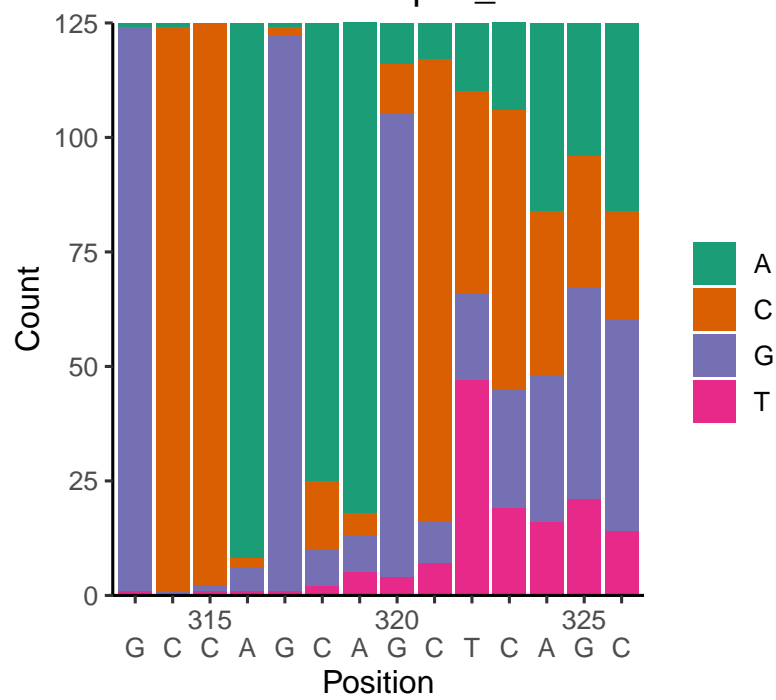
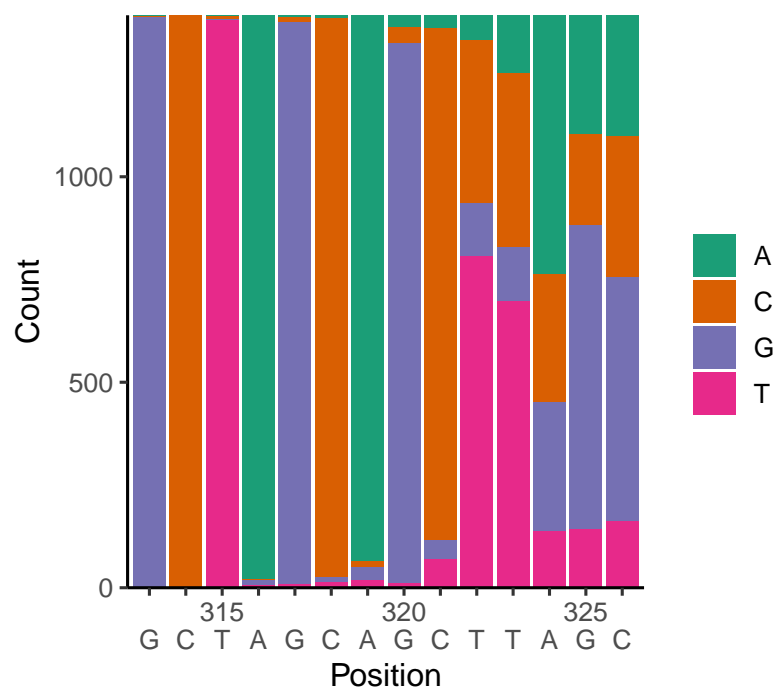


