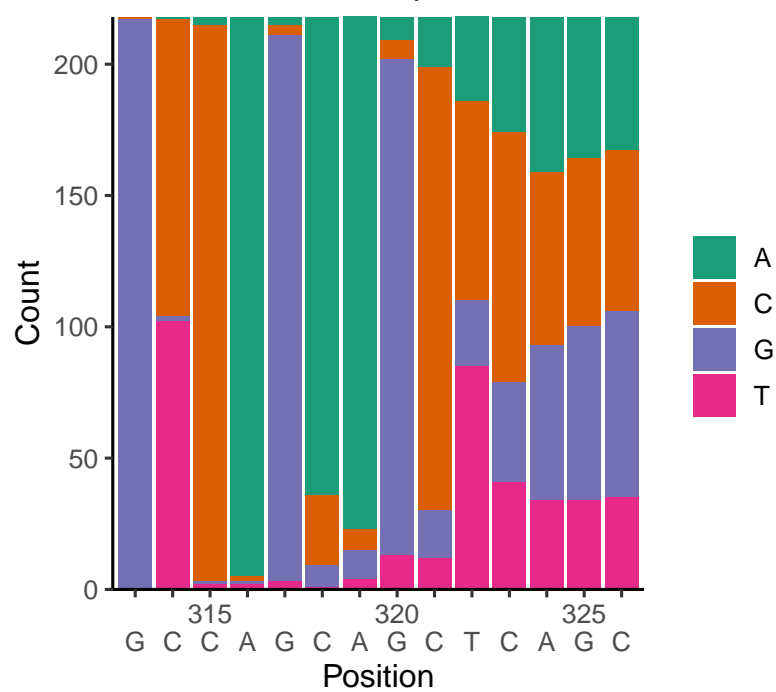
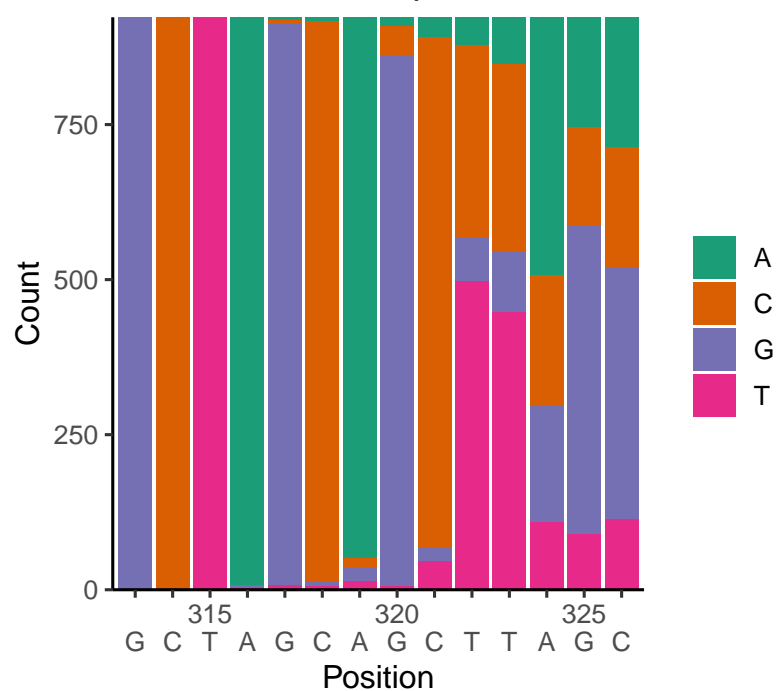


