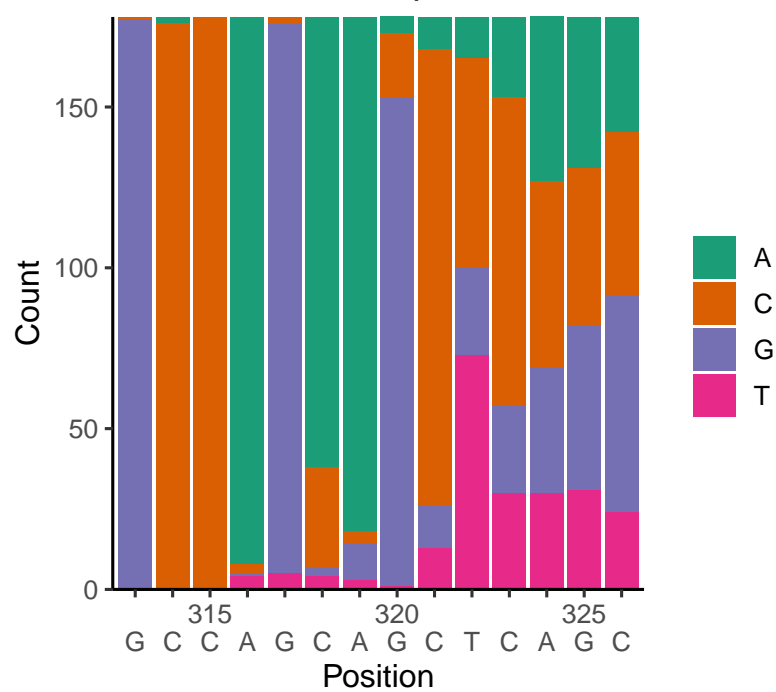
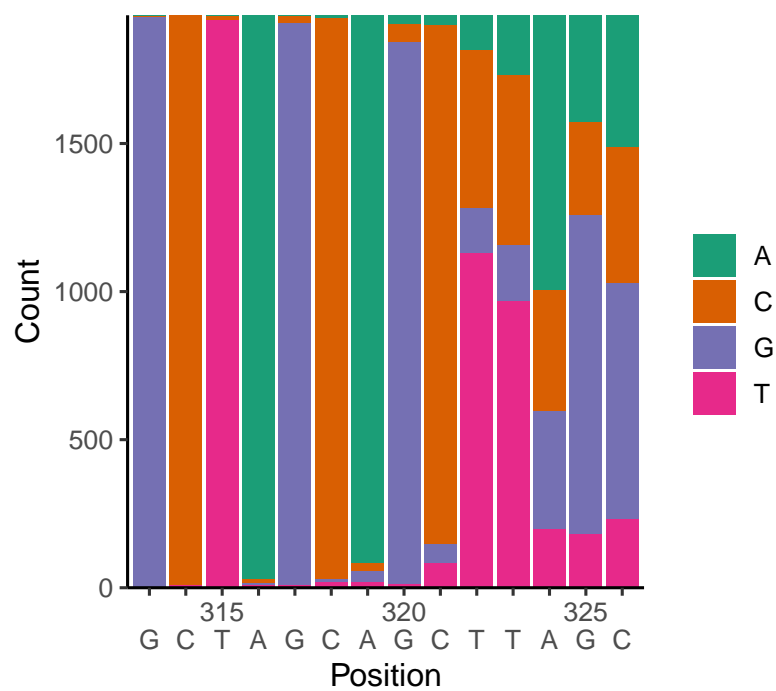


