  
5014 (99%) exact matches, in which:  
4955 unique CDR3  
14 unique J



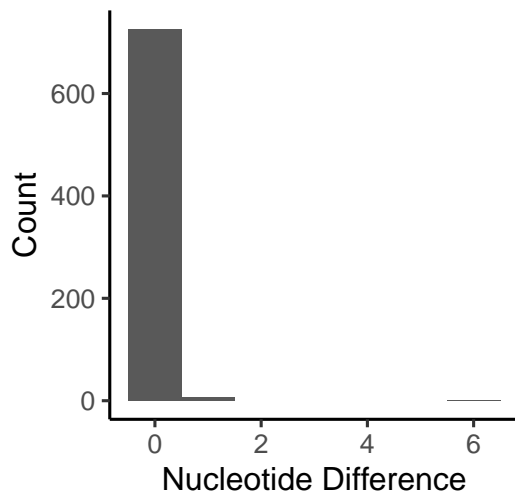
### TRBV12-5\*ap01

1736 sequences assigned  
1716 (98.8%) exact matches, in which:  
1692 unique CDR3  
14 unique J



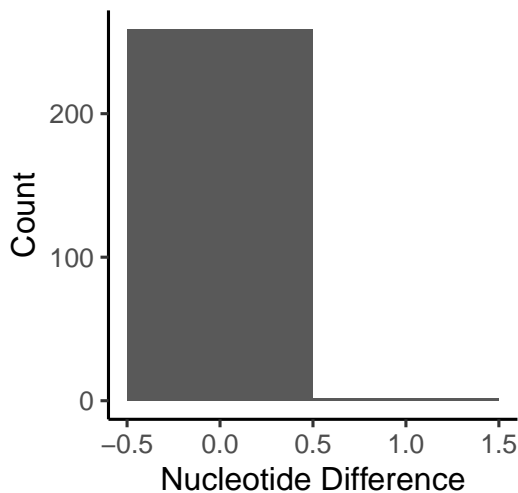
### TRBV11-1\*ap01

734 sequences assigned  
726 (98.9%) exact matches, in which:  
708 unique CDR3  
14 unique J



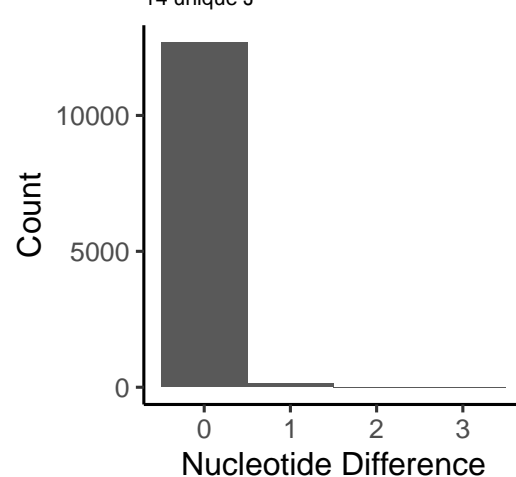
### TRBV12-1\*ap01

261 sequences assigned  
259 (99.2%) exact matches, in which:  
252 unique CDR3  
14 unique J



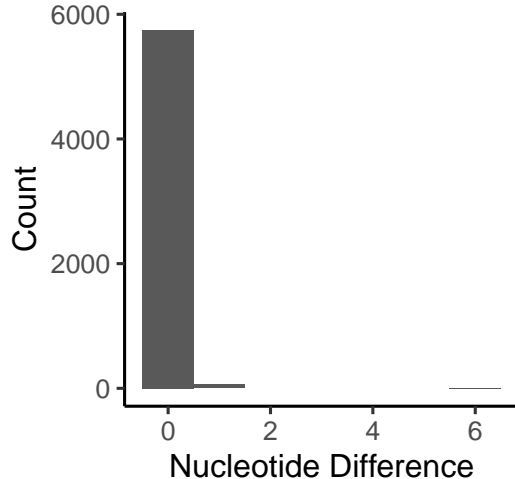
### TRBV12-34\*ap01

12828 sequences assigned  
12684 (98.9%) exact matches, in which:  
12521 unique CDR3  
14 unique J



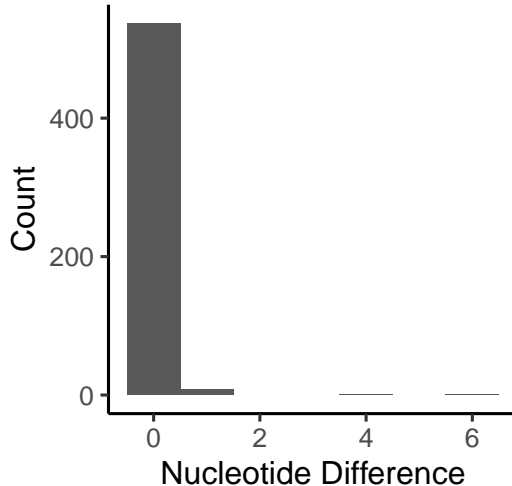
### TRBV11-2\*ap01

5812 sequences assigned  
5747 (98.9%) exact matches, in which:  
5658 unique CDR3  
14 unique J



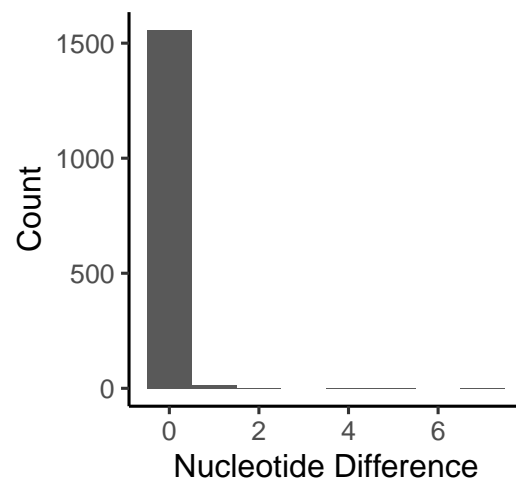
### TRBV12-2\*ap01

547 sequences assigned  
537 (98.2%) exact matches, in which:  
526 unique CDR3  
14 unique J