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



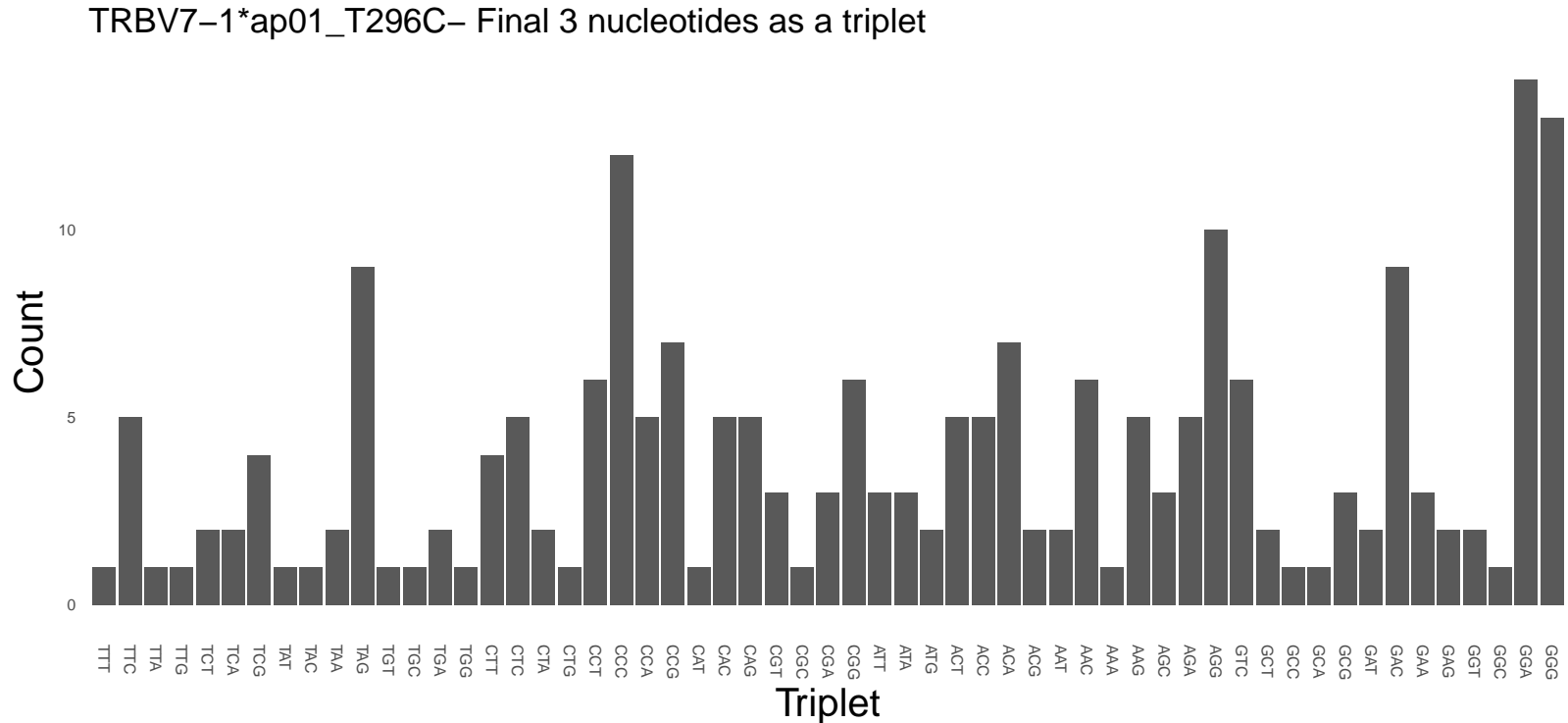
Gene TRBV7-1\*ap01\_T296C



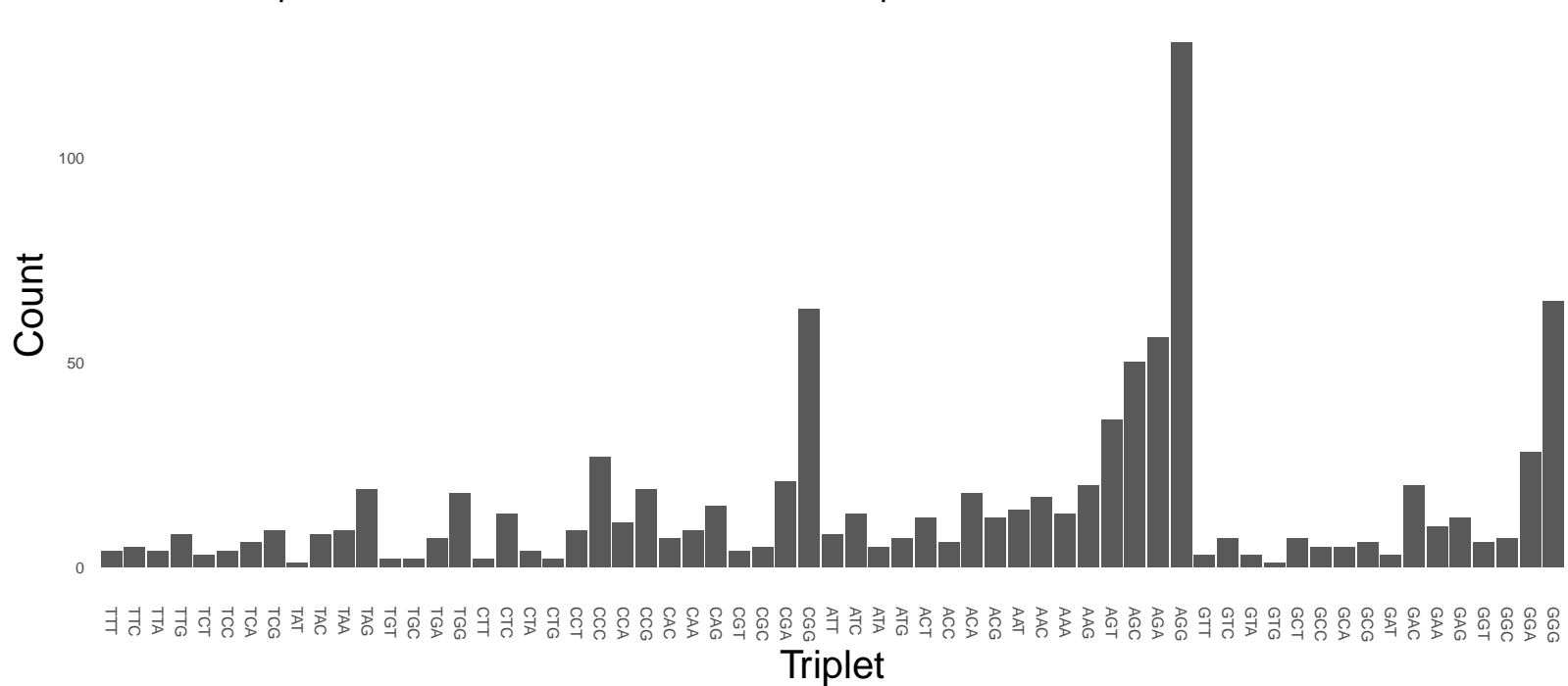
Gene TRBV7-7\*ap01\_C315T



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

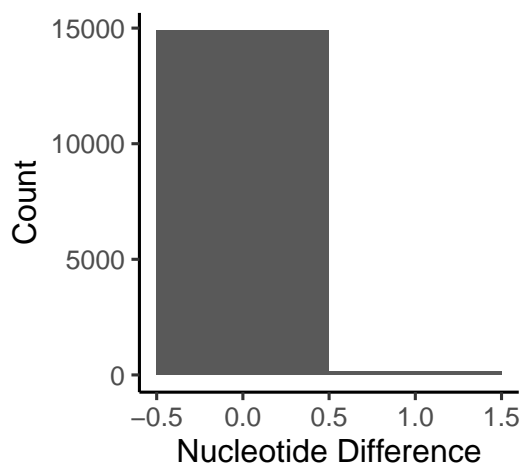


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



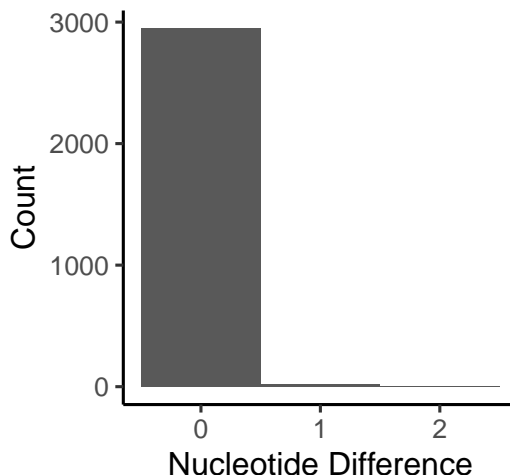
### TRBV20-1\*ap01

15047 sequences assigned  
14911 (99.1%) exact matches, in which:  
14699 unique CDR3  
13 unique J



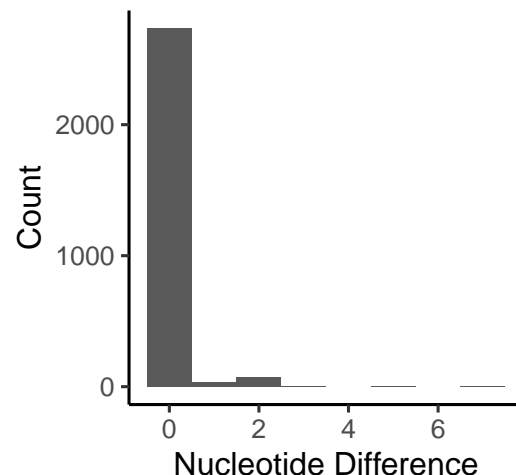
### TRBV10-2\*ap01

2970 sequences assigned  
2948 (99.3%) exact matches, in which:  
2893 unique CDR3  
13 unique J



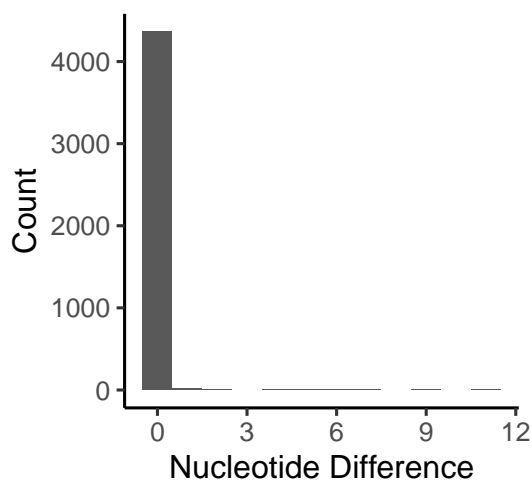
### TRBV13\*ap01

2843 sequences assigned  
2735 (96.2%) exact matches, in which:  
2654 unique CDR3  
13 unique J



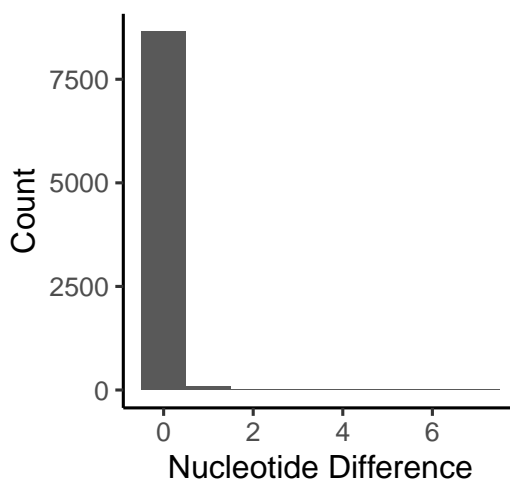
### TRBV10-1\*ap01

4396 sequences assigned  
4363 (99.2%) exact matches, in which:  
4304 unique CDR3  
13 unique J



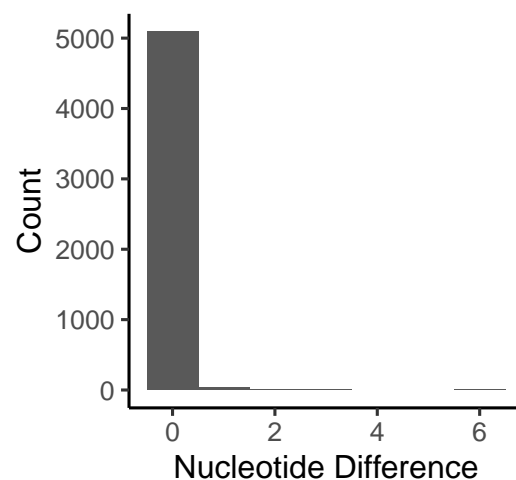
### TRBV10-3\*ap01

8740 sequences assigned  
8648 (98.9%) exact matches, in which:  
8529 unique CDR3  
13 unique J



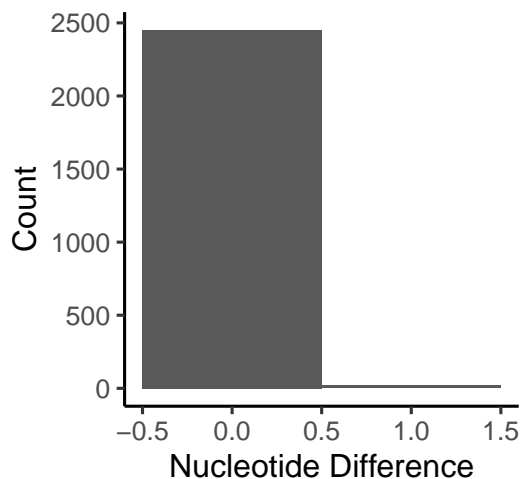
### TRBV14\*ap01

5129 sequences assigned  
5091 (99.3%) exact matches, in which:  
5024 unique CDR3  
13 unique J



