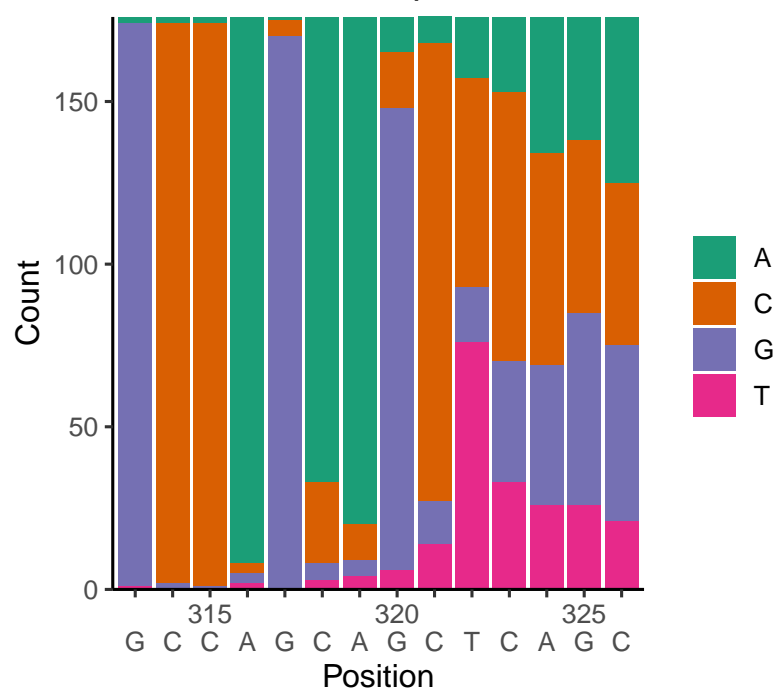
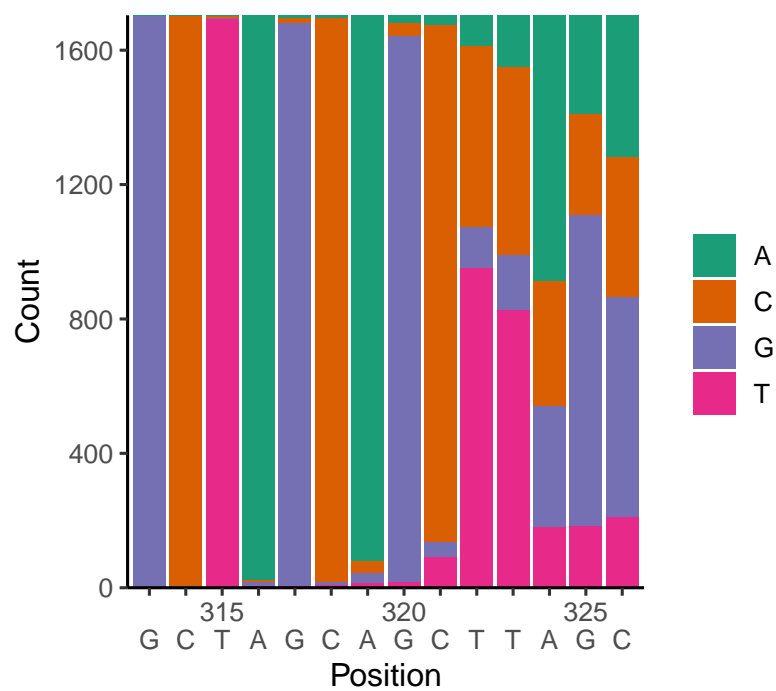


