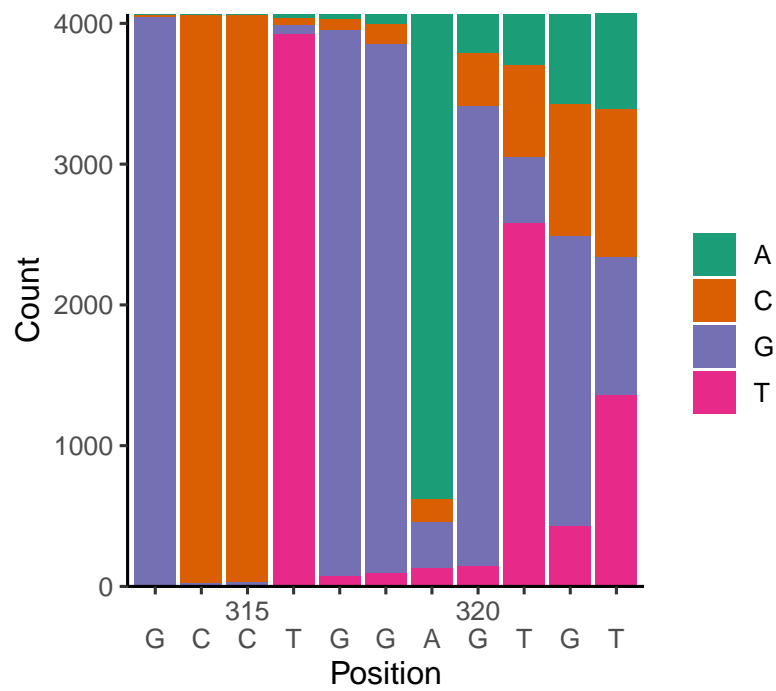


Gene TRBV30\*ap01\_G298A



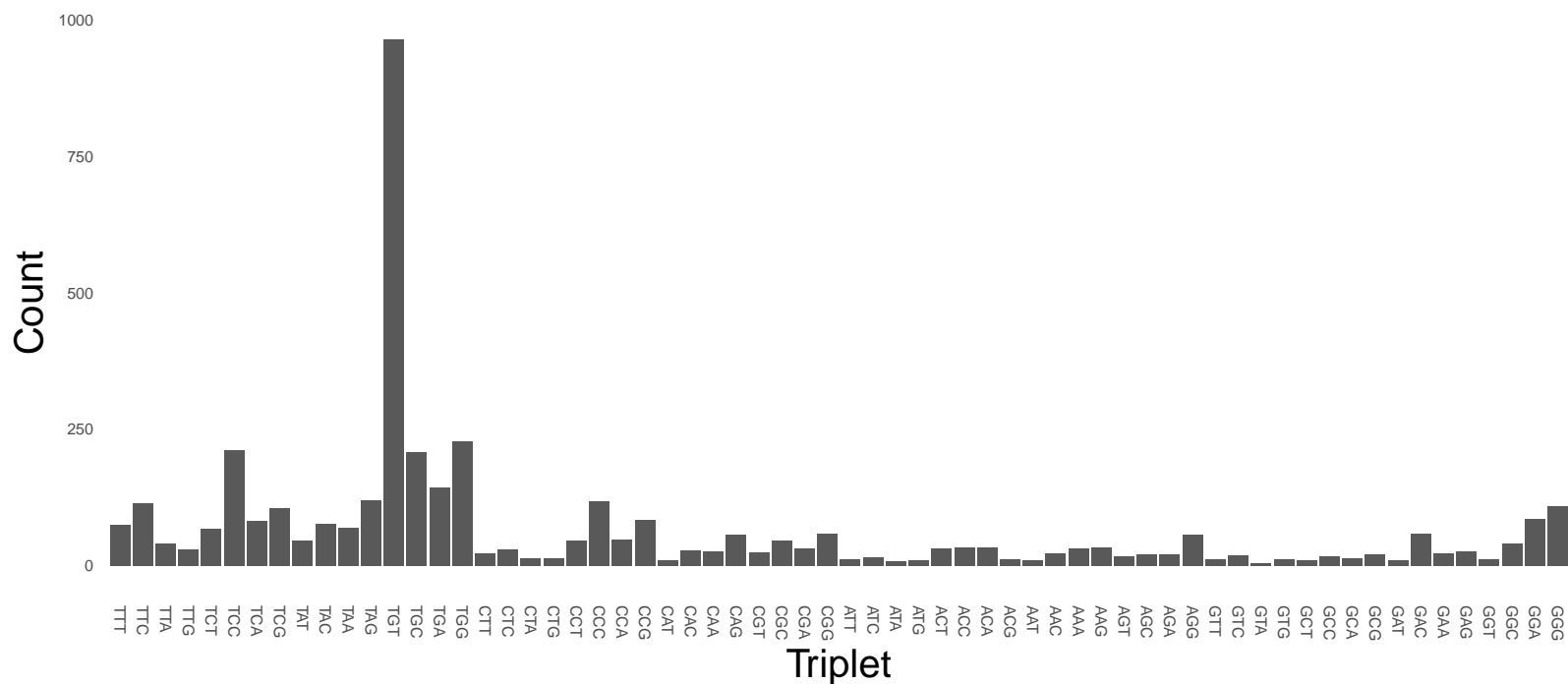
Gene TRBV30\*ap01\_G298A



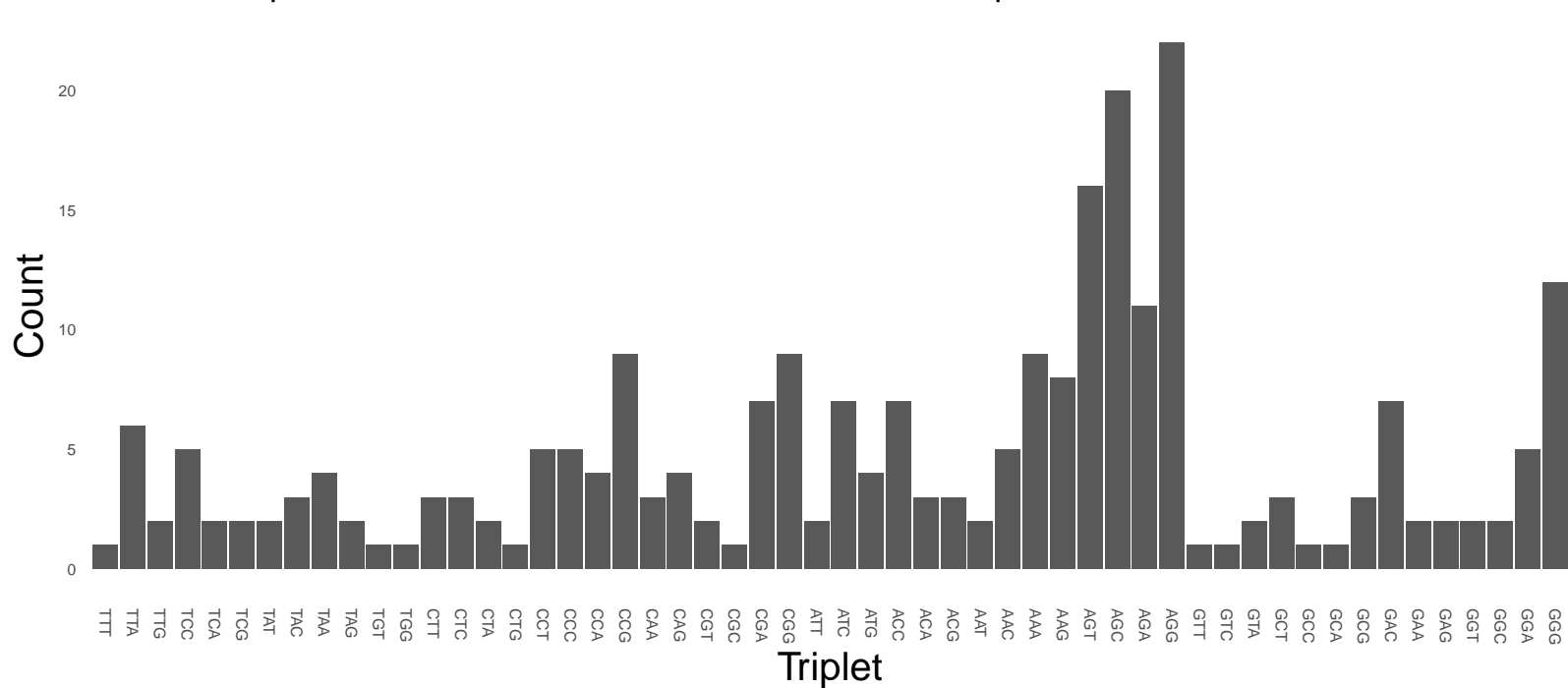
Gene TRBV7-1\*ap01\_T296C\_C314T



TRBV30\*ap01\_G298A– Final 3 nucleotides as a triplet

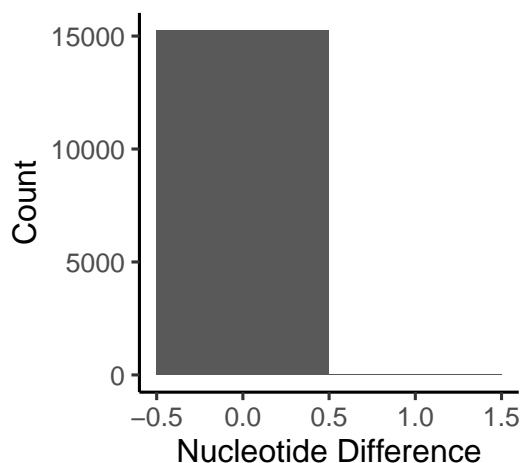


TRBV7-1\*ap01\_T296C\_C314T– Final 3 nucleotides as a triplet



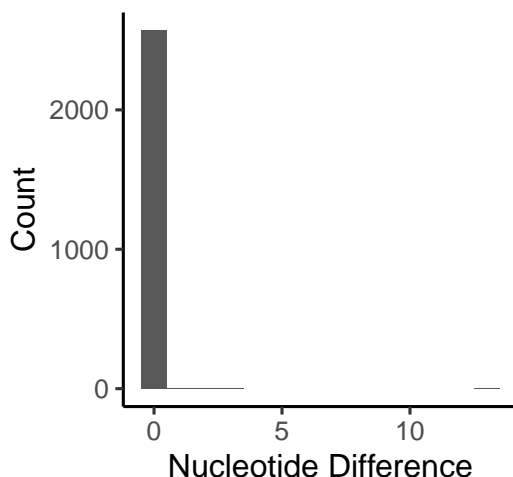
### TRBV20-1\*ap01

15293 sequences assigned  
15262 (99.8%) exact matches, in which:  
15243 unique CDR3  
13 unique J



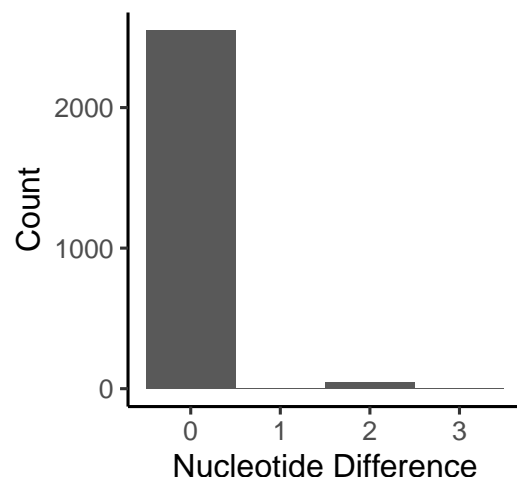
### TRBV10-2\*ap01

2576 sequences assigned  
2570 (99.8%) exact matches, in which:  
2570 unique CDR3  
13 unique J



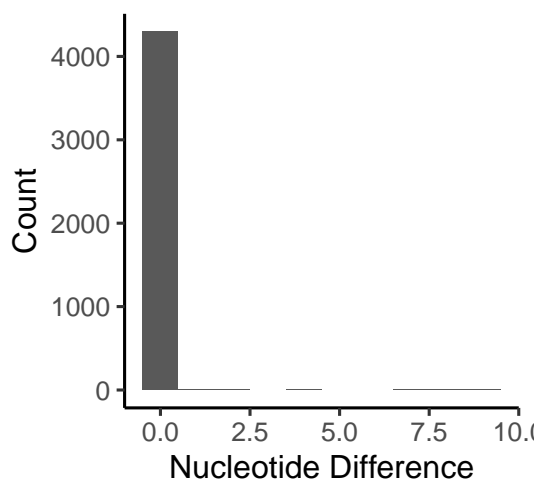
