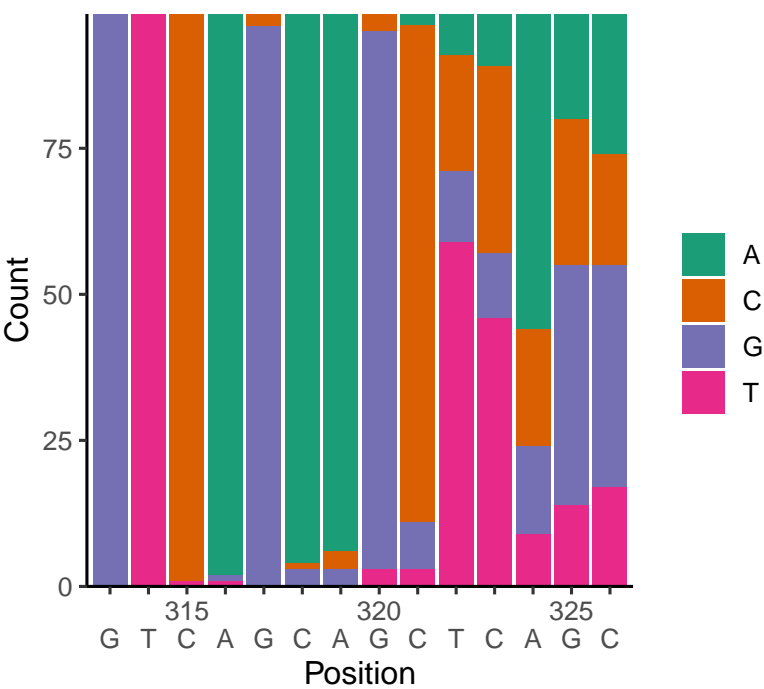
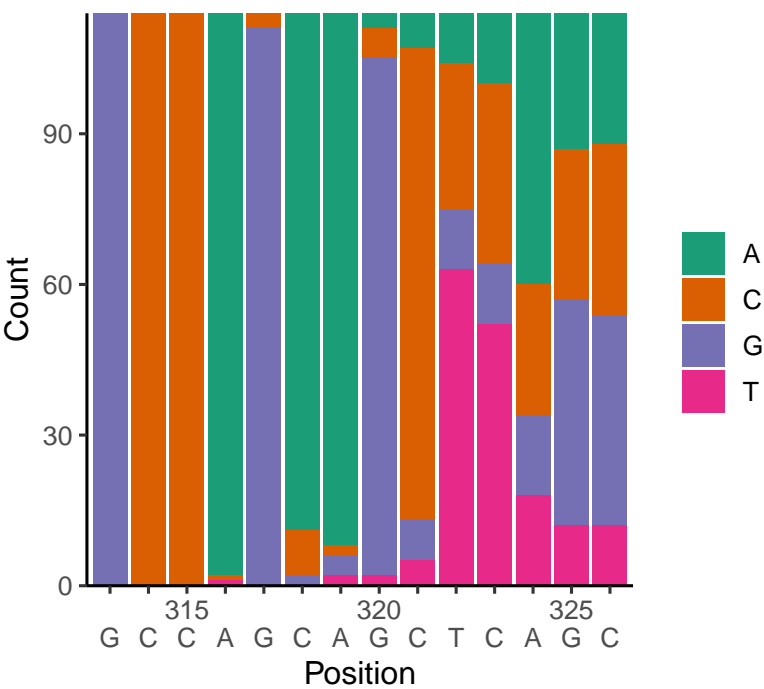


Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



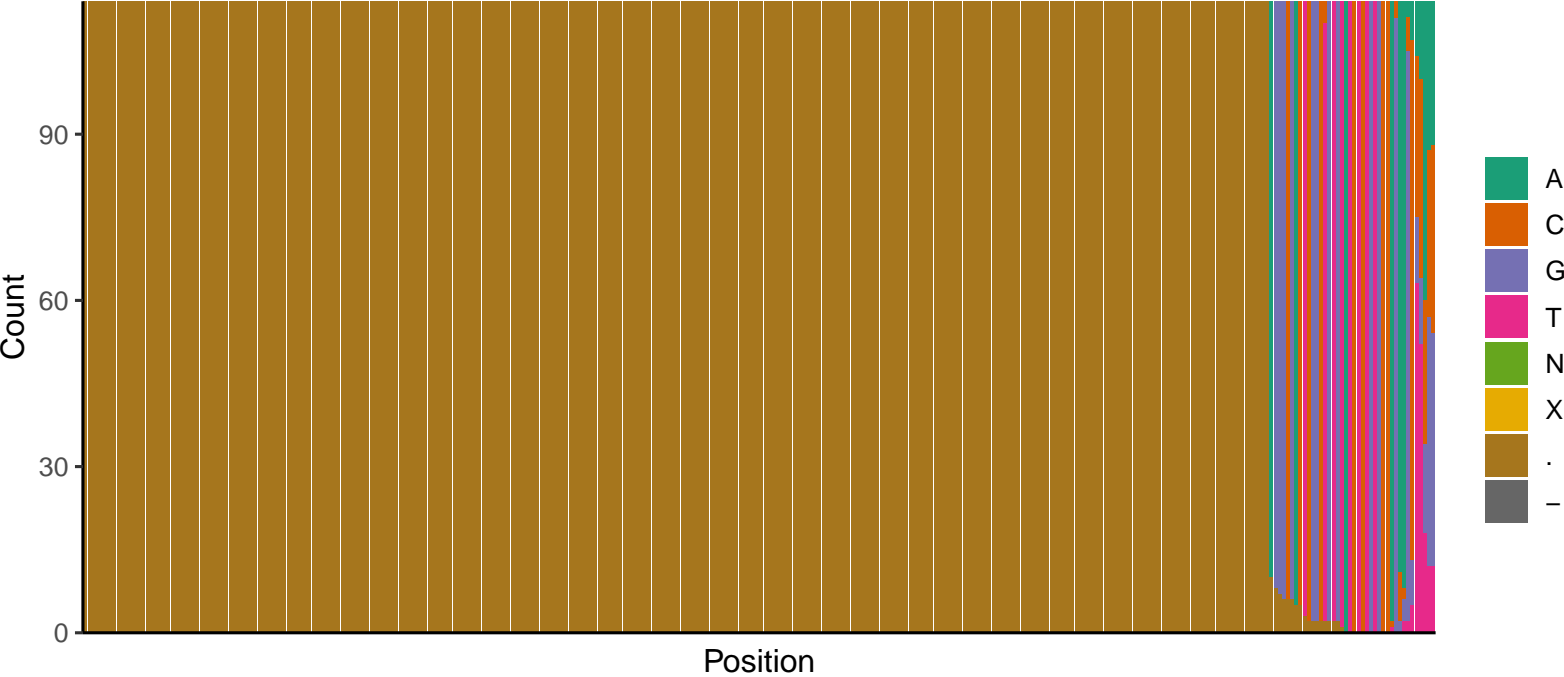
Gene TRBV7-1\*ap01\_G291C\_T296C



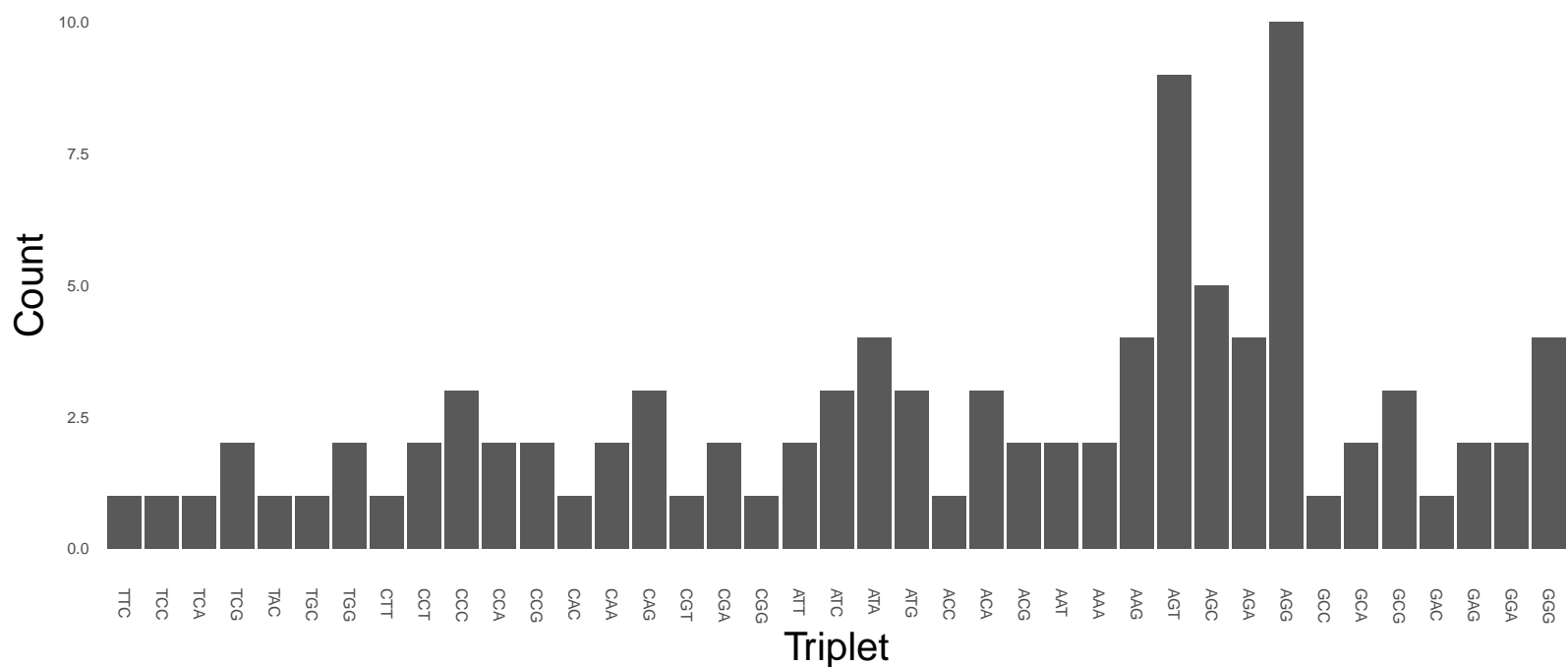
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