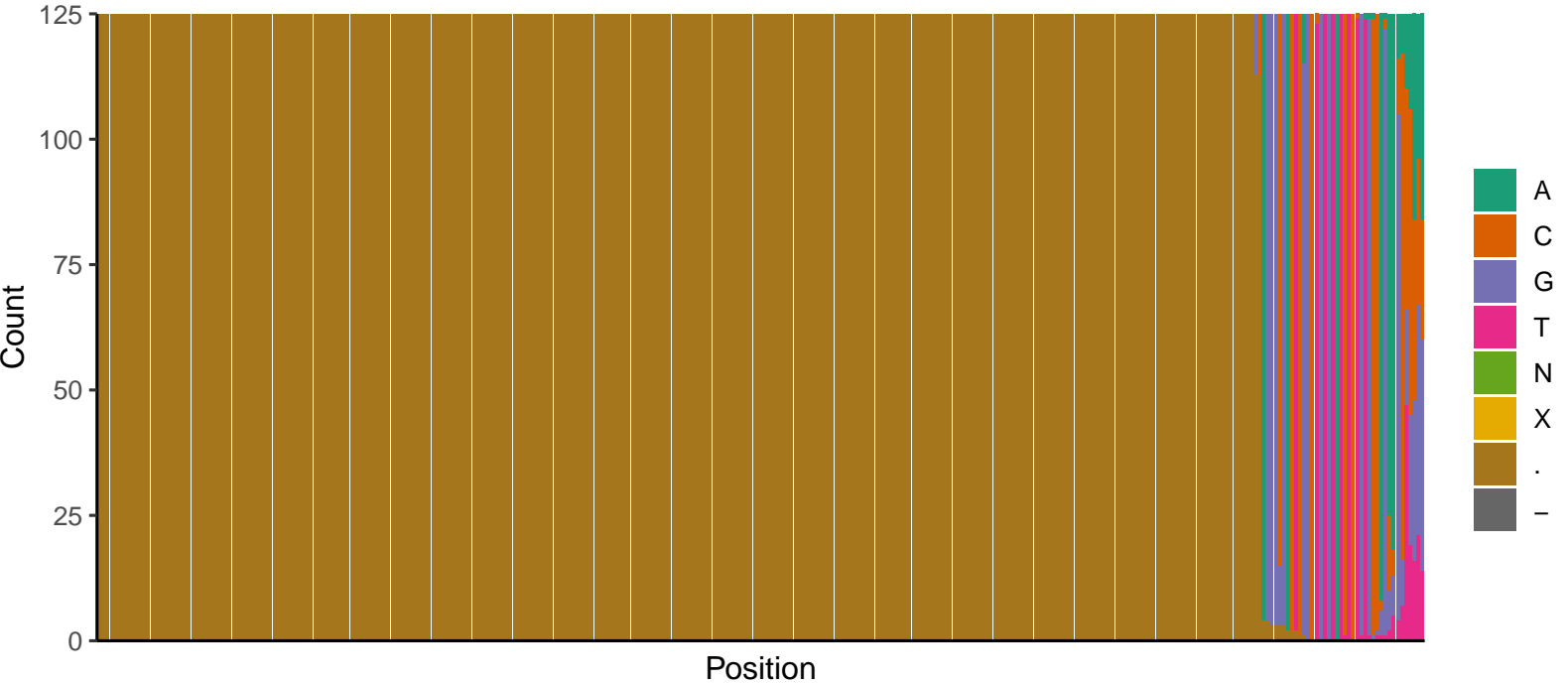
Gene TRBV7-1\*ap01\_T296C



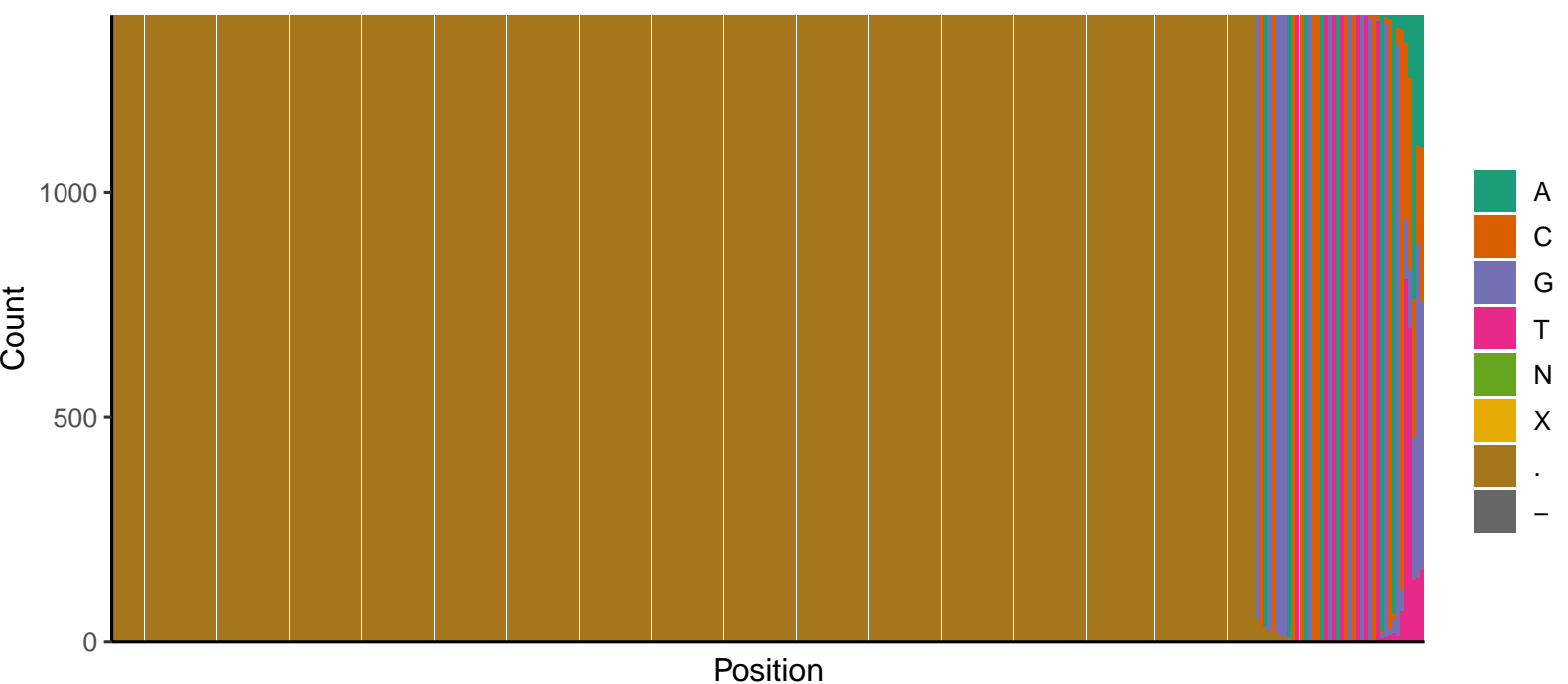
Gene TRBV7-7\*ap01\_C315T



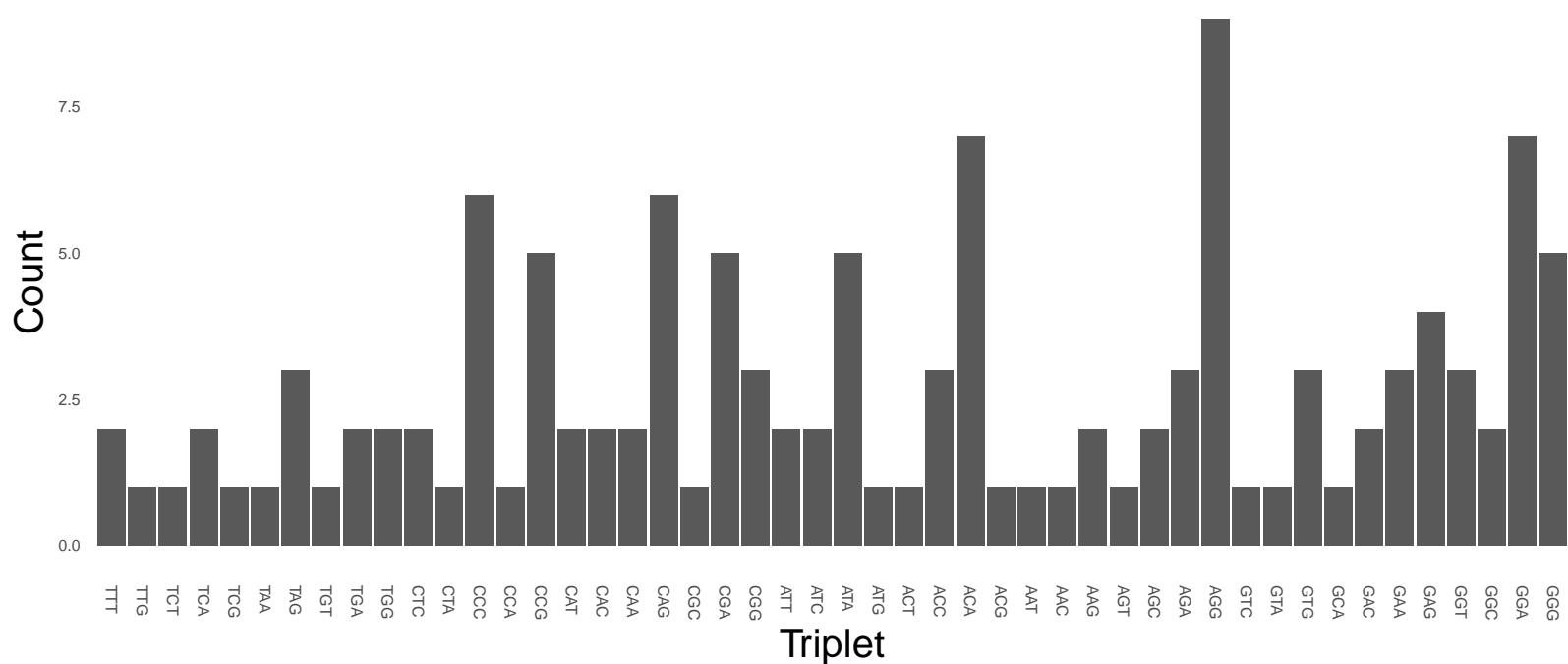
Gene TRBV7-1\*ap01\_T296C



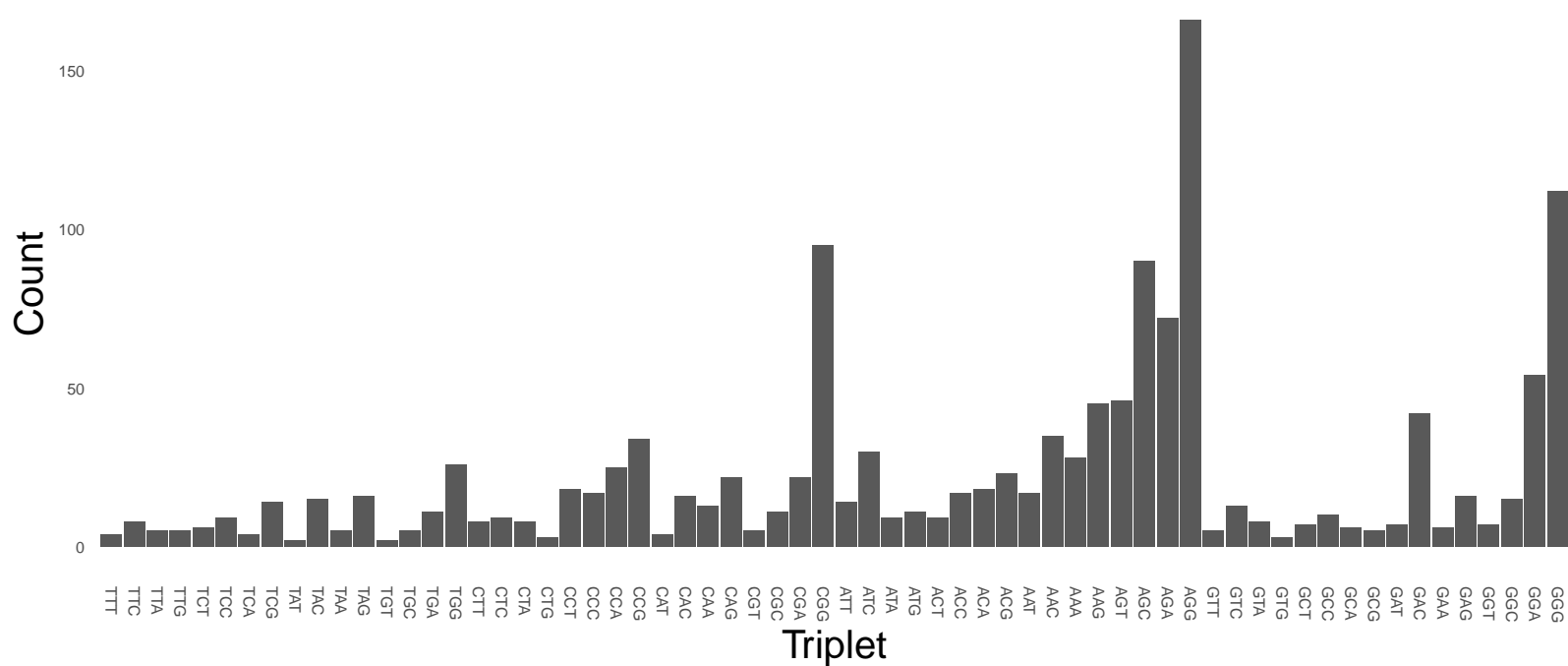
Gene TRBV7-7\*ap01\_C315T



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

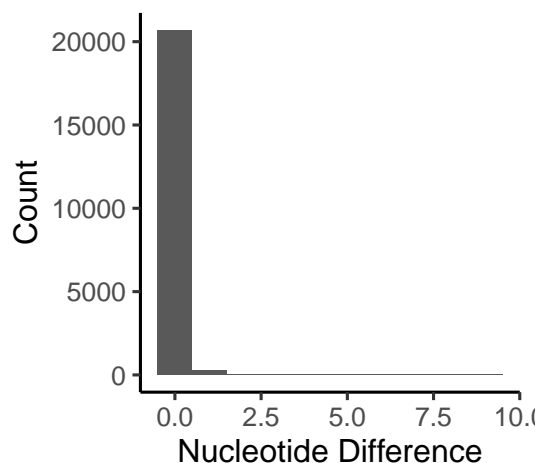


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



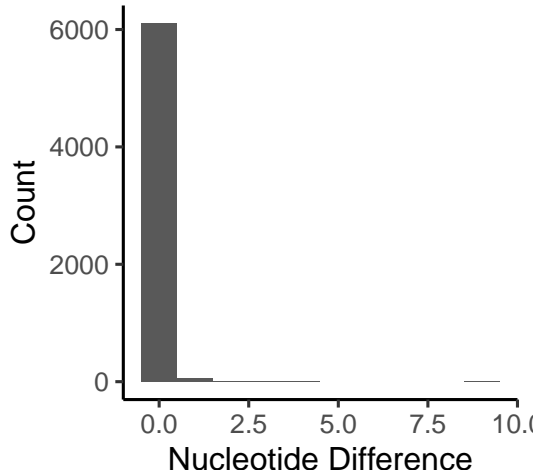
### TRBV20-1\*ap01

20975 sequences assigned  
20691 (98.6%) exact matches, in which:  
20426 unique CDR3  
13 unique J



