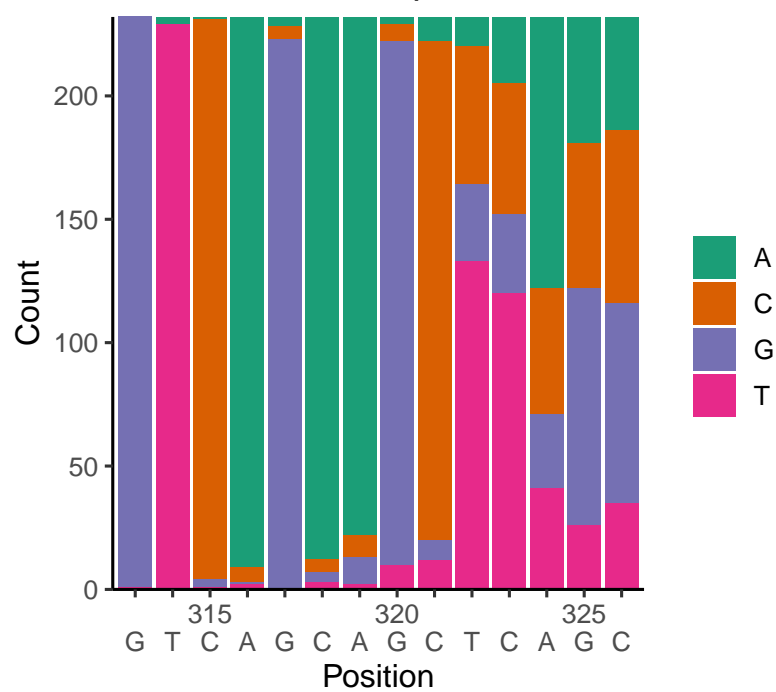
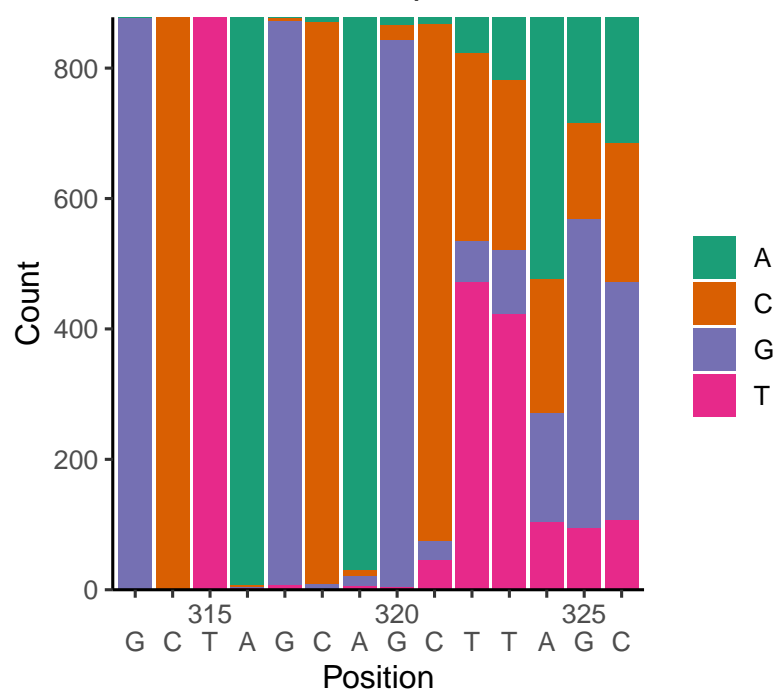


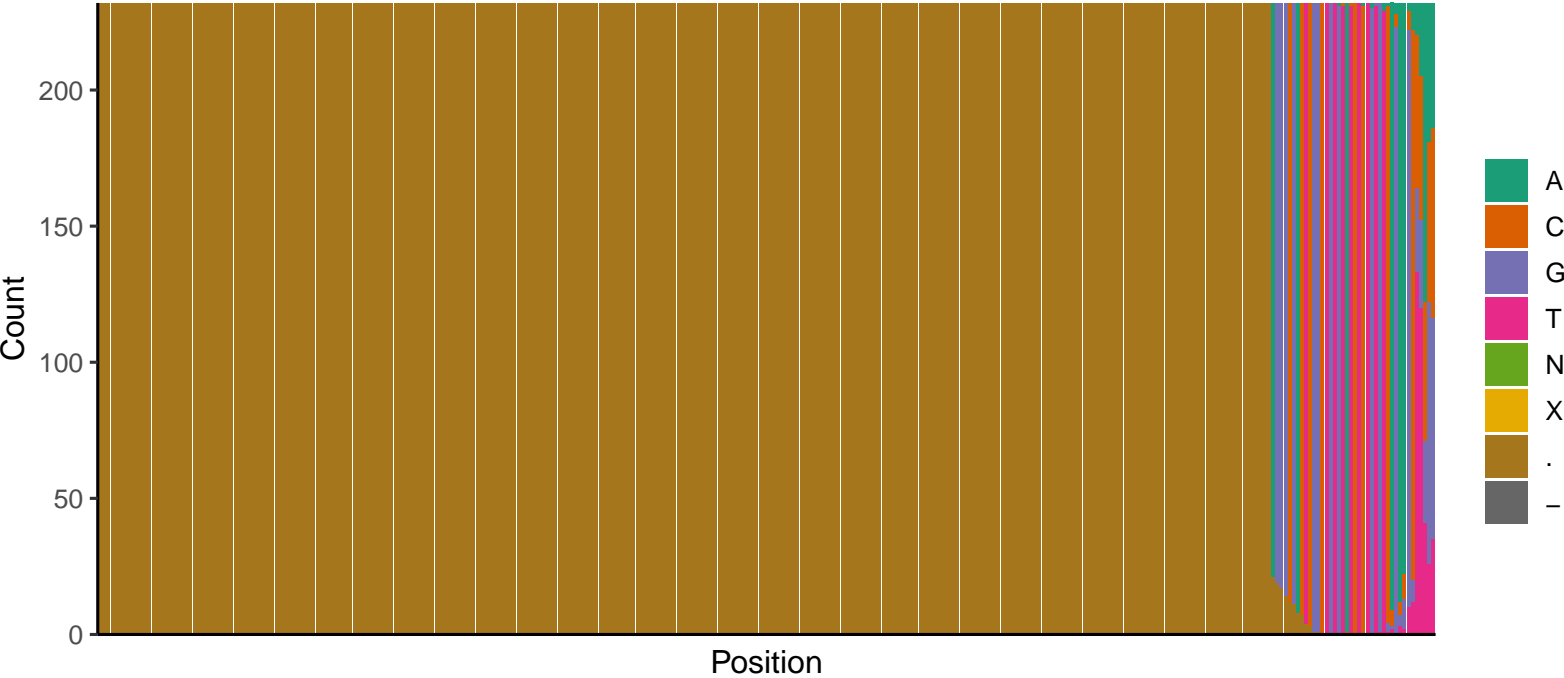
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



