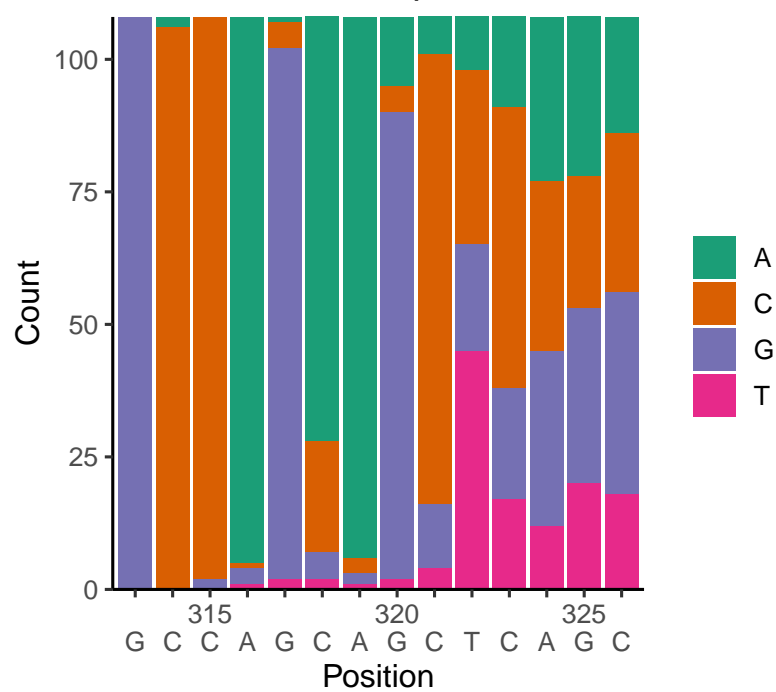
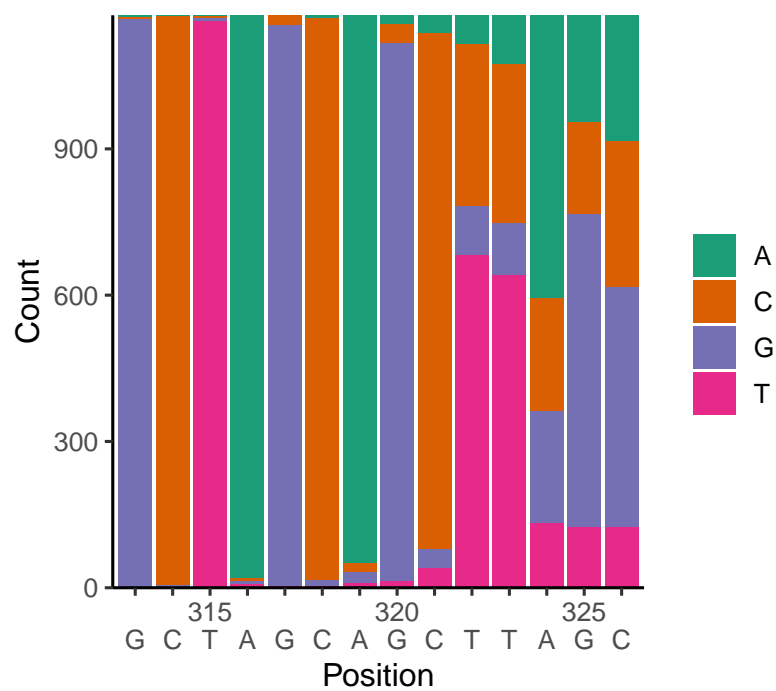