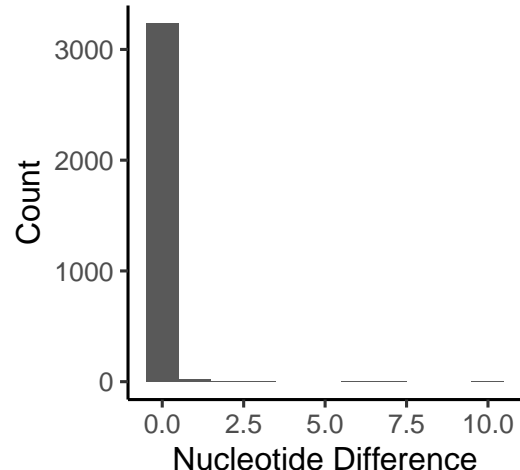
### TRBV10-3\*ap01

6177 sequences assigned  
6104 (98.8%) exact matches, in which:  
5995 unique CDR3  
13 unique J



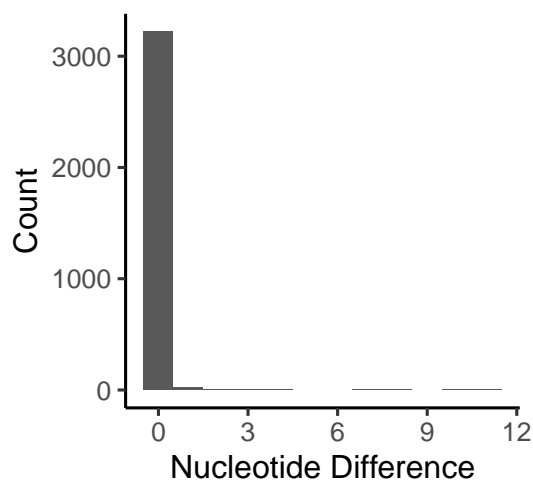
### TRBV14\*ap01

3269 sequences assigned  
3235 (99%) exact matches, in which:  
3205 unique CDR3  
13 unique J



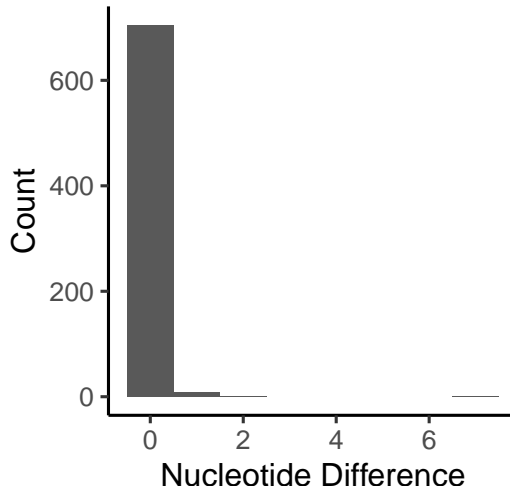
### TRBV10-1\*ap01

3260 sequences assigned  
3220 (98.8%) exact matches, in which:  
3142 unique CDR3  
13 unique J



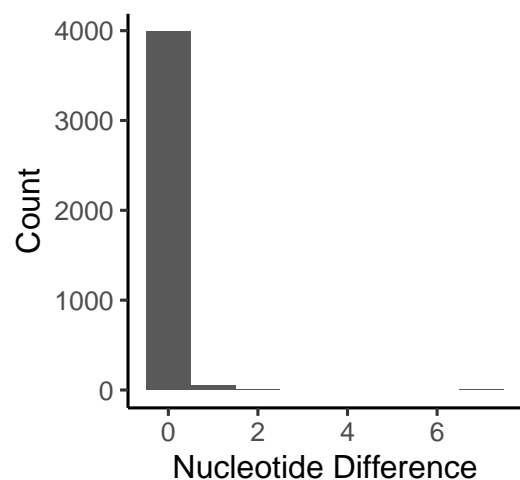
### TRBV1\*ap01

716 sequences assigned  
705 (98.5%) exact matches, in which:  
687 unique CDR3  
13 unique J



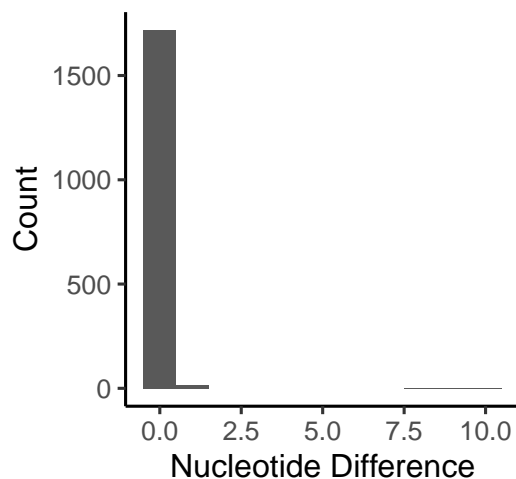
### TRBV15\*ap02

4039 sequences assigned  
3988 (98.7%) exact matches, in which:  
3909 unique CDR3  
13 unique J



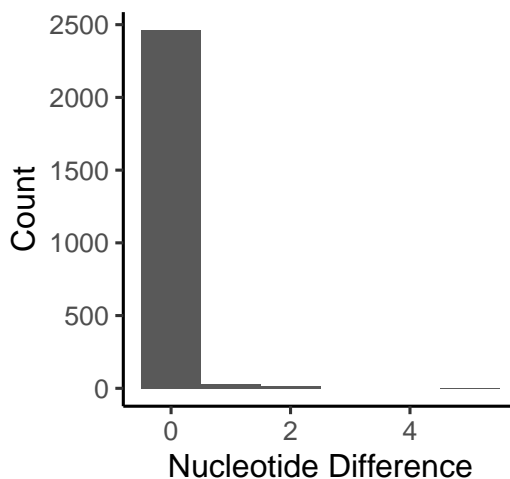
### TRBV10-2\*ap01

1736 sequences assigned  
1718 (99%) exact matches, in which:  
1695 unique CDR3  
13 unique J



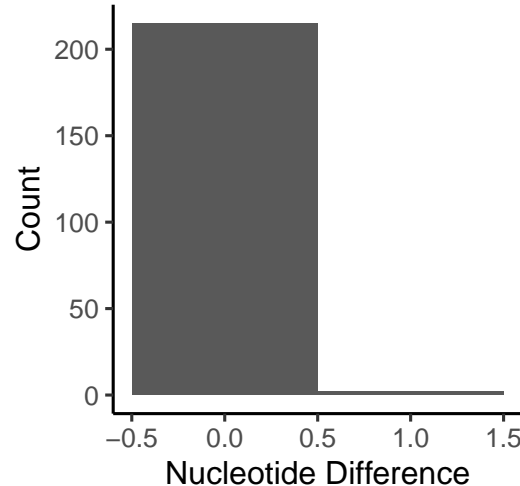
### TRBV13\*ap01

2511 sequences assigned  
2463 (98.1%) exact matches, in which:  
2397 unique CDR3  
13 unique J



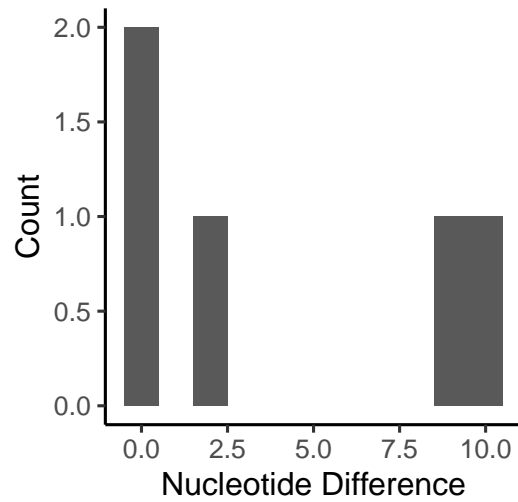
### TRBV16\*ap01

217 sequences assigned  
215 (99.1%) exact matches, in which:  
214 unique CDR3  
13 unique J



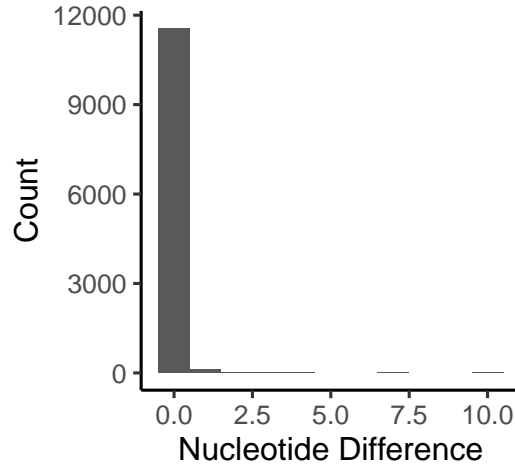
### TRBV17\*ap01

5 sequences assigned  
2 (40%) exact matches, in which:  
2 unique CDR3  
2 unique J