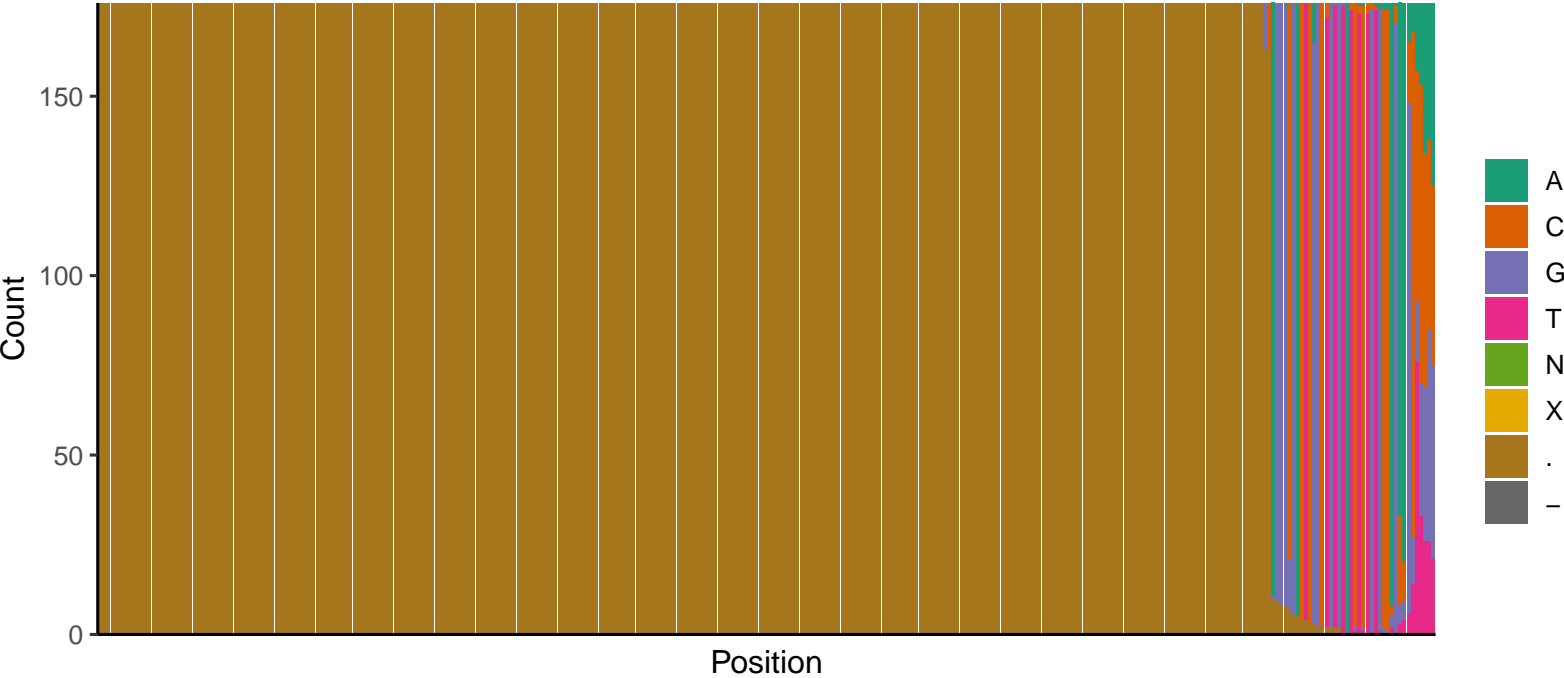
Gene TRBV7-1\*ap01\_T296C



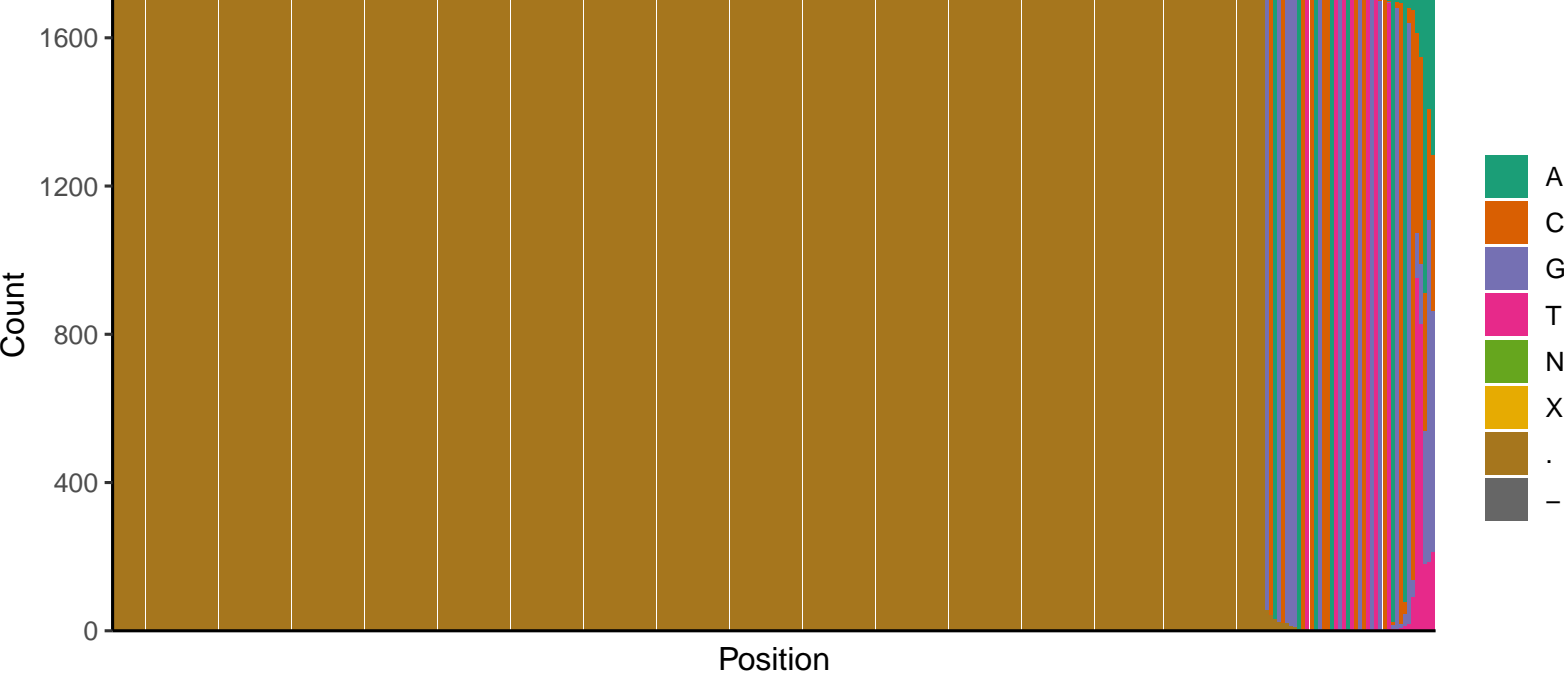
Gene TRBV7-7\*ap01\_C315T



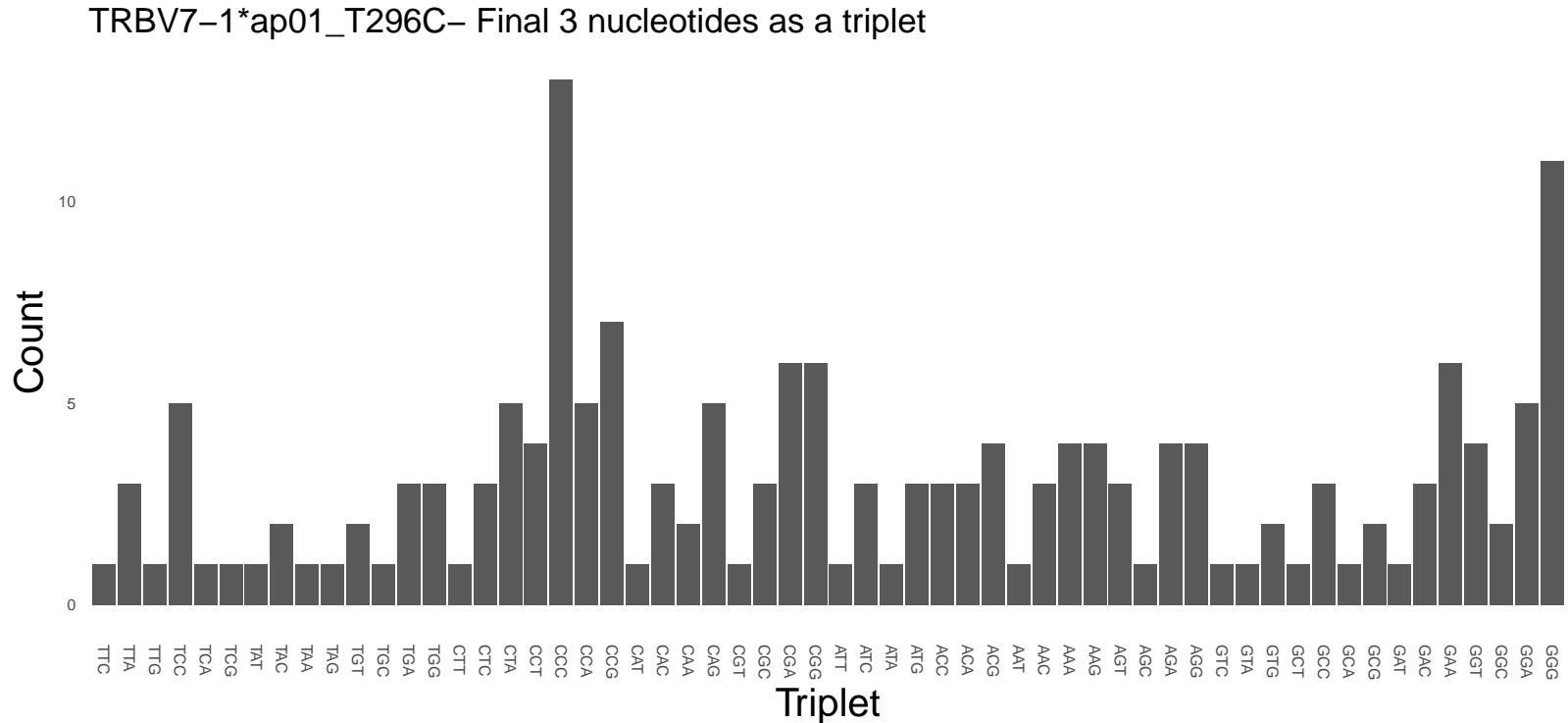
Gene TRBV7-1\*ap01\_T296C



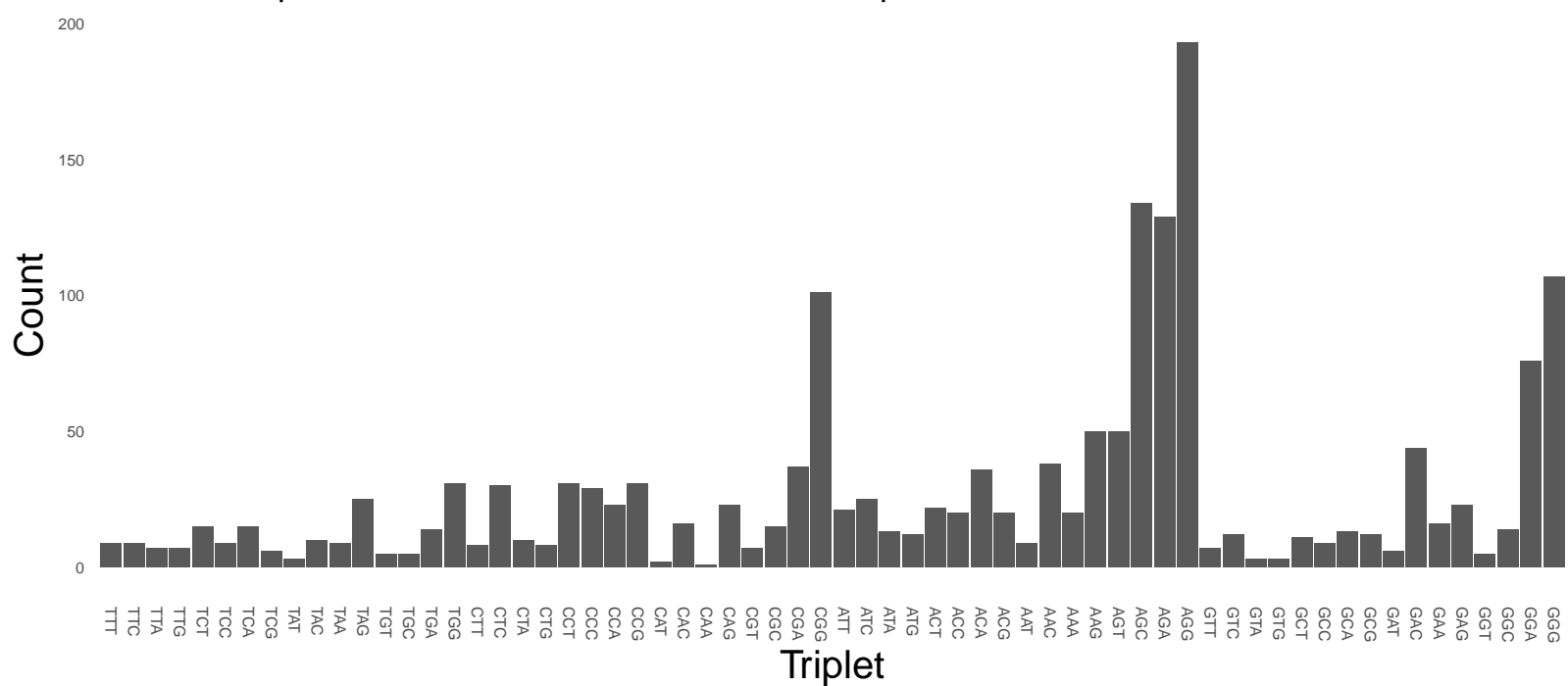
Gene TRBV7-7\*ap01\_C315T



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

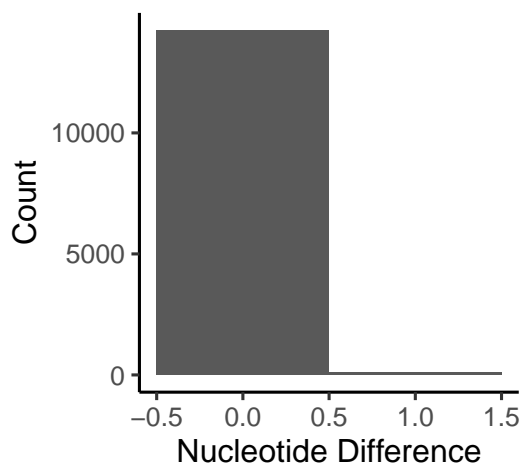


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



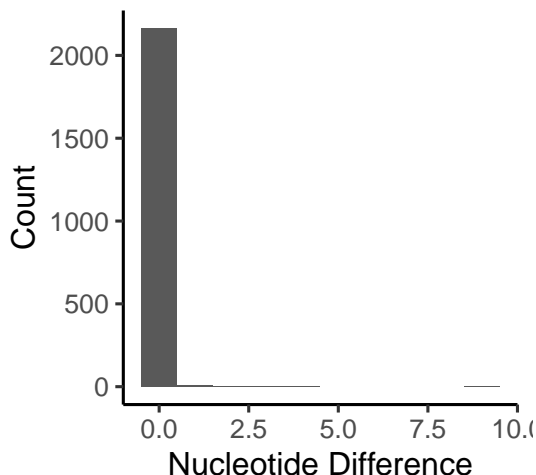
### TRBV20-1\*ap01

14361 sequences assigned  
14246 (99.2%) exact matches, in which:  
14113 unique CDR3  
13 unique J



