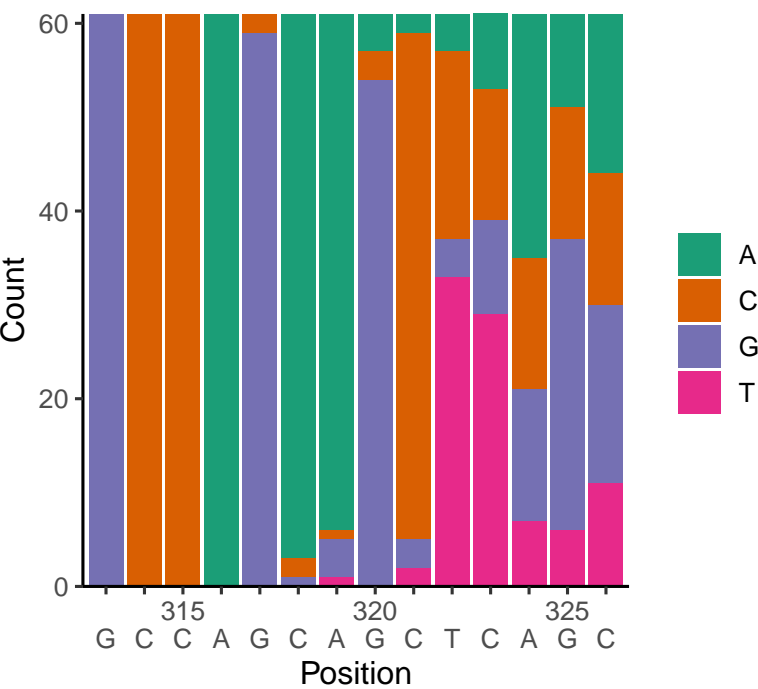
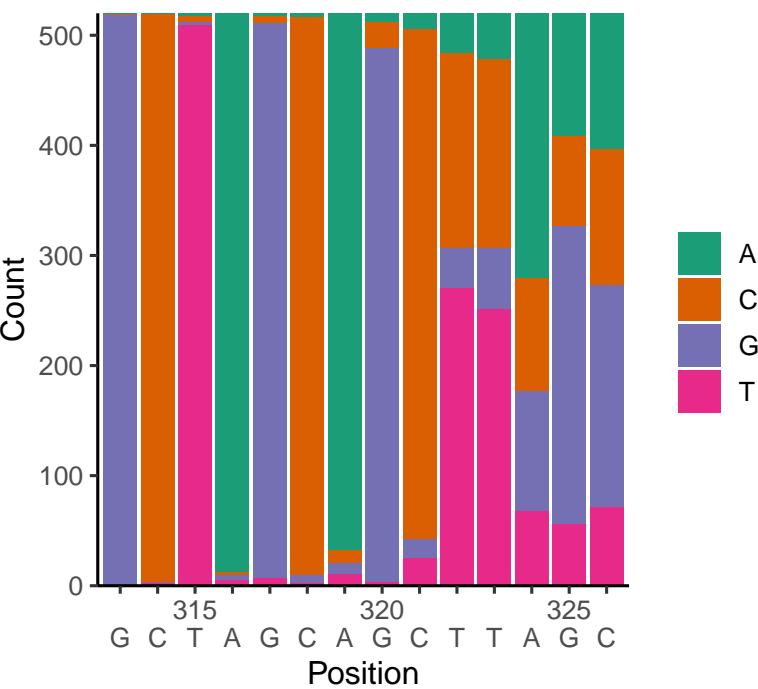


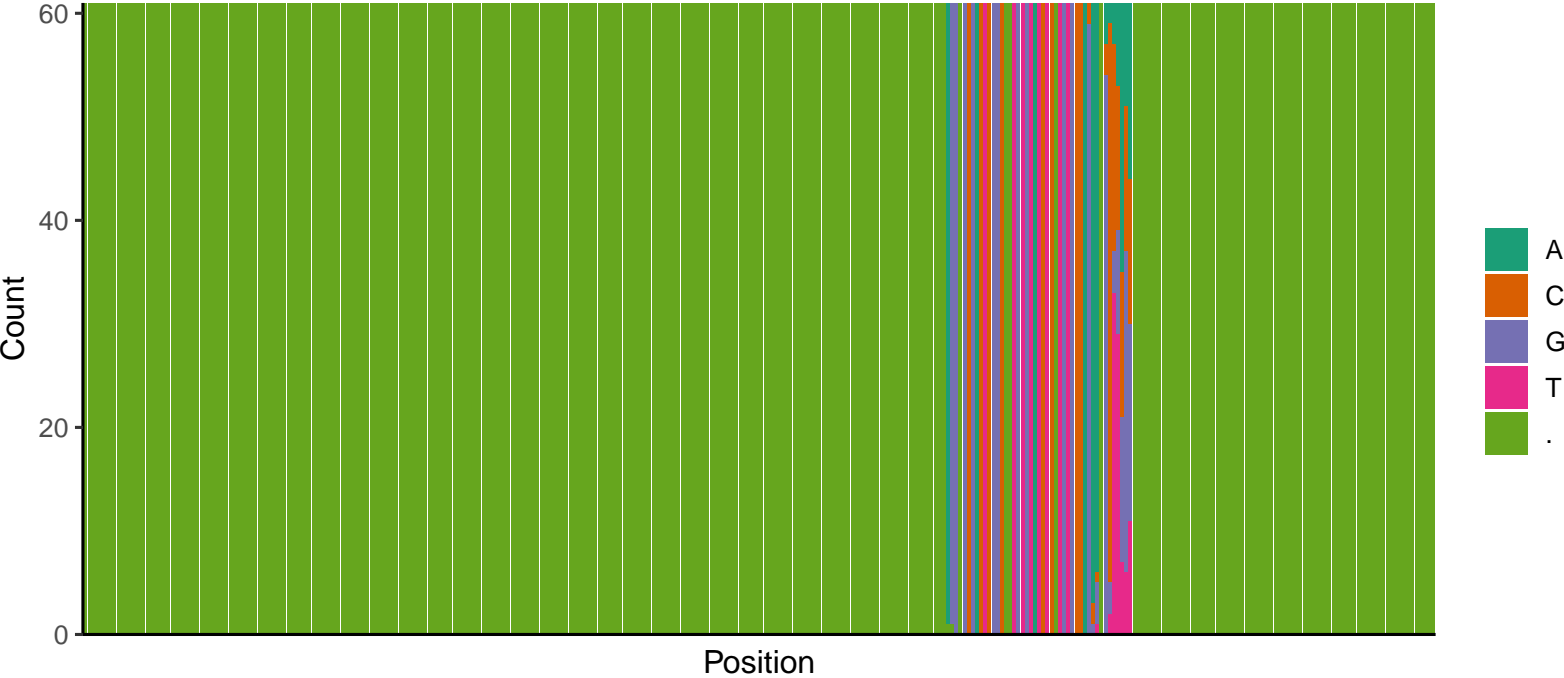
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