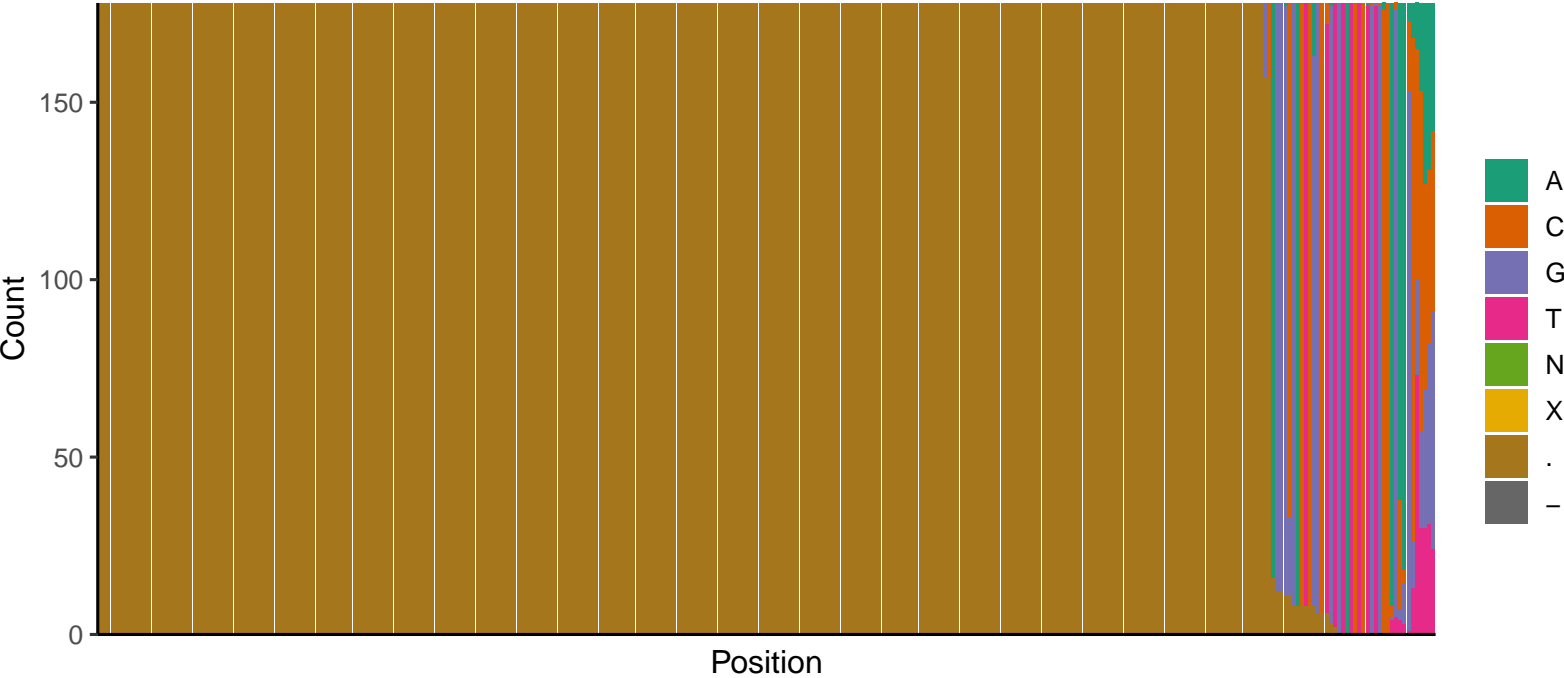
Gene TRBV7-1\*ap01\_T296C



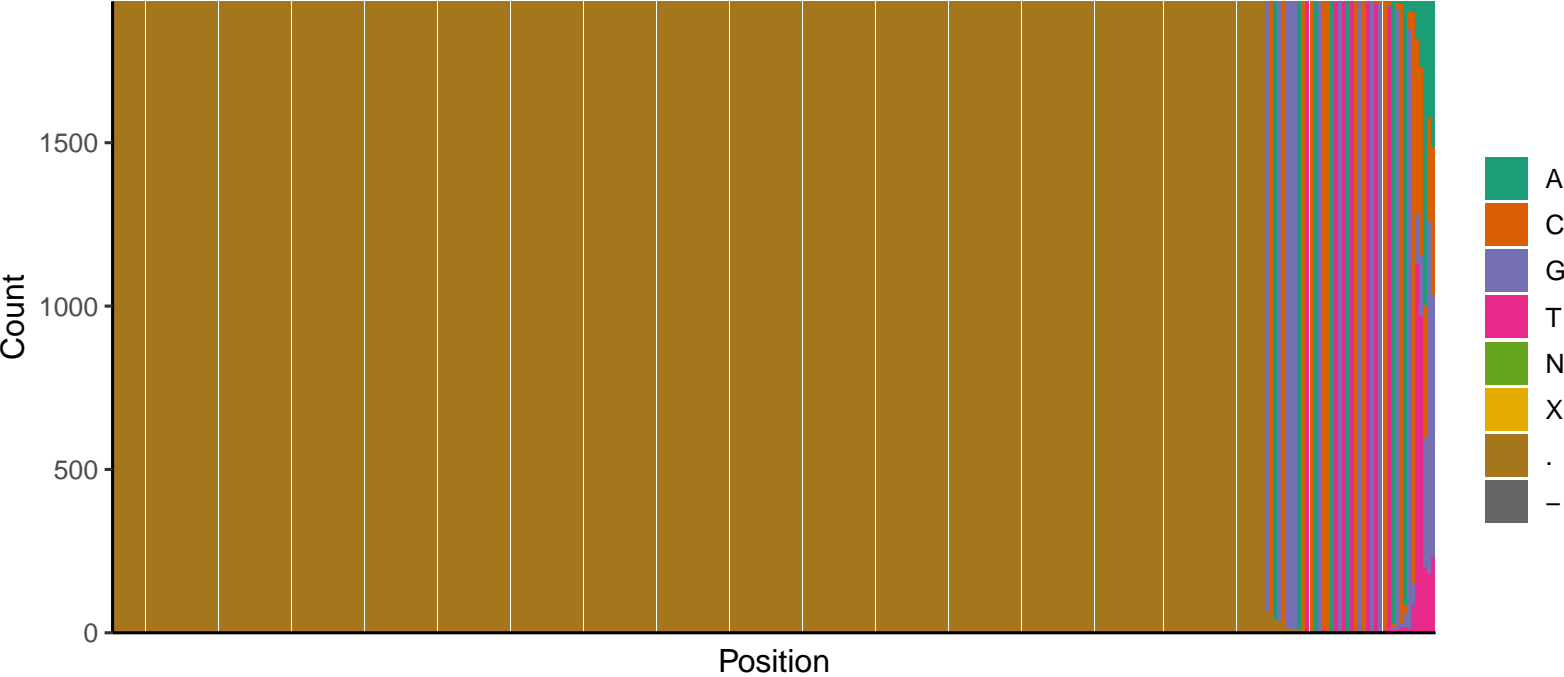
Gene TRBV7-7\*ap01\_C315T



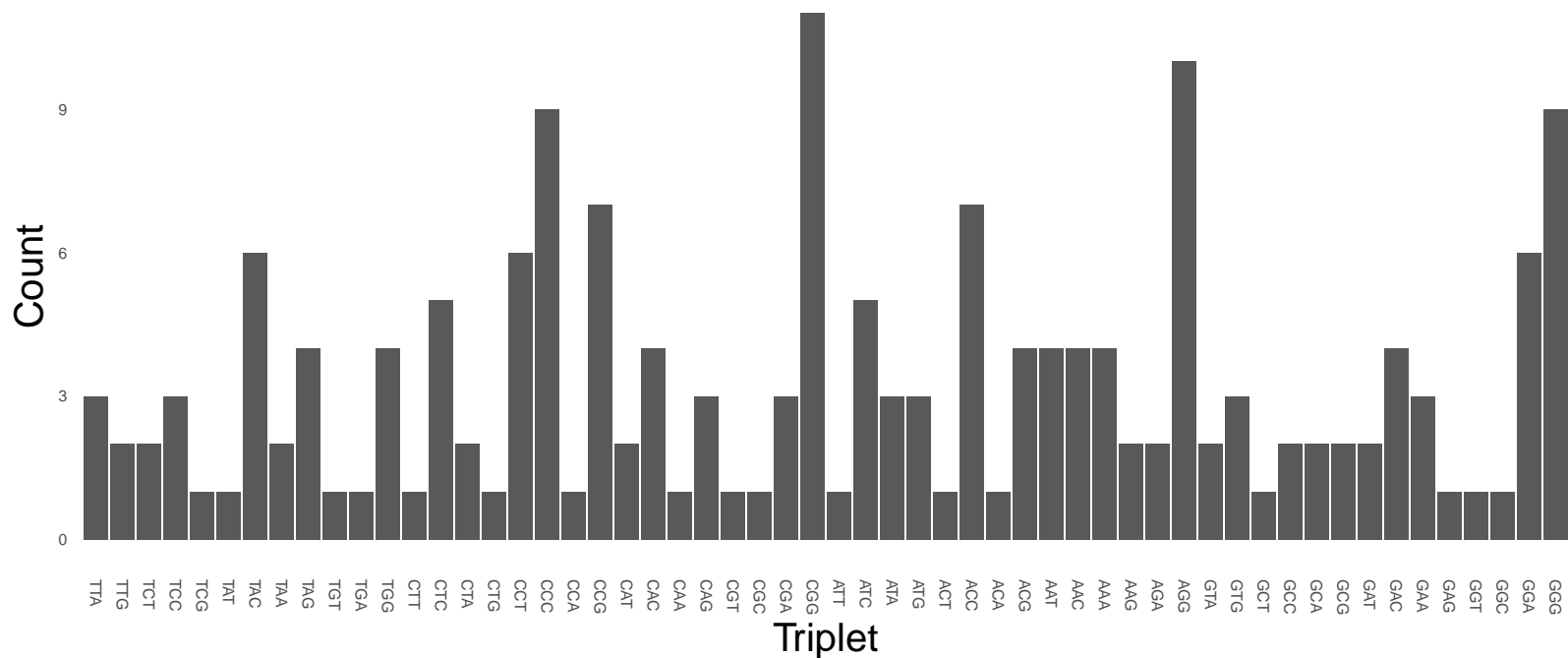
Gene TRBV7-1\*ap01\_T296C



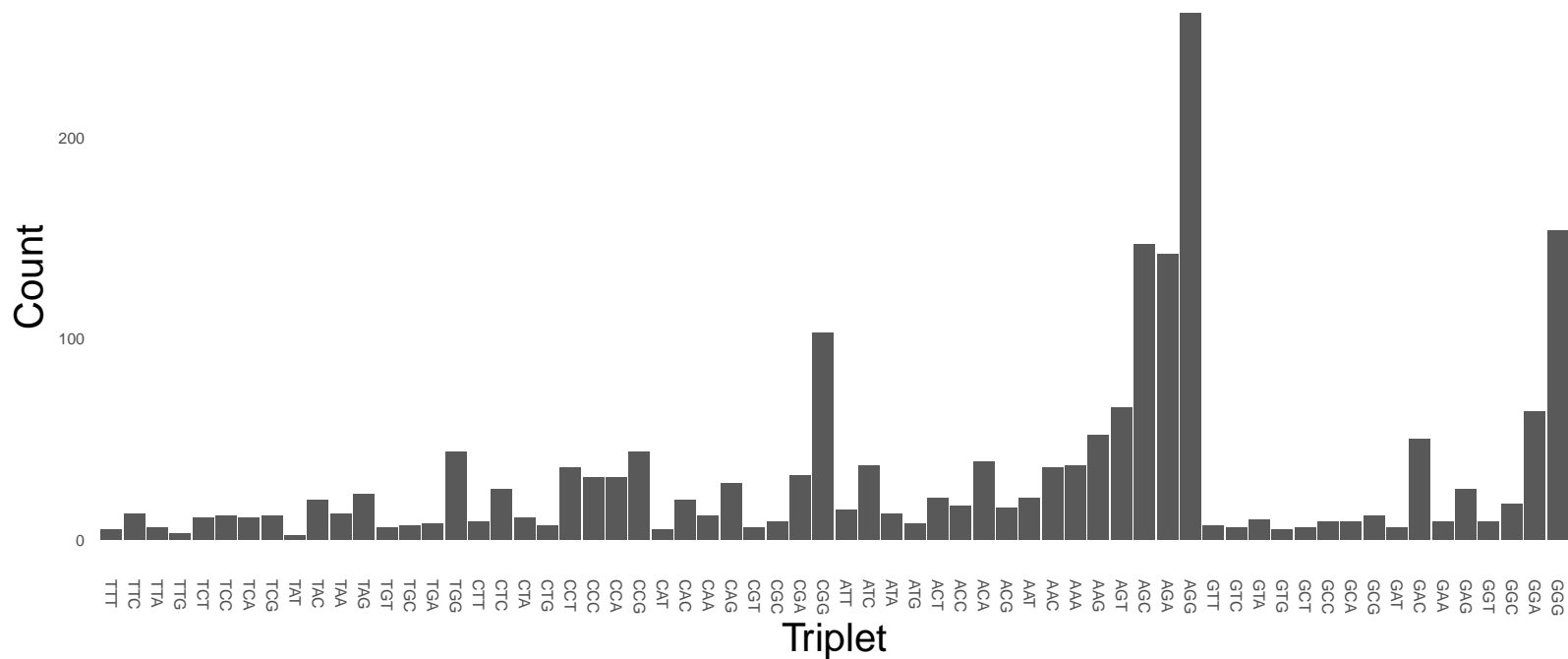
Gene TRBV7-7\*ap01\_C315T



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

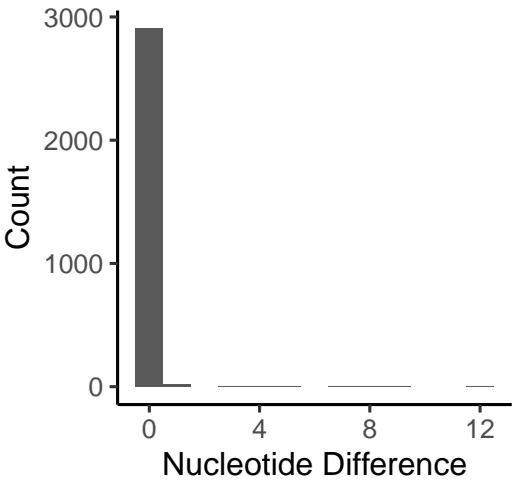


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



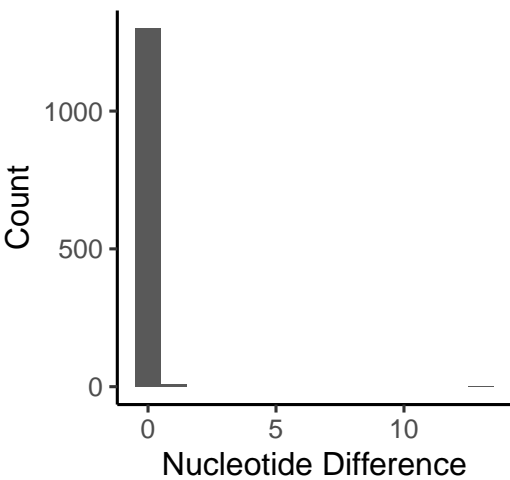
TRBV10-1\*ap01

2942 sequences assigned  
2907 (98.8%) exact matches, in which:  
2868 unique CDR3  
13 unique J



