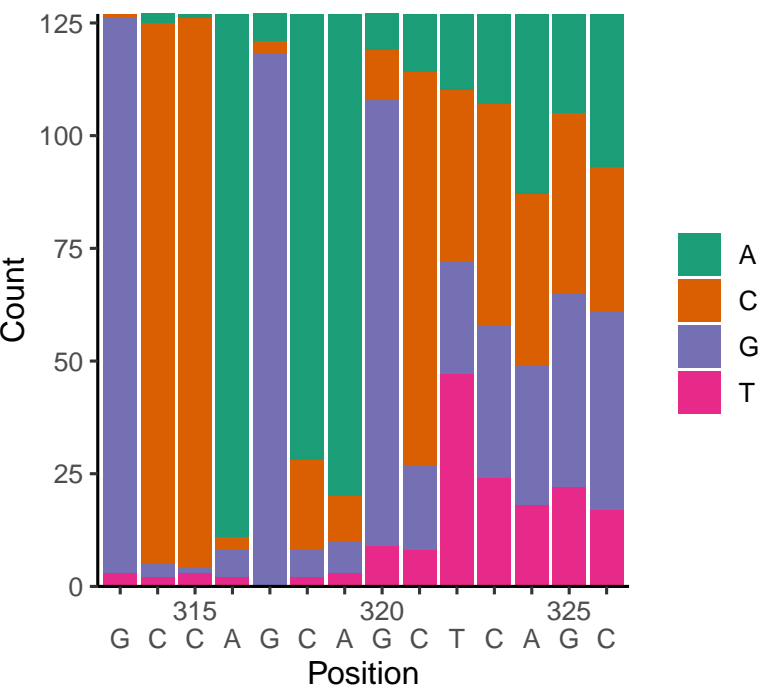
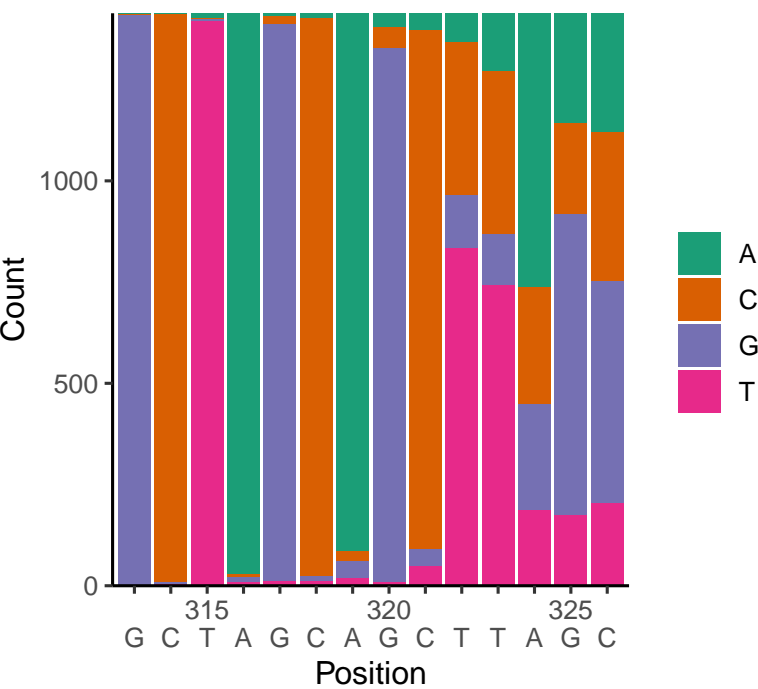