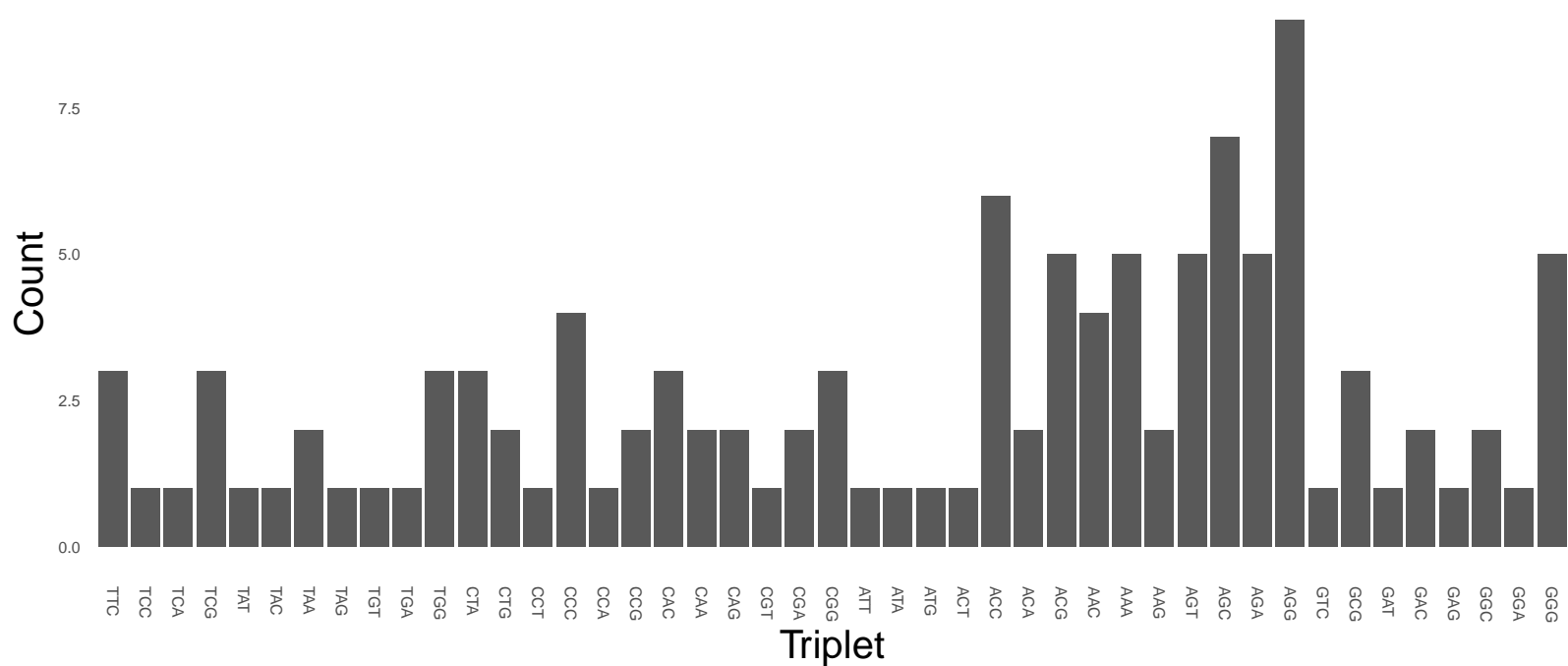
Gene TRBV7-1\*ap01\_G291C\_T296C



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

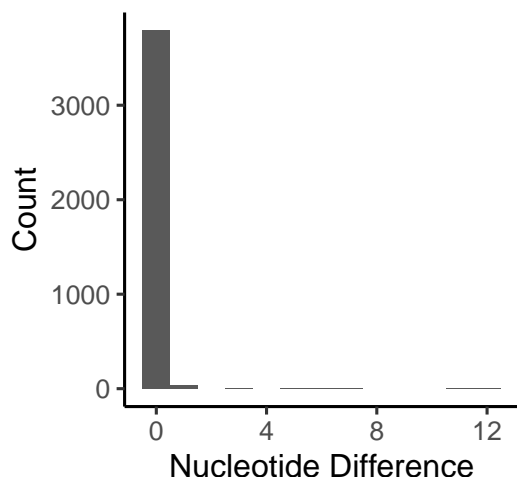


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



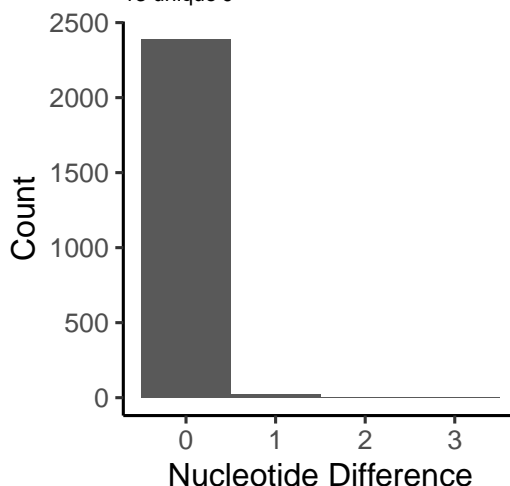
### TRBV10-1\*ap01

3839 sequences assigned  
3792 (98.8%) exact matches, in which:  
3663 unique CDR3  
13 unique J



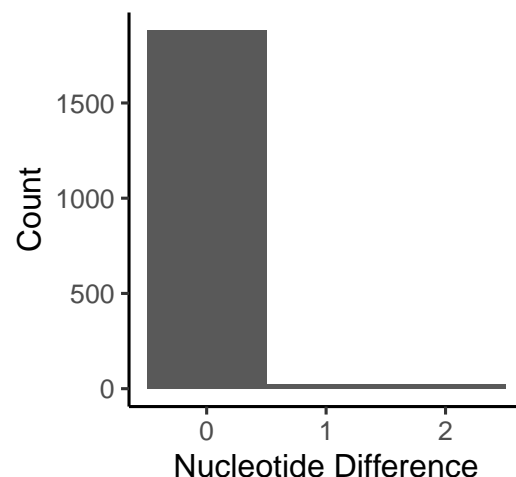
### TRBV10-2\*ap01

2412 sequences assigned  
2388 (99%) exact matches, in which:  
2313 unique CDR3  
13 unique J



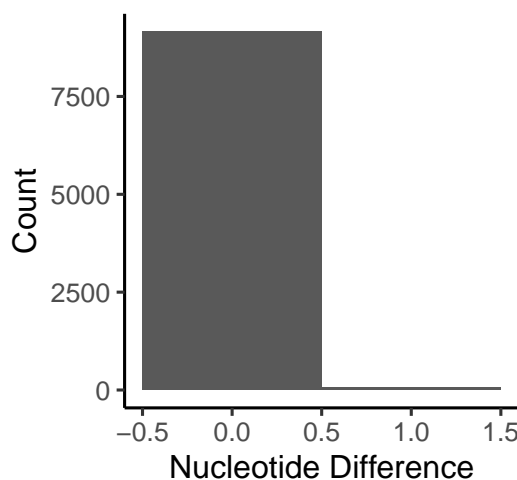
### TRBV13\*ap01

1926 sequences assigned  
1881 (97.7%) exact matches, in which:  
1788 unique CDR3  
13 unique J



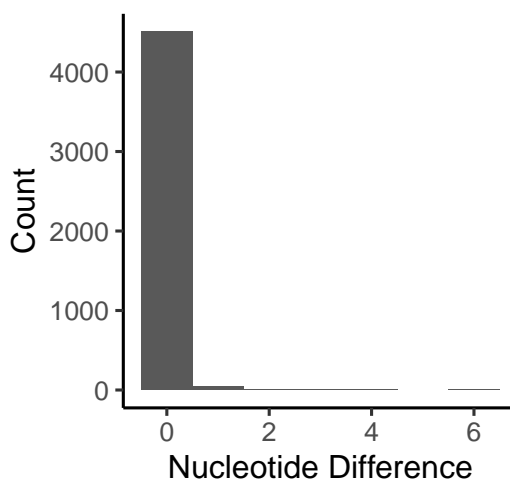
### TRBV20-1\*ap01

9210 sequences assigned  
9154 (99.4%) exact matches, in which:  
9010 unique CDR3  
13 unique J