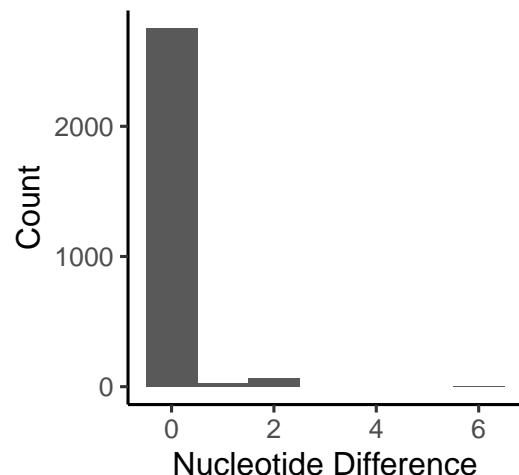
### TRBV10-2\*ap01

2178 sequences assigned  
2163 (99.3%) exact matches, in which:  
2131 unique CDR3  
13 unique J



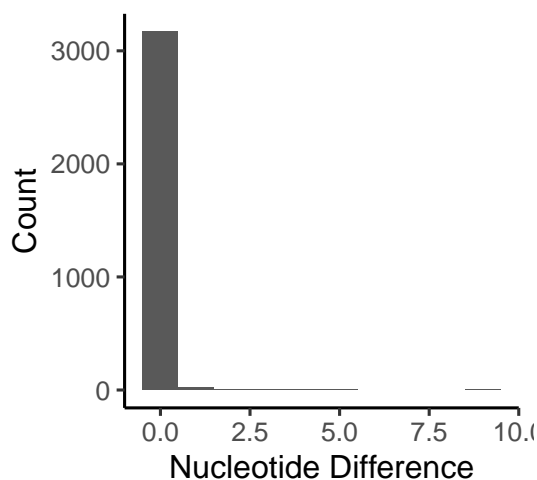
### TRBV13\*ap01

2848 sequences assigned  
2752 (96.6%) exact matches, in which:  
2696 unique CDR3  
13 unique J



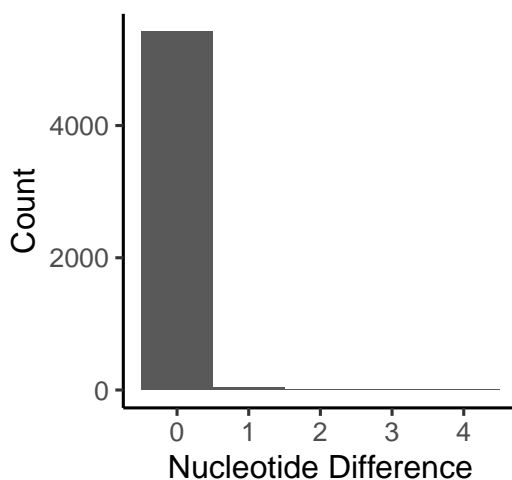
### TRBV10-1\*ap01

3201 sequences assigned  
3169 (99%) exact matches, in which:  
3117 unique CDR3  
13 unique J



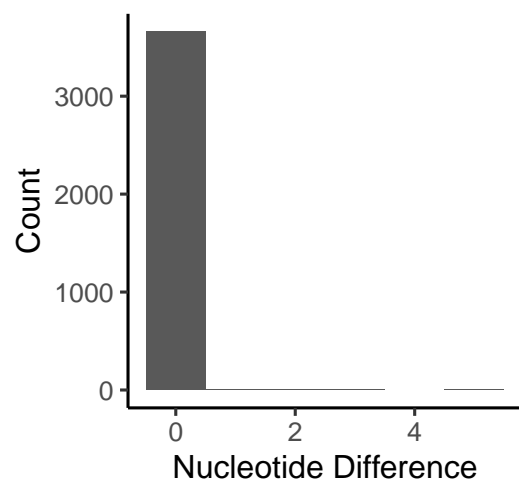
### TRBV10-3\*ap01

5462 sequences assigned  
5419 (99.2%) exact matches, in which:  
5343 unique CDR3  
13 unique J



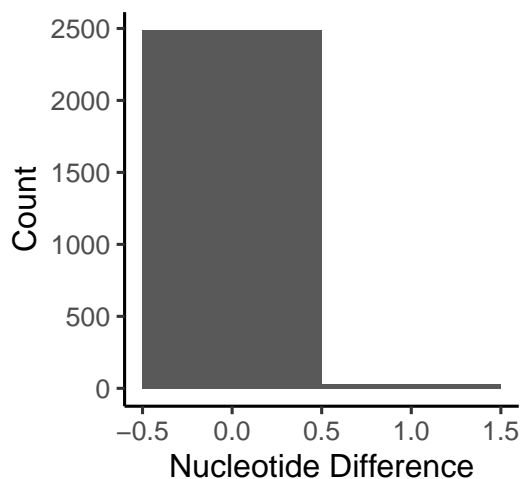
### TRBV14\*ap01

3670 sequences assigned  
3658 (99.7%) exact matches, in which:  
3631 unique CDR3  
13 unique J



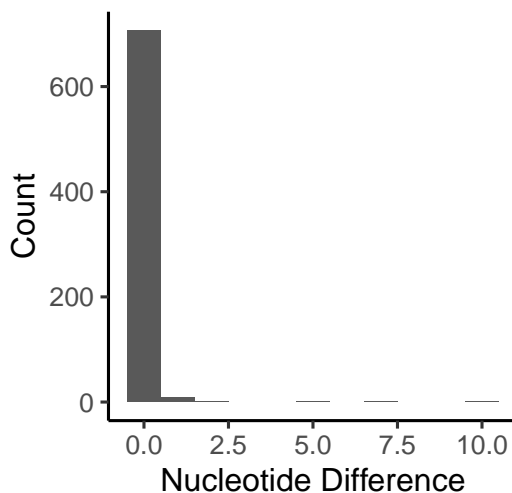
### TRBV20-1\*ap02

2520 sequences assigned  
2489 (98.8%) exact matches, in which:  
2477 unique CDR3  
13 unique J



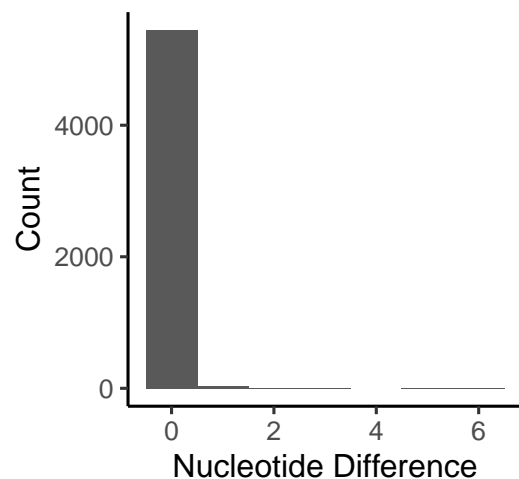
### TRBV1\*ap01

719 sequences assigned  
707 (98.3%) exact matches, in which:  
698 unique CDR3  
14 unique J



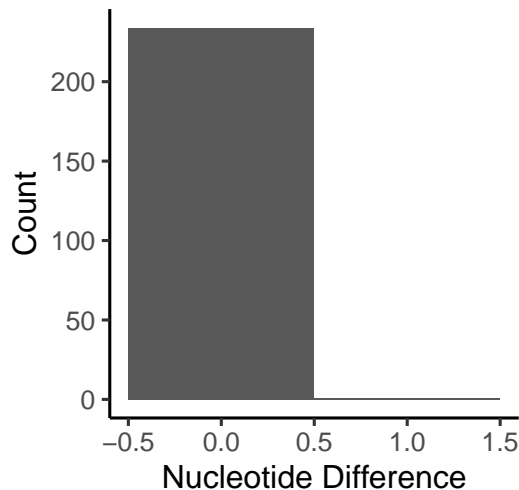
### TRBV15\*ap02

5490 sequences assigned  
5447 (99.2%) exact matches, in which:  
5381 unique CDR3  
13 unique J



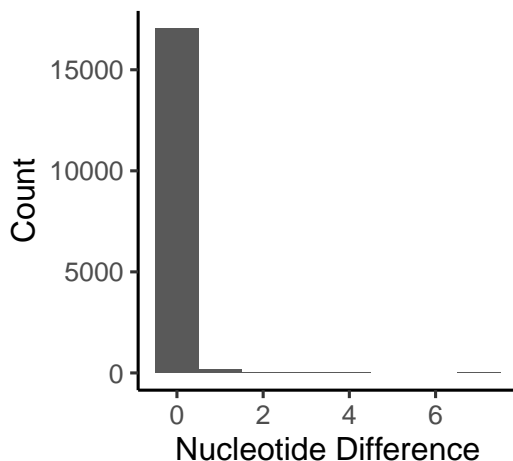
### TRBV16\*ap01

235 sequences assigned  
234 (99.6%) exact matches, in which:  
234 unique CDR3  
13 unique J