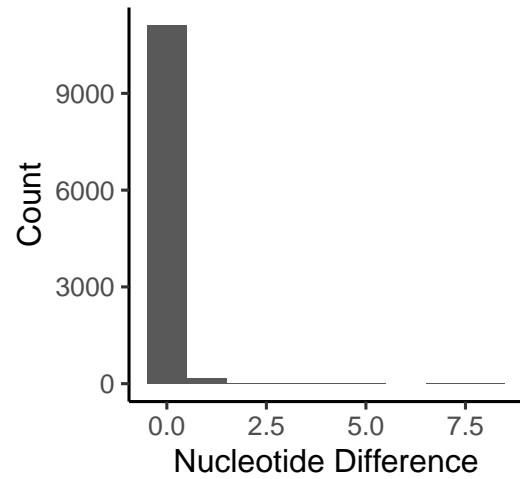
### TRBV2\*ap01

11691 sequences assigned  
11565 (98.9%) exact matches, in which:  
11319 unique CDR3  
13 unique J



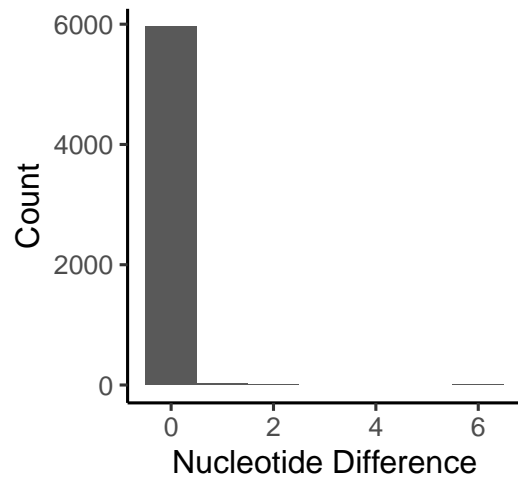
### TRBV30\*ap01

11296 sequences assigned  
11106 (98.3%) exact matches, in which:  
10851 unique CDR3  
13 unique J



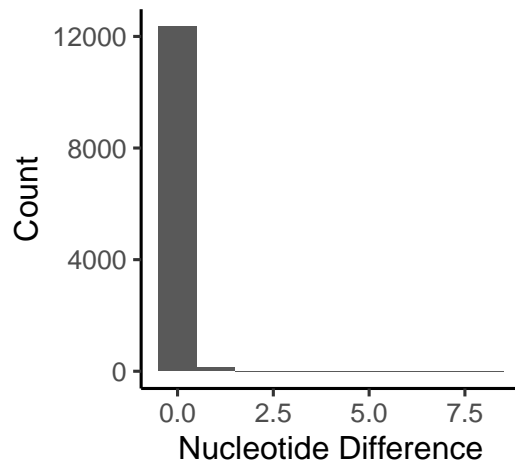
### TRBV18\*ap01

5992 sequences assigned  
5958 (99.4%) exact matches, in which:  
5914 unique CDR3  
13 unique J



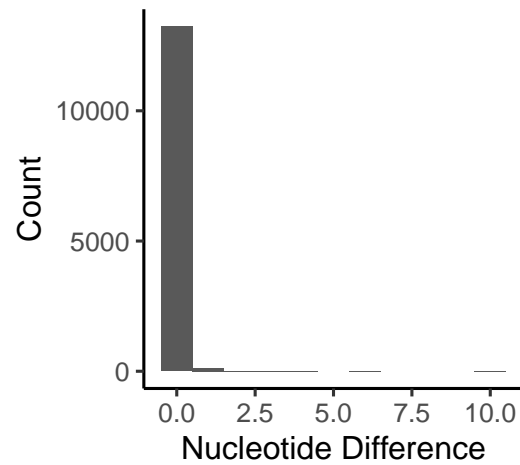
### TRBV27\*ap01

12511 sequences assigned  
12357 (98.8%) exact matches, in which:  
12102 unique CDR3  
13 unique J



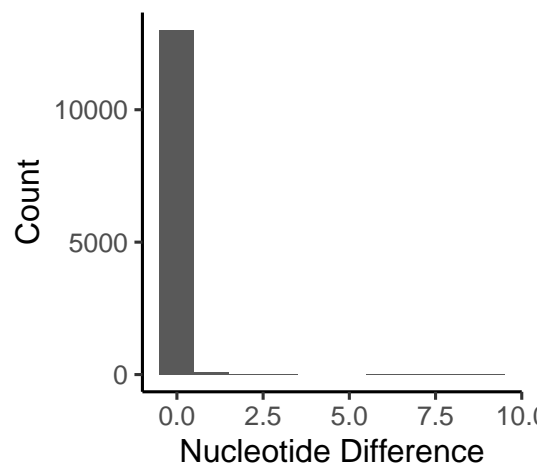
### TRBV9\*ap01

13376 sequences assigned  
13238 (99%) exact matches, in which:  
13089 unique CDR3  
13 unique J



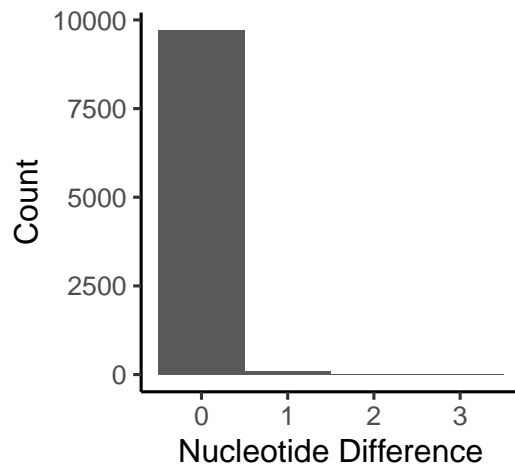
### TRBV19\*ap01

13131 sequences assigned  
13018 (99.1%) exact matches, in which:  
12950 unique CDR3  
14 unique J



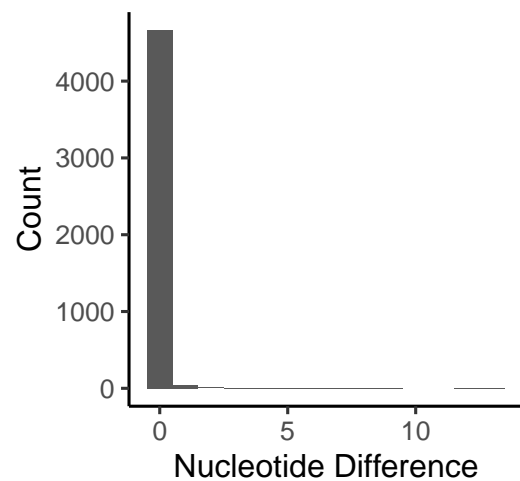
### TRBV28\*ap01

9818 sequences assigned  
9722 (99%) exact matches, in which:  
9616 unique CDR3  
13 unique J



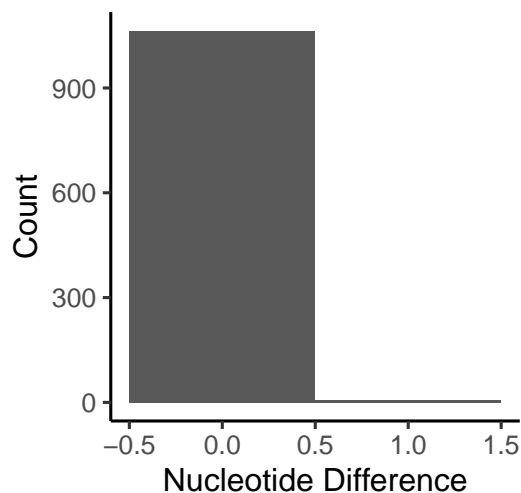
### TRBV21-1\*ap01

4748 sequences assigned  
4665 (98.3%) exact matches, in which:  
4635 unique CDR3  
13 unique J



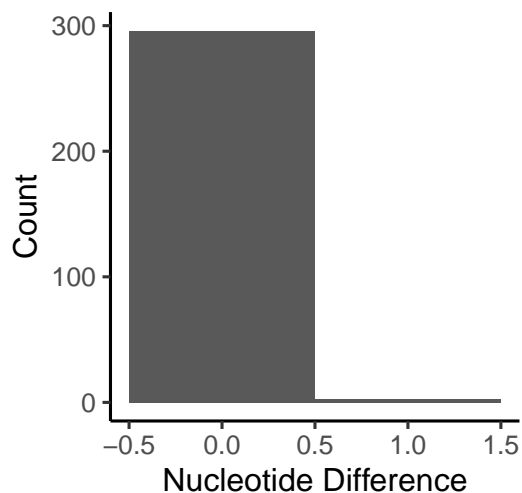
### TRBV11-1\*ap01

1072 sequences assigned  
1064 (99.3%) exact matches, in which:  
1055 unique CDR3  
13 unique J



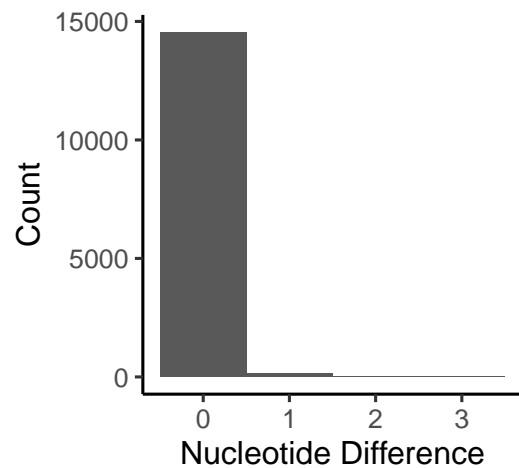
### TRBV12-1\*ap01

299 sequences assigned  
296 (99%) exact matches, in which:  
293 unique CDR3  
13 unique J