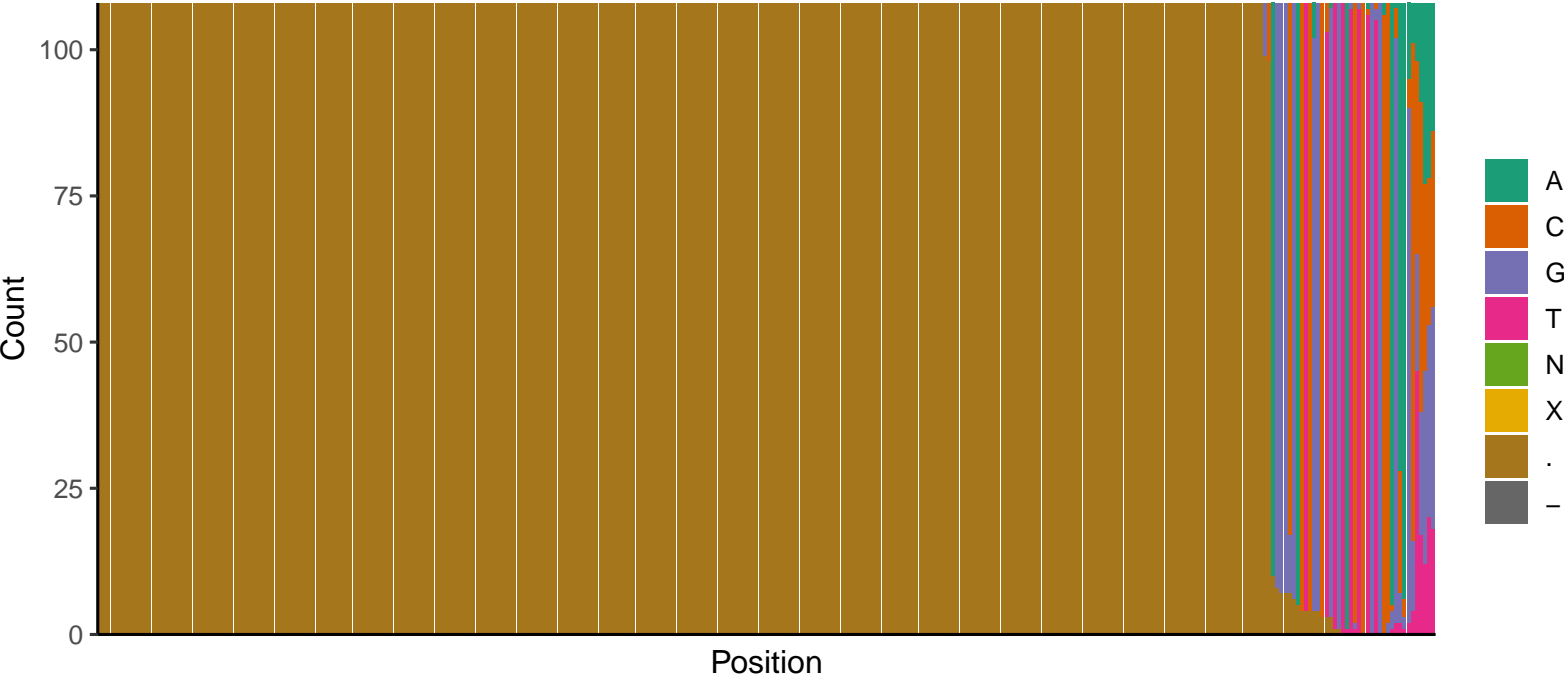
Gene TRBV7-1\*ap01\_T296C



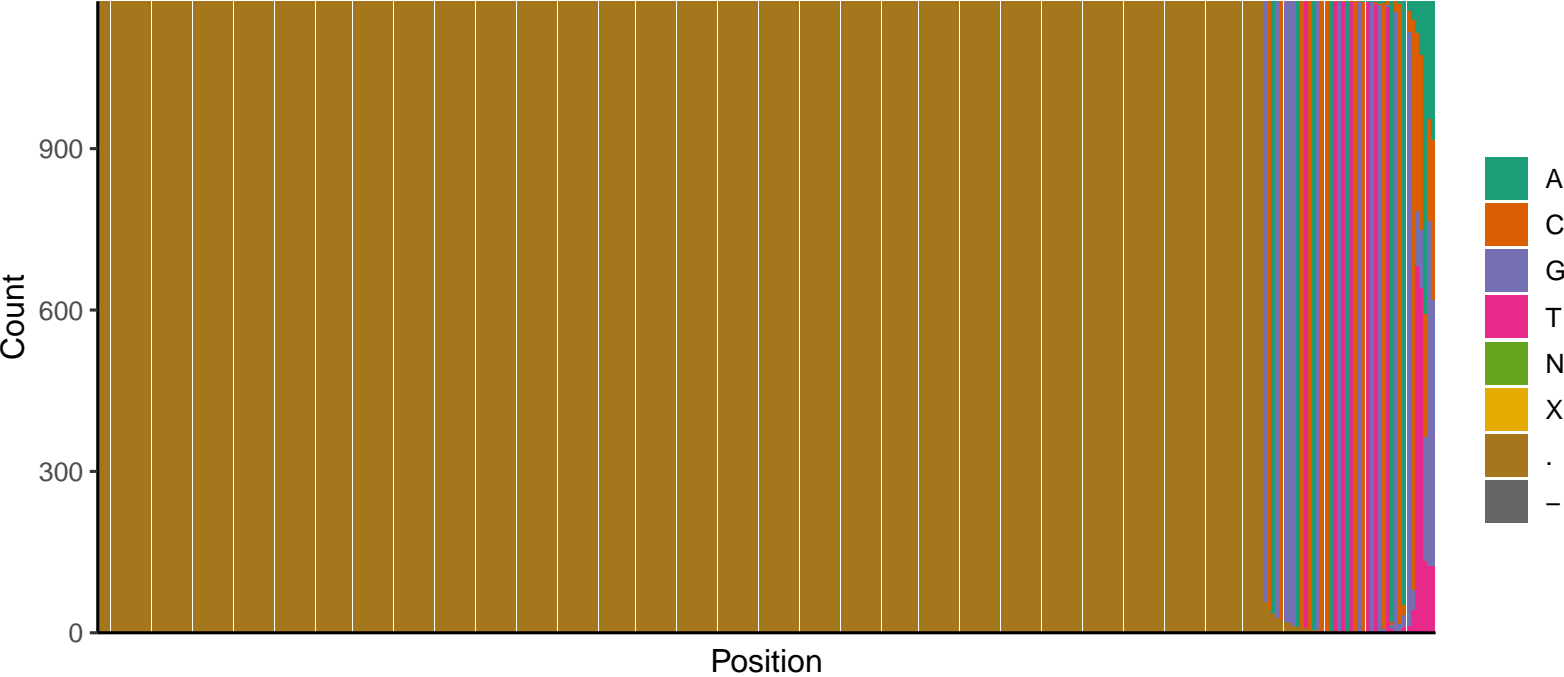
Gene TRBV7-7\*ap01\_C315T



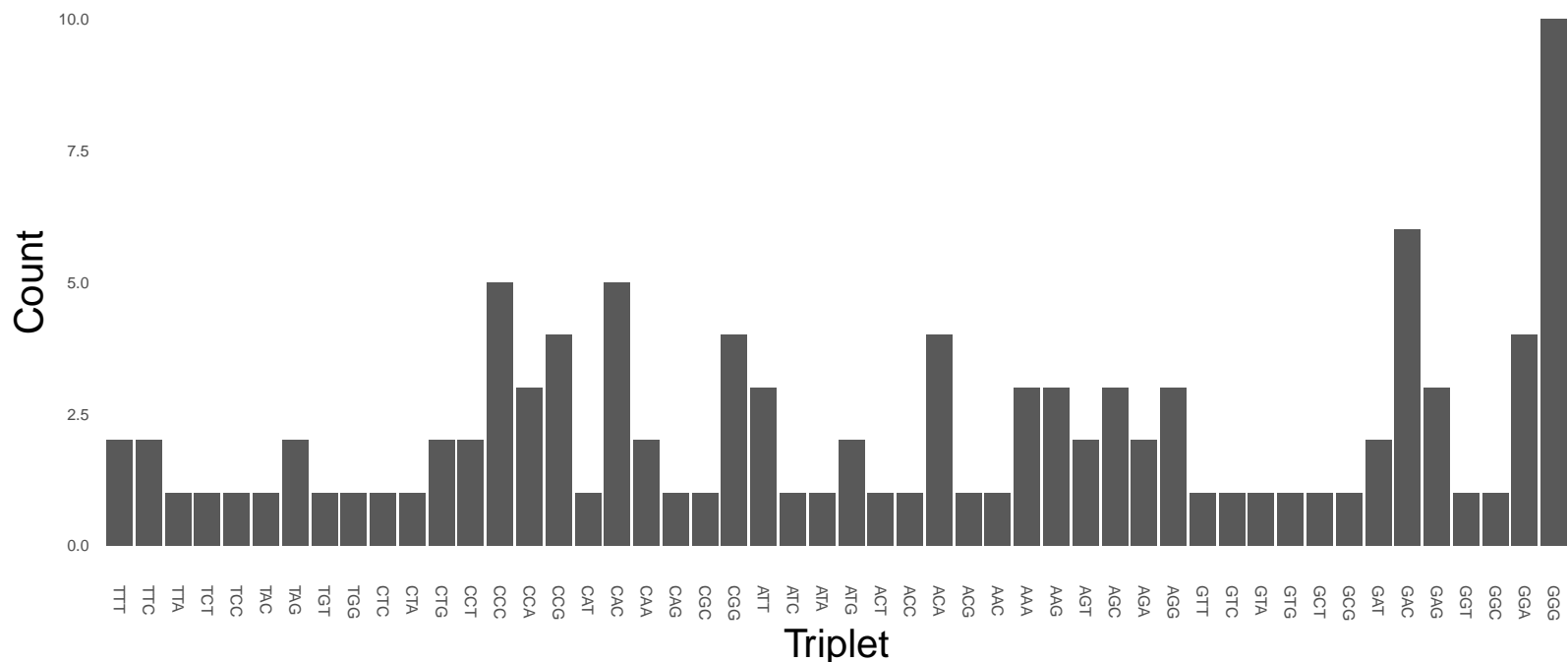
Gene TRBV7-1\*ap01\_T296C



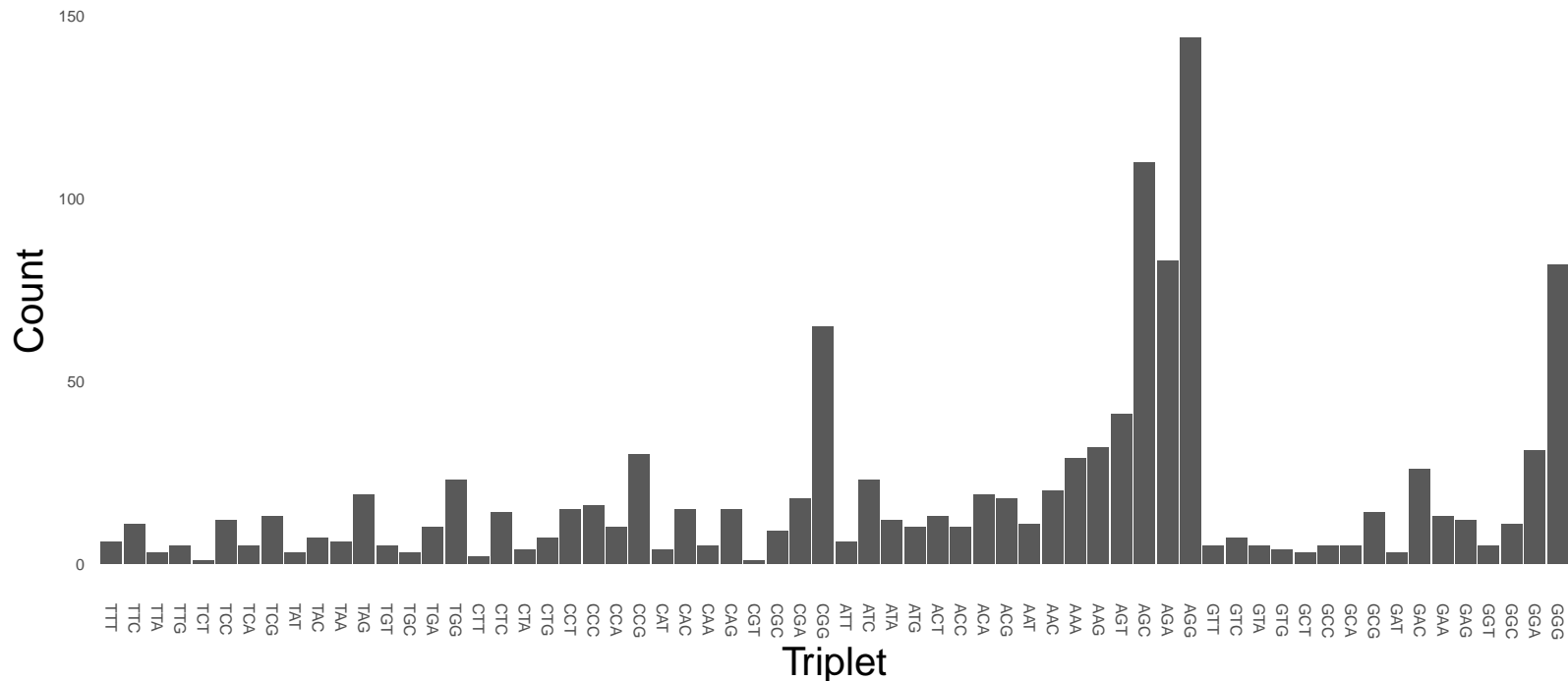
Gene TRBV7-7\*ap01\_C315T



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

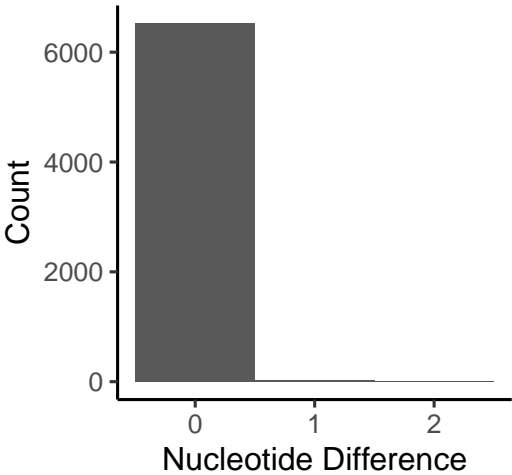


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



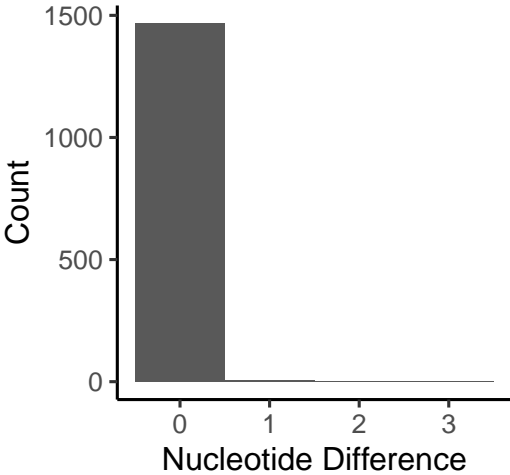
TRBV20-1\*ap01

6552 sequences assigned  
6524 (99.6%) exact matches, in which:  
6472 unique CDR3  
13 unique J