### TRBV13\*ap01

2601 sequences assigned  
2549 (98%) exact matches, in which:  
2545 unique CDR3  
13 unique J



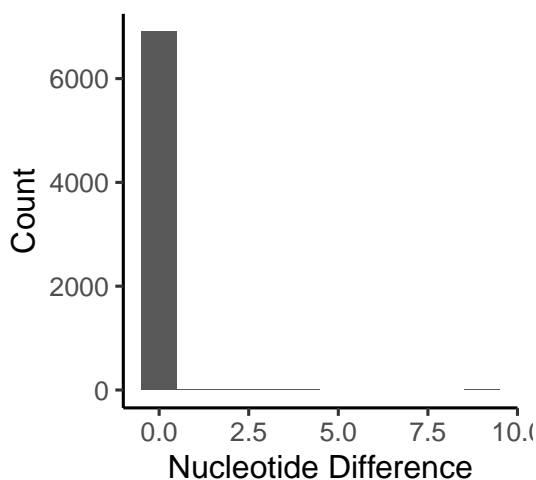
### TRBV10-1\*ap01

4309 sequences assigned  
4296 (99.7%) exact matches, in which:  
4293 unique CDR3  
14 unique J



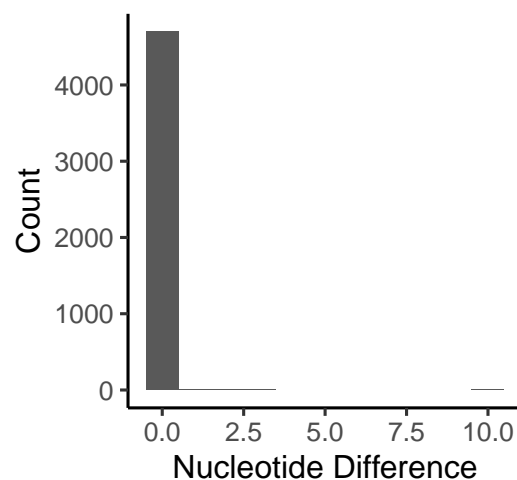
### TRBV10-3\*ap01

6919 sequences assigned  
6903 (99.8%) exact matches, in which:  
6896 unique CDR3  
13 unique J



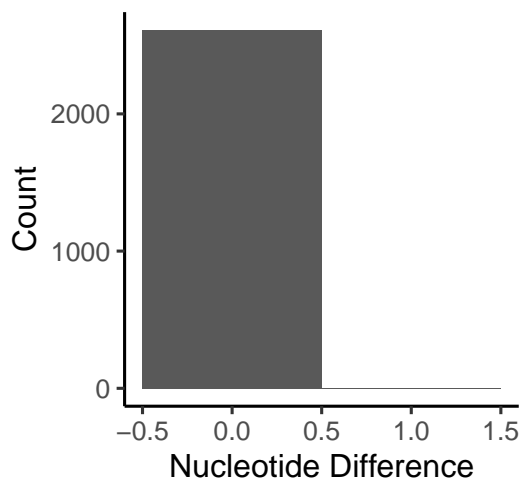
### TRBV14\*ap01

4710 sequences assigned  
4698 (99.7%) exact matches, in which:  
4696 unique CDR3  
13 unique J



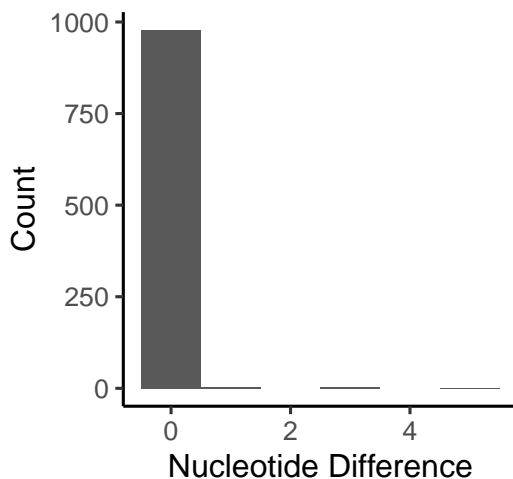
### TRBV20-1\*ap02

2612 sequences assigned  
2611 (100%) exact matches, in which:  
2607 unique CDR3  
13 unique J