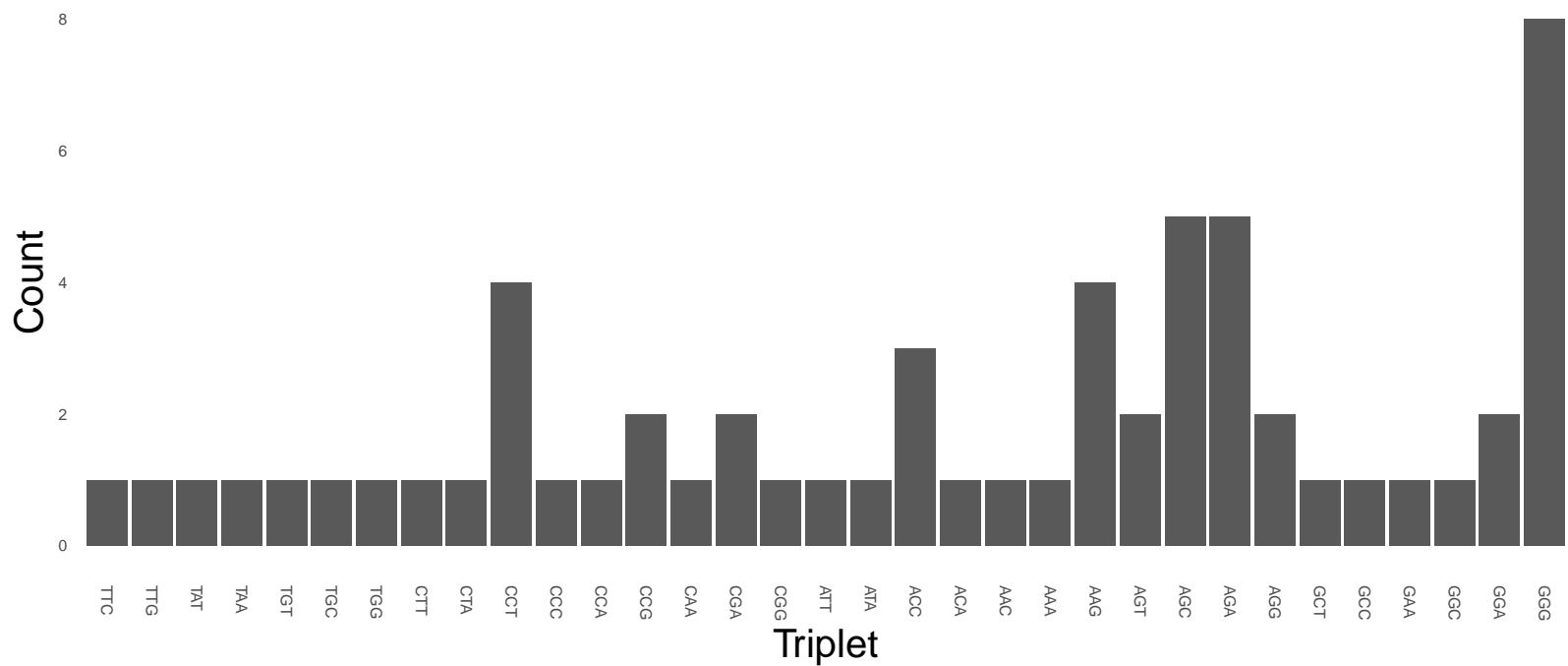
Gene TRBV7-1\*ap01\_G291C\_T296C



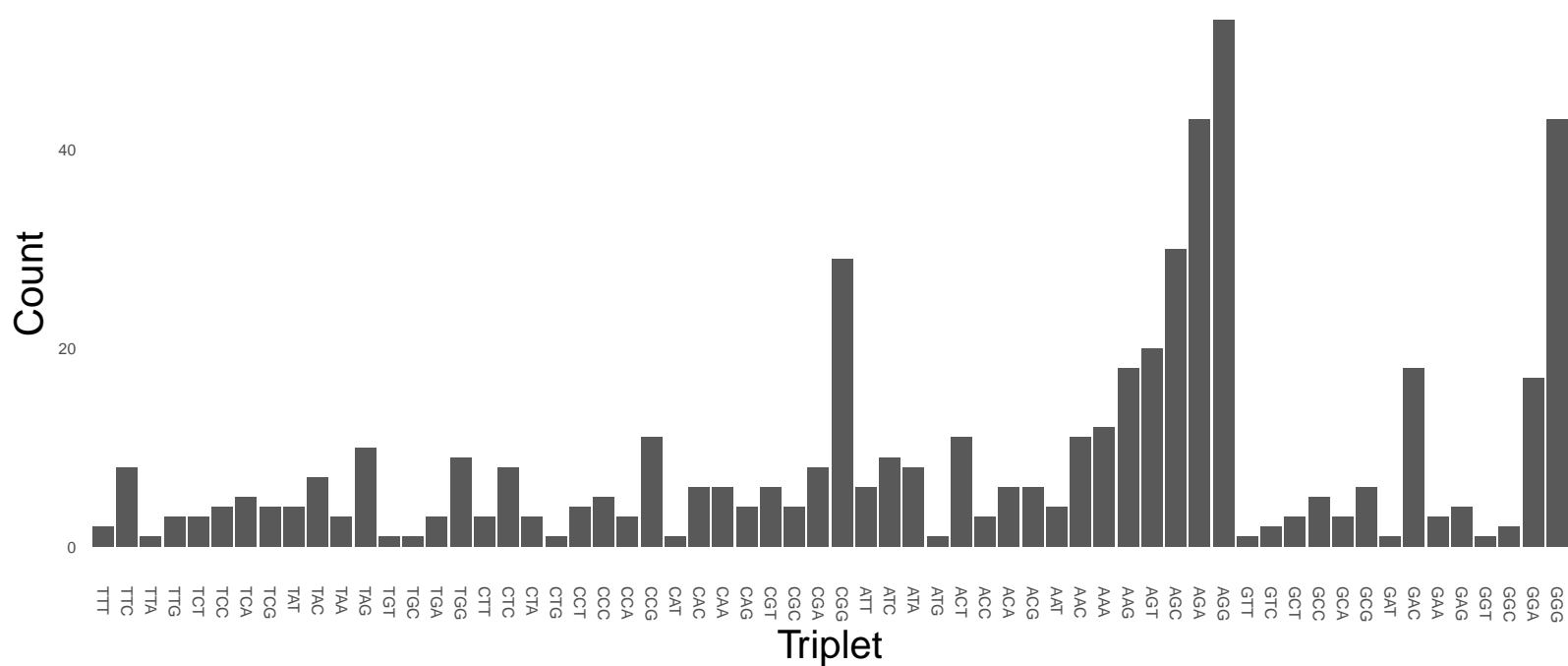
Gene TRBV7-7\*ap01\_C315T



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

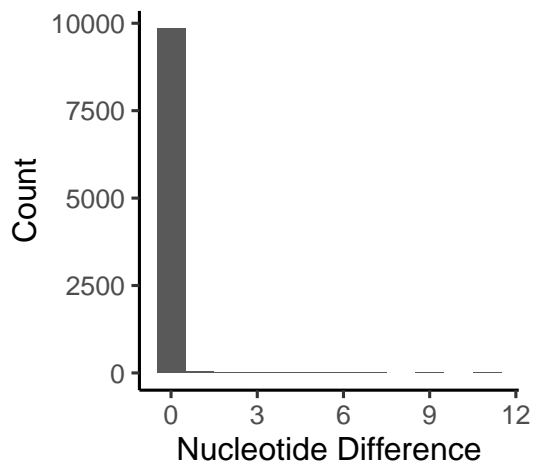


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



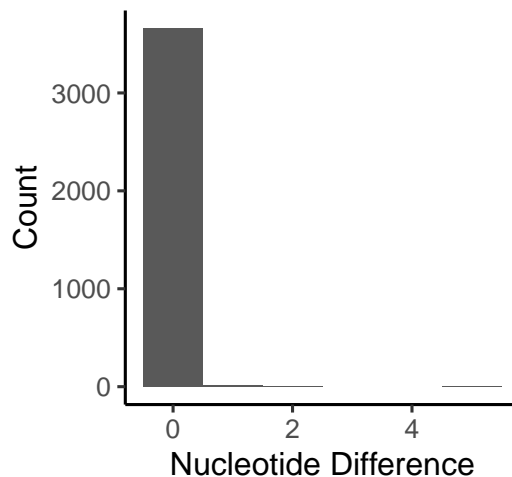
### TRBV20-1\*ap01

9934 sequences assigned  
9860 (99.3%) exact matches, in which:  
9835 unique CDR3  
13 unique J



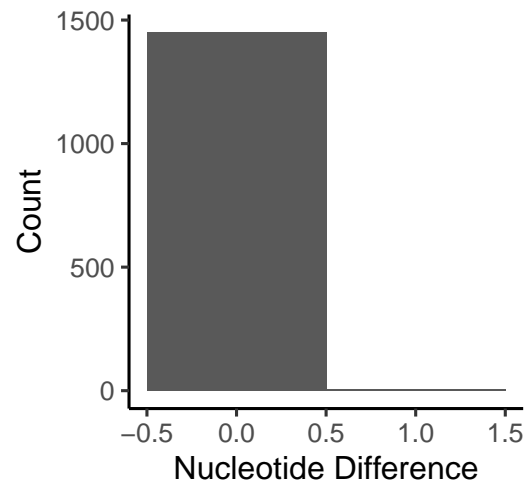
### TRBV10-3\*ap01

3674 sequences assigned  
3659 (99.6%) exact matches, in which:  
3649 unique CDR3  
13 unique J



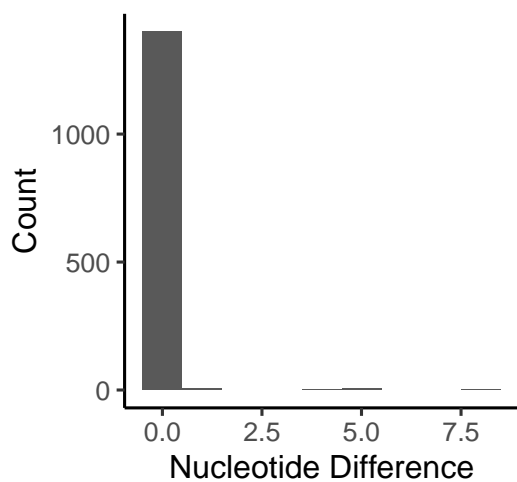
### TRBV14\*ap01

1455 sequences assigned  
1450 (99.7%) exact matches, in which:  
1446 unique CDR3  
13 unique J



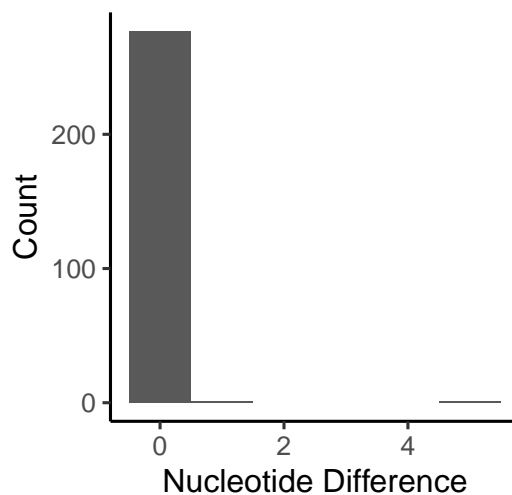
### TRBV10-1\*ap01

1410 sequences assigned  
1400 (99.3%) exact matches, in which:  
1393 unique CDR3  
13 unique J