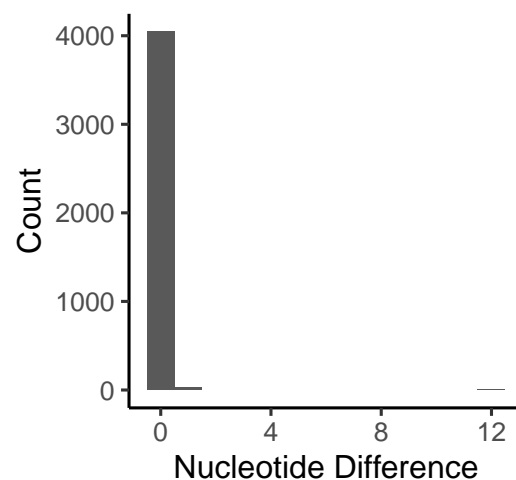
### TRBV10-3\*ap01

4560 sequences assigned  
4507 (98.8%) exact matches, in which:  
4339 unique CDR3  
13 unique J



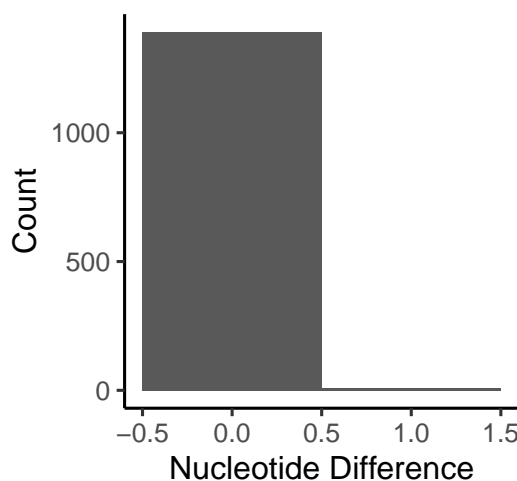
### TRBV14\*ap01

4072 sequences assigned  
4045 (99.3%) exact matches, in which:  
3947 unique CDR3  
13 unique J



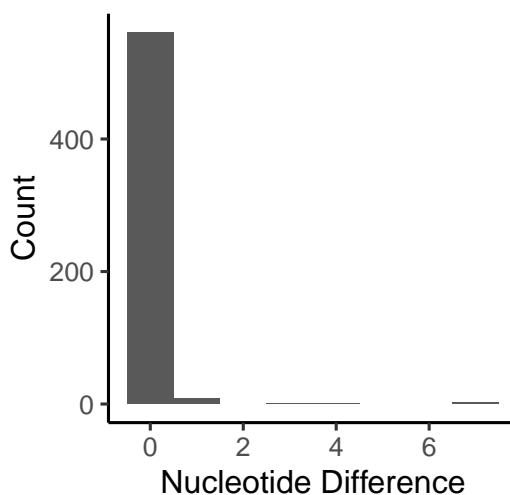
### TRBV20-1\*ap02

1401 sequences assigned  
1391 (99.3%) exact matches, in which:  
1371 unique CDR3  
13 unique J



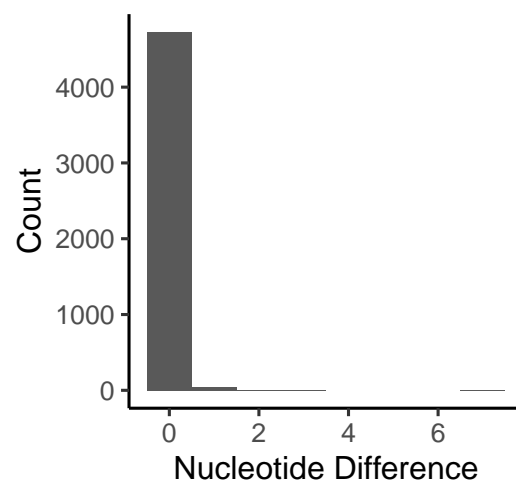
### TRBV1\*ap01

573 sequences assigned  
561 (97.9%) exact matches, in which:  
534 unique CDR3  
13 unique J



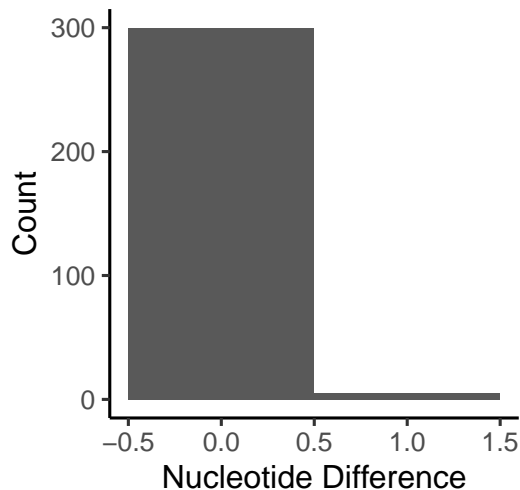
### TRBV15\*ap02

4776 sequences assigned  
4727 (99%) exact matches, in which:  
4568 unique CDR3  
13 unique J



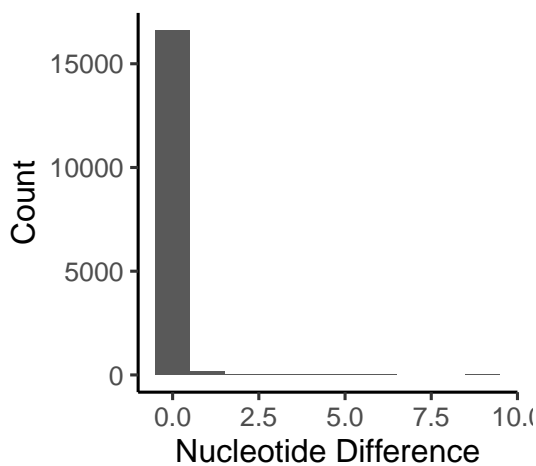
### TRBV16\*ap01

305 sequences assigned  
300 (98.4%) exact matches, in which:  
295 unique CDR3  
13 unique J



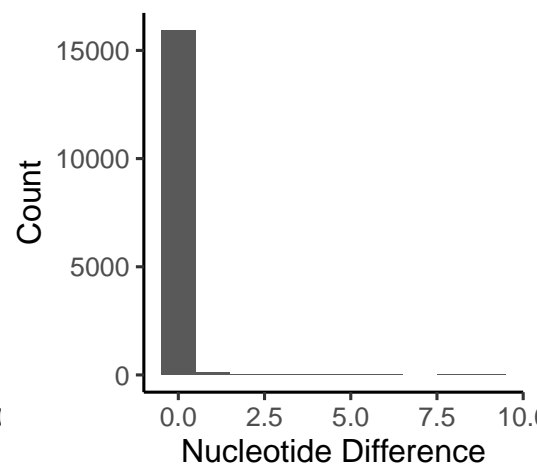
### TRBV19\*ap01

16795 sequences assigned  
16620 (99%) exact matches, in which:  
16363 unique CDR3  
13 unique J



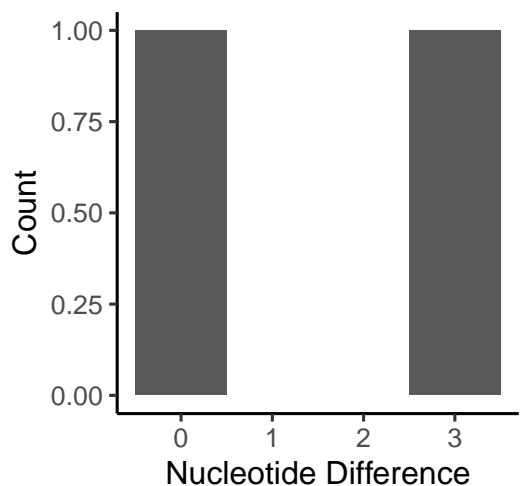
### TRBV27\*ap01

16084 sequences assigned  
15937 (99.1%) exact matches, in which:  
15519 unique CDR3  
13 unique J



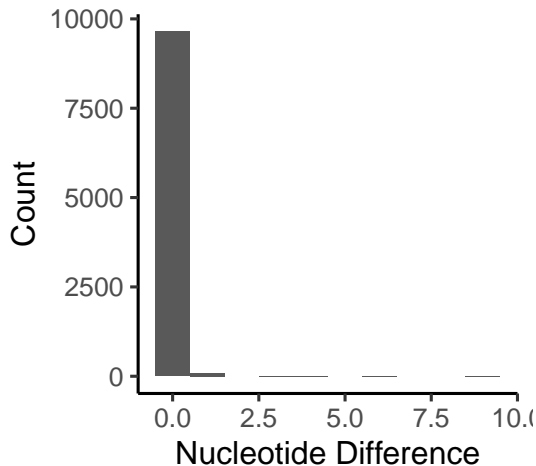
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



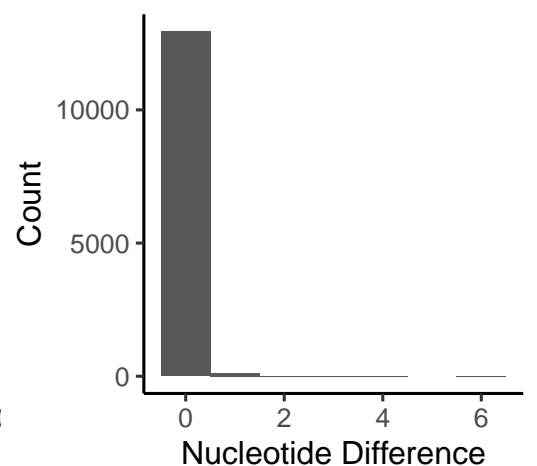
### TRBV2\*ap01

9748 sequences assigned  
9648 (99%) exact matches, in which:  
9331 unique CDR3  
13 unique J