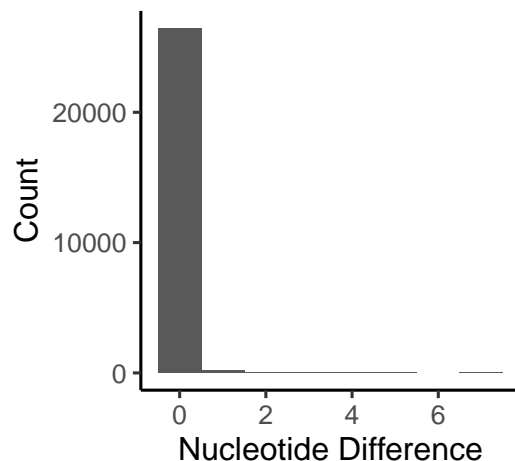
### TRBV2\*ap01

17237 sequences assigned  
17059 (99%) exact matches, in which:  
16774 unique CDR3  
13 unique J



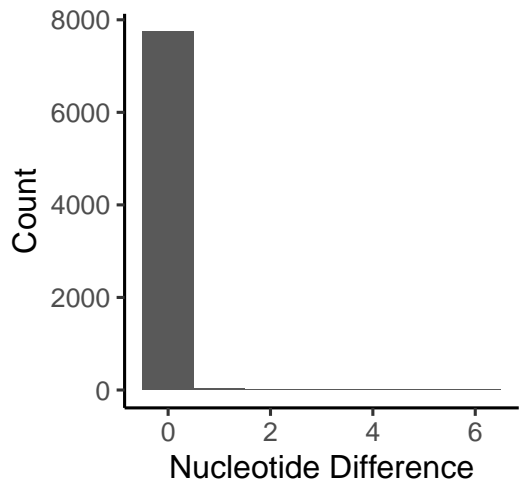
### TRBV28\*ap01

26650 sequences assigned  
26458 (99.3%) exact matches, in which:  
26206 unique CDR3  
14 unique J



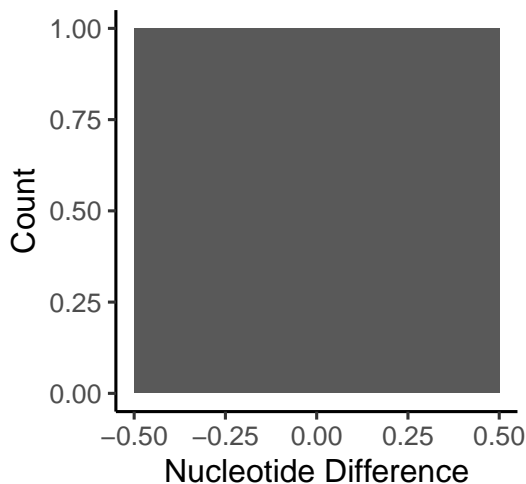
### TRBV18\*ap01

7780 sequences assigned  
7742 (99.5%) exact matches, in which:  
7692 unique CDR3  
13 unique J



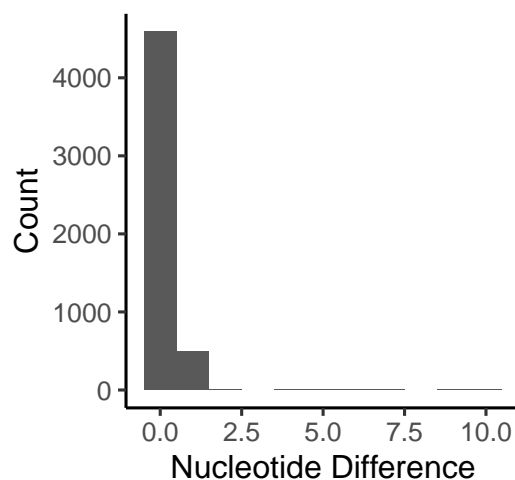
### TRBV26\*ap01

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



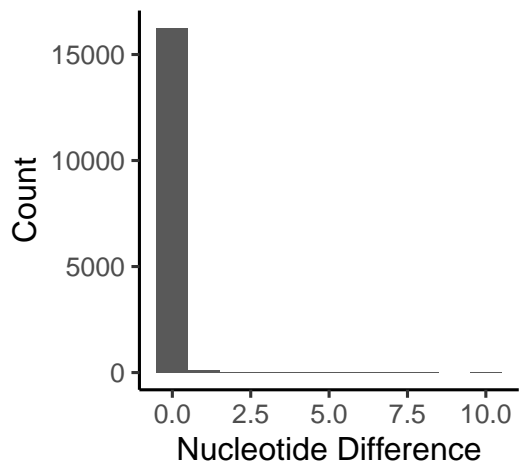
### TRBV30\*ap01

5098 sequences assigned  
4590 (90%) exact matches, in which:  
4516 unique CDR3  
13 unique J



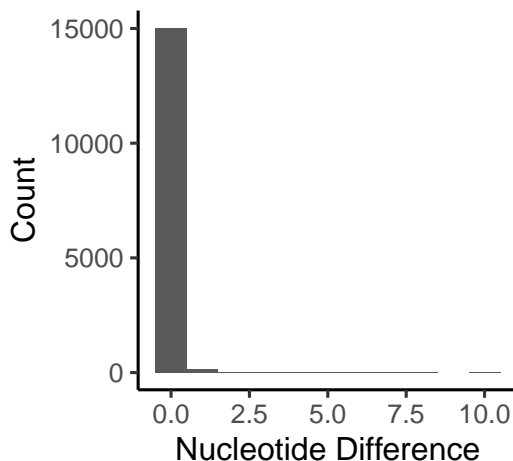
### TRBV19\*ap01

16377 sequences assigned  
16260 (99.3%) exact matches, in which:  
16179 unique CDR3  
13 unique J



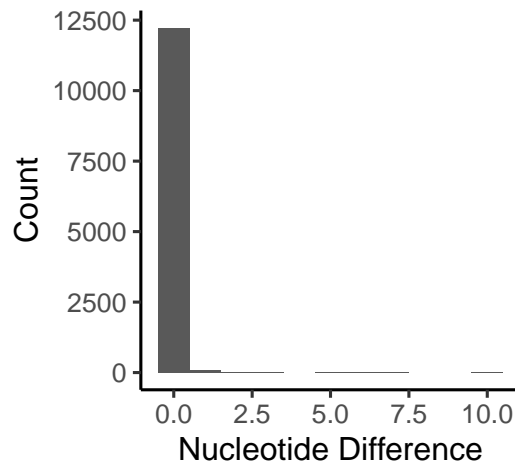
### TRBV27\*ap01

15195 sequences assigned  
15031 (98.9%) exact matches, in which:  
14771 unique CDR3  
13 unique J



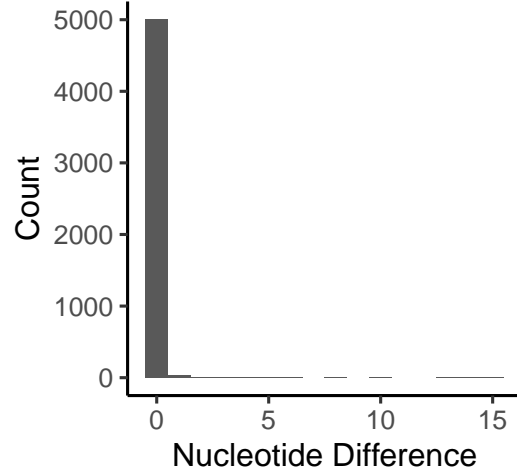
### TRBV9\*ap01

12318 sequences assigned  
12229 (99.3%) exact matches, in which:  
12113 unique CDR3  
13 unique J



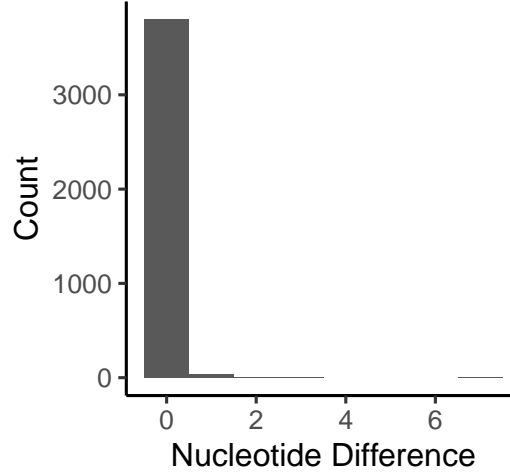
### TRBV21-1\*ap01

5070 sequences assigned  
5004 (98.7%) exact matches, in which:  
4960 unique CDR3  
13 unique J



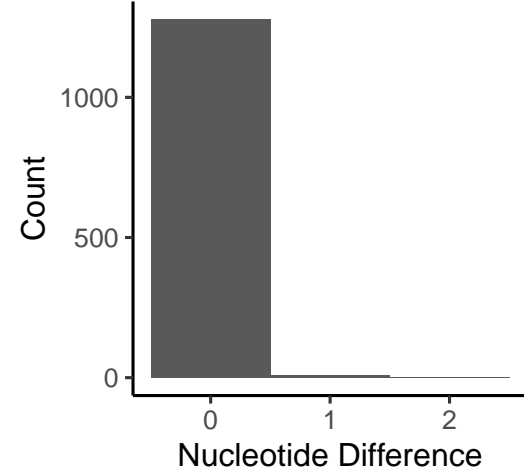
### TRBV11-3\*ap01

3842 sequences assigned  
3800 (98.9%) exact matches, in which:  
3771 unique CDR3  
13 unique J