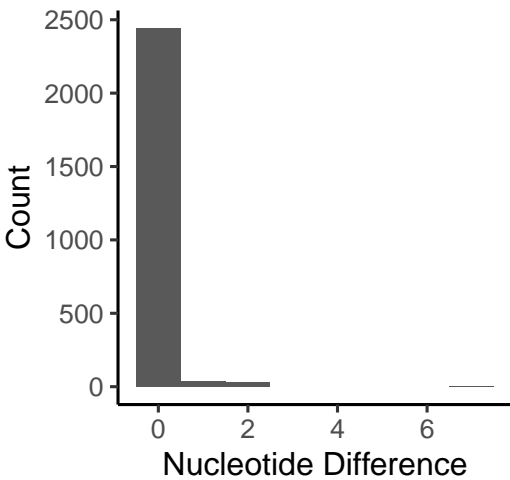
TRBV10-2\*ap01

1311 sequences assigned  
1300 (99.2%) exact matches, in which:  
1285 unique CDR3  
13 unique J



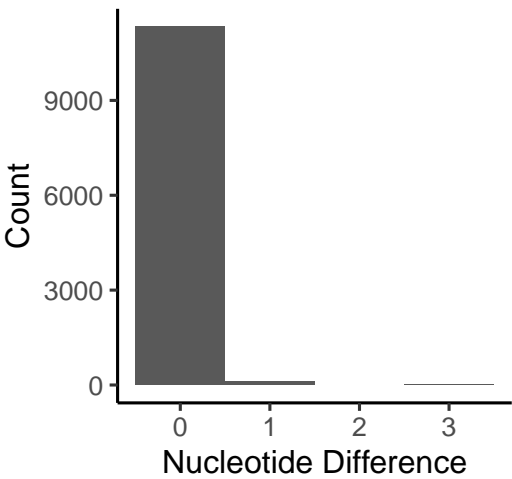
TRBV13\*ap01

2514 sequences assigned  
2441 (97.1%) exact matches, in which:  
2374 unique CDR3  
13 unique J



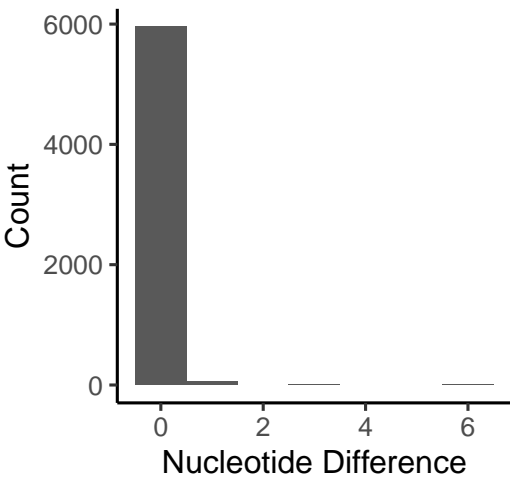
TRBV20-1\*ap01

11441 sequences assigned  
11330 (99%) exact matches, in which:  
11202 unique CDR3  
13 unique J



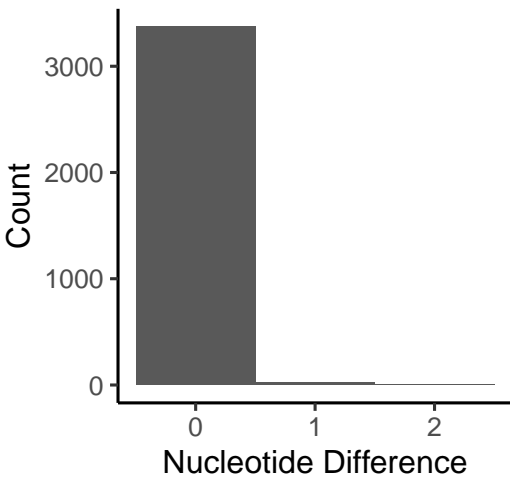
TRBV10-3\*ap01

6016 sequences assigned  
5956 (99%) exact matches, in which:  
5870 unique CDR3  
13 unique J



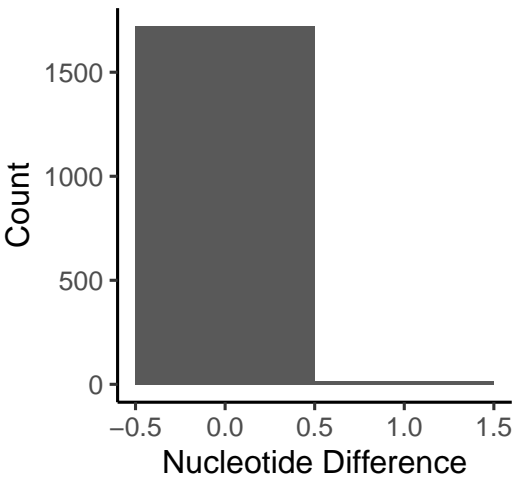
TRBV14\*ap01

3395 sequences assigned  
3372 (99.3%) exact matches, in which:  
3321 unique CDR3  
13 unique J



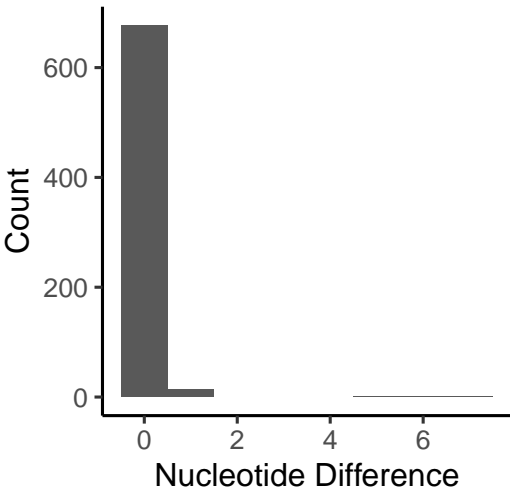
TRBV20-1\*ap02

1737 sequences assigned  
1722 (99.1%) exact matches, in which:  
1698 unique CDR3  
13 unique J



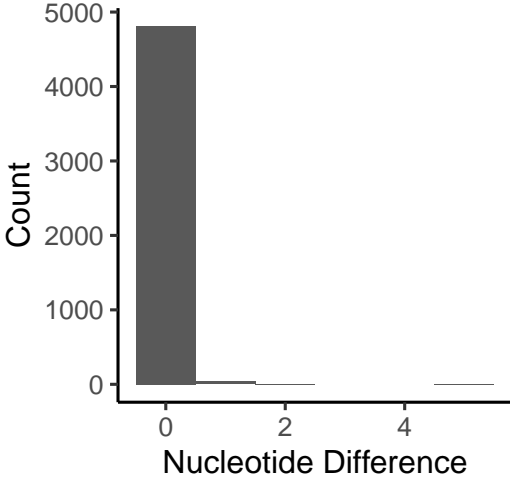
TRBV1\*ap01

693 sequences assigned  
677 (97.7%) exact matches, in which:  
660 unique CDR3  
13 unique J



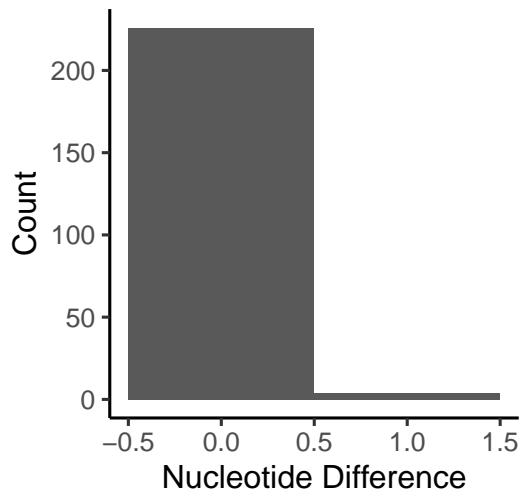
TRBV15\*ap02

4851 sequences assigned  
4812 (99.2%) exact matches, in which:  
4725 unique CDR3  
13 unique J



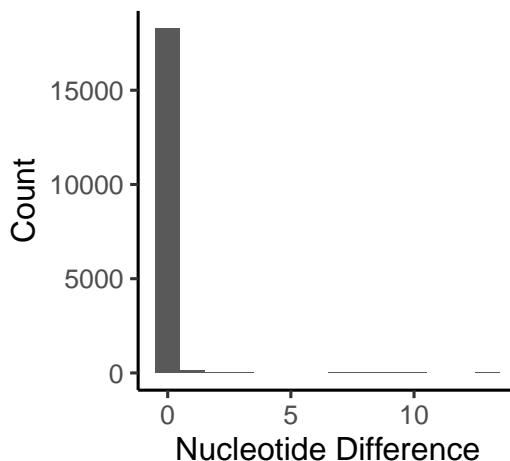
### TRBV16\*ap01

230 sequences assigned  
226 (98.3%) exact matches, in which:  
226 unique CDR3  
13 unique J