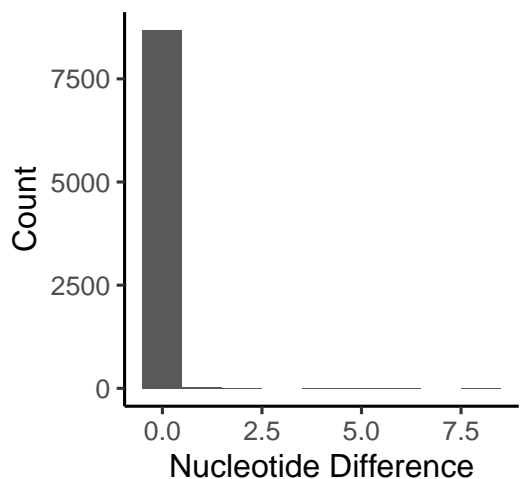
### TRBV28\*ap01

13066 sequences assigned  
12944 (99.1%) exact matches, in which:  
12612 unique CDR3  
13 unique J



### TRBV18\*ap01

8723 sequences assigned  
8683 (99.5%) exact matches, in which:  
8555 unique CDR3  
13 unique J



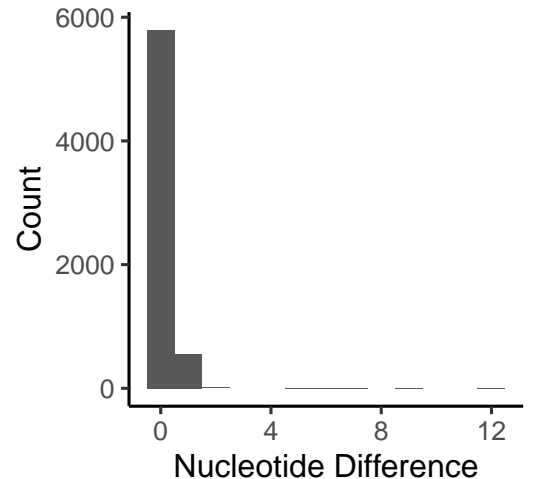
### TRBV26\*ap01

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



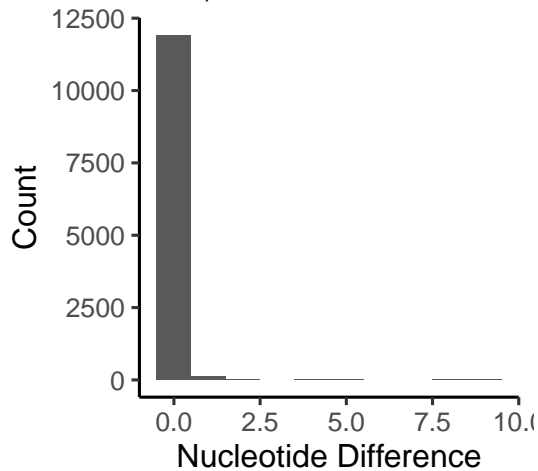
### TRBV30\*ap01

6373 sequences assigned  
5793 (90.9%) exact matches, in which:  
5506 unique CDR3  
14 unique J



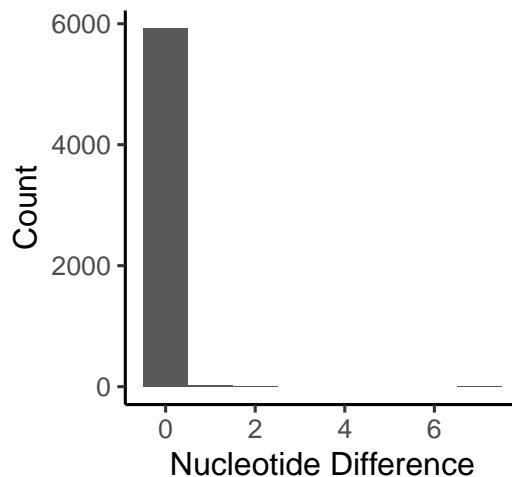
### TRBV9\*ap01

12032 sequences assigned  
11914 (99%) exact matches, in which:  
11699 unique CDR3  
13 unique J



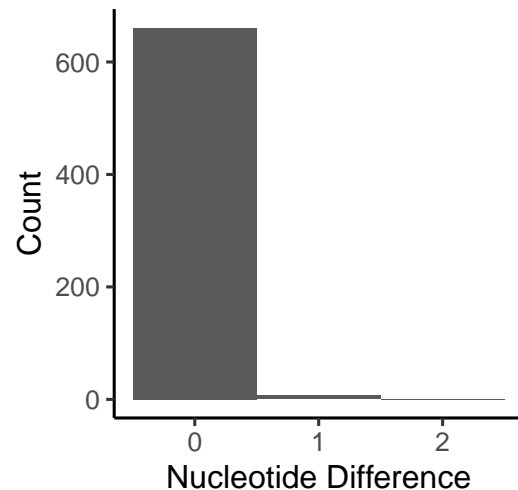
### TRBV11-2\*ap01

5943 sequences assigned  
5923 (99.7%) exact matches, in which:  
5864 unique CDR3  
13 unique J



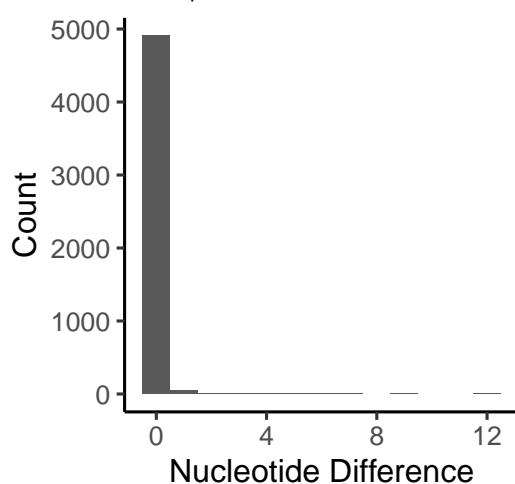
### TRBV12-2\*ap01

669 sequences assigned  
661 (98.8%) exact matches, in which:  
645 unique CDR3  
13 unique J



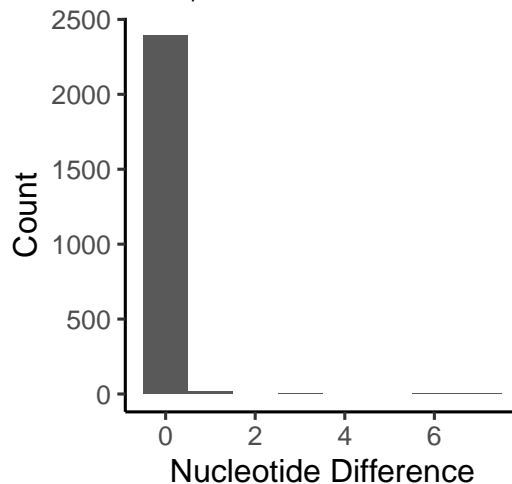
### TRBV21-1\*ap01

4970 sequences assigned  
4908 (98.8%) exact matches, in which:  
4844 unique CDR3  
14 unique J



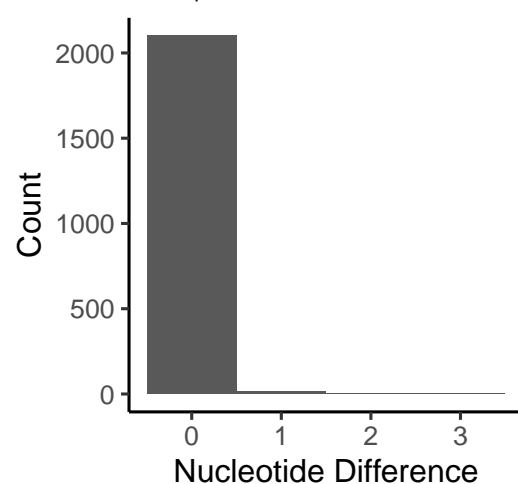
### TRBV11-3\*ap01

2408 sequences assigned  
2391 (99.3%) exact matches, in which:  
2370 unique CDR3  
13 unique J



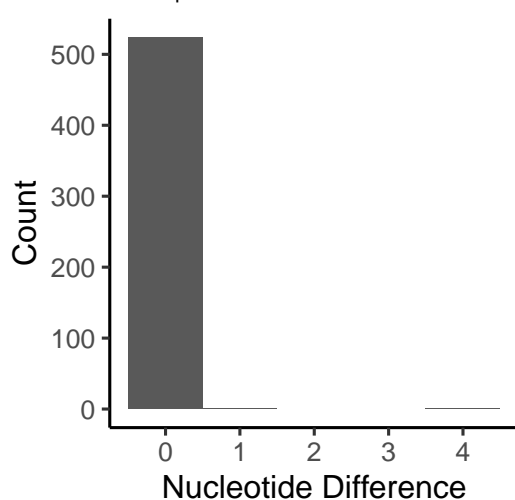
### TRBV12-5\*ap01

2118 sequences assigned  
2101 (99.2%) exact matches, in which:  
2049 unique CDR3  
13 unique J