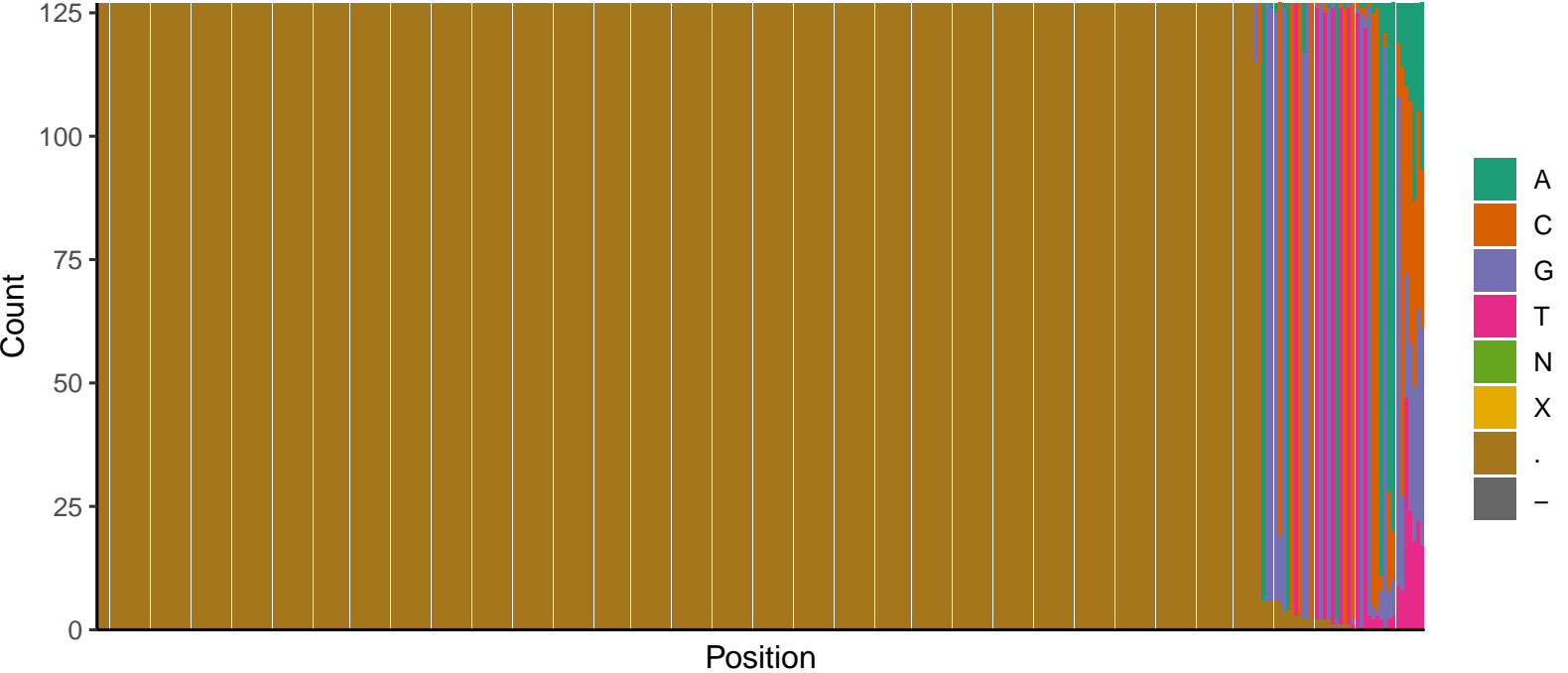
Gene TRBV7-1\*ap01\_T296C



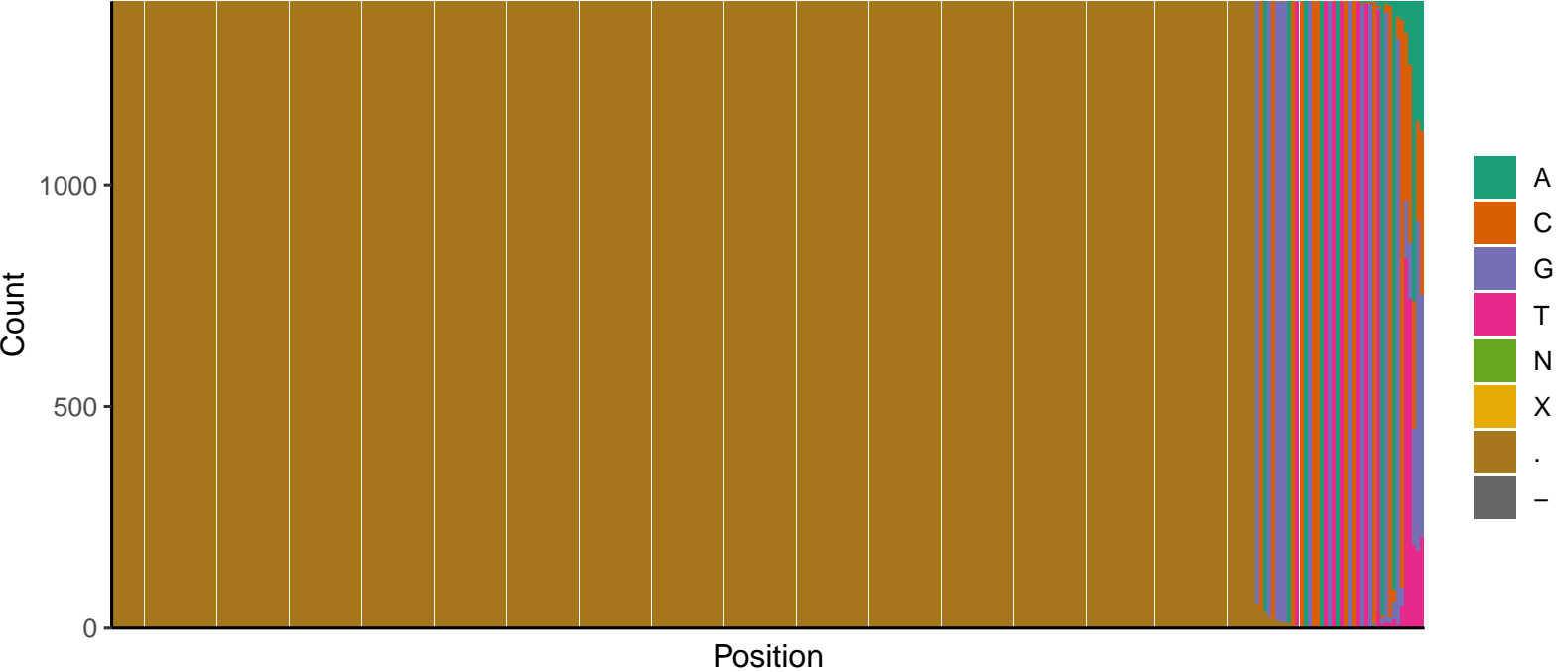
Gene TRBV7-7\*ap01\_C315T



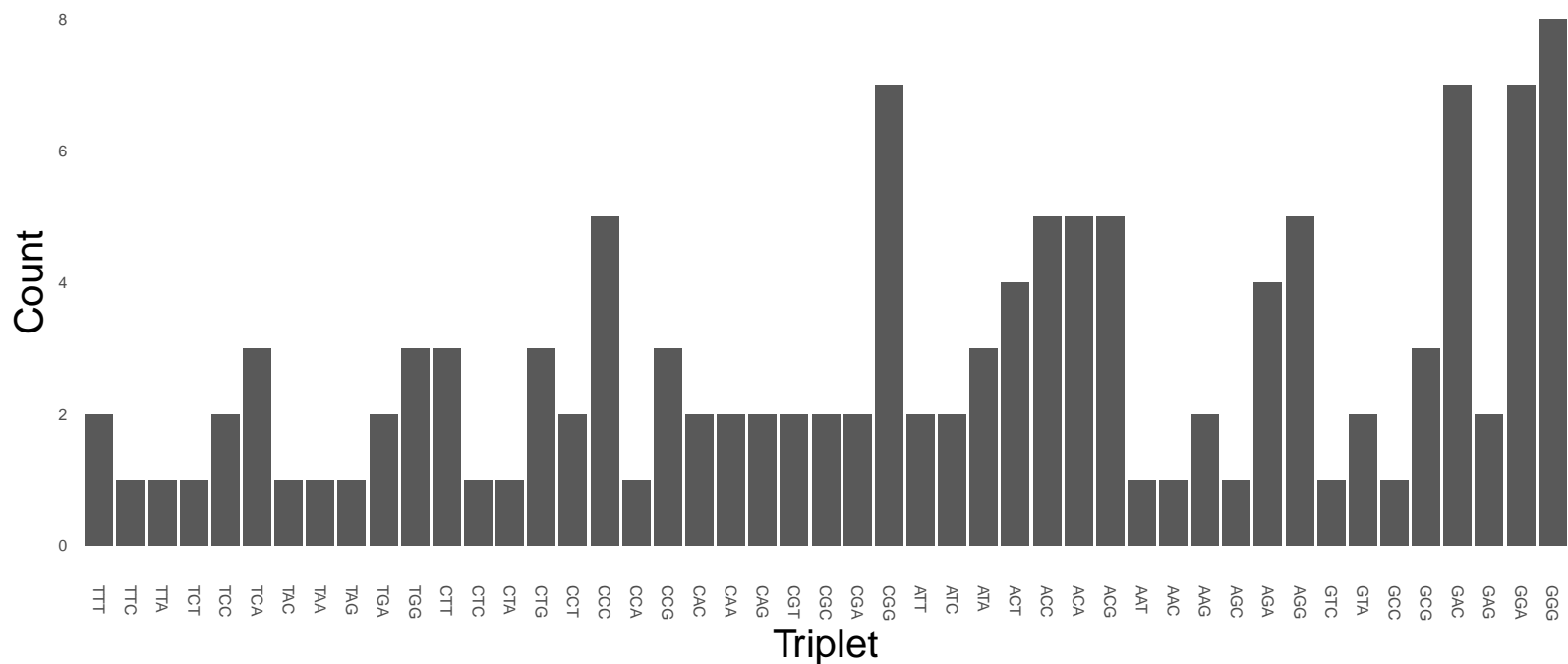
Gene TRBV7-1\*ap01\_T296C



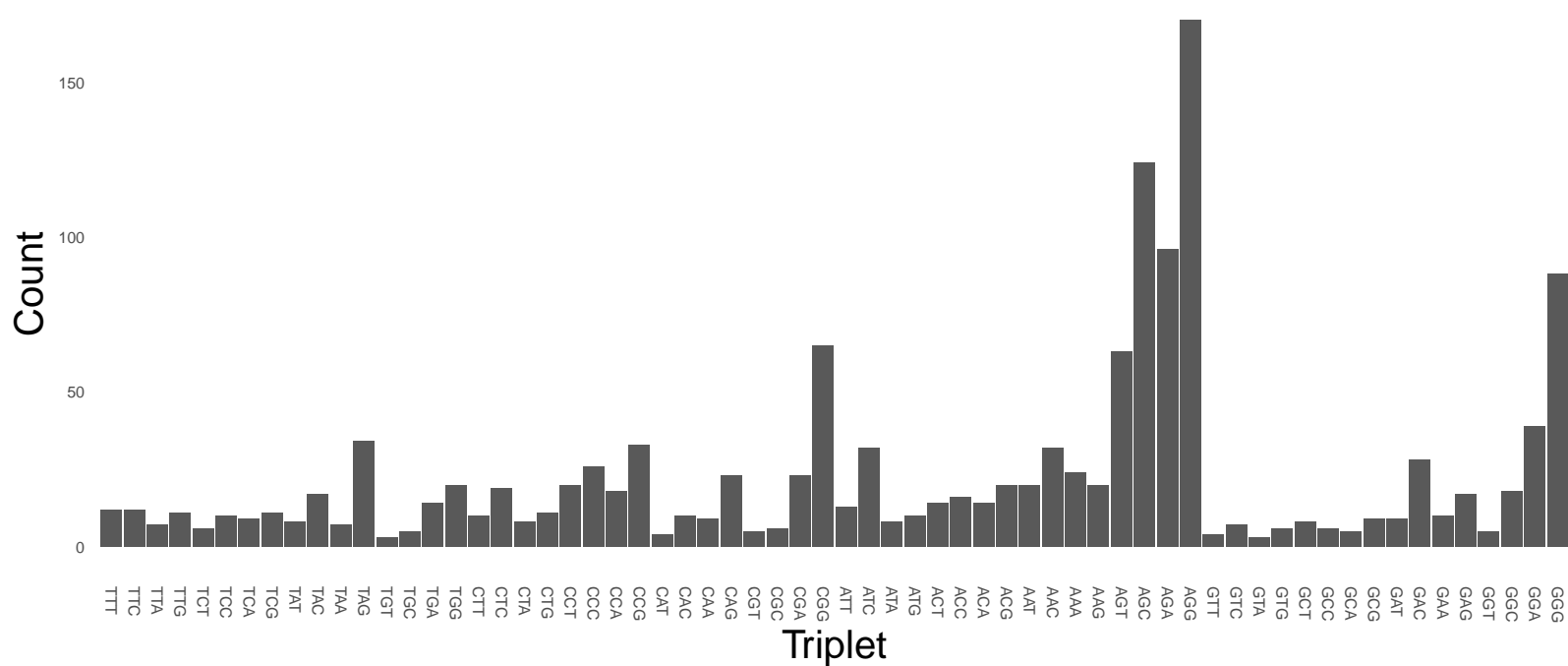
Gene TRBV7-7\*ap01\_C315T



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

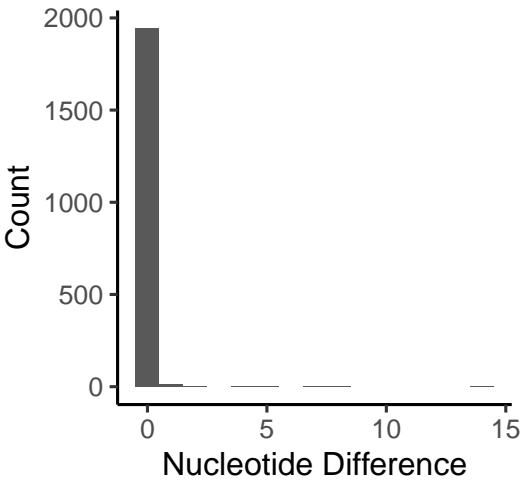


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



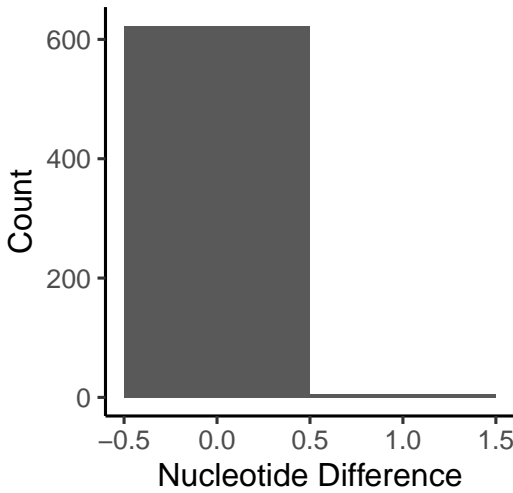
TRBV10-1\*ap01

1966 sequences assigned  
1943 (98.8%) exact matches, in which:  
1927 unique CDR3  
13 unique J