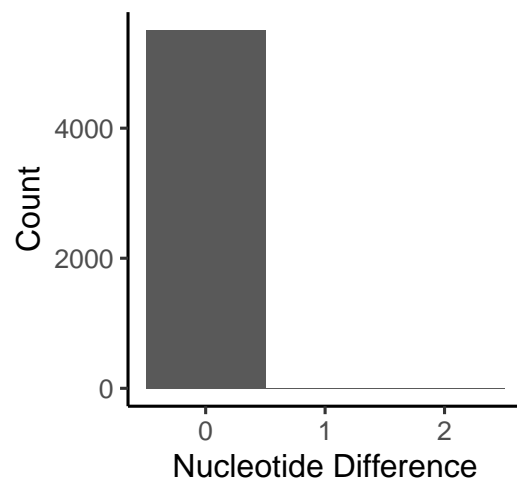
### TRBV1\*ap01

985 sequences assigned  
978 (99.3%) exact matches, in which:  
976 unique CDR3  
13 unique J



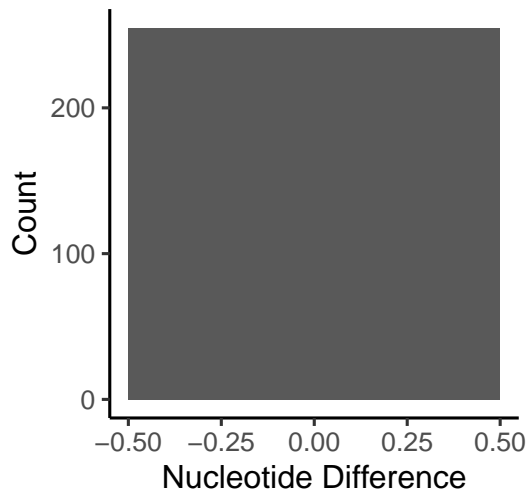
### TRBV15\*ap02

5520 sequences assigned  
5509 (99.8%) exact matches, in which:  
5499 unique CDR3  
13 unique J



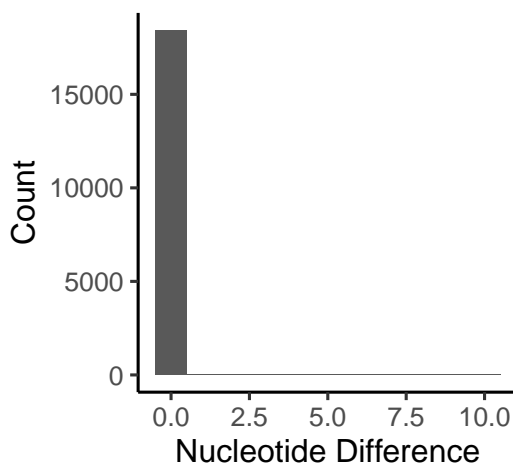
### TRBV16\*ap01

255 sequences assigned  
255 (100%) exact matches, in which:  
255 unique CDR3  
13 unique J



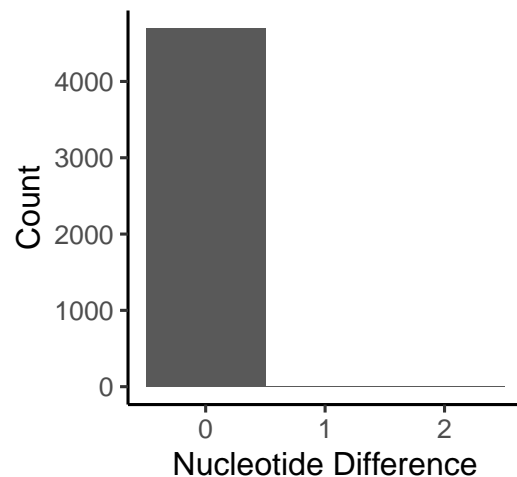
### TRBV19\*ap01

18485 sequences assigned  
18431 (99.7%) exact matches, in which:  
18428 unique CDR3  
13 unique J



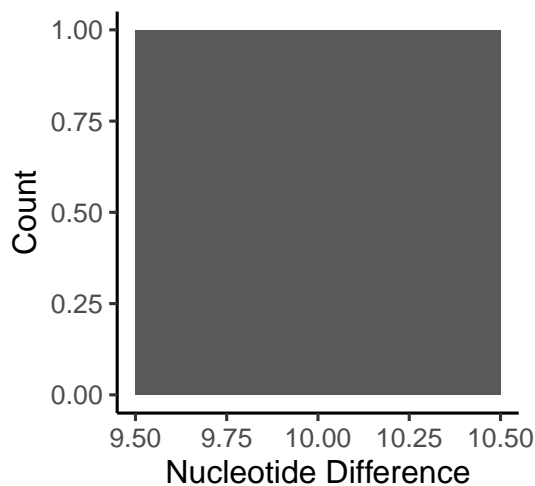
### TRBV28\*ap01

4705 sequences assigned  
4695 (99.8%) exact matches, in which:  
4693 unique CDR3  
13 unique J



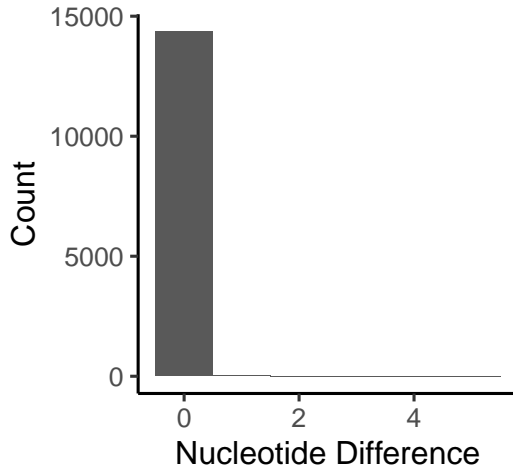
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



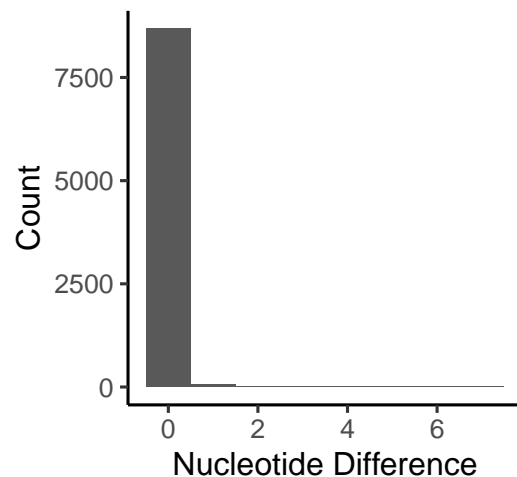
### TRBV2\*ap01

14412 sequences assigned  
14364 (99.7%) exact matches, in which:  
14331 unique CDR3  
13 unique J



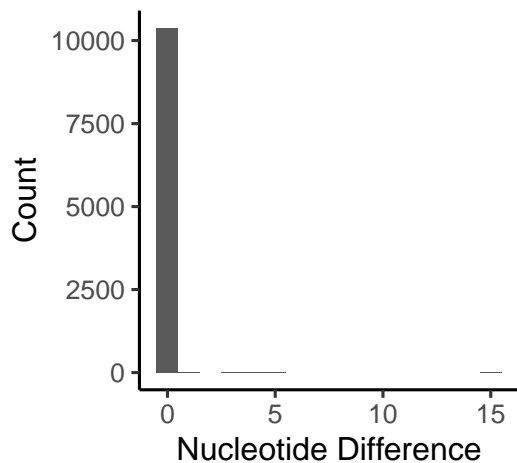
### TRBV30\*ap01

8745 sequences assigned  
8681 (99.3%) exact matches, in which:  
8664 unique CDR3  
13 unique J



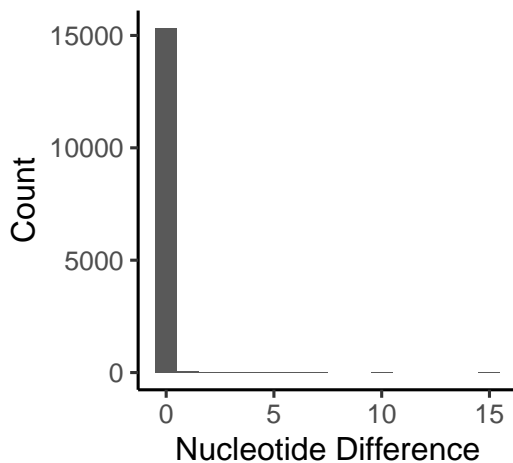
### TRBV18\*ap01

10401 sequences assigned  
10385 (99.8%) exact matches, in which:  
10380 unique CDR3  
13 unique J