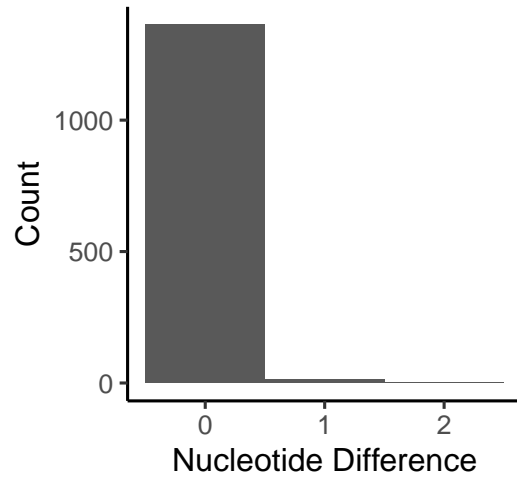
### TRBV12-5\*ap01

1288 sequences assigned  
1278 (99.2%) exact matches, in which:  
1271 unique CDR3  
13 unique J



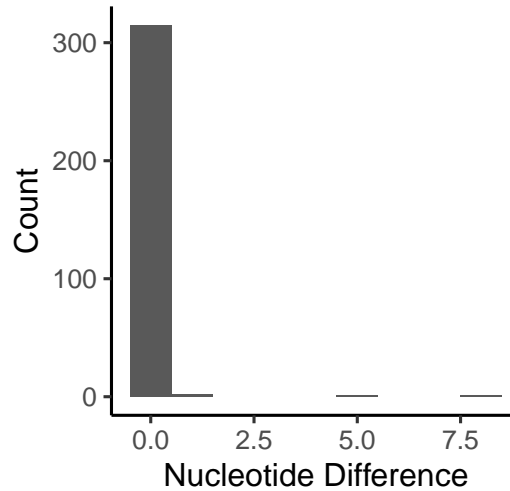
### TRBV11-1\*ap01

1379 sequences assigned  
1363 (98.8%) exact matches, in which:  
1352 unique CDR3  
13 unique J



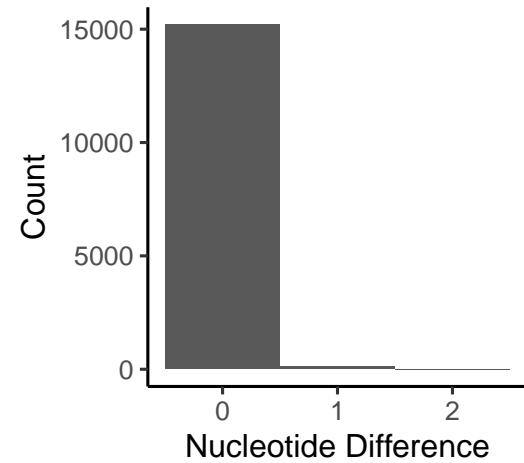
### TRBV12-1\*ap01

319 sequences assigned  
315 (98.7%) exact matches, in which:  
313 unique CDR3  
13 unique J



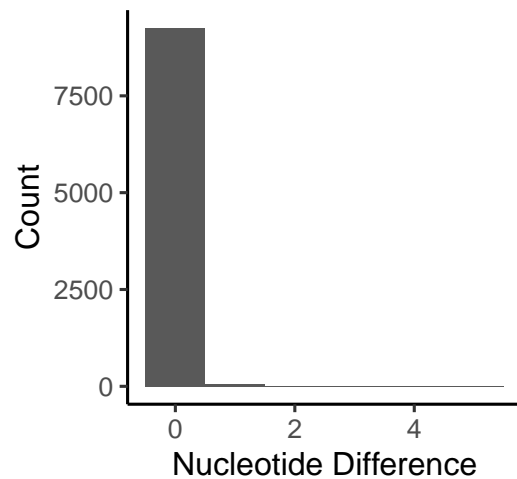
### TRBV12-34\*ap01

15325 sequences assigned  
15207 (99.2%) exact matches, in which:  
14999 unique CDR3  
13 unique J



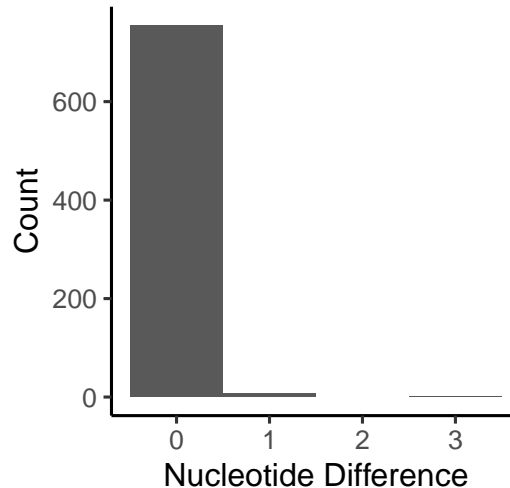
### TRBV11-2\*ap01

9322 sequences assigned  
9250 (99.2%) exact matches, in which:  
9114 unique CDR3  
13 unique J



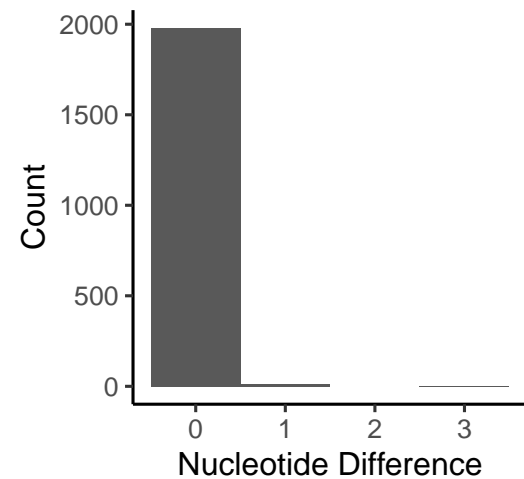
### TRBV12-2\*ap01

763 sequences assigned  
755 (99%) exact matches, in which:  
748 unique CDR3  
13 unique J



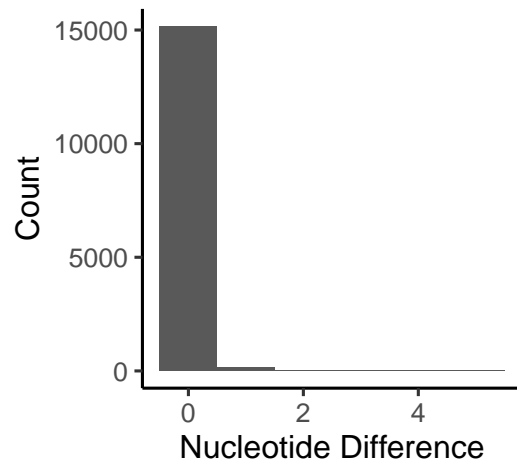
### TRBV23-1\*ap01

1993 sequences assigned  
1979 (99.3%) exact matches, in which:  
1964 unique CDR3  
13 unique J



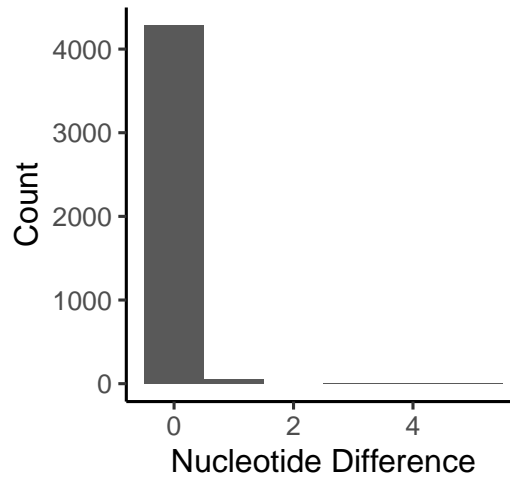
### TRBV3-12\*ap01

15333 sequences assigned  
15170 (98.9%) exact matches, in which:  
14922 unique CDR3  
13 unique J



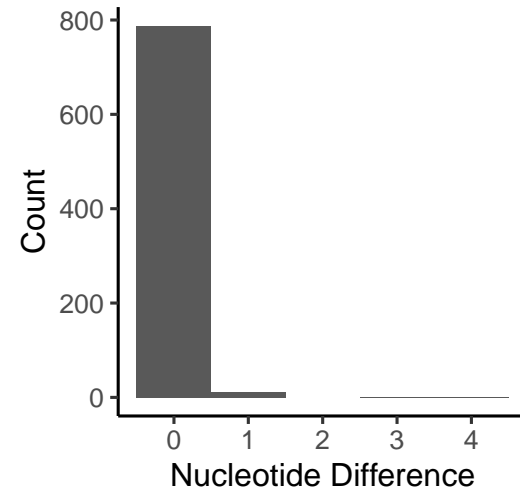
### TRBV4-2\*ap01

4338 sequences assigned  
4283 (98.7%) exact matches, in which:  
4209 unique CDR3  
13 unique J