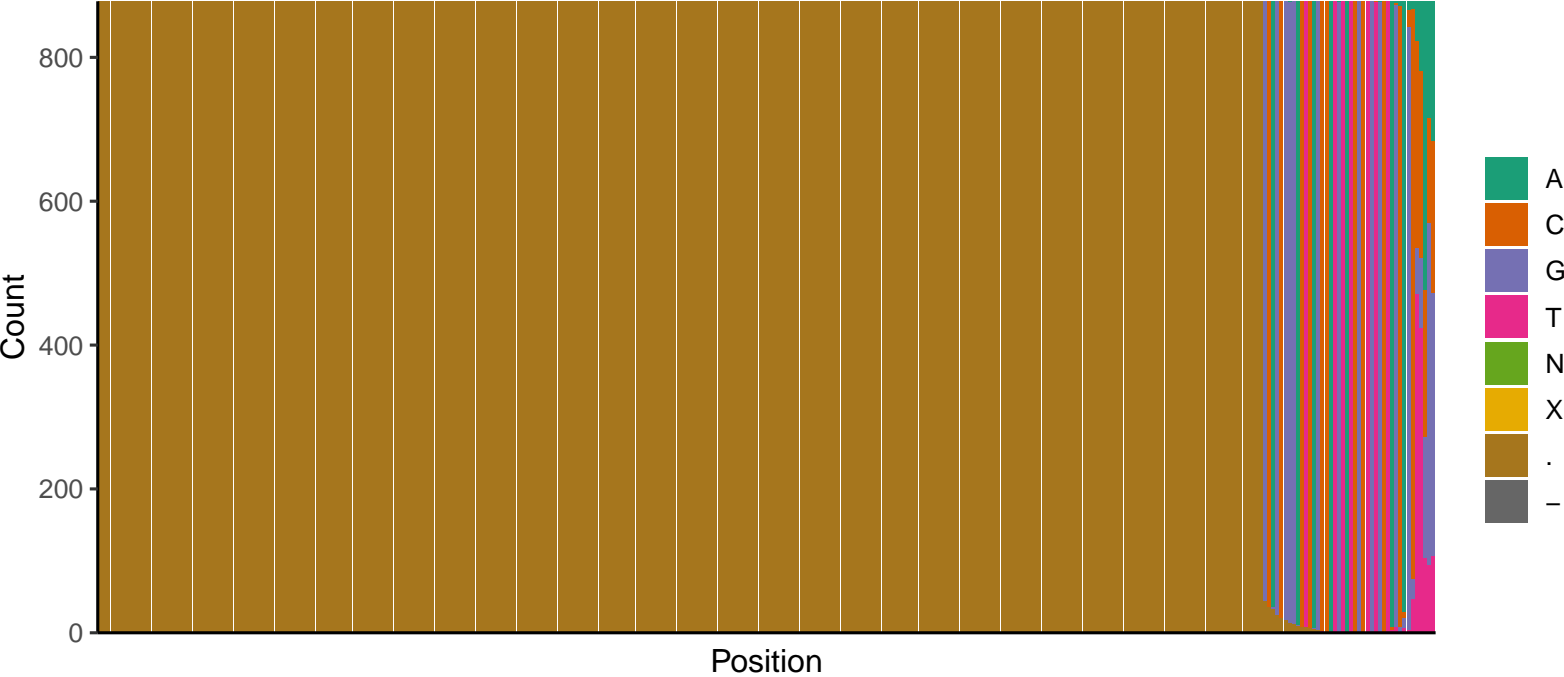
Gene TRBV7-7\*ap01\_C315T



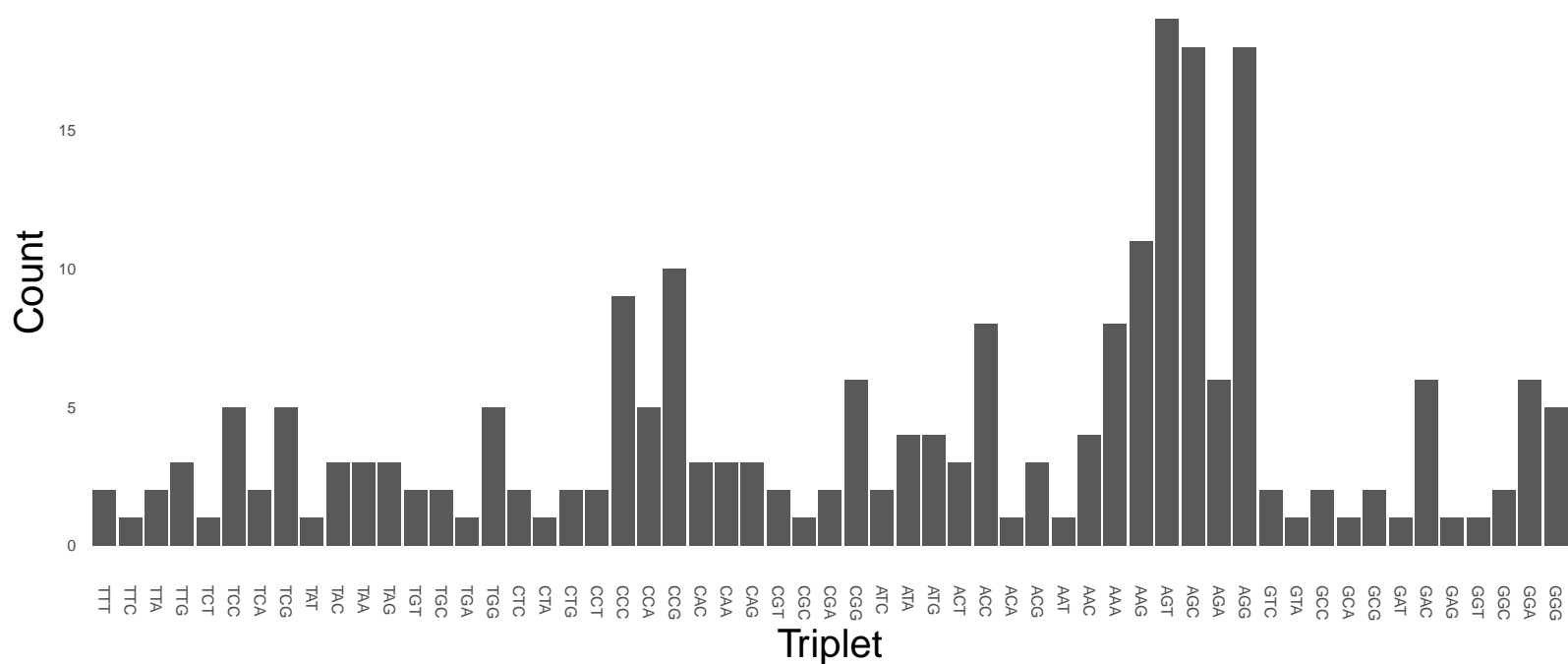
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



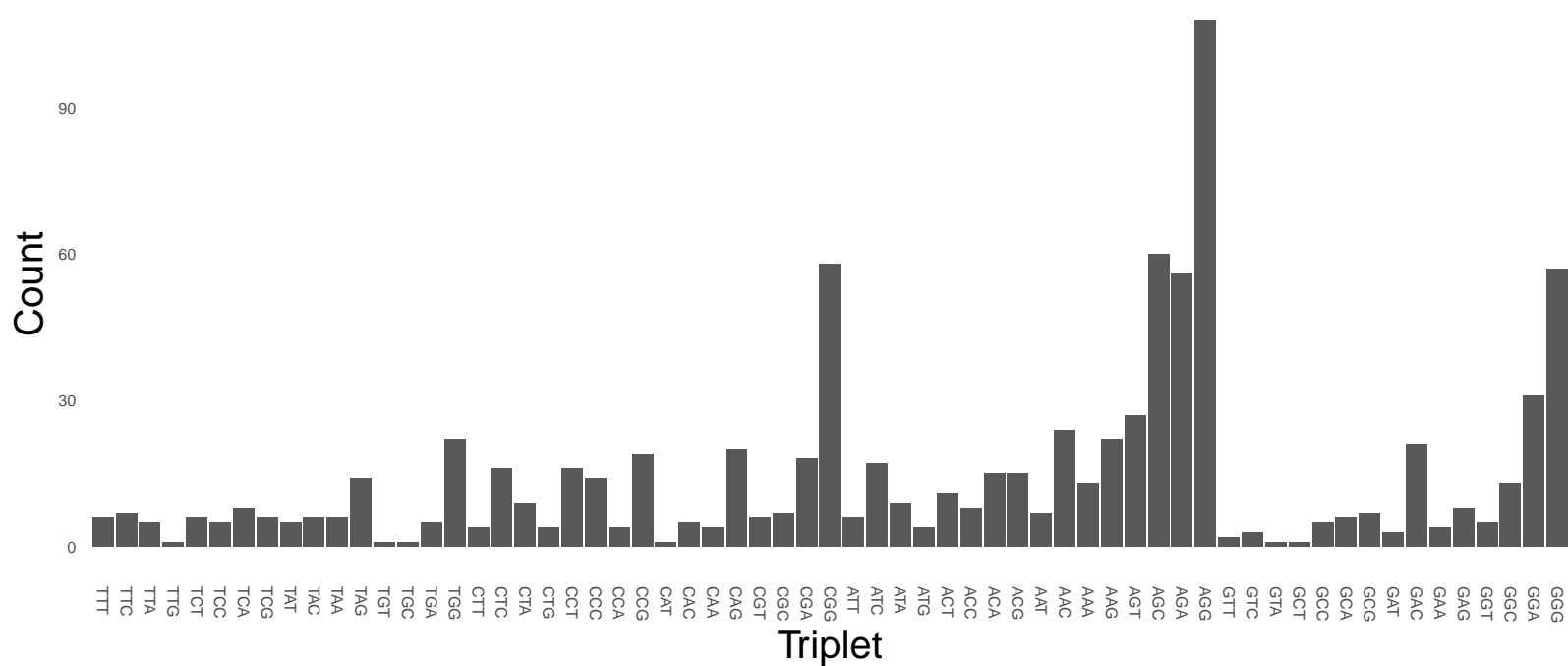
Gene TRBV7-7\*ap01\_C315T



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

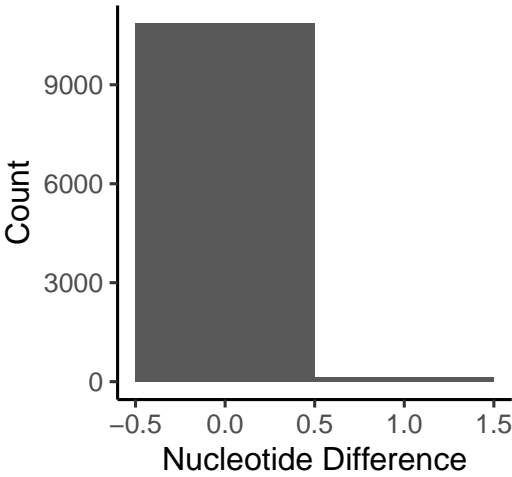


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



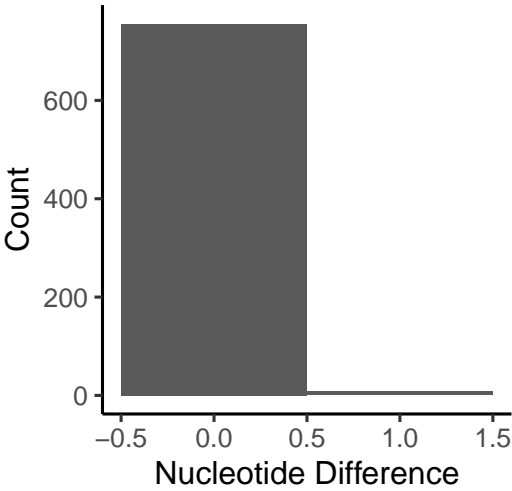
TRBV20–1\*ap01

10983 sequences assigned  
10859 (98.9%) exact matches, in which:  
10745 unique CDR3  
14 unique J



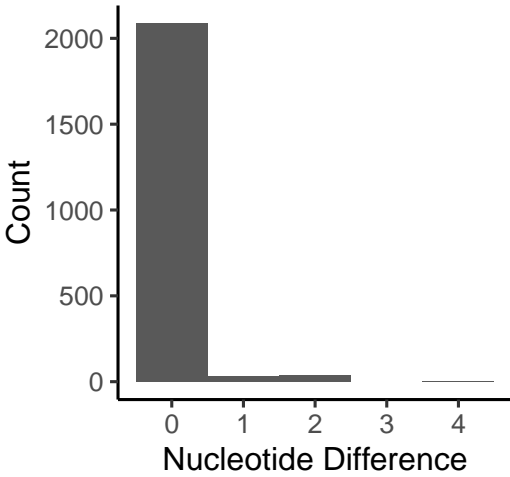
TRBV10–2\*ap01

764 sequences assigned  
756 (99%) exact matches, in which:  
746 unique CDR3  
14 unique J



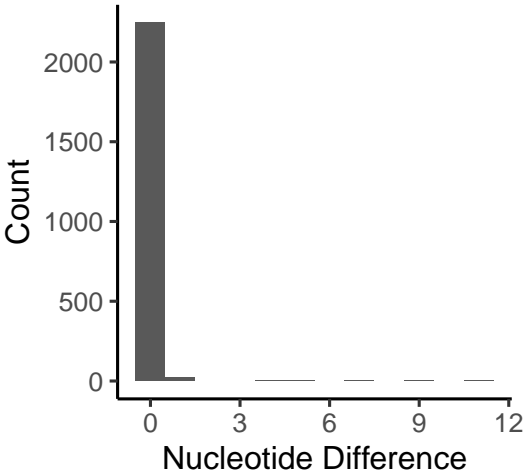
TRBV13\*ap01

2156 sequences assigned  
2087 (96.8%) exact matches, in which:  
2048 unique CDR3  
14 unique J