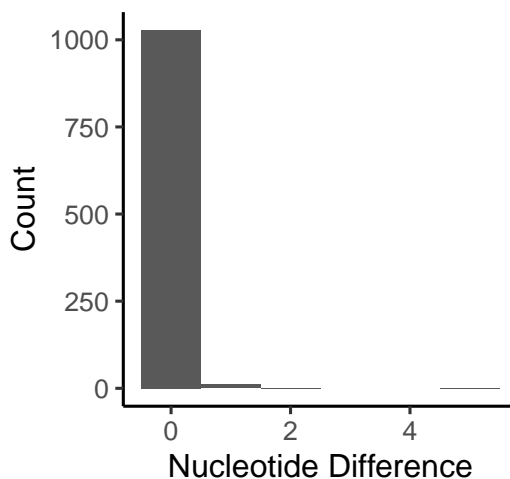
### TRBV20-1\*ap02

2471 sequences assigned  
2451 (99.2%) exact matches, in which:  
2427 unique CDR3  
13 unique J



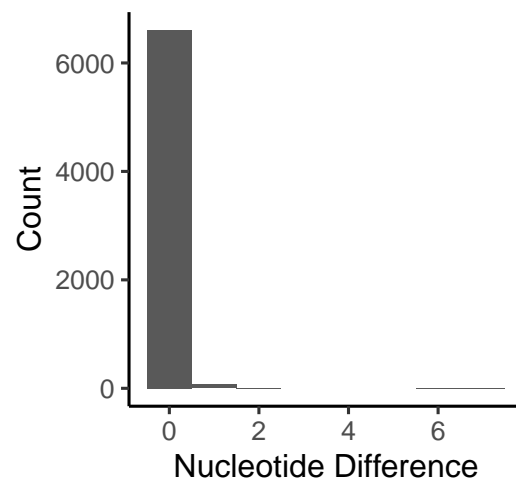
### TRBV1\*ap01

1041 sequences assigned  
1028 (98.8%) exact matches, in which:  
1003 unique CDR3  
13 unique J



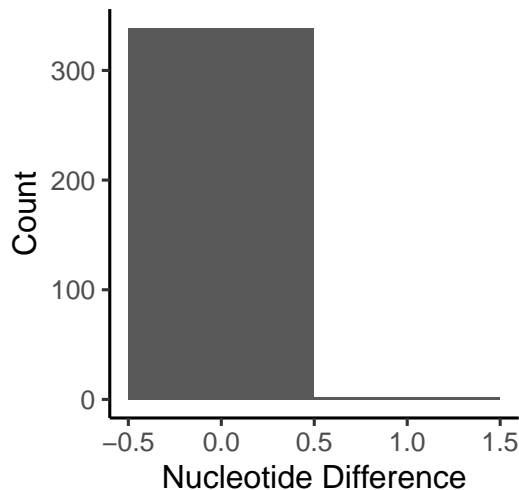
### TRBV15\*ap02

6682 sequences assigned  
6607 (98.9%) exact matches, in which:  
6465 unique CDR3  
13 unique J



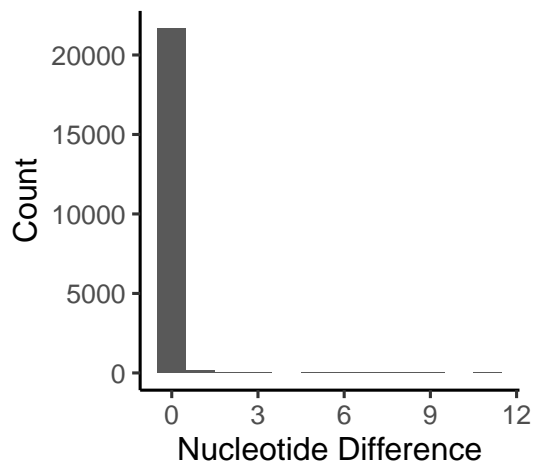
### TRBV16\*ap01

341 sequences assigned  
339 (99.4%) exact matches, in which:  
336 unique CDR3  
13 unique J



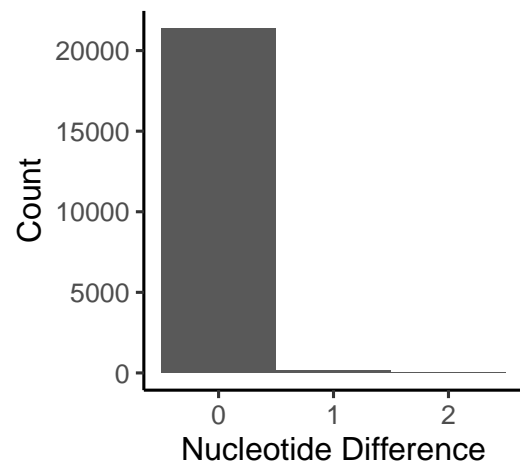
### TRBV19\*ap01

21890 sequences assigned  
21688 (99.1%) exact matches, in which:  
21492 unique CDR3  
13 unique J



### TRBV28\*ap01

21553 sequences assigned  
21391 (99.2%) exact matches, in which:  
21058 unique CDR3  
13 unique J



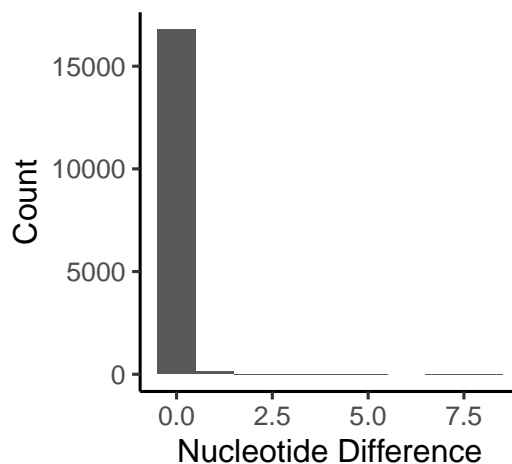
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



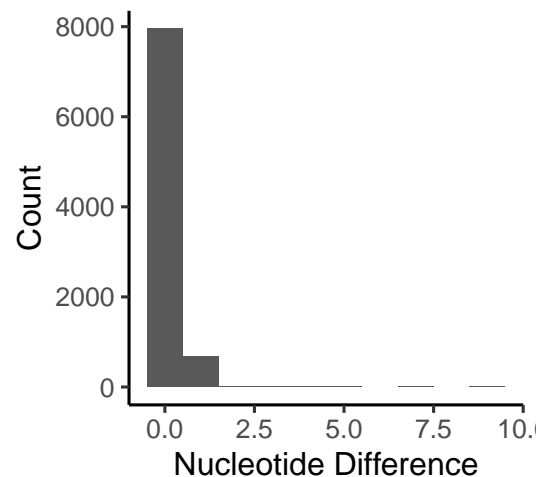
### TRBV2\*ap01

16938 sequences assigned  
16788 (99.1%) exact matches, in which:  
16509 unique CDR3  
13 unique J



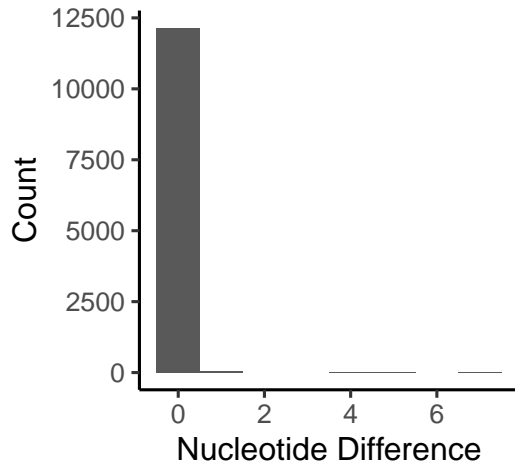
### TRBV30\*ap01

8645 sequences assigned  
7954 (92%) exact matches, in which:  
7759 unique CDR3  
13 unique J



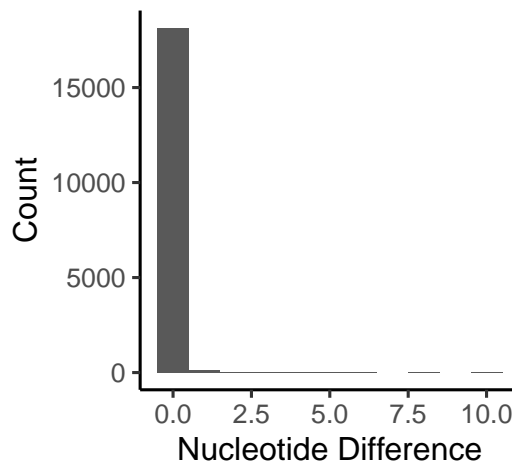
### TRBV18\*ap01

12217 sequences assigned  
12151 (99.5%) exact matches, in which:  
12019 unique CDR3  
13 unique J