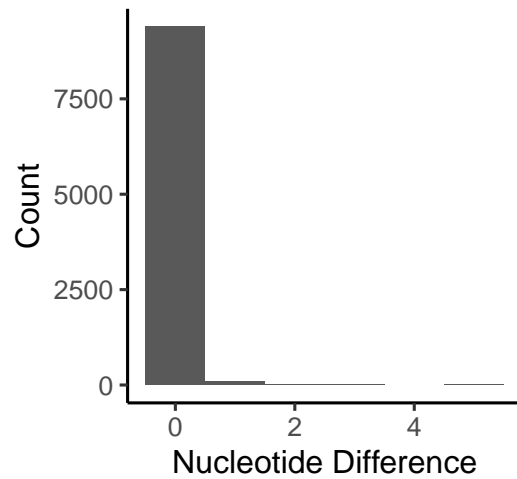
### TRBV5-3\*ap01

802 sequences assigned  
788 (98.3%) exact matches, in which:  
782 unique CDR3  
13 unique J



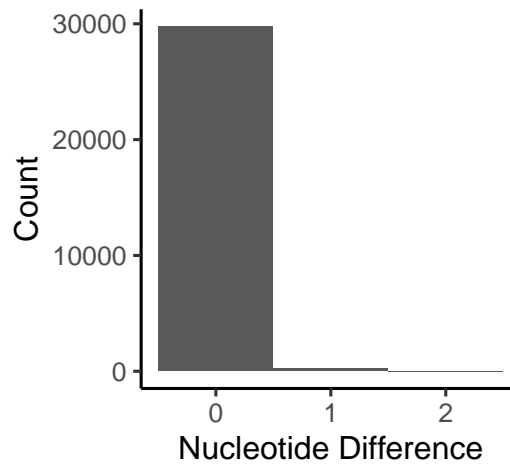
### TRBV4-1\*ap01

9472 sequences assigned  
9390 (99.1%) exact matches, in which:  
9224 unique CDR3  
13 unique J



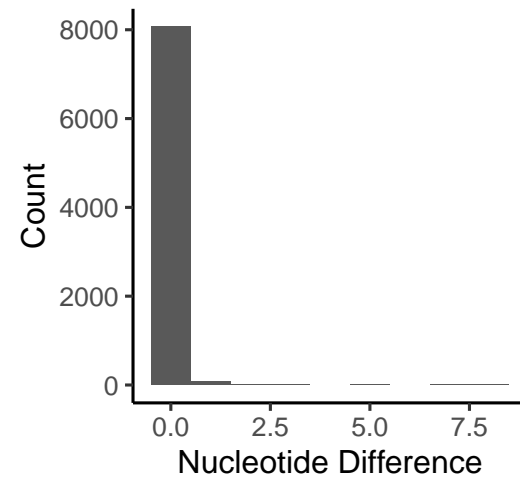
### TRBV5-1\*ap01

30019 sequences assigned  
29769 (99.2%) exact matches, in which:  
29284 unique CDR3  
13 unique J



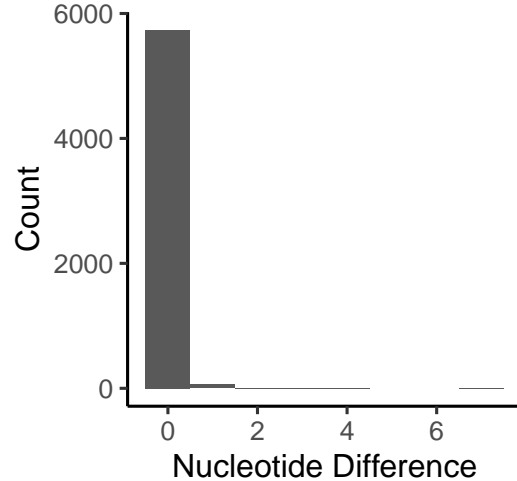
### TRBV5-4\*ap01

8142 sequences assigned  
8068 (99.1%) exact matches, in which:  
7944 unique CDR3  
13 unique J



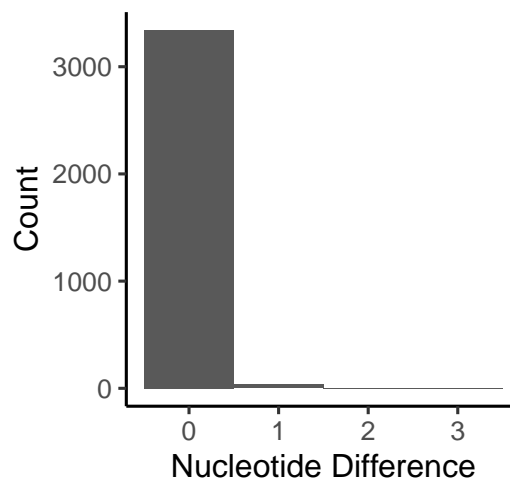
### TRBV24-1\*ap01

5802 sequences assigned  
5735 (98.8%) exact matches, in which:  
5673 unique CDR3  
13 unique J



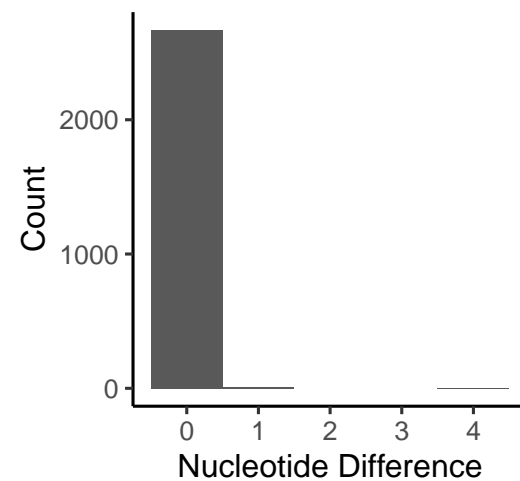
### TRBV25-1\*ap01

3384 sequences assigned  
3342 (98.8%) exact matches, in which:  
3271 unique CDR3  
13 unique J



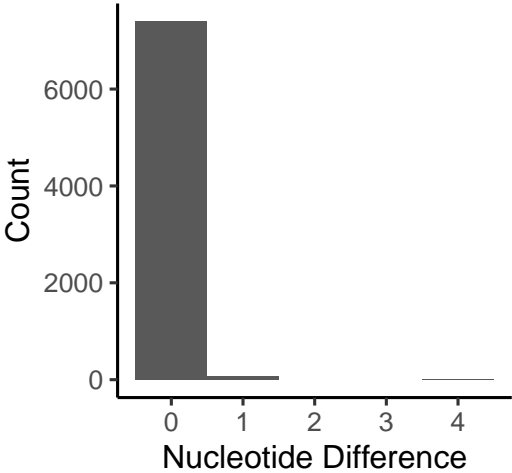
### TRBV5-5\*ap01

2680 sequences assigned  
2668 (99.6%) exact matches, in which:  
2657 unique CDR3  
13 unique J



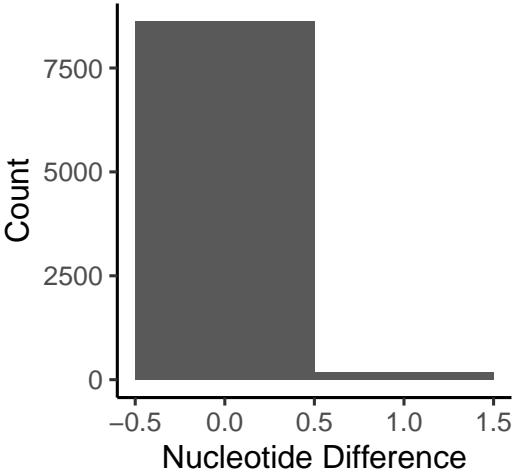
TRBV5-6\*ap01

7480 sequences assigned  
7397 (98.9%) exact matches, in which:  
7238 unique CDR3  
13 unique J



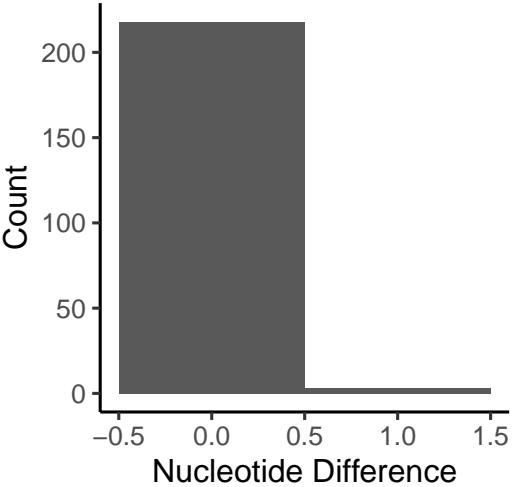
TRBV6-1\*ap01

8803 sequences assigned  
8621 (97.9%) exact matches, in which:  
8472 unique CDR3  
13 unique J



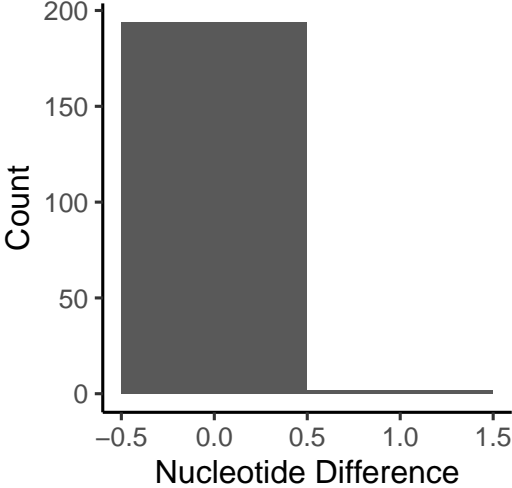
TRBV6-8\*ap01

221 sequences assigned  
218 (98.6%) exact matches, in which:  
215 unique CDR3  
13 unique J