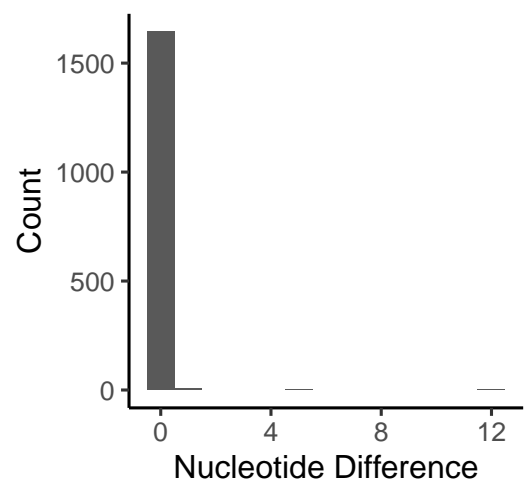
### TRBV1\*ap01

279 sequences assigned  
277 (99.3%) exact matches, in which:  
276 unique CDR3  
12 unique J



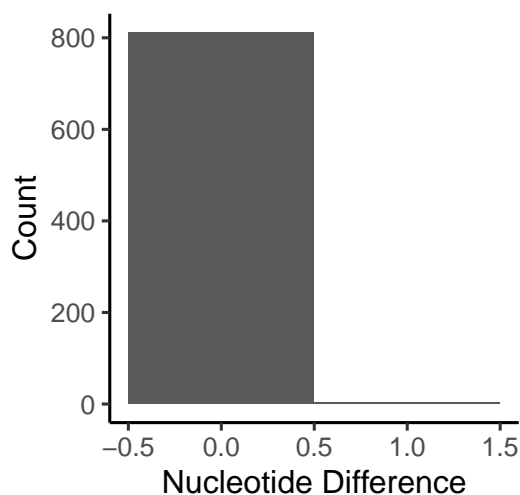
### TRBV15\*ap02

1653 sequences assigned  
1644 (99.5%) exact matches, in which:  
1631 unique CDR3  
13 unique J



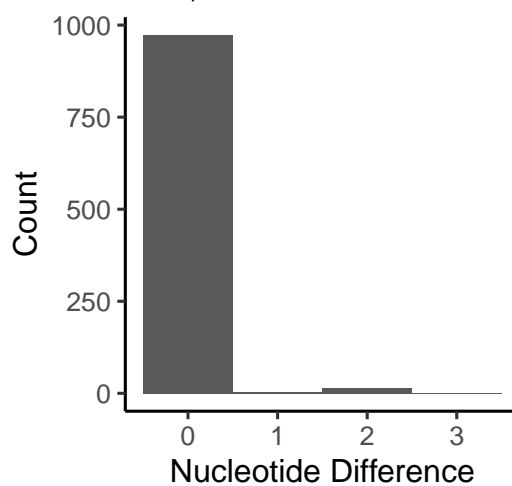
### TRBV10-2\*ap01

815 sequences assigned  
812 (99.6%) exact matches, in which:  
809 unique CDR3  
12 unique J



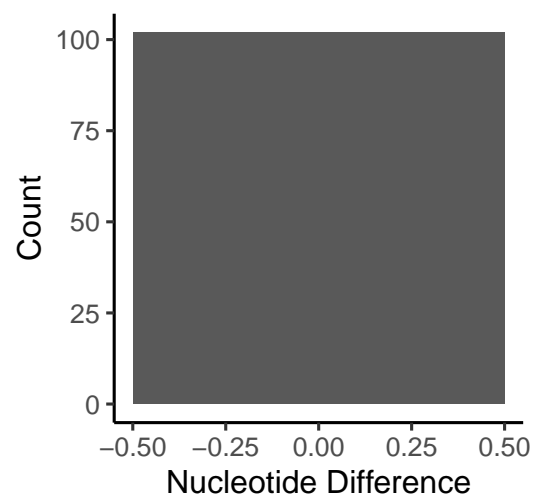
### TRBV13\*ap01

992 sequences assigned  
973 (98.1%) exact matches, in which:  
963 unique CDR3  
12 unique J



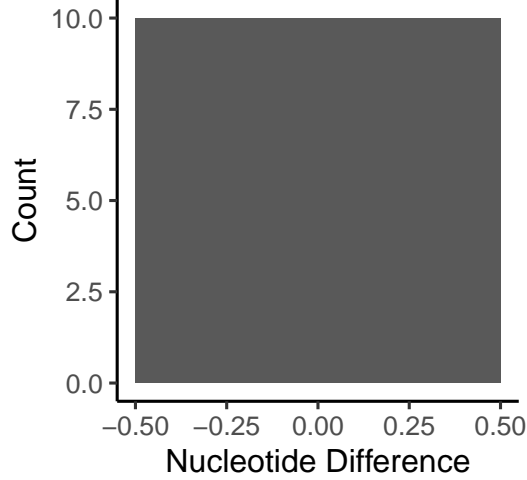
### TRBV16\*ap01

102 sequences assigned  
102 (100%) exact matches, in which:  
101 unique CDR3  
11 unique J



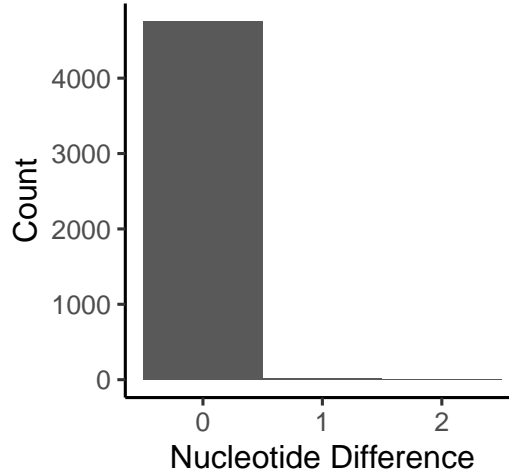
### TRBV17\*ap01

10 sequences assigned  
10 (100%) exact matches, in which:  
10 unique CDR3  
6 unique J



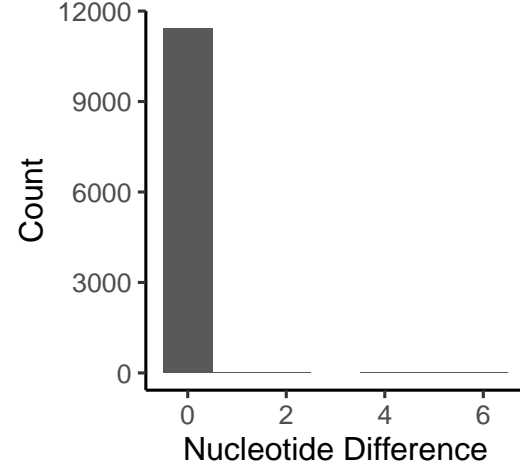
### TRBV2\*ap01

4771 sequences assigned  
4753 (99.6%) exact matches, in which:  
4746 unique CDR3  
13 unique J



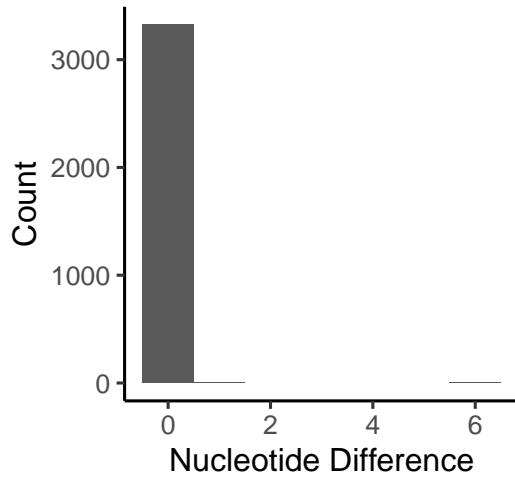
### TRBV28\*ap01

11473 sequences assigned  
11433 (99.7%) exact matches, in which:  
11404 unique CDR3  
13 unique J



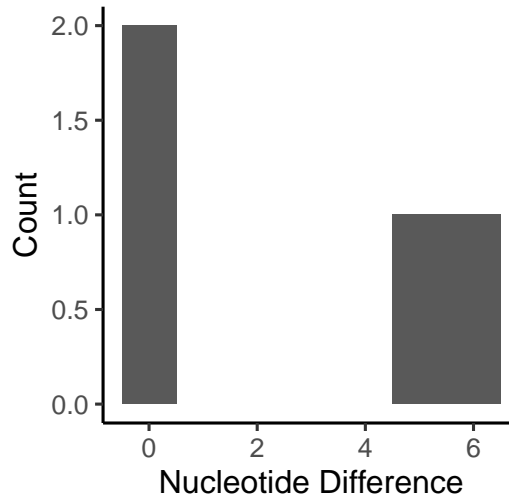
### TRBV18\*ap01

3329 sequences assigned  
3324 (99.8%) exact matches, in which:  
3317 unique CDR3  
13 unique J