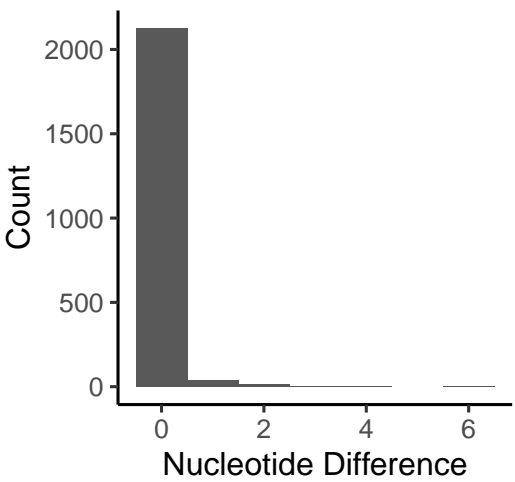
TRBV10-2\*ap01

629 sequences assigned  
623 (99%) exact matches, in which:  
619 unique CDR3  
13 unique J



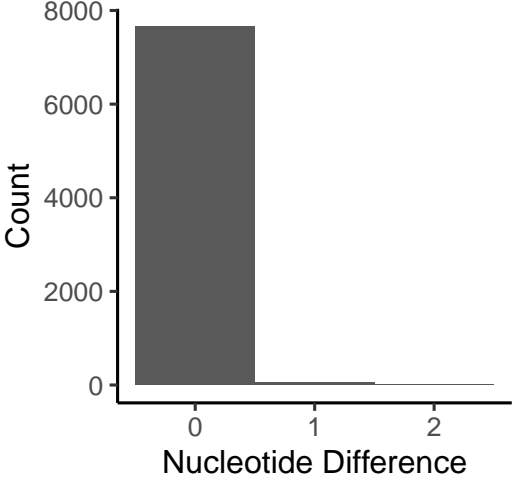
TRBV13\*ap01

2183 sequences assigned  
2125 (97.3%) exact matches, in which:  
2099 unique CDR3  
13 unique J



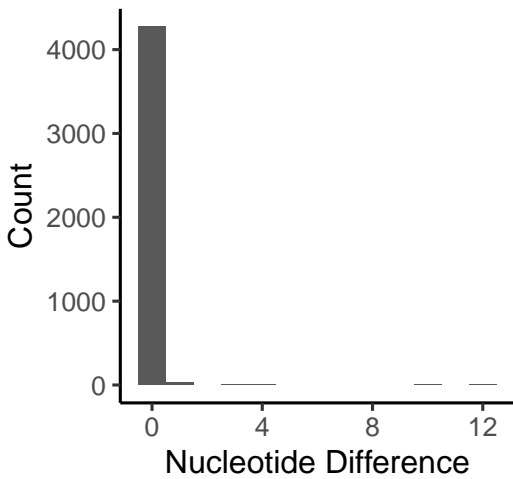
TRBV20-1\*ap01

7716 sequences assigned  
7653 (99.2%) exact matches, in which:  
7591 unique CDR3  
13 unique J



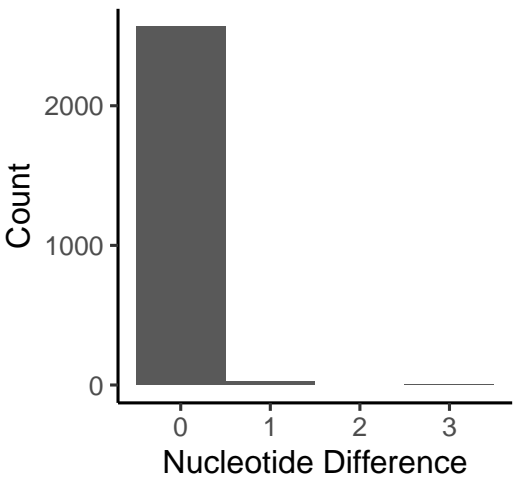
TRBV10-3\*ap01

4309 sequences assigned  
4273 (99.2%) exact matches, in which:  
4238 unique CDR3  
13 unique J



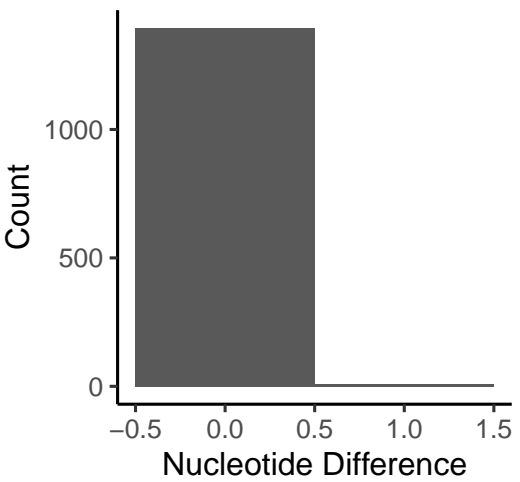
TRBV14\*ap01

2591 sequences assigned  
2566 (99%) exact matches, in which:  
2556 unique CDR3  
13 unique J



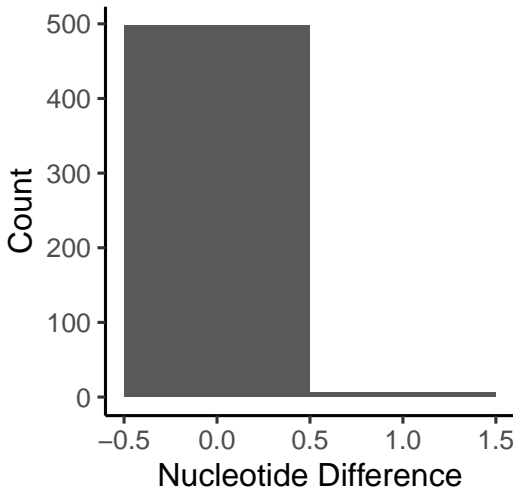
TRBV20-1\*ap02

1405 sequences assigned  
1395 (99.3%) exact matches, in which:  
1383 unique CDR3  
13 unique J



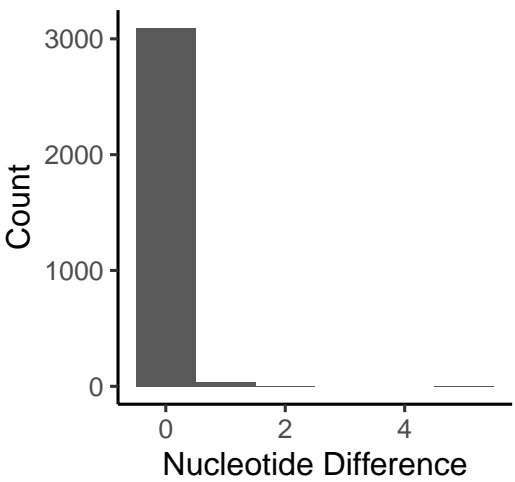
TRBV1\*ap01

504 sequences assigned  
498 (98.8%) exact matches, in which:  
488 unique CDR3  
13 unique J



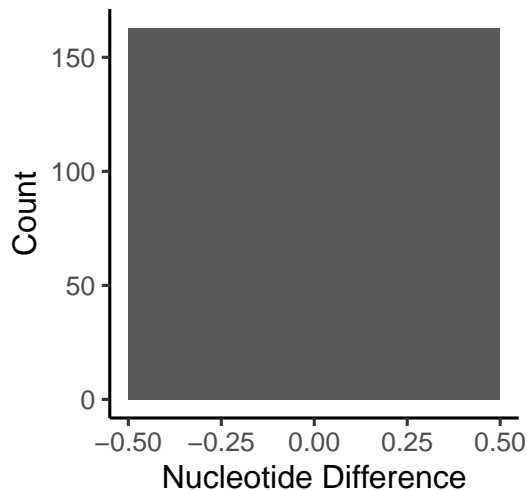
TRBV15\*ap02

3135 sequences assigned  
3093 (98.7%) exact matches, in which:  
3052 unique CDR3  
13 unique J



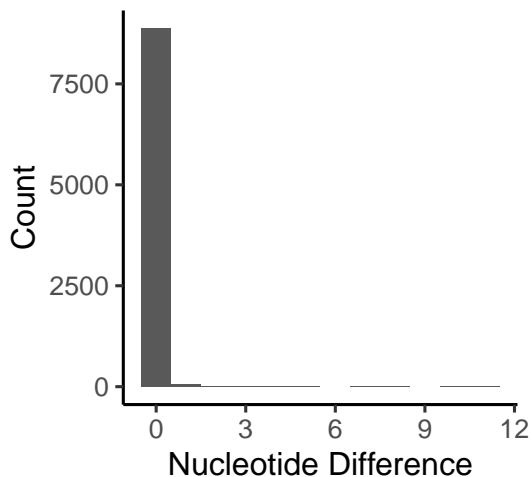
### TRBV16\*ap01

163 sequences assigned  
163 (100%) exact matches, in which:  
162 unique CDR3  
13 unique J