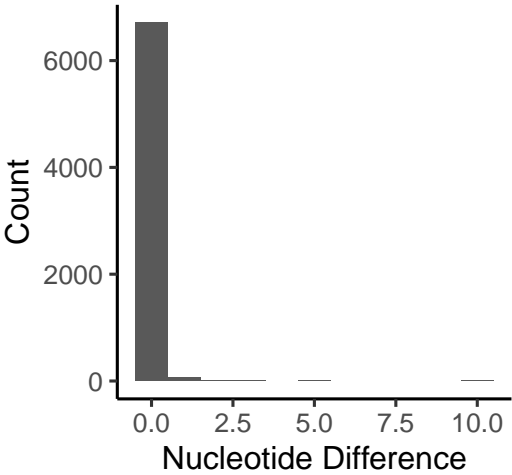
TRBV10–1\*ap01

2272 sequences assigned  
2246 (98.9%) exact matches, in which:  
2190 unique CDR3  
14 unique J



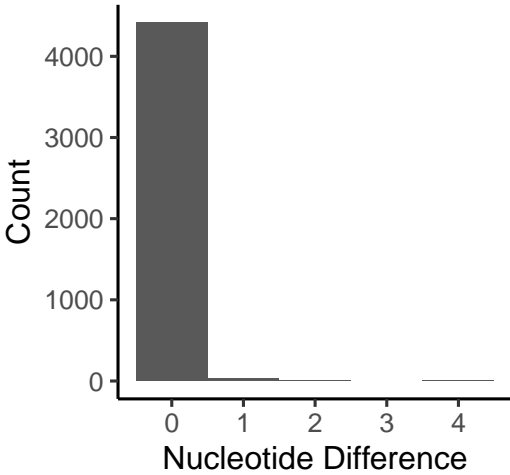
TRBV10–3\*ap01

6780 sequences assigned  
6709 (99%) exact matches, in which:  
6631 unique CDR3  
14 unique J



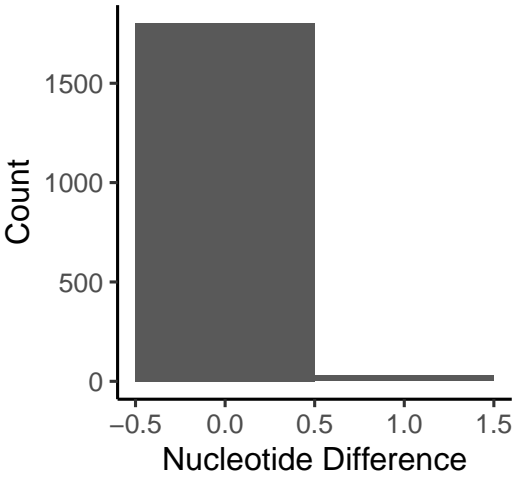
TRBV14\*ap01

4450 sequences assigned  
4414 (99.2%) exact matches, in which:  
4366 unique CDR3  
15 unique J



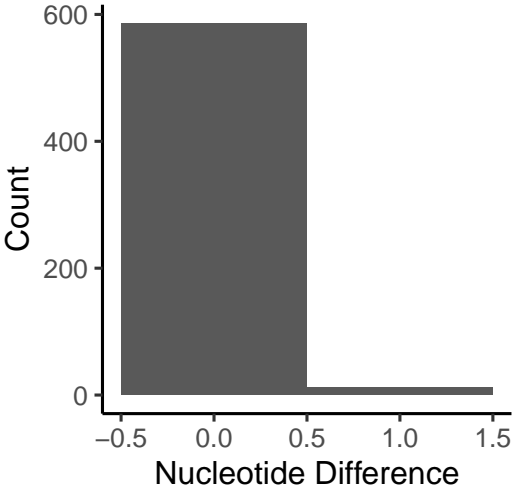
TRBV20–1\*ap02

1832 sequences assigned  
1803 (98.4%) exact matches, in which:  
1787 unique CDR3  
14 unique J



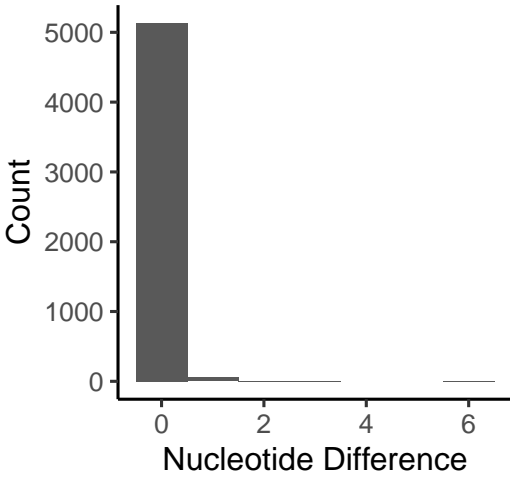
TRBV1\*ap01

598 sequences assigned  
586 (98%) exact matches, in which:  
573 unique CDR3  
14 unique J



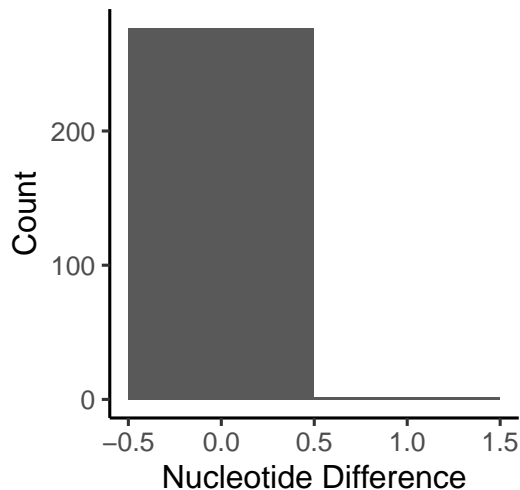
TRBV15\*ap02

5191 sequences assigned  
5133 (98.9%) exact matches, in which:  
5069 unique CDR3  
14 unique J



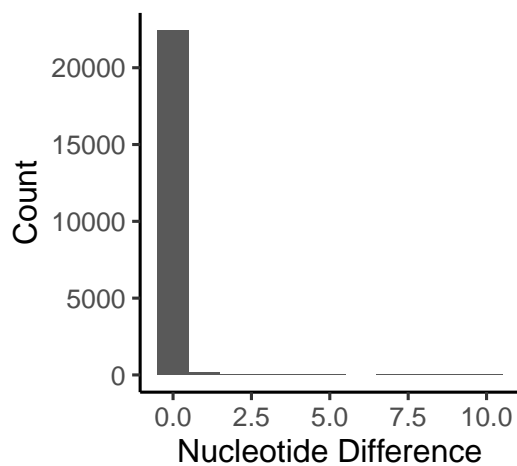
### TRBV16\*ap01

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



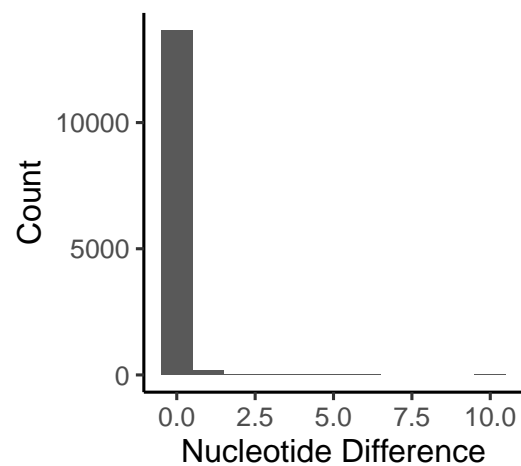
### TRBV19\*ap01

22645 sequences assigned  
22447 (99.1%) exact matches, in which:  
22300 unique CDR3  
14 unique J



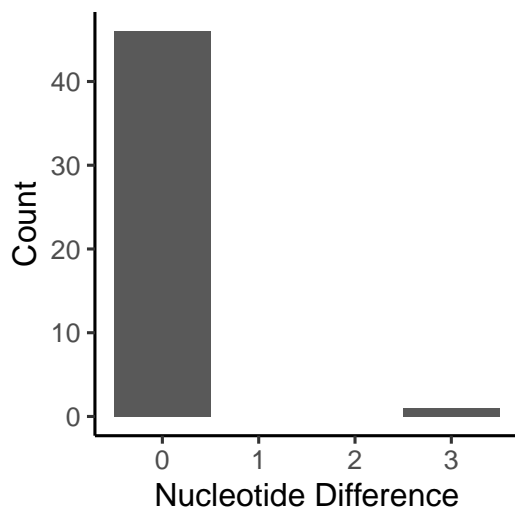
### TRBV27\*ap01

13862 sequences assigned  
13663 (98.6%) exact matches, in which:  
13449 unique CDR3  
14 unique J



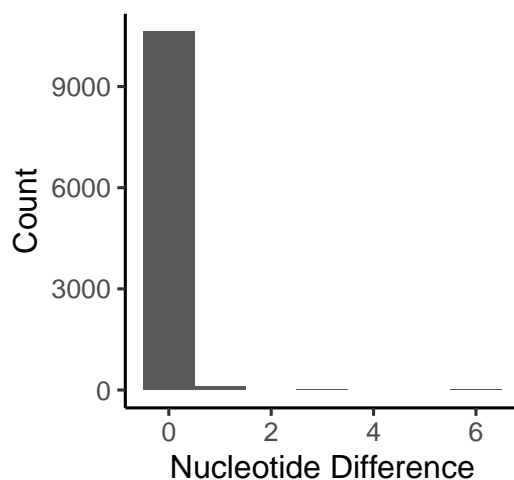
### TRBV17\*ap01

47 sequences assigned  
46 (97.9%) exact matches, in which:  
46 unique CDR3  
13 unique J



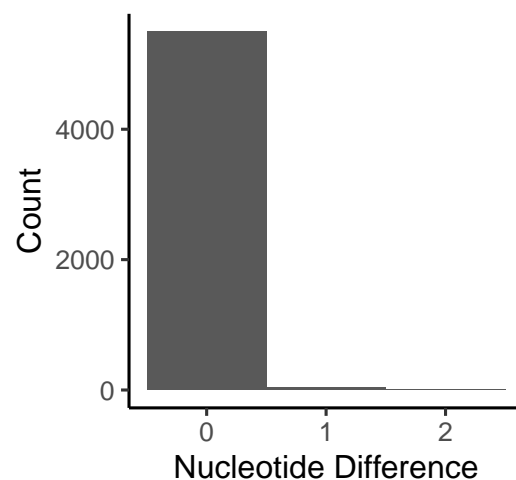
### TRBV2\*ap01

10731 sequences assigned  
10626 (99%) exact matches, in which:  
10474 unique CDR3  
14 unique J