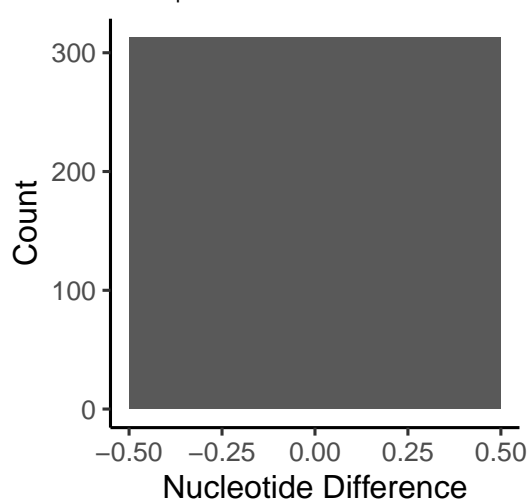
### TRBV11-1\*ap01

526 sequences assigned  
524 (99.6%) exact matches, in which:  
517 unique CDR3  
13 unique J



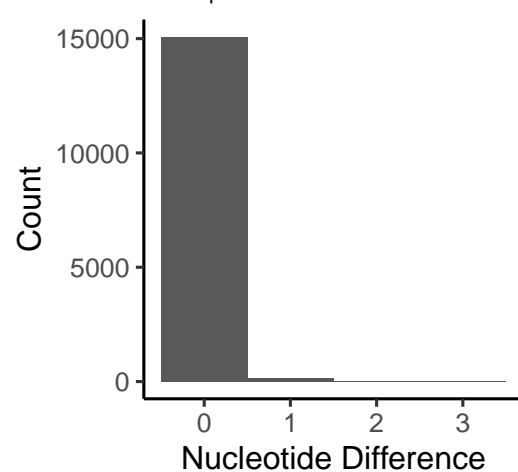
### TRBV12-1\*ap01

313 sequences assigned  
313 (100%) exact matches, in which:  
309 unique CDR3  
13 unique J



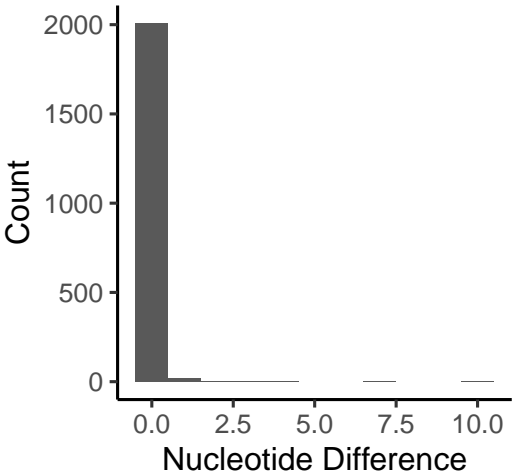
### TRBV12-34\*ap01

15240 sequences assigned  
15079 (98.9%) exact matches, in which:  
14631 unique CDR3  
13 unique J



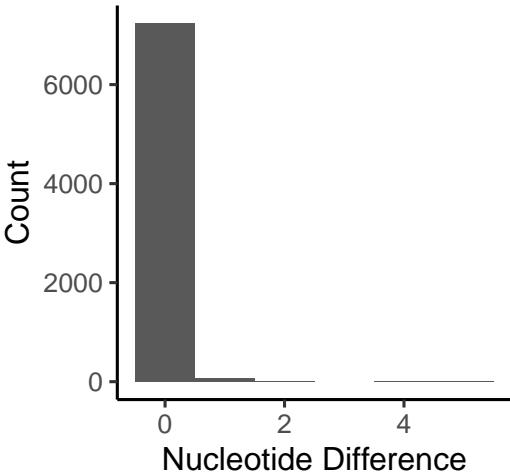
TRBV23-1\*ap01

2036 sequences assigned  
2007 (98.6%) exact matches, in which:  
1958 unique CDR3  
13 unique J



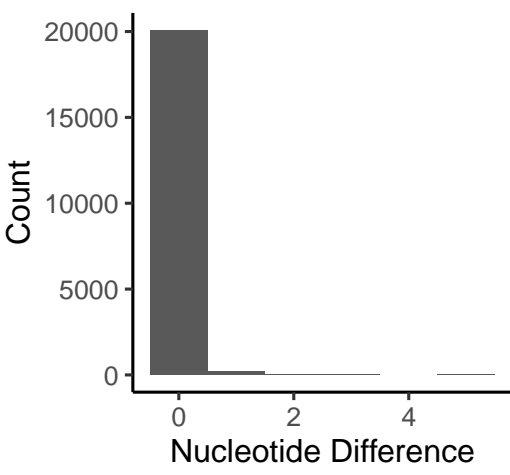
TRBV4-1\*ap01

7313 sequences assigned  
7236 (98.9%) exact matches, in which:  
6898 unique CDR3  
13 unique J



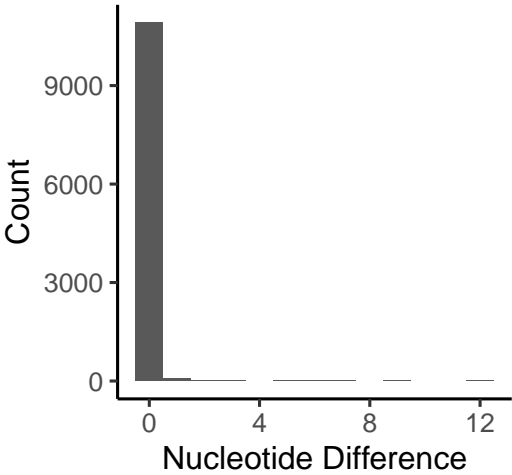
TRBV5-1\*ap01

20281 sequences assigned  
20081 (99%) exact matches, in which:  
19371 unique CDR3  
13 unique J



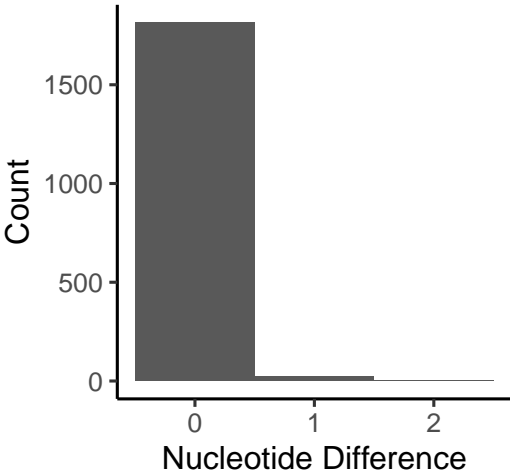
TRBV3-12\*ap01

10993 sequences assigned  
10915 (99.3%) exact matches, in which:  
10723 unique CDR3  
13 unique J



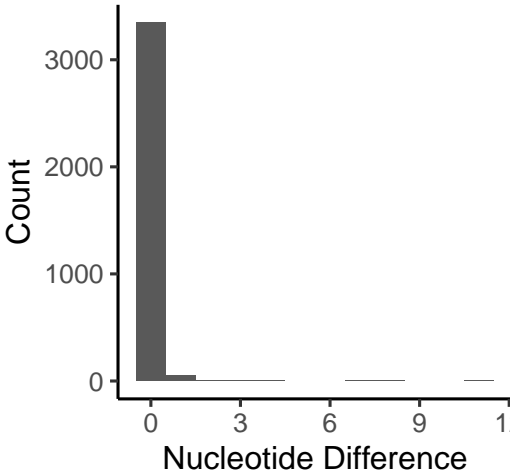
TRBV4-2\*ap01

1838 sequences assigned  
1814 (98.7%) exact matches, in which:  
1729 unique CDR3  
13 unique J



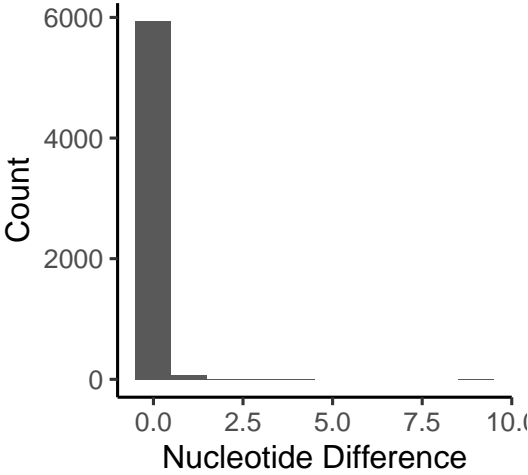
TRBV25-1\*ap01

3410 sequences assigned  
3346 (98.1%) exact matches, in which:  
3197 unique CDR3  
13 unique J



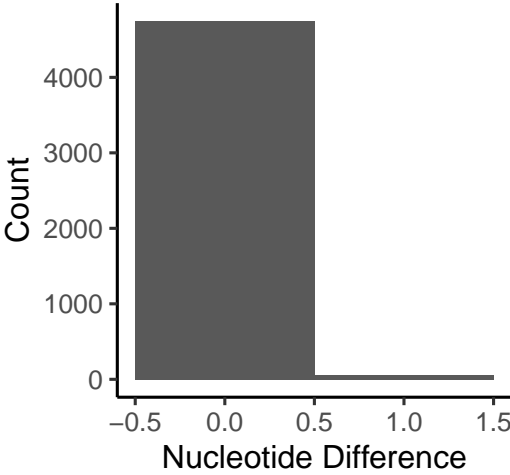
TRBV24-1\*ap01

6028 sequences assigned  
5940 (98.5%) exact matches, in which:  
5748 unique CDR3  
13 unique J