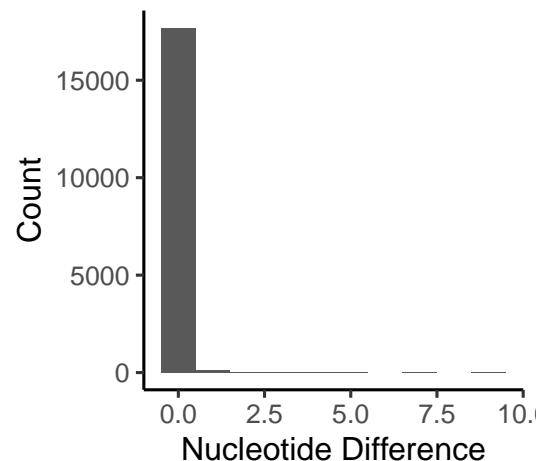
### TRBV27\*ap01

18308 sequences assigned  
18145 (99.1%) exact matches, in which:  
17812 unique CDR3  
13 unique J



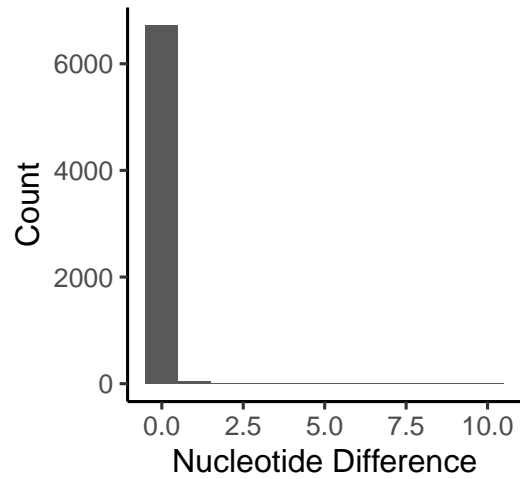
### TRBV9\*ap01

17827 sequences assigned  
17692 (99.2%) exact matches, in which:  
17473 unique CDR3  
13 unique J



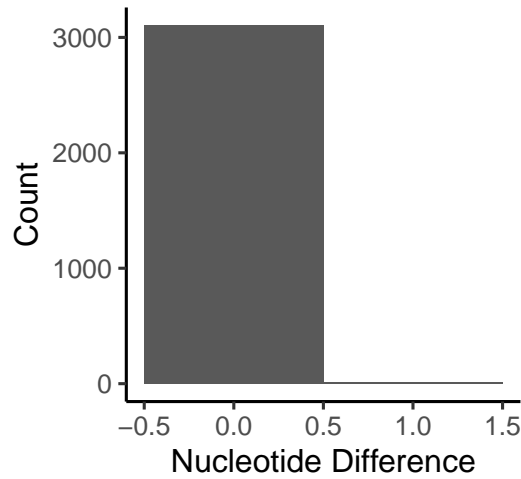
### TRBV21-1\*ap01

6799 sequences assigned  
6719 (98.8%) exact matches, in which:  
6660 unique CDR3  
13 unique J



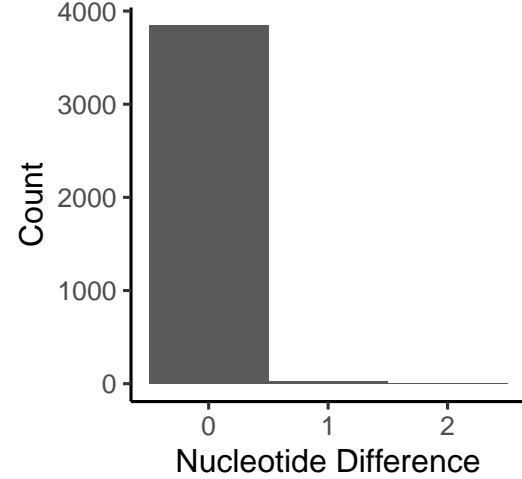
### TRBV11-3\*ap01

3116 sequences assigned  
3104 (99.6%) exact matches, in which:  
3083 unique CDR3  
13 unique J



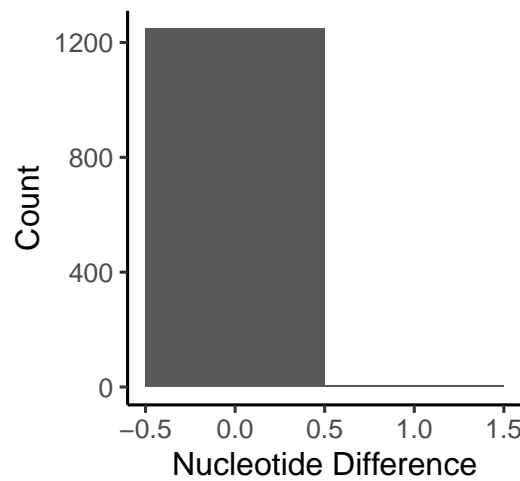
### TRBV12-5\*ap01

3878 sequences assigned  
3846 (99.2%) exact matches, in which:  
3776 unique CDR3  
13 unique J



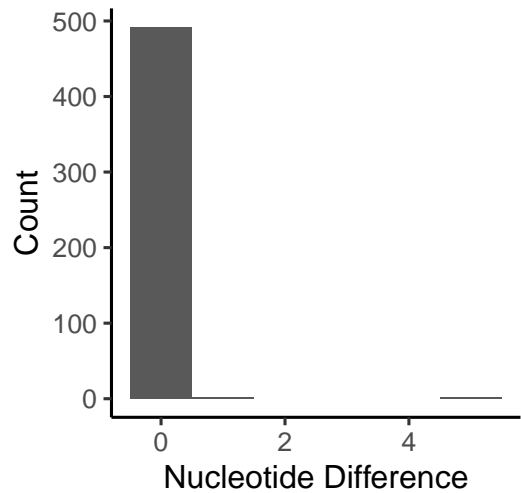
### TRBV11-1\*ap01

1252 sequences assigned  
1248 (99.7%) exact matches, in which:  
1239 unique CDR3  
13 unique J



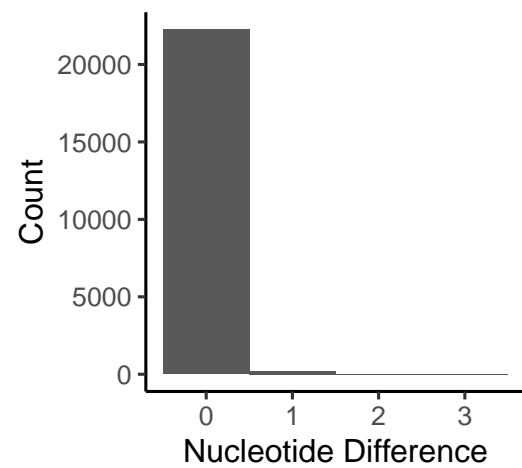
### TRBV12-1\*ap01

496 sequences assigned  
492 (99.2%) exact matches, in which:  
484 unique CDR3  
13 unique J



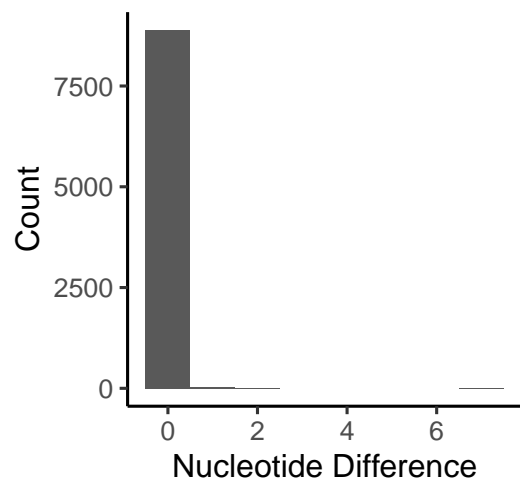
### TRBV12-34\*ap01

22478 sequences assigned  
22261 (99%) exact matches, in which:  
21890 unique CDR3  
13 unique J



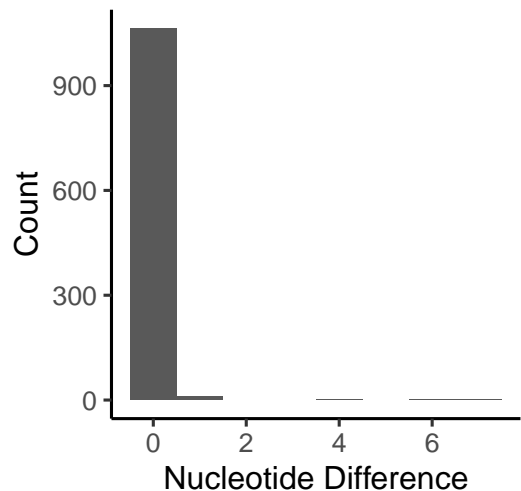
### TRBV11-2\*ap01

8920 sequences assigned  
8888 (99.6%) exact matches, in which:  
8834 unique CDR3  
13 unique J