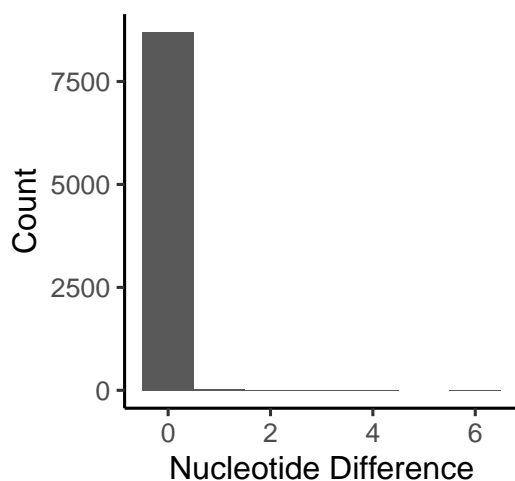
### TRBV28\*ap01

5541 sequences assigned  
5496 (99.2%) exact matches, in which:  
5435 unique CDR3  
14 unique J



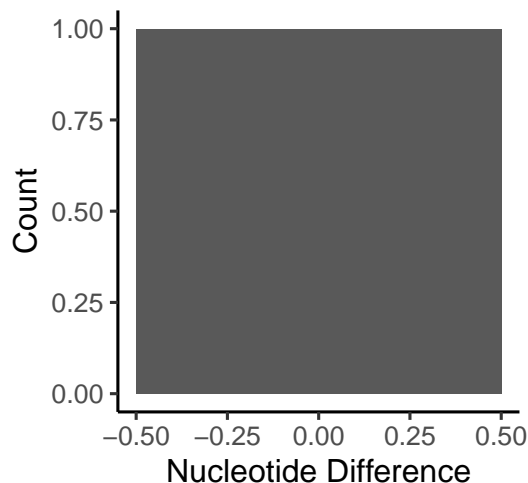
### TRBV18\*ap01

8745 sequences assigned  
8701 (99.5%) exact matches, in which:  
8631 unique CDR3  
14 unique J



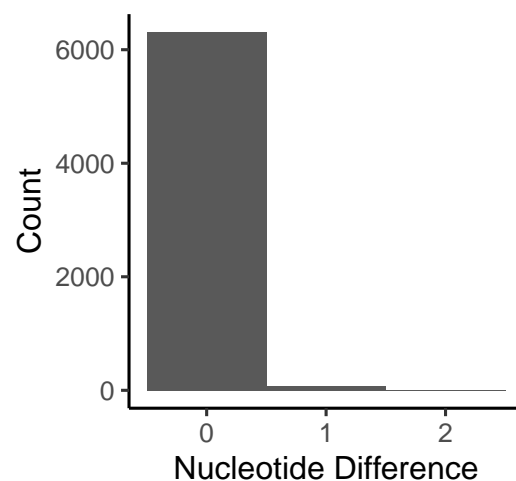
### TRBV26\*ap01

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



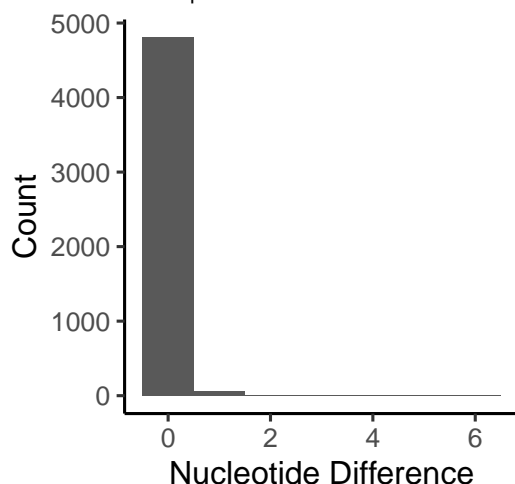
### TRBV30\*ap01

6389 sequences assigned  
6311 (98.8%) exact matches, in which:  
6243 unique CDR3  
13 unique J



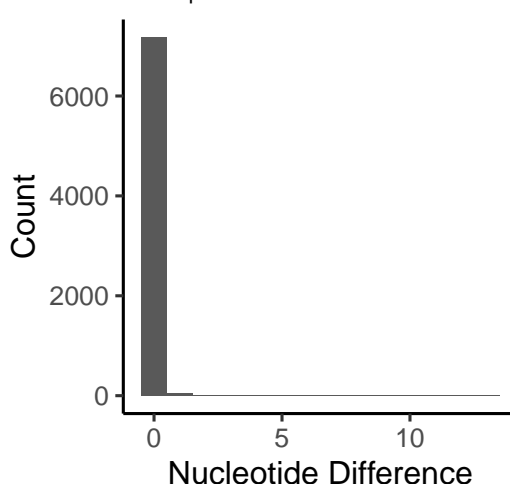
### TRBV30\*ap02

4870 sequences assigned  
4807 (98.7%) exact matches, in which:  
4784 unique CDR3  
13 unique J



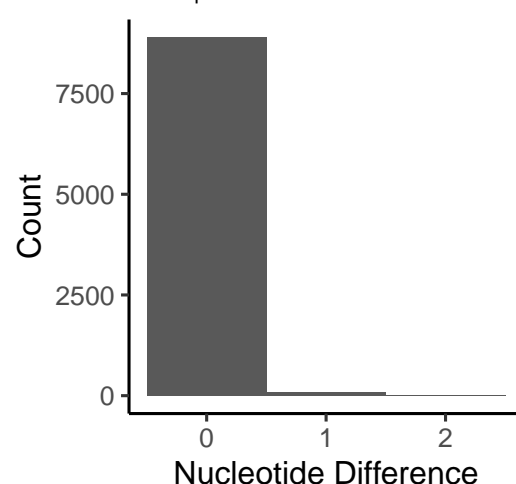
### TRBV21-1\*ap01

7290 sequences assigned  
7173 (98.4%) exact matches, in which:  
7062 unique CDR3  
14 unique J



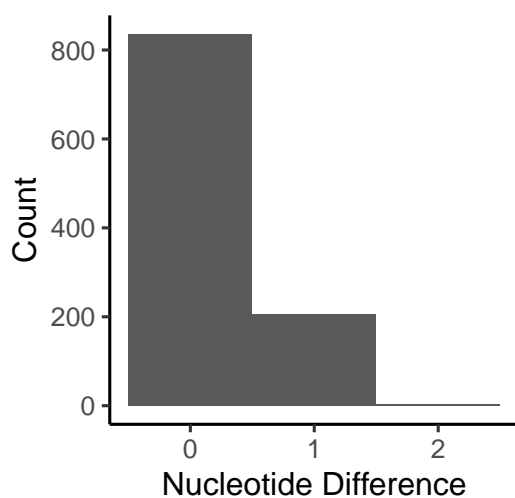
### TRBV11-3\*ap01

8983 sequences assigned  
8894 (99%) exact matches, in which:  
8779 unique CDR3  
14 unique J



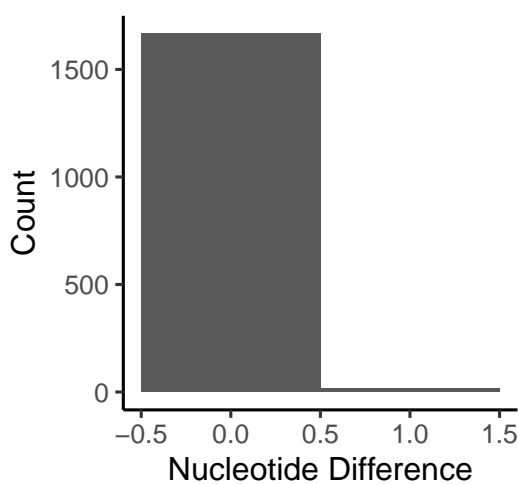
### TRBV30\*ap03

1045 sequences assigned  
836 (80%) exact matches, in which:  
829 unique CDR3  
13 unique J



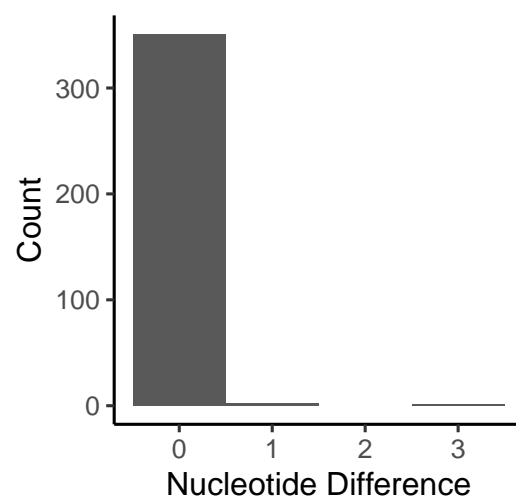
### TRBV11-1\*ap01

1680 sequences assigned  
1666 (99.2%) exact matches, in which:  
1638 unique CDR3  
14 unique J



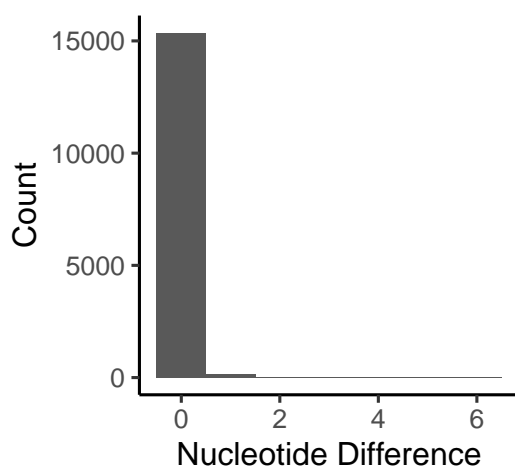
### TRBV12-1\*ap01

354 sequences assigned  
351 (99.2%) exact matches, in which:  
347 unique CDR3  
14 unique J



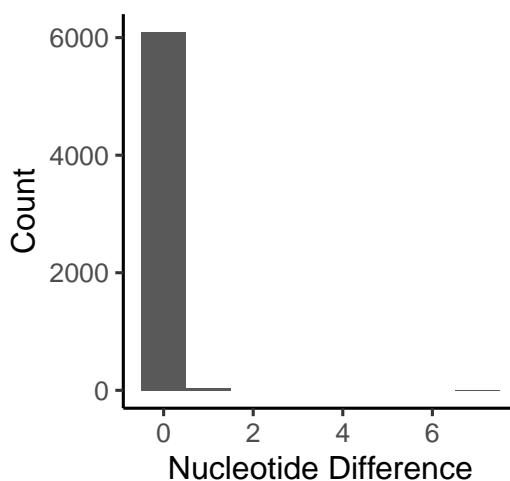
### TRBV9\*ap01

15527 sequences assigned  
15362 (98.9%) exact matches, in which:  
15182 unique CDR3  
14 unique J