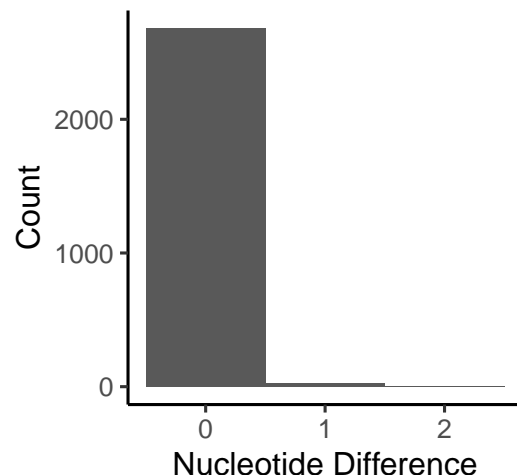
### TRBV19\*ap01

18432 sequences assigned  
18295 (99.3%) exact matches, in which:  
18184 unique CDR3  
13 unique J



### TRBV28\*ap01

2712 sequences assigned  
2680 (98.8%) exact matches, in which:  
2650 unique CDR3  
13 unique J



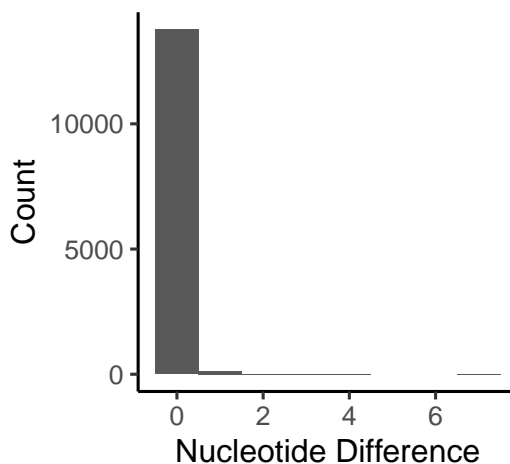
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



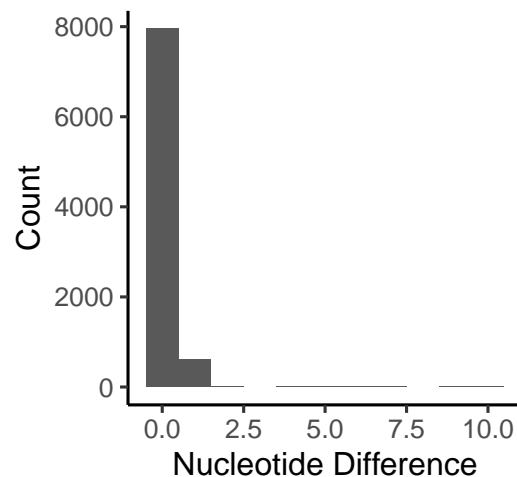
### TRBV2\*ap01

13909 sequences assigned  
13769 (99%) exact matches, in which:  
13493 unique CDR3  
13 unique J



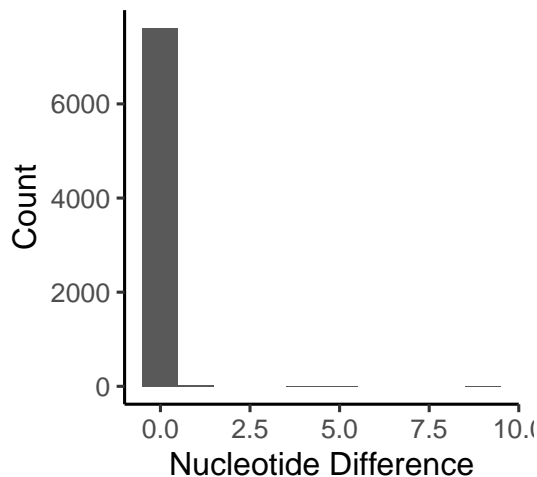
### TRBV30\*ap01

8597 sequences assigned  
7954 (92.5%) exact matches, in which:  
7768 unique CDR3  
13 unique J



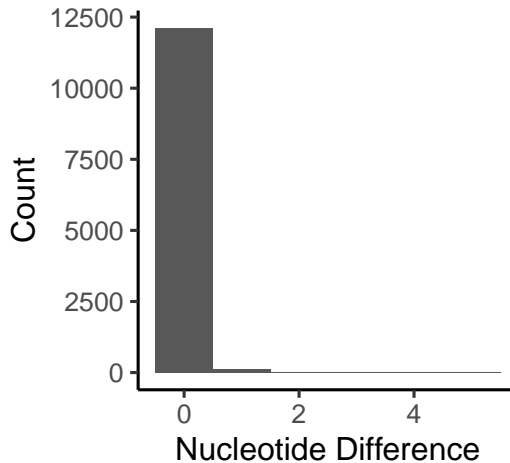
### TRBV18\*ap01

7649 sequences assigned  
7612 (99.5%) exact matches, in which:  
7538 unique CDR3  
13 unique J



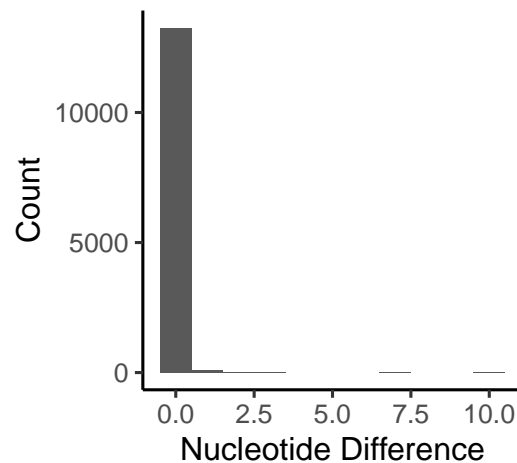
### TRBV27\*ap01

12275 sequences assigned  
12124 (98.8%) exact matches, in which:  
11857 unique CDR3  
13 unique J



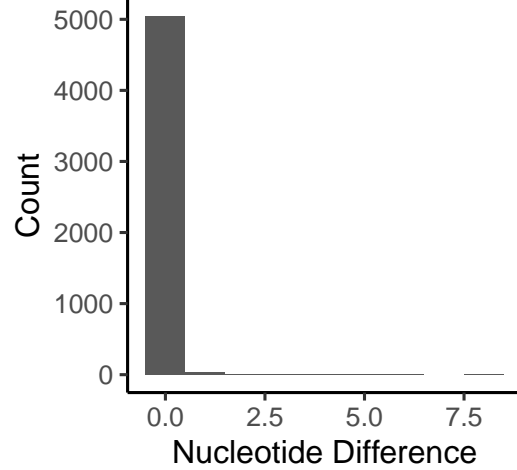
### TRBV9\*ap01

13357 sequences assigned  
13257 (99.3%) exact matches, in which:  
13069 unique CDR3  
13 unique J



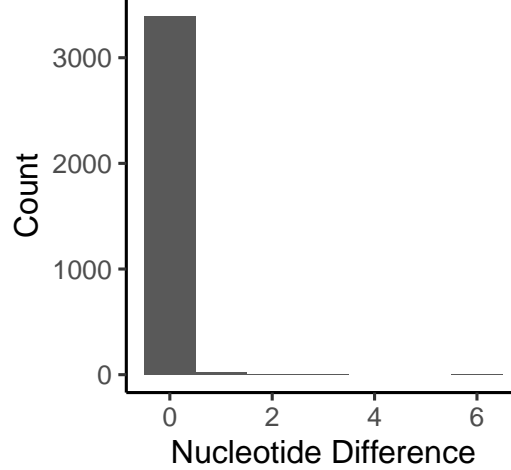
### TRBV21-1\*ap01

5089 sequences assigned  
5041 (99.1%) exact matches, in which:  
5000 unique CDR3  
13 unique J



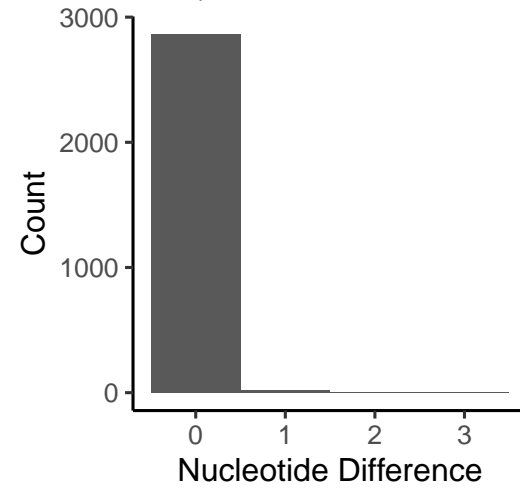
### TRBV11-3\*ap01

3415 sequences assigned  
3391 (99.3%) exact matches, in which:  
3370 unique CDR3  
13 unique J



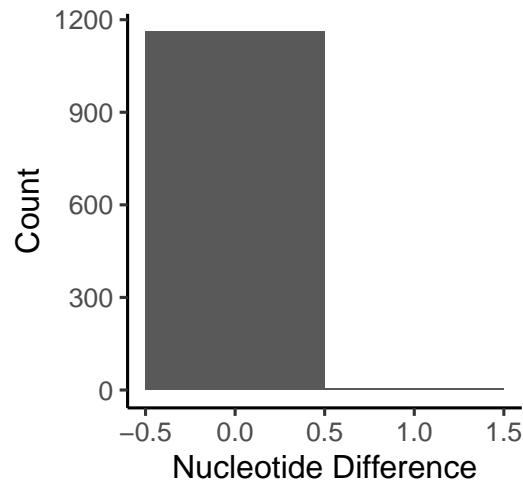
### TRBV12-5\*ap01

2888 sequences assigned  
2862 (99.1%) exact matches, in which:  
2820 unique CDR3  
13 unique J