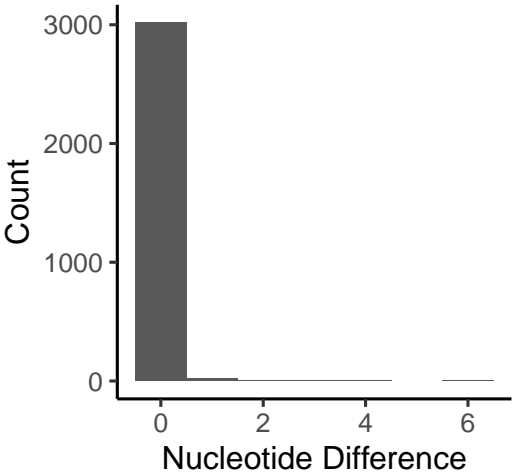
TRBV5-7\*ap01

196 sequences assigned  
194 (99%) exact matches, in which:  
193 unique CDR3  
13 unique J



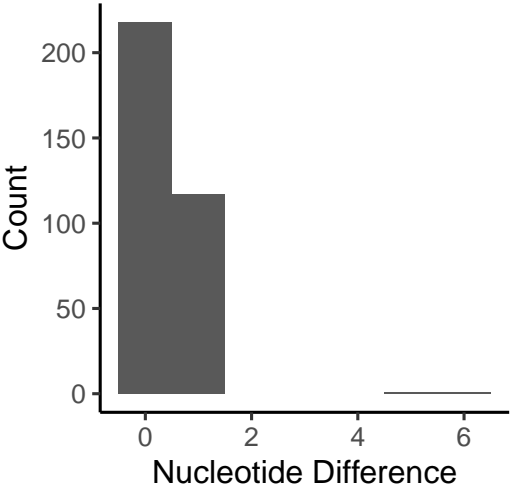
TRBV6-4\*ap01

3051 sequences assigned  
3017 (98.9%) exact matches, in which:  
2988 unique CDR3  
13 unique J



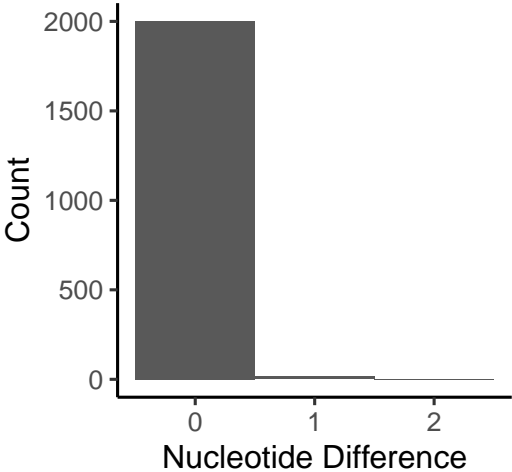
TRBV6-9\*ap01

337 sequences assigned  
218 (64.7%) exact matches, in which:  
212 unique CDR3  
13 unique J



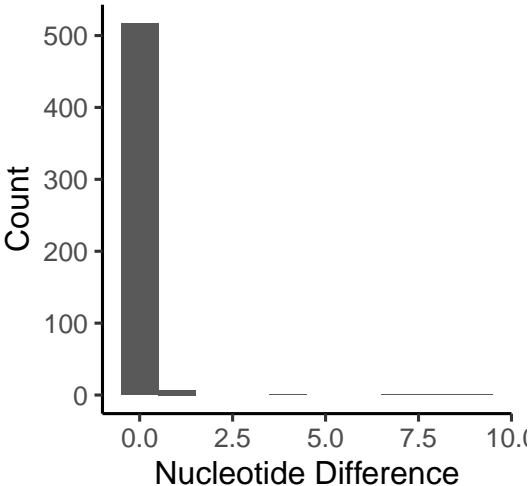
TRBV5-8\*ap01

2019 sequences assigned  
2002 (99.2%) exact matches, in which:  
1985 unique CDR3  
13 unique J



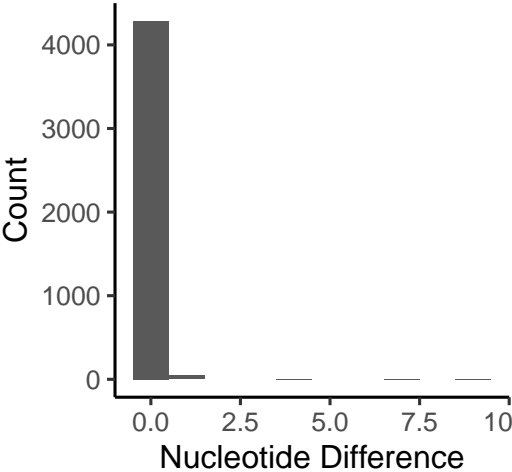
TRBV6-7\*ap01

528 sequences assigned  
517 (97.9%) exact matches, in which:  
511 unique CDR3  
13 unique J



TRBV6-23\*ap01

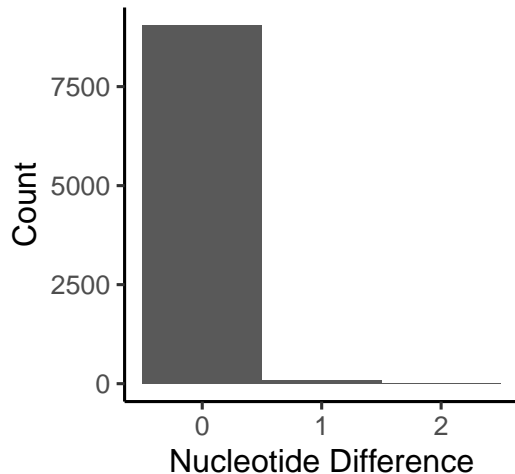
4336 sequences assigned  
4285 (98.8%) exact matches, in which:  
4204 unique CDR3  
13 unique J





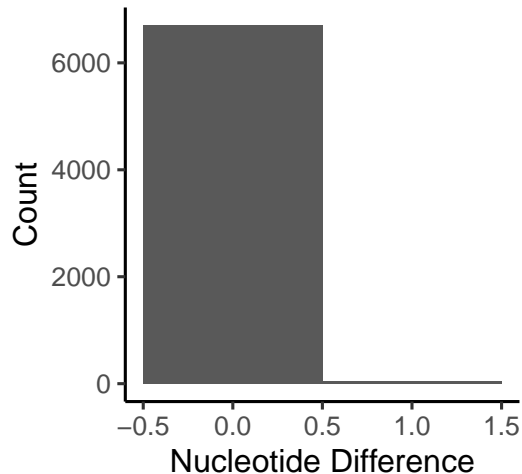
### TRBV6-56\*ap01

9134 sequences assigned  
9045 (99%) exact matches, in which:  
8888 unique CDR3  
13 unique J



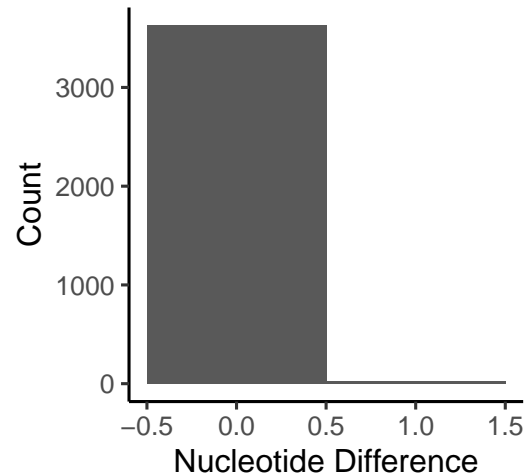
### TRBV7-2\*ap01

6741 sequences assigned  
6700 (99.4%) exact matches, in which:  
6646 unique CDR3  
13 unique J



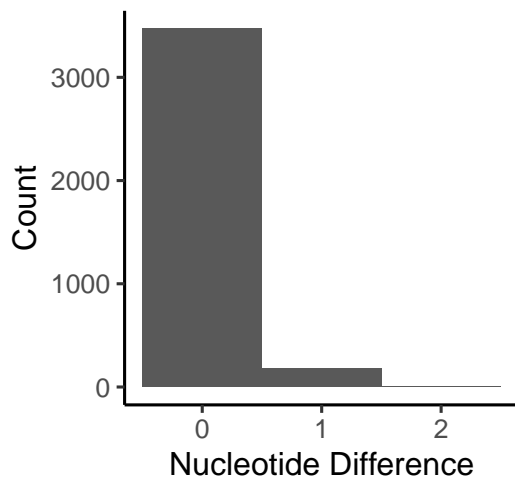
### TRBV7-6\*ap01

3652 sequences assigned  
3628 (99.3%) exact matches, in which:  
3587 unique CDR3  
13 unique J