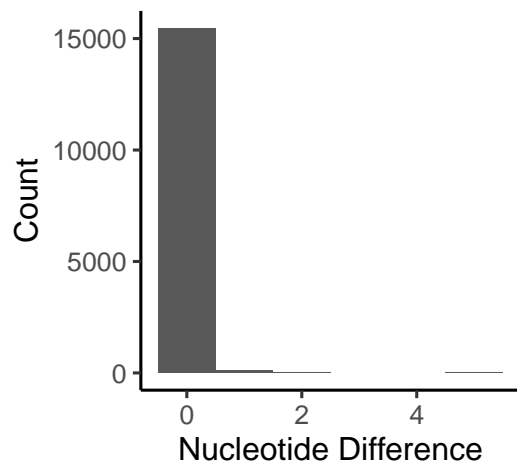
### TRBV19\*ap01

8953 sequences assigned  
8874 (99.1%) exact matches, in which:  
8837 unique CDR3  
13 unique J



### TRBV28\*ap01

15593 sequences assigned  
15467 (99.2%) exact matches, in which:  
15375 unique CDR3  
13 unique J



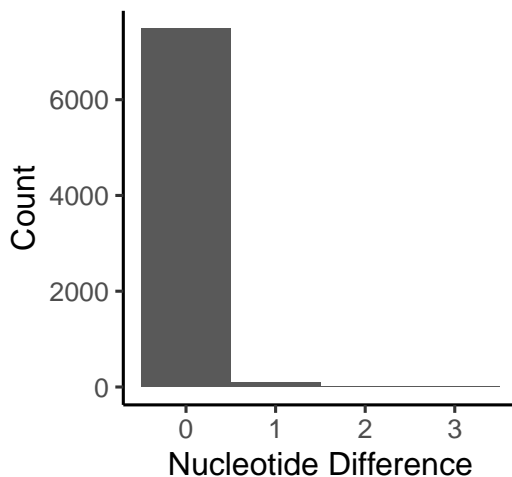
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



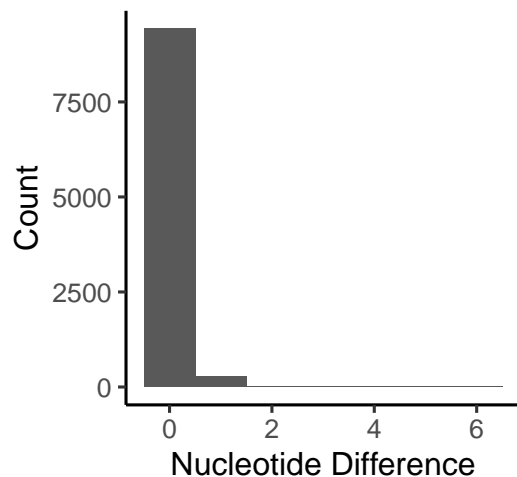
### TRBV2\*ap01

7584 sequences assigned  
7482 (98.7%) exact matches, in which:  
7411 unique CDR3  
13 unique J



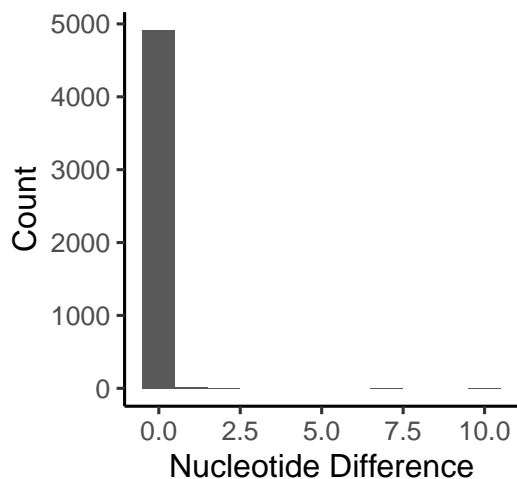
### TRBV30\*ap01

9728 sequences assigned  
9426 (96.9%) exact matches, in which:  
9215 unique CDR3  
13 unique J



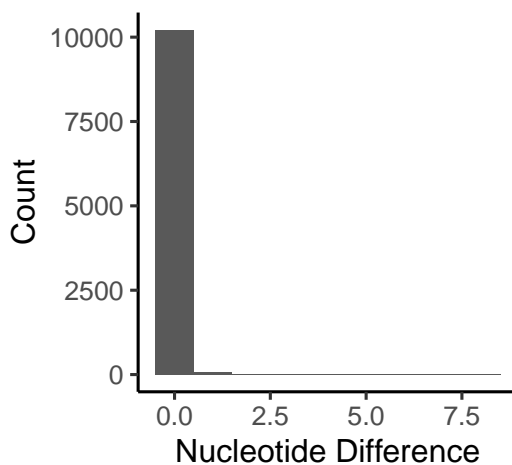
### TRBV18\*ap01

4937 sequences assigned  
4916 (99.6%) exact matches, in which:  
4900 unique CDR3  
13 unique J



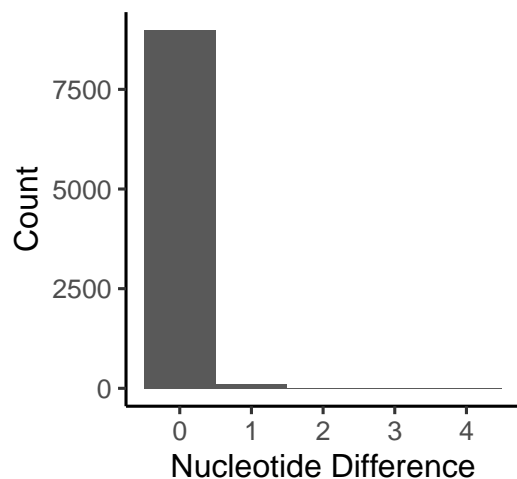
### TRBV27\*ap01

10323 sequences assigned  
10218 (99%) exact matches, in which:  
10116 unique CDR3  
13 unique J



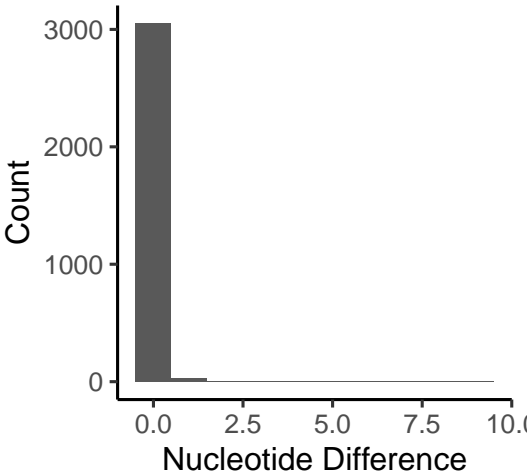
### TRBV9\*ap01

9105 sequences assigned  
8988 (98.7%) exact matches, in which:  
8934 unique CDR3  
13 unique J



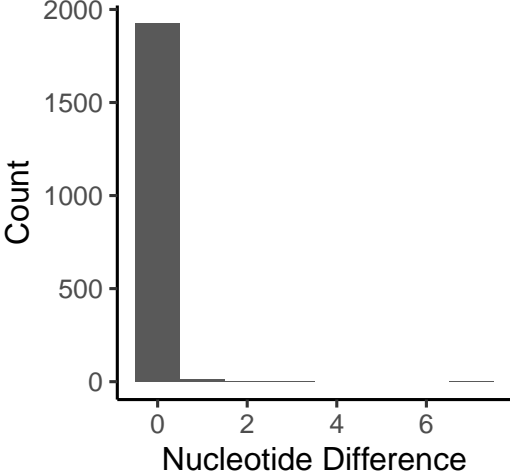
TRBV21-1\*ap01

3101 sequences assigned  
3051 (98.4%) exact matches, in which:  
3042 unique CDR3  
13 unique J



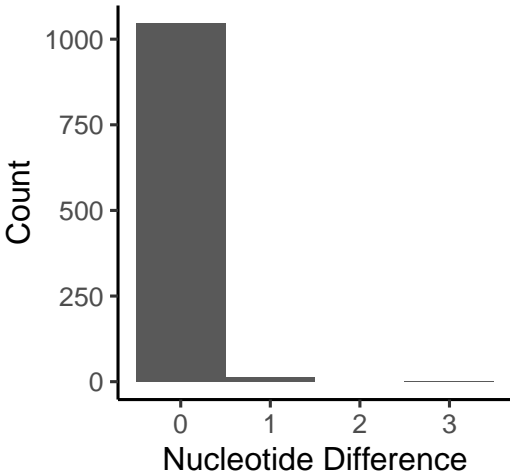
TRBV11-3\*ap01

1943 sequences assigned  
1925 (99.1%) exact matches, in which:  
1917 unique CDR3  
13 unique J



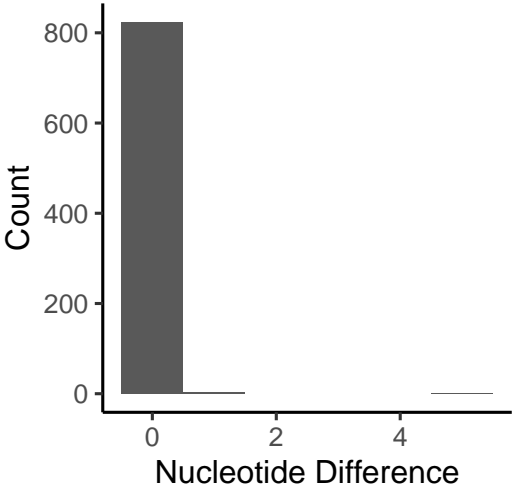
TRBV12-5\*ap01

1060 sequences assigned  
1046 (98.7%) exact matches, in which:  
1041 unique CDR3  
13 unique J