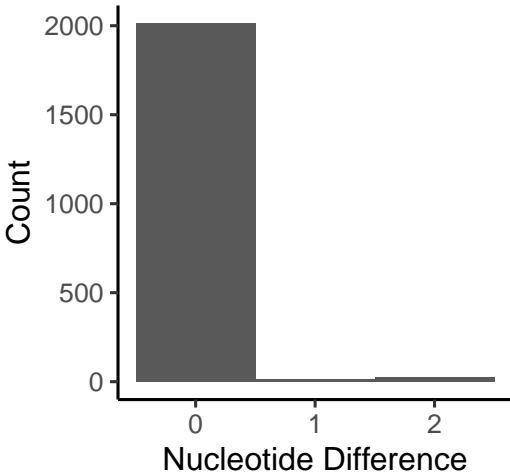
TRBV10-2\*ap01

1475 sequences assigned  
1467 (99.5%) exact matches, in which:  
1445 unique CDR3  
13 unique J



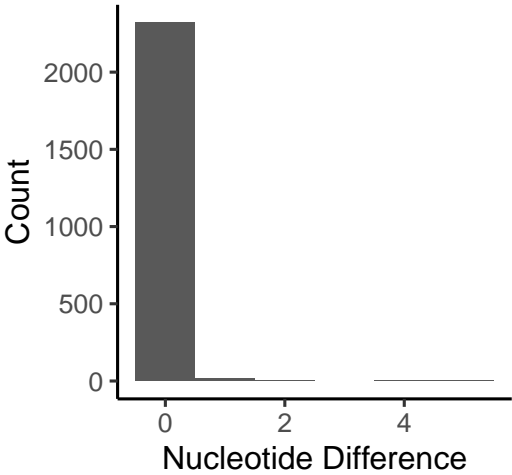
TRBV13\*ap01

2056 sequences assigned  
2013 (97.9%) exact matches, in which:  
1962 unique CDR3  
13 unique J



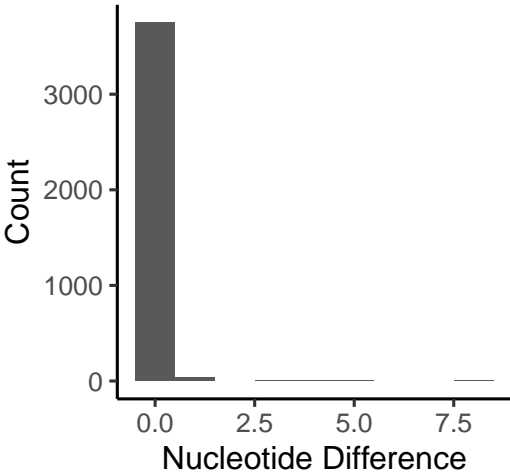
TRBV10-1\*ap01

2338 sequences assigned  
2320 (99.2%) exact matches, in which:  
2285 unique CDR3  
13 unique J



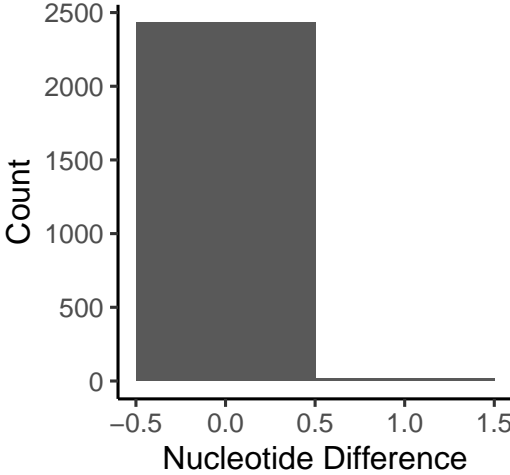
TRBV10-3\*ap01

3791 sequences assigned  
3748 (98.9%) exact matches, in which:  
3696 unique CDR3  
13 unique J



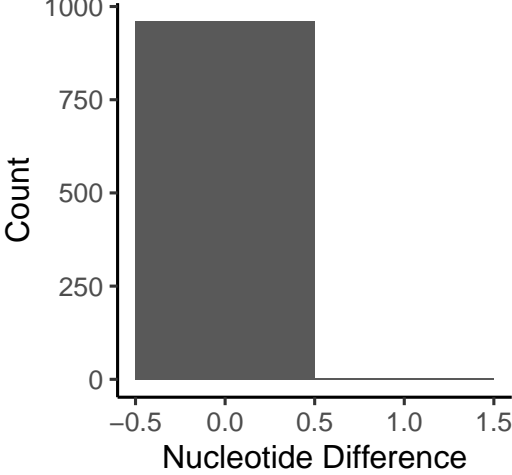
TRBV14\*ap01

2446 sequences assigned  
2431 (99.4%) exact matches, in which:  
2407 unique CDR3  
13 unique J



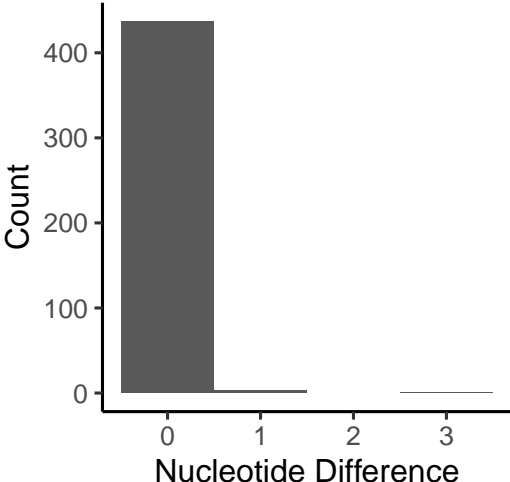
TRBV20-1\*ap02

965 sequences assigned  
961 (99.6%) exact matches, in which:  
958 unique CDR3  
13 unique J



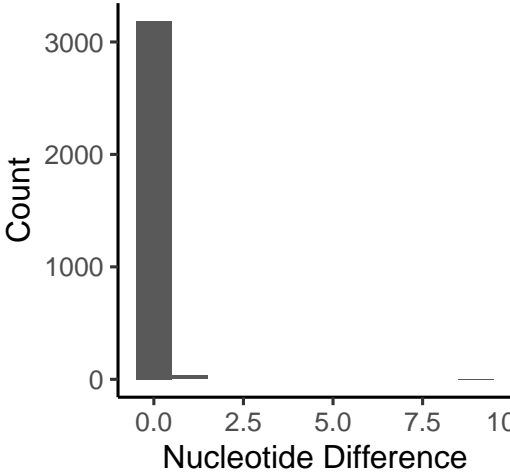
TRBV1\*ap01

441 sequences assigned  
437 (99.1%) exact matches, in which:  
430 unique CDR3  
13 unique J



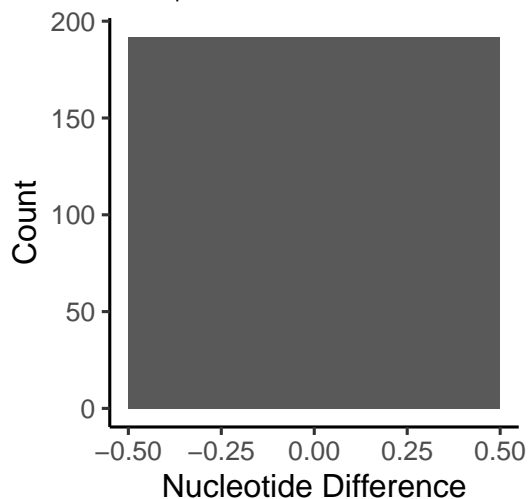
TRBV15\*ap02

3220 sequences assigned  
3186 (98.9%) exact matches, in which:  
3129 unique CDR3  
13 unique J



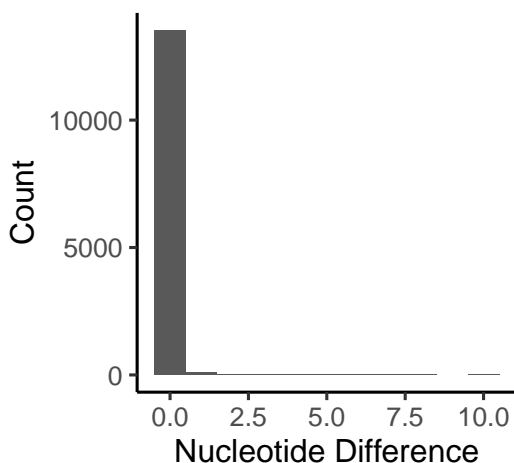
### TRBV16\*ap01

192 sequences assigned  
192 (100%) exact matches, in which:  
191 unique CDR3  
11 unique J



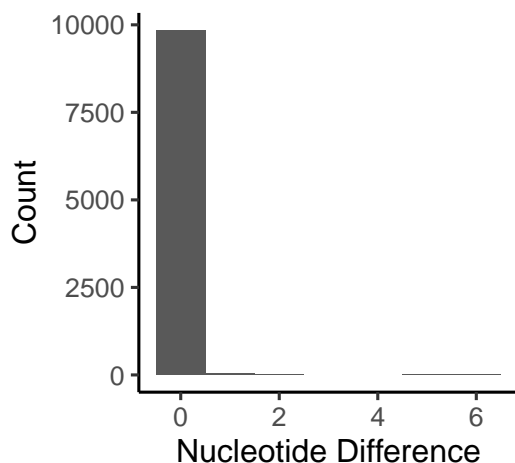
### TRBV19\*ap01

13636 sequences assigned  
13530 (99.2%) exact matches, in which:  
13455 unique CDR3  
13 unique J