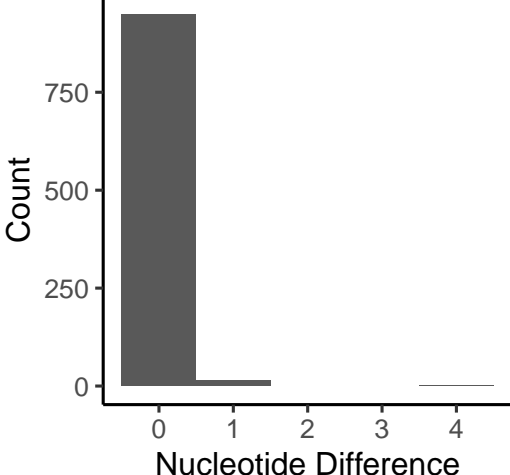
TRBV4-3\*ap01

4800 sequences assigned  
4746 (98.9%) exact matches, in which:  
4597 unique CDR3  
13 unique J



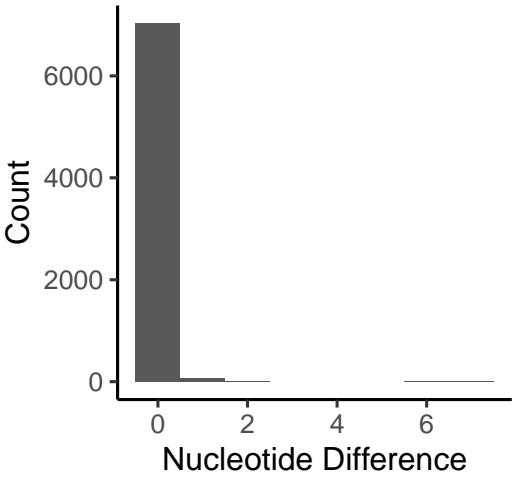
TRBV5-3\*ap01

964 sequences assigned  
949 (98.4%) exact matches, in which:  
928 unique CDR3  
13 unique J



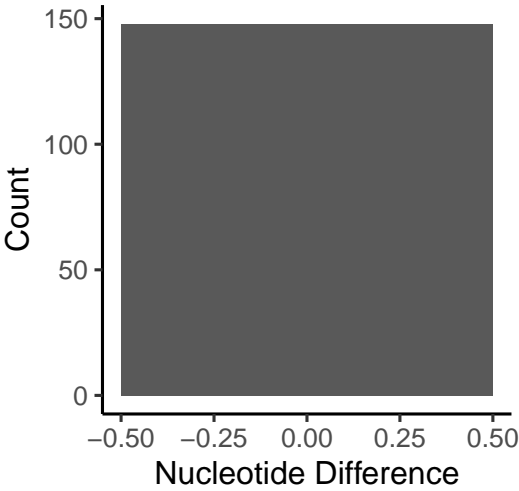
TRBV5-4\*ap01

7108 sequences assigned  
7030 (98.9%) exact matches, in which:  
6807 unique CDR3  
13 unique J



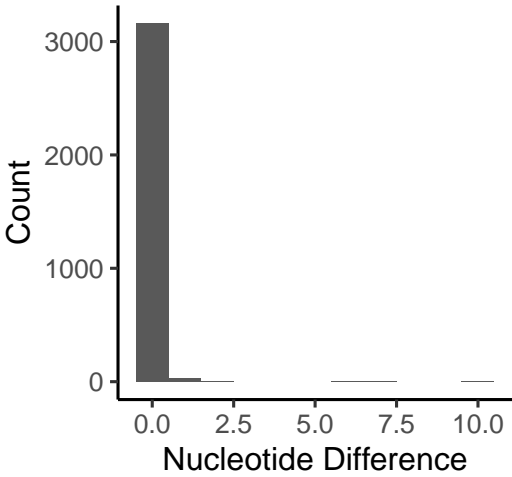
TRBV5-7\*ap01

148 sequences assigned  
148 (100%) exact matches, in which:  
141 unique CDR3  
13 unique J



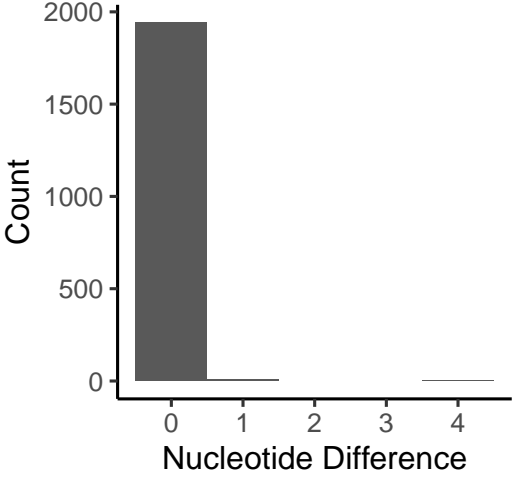
TRBV6-4\*ap01

3200 sequences assigned  
3160 (98.8%) exact matches, in which:  
3077 unique CDR3  
13 unique J



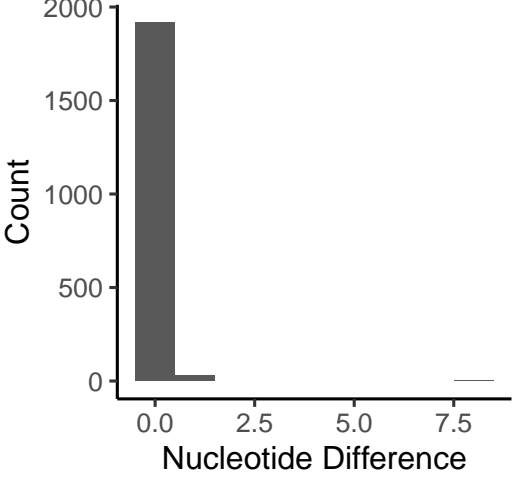
TRBV5-5\*ap01

1950 sequences assigned  
1941 (99.5%) exact matches, in which:  
1925 unique CDR3  
13 unique J



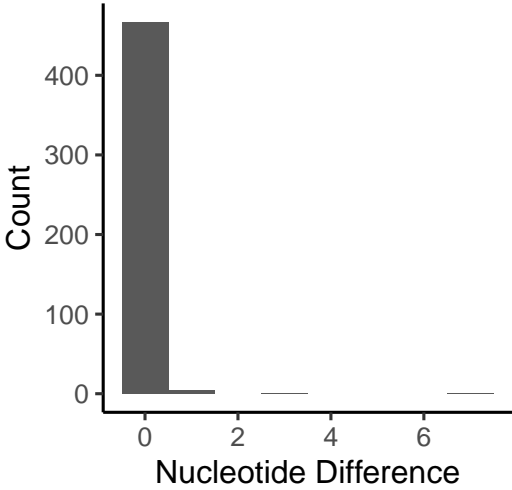
TRBV5-8\*ap01

1950 sequences assigned  
1916 (98.3%) exact matches, in which:  
1872 unique CDR3  
13 unique J



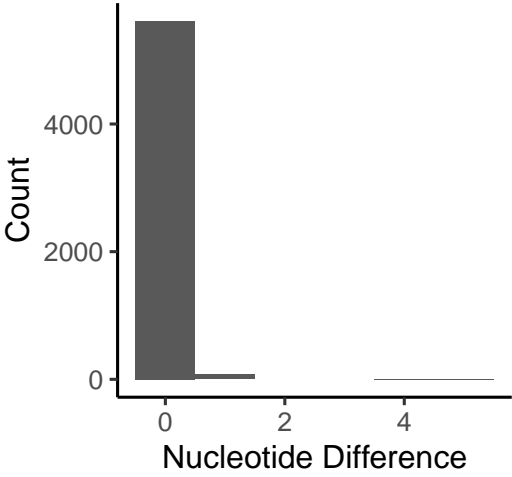
TRBV6-7\*ap01

473 sequences assigned  
467 (98.7%) exact matches, in which:  
445 unique CDR3  
13 unique J



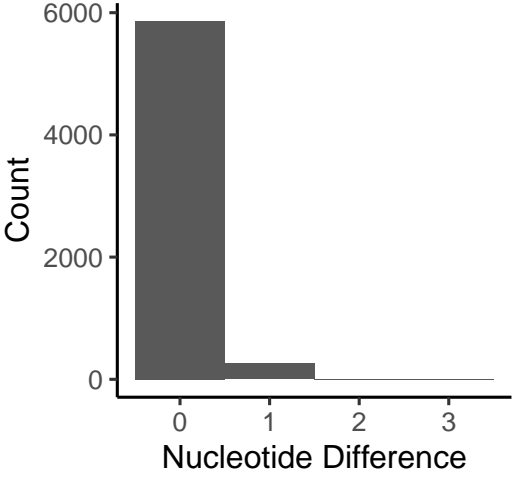
TRBV5-6\*ap01

5692 sequences assigned  
5613 (98.6%) exact matches, in which:  
5337 unique CDR3  
13 unique J