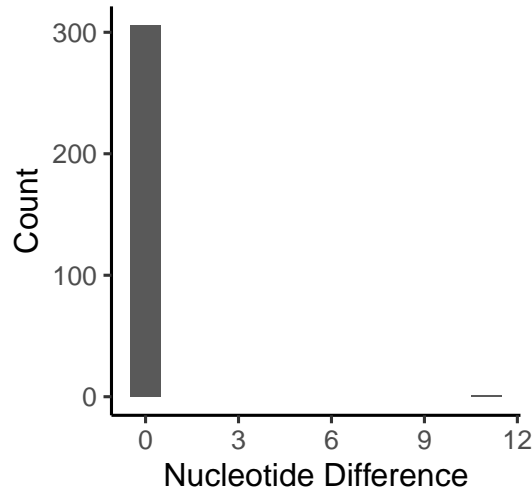
### TRBV11-1\*ap01

1167 sequences assigned  
1161 (99.5%) exact matches, in which:  
1153 unique CDR3  
13 unique J



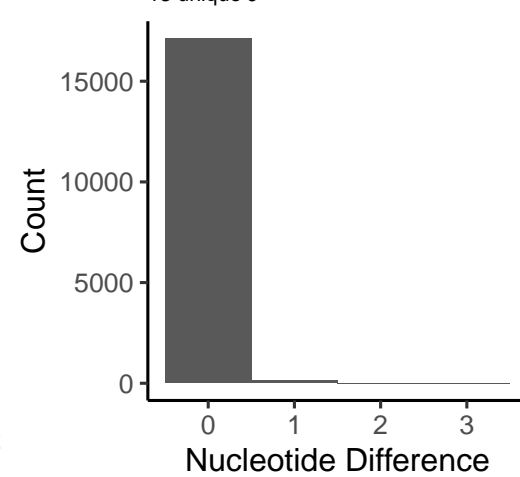
### TRBV12-1\*ap01

307 sequences assigned  
306 (99.7%) exact matches, in which:  
305 unique CDR3  
13 unique J



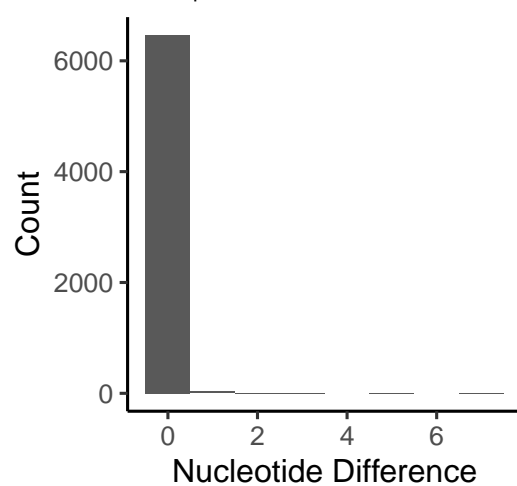
### TRBV12-34\*ap01

17278 sequences assigned  
17124 (99.1%) exact matches, in which:  
16882 unique CDR3  
13 unique J



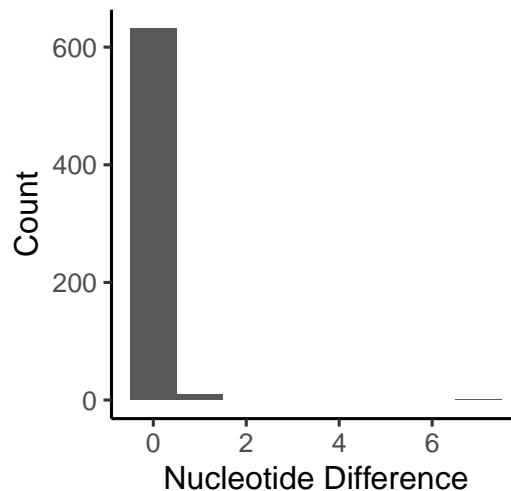
### TRBV11-2\*ap01

6507 sequences assigned  
6465 (99.4%) exact matches, in which:  
6407 unique CDR3  
13 unique J



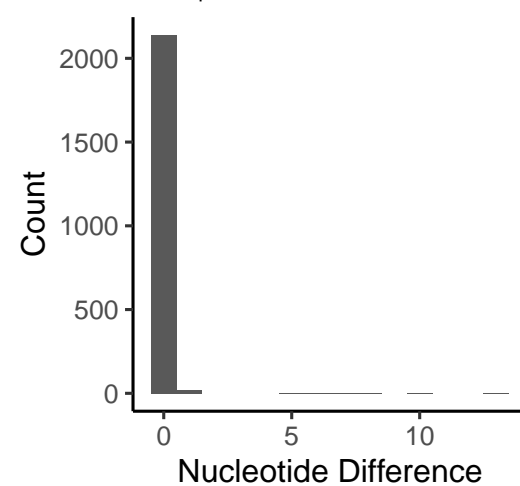
### TRBV12-2\*ap01

643 sequences assigned  
632 (98.3%) exact matches, in which:  
630 unique CDR3  
13 unique J



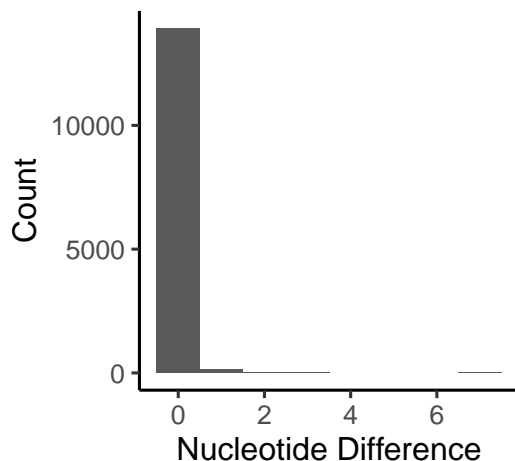
### TRBV23-1\*ap01

2166 sequences assigned  
2139 (98.8%) exact matches, in which:  
2110 unique CDR3  
13 unique J



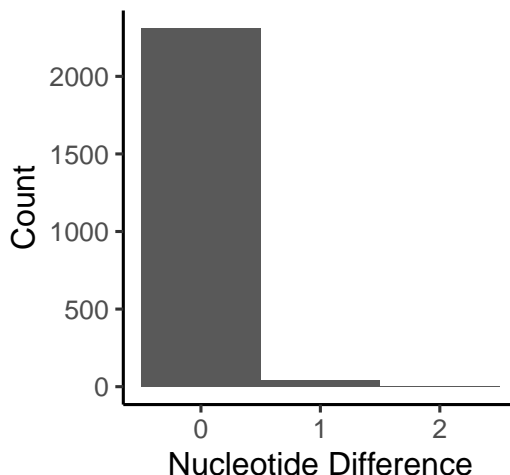
### TRBV3-12\*ap01

14070 sequences assigned  
13928 (99%) exact matches, in which:  
13663 unique CDR3  
13 unique J



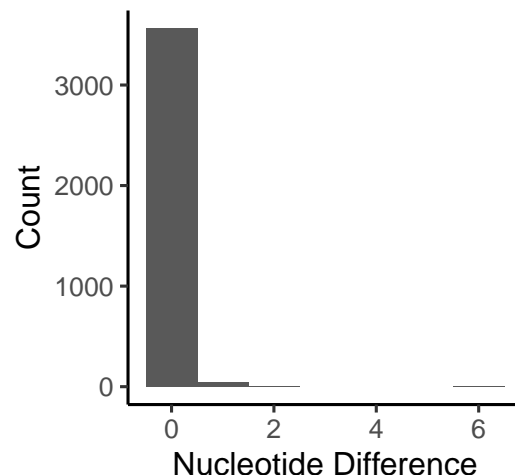
### TRBV4-2\*ap01

2353 sequences assigned  
2309 (98.1%) exact matches, in which:  
2268 unique CDR3  
13 unique J



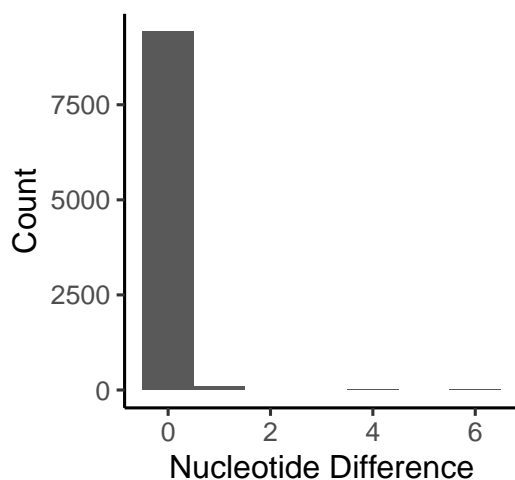
### TRBV25-1\*ap01

3613 sequences assigned  
3563 (98.6%) exact matches, in which:  
3484 unique CDR3  
13 unique J