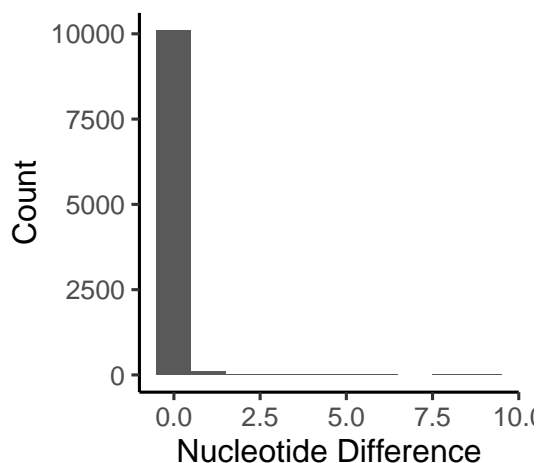
### TRBV23-1\*ap01

1577 sequences assigned  
1557 (98.7%) exact matches, in which:  
1534 unique CDR3  
14 unique J



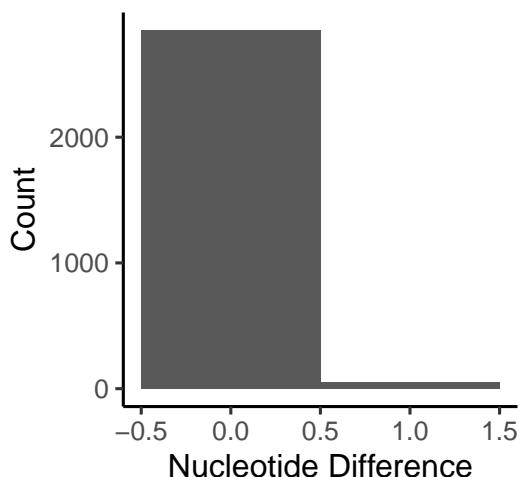
### TRBV3-12\*ap01

10225 sequences assigned  
10107 (98.8%) exact matches, in which:  
9897 unique CDR3  
14 unique J



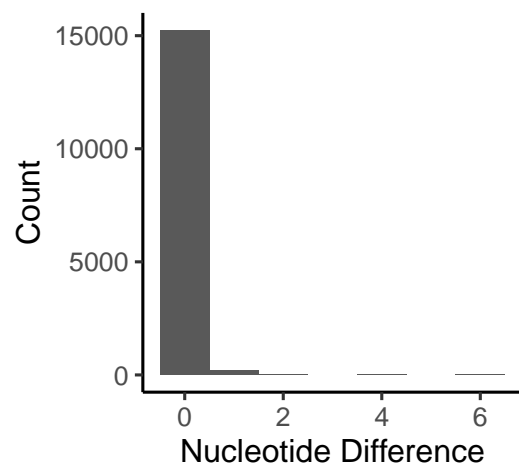
### TRBV4-2\*ap01

2899 sequences assigned  
2849 (98.3%) exact matches, in which:  
2792 unique CDR3  
14 unique J



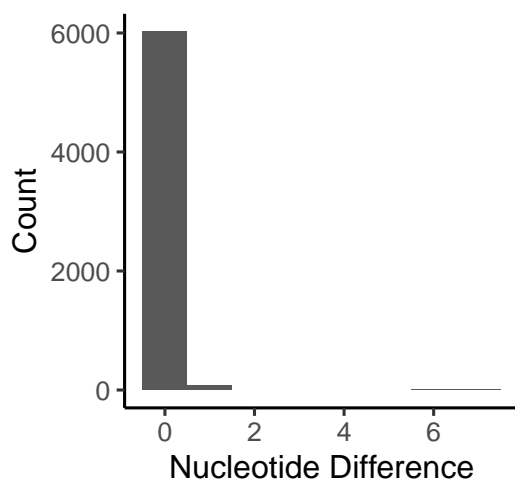
### TRBV5-1\*ap01

15445 sequences assigned  
15244 (98.7%) exact matches, in which:  
14934 unique CDR3  
14 unique J



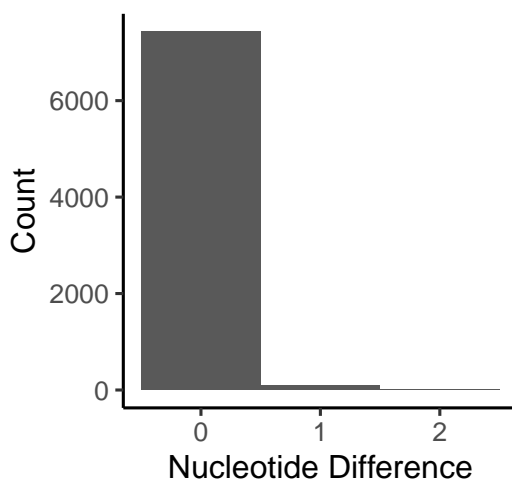
### TRBV4-1\*ap01

6091 sequences assigned  
6021 (98.9%) exact matches, in which:  
5919 unique CDR3  
14 unique J