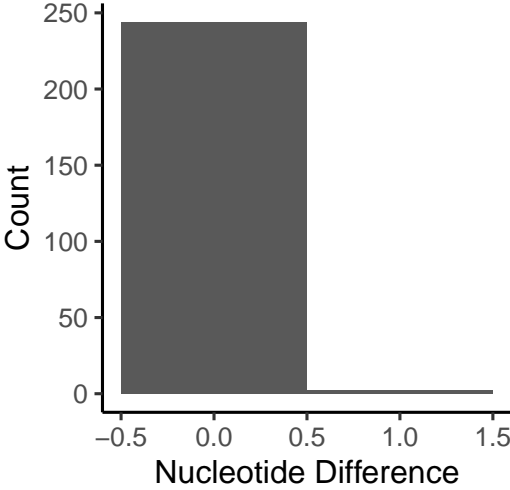
TRBV11-1\*ap01

828 sequences assigned  
824 (99.5%) exact matches, in which:  
820 unique CDR3  
13 unique J



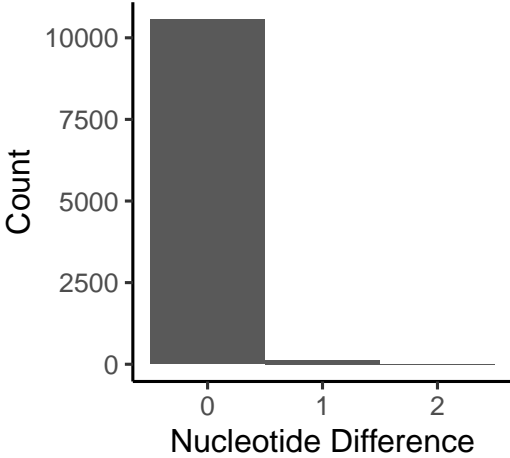
TRBV12-1\*ap01

246 sequences assigned  
244 (99.2%) exact matches, in which:  
243 unique CDR3  
13 unique J



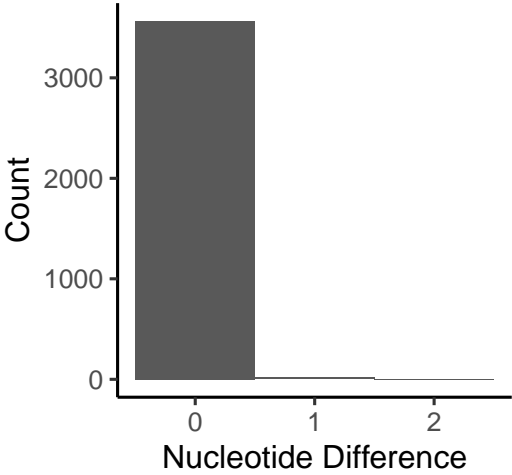
TRBV12-34\*ap01

10703 sequences assigned  
10561 (98.7%) exact matches, in which:  
10433 unique CDR3  
13 unique J



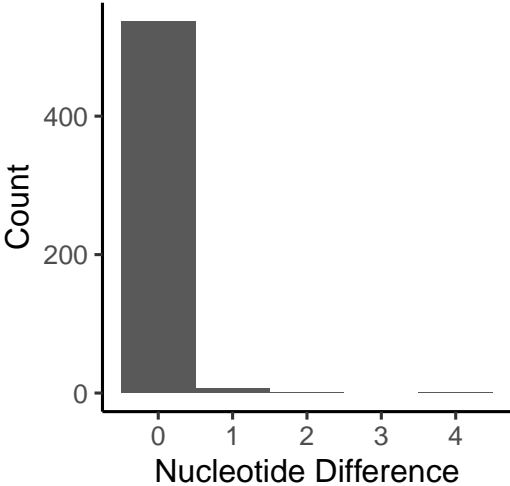
TRBV11-2\*ap01

3585 sequences assigned  
3565 (99.4%) exact matches, in which:  
3544 unique CDR3  
13 unique J



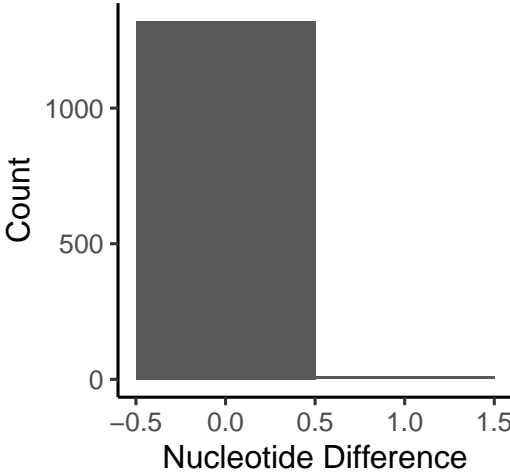
TRBV12-2\*ap01

545 sequences assigned  
537 (98.5%) exact matches, in which:  
535 unique CDR3  
13 unique J



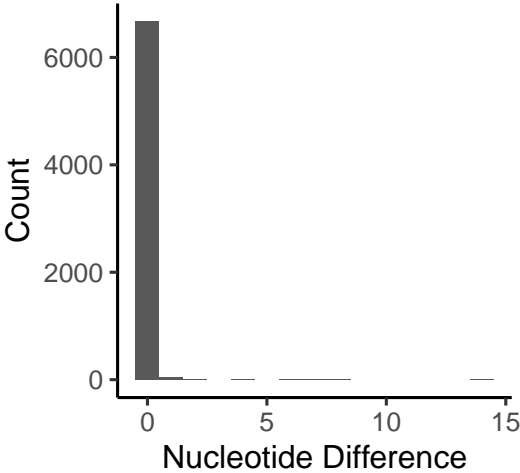
TRBV23-1\*ap01

1331 sequences assigned  
1321 (99.2%) exact matches, in which:  
1318 unique CDR3  
13 unique J



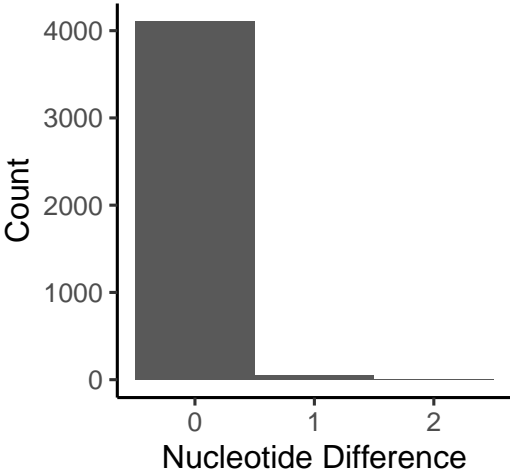
TRBV3-12\*ap01

6736 sequences assigned  
6671 (99%) exact matches, in which:  
6638 unique CDR3  
13 unique J



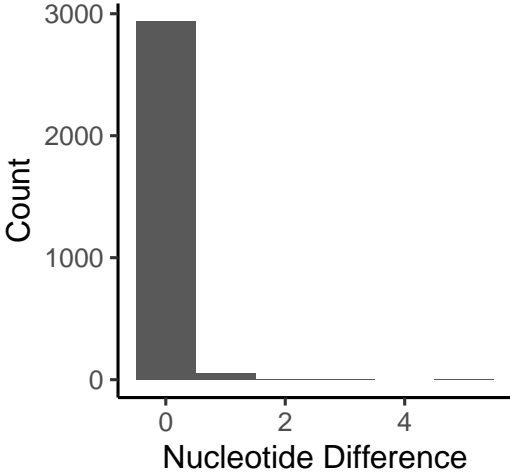
TRBV4-2\*ap01

4164 sequences assigned  
4106 (98.6%) exact matches, in which:  
4066 unique CDR3  
14 unique J



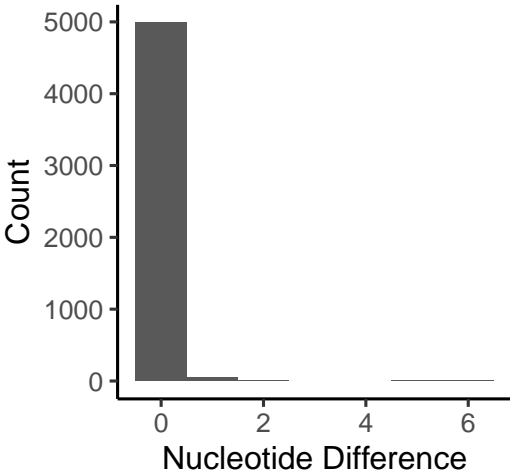
TRBV25-1\*ap01

2993 sequences assigned  
2937 (98.1%) exact matches, in which:  
2887 unique CDR3  
13 unique J



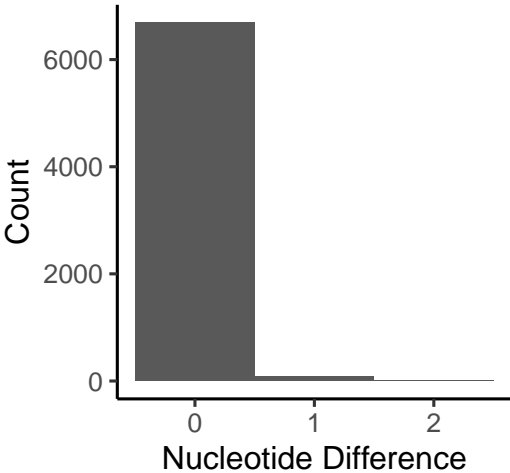
TRBV4-1\*ap01

5046 sequences assigned  
4988 (98.9%) exact matches, in which:  
4947 unique CDR3  
13 unique J