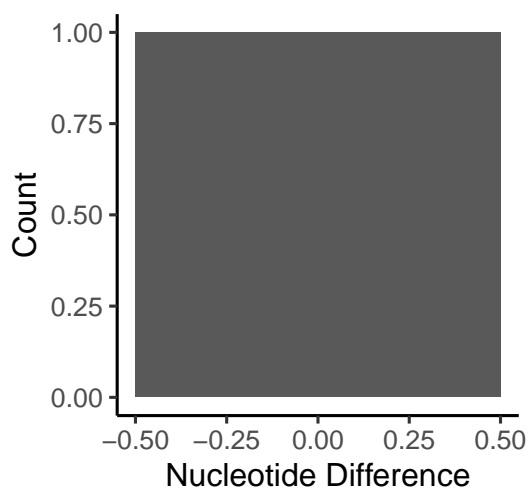
### TRBV28\*ap01

9902 sequences assigned  
9848 (99.5%) exact matches, in which:  
9763 unique CDR3  
13 unique J



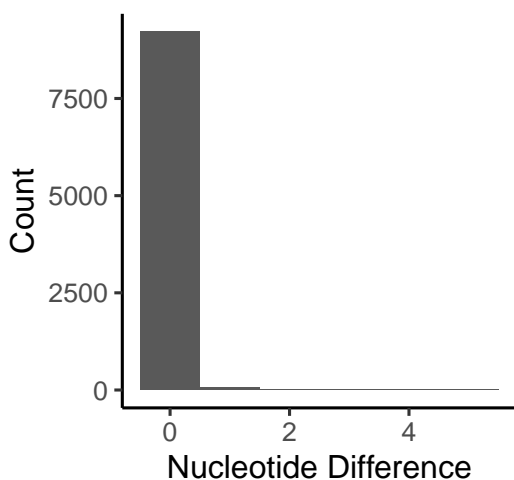
### TRBV17\*ap01

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



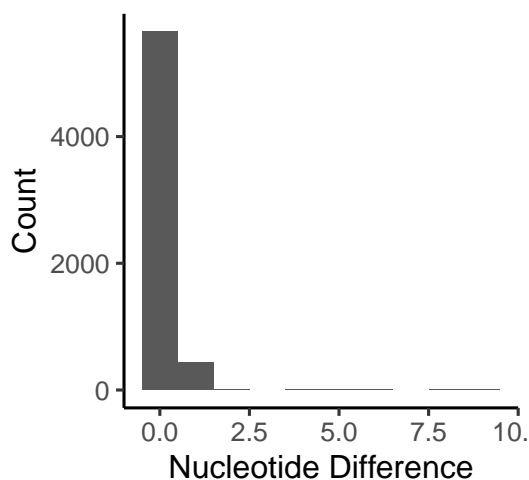
### TRBV2\*ap01

9296 sequences assigned  
9217 (99.2%) exact matches, in which:  
9071 unique CDR3  
13 unique J



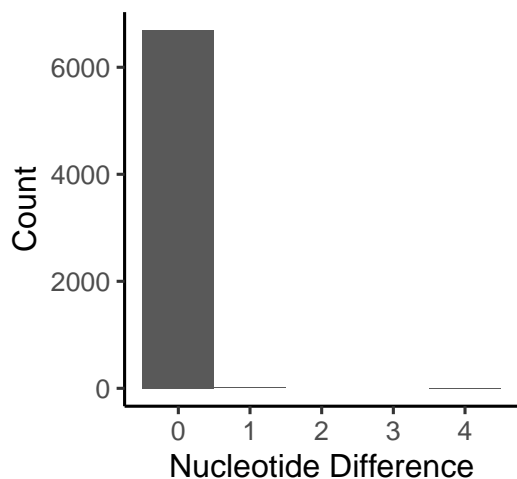
### TRBV30\*ap01

6101 sequences assigned  
5655 (92.7%) exact matches, in which:  
5426 unique CDR3  
13 unique J



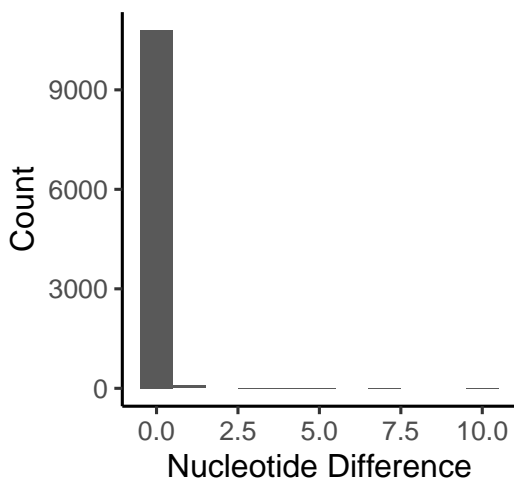
### TRBV18\*ap01

6712 sequences assigned  
6696 (99.8%) exact matches, in which:  
6658 unique CDR3  
13 unique J



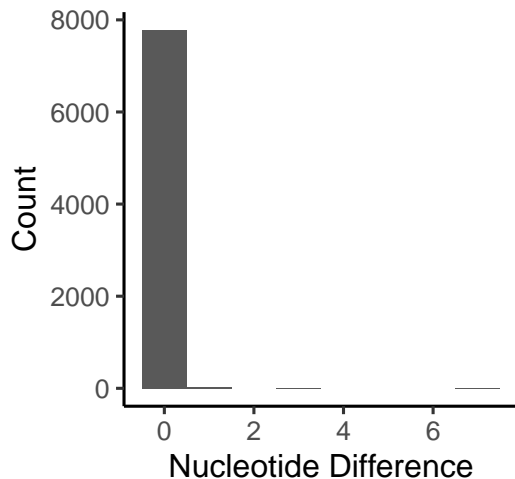
### TRBV27\*ap01

10894 sequences assigned  
10803 (99.2%) exact matches, in which:  
10681 unique CDR3  
13 unique J



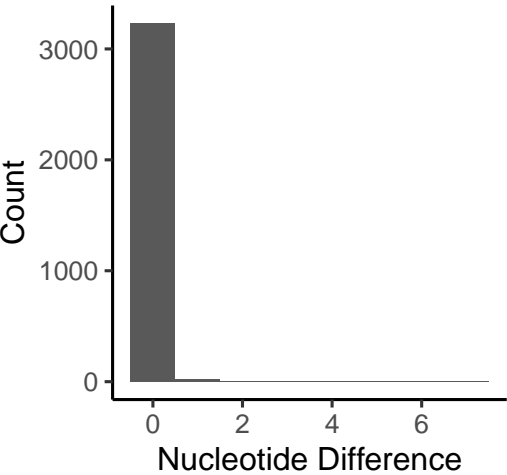
### TRBV9\*ap01

7815 sequences assigned  
7779 (99.5%) exact matches, in which:  
7721 unique CDR3  
13 unique J



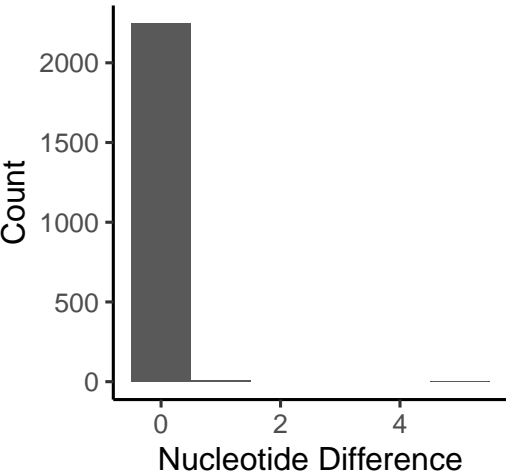
TRBV21-1\*ap01

3273 sequences assigned  
3230 (98.7%) exact matches, in which:  
3217 unique CDR3  
13 unique J



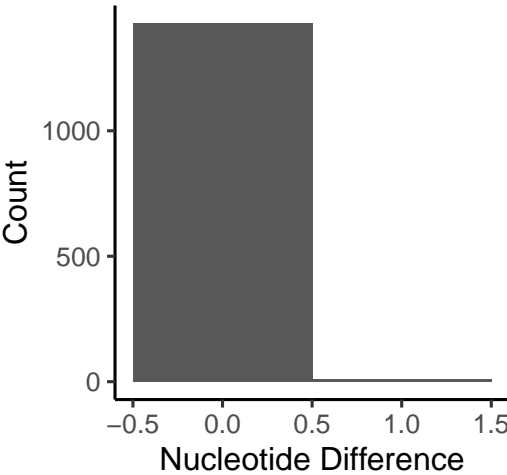
TRBV11-3\*ap01

2257 sequences assigned  
2247 (99.6%) exact matches, in which:  
2243 unique CDR3  
13 unique J



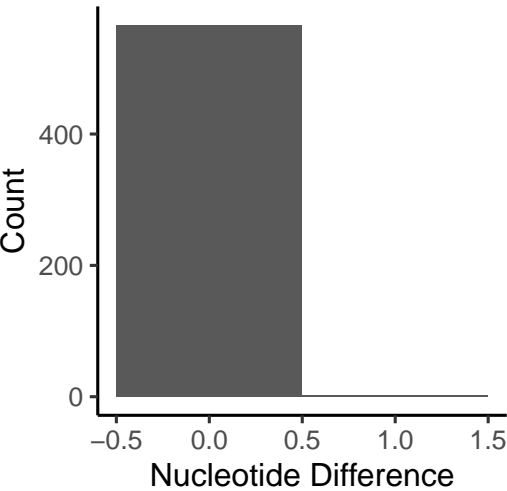
TRBV12-5\*ap01

1439 sequences assigned  
1428 (99.2%) exact matches, in which:  
1412 unique CDR3  
13 unique J