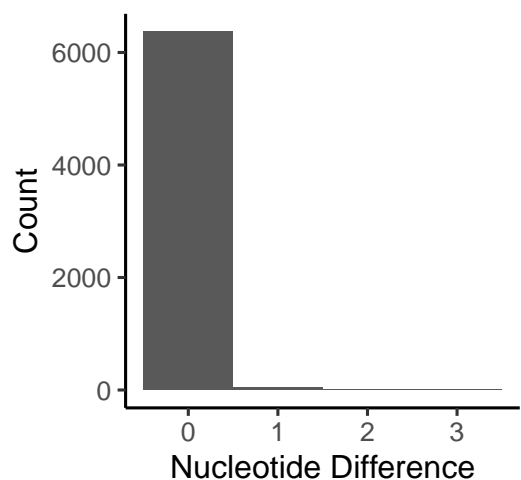
### TRBV12-34\*ap01

14695 sequences assigned  
14548 (99%) exact matches, in which:  
14328 unique CDR3  
13 unique J



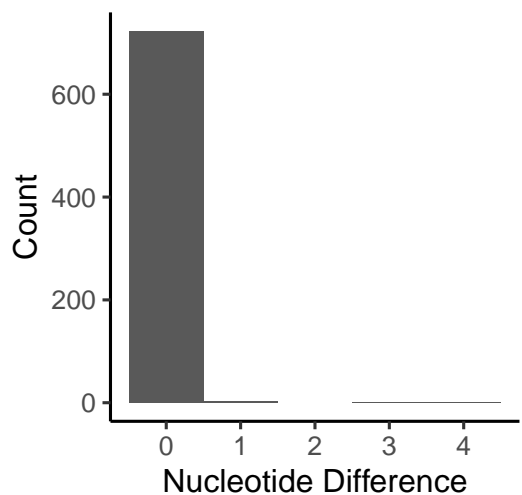
### TRBV11-2\*ap01

6411 sequences assigned  
6369 (99.3%) exact matches, in which:  
6318 unique CDR3  
13 unique J



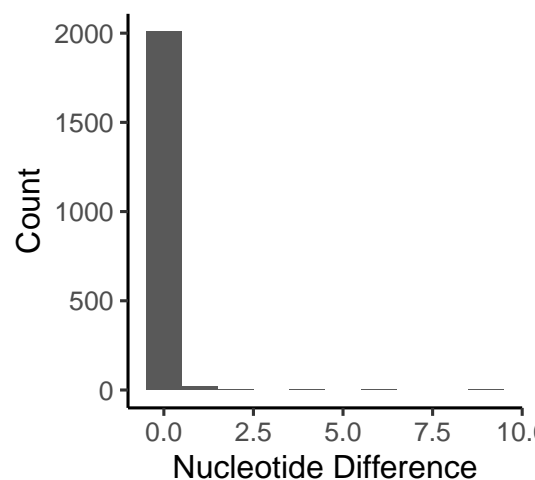
### TRBV12-2\*ap01

727 sequences assigned  
723 (99.4%) exact matches, in which:  
716 unique CDR3  
13 unique J



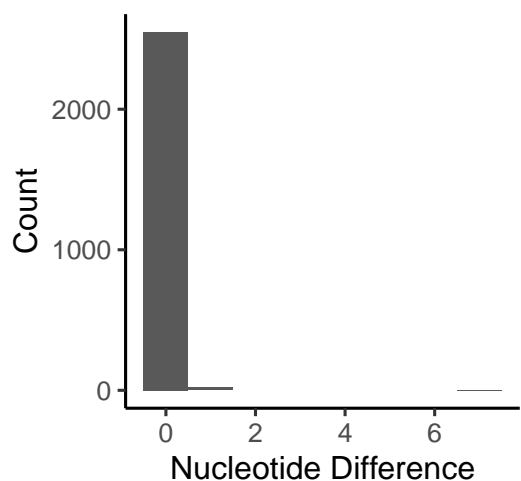
### TRBV23-1\*ap01

2032 sequences assigned  
2008 (98.8%) exact matches, in which:  
1990 unique CDR3  
13 unique J



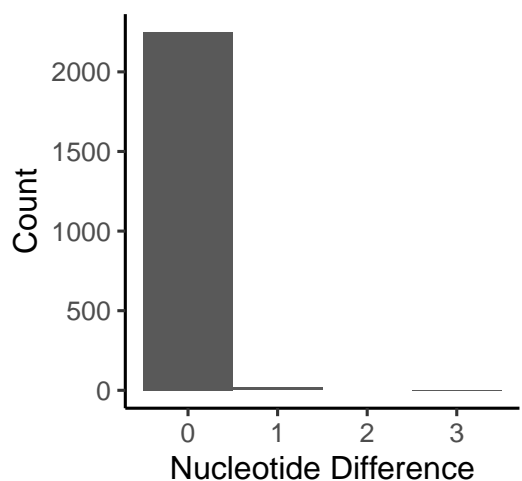
### TRBV11-3\*ap01

2569 sequences assigned  
2549 (99.2%) exact matches, in which:  
2531 unique CDR3  
13 unique J



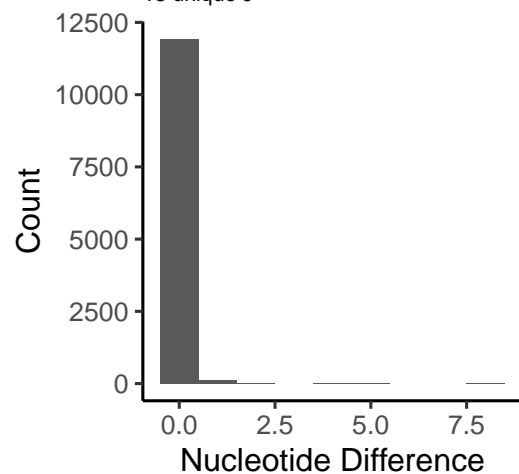
### TRBV12-5\*ap01

2268 sequences assigned  
2250 (99.2%) exact matches, in which:  
2216 unique CDR3  
13 unique J



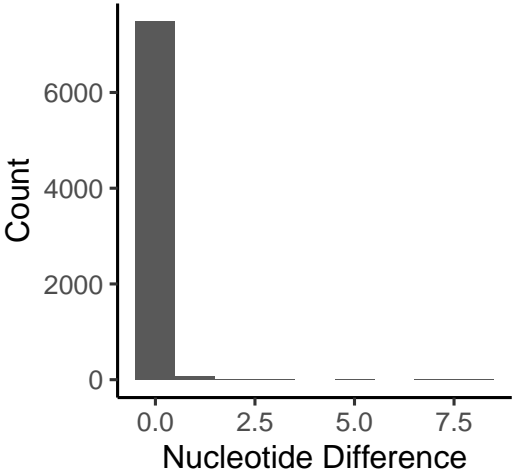
### TRBV3-12\*ap01

12066 sequences assigned  
11933 (98.9%) exact matches, in which:  
11754 unique CDR3  
13 unique J



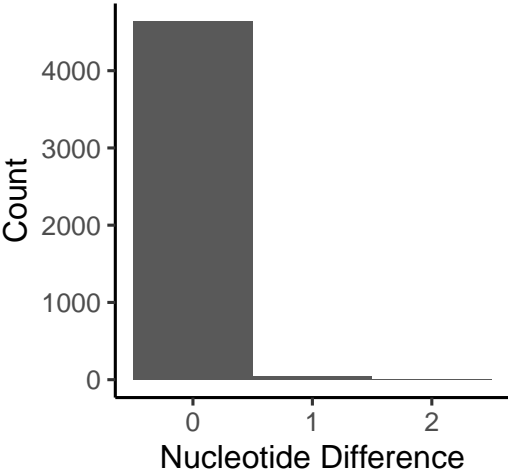
TRBV4-1\*ap01

7562 sequences assigned  
7485 (99%) exact matches, in which:  
7319 unique CDR3  
13 unique J



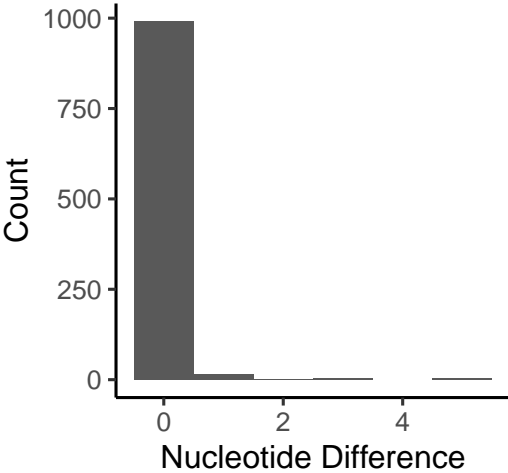
TRBV4-3\*ap01

4686 sequences assigned  
4638 (99%) exact matches, in which:  
4539 unique CDR3  
13 unique J