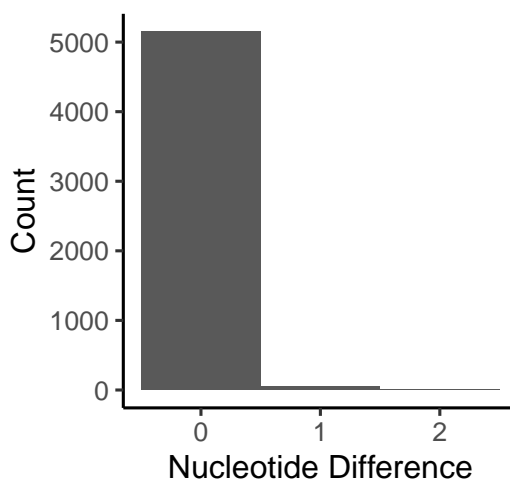
### TRBV4-1\*ap01

9522 sequences assigned  
9420 (98.9%) exact matches, in which:  
9210 unique CDR3  
13 unique J



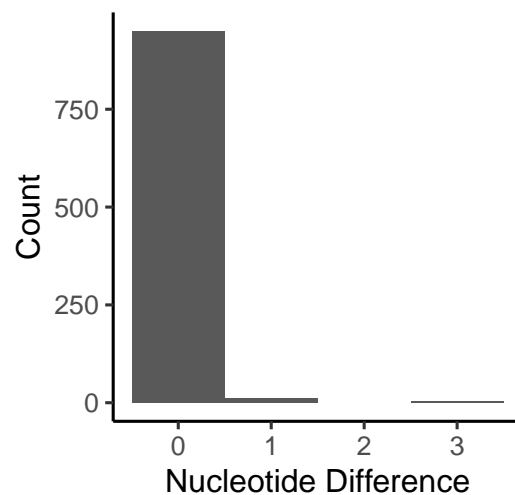
### TRBV4-3\*ap01

5208 sequences assigned  
5149 (98.9%) exact matches, in which:  
5040 unique CDR3  
13 unique J



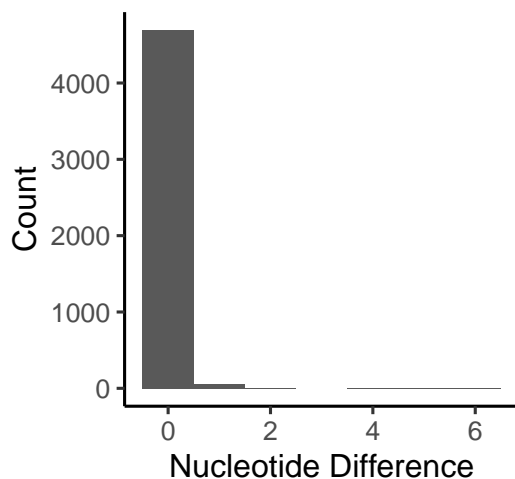
### TRBV5-3\*ap01

965 sequences assigned  
950 (98.4%) exact matches, in which:  
938 unique CDR3  
13 unique J



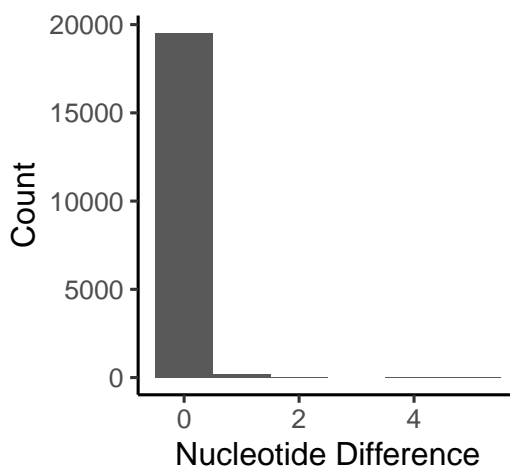
### TRBV24-1\*ap01

4755 sequences assigned  
4694 (98.7%) exact matches, in which:  
4618 unique CDR3  
13 unique J



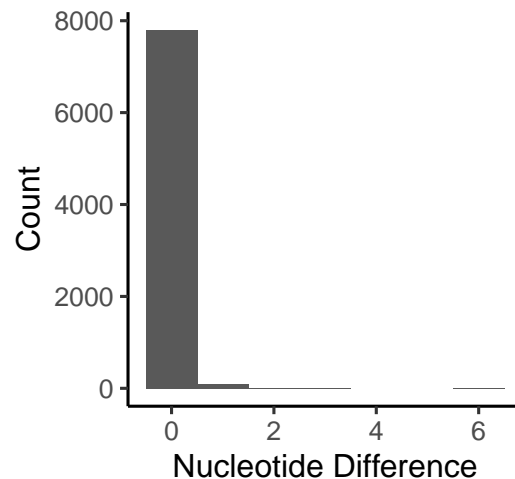
### TRBV5-1\*ap01

19717 sequences assigned  
19537 (99.1%) exact matches, in which:  
19068 unique CDR3  
13 unique J



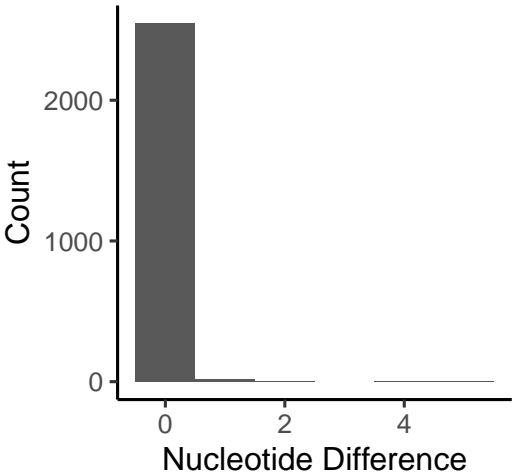
### TRBV5-4\*ap01

7899 sequences assigned  
7797 (98.7%) exact matches, in which:  
7662 unique CDR3  
13 unique J



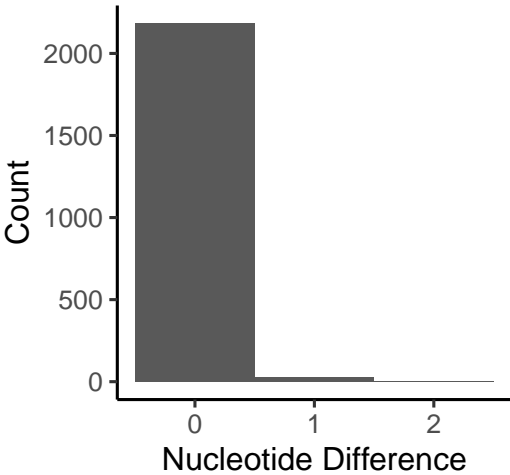
TRBV5-5\*ap01

2565 sequences assigned  
2546 (99.3%) exact matches, in which:  
2517 unique CDR3  
13 unique J



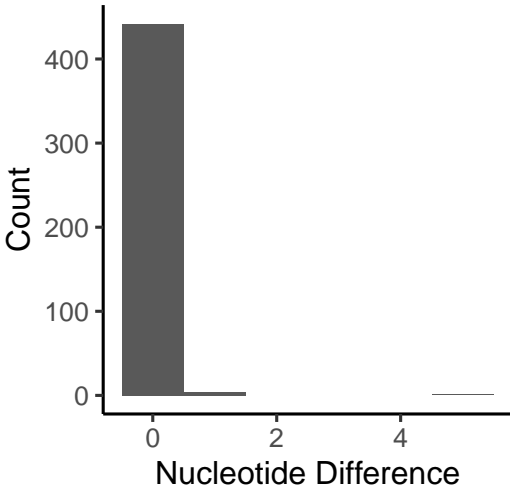
TRBV5-8\*ap01

2209 sequences assigned  
2183 (98.8%) exact matches, in which:  
2165 unique CDR3  
13 unique J



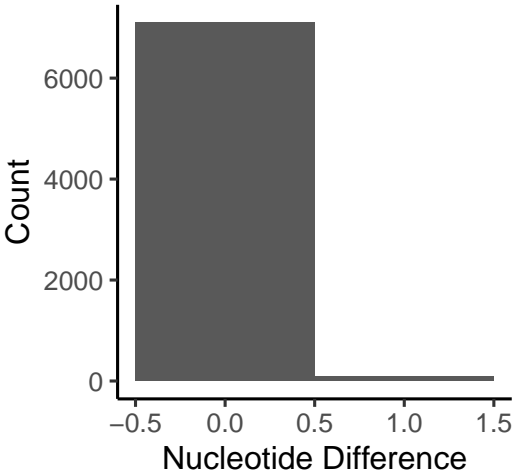
TRBV6-7\*ap01

447 sequences assigned  
442 (98.9%) exact matches, in which:  
436 unique CDR3  
13 unique J



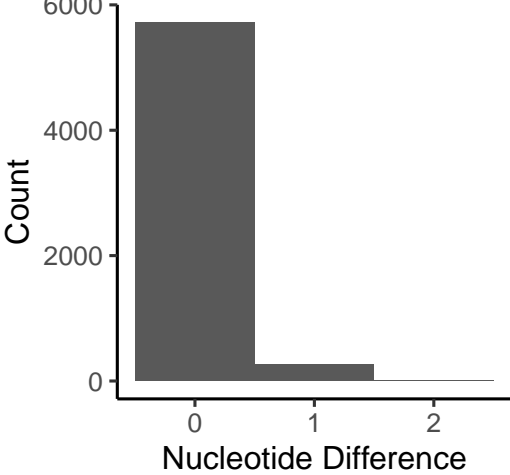
TRBV5-6\*ap01

7177 sequences assigned  
7097 (98.9%) exact matches, in which:  
6897 unique CDR3  
13 unique J