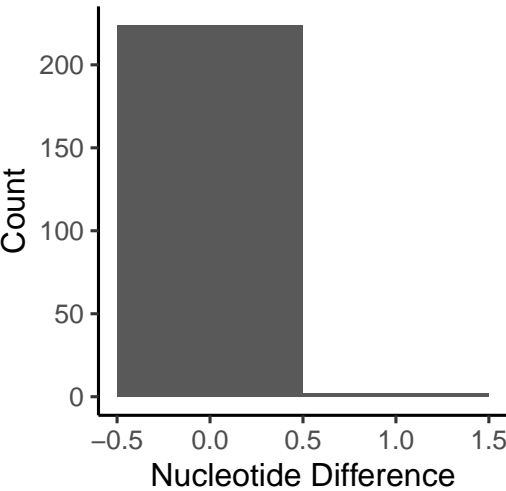
TRBV11-1\*ap01

568 sequences assigned  
566 (99.6%) exact matches, in which:  
562 unique CDR3  
13 unique J



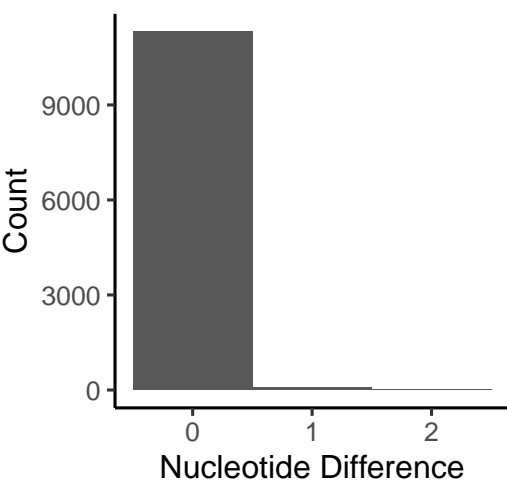
TRBV12-1\*ap01

226 sequences assigned  
224 (99.1%) exact matches, in which:  
219 unique CDR3  
13 unique J



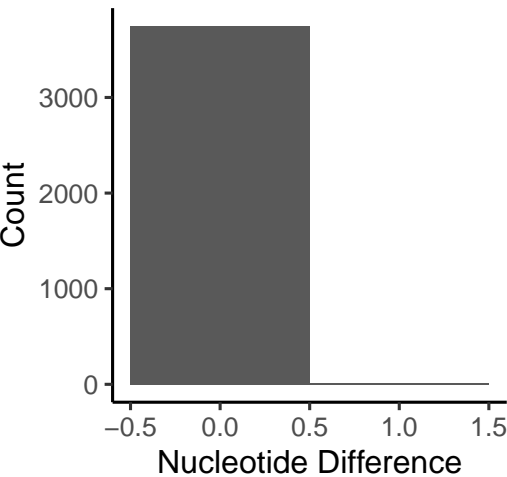
TRBV12-34\*ap01

11384 sequences assigned  
11311 (99.4%) exact matches, in which:  
11175 unique CDR3  
14 unique J



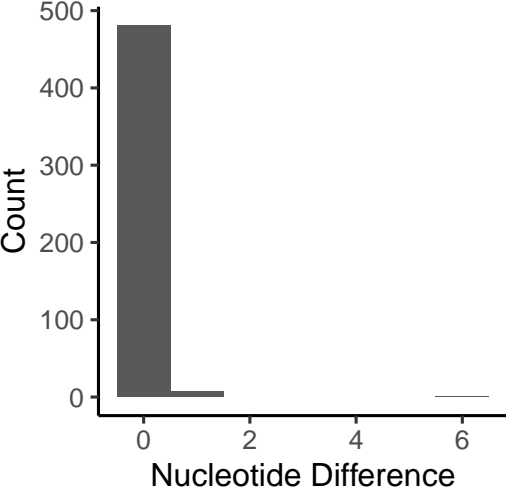
TRBV11-2\*ap01

3759 sequences assigned  
3747 (99.7%) exact matches, in which:  
3725 unique CDR3  
13 unique J



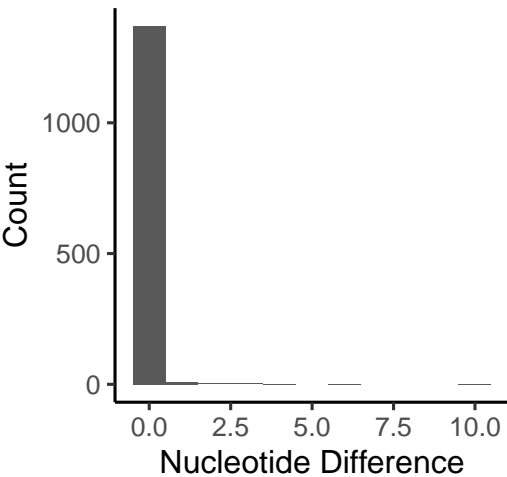
TRBV12-2\*ap01

489 sequences assigned  
481 (98.4%) exact matches, in which:  
477 unique CDR3  
13 unique J



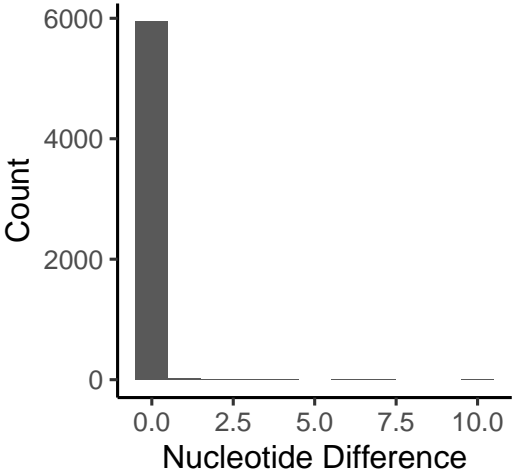
TRBV23-1\*ap01

1389 sequences assigned  
1370 (98.6%) exact matches, in which:  
1359 unique CDR3  
13 unique J



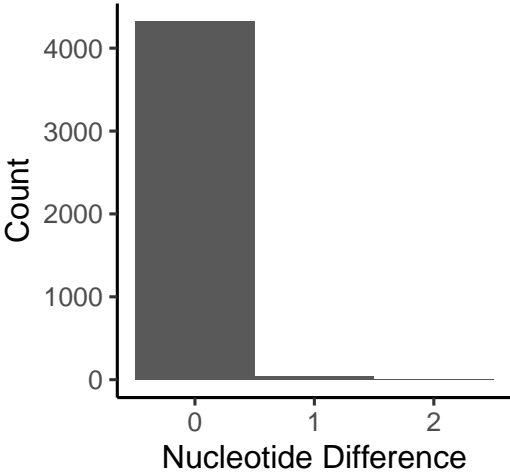
TRBV3-12\*ap01

5985 sequences assigned  
5948 (99.4%) exact matches, in which:  
5909 unique CDR3  
13 unique J



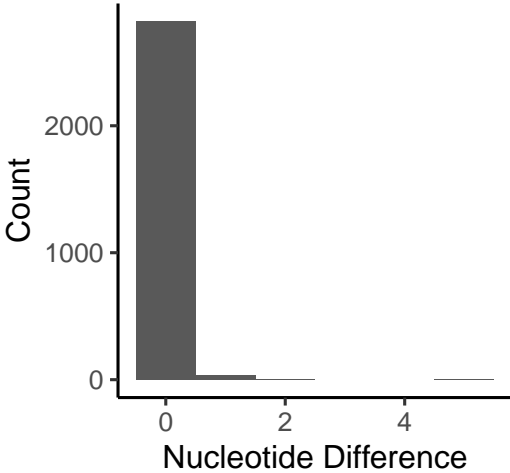
TRBV4-2\*ap01

4361 sequences assigned  
4323 (99.1%) exact matches, in which:  
4262 unique CDR3  
13 unique J



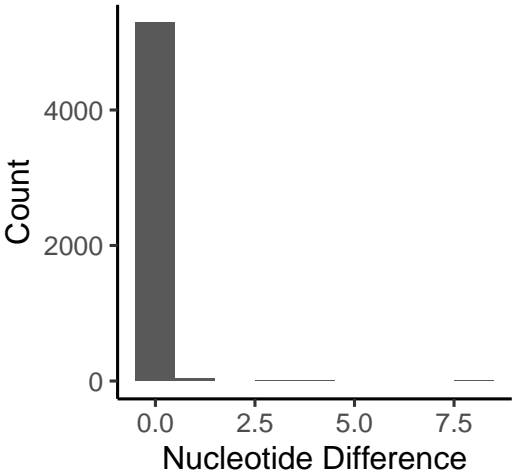
TRBV25-1\*ap01

2859 sequences assigned  
2822 (98.7%) exact matches, in which:  
2748 unique CDR3  
13 unique J



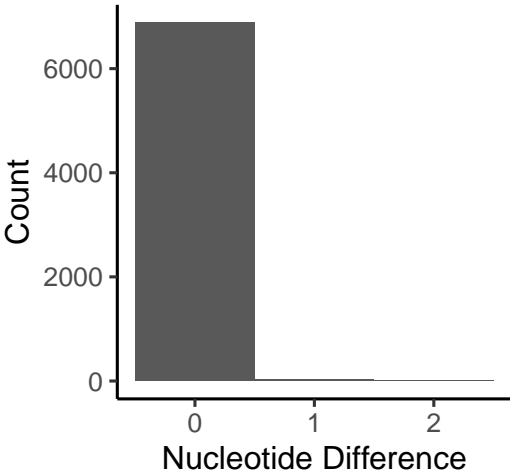
TRBV4-1\*ap01

5324 sequences assigned  
5288 (99.3%) exact matches, in which:  
5194 unique CDR3  
13 unique J