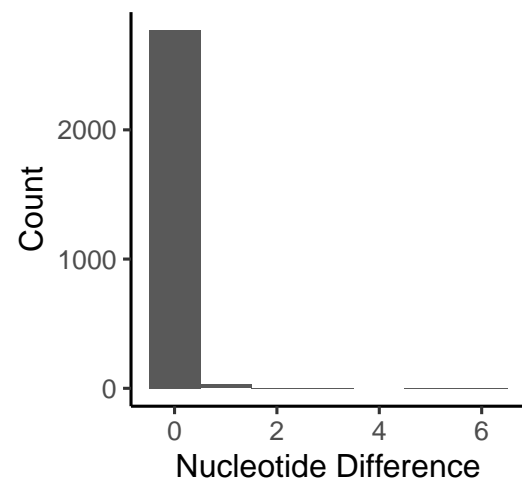
### TRBV12-2\*ap01

1076 sequences assigned  
1064 (98.9%) exact matches, in which:  
1052 unique CDR3  
13 unique J



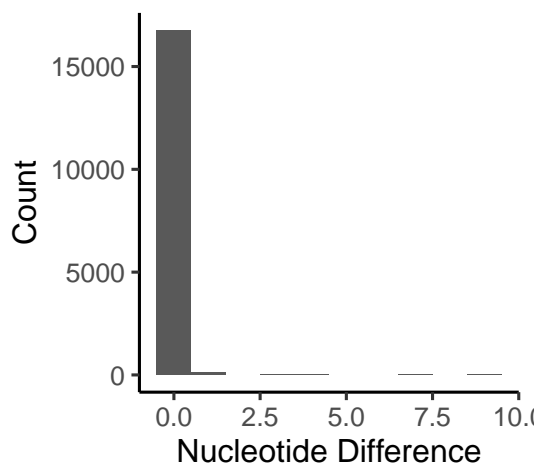
### TRBV23-1\*ap01

2811 sequences assigned  
2772 (98.6%) exact matches, in which:  
2731 unique CDR3  
13 unique J



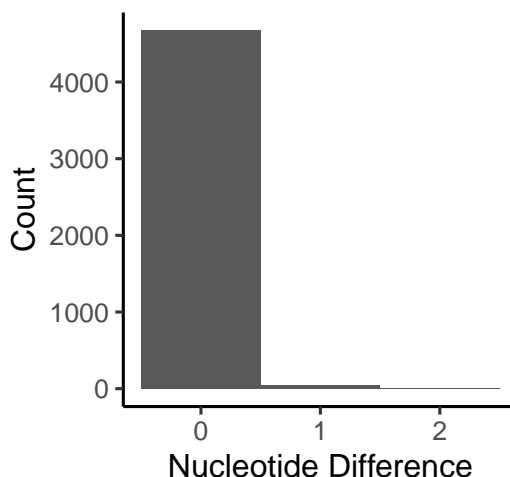
### TRBV3-12\*ap01

16881 sequences assigned  
16770 (99.3%) exact matches, in which:  
16629 unique CDR3  
13 unique J



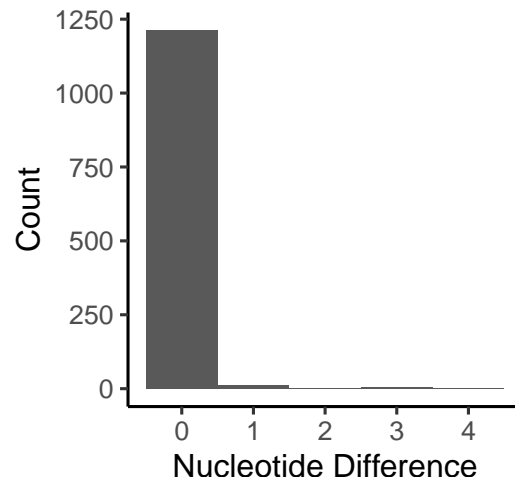
### TRBV4-2\*ap01

4724 sequences assigned  
4673 (98.9%) exact matches, in which:  
4590 unique CDR3  
13 unique J



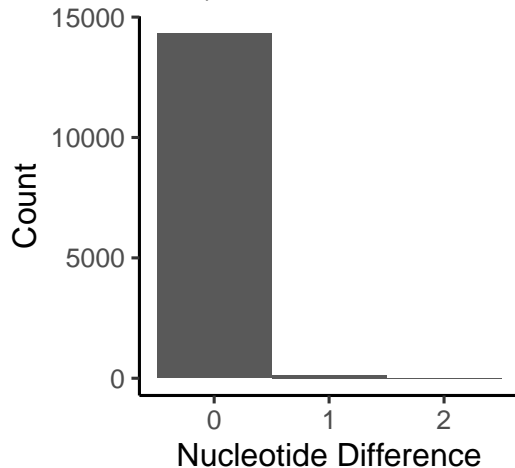
### TRBV5-3\*ap01

1232 sequences assigned  
1212 (98.4%) exact matches, in which:  
1193 unique CDR3  
13 unique J



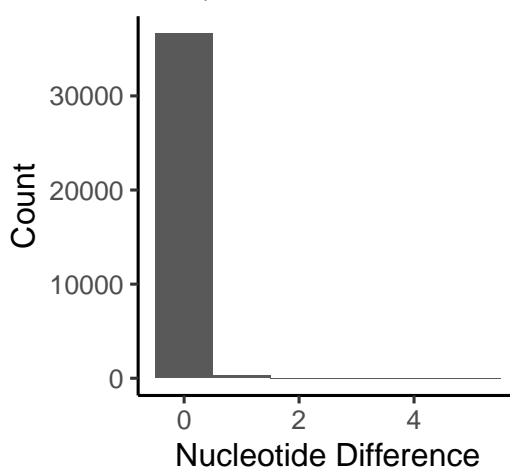
### TRBV4-1\*ap01

14457 sequences assigned  
14320 (99.1%) exact matches, in which:  
14008 unique CDR3  
13 unique J



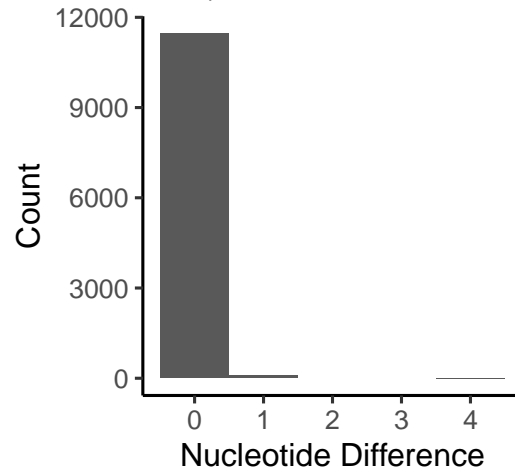
### TRBV5-1\*ap01

36962 sequences assigned  
36634 (99.1%) exact matches, in which:  
35899 unique CDR3  
13 unique J



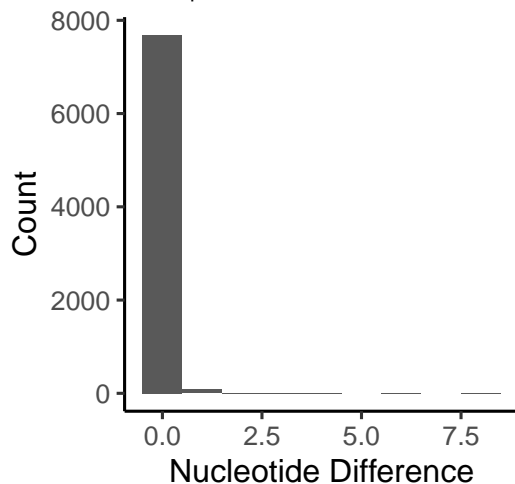
### TRBV5-4\*ap01

11556 sequences assigned  
11463 (99.2%) exact matches, in which:  
11251 unique CDR3  
13 unique J



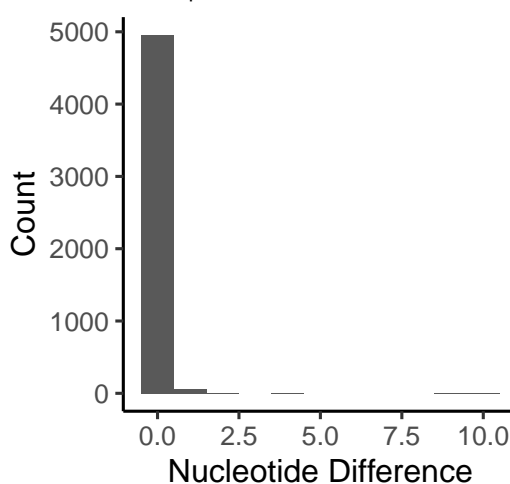
### TRBV24-1\*ap01

7783 sequences assigned  
7684 (98.7%) exact matches, in which:  
7546 unique CDR3  
13 unique J