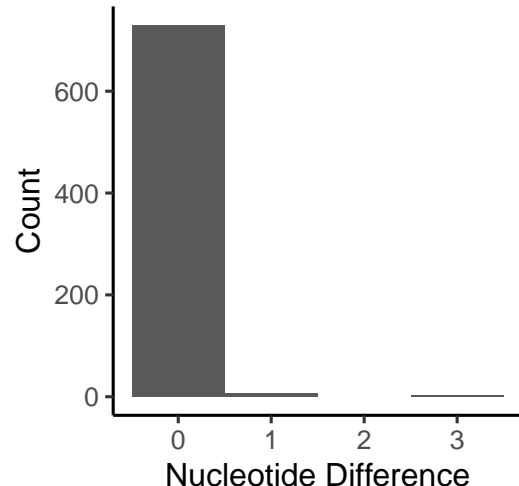
### TRBV4-3\*ap01

7520 sequences assigned  
7429 (98.8%) exact matches, in which:  
7304 unique CDR3  
14 unique J



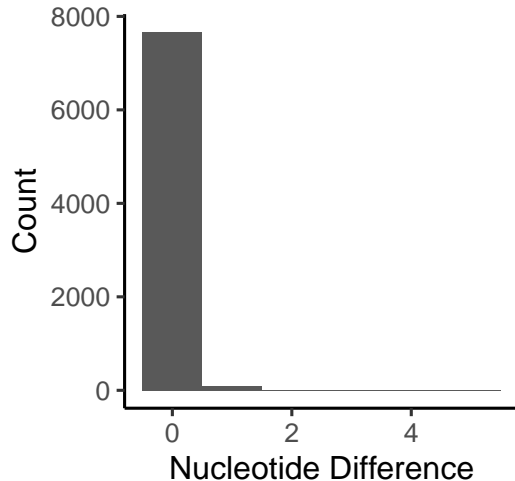
### TRBV5-3\*ap01

739 sequences assigned  
730 (98.8%) exact matches, in which:  
719 unique CDR3  
14 unique J



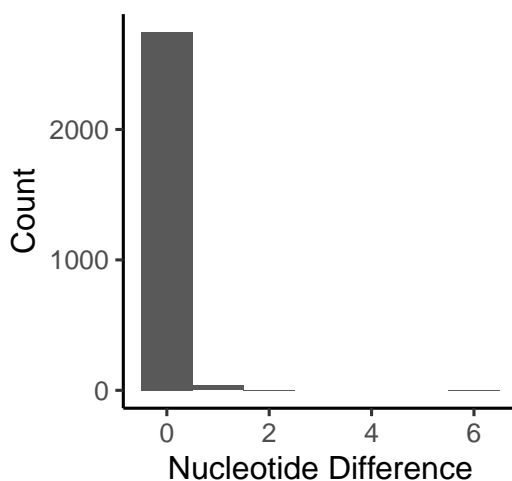
### TRBV24-1\*ap01

7773 sequences assigned  
7665 (98.6%) exact matches, in which:  
7565 unique CDR3  
14 unique J



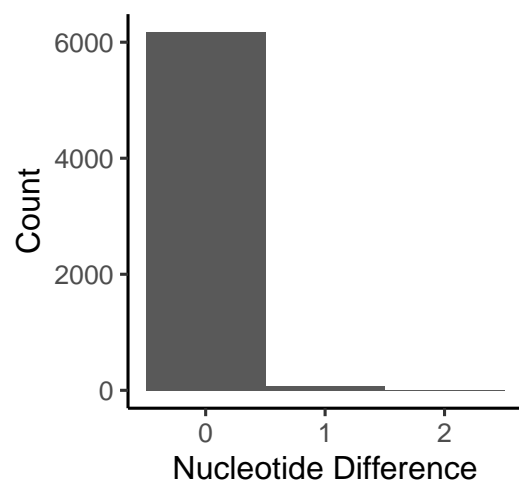
### TRBV25-1\*ap01

2788 sequences assigned  
2747 (98.5%) exact matches, in which:  
2715 unique CDR3  
14 unique J



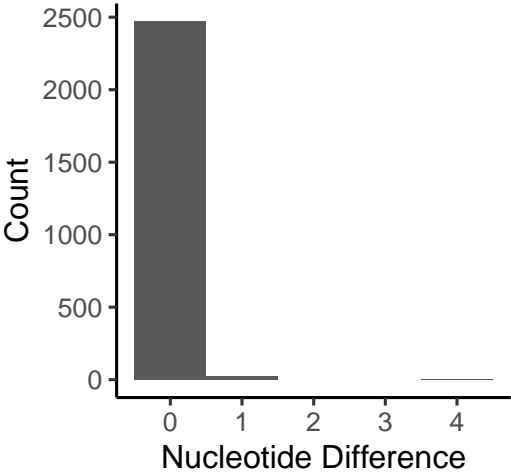
### TRBV5-4\*ap01

6251 sequences assigned  
6175 (98.8%) exact matches, in which:  
6067 unique CDR3  
14 unique J



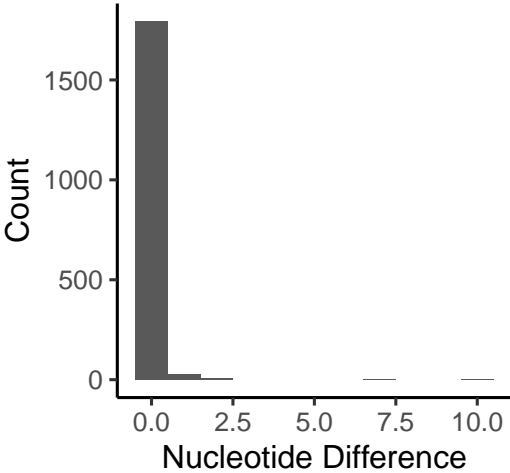
TRBV5-5\*ap01

2496 sequences assigned  
2471 (99%) exact matches, in which:  
2444 unique CDR3  
14 unique J