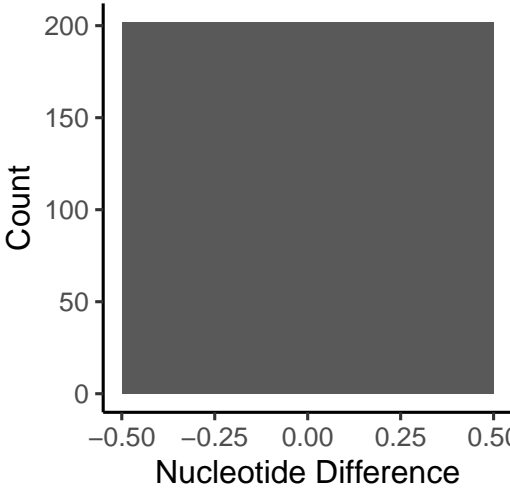
TRBV6-1\*ap01

5973 sequences assigned  
5715 (95.7%) exact matches, in which:  
5604 unique CDR3  
13 unique J



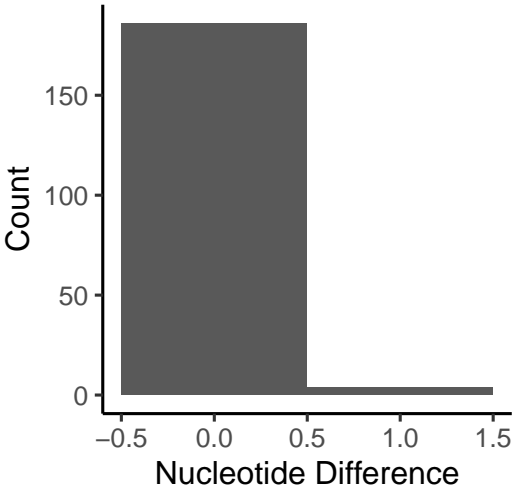
TRBV6-8\*ap01

202 sequences assigned  
202 (100%) exact matches, in which:  
200 unique CDR3  
13 unique J



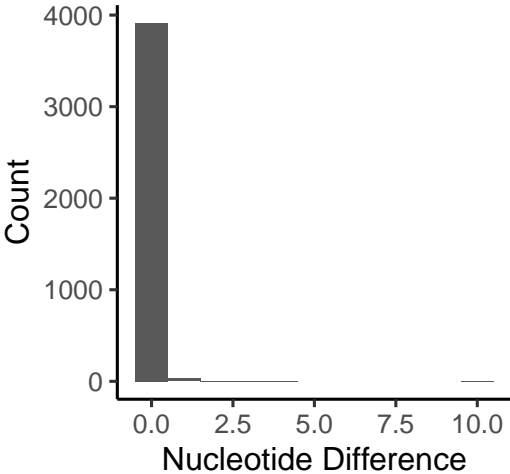
TRBV5-7\*ap01

190 sequences assigned  
186 (97.9%) exact matches, in which:  
180 unique CDR3  
13 unique J



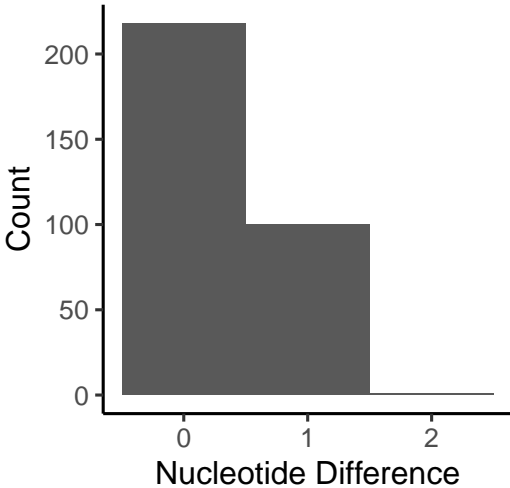
TRBV6-4\*ap01

3952 sequences assigned  
3913 (99%) exact matches, in which:  
3864 unique CDR3  
13 unique J



TRBV6-9\*ap01

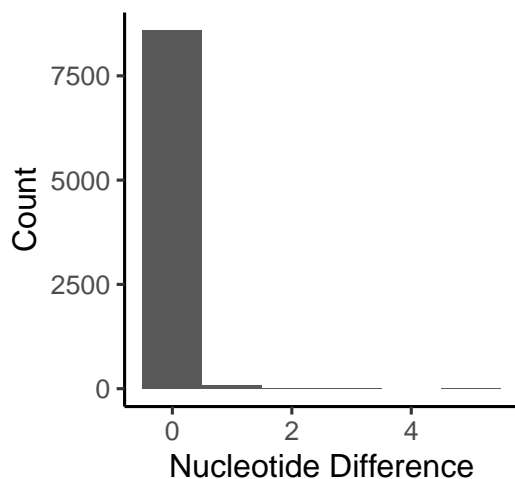
319 sequences assigned  
218 (68.3%) exact matches, in which:  
216 unique CDR3  
13 unique J





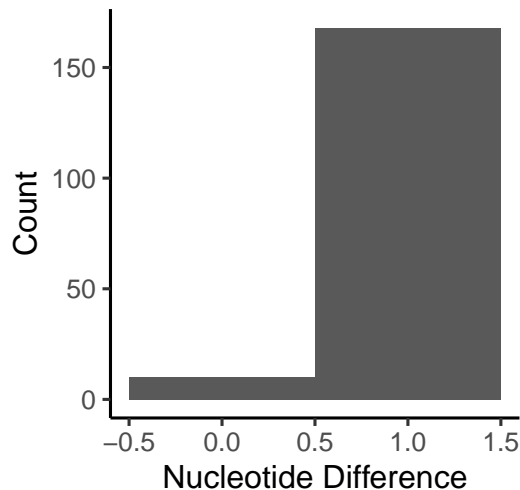
### TRBV6-23\*ap01

8674 sequences assigned  
8589 (99%) exact matches, in which:  
8363 unique CDR3  
13 unique J



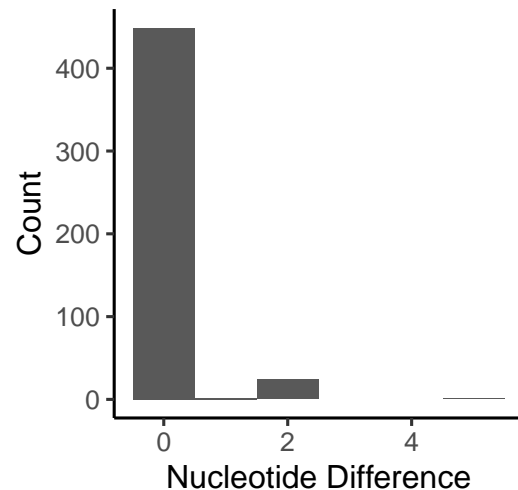
### TRBV7-1\*ap01\_T296C

178 sequences assigned  
10 (5.6%) exact matches, in which:  
10 unique CDR3  
9 unique J



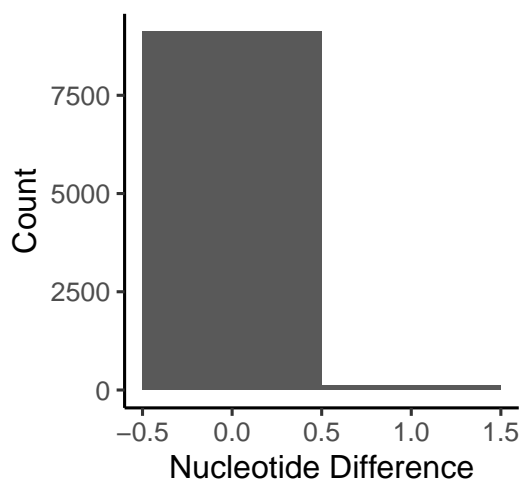
### TRBV7-4\*ap01

476 sequences assigned  
449 (94.3%) exact matches, in which:  
439 unique CDR3  
13 unique J



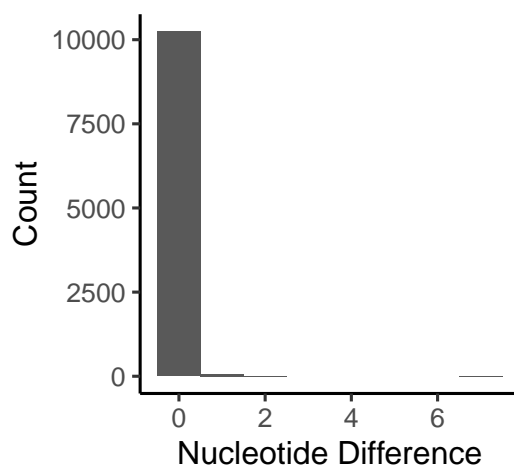
### TRBV6-56\*ap01

9237 sequences assigned  
9118 (98.7%) exact matches, in which:  
8858 unique CDR3  
13 unique J



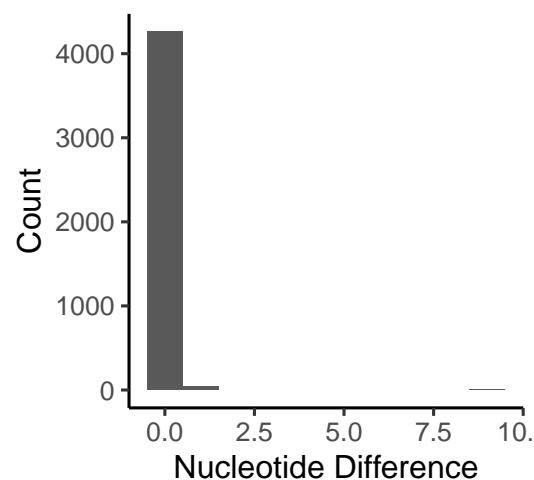
### TRBV7-2\*ap01

10315 sequences assigned  
10244 (99.3%) exact matches, in which:  
10117 unique CDR3  
13 unique J