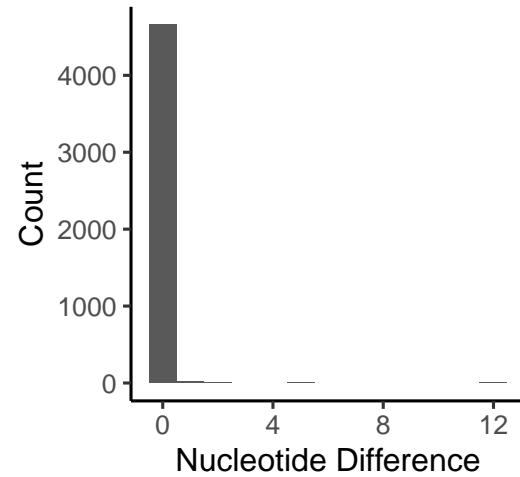
### TRBV26\*ap01

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



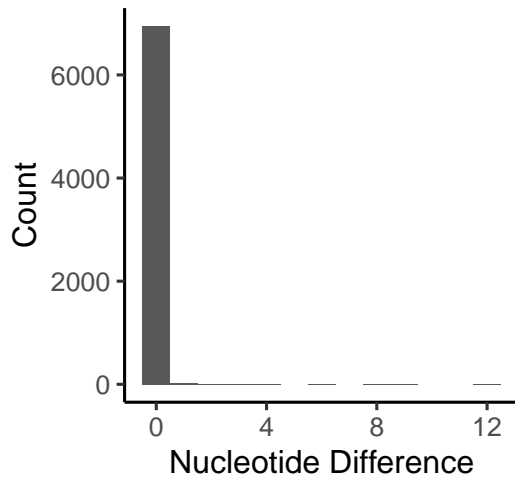
### TRBV30\*ap01

4687 sequences assigned  
4658 (99.4%) exact matches, in which:  
4648 unique CDR3  
12 unique J



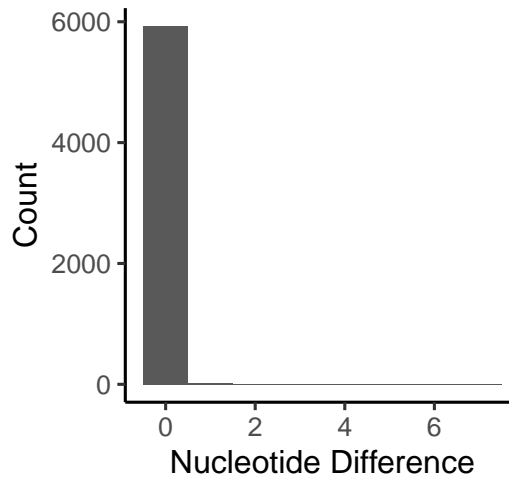
### TRBV19\*ap01

6993 sequences assigned  
6948 (99.4%) exact matches, in which:  
6938 unique CDR3  
13 unique J



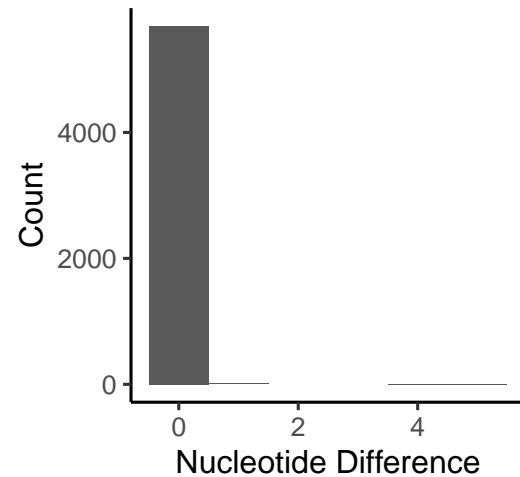
### TRBV27\*ap01

5962 sequences assigned  
5929 (99.4%) exact matches, in which:  
5905 unique CDR3  
13 unique J



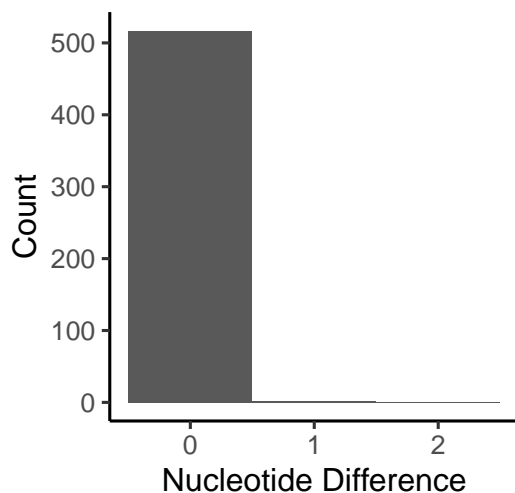
### TRBV9\*ap01

5705 sequences assigned  
5690 (99.7%) exact matches, in which:  
5640 unique CDR3  
13 unique J



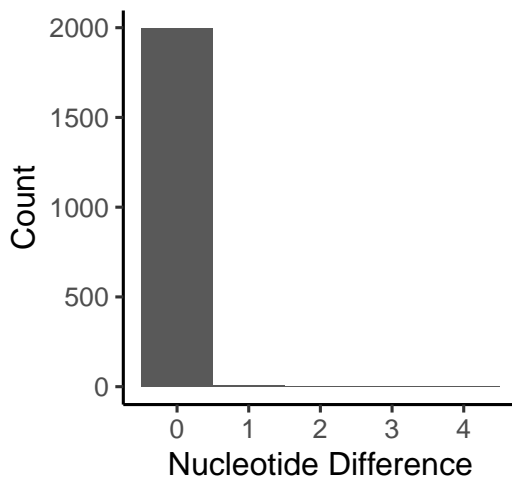
### TRBV11-1\*ap01

520 sequences assigned  
517 (99.4%) exact matches, in which:  
514 unique CDR3  
12 unique J



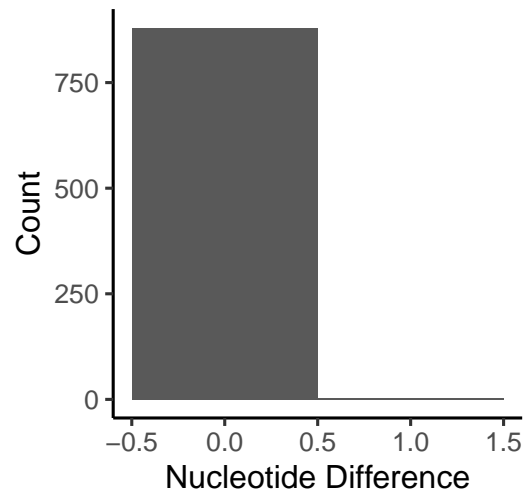
### TRBV11-3\*ap01

2008 sequences assigned  
1996 (99.4%) exact matches, in which:  
1992 unique CDR3  
13 unique J



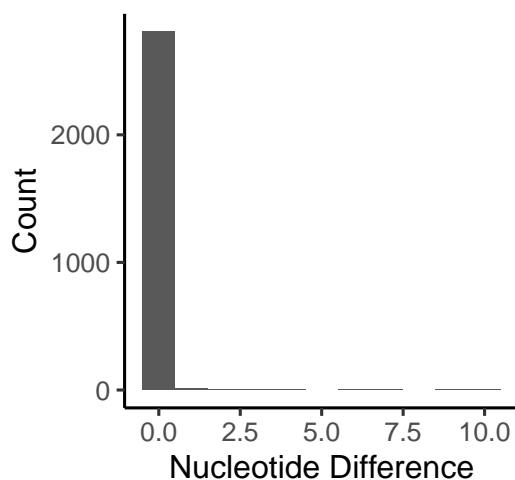
### TRBV12-5\*ap01

883 sequences assigned  
880 (99.7%) exact matches, in which:  
880 unique CDR3  
12 unique J



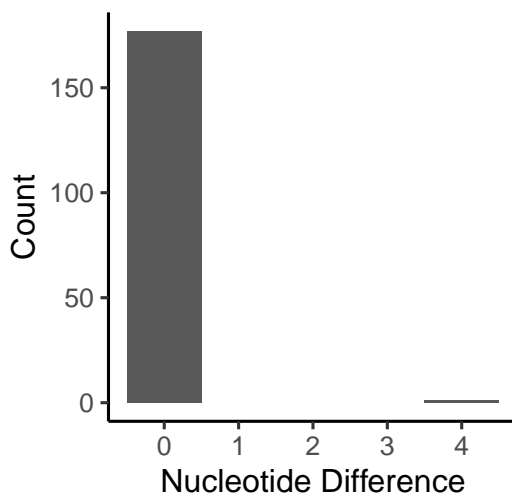
### TRBV21-1\*ap01

2834 sequences assigned  
2808 (99.1%) exact matches, in which:  
2803 unique CDR3  
13 unique J



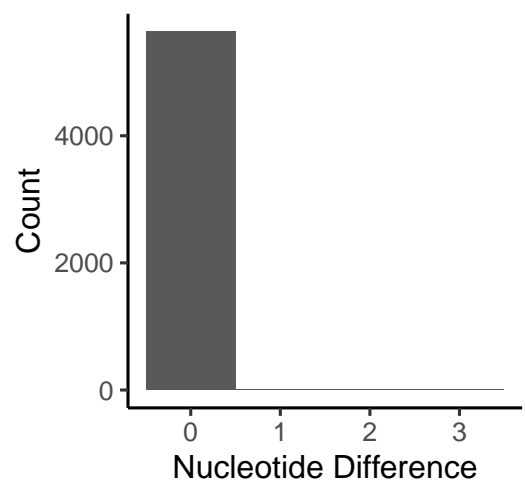
### TRBV12-1\*ap01

178 sequences assigned  
177 (99.4%) exact matches, in which:  
176 unique CDR3  
12 unique J