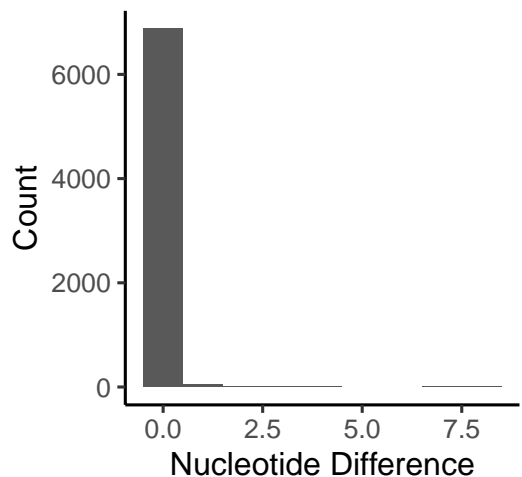
### TRBV6-56\*ap02

3655 sequences assigned  
3471 (95%) exact matches, in which:  
3410 unique CDR3  
13 unique J



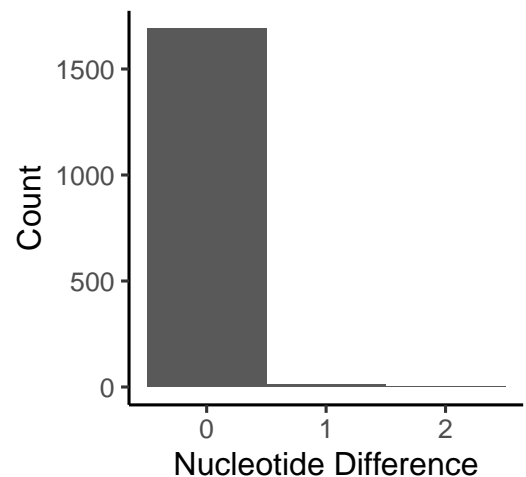
### TRBV7-3\*ap01

6936 sequences assigned  
6877 (99.1%) exact matches, in which:  
6835 unique CDR3  
13 unique J



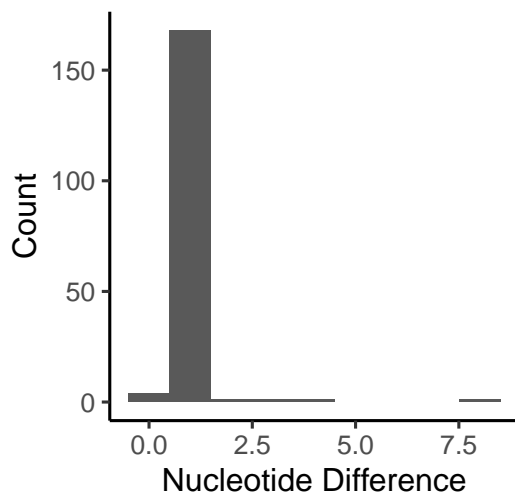
### TRBV7-7\*ap01\_C315T

1704 sequences assigned  
1690 (99.2%) exact matches, in which:  
1670 unique CDR3  
13 unique J



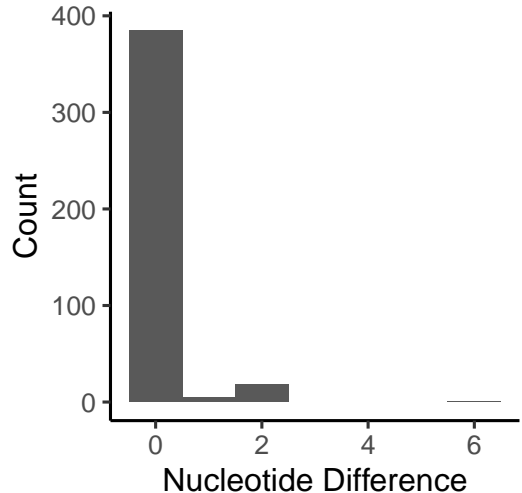
### TRBV7-1\*ap01\_T296C

176 sequences assigned  
4 (2.3%) exact matches, in which:  
4 unique CDR3  
3 unique J



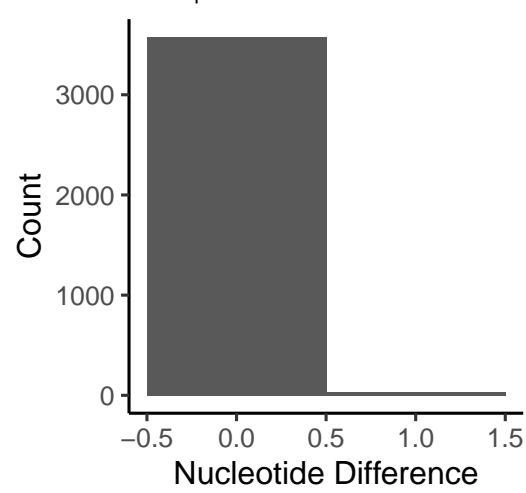
### TRBV7-4\*ap01

409 sequences assigned  
385 (94.1%) exact matches, in which:  
380 unique CDR3  
13 unique J



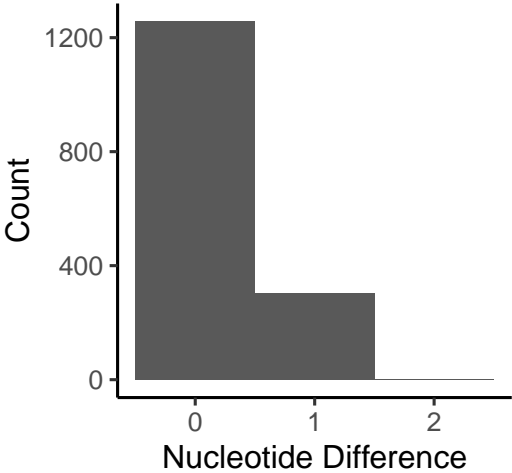
### TRBV7-8\*ap01

3610 sequences assigned  
3576 (99.1%) exact matches, in which:  
3523 unique CDR3  
13 unique J



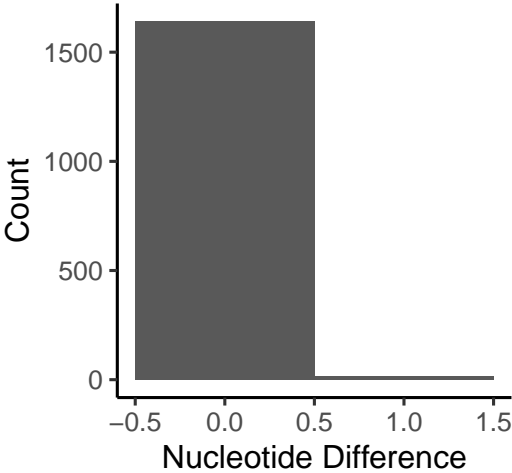
TRBV7-8\*ap03

1563 sequences assigned  
1257 (80.4%) exact matches, in which:  
1239 unique CDR3  
13 unique J



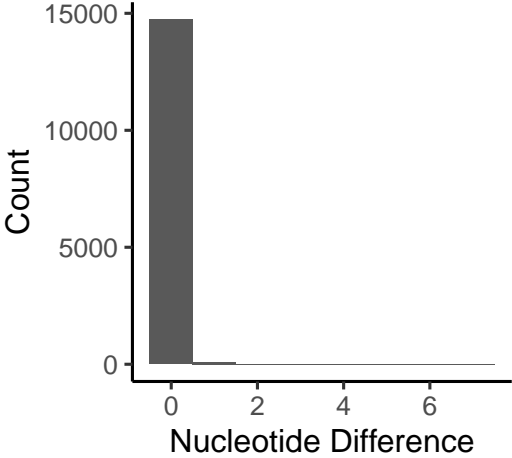
TRBV29-1\*ap02

1655 sequences assigned  
1641 (99.2%) exact matches, in which:  
1612 unique CDR3  
13 unique J



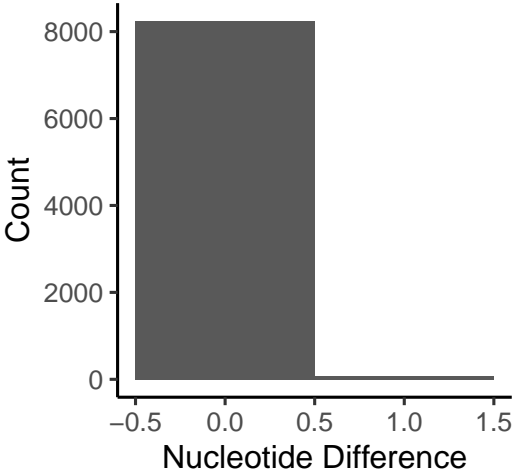
TRBV7-9\*ap01

14843 sequences assigned  
14737 (99.3%) exact matches, in which:  
14612 unique CDR3  
13 unique J

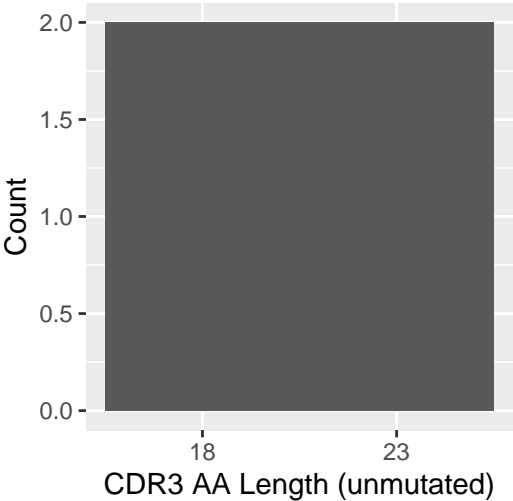


TRBV29-1\*ap01

8322 sequences assigned  
8243 (99.1%) exact matches, in which:  
8105 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