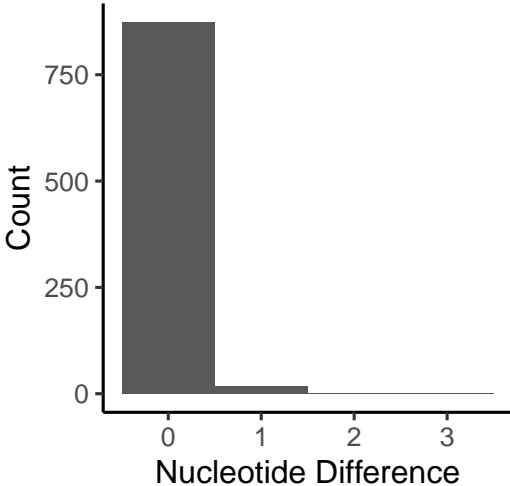
TRBV4-3\*ap01

6771 sequences assigned  
6688 (98.8%) exact matches, in which:  
6633 unique CDR3  
13 unique J



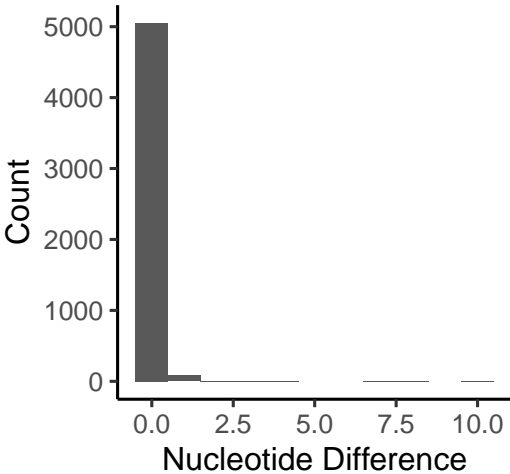
TRBV5-3\*ap01

894 sequences assigned  
874 (97.8%) exact matches, in which:  
866 unique CDR3  
13 unique J



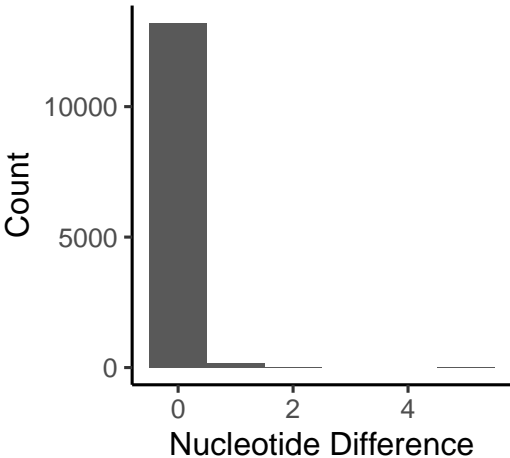
TRBV24-1\*ap01

5143 sequences assigned  
5051 (98.2%) exact matches, in which:  
4982 unique CDR3  
13 unique J



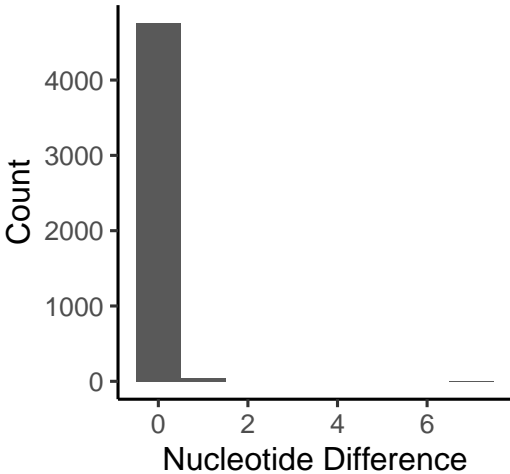
TRBV5-1\*ap01

13410 sequences assigned  
13213 (98.5%) exact matches, in which:  
13076 unique CDR3  
13 unique J



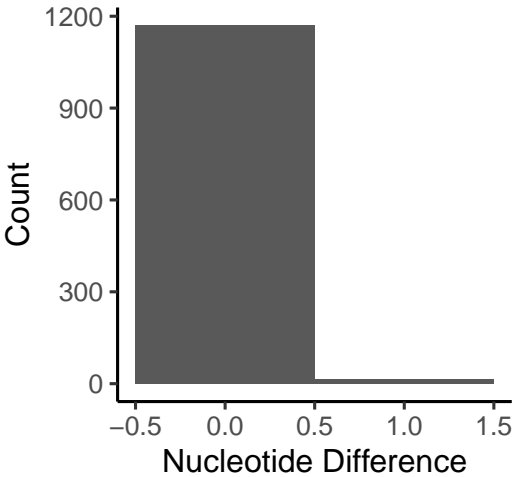
TRBV5-4\*ap01

4803 sequences assigned  
4757 (99%) exact matches, in which:  
4715 unique CDR3  
13 unique J



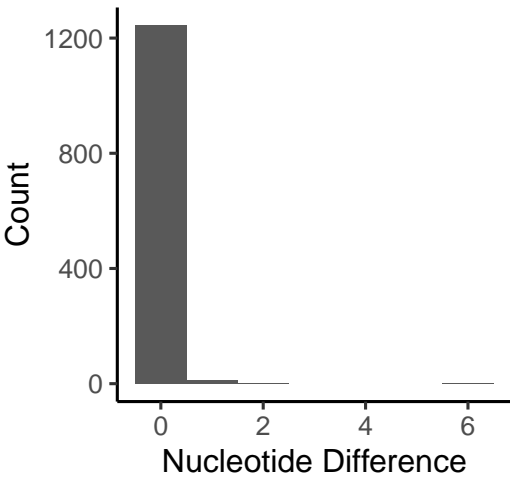
TRBV5-5\*ap01

1185 sequences assigned  
1170 (98.7%) exact matches, in which:  
1164 unique CDR3  
13 unique J



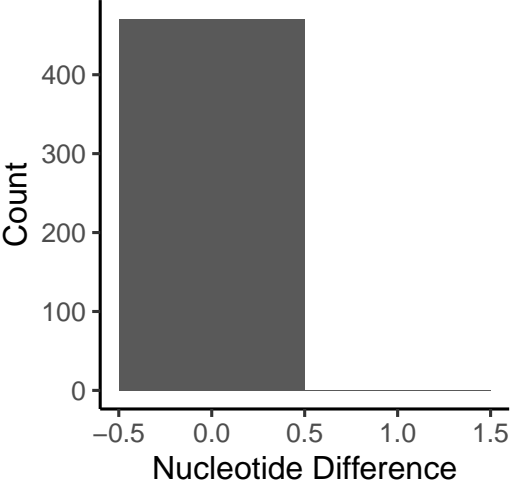
TRBV5-8\*ap01

1262 sequences assigned  
1244 (98.6%) exact matches, in which:  
1233 unique CDR3  
13 unique J



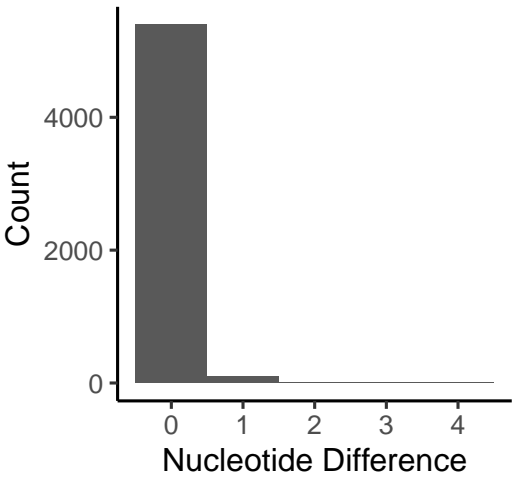
TRBV6-7\*ap01

472 sequences assigned  
471 (99.8%) exact matches, in which:  
465 unique CDR3  
13 unique J



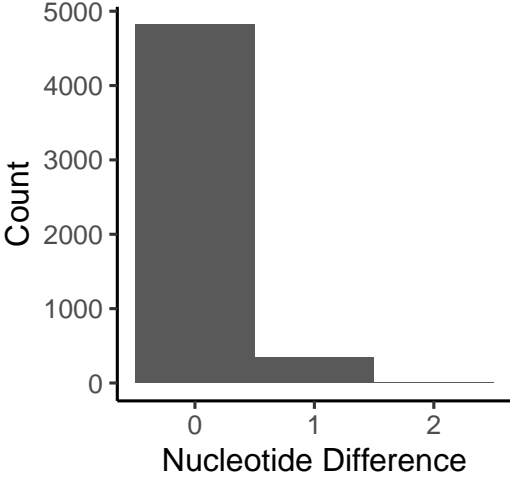
TRBV5-6\*ap01

5501 sequences assigned  
5394 (98.1%) exact matches, in which:  
5290 unique CDR3  
13 unique J