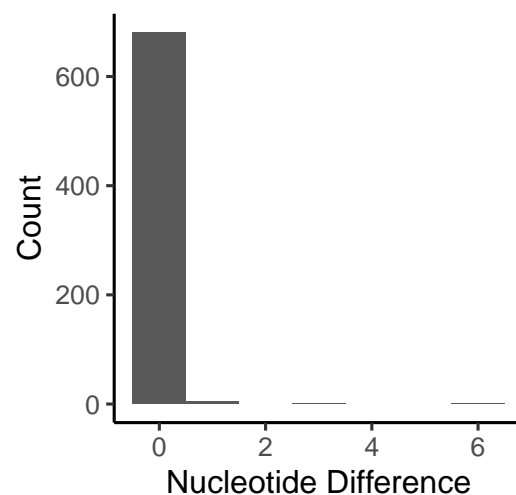
### TRBV11-2\*ap01

6139 sequences assigned  
6095 (99.3%) exact matches, in which:  
6031 unique CDR3  
14 unique J



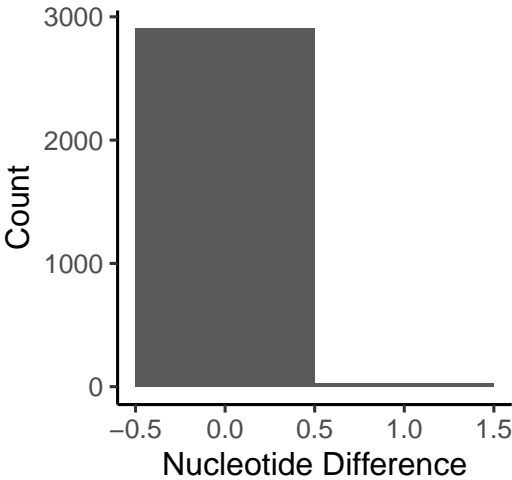
### TRBV12-2\*ap01

688 sequences assigned  
681 (99%) exact matches, in which:  
670 unique CDR3  
14 unique J



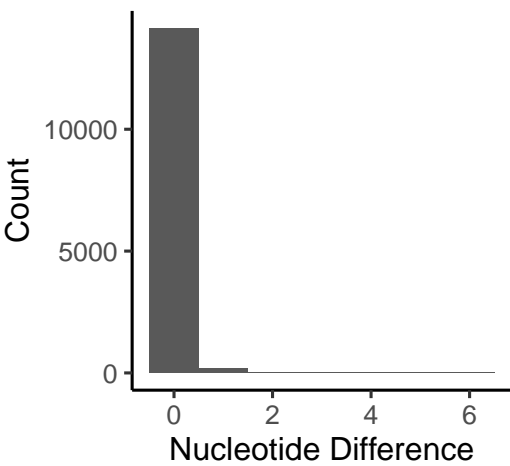
TRBV12-5\*ap01

2934 sequences assigned  
2906 (99%) exact matches, in which:  
2852 unique CDR3  
14 unique J



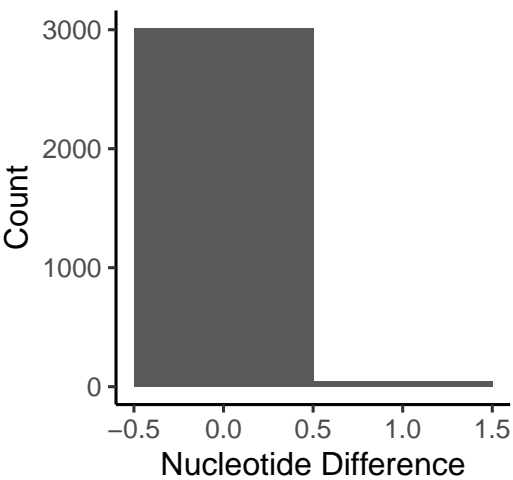
TRBV3-12\*ap01

14333 sequences assigned  
14149 (98.7%) exact matches, in which:  
13963 unique CDR3  
14 unique J



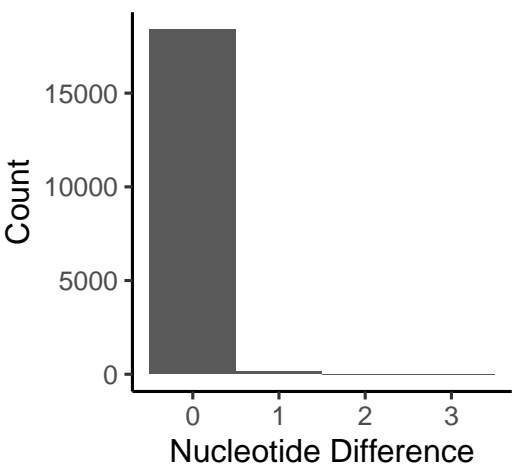
TRBV4-2\*ap01

3059 sequences assigned  
3011 (98.4%) exact matches, in which:  
2994 unique CDR3  
14 unique J



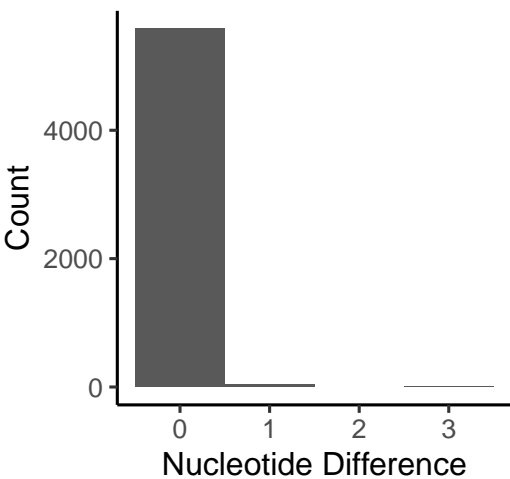
TRBV12-34\*ap01

18560 sequences assigned  
18397 (99.1%) exact matches, in which:  
18170 unique CDR3  
14 unique J



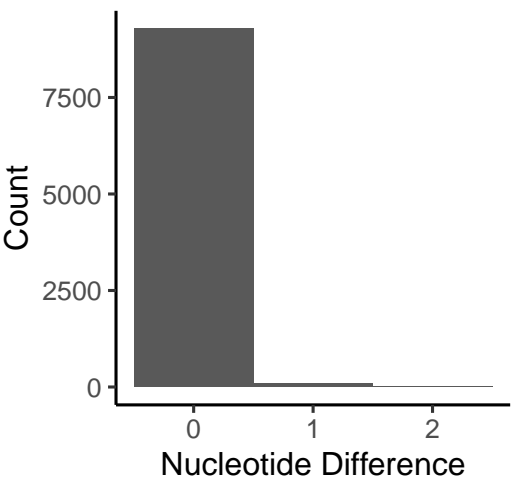
TRBV4-1\*ap01

5631 sequences assigned  
5582 (99.1%) exact matches, in which:  
5506 unique CDR3  
14 unique J



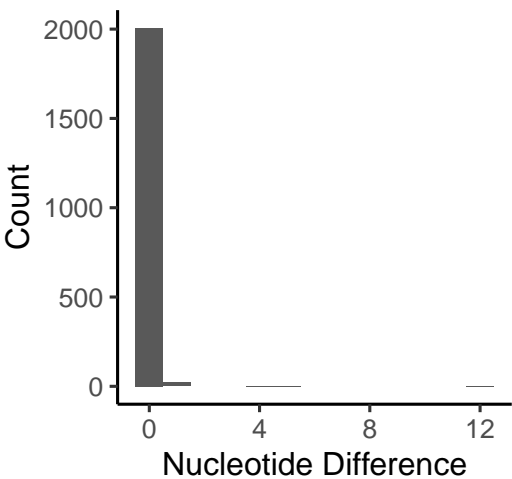
TRBV4-3\*ap01

9377 sequences assigned  
9281 (99%) exact matches, in which:  
9176 unique CDR3  
14 unique J



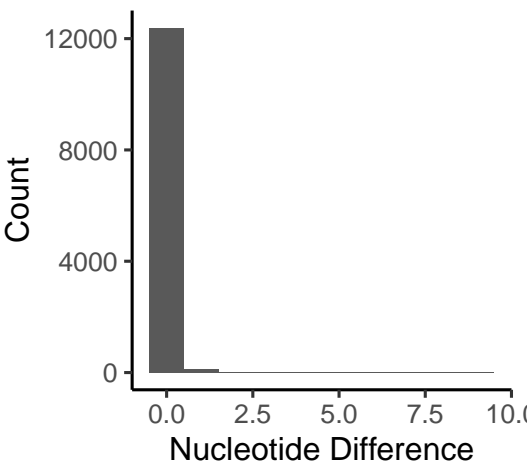
TRBV23-1\*ap01

2031 sequences assigned  
2006 (98.8%) exact matches, in which:  
1961 unique CDR3  
14 unique J



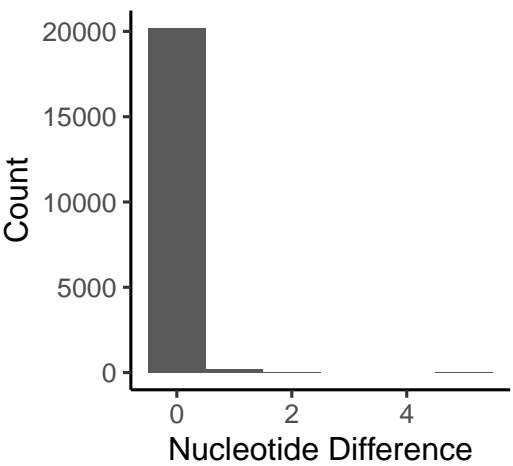
TRBV24-1\*ap01

12564 sequences assigned  
12389 (98.6%) exact matches, in which:  
12264 unique CDR3  
14 unique J



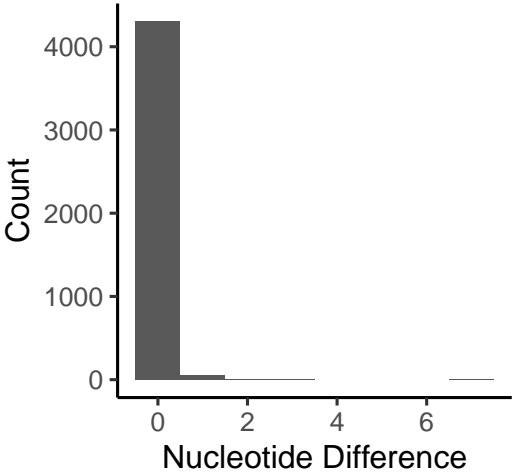
TRBV5-1\*ap01

20417 sequences assigned  
20212 (99%) exact matches, in which:  
19890 unique CDR3  
14 unique J