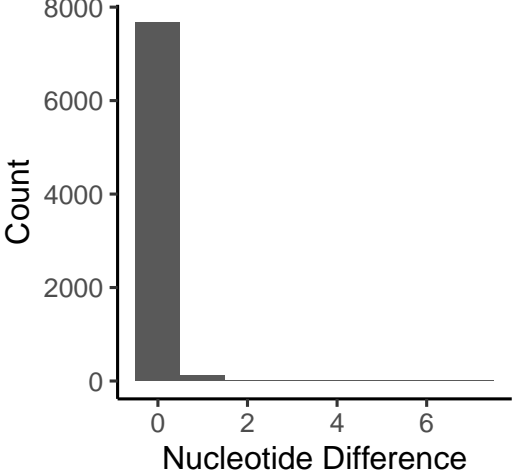
TRBV5-3\*ap01

1016 sequences assigned  
991 (97.5%) exact matches, in which:  
977 unique CDR3  
13 unique J



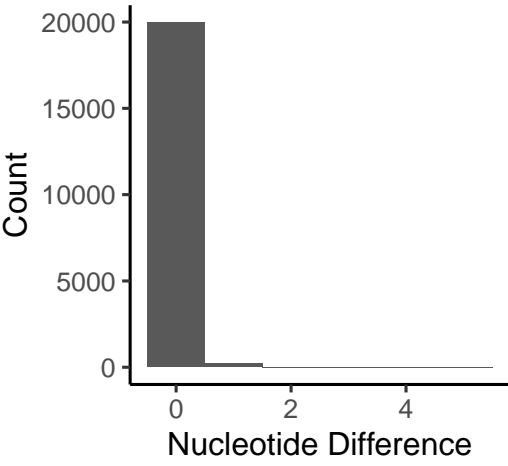
TRBV24-1\*ap01

7800 sequences assigned  
7666 (98.3%) exact matches, in which:  
7524 unique CDR3  
14 unique J



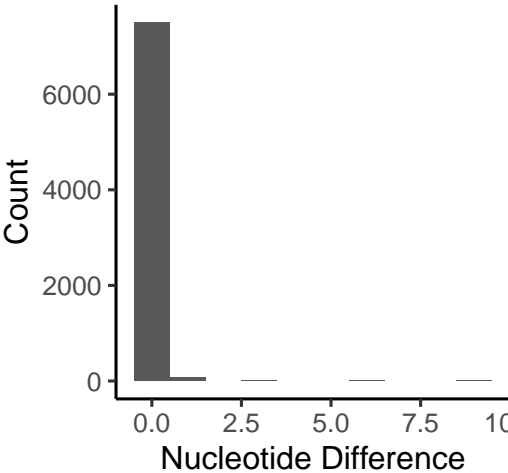
TRBV5-1\*ap01

20203 sequences assigned  
19975 (98.9%) exact matches, in which:  
19486 unique CDR3  
13 unique J



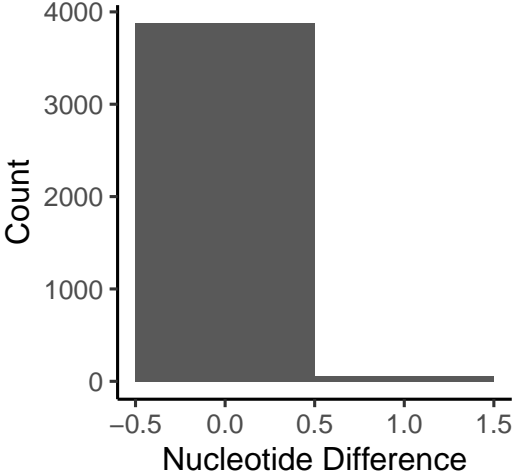
TRBV5-4\*ap01

7565 sequences assigned  
7495 (99.1%) exact matches, in which:  
7358 unique CDR3  
13 unique J



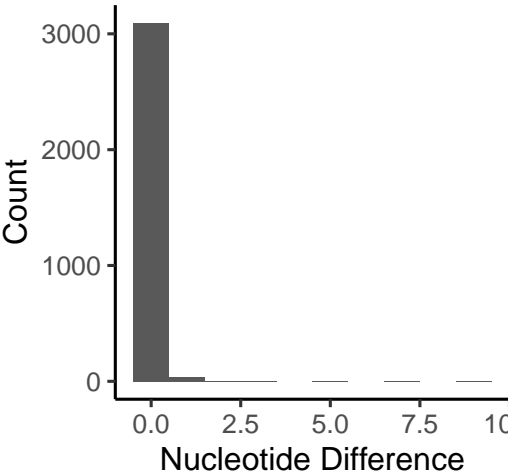
TRBV4-2\*ap01

3939 sequences assigned  
3879 (98.5%) exact matches, in which:  
3827 unique CDR3  
13 unique J



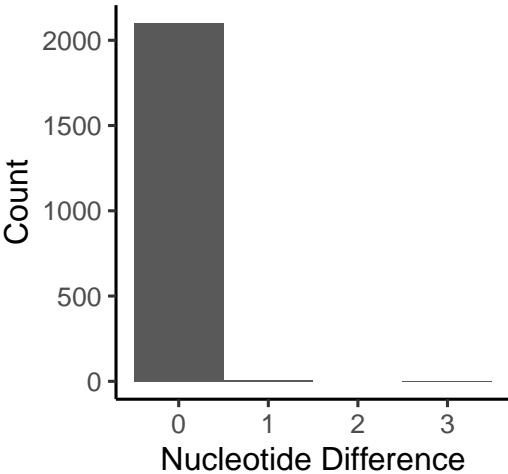
TRBV25-1\*ap01

3136 sequences assigned  
3093 (98.6%) exact matches, in which:  
3024 unique CDR3  
13 unique J



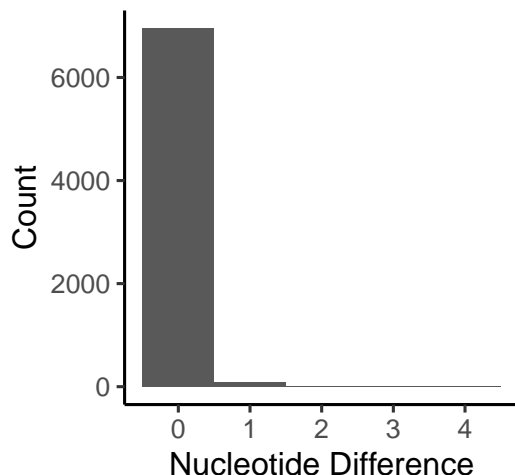
TRBV5-5\*ap01

2112 sequences assigned  
2101 (99.5%) exact matches, in which:  
2084 unique CDR3  
13 unique J



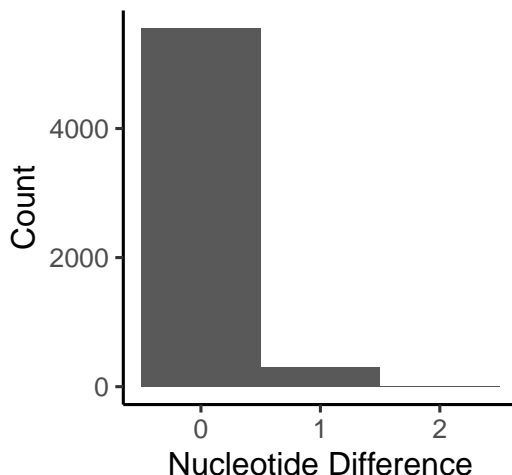
### TRBV5-6\*ap01

7048 sequences assigned  
6952 (98.6%) exact matches, in which:  
6757 unique CDR3  
13 unique J



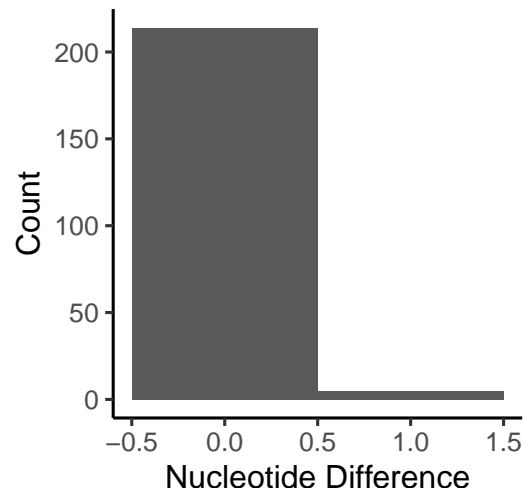
### TRBV6-1\*ap01

5862 sequences assigned  
5551 (94.7%) exact matches, in which:  
5440 unique CDR3  
13 unique J



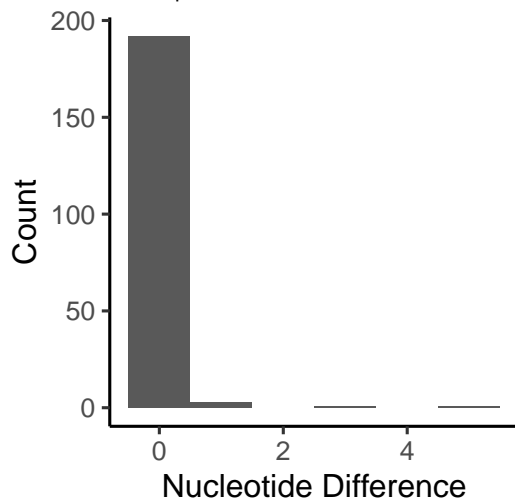
### TRBV6-8\*ap01

219 sequences assigned  
214 (97.7%) exact matches, in which:  
208 unique CDR3  
13 unique J