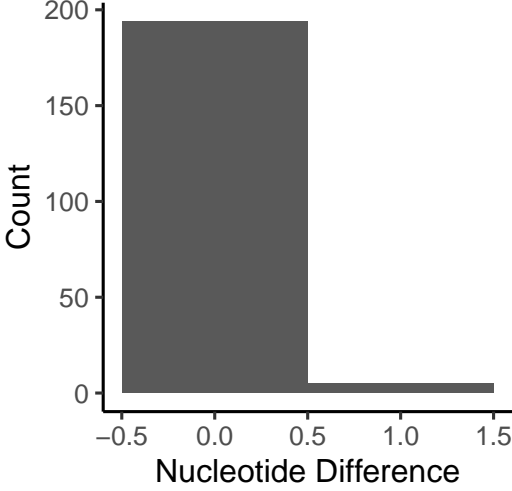
TRBV6-1\*ap01

6131 sequences assigned  
5863 (95.6%) exact matches, in which:  
5635 unique CDR3  
13 unique J



TRBV6-8\*ap01

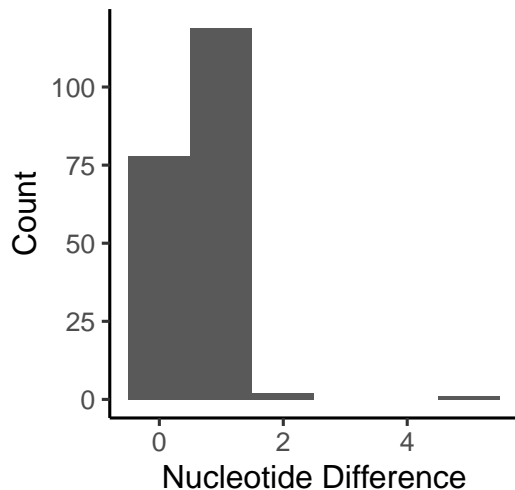
199 sequences assigned  
194 (97.5%) exact matches, in which:  
180 unique CDR3  
13 unique J





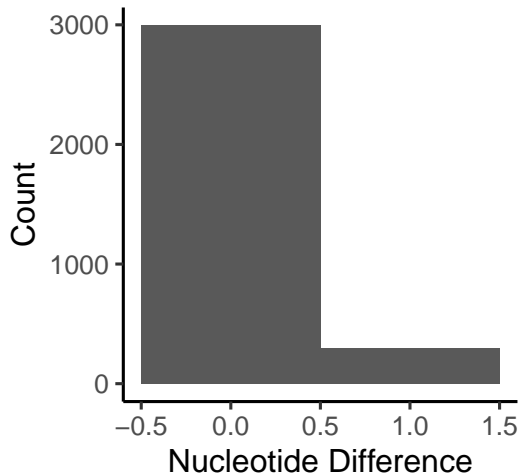
### TRBV6-9\*ap01

200 sequences assigned  
78 (39%) exact matches, in which:  
75 unique CDR3  
12 unique J



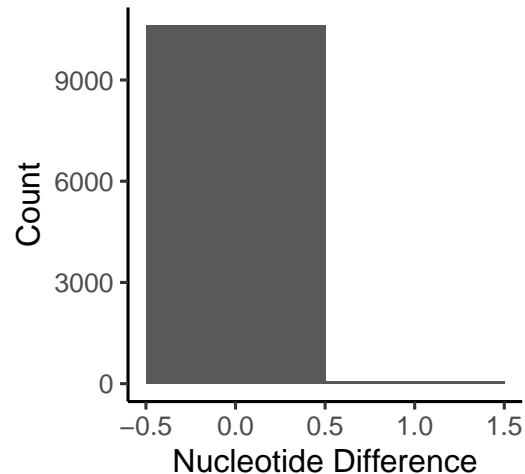
### TRBV6-56\*ap02

3292 sequences assigned  
2995 (91%) exact matches, in which:  
2860 unique CDR3  
13 unique J



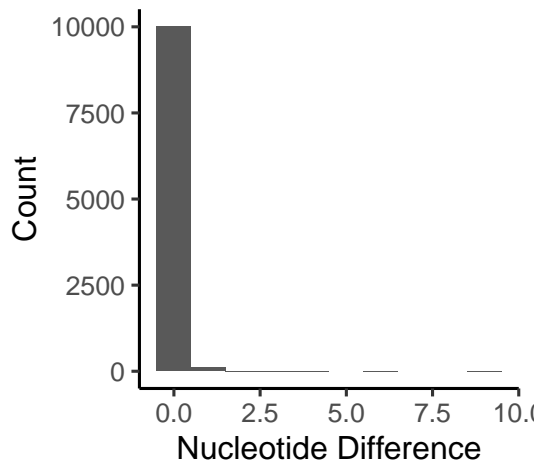
### TRBV7-2\*ap01

10679 sequences assigned  
10618 (99.4%) exact matches, in which:  
10384 unique CDR3  
13 unique J



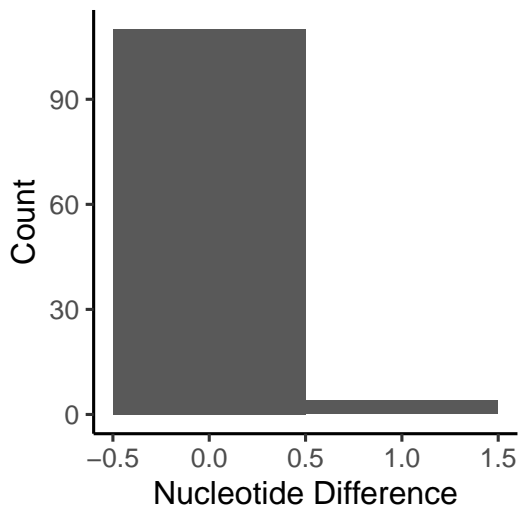
### TRBV6-23\*ap01

10123 sequences assigned  
10010 (98.9%) exact matches, in which:  
9513 unique CDR3  
13 unique J



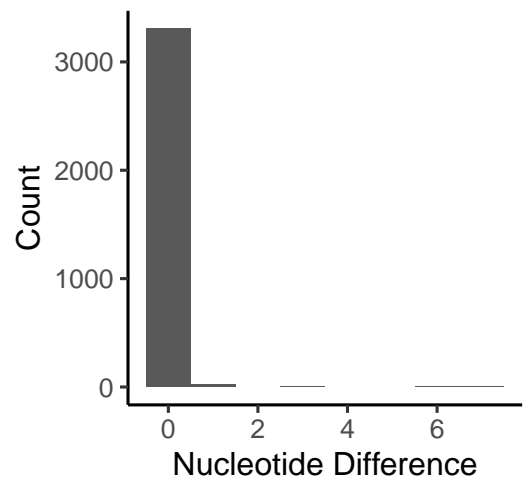
### TRBV7-1\*ap01\_G291C\_T

114 sequences assigned  
110 (96.5%) exact matches, in which:  
108 unique CDR3  
12 unique J



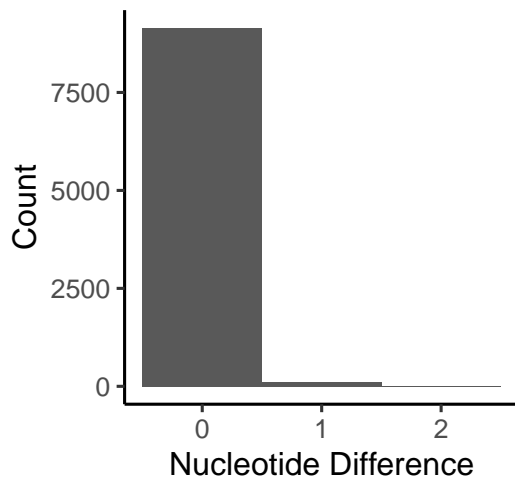
### TRBV7-3\*ap01

3330 sequences assigned  
3306 (99.3%) exact matches, in which:  
3249 unique CDR3  
13 unique J



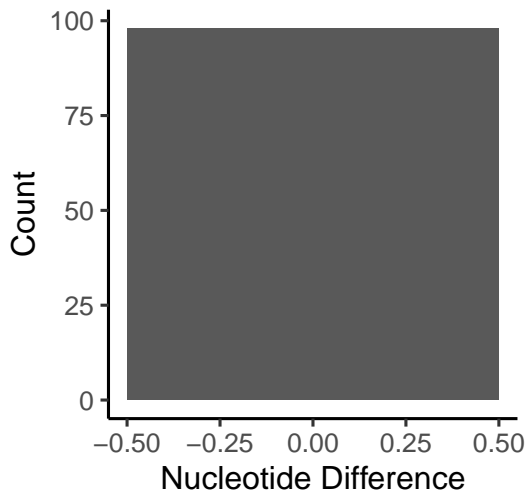
### TRBV6-56\*ap01

9256 sequences assigned  
9144 (98.8%) exact matches, in which:  
8737 unique CDR3  
13 unique J



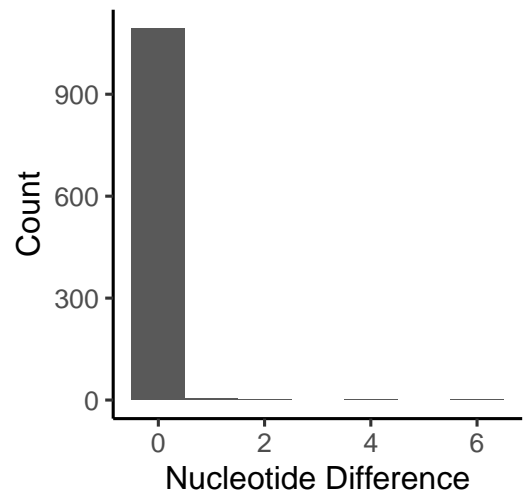
### TRBV7-1\*ap01\_G291C\_

98 sequences assigned  
98 (100%) exact matches, in which:  
97 unique CDR3  
12 unique J