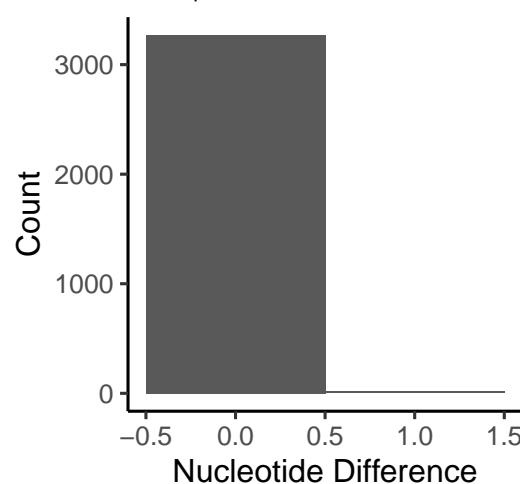
### TRBV25-1\*ap01

5019 sequences assigned  
4955 (98.7%) exact matches, in which:  
4833 unique CDR3  
13 unique J



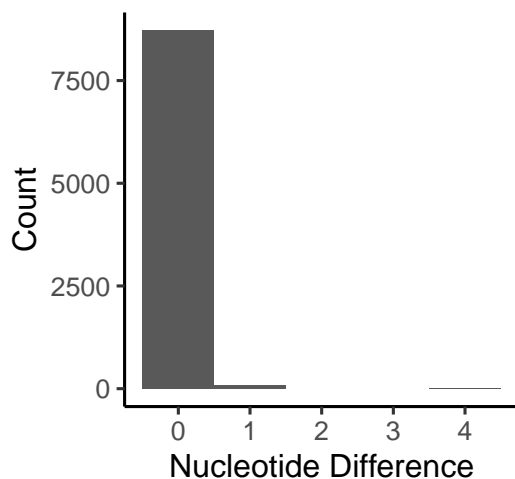
### TRBV5-5\*ap01

3286 sequences assigned  
3270 (99.5%) exact matches, in which:  
3244 unique CDR3  
13 unique J



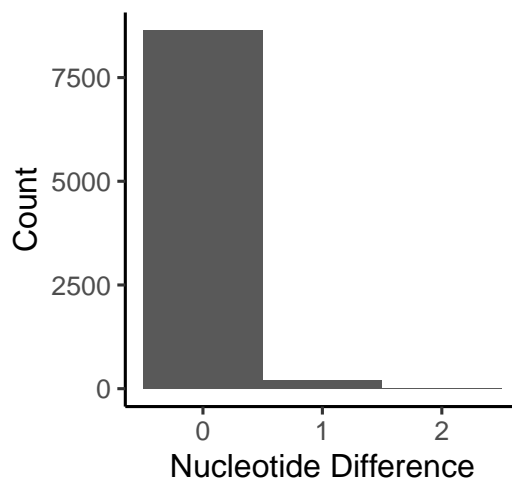
### TRBV5-6\*ap01

8806 sequences assigned  
8721 (99%) exact matches, in which:  
8489 unique CDR3  
13 unique J



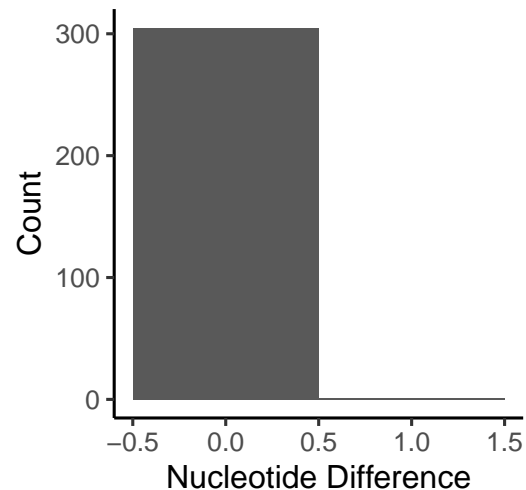
### TRBV6-1\*ap01

8845 sequences assigned  
8637 (97.6%) exact matches, in which:  
8456 unique CDR3  
13 unique J



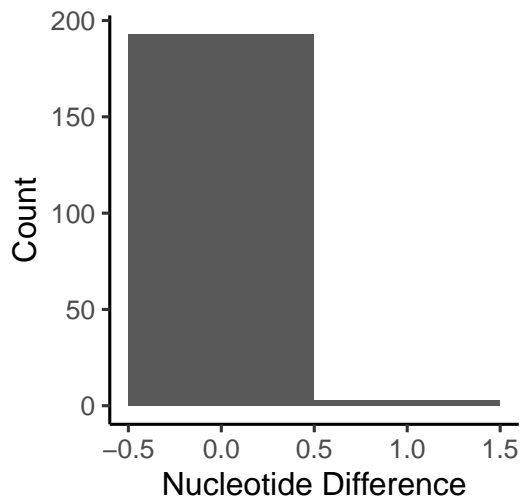
### TRBV6-8\*ap01

306 sequences assigned  
305 (99.7%) exact matches, in which:  
299 unique CDR3  
13 unique J



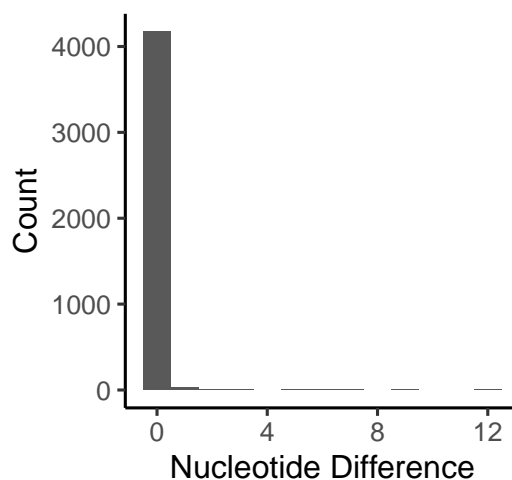
### TRBV5-7\*ap01

196 sequences assigned  
193 (98.5%) exact matches, in which:  
187 unique CDR3  
13 unique J



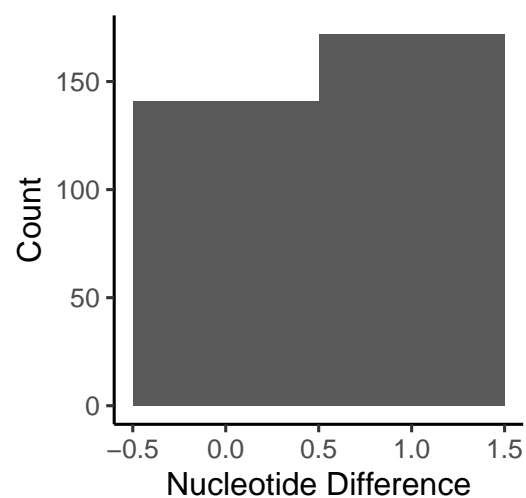
### TRBV6-4\*ap01

4218 sequences assigned  
4172 (98.9%) exact matches, in which:  
4112 unique CDR3  
13 unique J



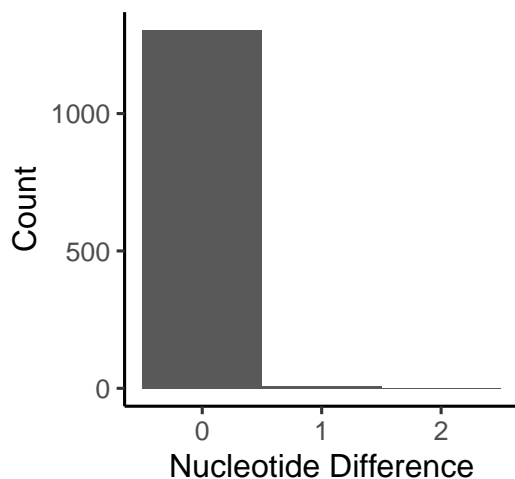
### TRBV6-9\*ap01

313 sequences assigned  
141 (45%) exact matches, in which:  
140 unique CDR3  
12 unique J