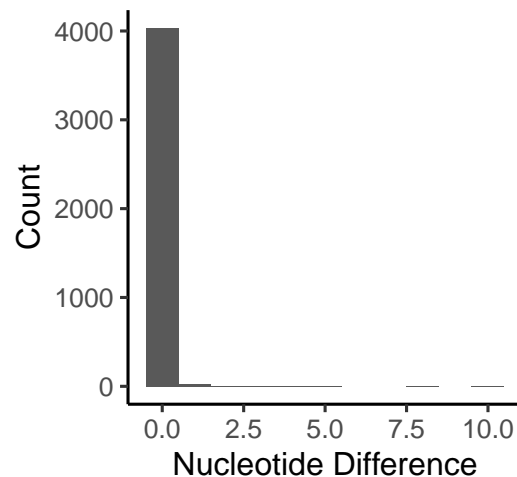
### TRBV27\*ap01

15414 sequences assigned  
15341 (99.5%) exact matches, in which:  
15303 unique CDR3  
13 unique J



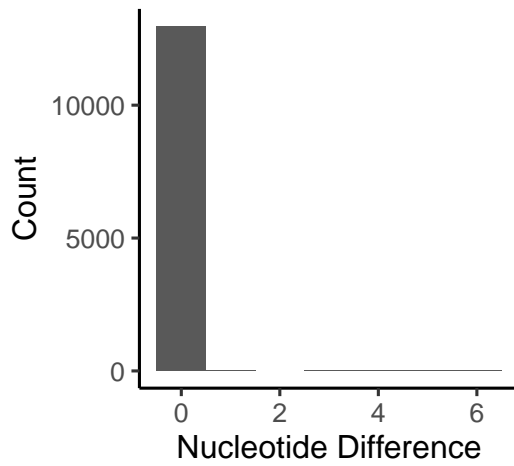
### TRBV30\*ap01\_G298A

4067 sequences assigned  
4033 (99.2%) exact matches, in which:  
4020 unique CDR3  
13 unique J



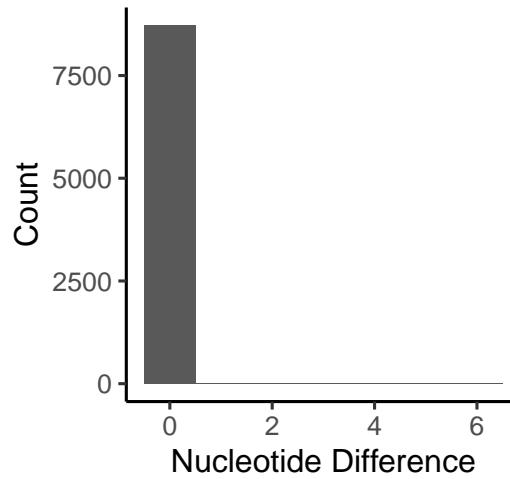
### TRBV9\*ap01

13000 sequences assigned  
12973 (99.8%) exact matches, in which:  
12966 unique CDR3  
13 unique J



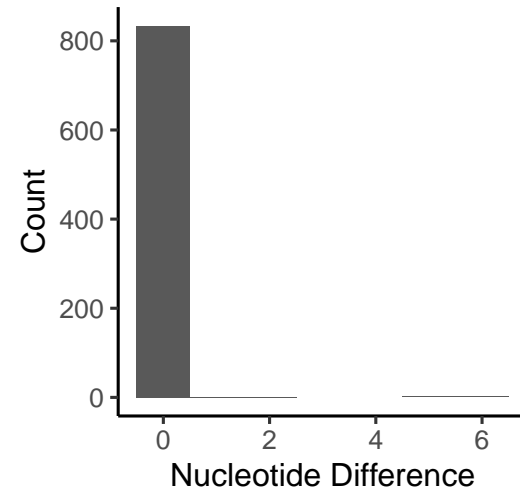
### TRBV11-2\*ap01

8743 sequences assigned  
8720 (99.7%) exact matches, in which:  
8720 unique CDR3  
13 unique J



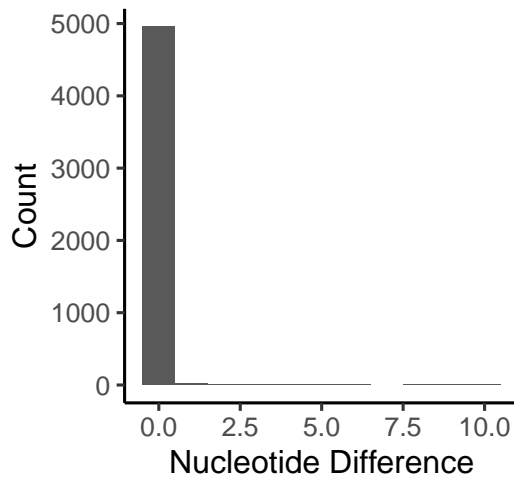
### TRBV12-2\*ap01

840 sequences assigned  
834 (99.3%) exact matches, in which:  
834 unique CDR3  
13 unique J



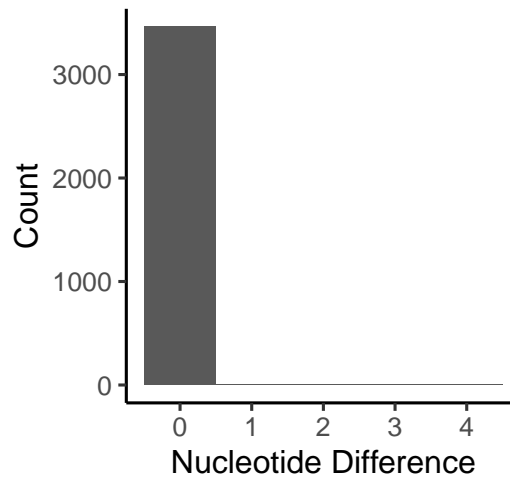
### TRBV21-1\*ap01

5008 sequences assigned  
4956 (99%) exact matches, in which:  
4955 unique CDR3  
14 unique J



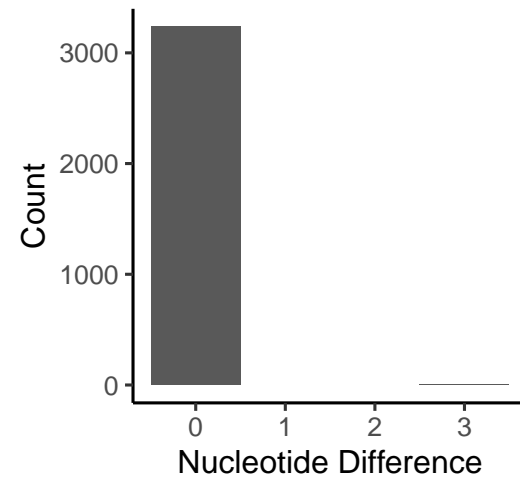
### TRBV11-3\*ap01

3475 sequences assigned  
3462 (99.6%) exact matches, in which:  
3461 unique CDR3  
13 unique J



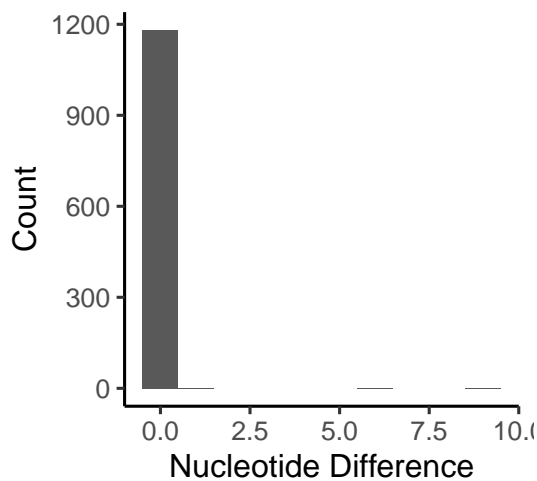
### TRBV12-5\*ap01

3238 sequences assigned  
3236 (99.9%) exact matches, in which:  
3236 unique CDR3  
13 unique J



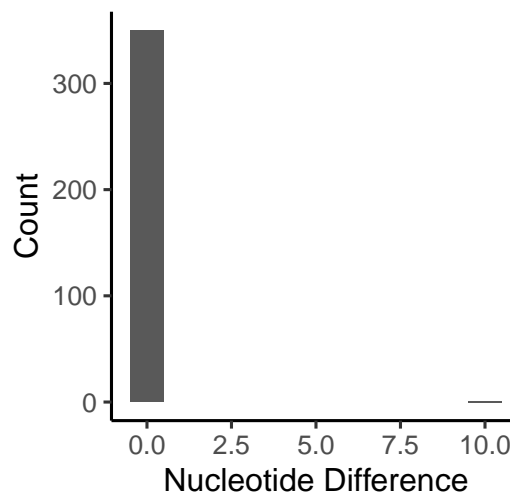
### TRBV11-1\*ap01

1184 sequences assigned  
1181 (99.7%) exact matches, in which:  
1180 unique CDR3  
13 unique J