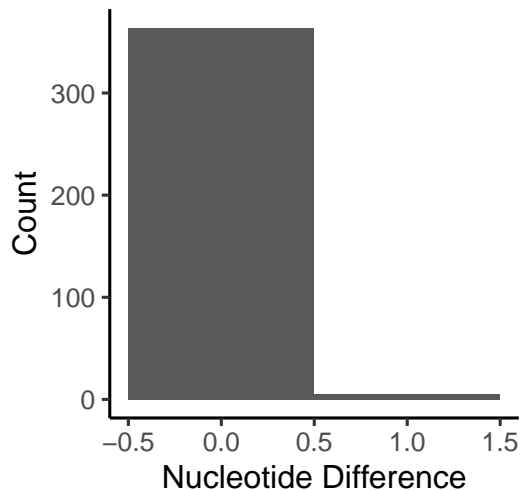
### TRBV7-3\*ap02

1102 sequences assigned  
1094 (99.3%) exact matches, in which:  
1077 unique CDR3  
13 unique J



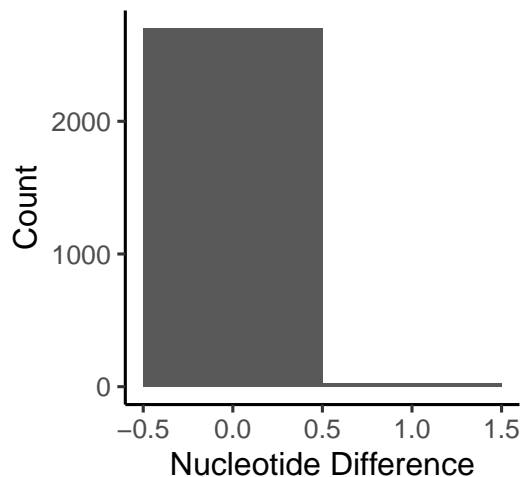
### TRBV7-4\*ap01

369 sequences assigned  
364 (98.6%) exact matches, in which:  
353 unique CDR3  
13 unique J



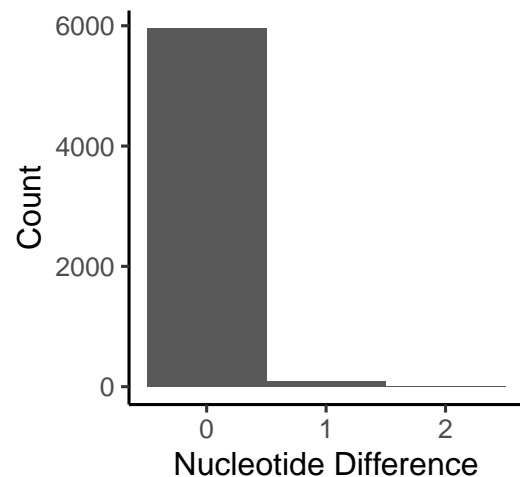
### TRBV7-8\*ap01

2727 sequences assigned  
2700 (99%) exact matches, in which:  
2618 unique CDR3  
13 unique J



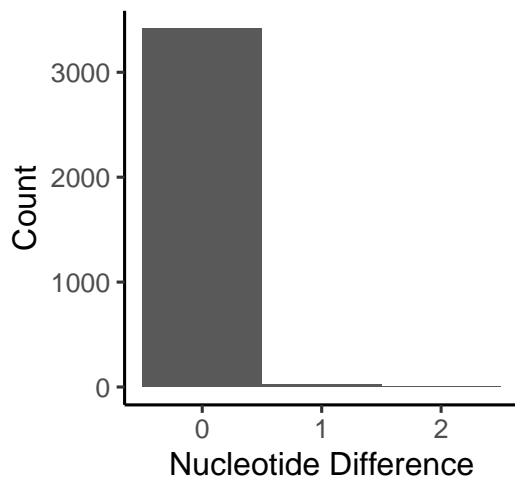
### TRBV29-1\*ap01

6045 sequences assigned  
5956 (98.5%) exact matches, in which:  
5590 unique CDR3  
13 unique J



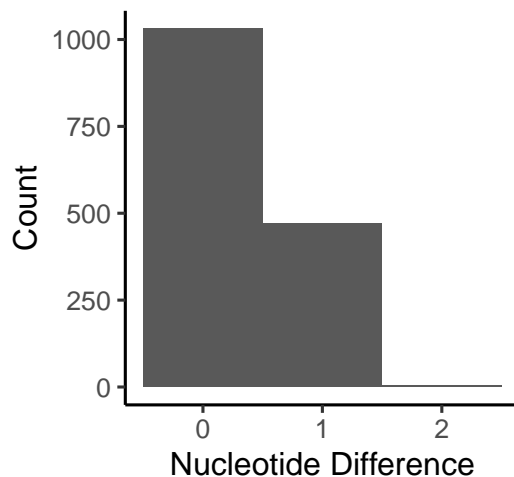
### TRBV7-6\*ap01

3443 sequences assigned  
3415 (99.2%) exact matches, in which:  
3310 unique CDR3  
13 unique J



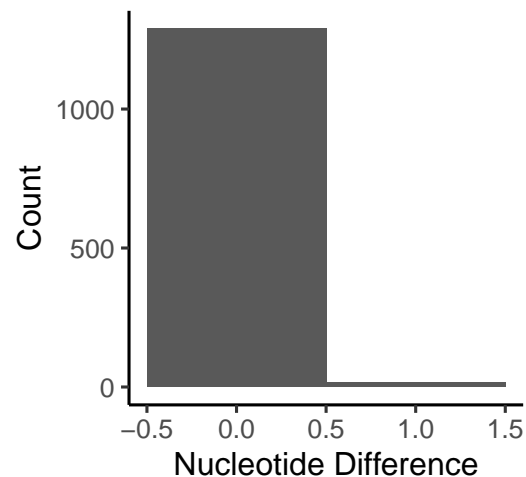
### TRBV7-8\*ap03

1507 sequences assigned  
1031 (68.4%) exact matches, in which:  
1006 unique CDR3  
13 unique J



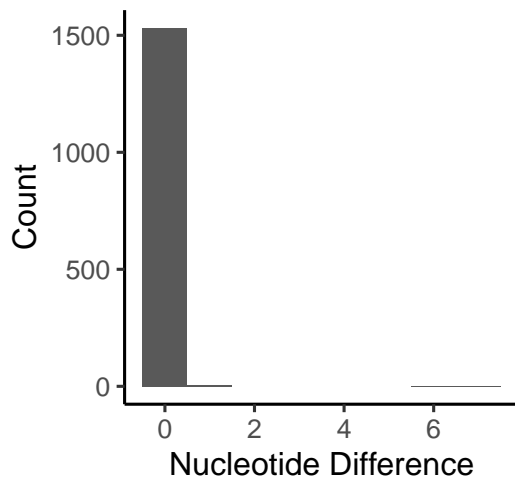
### TRBV29-1\*ap02

1306 sequences assigned  
1289 (98.7%) exact matches, in which:  
1214 unique CDR3  
13 unique J



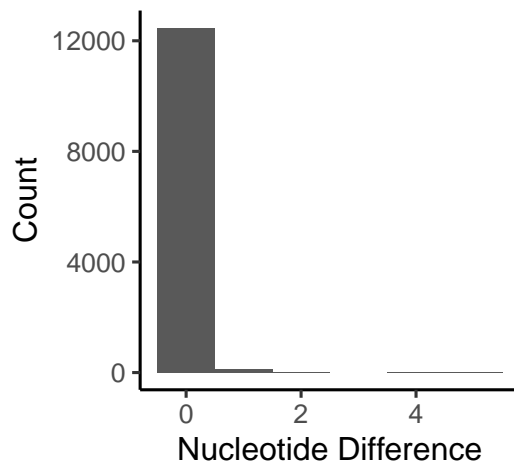
### TRBV7-7\*ap01

1539 sequences assigned  
1531 (99.5%) exact matches, in which:  
1484 unique CDR3  
13 unique J

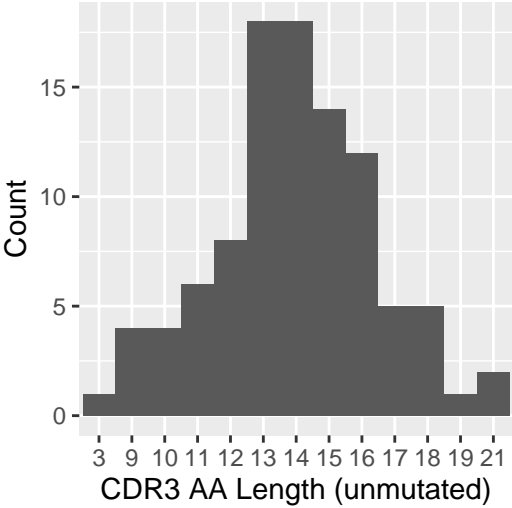


### TRBV7-9\*ap01

12590 sequences assigned  
12470 (99%) exact matches, in which:  
12154 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C