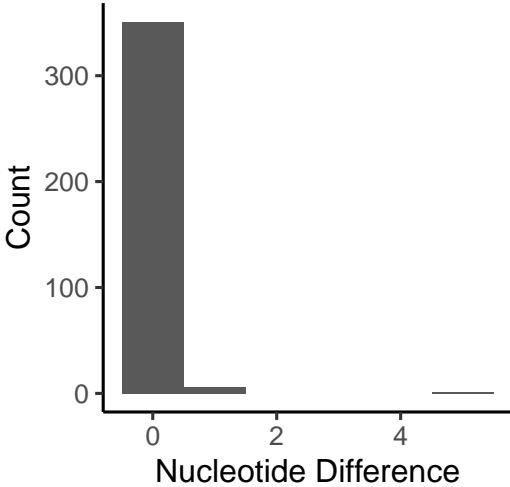
TRBV5-8\*ap01

1830 sequences assigned  
1793 (98%) exact matches, in which:  
1763 unique CDR3  
14 unique J



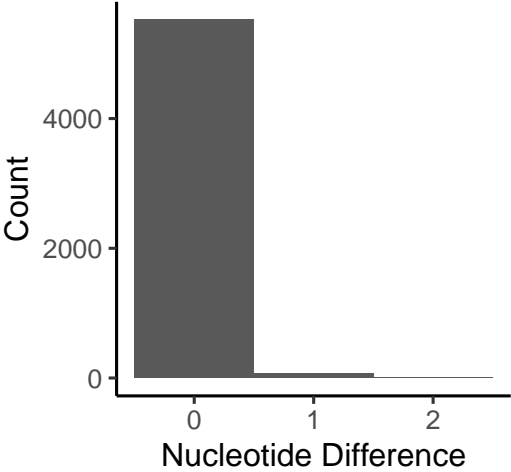
TRBV6-7\*ap01

358 sequences assigned  
351 (98%) exact matches, in which:  
343 unique CDR3  
14 unique J



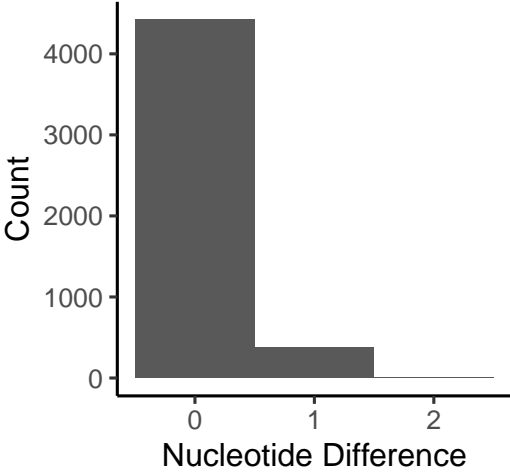
TRBV5-6\*ap01

5595 sequences assigned  
5524 (98.7%) exact matches, in which:  
5401 unique CDR3  
14 unique J



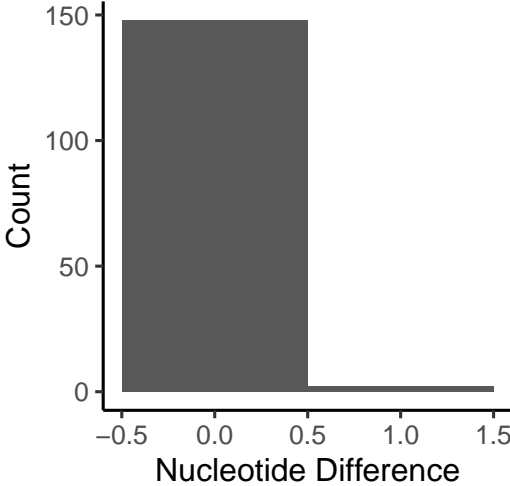
TRBV6-1\*ap01

4796 sequences assigned  
4421 (92.2%) exact matches, in which:  
4323 unique CDR3  
14 unique J



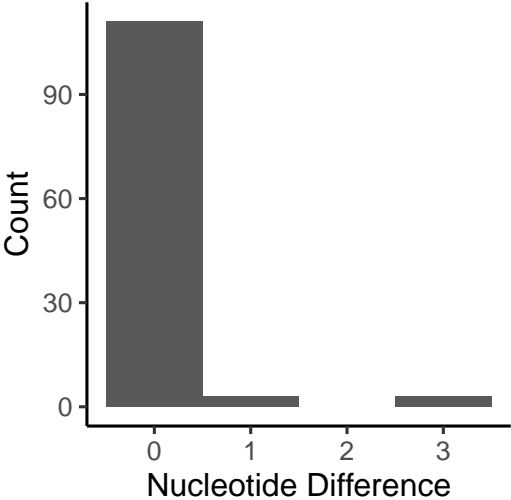
TRBV6-8\*ap01

150 sequences assigned  
148 (98.7%) exact matches, in which:  
144 unique CDR3  
14 unique J



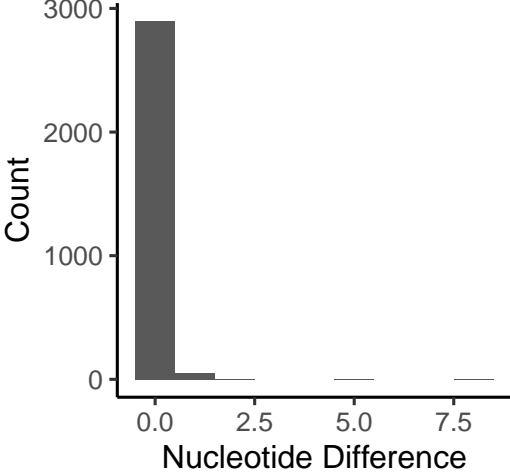
TRBV5-7\*ap01

117 sequences assigned  
111 (94.9%) exact matches, in which:  
108 unique CDR3  
14 unique J