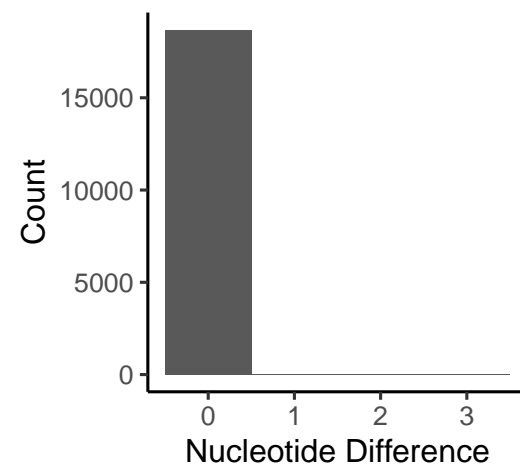
### TRBV12-1\*ap01

351 sequences assigned  
350 (99.7%) exact matches, in which:  
350 unique CDR3  
13 unique J



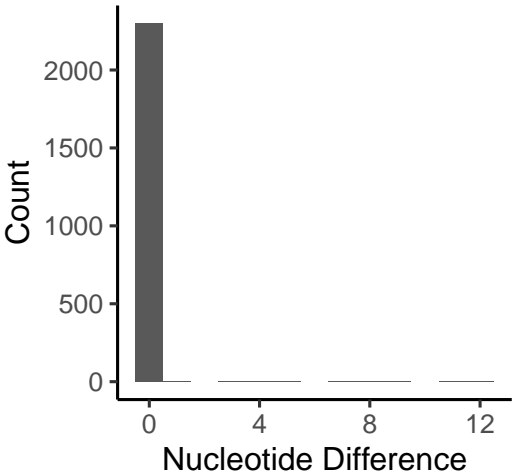
### TRBV12-34\*ap01

18726 sequences assigned  
18684 (99.8%) exact matches, in which:  
18679 unique CDR3  
13 unique J



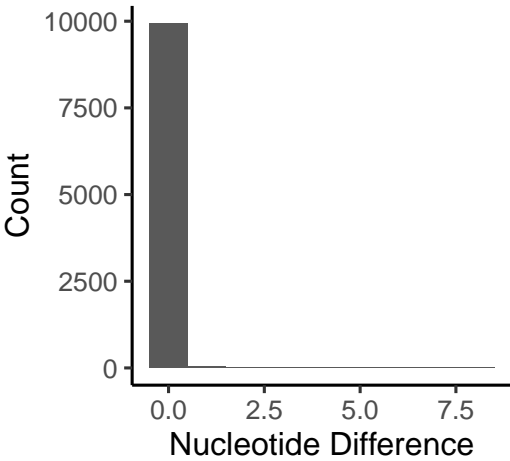
TRBV23-1\*ap01

2314 sequences assigned  
2299 (99.4%) exact matches, in which:  
2298 unique CDR3  
13 unique J



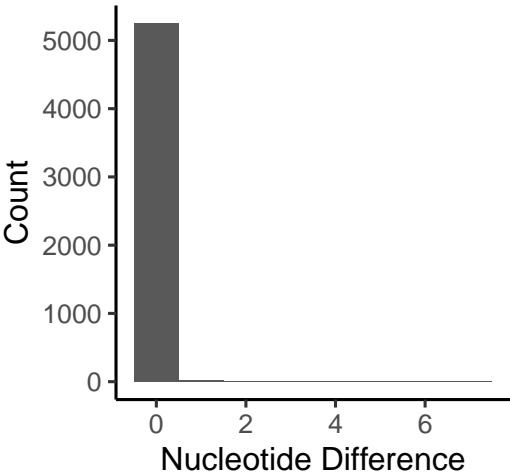
TRBV24-1\*ap01

10013 sequences assigned  
9944 (99.3%) exact matches, in which:  
9925 unique CDR3  
13 unique J



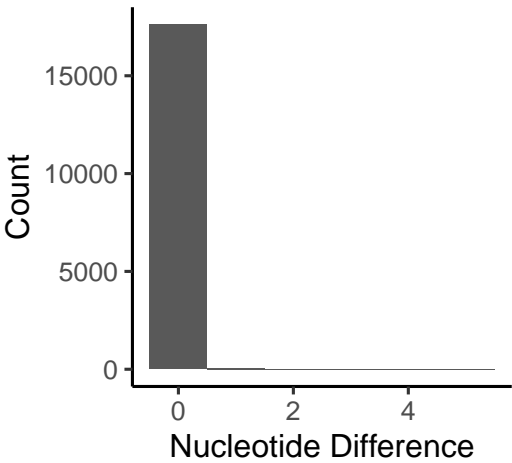
TRBV25-1\*ap01

5284 sequences assigned  
5249 (99.3%) exact matches, in which:  
5229 unique CDR3  
13 unique J



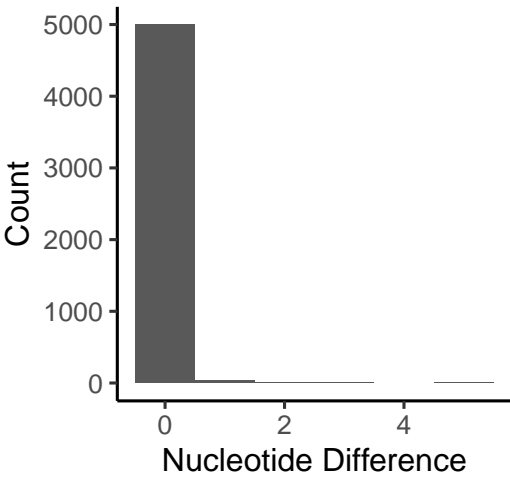
TRBV3-12\*ap01

17692 sequences assigned  
17621 (99.6%) exact matches, in which:  
17587 unique CDR3  
13 unique J



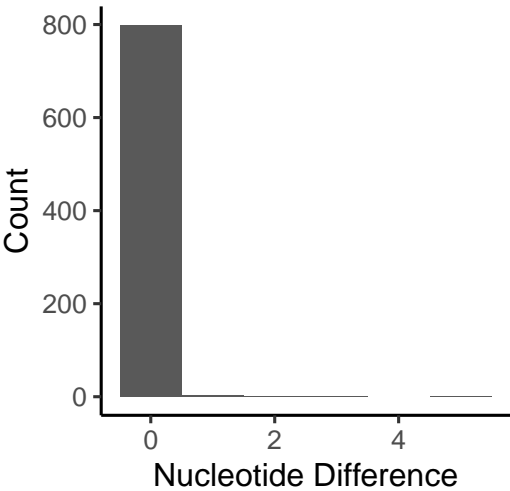
TRBV4-2\*ap01

5031 sequences assigned  
4997 (99.3%) exact matches, in which:  
4991 unique CDR3  
13 unique J



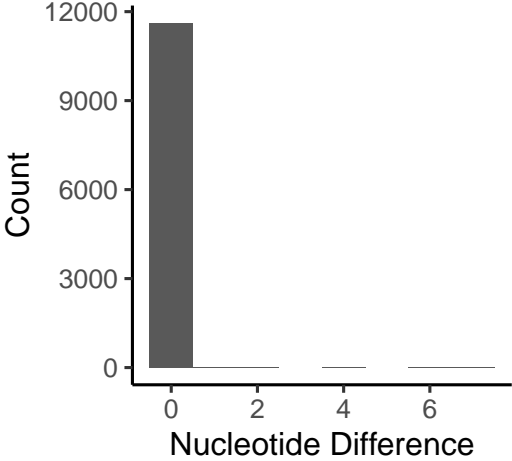
TRBV5-3\*ap01

808 sequences assigned  
799 (98.9%) exact matches, in which:  
799 unique CDR3  
13 unique J



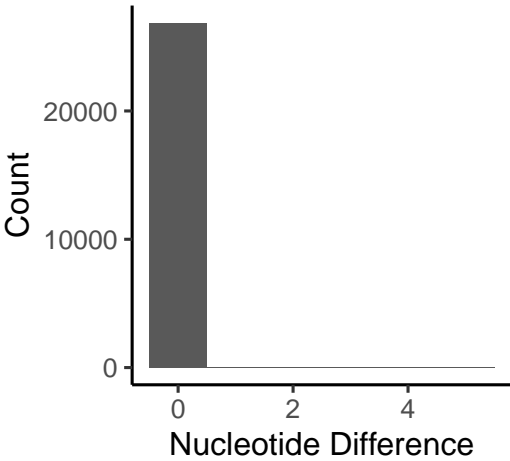
TRBV4-1\*ap01

11648 sequences assigned  
11624 (99.8%) exact matches, in which:  
11620 unique CDR3  
14 unique J