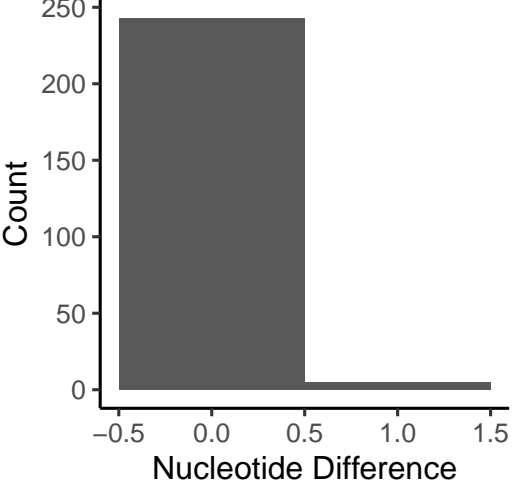
TRBV6-1\*ap01

5172 sequences assigned  
4818 (93.2%) exact matches, in which:  
4745 unique CDR3  
13 unique J



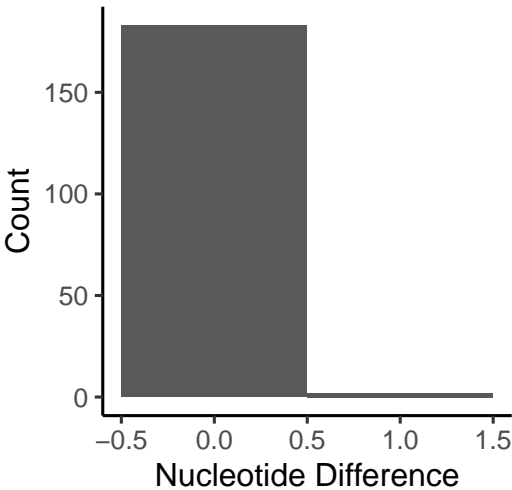
TRBV6-8\*ap01

248 sequences assigned  
243 (98%) exact matches, in which:  
237 unique CDR3  
13 unique J



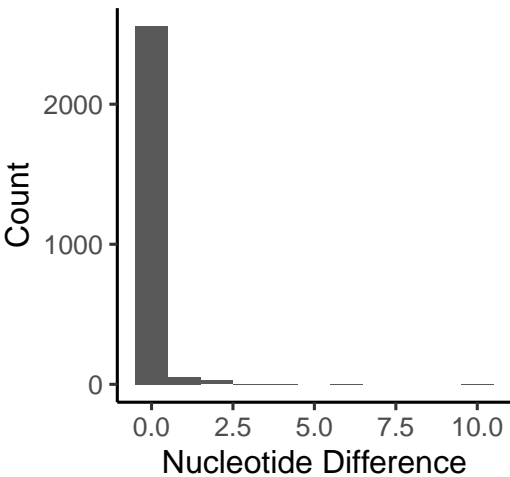
TRBV5-7\*ap01

185 sequences assigned  
183 (98.9%) exact matches, in which:  
179 unique CDR3  
13 unique J



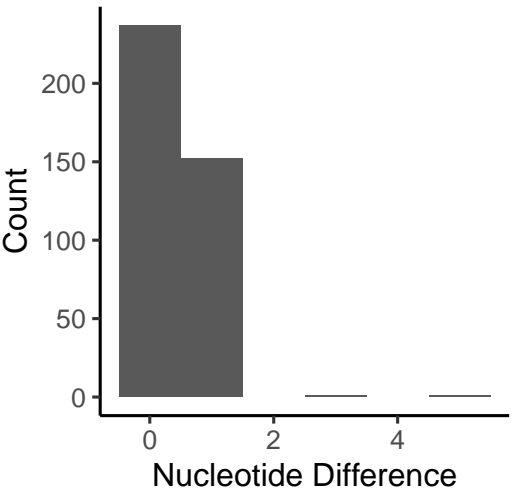
TRBV6-4\*ap01

2640 sequences assigned  
2558 (96.9%) exact matches, in which:  
2527 unique CDR3  
13 unique J



TRBV6-9\*ap01

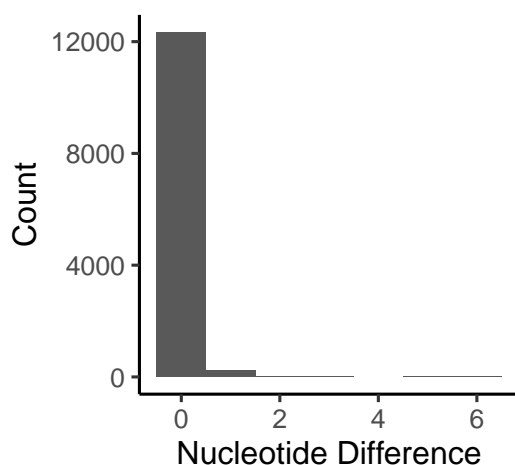
391 sequences assigned  
237 (60.6%) exact matches, in which:  
232 unique CDR3  
13 unique J





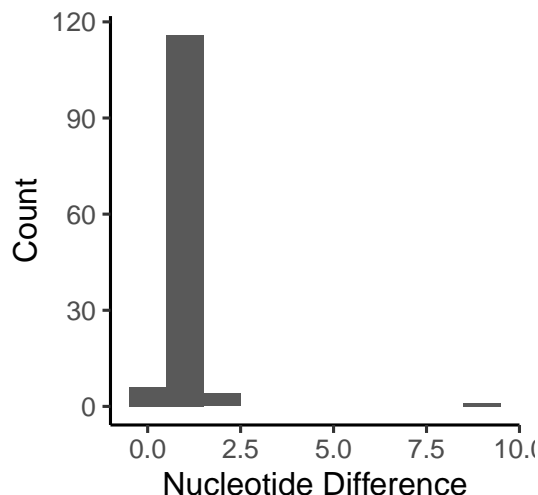
### TRBV6-23\*ap01

12584 sequences assigned  
12340 (98.1%) exact matches, in which:  
12128 unique CDR3  
13 unique J



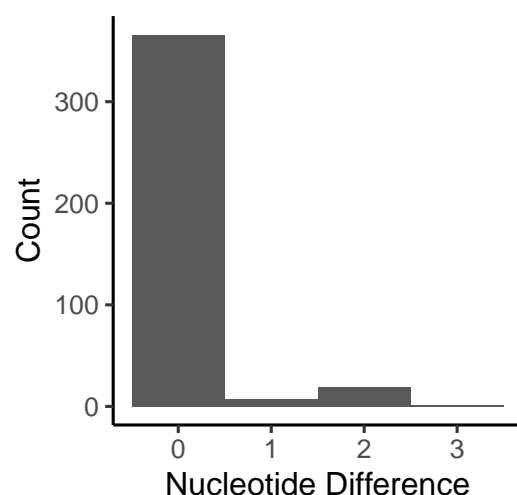
### TRBV7-1\*ap01\_T296C

127 sequences assigned  
6 (4.7%) exact matches, in which:  
6 unique CDR3  
3 unique J



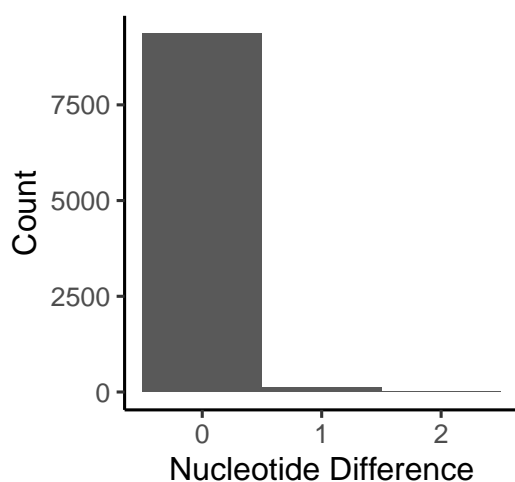
### TRBV7-4\*ap01

393 sequences assigned  
366 (93.1%) exact matches, in which:  
361 unique CDR3  
13 unique J



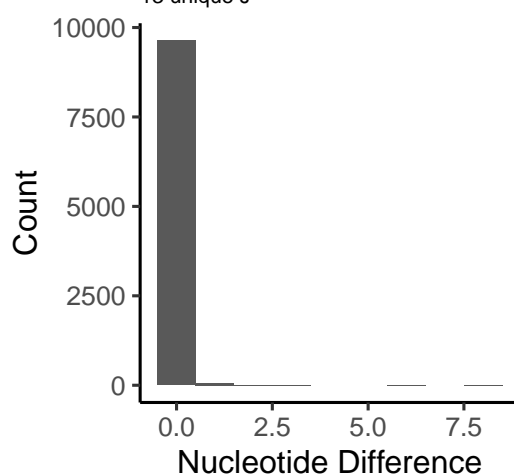
### TRBV6-56\*ap01

9485 sequences assigned  
9358 (98.7%) exact matches, in which:  
9198 unique CDR3  
13 unique J