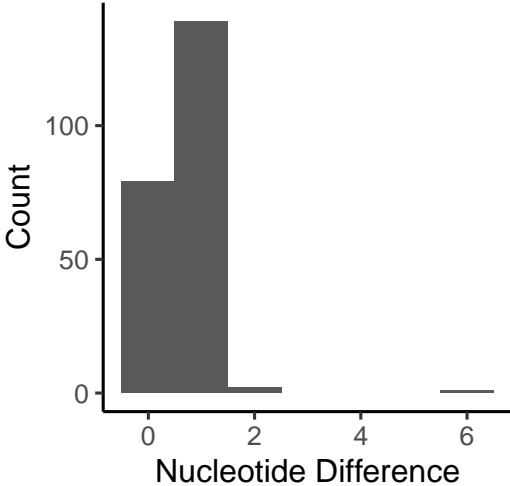
TRBV6-4\*ap01

2955 sequences assigned  
2898 (98.1%) exact matches, in which:  
2845 unique CDR3  
14 unique J



TRBV6-9\*ap01

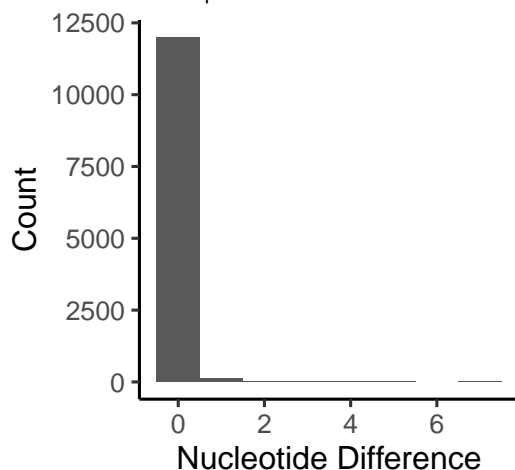
221 sequences assigned  
79 (35.7%) exact matches, in which:  
76 unique CDR3  
12 unique J





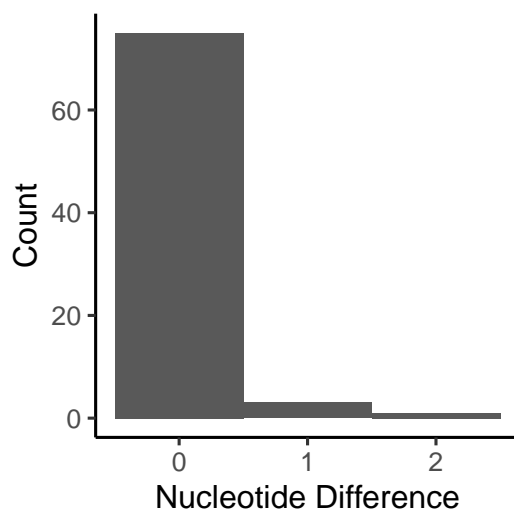
### TRBV6-23\*ap01

12132 sequences assigned  
12003 (98.9%) exact matches, in which:  
11705 unique CDR3  
14 unique J



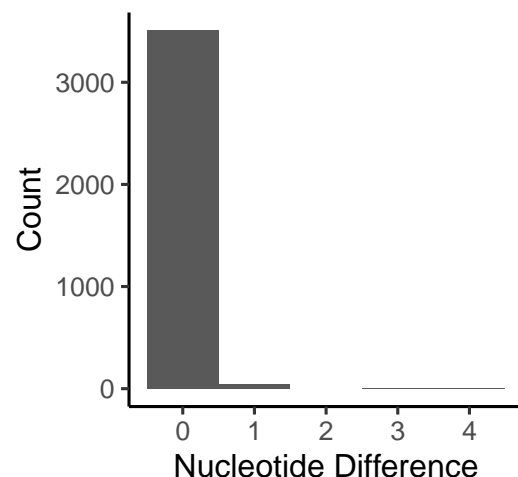
### TRBV7-1\*ap01\_G291C\_T

79 sequences assigned  
75 (94.9%) exact matches, in which:  
74 unique CDR3  
14 unique J



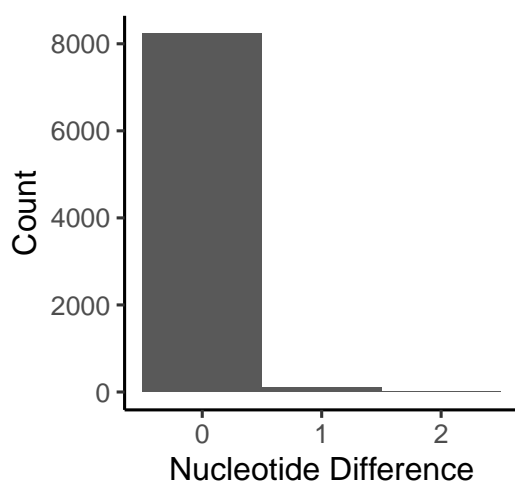
### TRBV7-3\*ap01

3552 sequences assigned  
3508 (98.8%) exact matches, in which:  
3448 unique CDR3  
14 unique J



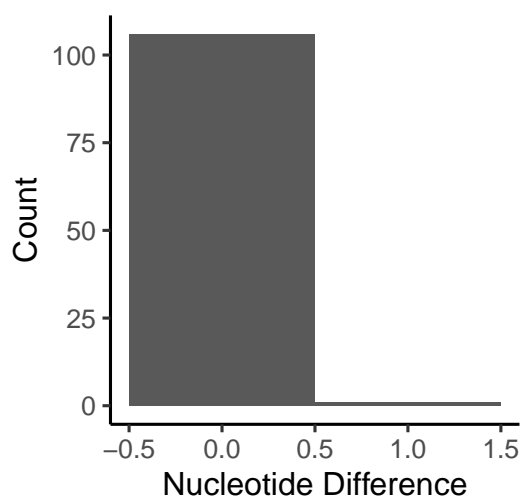
### TRBV6-56\*ap01

8329 sequences assigned  
8231 (98.8%) exact matches, in which:  
8073 unique CDR3  
14 unique J