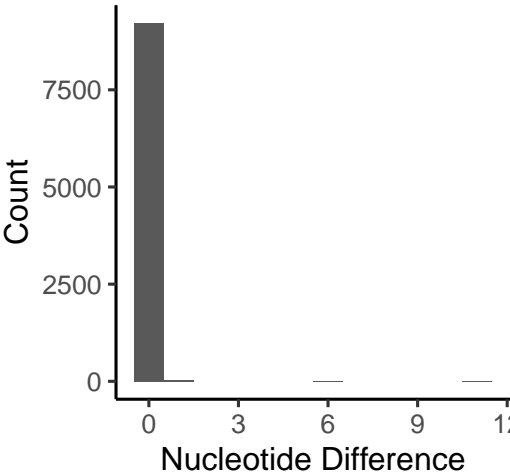
TRBV5-1\*ap01

26932 sequences assigned  
26872 (99.8%) exact matches, in which:  
26819 unique CDR3  
13 unique J



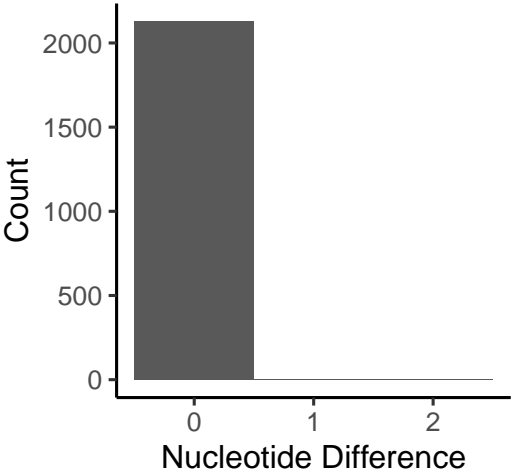
TRBV5-4\*ap01

9250 sequences assigned  
9218 (99.7%) exact matches, in which:  
9214 unique CDR3  
13 unique J



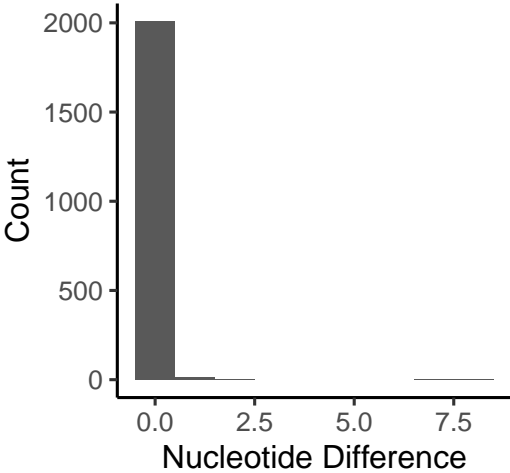
TRBV5-5\*ap01

2135 sequences assigned  
2128 (99.7%) exact matches, in which:  
2128 unique CDR3  
13 unique J



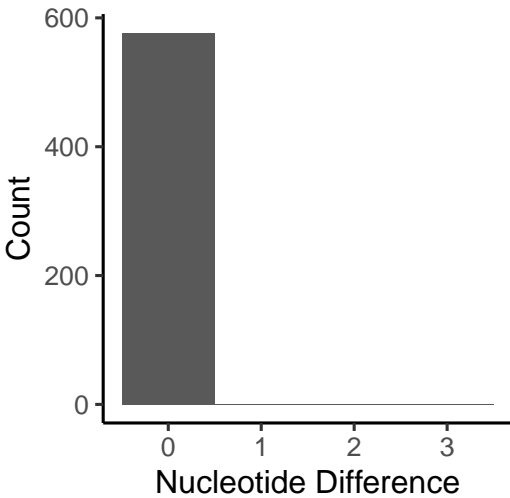
TRBV5-8\*ap01

2026 sequences assigned  
2008 (99.1%) exact matches, in which:  
2008 unique CDR3  
13 unique J



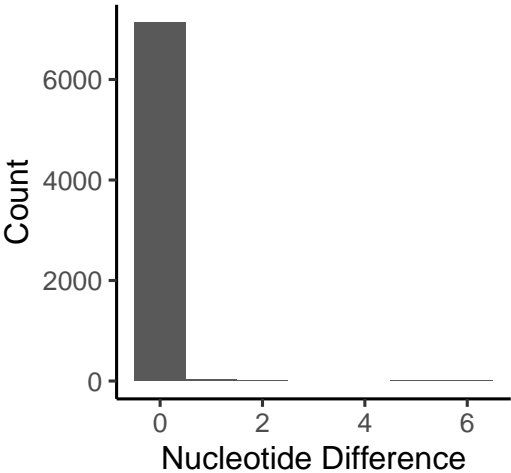
TRBV6-7\*ap01

580 sequences assigned  
577 (99.5%) exact matches, in which:  
577 unique CDR3  
13 unique J



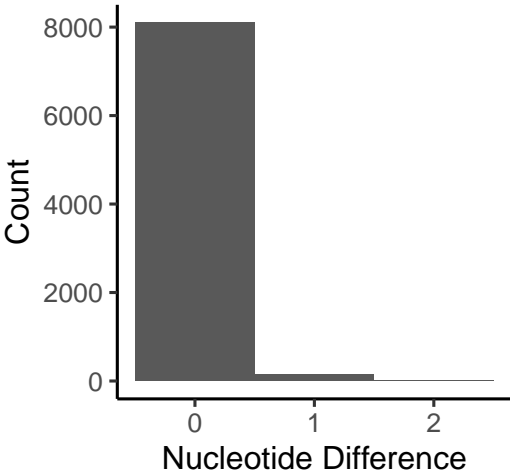
TRBV5-6\*ap01

7154 sequences assigned  
7130 (99.7%) exact matches, in which:  
7085 unique CDR3  
13 unique J



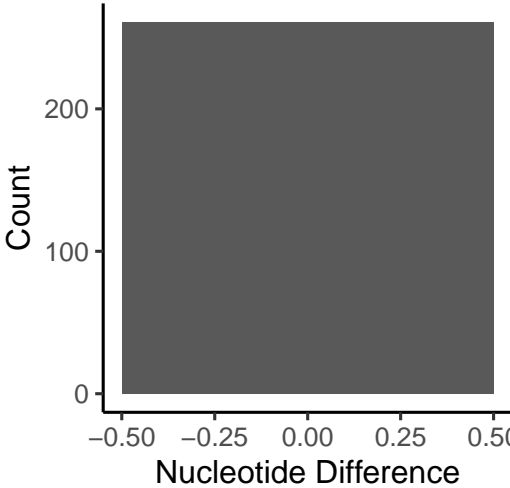
TRBV6-1\*ap01

8244 sequences assigned  
8099 (98.2%) exact matches, in which:  
8087 unique CDR3  
14 unique J



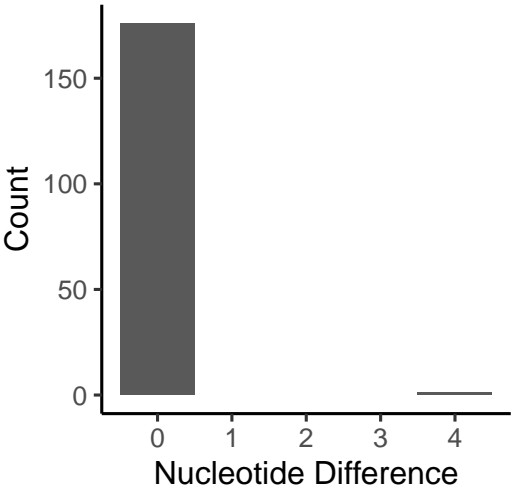
TRBV6-8\*ap01

261 sequences assigned  
261 (100%) exact matches, in which:  
261 unique CDR3  
13 unique J