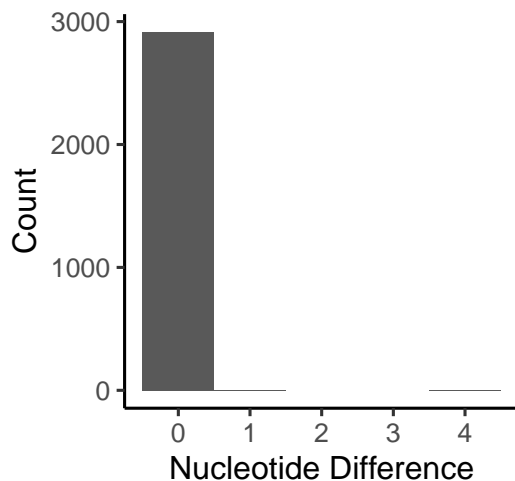
### TRBV12-34\*ap01

5657 sequences assigned  
5637 (99.6%) exact matches, in which:  
5622 unique CDR3  
13 unique J



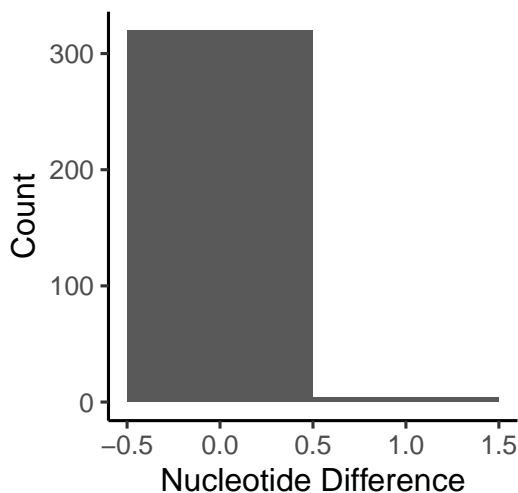
### TRBV11-2\*ap01

2921 sequences assigned  
2915 (99.8%) exact matches, in which:  
2908 unique CDR3  
13 unique J



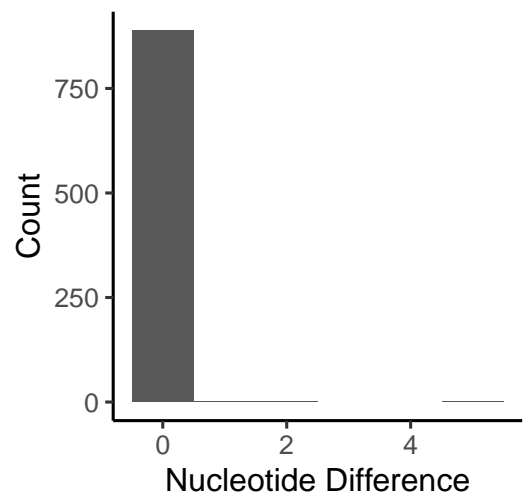
### TRBV12-2\*ap01

324 sequences assigned  
320 (98.8%) exact matches, in which:  
318 unique CDR3  
13 unique J



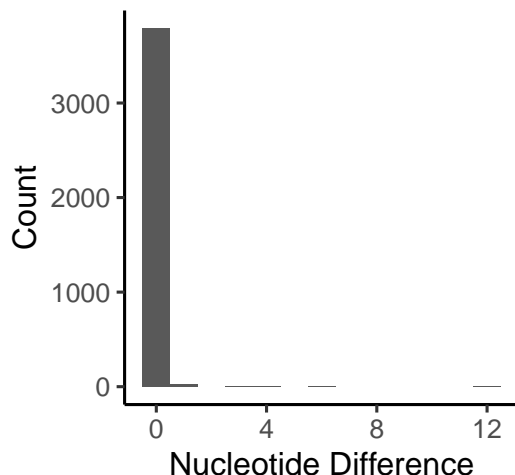
### TRBV23-1\*ap01

893 sequences assigned  
889 (99.6%) exact matches, in which:  
889 unique CDR3  
13 unique J



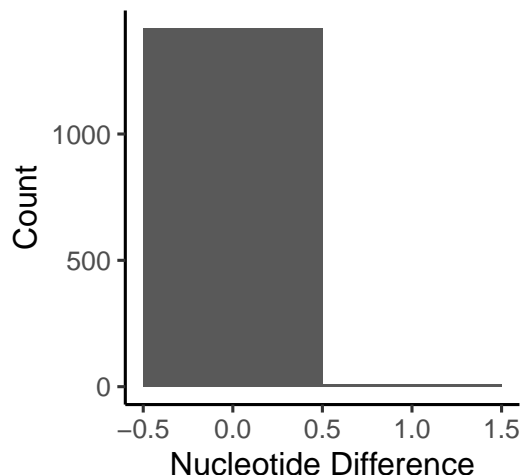
### TRBV3–12\*ap01

3820 sequences assigned  
3789 (99.2%) exact matches, in which:  
3780 unique CDR3  
13 unique J



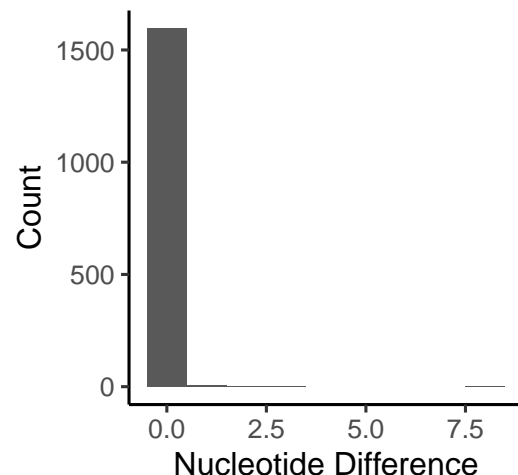
### TRBV4–2\*ap01

1429 sequences assigned  
1418 (99.2%) exact matches, in which:  
1416 unique CDR3  
13 unique J



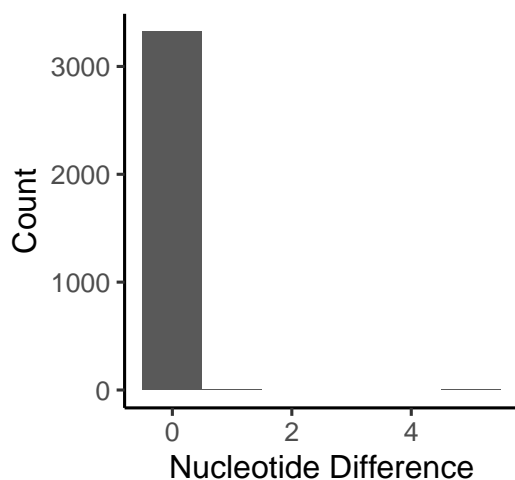
### TRBV25–1\*ap01

1607 sequences assigned  
1596 (99.3%) exact matches, in which:  
1581 unique CDR3  
12 unique J



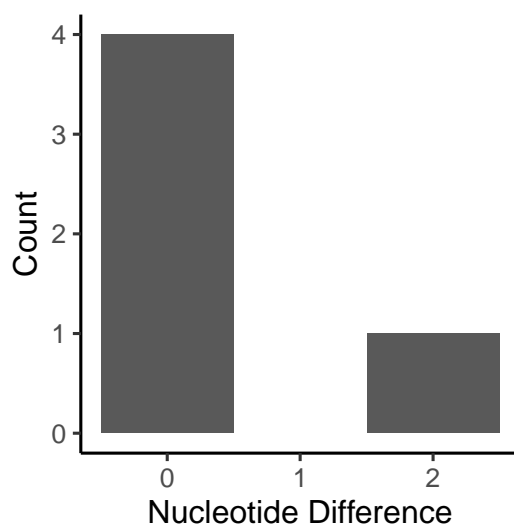
### TRBV4–1\*ap01

3330 sequences assigned  
3322 (99.8%) exact matches, in which:  
3317 unique CDR3  
13 unique J



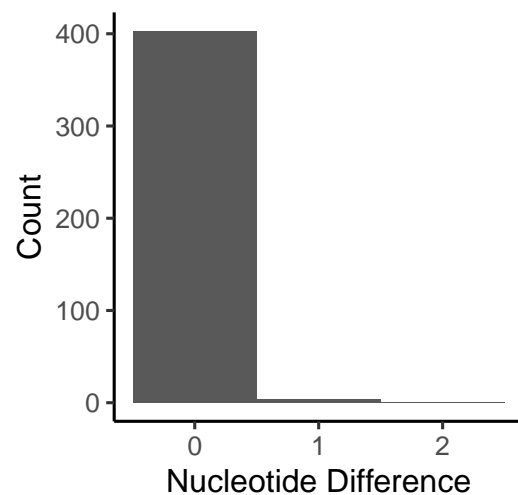
### TRBV4–3\*ap01

5 sequences assigned  
4 (80%) exact matches, in which:  
4 unique CDR3  
3 unique J



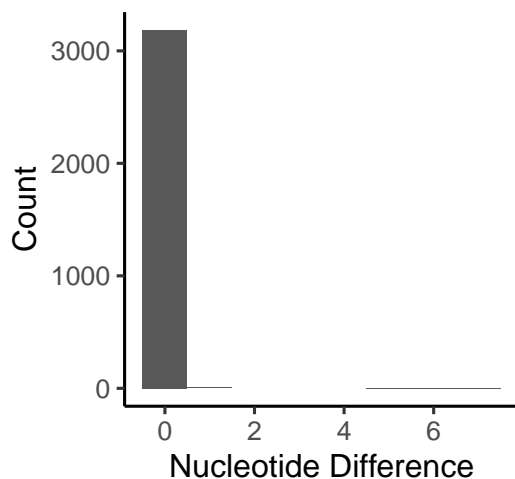
### TRBV5–3\*ap01

408 sequences assigned  
403 (98.8%) exact matches, in which:  
402 unique CDR3  
13 unique J