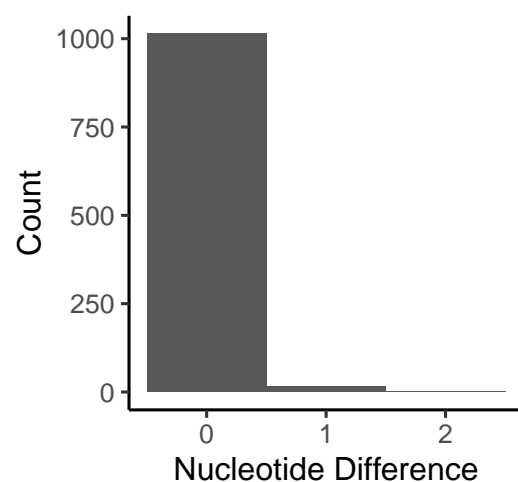
### TRBV7-1\*ap01\_G291C\_

107 sequences assigned  
106 (99.1%) exact matches, in which:  
106 unique CDR3  
13 unique J



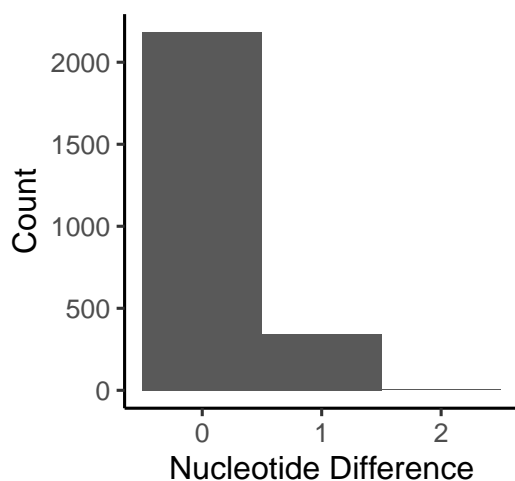
### TRBV7-3\*ap02

1031 sequences assigned  
1014 (98.4%) exact matches, in which:  
991 unique CDR3  
13 unique J



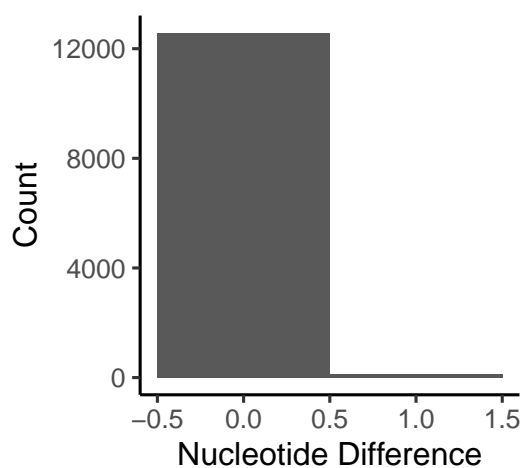
### TRBV6-56\*ap02

2531 sequences assigned  
2184 (86.3%) exact matches, in which:  
2147 unique CDR3  
14 unique J



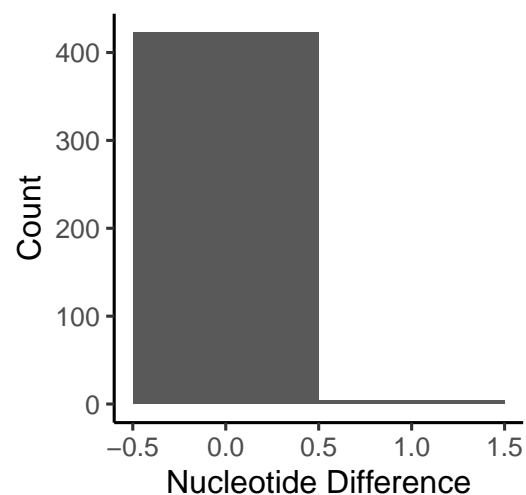
### TRBV7-2\*ap01

12702 sequences assigned  
12580 (99%) exact matches, in which:  
12390 unique CDR3  
14 unique J



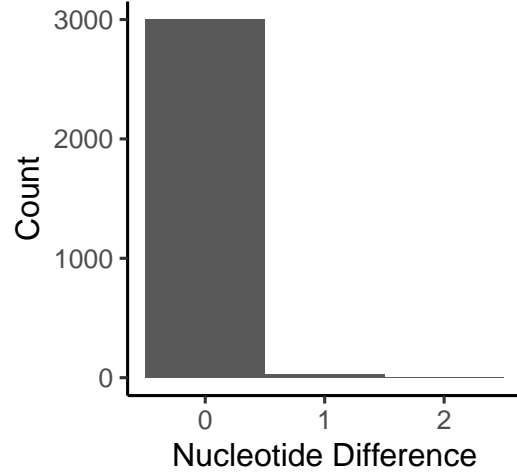
### TRBV7-4\*ap01

427 sequences assigned  
423 (99.1%) exact matches, in which:  
419 unique CDR3  
14 unique J



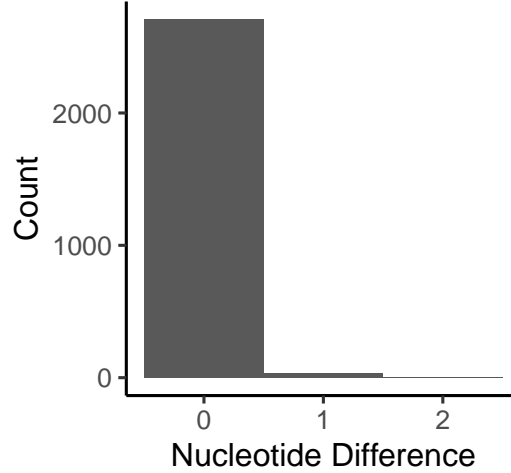
### TRBV7-6\*ap01

3037 sequences assigned  
3001 (98.8%) exact matches, in which:  
2940 unique CDR3  
14 unique J