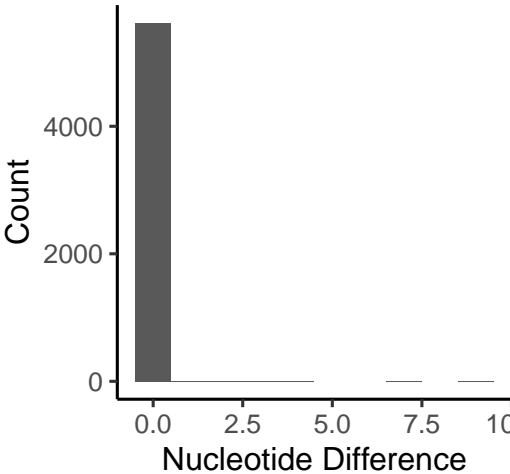
TRBV5-7\*ap01

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



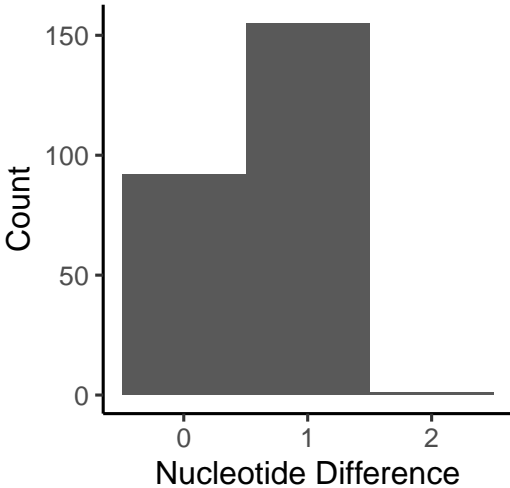
TRBV6-4\*ap01

5639 sequences assigned  
5619 (99.6%) exact matches, in which:  
5615 unique CDR3  
13 unique J



TRBV6-9\*ap01

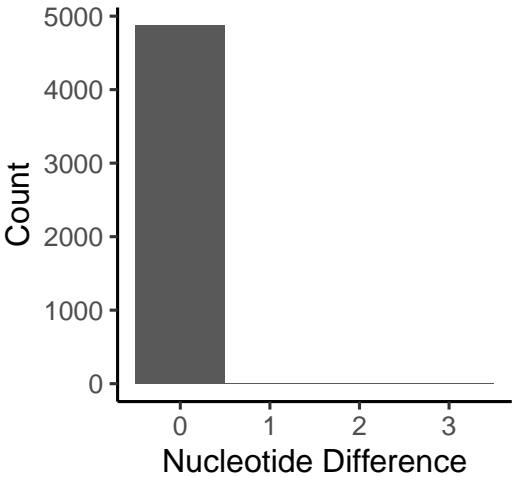
248 sequences assigned  
92 (37.1%) exact matches, in which:  
92 unique CDR3  
11 unique J





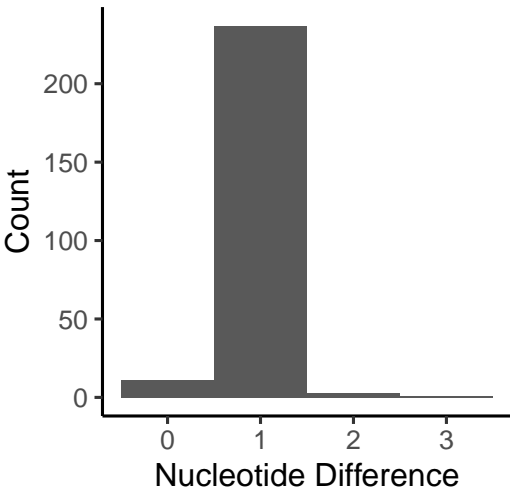
TRBV6-23\*ap01

4885 sequences assigned  
4874 (99.8%) exact matches, in which:  
4868 unique CDR3  
13 unique J



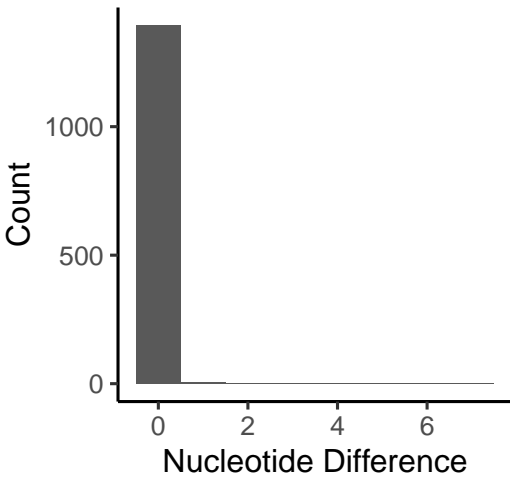
TRBV7-1\*ap01\_T296C\_()

252 sequences assigned  
11 (4.4%) exact matches, in which:  
11 unique CDR3  
10 unique J



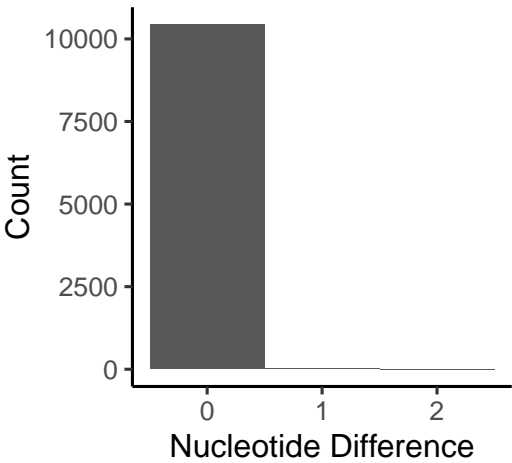
TRBV7-3\*ap03

1406 sequences assigned  
1394 (99.1%) exact matches, in which:  
1394 unique CDR3  
12 unique J



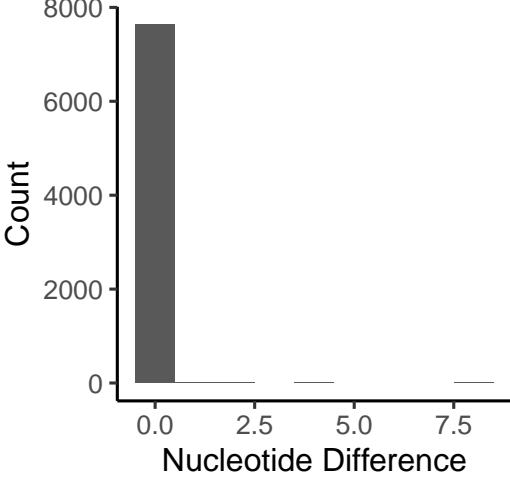
TRBV6-56\*ap01

10467 sequences assigned  
10437 (99.7%) exact matches, in which:  
10419 unique CDR3  
13 unique J



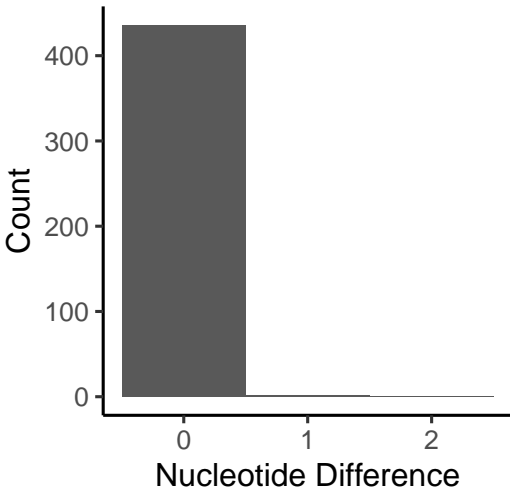
TRBV7-2\*ap01

7645 sequences assigned  
7631 (99.8%) exact matches, in which:  
7629 unique CDR3  
14 unique J



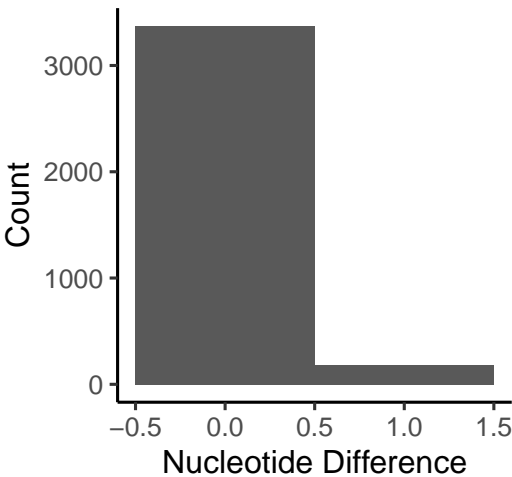
TRBV7-4\*ap01

439 sequences assigned  
436 (99.3%) exact matches, in which:  
436 unique CDR3  
13 unique J