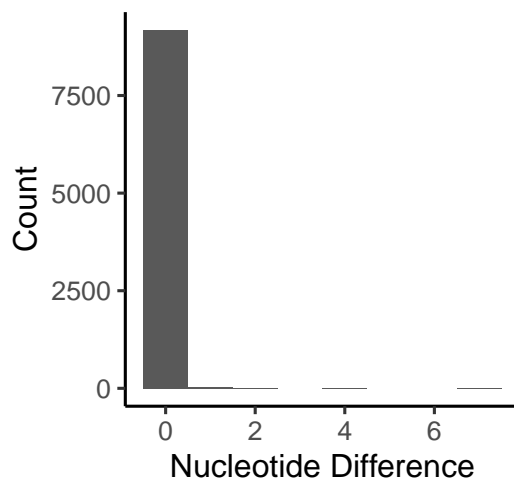
### TRBV24–1\*ap01

3195 sequences assigned  
3185 (99.7%) exact matches, in which:  
3175 unique CDR3  
12 unique J



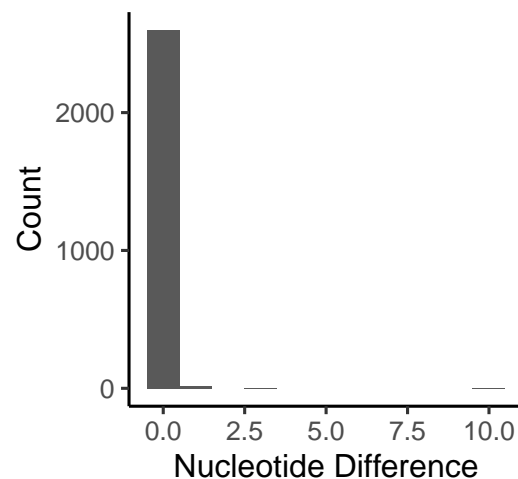
### TRBV5–1\*ap01

9218 sequences assigned  
9177 (99.6%) exact matches, in which:  
9056 unique CDR3  
13 unique J



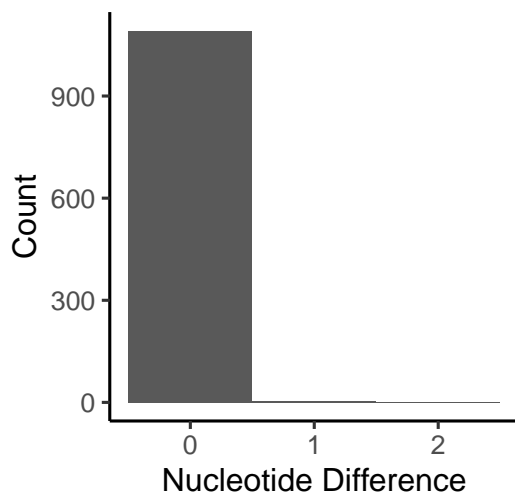
### TRBV5–4\*ap01

2618 sequences assigned  
2599 (99.3%) exact matches, in which:  
2592 unique CDR3  
13 unique J



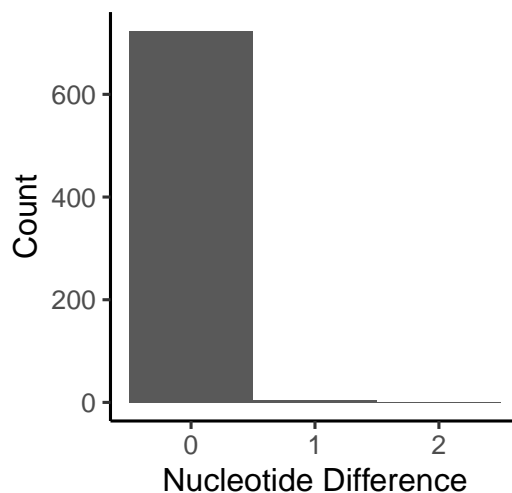
### TRBV5-5\*ap01

1097 sequences assigned  
1092 (99.5%) exact matches, in which:  
1089 unique CDR3  
12 unique J



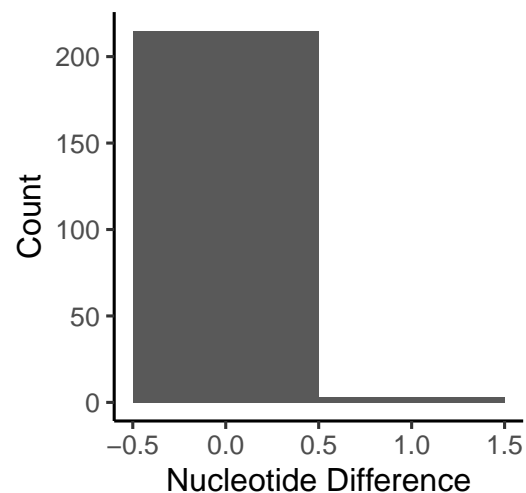
### TRBV5-8\*ap01

729 sequences assigned  
724 (99.3%) exact matches, in which:  
724 unique CDR3  
13 unique J



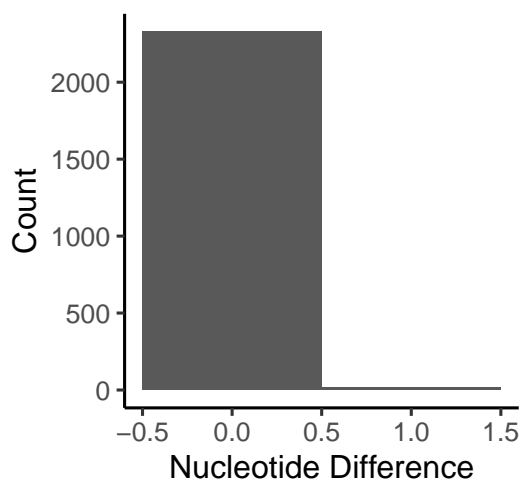
### TRBV6-7\*ap01

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



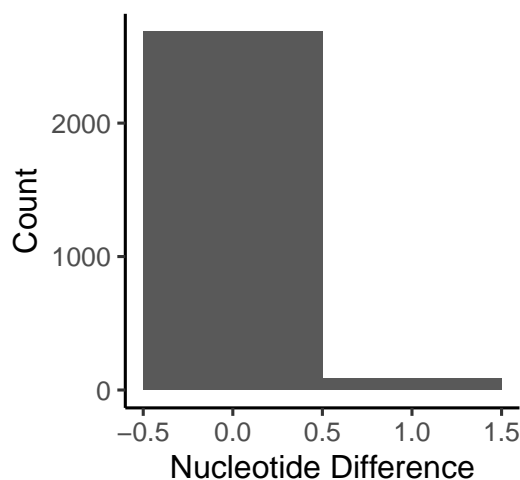
### TRBV5-6\*ap01

2343 sequences assigned  
2328 (99.4%) exact matches, in which:  
2309 unique CDR3  
13 unique J



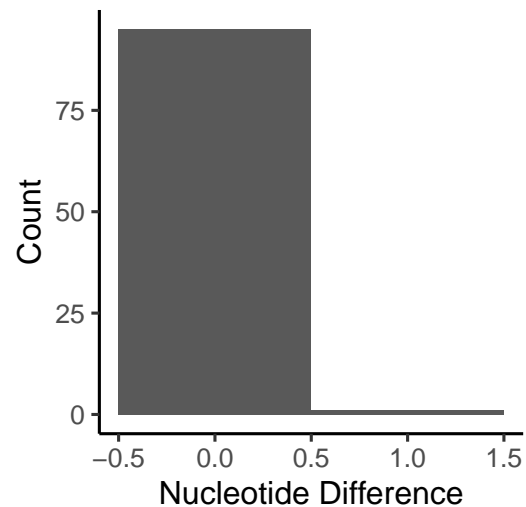
### TRBV6-1\*ap01

2771 sequences assigned  
2685 (96.9%) exact matches, in which:  
2674 unique CDR3  
13 unique J



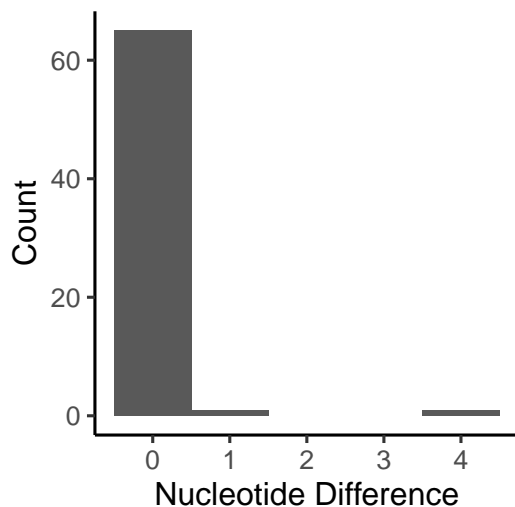
### TRBV6-8\*ap01

96 sequences assigned  
95 (99%) exact matches, in which:  
95 unique CDR3  
12 unique J