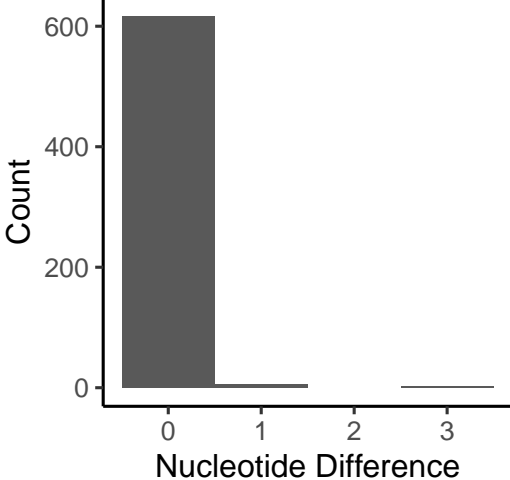
TRBV4-3\*ap01

6921 sequences assigned  
6882 (99.4%) exact matches, in which:  
6809 unique CDR3  
13 unique J



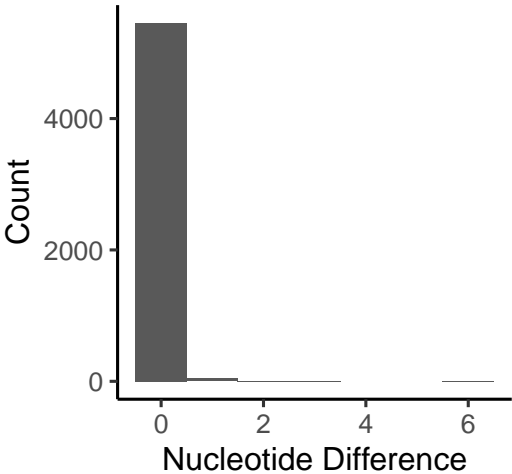
TRBV5-3\*ap01

626 sequences assigned  
617 (98.6%) exact matches, in which:  
612 unique CDR3  
13 unique J



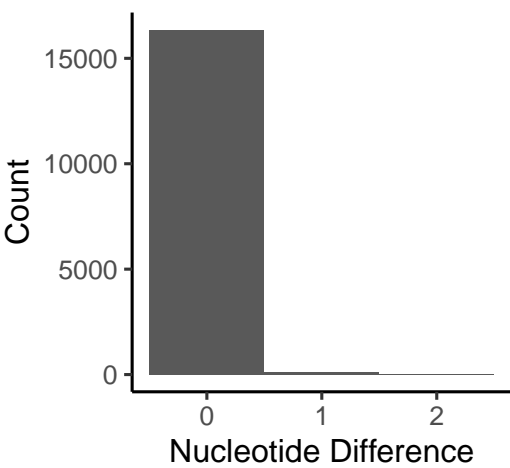
TRBV24-1\*ap01

5509 sequences assigned  
5454 (99%) exact matches, in which:  
5374 unique CDR3  
13 unique J



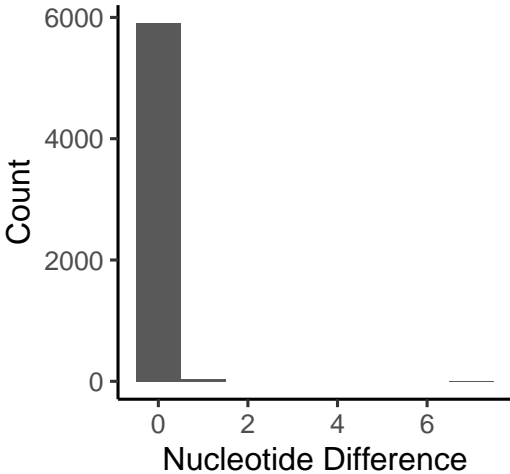
TRBV5-1\*ap01

16465 sequences assigned  
16354 (99.3%) exact matches, in which:  
16087 unique CDR3  
13 unique J



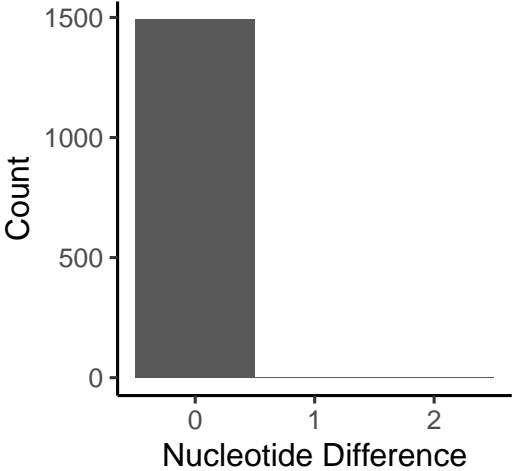
TRBV5-4\*ap01

5946 sequences assigned  
5907 (99.3%) exact matches, in which:  
5825 unique CDR3  
13 unique J



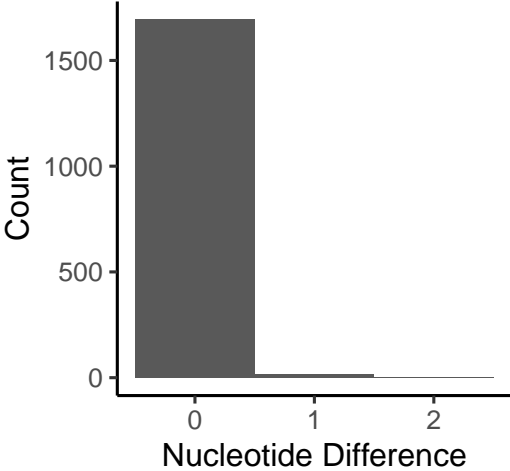
TRBV5-5\*ap01

1497 sequences assigned  
1492 (99.7%) exact matches, in which:  
1488 unique CDR3  
13 unique J



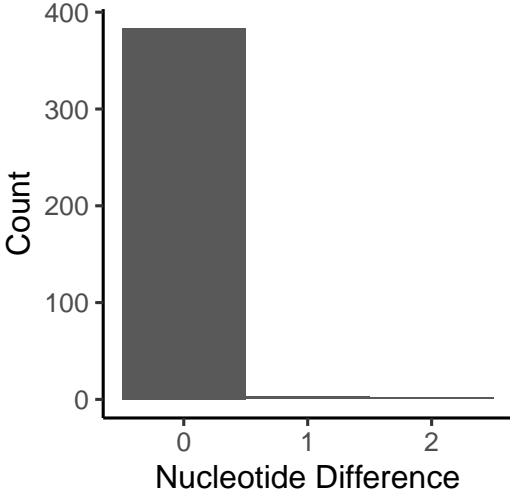
TRBV5-8\*ap01

1714 sequences assigned  
1694 (98.8%) exact matches, in which:  
1674 unique CDR3  
13 unique J



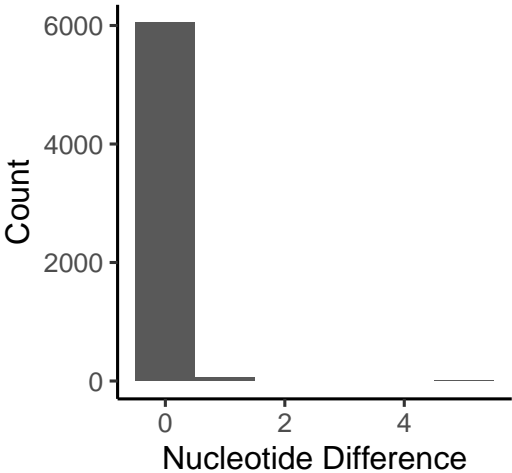
TRBV6-7\*ap01

389 sequences assigned  
384 (98.7%) exact matches, in which:  
379 unique CDR3  
13 unique J



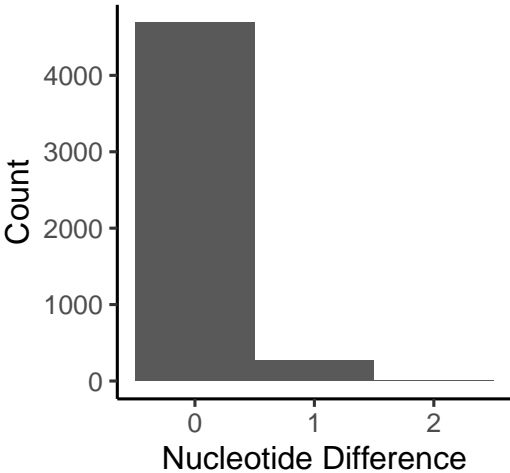
TRBV5-6\*ap01

6111 sequences assigned  
6047 (99%) exact matches, in which:  
5925 unique CDR3  
13 unique J



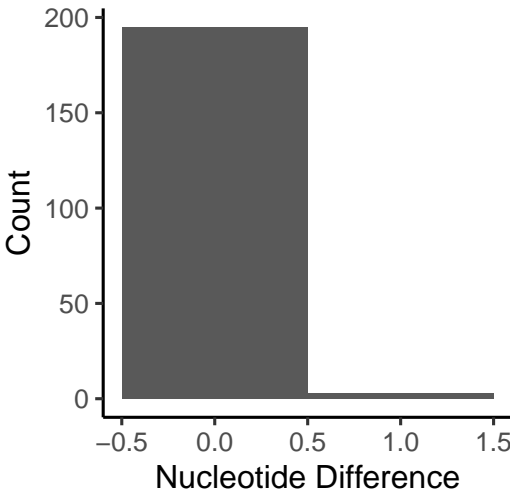
TRBV6-1\*ap01

4965 sequences assigned  
4689 (94.4%) exact matches, in which:  
4595 unique CDR3  
13 unique J