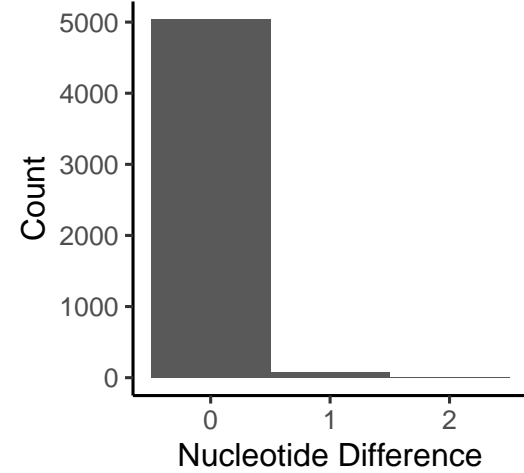
### TRBV7-8\*ap01

2739 sequences assigned  
2707 (98.8%) exact matches, in which:  
2651 unique CDR3  
14 unique J



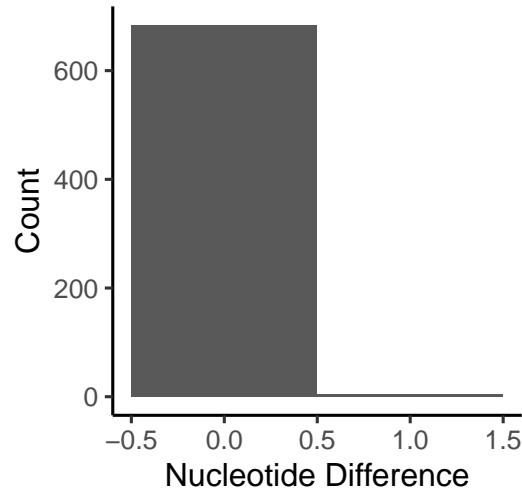
### TRBV29-1\*ap01

5115 sequences assigned  
5038 (98.5%) exact matches, in which:  
4955 unique CDR3  
14 unique J



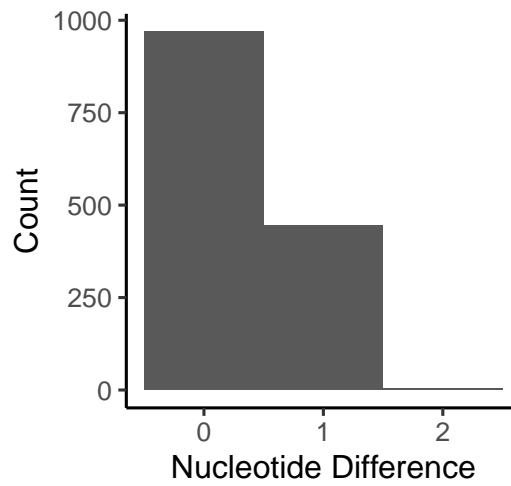
### TRBV7-7\*ap01

689 sequences assigned  
684 (99.3%) exact matches, in which:  
674 unique CDR3  
13 unique J



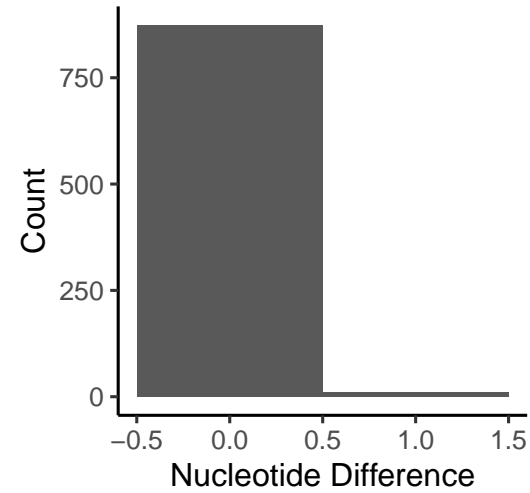
### TRBV7-8\*ap03

1419 sequences assigned  
969 (68.3%) exact matches, in which:  
955 unique CDR3  
14 unique J



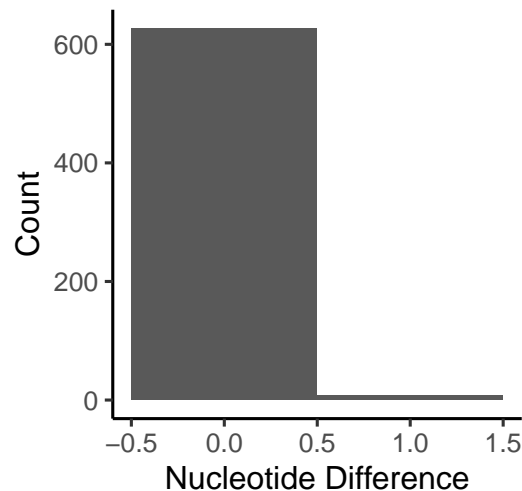
### TRBV29-1\*ap02

885 sequences assigned  
874 (98.8%) exact matches, in which:  
866 unique CDR3  
14 unique J



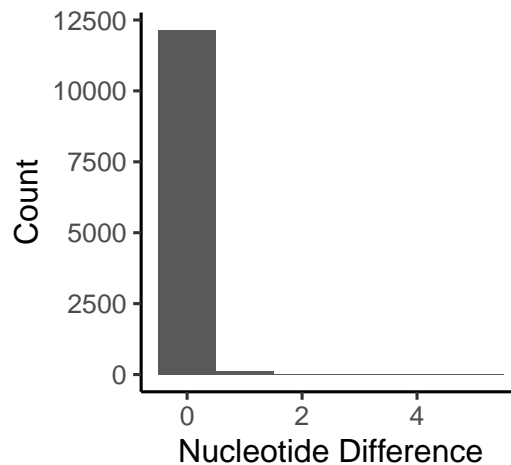
### TRBV7-7\*ap01\_C315T

634 sequences assigned  
627 (98.9%) exact matches, in which:  
618 unique CDR3  
13 unique J