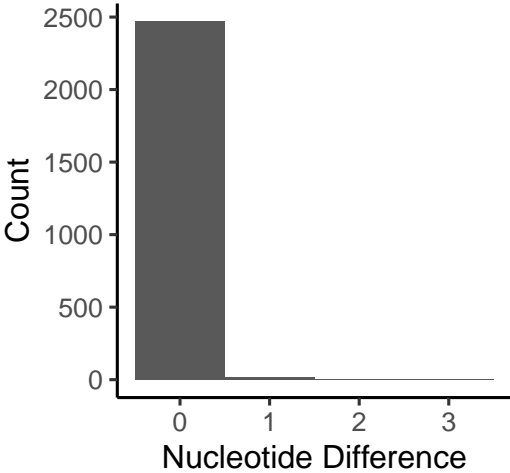
TRBV25-1\*ap01

4363 sequences assigned  
4304 (98.6%) exact matches, in which:  
4262 unique CDR3  
14 unique J



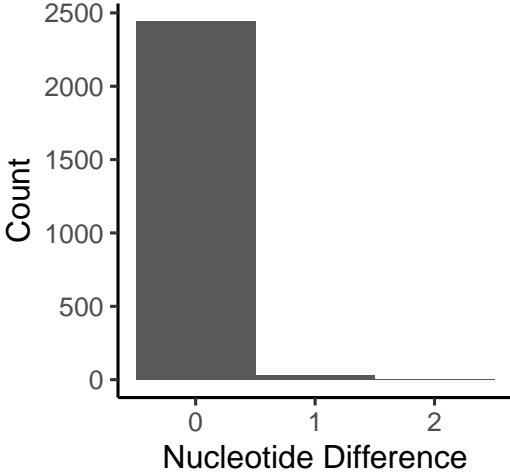
TRBV5-5\*ap01

2492 sequences assigned  
2470 (99.1%) exact matches, in which:  
2454 unique CDR3  
14 unique J



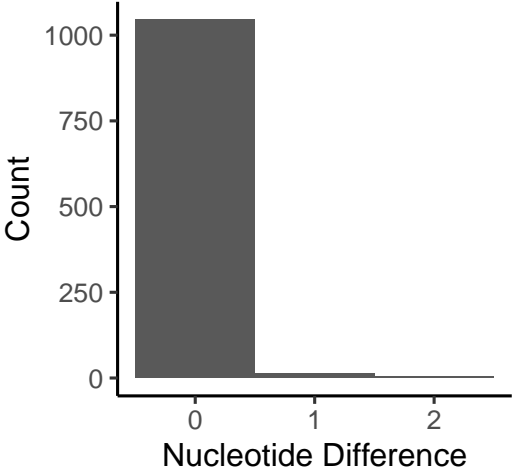
TRBV5-8\*ap01

2477 sequences assigned  
2442 (98.6%) exact matches, in which:  
2407 unique CDR3  
14 unique J



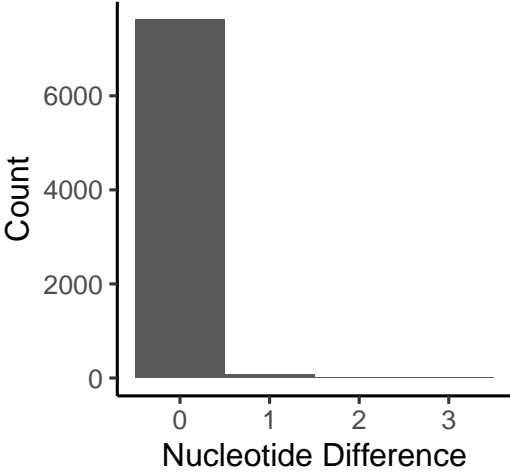
TRBV5-3\*ap01

1060 sequences assigned  
1045 (98.6%) exact matches, in which:  
1030 unique CDR3  
14 unique J



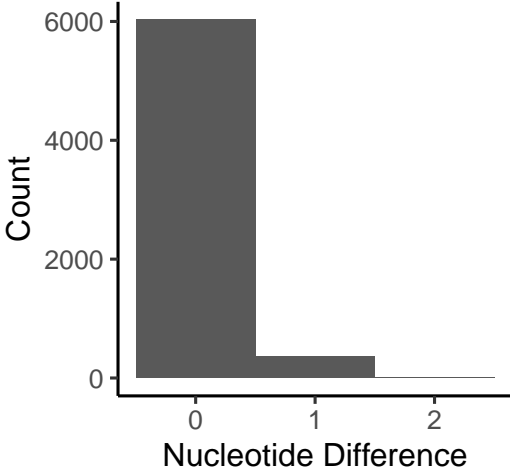
TRBV5-6\*ap01

7706 sequences assigned  
7618 (98.9%) exact matches, in which:  
7501 unique CDR3  
14 unique J



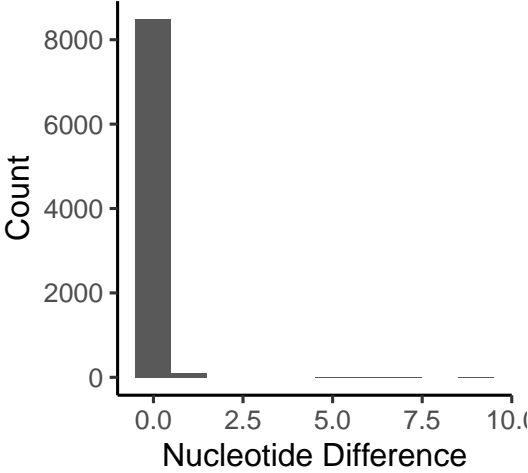
TRBV6-1\*ap01

6396 sequences assigned  
6029 (94.3%) exact matches, in which:  
5929 unique CDR3  
14 unique J



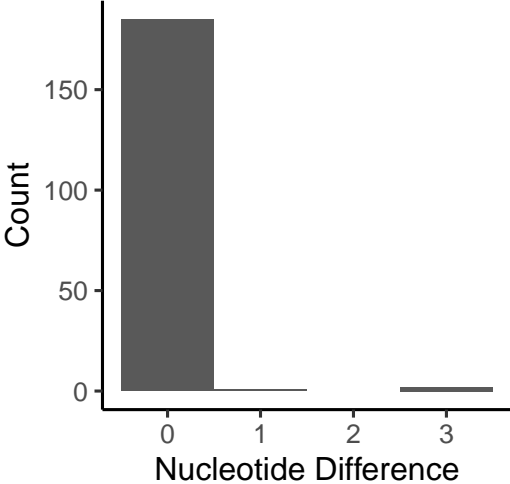
TRBV5-4\*ap01

8602 sequences assigned  
8490 (98.7%) exact matches, in which:  
8377 unique CDR3  
14 unique J



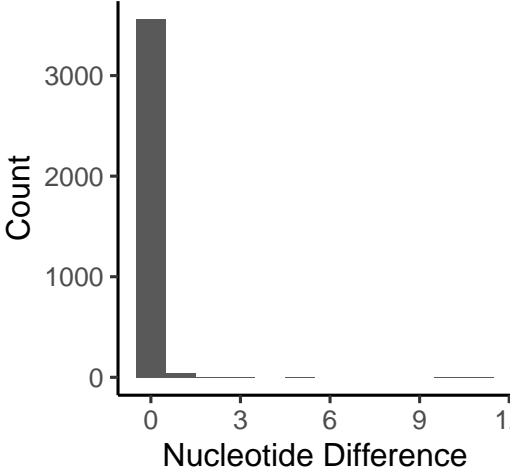
TRBV5-7\*ap01

188 sequences assigned  
185 (98.4%) exact matches, in which:  
182 unique CDR3  
14 unique J



TRBV6-4\*ap01

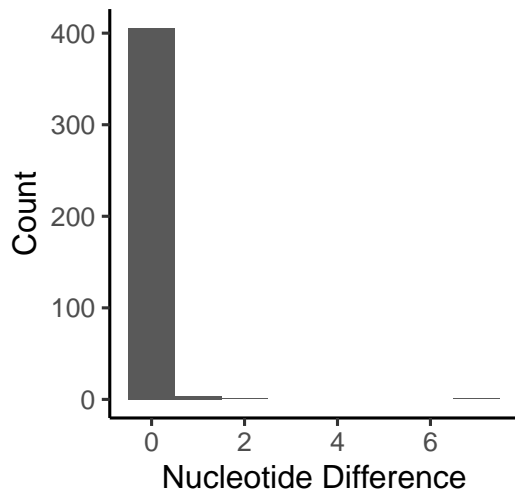
3612 sequences assigned  
3562 (98.6%) exact matches, in which:  
3497 unique CDR3  
14 unique J





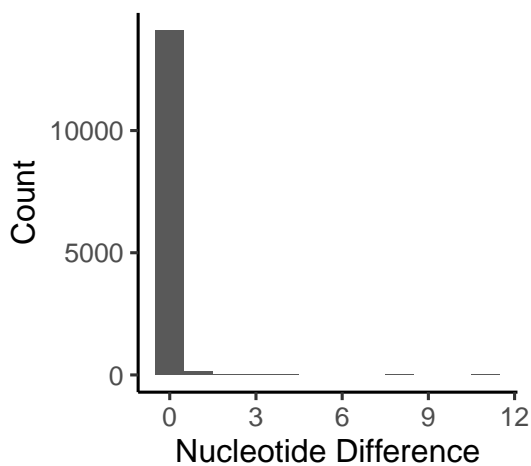
### TRBV6-7\*ap01

412 sequences assigned  
406 (98.5%) exact matches, in which:  
392 unique CDR3  
14 unique J



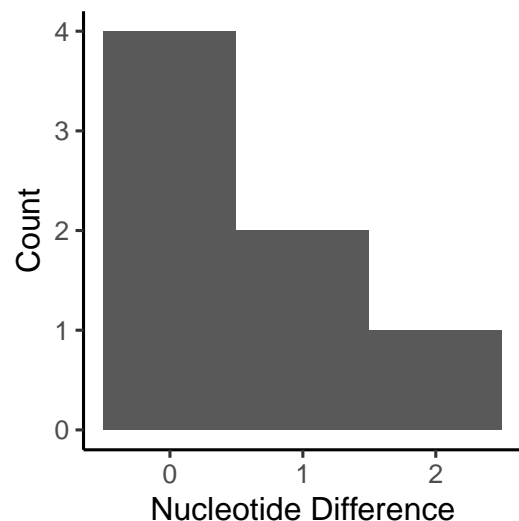
### TRBV6-23\*ap01

14255 sequences assigned  
14108 (99%) exact matches, in which:  
13884 unique CDR3  
14 unique J