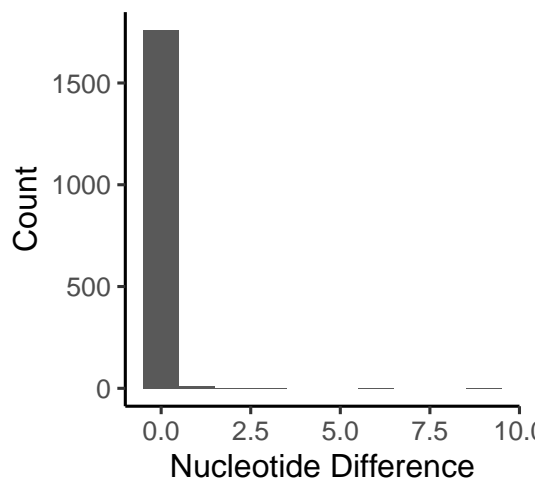
### TRBV5-7\*ap01

67 sequences assigned  
65 (97%) exact matches, in which:  
65 unique CDR3  
11 unique J



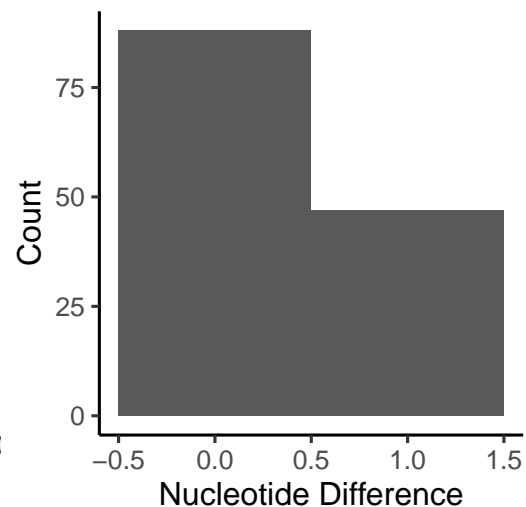
### TRBV6-4\*ap01

1775 sequences assigned  
1760 (99.2%) exact matches, in which:  
1749 unique CDR3  
13 unique J



### TRBV6-9\*ap01

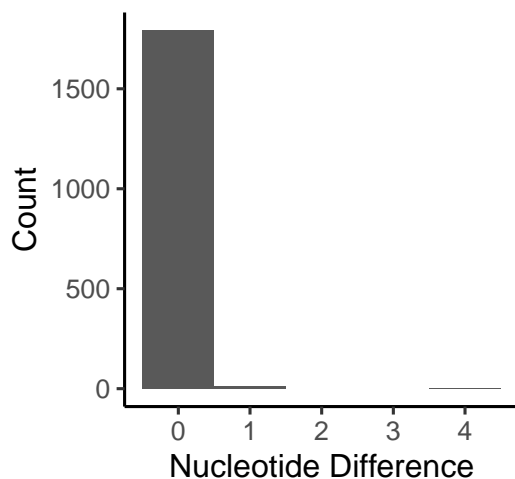
135 sequences assigned  
88 (65.2%) exact matches, in which:  
88 unique CDR3  
12 unique J





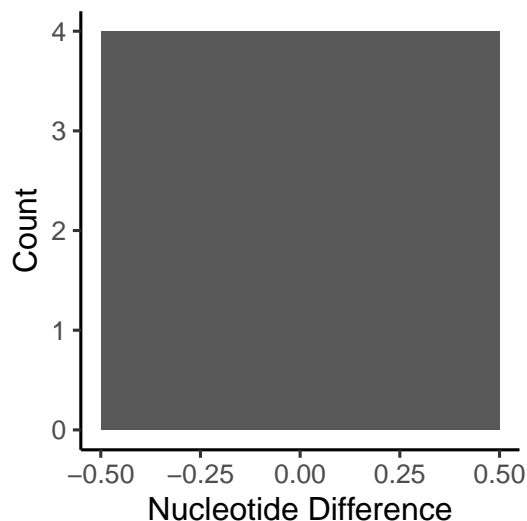
### TRBV6-23\*ap01

1807 sequences assigned  
1792 (99.2%) exact matches, in which:  
1784 unique CDR3  
12 unique J



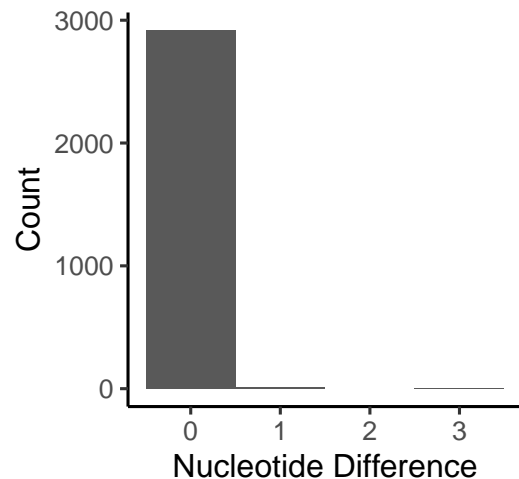
### TRBV7-1\*ap01

4 sequences assigned  
4 (100%) exact matches, in which:  
4 unique CDR3  
3 unique J



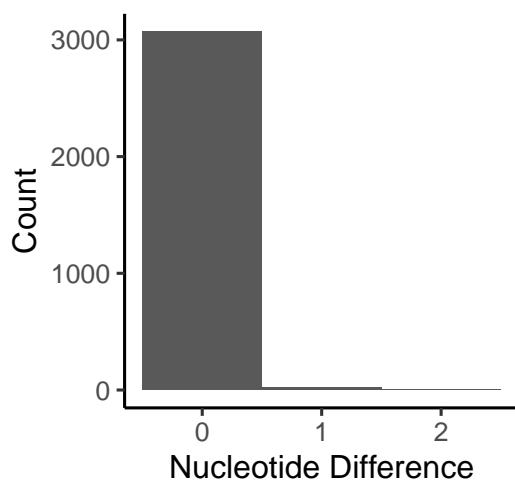
### TRBV7-3\*ap01

2929 sequences assigned  
2917 (99.6%) exact matches, in which:  
2891 unique CDR3  
13 unique J



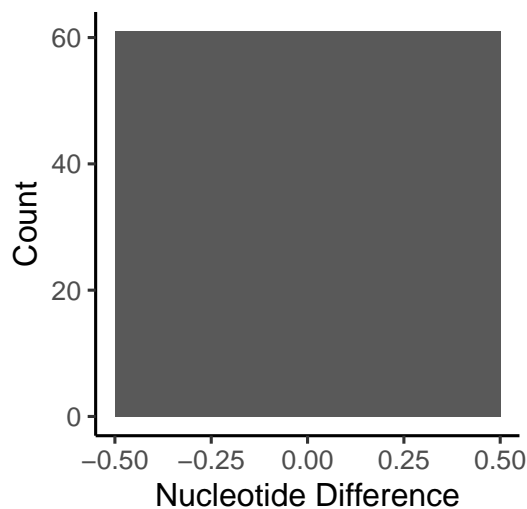
### TRBV6-56\*ap01

3096 sequences assigned  
3070 (99.2%) exact matches, in which:  
3059 unique CDR3  
13 unique J



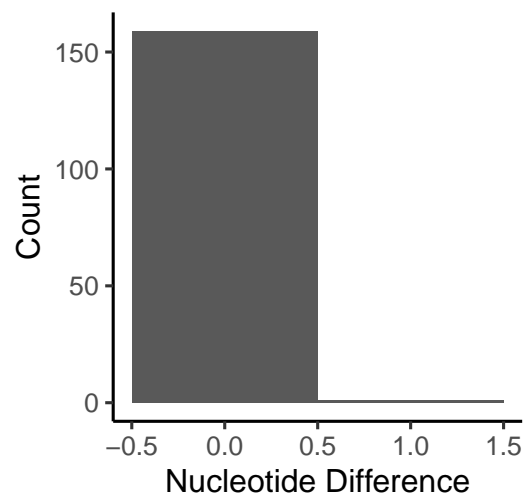
### TRBV7-1\*ap01\_G291C\_T

61 sequences assigned  
61 (100%) exact matches, in which:  
61 unique CDR3  
11 unique J



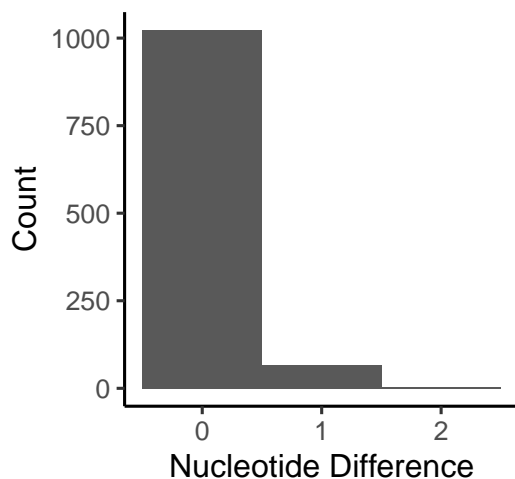
### TRBV7-4\*ap01

160 sequences assigned  
159 (99.4%) exact matches, in which:  
159 unique CDR3  
13 unique J