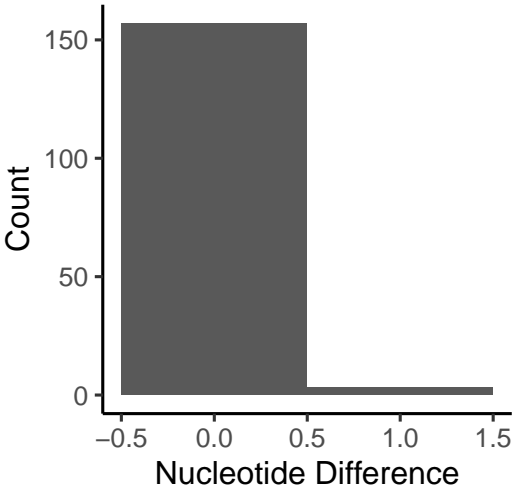
TRBV6-8\*ap01

198 sequences assigned  
195 (98.5%) exact matches, in which:  
193 unique CDR3  
13 unique J



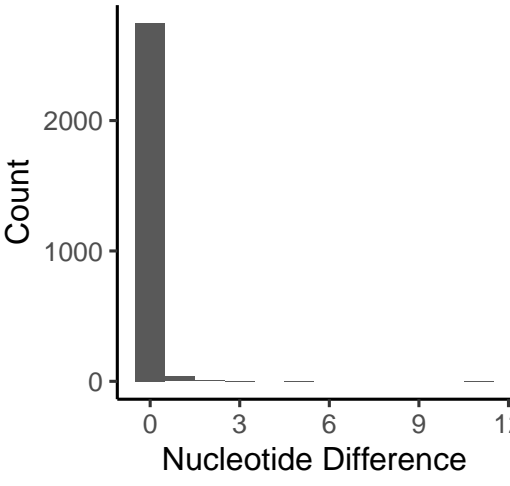
TRBV5-7\*ap01

160 sequences assigned  
157 (98.1%) exact matches, in which:  
152 unique CDR3  
13 unique J



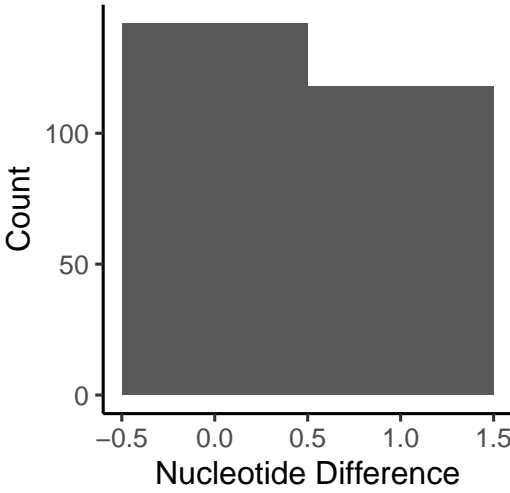
TRBV6-4\*ap01

2796 sequences assigned  
2748 (98.3%) exact matches, in which:  
2720 unique CDR3  
13 unique J



TRBV6-9\*ap01

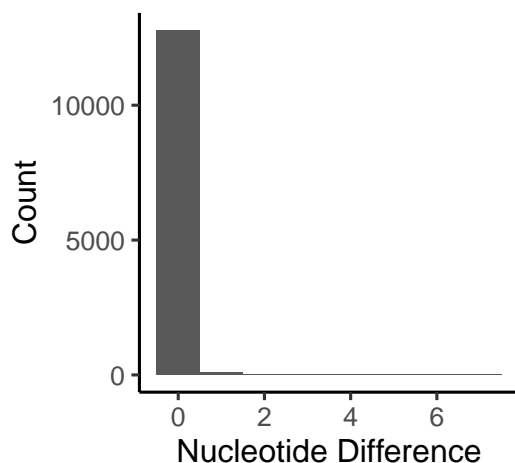
260 sequences assigned  
142 (54.6%) exact matches, in which:  
139 unique CDR3  
12 unique J





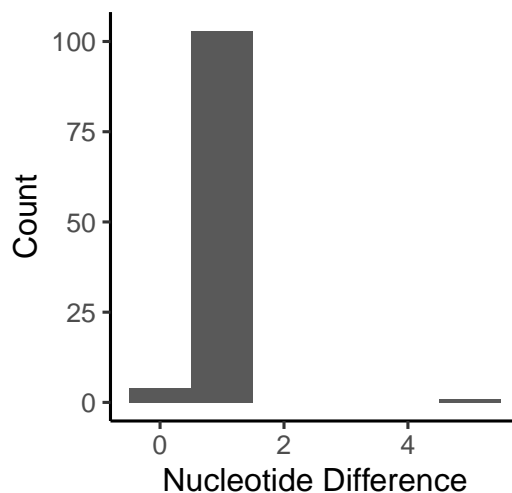
### TRBV6-23\*ap01

12886 sequences assigned  
12783 (99.2%) exact matches, in which:  
12468 unique CDR3  
13 unique J



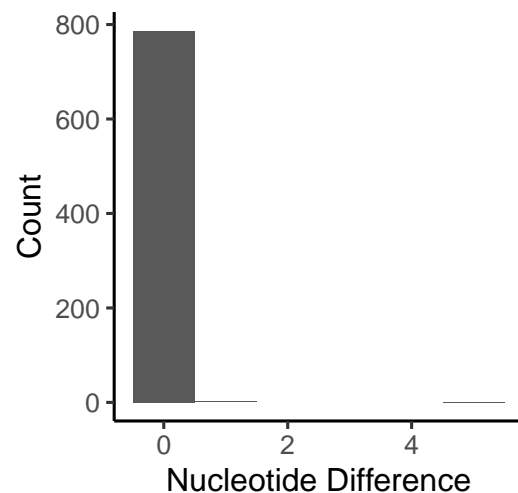
### TRBV7-1\*ap01\_T296C

108 sequences assigned  
4 (3.7%) exact matches, in which:  
4 unique CDR3  
4 unique J



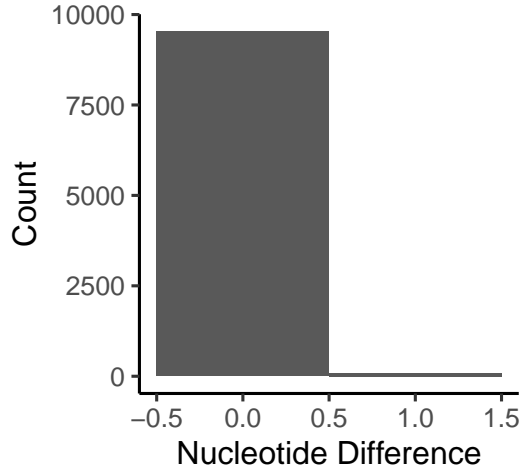
### TRBV7-3\*ap03

790 sequences assigned  
787 (99.6%) exact matches, in which:  
783 unique CDR3  
13 unique J



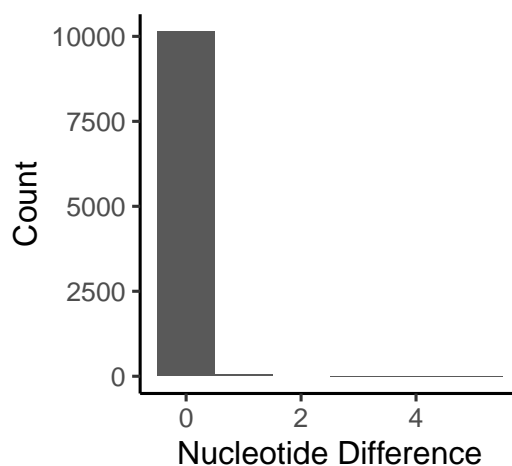
### TRBV6-56\*ap01

9617 sequences assigned  
9532 (99.1%) exact matches, in which:  
9324 unique CDR3  
13 unique J



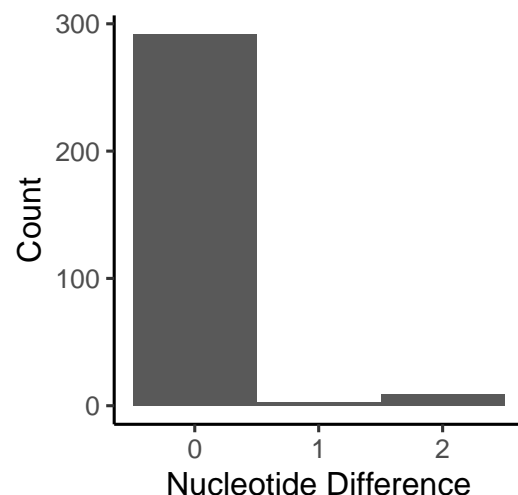
### TRBV7-2\*ap01

10198 sequences assigned  
10144 (99.5%) exact matches, in which:  
10055 unique CDR3  
13 unique J