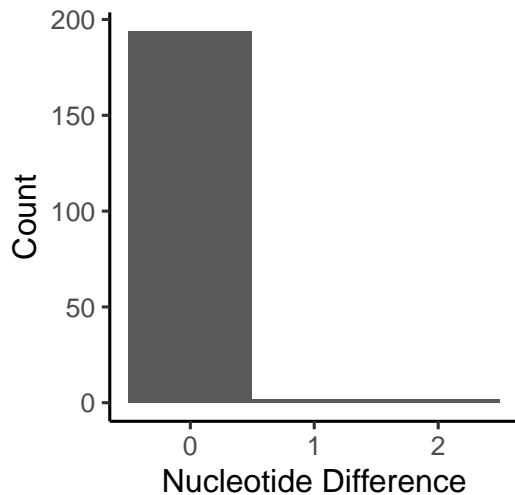
### TRBV7-1\*ap01

7 sequences assigned  
4 (57.1%) exact matches, in which:  
4 unique CDR3  
3 unique J



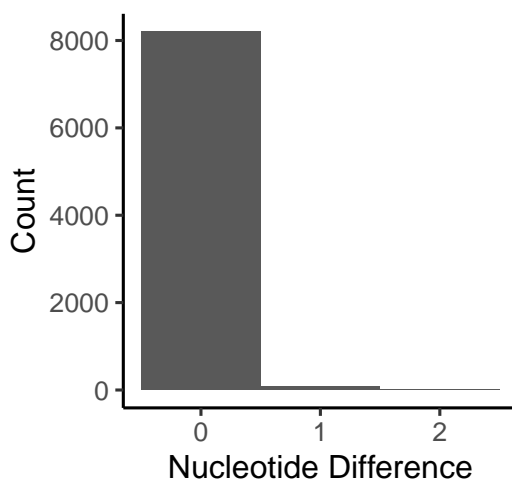
### TRBV6-8\*ap01

198 sequences assigned  
194 (98%) exact matches, in which:  
191 unique CDR3  
14 unique J



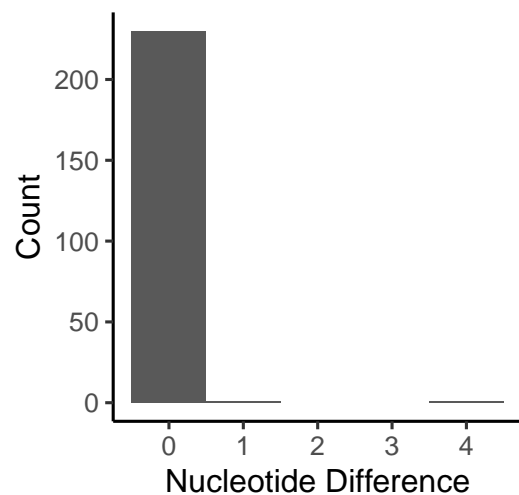
### TRBV6-56\*ap01

8274 sequences assigned  
8201 (99.1%) exact matches, in which:  
8072 unique CDR3  
14 unique J



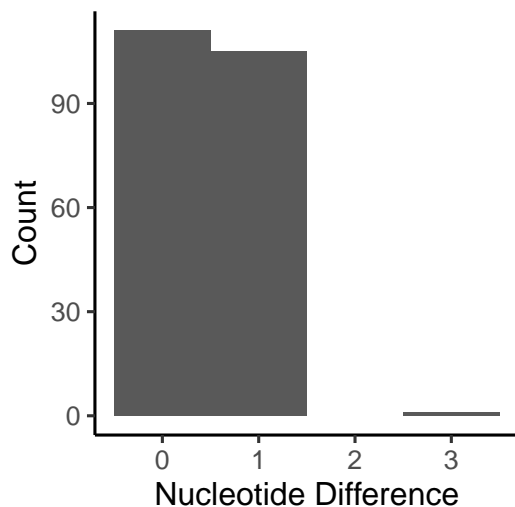
### TRBV7-1\*ap01\_G291C\_

232 sequences assigned  
230 (99.1%) exact matches, in which:  
226 unique CDR3  
14 unique J



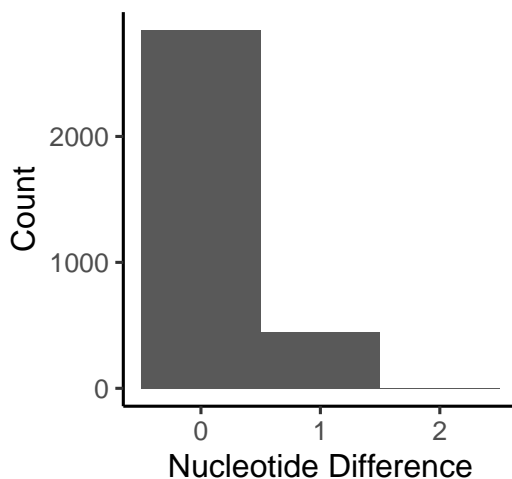
### TRBV6-9\*ap01

217 sequences assigned  
111 (51.2%) exact matches, in which:  
110 unique CDR3  
13 unique J



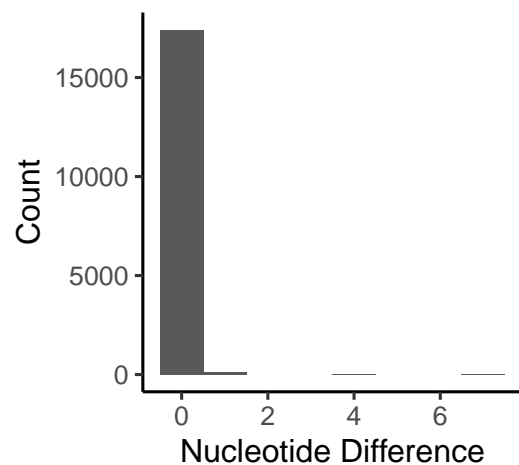
### TRBV6-56\*ap02

3297 sequences assigned  
2845 (86.3%) exact matches, in which:  
2795 unique CDR3  
14 unique J



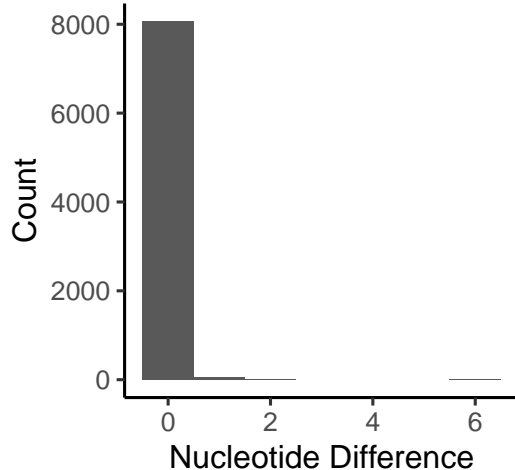
### TRBV7-2\*ap01

17549 sequences assigned  
17411 (99.2%) exact matches, in which:  
17216 unique CDR3  
14 unique J



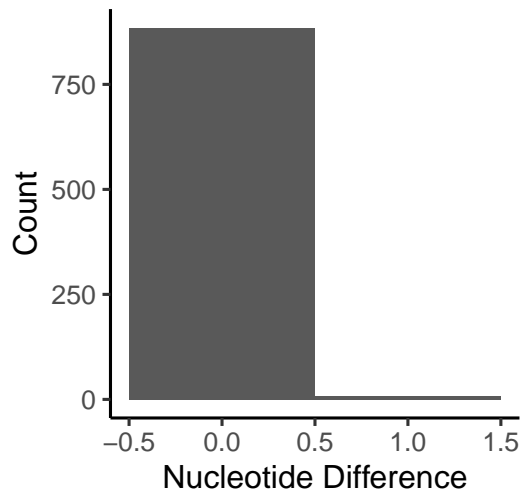
### TRBV7-3\*ap01

8128 sequences assigned  
8064 (99.2%) exact matches, in which:  
7961 unique CDR3  
14 unique J



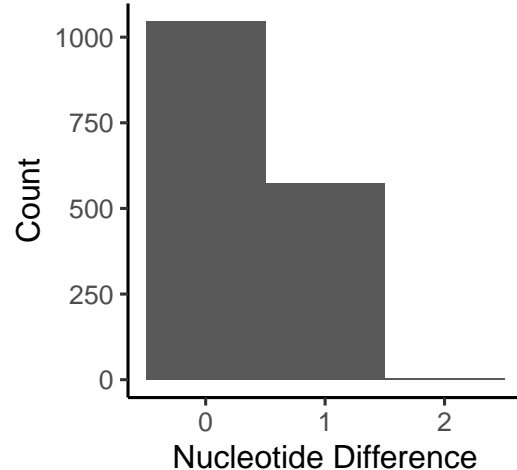
### TRBV7-7\*ap01

893 sequences assigned  
885 (99.1%) exact matches, in which:  
865 unique CDR3  
14 unique J



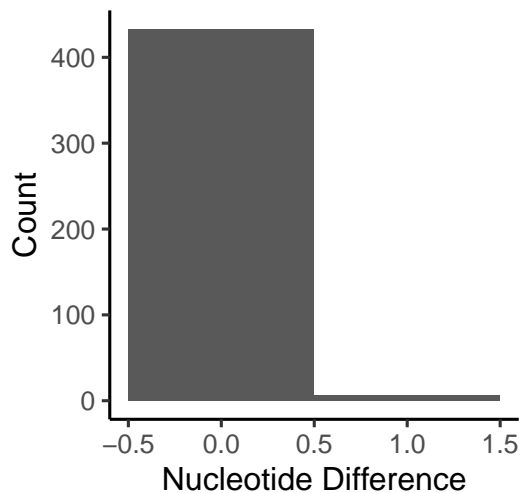
### TRBV7-8\*ap03

1626 sequences assigned  
1046 (64.3%) exact matches, in which:  
1024 unique CDR3  
14 unique J



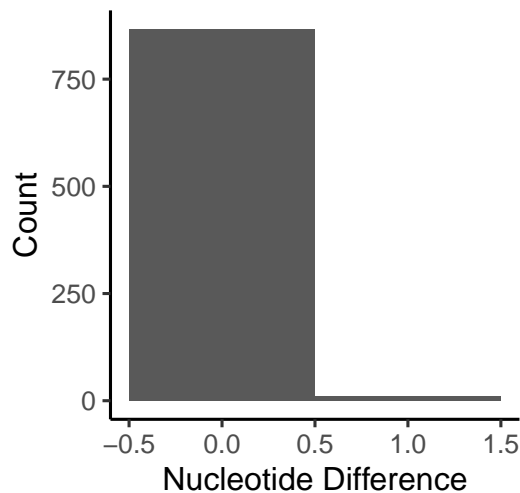
### TRBV7-4\*ap01

440 sequences assigned  
433 (98.4%) exact matches, in which:  
423 unique CDR3  
14 unique J