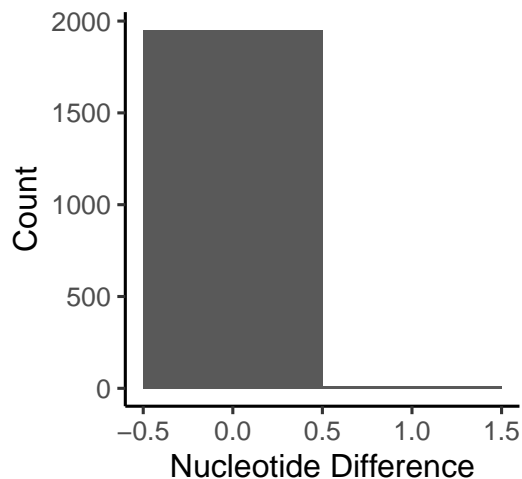
### TRBV6-56\*ap02

1093 sequences assigned  
1023 (93.6%) exact matches, in which:  
1020 unique CDR3  
13 unique J



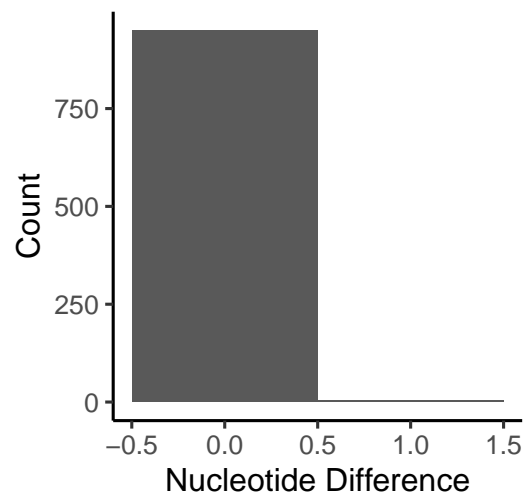
### TRBV7-2\*ap01

1964 sequences assigned  
1951 (99.3%) exact matches, in which:  
1947 unique CDR3  
13 unique J



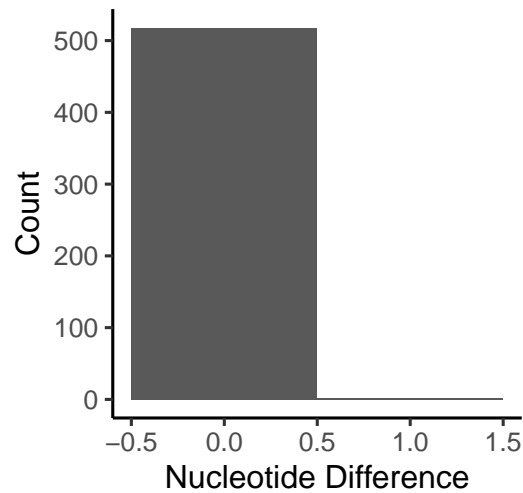
### TRBV7-6\*ap01

954 sequences assigned  
950 (99.6%) exact matches, in which:  
948 unique CDR3  
13 unique J



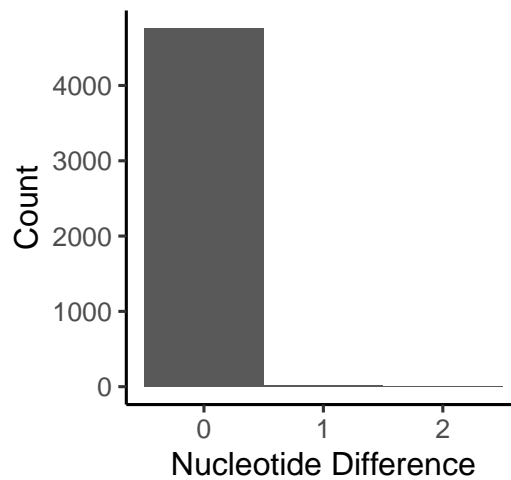
### TRBV7-7\*ap01\_C315T

520 sequences assigned  
518 (99.6%) exact matches, in which:  
516 unique CDR3  
13 unique J



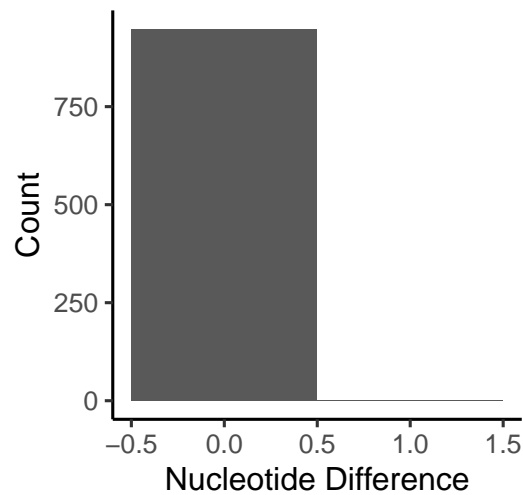
### TRBV7-9\*ap01

4775 sequences assigned  
4758 (99.6%) exact matches, in which:  
4747 unique CDR3  
13 unique J



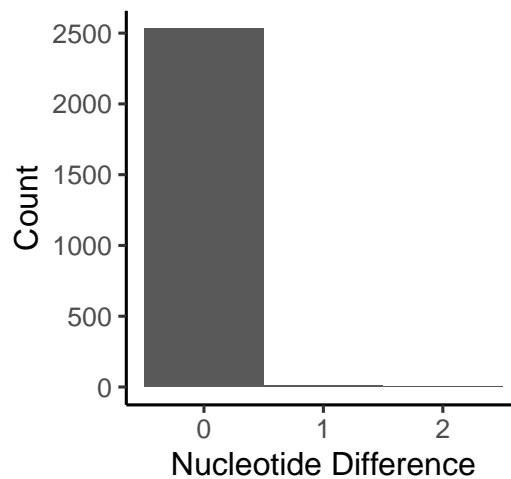
### TRBV7-8\*ap01

950 sequences assigned  
948 (99.8%) exact matches, in which:  
947 unique CDR3  
13 unique J



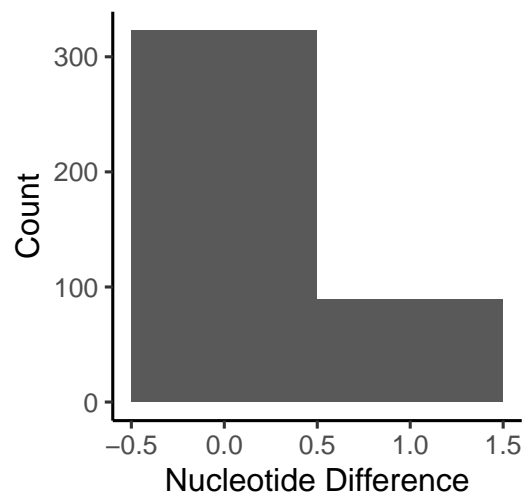
### TRBV29-1\*ap01

2545 sequences assigned  
2531 (99.4%) exact matches, in which:  
2523 unique CDR3  
12 unique J



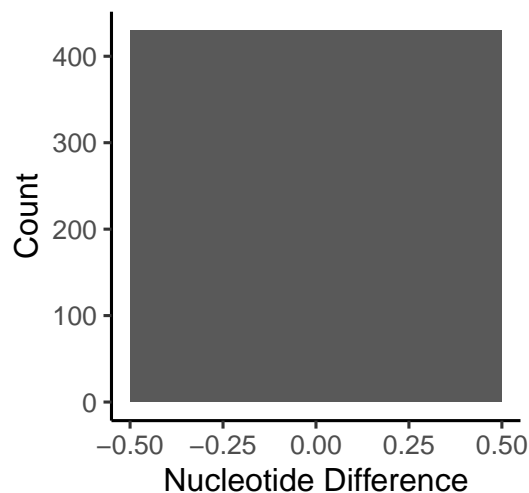
### TRBV7-8\*ap03

412 sequences assigned  
323 (78.4%) exact matches, in which:  
323 unique CDR3  
13 unique J

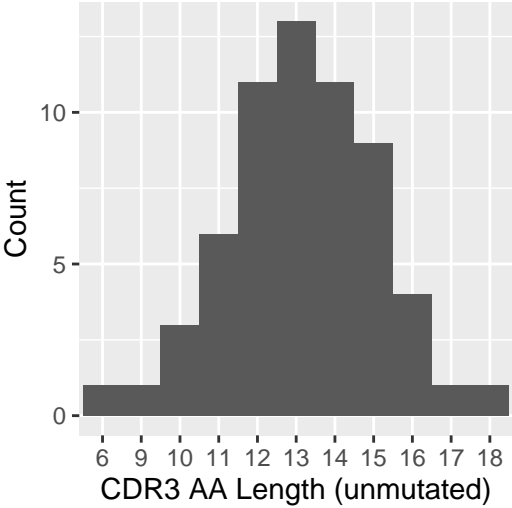


### TRBV29-1\*ap02

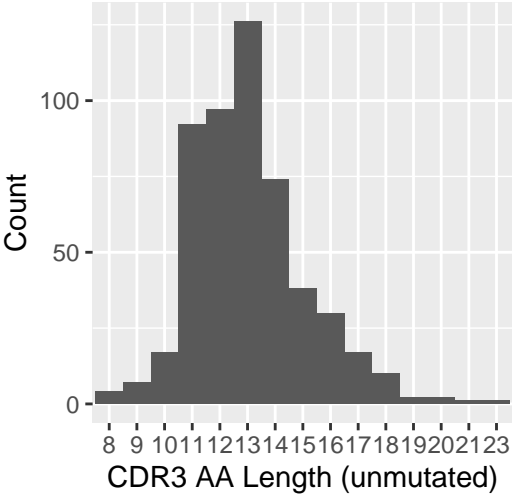
430 sequences assigned  
430 (100%) exact matches, in which:  
429 unique CDR3  
12 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.