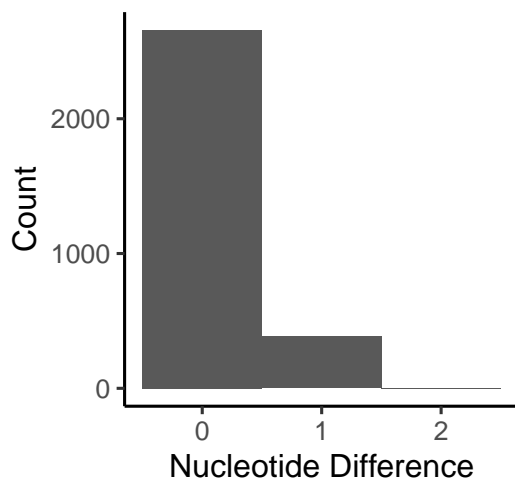
### TRBV7-4\*ap01

304 sequences assigned  
292 (96.1%) exact matches, in which:  
289 unique CDR3  
13 unique J



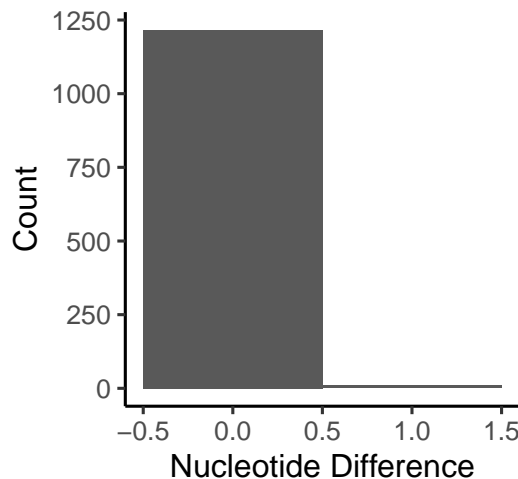
### TRBV6-56\*ap02

3043 sequences assigned  
2658 (87.3%) exact matches, in which:  
2599 unique CDR3  
13 unique J



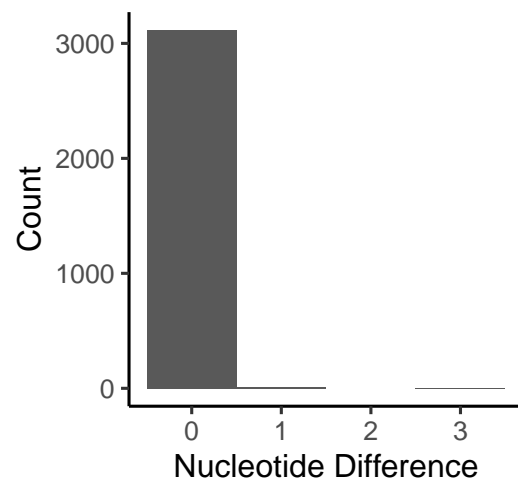
### TRBV7-3\*ap01

1226 sequences assigned  
1216 (99.2%) exact matches, in which:  
1207 unique CDR3  
13 unique J



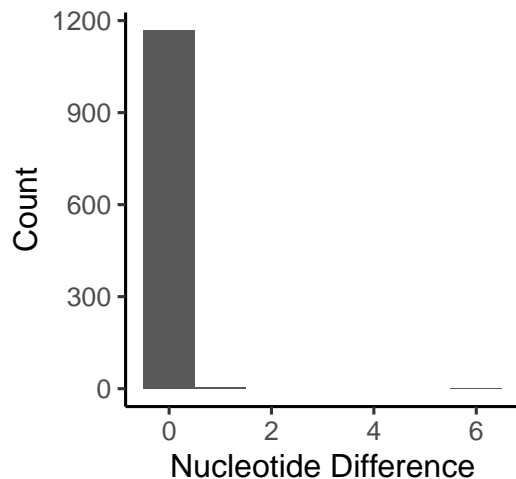
### TRBV7-6\*ap01

3131 sequences assigned  
3116 (99.5%) exact matches, in which:  
3074 unique CDR3  
13 unique J



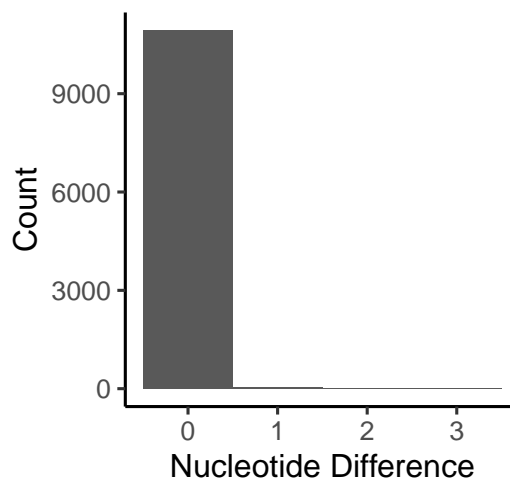
### TRBV7-7\*ap01\_C315T

1174 sequences assigned  
1168 (99.5%) exact matches, in which:  
1152 unique CDR3  
13 unique J



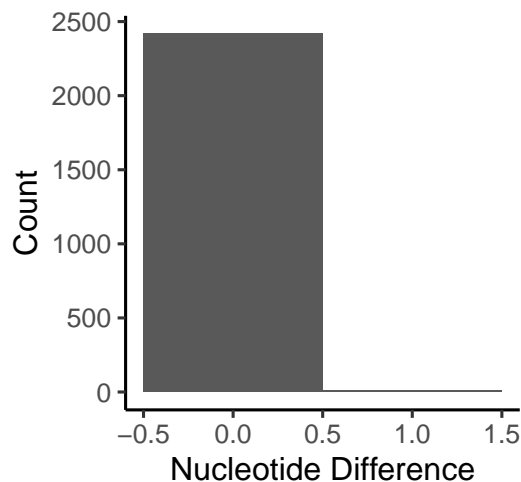
### TRBV7-9\*ap01

10984 sequences assigned  
10931 (99.5%) exact matches, in which:  
10811 unique CDR3  
13 unique J



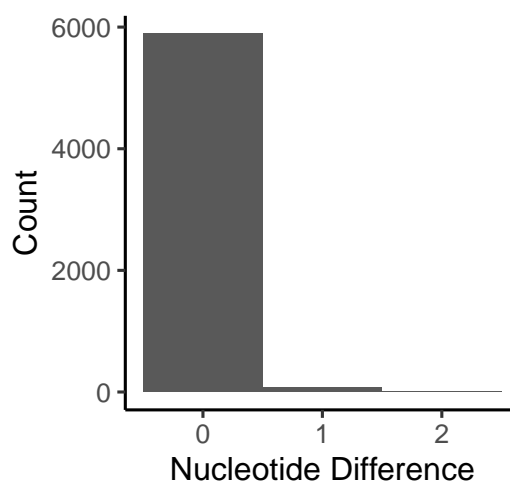
### TRBV7-8\*ap01

2430 sequences assigned  
2418 (99.5%) exact matches, in which:  
2394 unique CDR3  
13 unique J



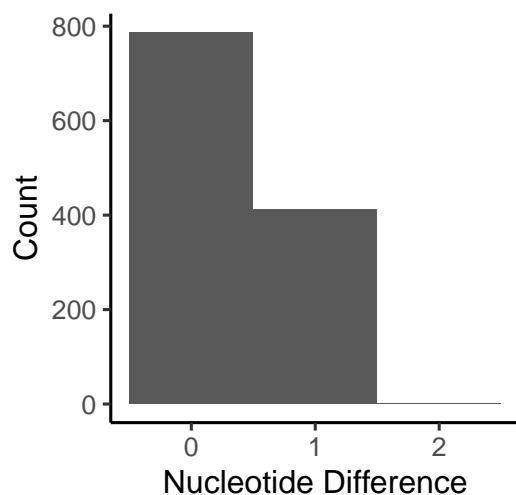
### TRBV29-1\*ap01

5966 sequences assigned  
5891 (98.7%) exact matches, in which:  
5687 unique CDR3  
13 unique J



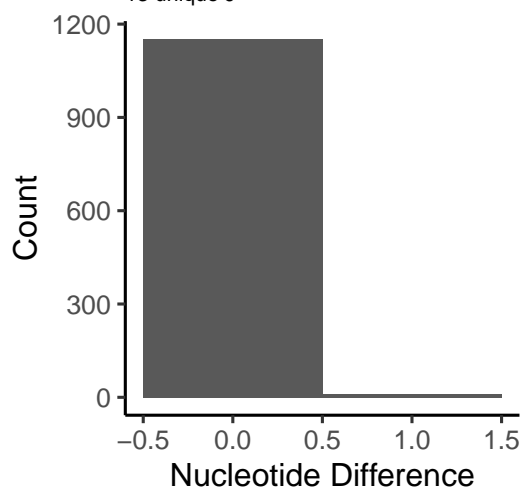
### TRBV7-8\*ap03

1201 sequences assigned  
787 (65.5%) exact matches, in which:  
780 unique CDR3  
13 unique J

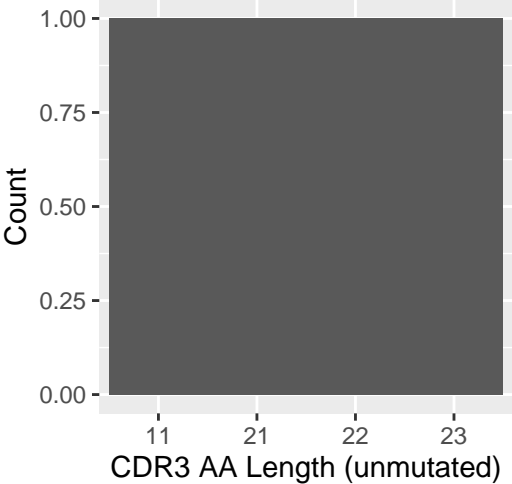


### TRBV29-1\*ap02

1163 sequences assigned  
1152 (99.1%) exact matches, in which:  
1116 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