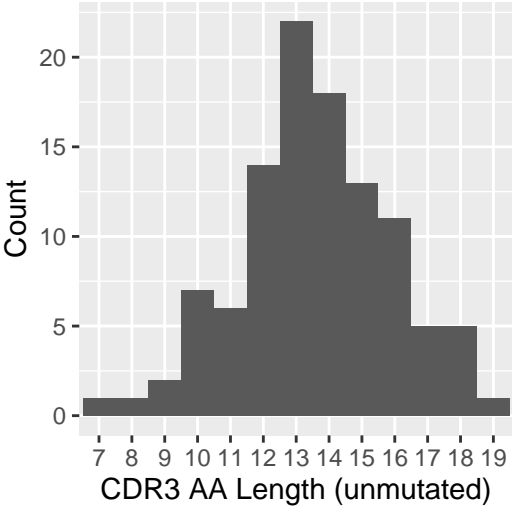


### TRBV7-9\*ap01

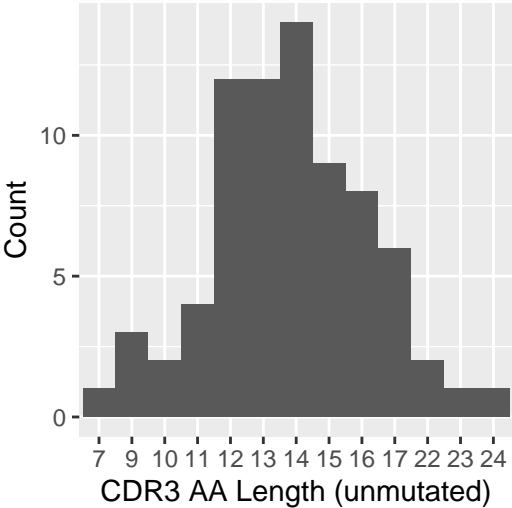
12284 sequences assigned  
12154 (98.9%) exact matches, in which:  
11999 unique CDR3  
14 unique J



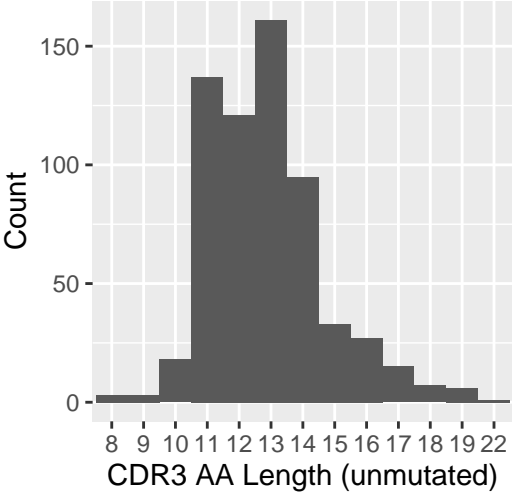
TRBV7-1\*ap01\_G291C\_T296C\_C314T

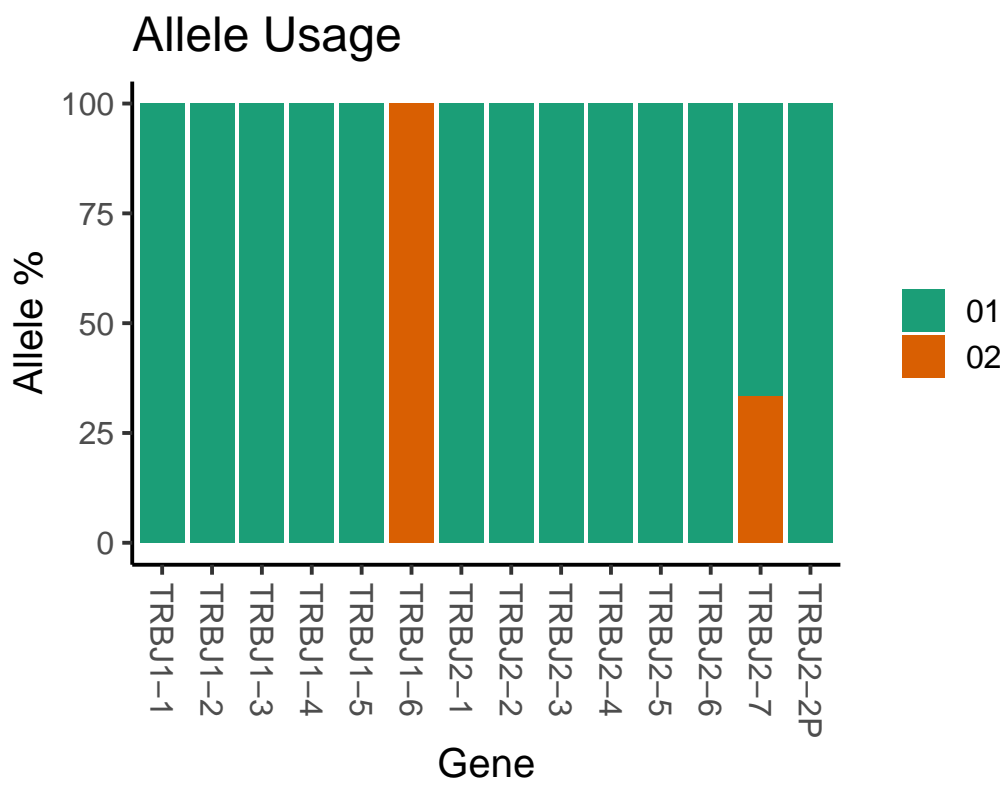


TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Sequence Count by TRBJ2-7 allele usage