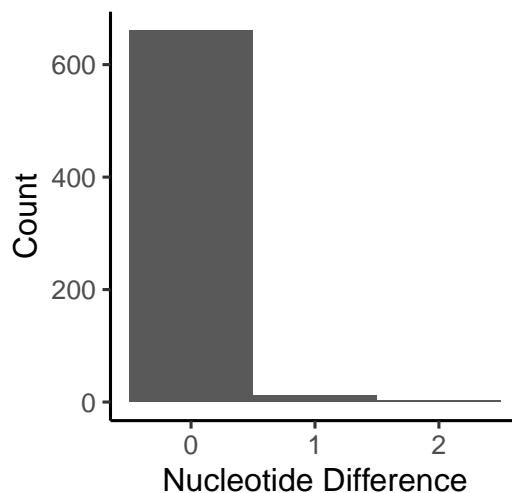
### TRBV5-8\*ap01

1314 sequences assigned  
1304 (99.2%) exact matches, in which:  
1279 unique CDR3  
13 unique J



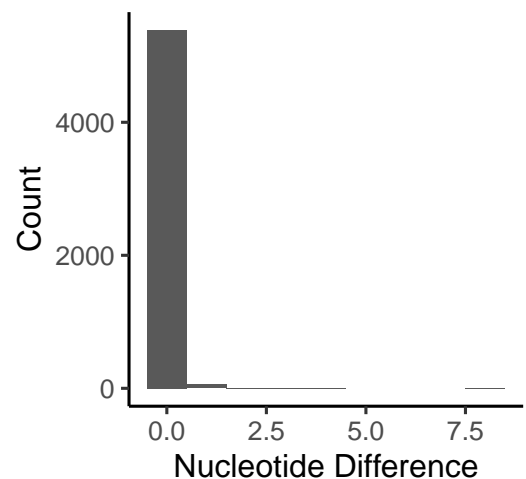
### TRBV6-7\*ap01

675 sequences assigned  
661 (97.9%) exact matches, in which:  
641 unique CDR3  
13 unique J



### TRBV6-23\*ap01

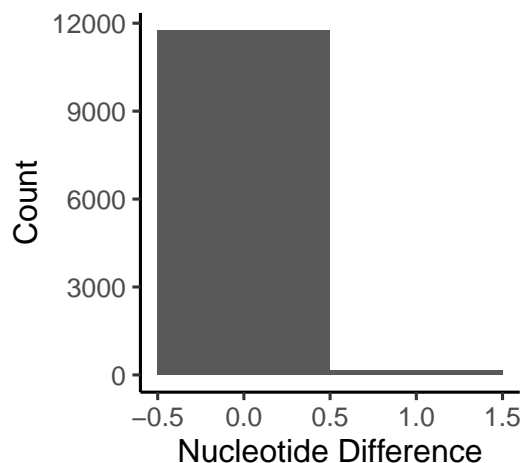
5448 sequences assigned  
5387 (98.9%) exact matches, in which:  
5229 unique CDR3  
13 unique J





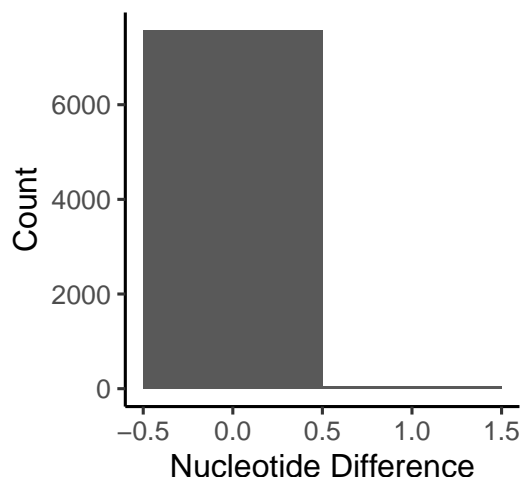
### TRBV6-56\*ap01

11920 sequences assigned  
11763 (98.7%) exact matches, in which:  
11462 unique CDR3  
13 unique J



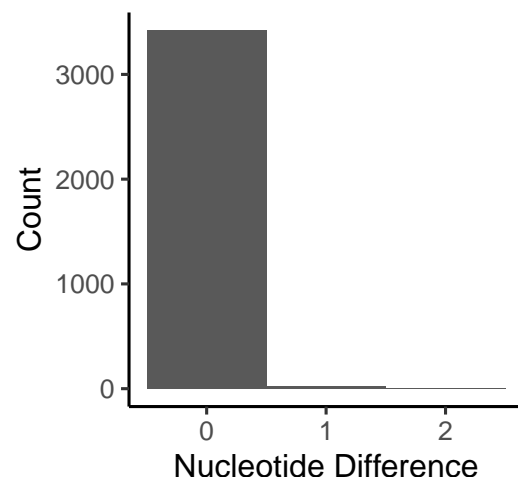
### TRBV7-2\*ap01

7628 sequences assigned  
7570 (99.2%) exact matches, in which:  
7450 unique CDR3  
13 unique J



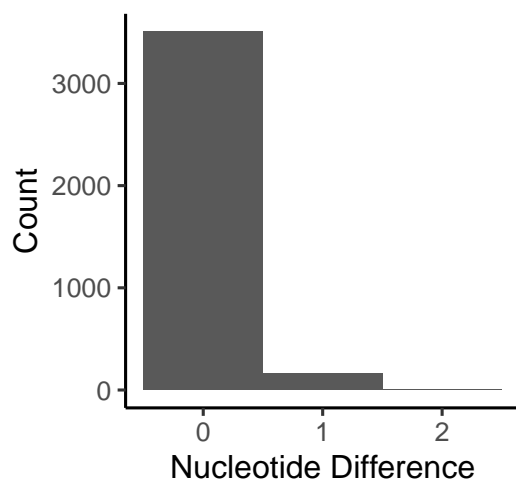
### TRBV7-6\*ap01

3447 sequences assigned  
3420 (99.2%) exact matches, in which:  
3354 unique CDR3  
13 unique J



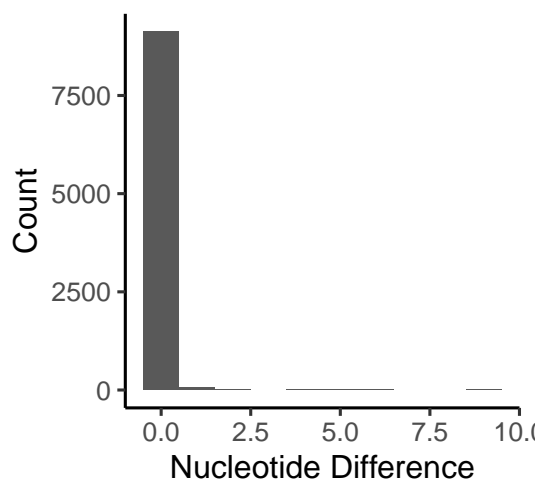
### TRBV6-56\*ap02

3674 sequences assigned  
3506 (95.4%) exact matches, in which:  
3410 unique CDR3  
13 unique J



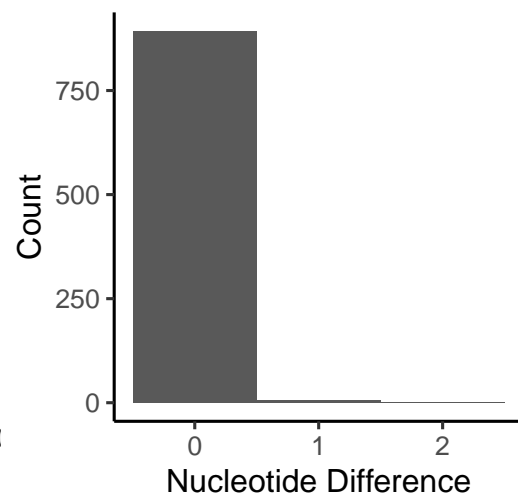
### TRBV7-3\*ap01

9188 sequences assigned  
9124 (99.3%) exact matches, in which:  
9027 unique CDR3  
13 unique J



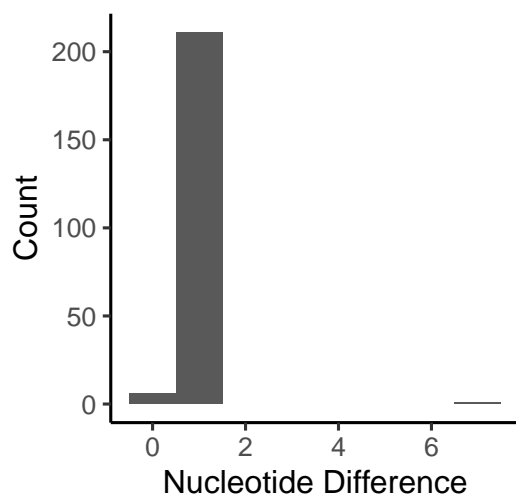
### TRBV7-7\*ap01

900 sequences assigned  
893 (99.2%) exact matches, in which:  
879 unique CDR3  
13 unique J