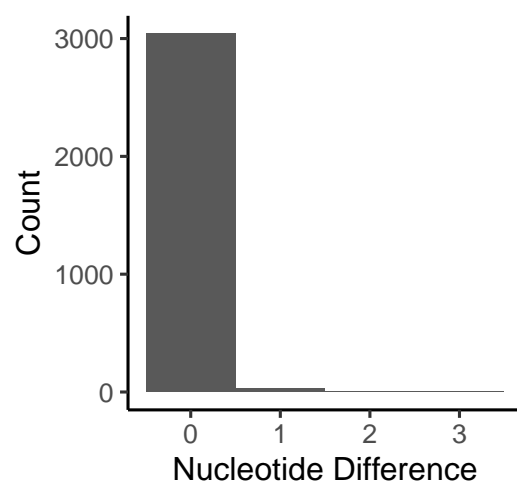
### TRBV7-2\*ap01

9700 sequences assigned  
9638 (99.4%) exact matches, in which:  
9586 unique CDR3  
13 unique J



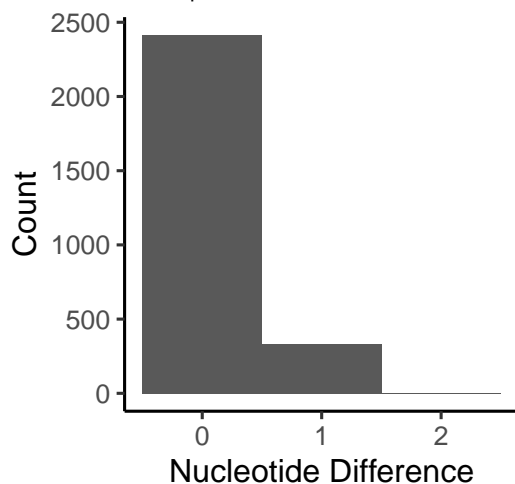
### TRBV7-6\*ap01

3076 sequences assigned  
3041 (98.9%) exact matches, in which:  
3020 unique CDR3  
13 unique J



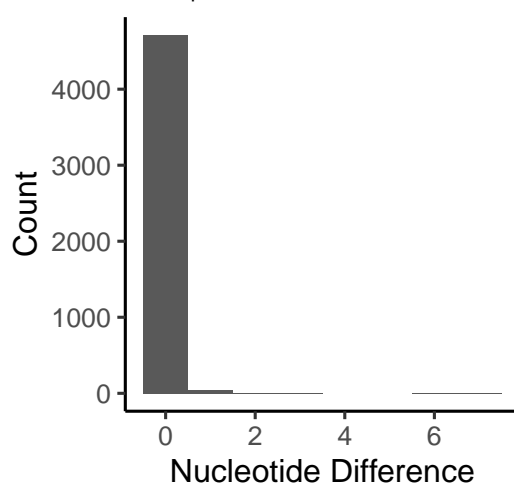
### TRBV6-56\*ap02

2750 sequences assigned  
2414 (87.8%) exact matches, in which:  
2377 unique CDR3  
13 unique J



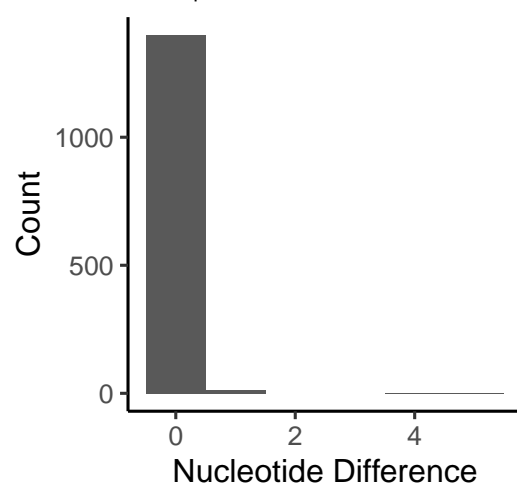
### TRBV7-3\*ap01

4761 sequences assigned  
4712 (99%) exact matches, in which:  
4693 unique CDR3  
13 unique J



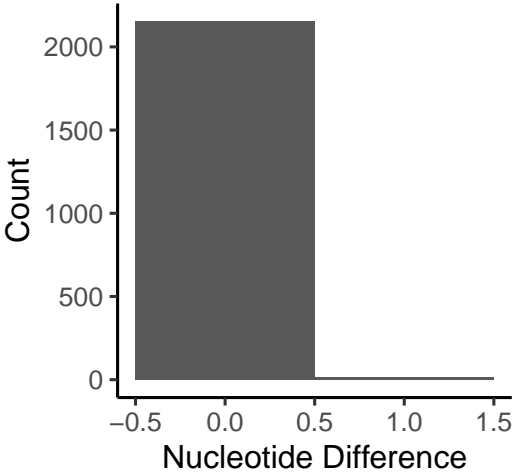
### TRBV7-7\*ap01\_C315T

1414 sequences assigned  
1399 (98.9%) exact matches, in which:  
1388 unique CDR3  
13 unique J



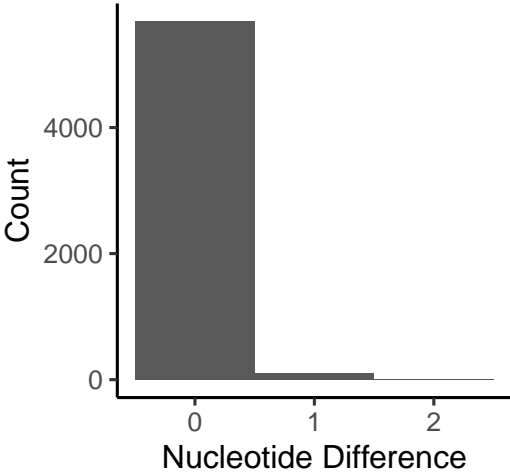
TRBV7-8\*ap01

2169 sequences assigned  
2153 (99.3%) exact matches, in which:  
2137 unique CDR3  
13 unique J



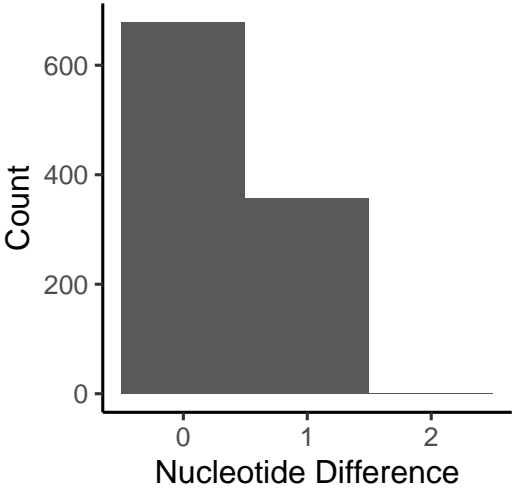
TRBV29-1\*ap01

5793 sequences assigned  
5684 (98.1%) exact matches, in which:  
5532 unique CDR3  
13 unique J



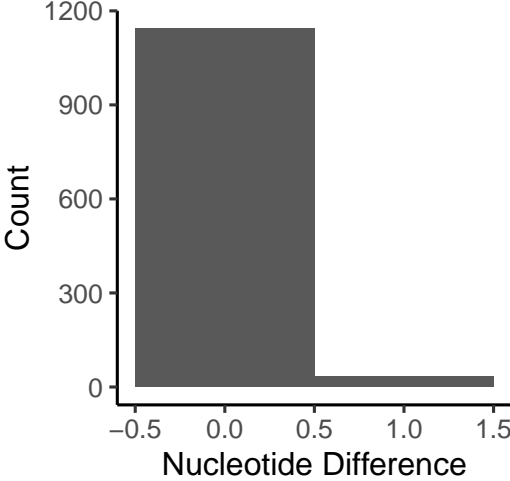
TRBV7-8\*ap03

1037 sequences assigned  
679 (65.5%) exact matches, in which:  
671 unique CDR3  
13 unique J



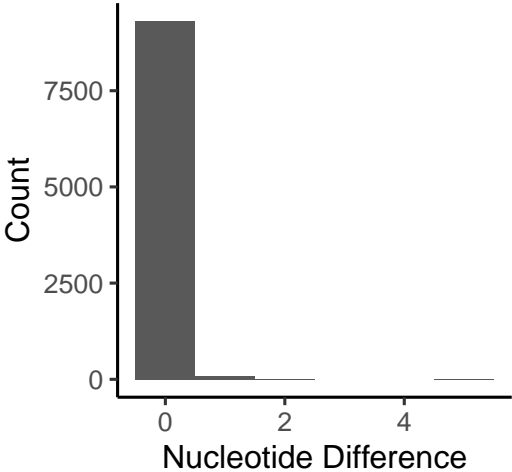
TRBV29-1\*ap02

1175 sequences assigned  
1143 (97.3%) exact matches, in which:  
1115 unique CDR3  
13 unique J

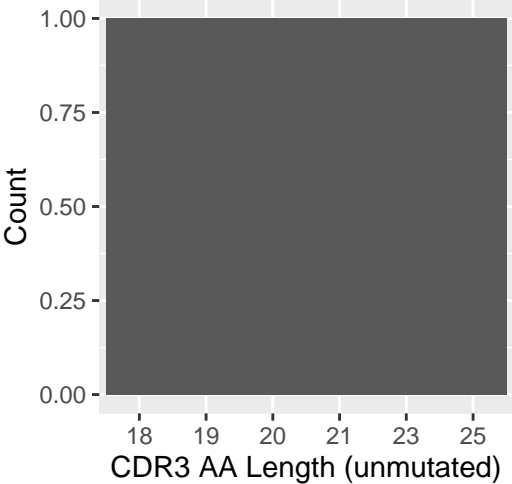


TRBV7-9\*ap01

9394 sequences assigned  
9310 (99.1%) exact matches, in which:  
9245 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