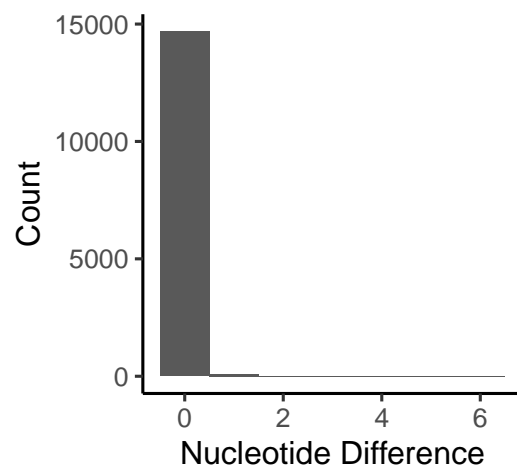
### TRBV7-7\*ap01\_C315T

878 sequences assigned  
867 (98.7%) exact matches, in which:  
861 unique CDR3  
14 unique J



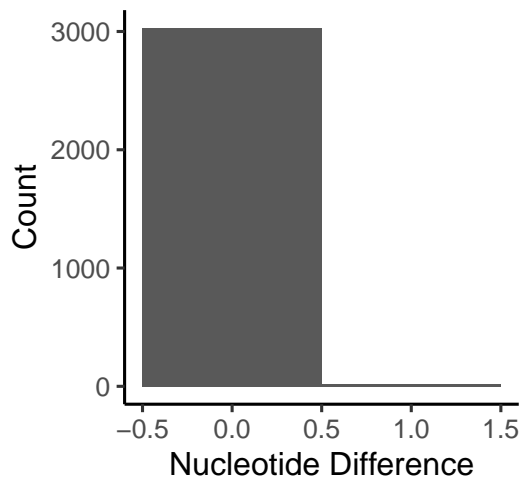
### TRBV7-9\*ap01

14792 sequences assigned  
14684 (99.3%) exact matches, in which:  
14546 unique CDR3  
14 unique J



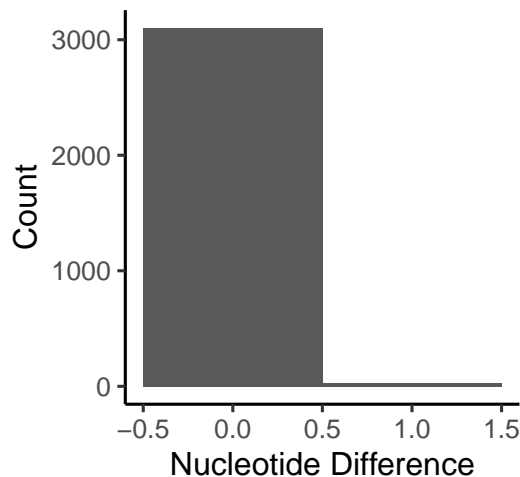
### TRBV7-6\*ap01

3051 sequences assigned  
3029 (99.3%) exact matches, in which:  
2992 unique CDR3  
14 unique J



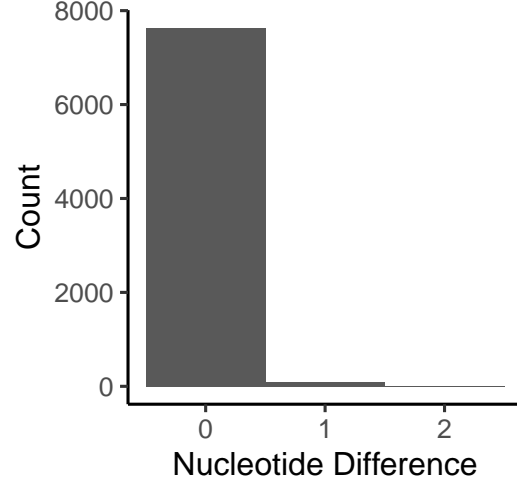
### TRBV7-8\*ap01

3127 sequences assigned  
3101 (99.2%) exact matches, in which:  
3068 unique CDR3  
14 unique J



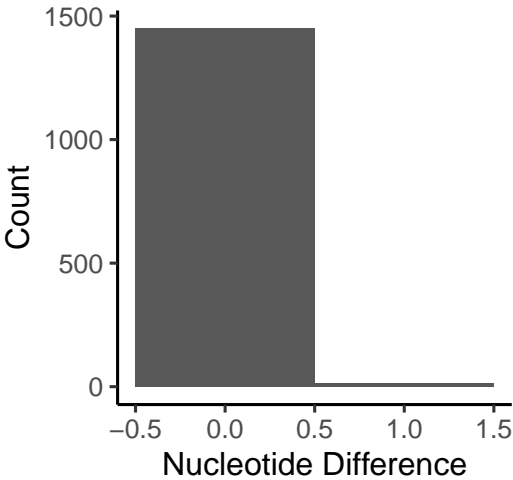
### TRBV29-1\*ap01

7728 sequences assigned  
7629 (98.7%) exact matches, in which:  
7538 unique CDR3  
14 unique J

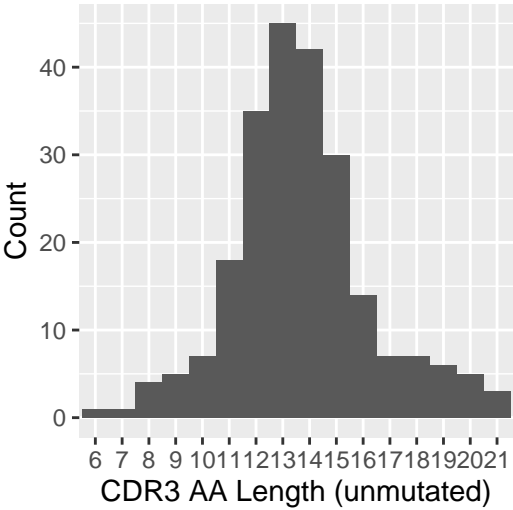


# TRBV29-1\*ap02

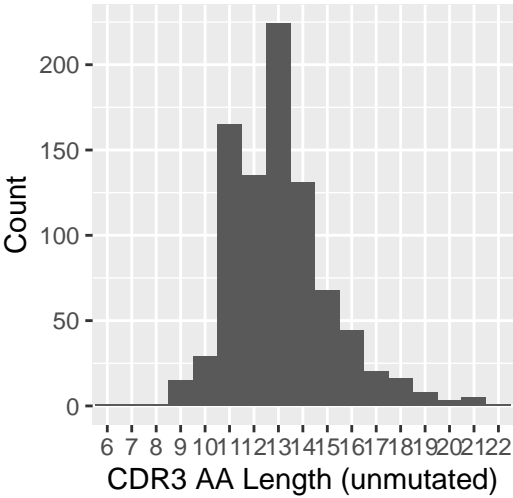
1464 sequences assigned  
1450 (99%) exact matches, in which:  
1439 unique CDR3  
14 unique J



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

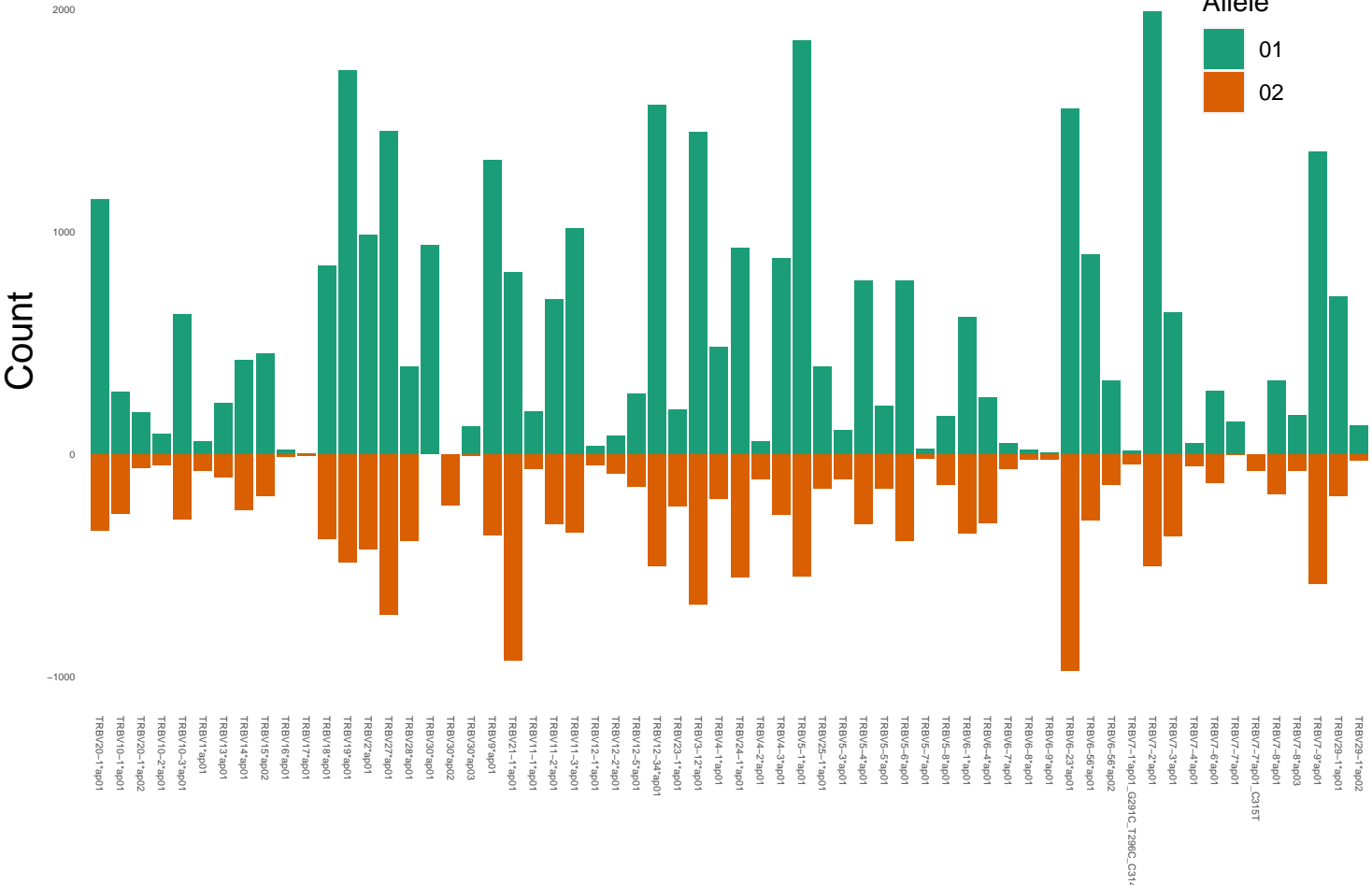


TRBV7-7\*ap01\_C315T





## Sequence Count by TRBJ2-7 allele usage



[illegible]