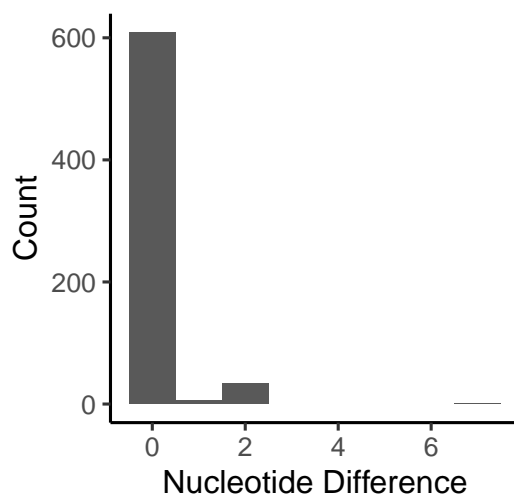
### TRBV7-1\*ap01\_T296C

218 sequences assigned  
6 (2.8%) exact matches, in which:  
6 unique CDR3  
4 unique J



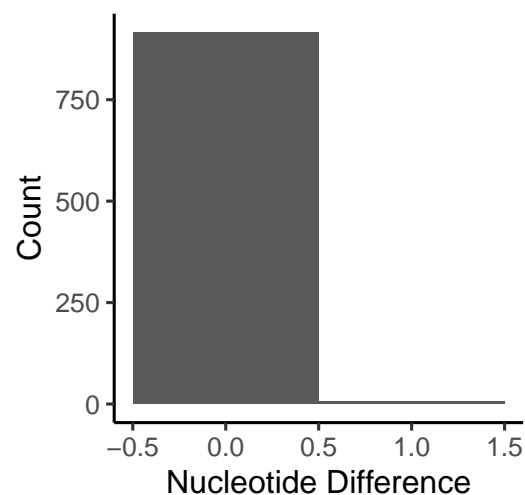
### TRBV7-4\*ap01

650 sequences assigned  
609 (93.7%) exact matches, in which:  
602 unique CDR3  
13 unique J



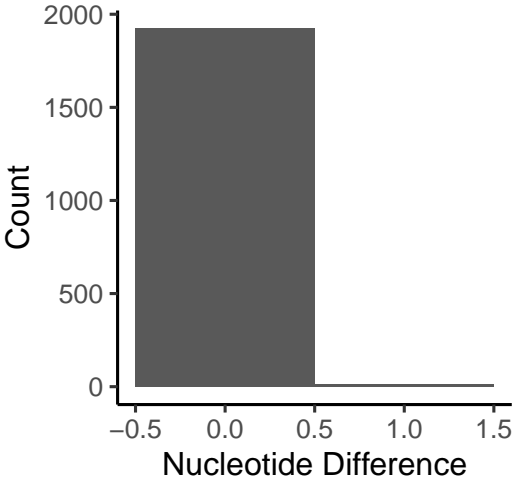
### TRBV7-7\*ap01\_C315T

923 sequences assigned  
916 (99.2%) exact matches, in which:  
900 unique CDR3  
13 unique J



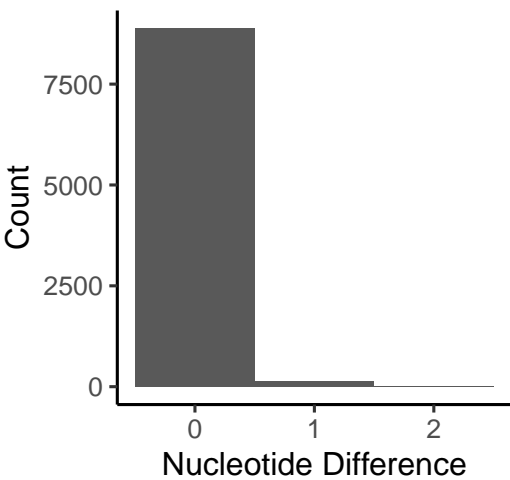
TRBV7-8\*ap01

1938 sequences assigned  
1924 (99.3%) exact matches, in which:  
1885 unique CDR3  
13 unique J



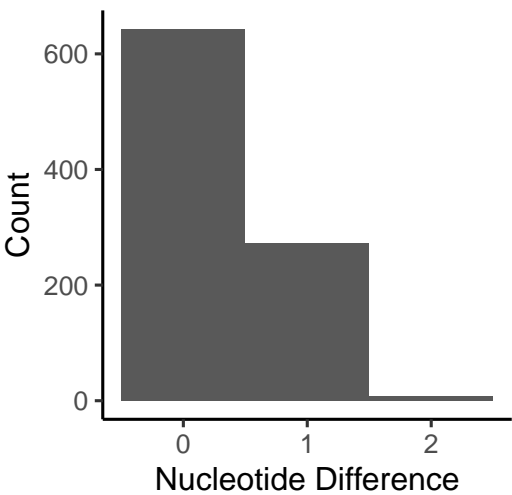
TRBV29-1\*ap01

9015 sequences assigned  
8881 (98.5%) exact matches, in which:  
8636 unique CDR3  
13 unique J



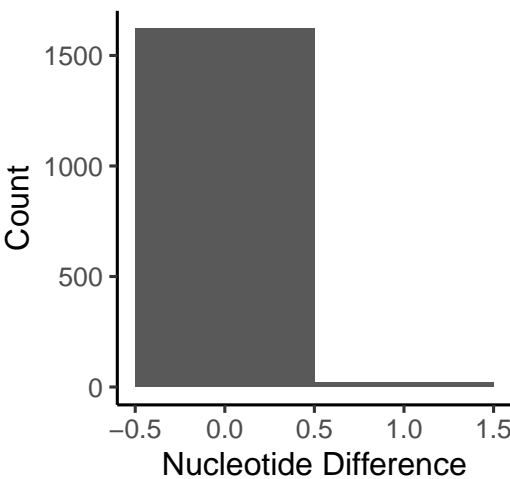
TRBV7-8\*ap03

922 sequences assigned  
643 (69.7%) exact matches, in which:  
631 unique CDR3  
13 unique J



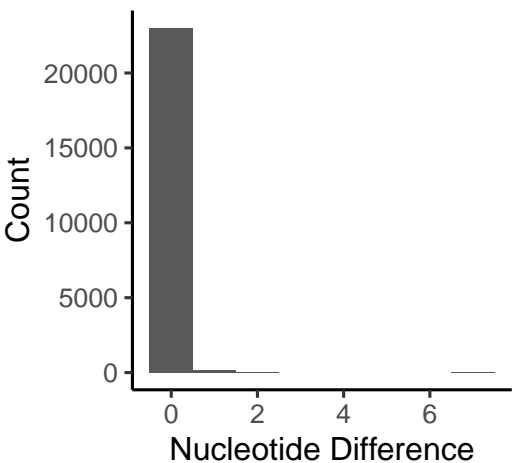
TRBV29-1\*ap02

1643 sequences assigned  
1621 (98.7%) exact matches, in which:  
1578 unique CDR3  
13 unique J

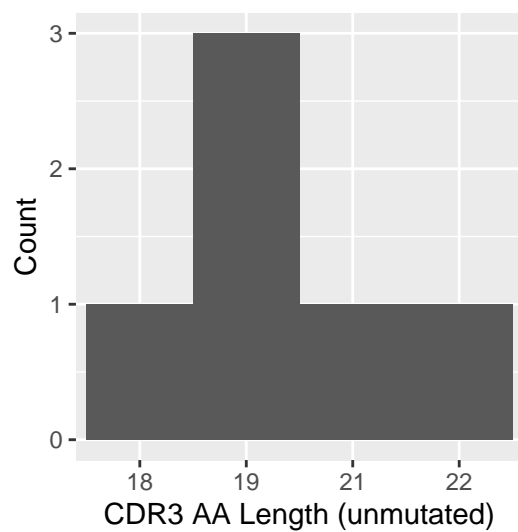


TRBV7-9\*ap01

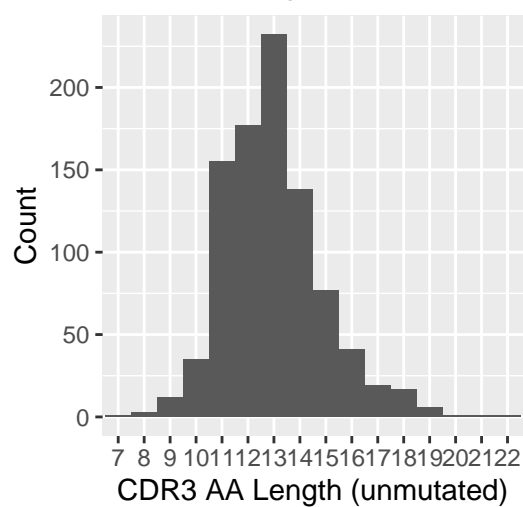
23188 sequences assigned  
23019 (99.3%) exact matches, in which:  
22728 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.