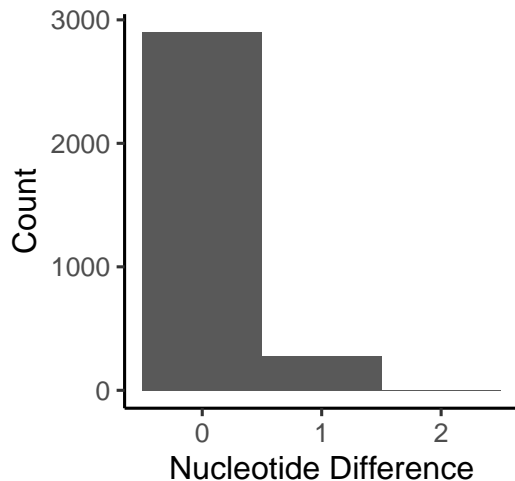
### TRBV7-6\*ap01

4302 sequences assigned  
4261 (99%) exact matches, in which:  
4178 unique CDR3  
13 unique J



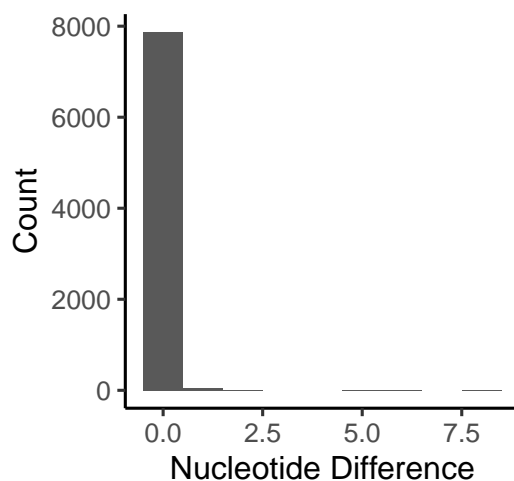
### TRBV6-56\*ap02

3184 sequences assigned  
2901 (91.1%) exact matches, in which:  
2829 unique CDR3  
13 unique J



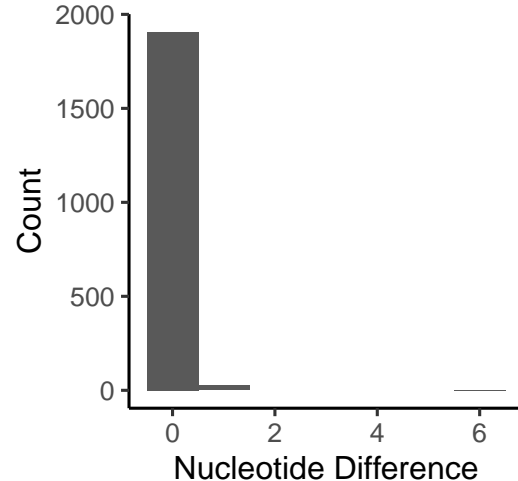
### TRBV7-3\*ap01

7925 sequences assigned  
7871 (99.3%) exact matches, in which:  
7807 unique CDR3  
13 unique J



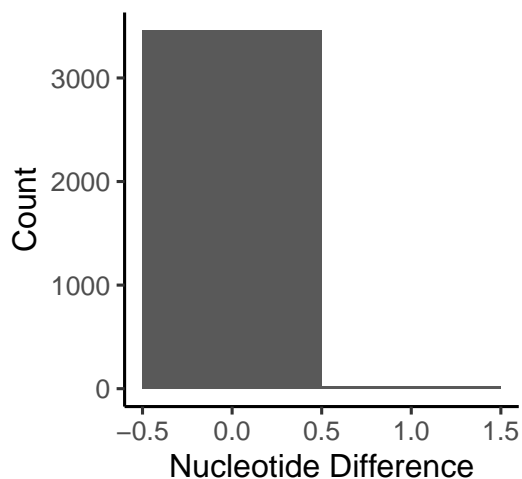
### TRBV7-7\*ap01\_C315T

1933 sequences assigned  
1906 (98.6%) exact matches, in which:  
1872 unique CDR3  
13 unique J



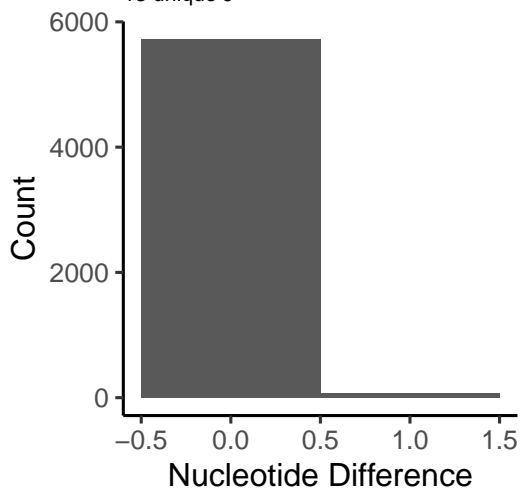
### TRBV7-8\*ap01

3487 sequences assigned  
3459 (99.2%) exact matches, in which:  
3404 unique CDR3  
13 unique J



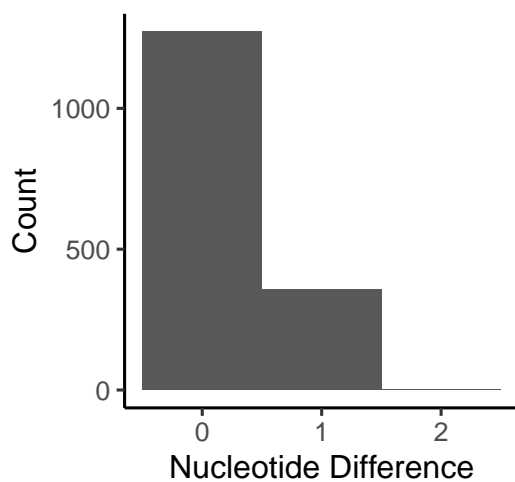
### TRBV29-1\*ap01

5793 sequences assigned  
5720 (98.7%) exact matches, in which:  
5529 unique CDR3  
13 unique J



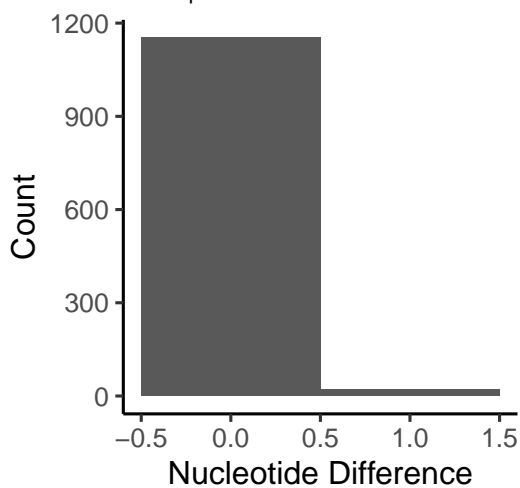
### TRBV7-8\*ap03

1631 sequences assigned  
1272 (78%) exact matches, in which:  
1248 unique CDR3  
13 unique J



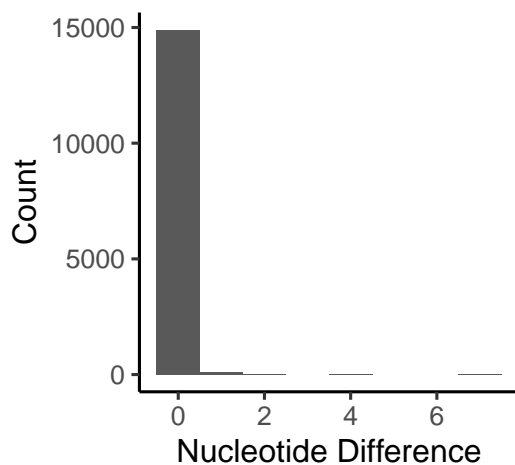
### TRBV29-1\*ap02

1173 sequences assigned  
1153 (98.3%) exact matches, in which:  
1114 unique CDR3  
13 unique J

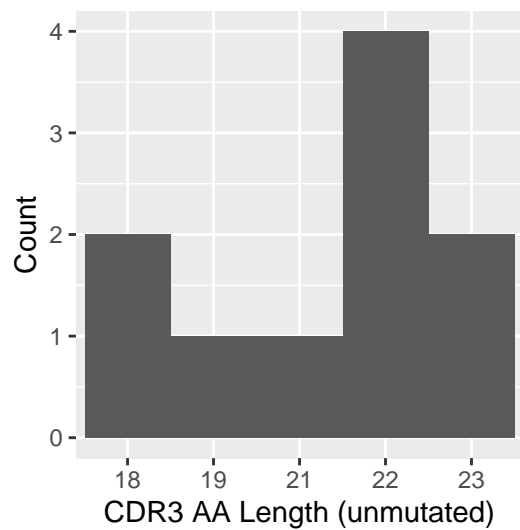


### TRBV7-9\*ap01

15026 sequences assigned  
14901 (99.2%) exact matches, in which:  
14707 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