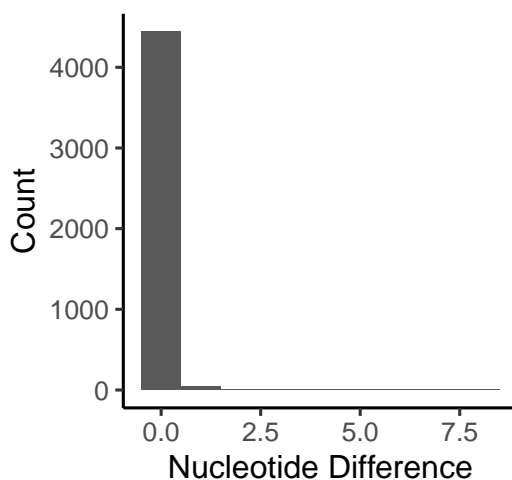
### TRBV5-7\*ap01

197 sequences assigned  
192 (97.5%) exact matches, in which:  
188 unique CDR3  
13 unique J



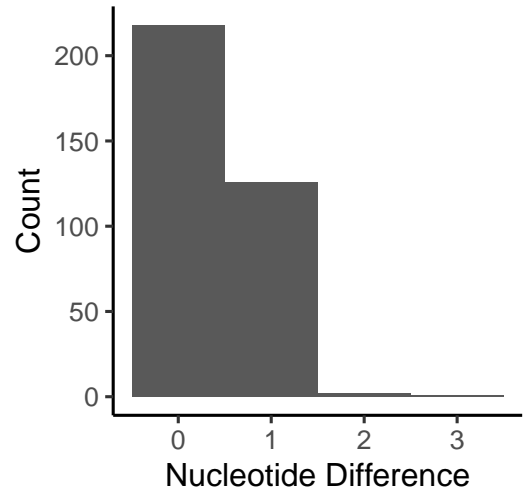
### TRBV6-4\*ap01

4496 sequences assigned  
4441 (98.8%) exact matches, in which:  
4404 unique CDR3  
13 unique J



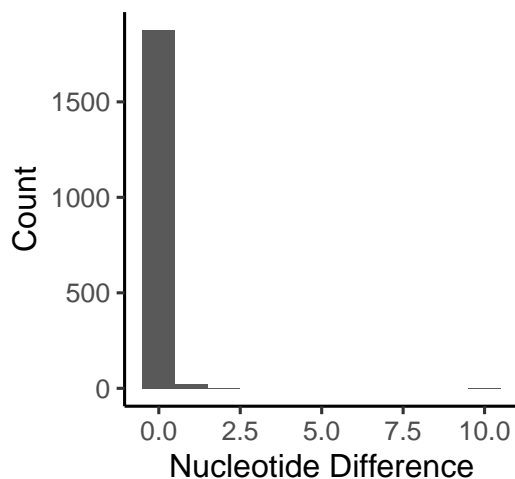
### TRBV6-9\*ap01

347 sequences assigned  
218 (62.8%) exact matches, in which:  
211 unique CDR3  
13 unique J



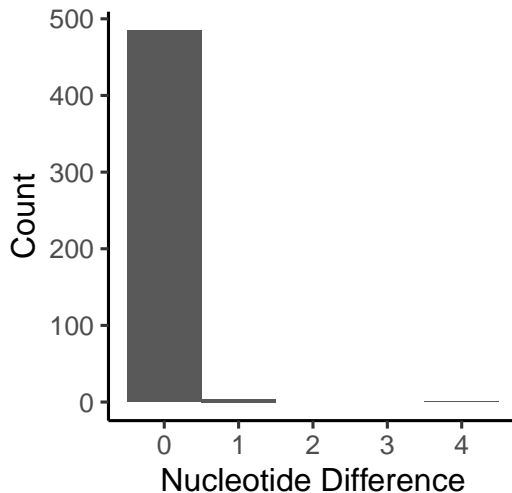
### TRBV5-8\*ap01

1902 sequences assigned  
1876 (98.6%) exact matches, in which:  
1847 unique CDR3  
13 unique J



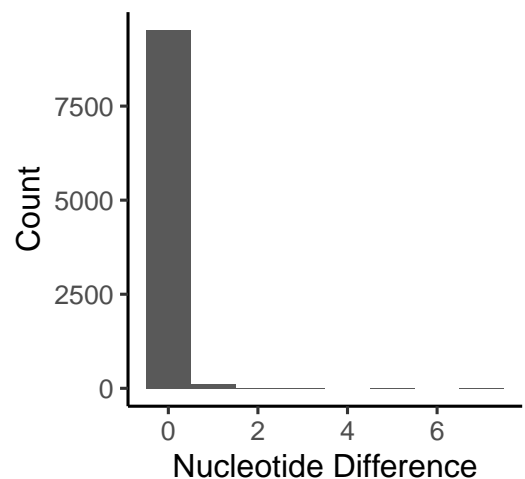
### TRBV6-7\*ap01

490 sequences assigned  
485 (99%) exact matches, in which:  
482 unique CDR3  
13 unique J



### TRBV6-23\*ap01

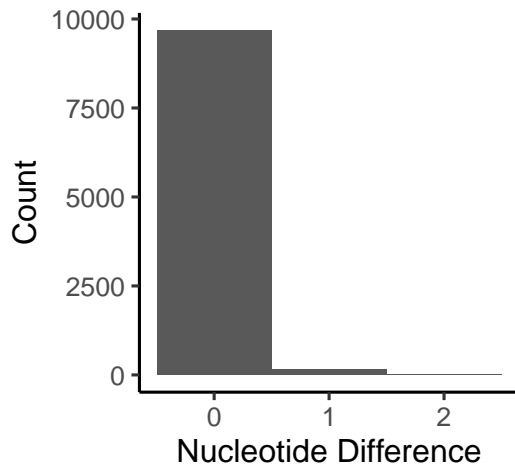
9651 sequences assigned  
9521 (98.7%) exact matches, in which:  
9259 unique CDR3  
13 unique J





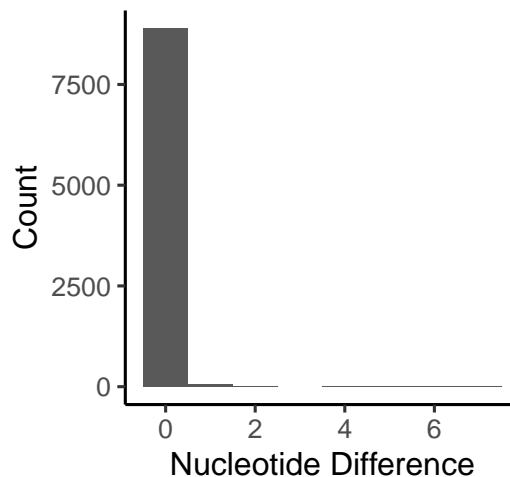
### TRBV6-56\*ap01

9837 sequences assigned  
9686 (98.5%) exact matches, in which:  
9413 unique CDR3  
13 unique J



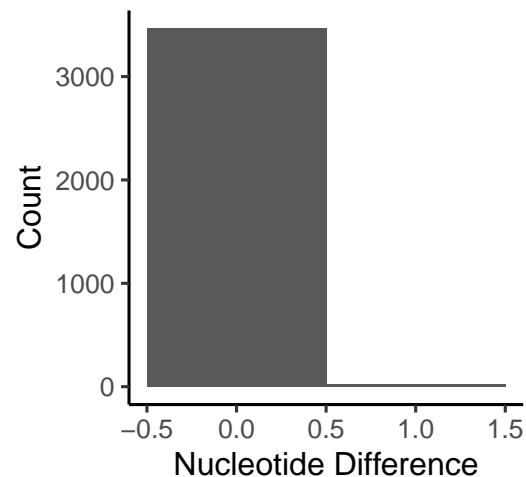
### TRBV7-2\*ap01

8968 sequences assigned  
8891 (99.1%) exact matches, in which:  
8785 unique CDR3  
13 unique J



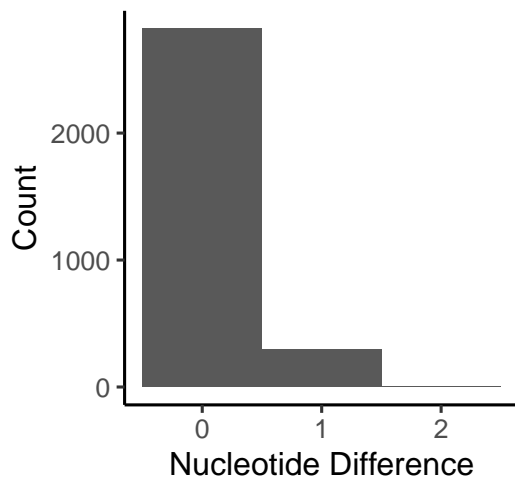
### TRBV7-6\*ap01

3493 sequences assigned  
3466 (99.2%) exact matches, in which:  
3411 unique CDR3  
13 unique J



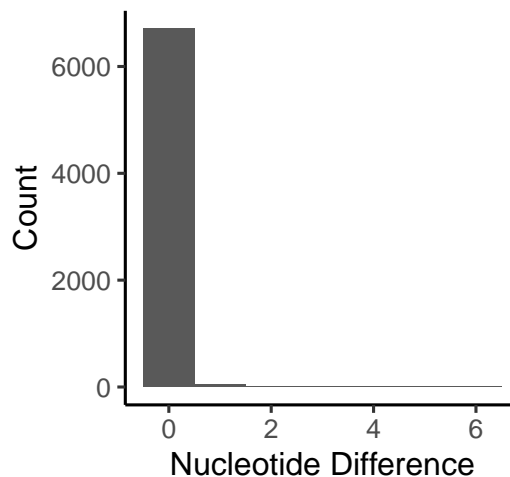
### TRBV6-56\*ap02

3118 sequences assigned  
2822 (90.5%) exact matches, in which:  
2757 unique CDR3  
13 unique J



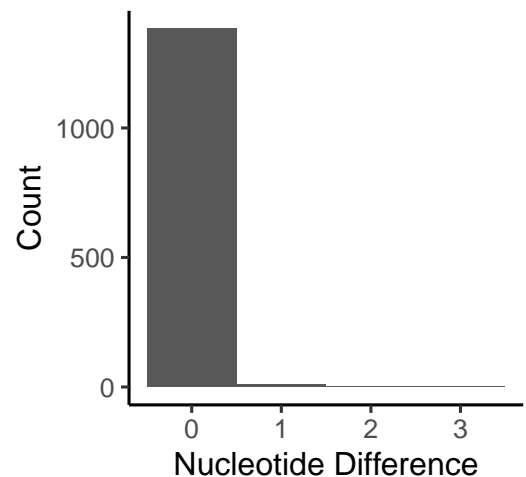
### TRBV7-3\*ap01

6765 sequences assigned  
6707 (99.1%) exact matches, in which:  
6658 unique CDR3  
13 unique J



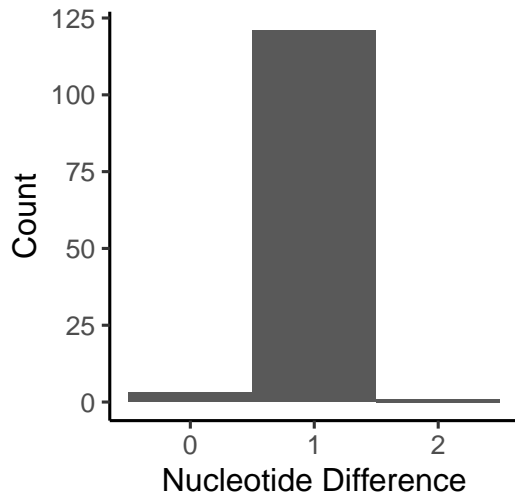
### TRBV7-7\*ap01\_C315T

1393 sequences assigned  
1383 (99.3%) exact matches, in which:  
1362 unique CDR3  
13 unique J



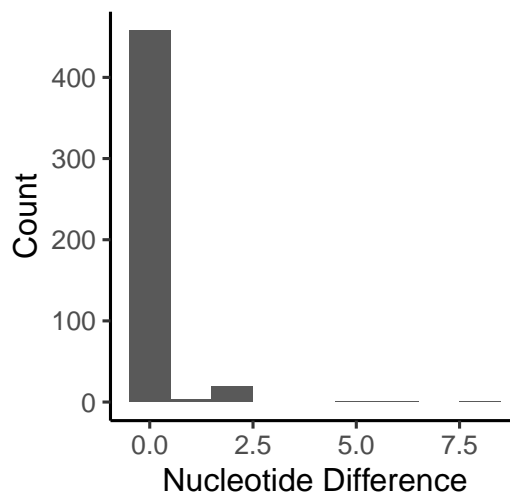
### TRBV7-1\*ap01\_T296C

125 sequences assigned  
3 (2.4%) exact matches, in which:  
3 unique CDR3  
3 unique J



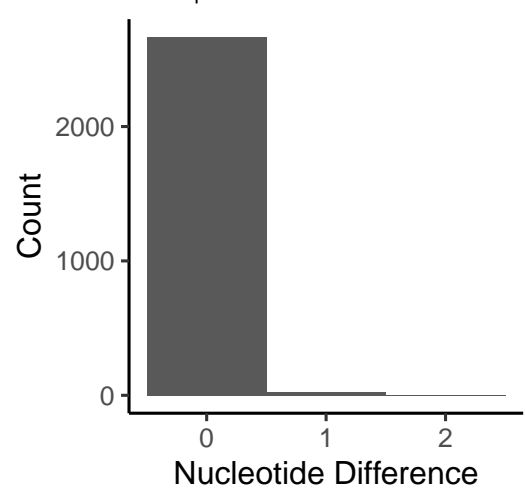
### TRBV7-4\*ap01

483 sequences assigned  
458 (94.8%) exact matches, in which:  
455 unique CDR3  
13 unique J



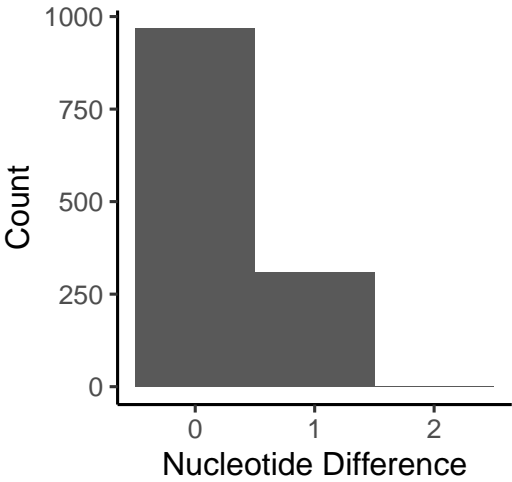
### TRBV7-8\*ap01

2691 sequences assigned  
2666 (99.1%) exact matches, in which:  
2621 unique CDR3  
13 unique J



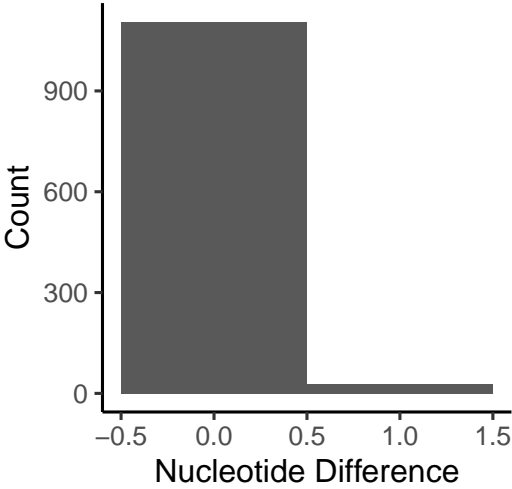
TRBV7-8\*ap03

1279 sequences assigned  
968 (75.7%) exact matches, in which:  
956 unique CDR3  
13 unique J



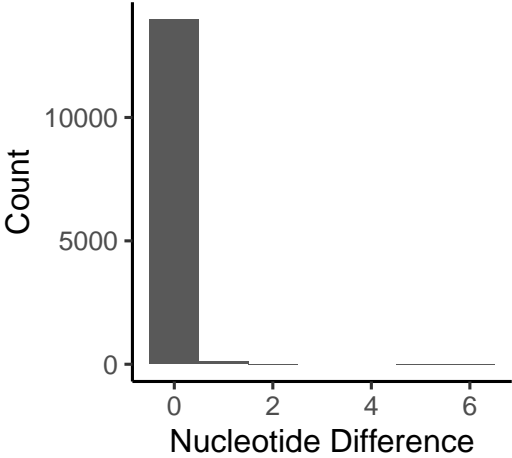
TRBV29-1\*ap02

1134 sequences assigned  
1106 (97.5%) exact matches, in which:  
1078 unique CDR3  
13 unique J



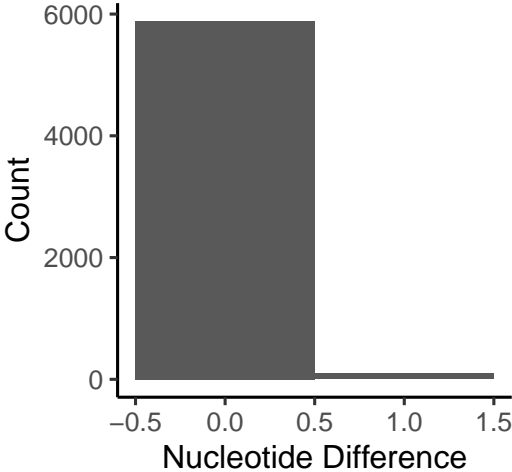
TRBV7-9\*ap01

14081 sequences assigned  
13971 (99.2%) exact matches, in which:  
13788 unique CDR3  
13 unique J

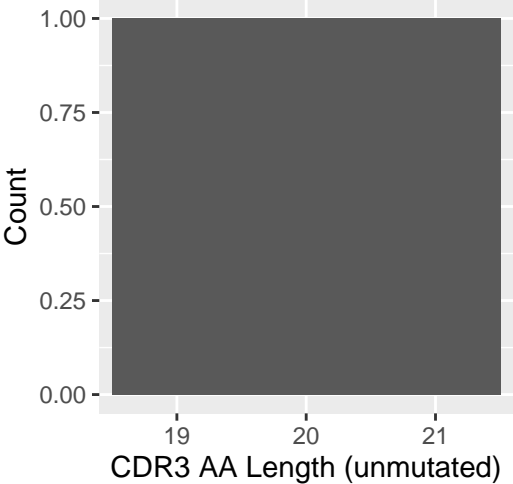


TRBV29-1\*ap01

5980 sequences assigned  
5885 (98.4%) exact matches, in which:  
5734 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