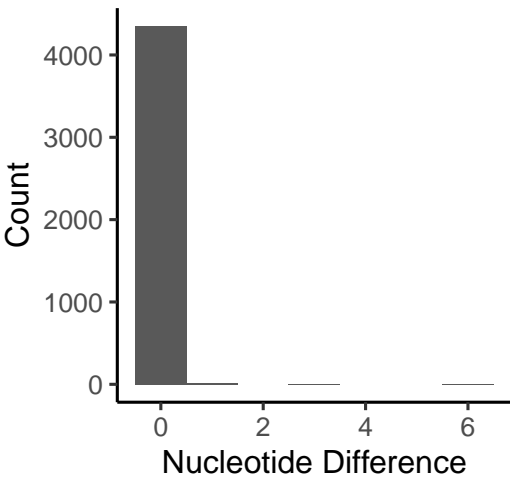
TRBV6-56\*ap02

3555 sequences assigned  
3371 (94.8%) exact matches, in which:  
3367 unique CDR3  
13 unique J



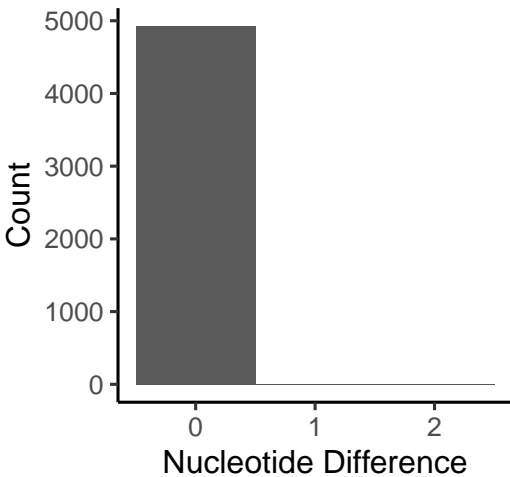
TRBV7-3\*ap01

4367 sequences assigned  
4351 (99.6%) exact matches, in which:  
4345 unique CDR3  
13 unique J



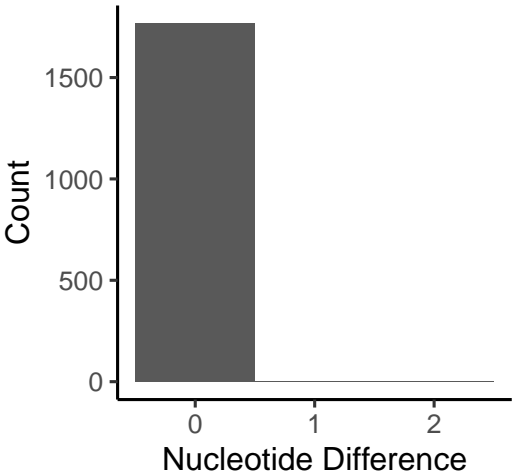
TRBV7-6\*ap01

4932 sequences assigned  
4927 (99.9%) exact matches, in which:  
4924 unique CDR3  
13 unique J



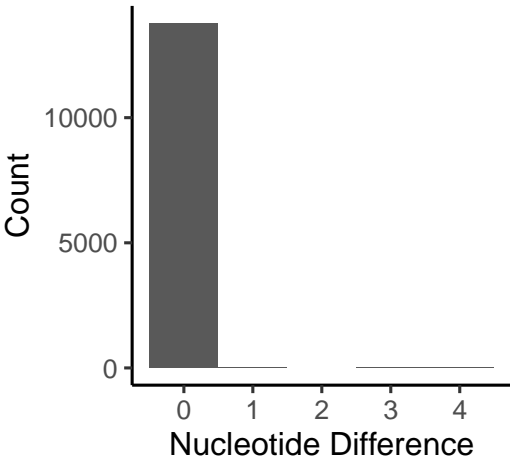
TRBV7-7\*ap01

1769 sequences assigned  
1767 (99.9%) exact matches, in which:  
1765 unique CDR3  
13 unique J



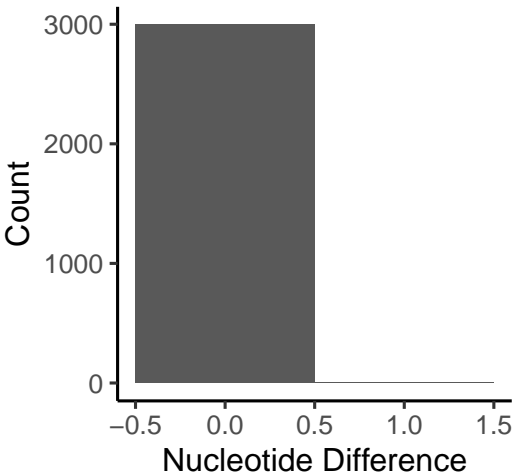
TRBV7-9\*ap01

13801 sequences assigned  
13777 (99.8%) exact matches, in which:  
13772 unique CDR3  
14 unique J



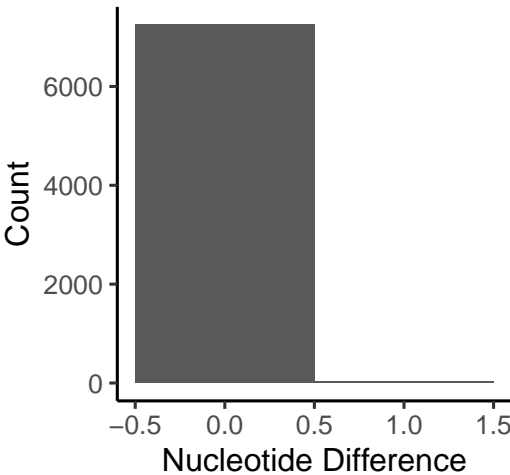
TRBV7-8\*ap01

2999 sequences assigned  
2996 (99.9%) exact matches, in which:  
2994 unique CDR3  
13 unique J



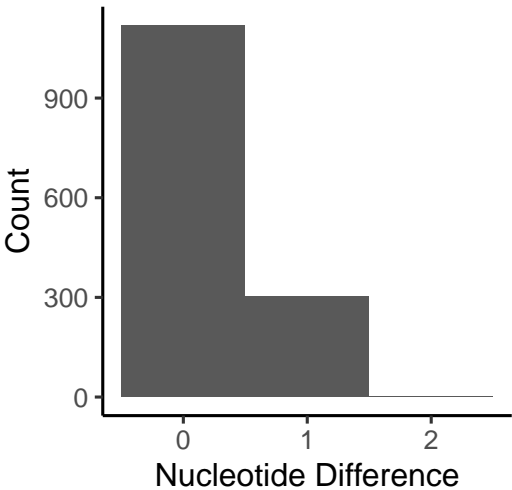
TRBV29-1\*ap01

7278 sequences assigned  
7249 (99.6%) exact matches, in which:  
7236 unique CDR3  
13 unique J



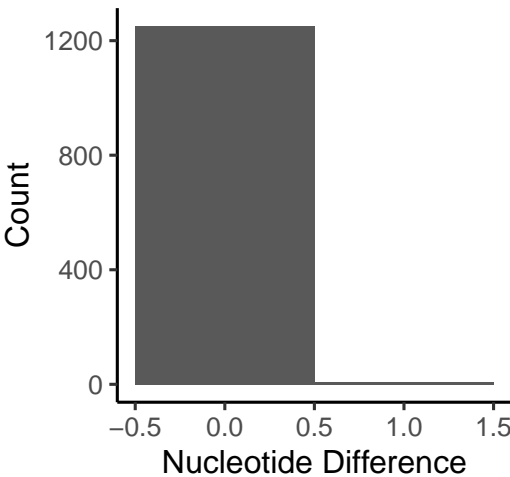
TRBV7-8\*ap03

1424 sequences assigned  
1119 (78.6%) exact matches, in which:  
1117 unique CDR3  
13 unique J

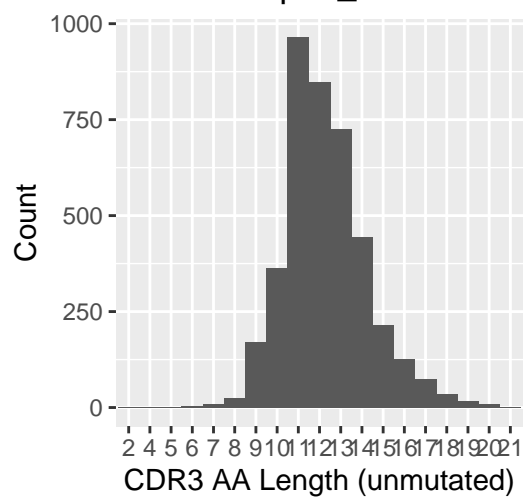


TRBV29-1\*ap02

1260 sequences assigned  
1251 (99.3%) exact matches, in which:  
1250 unique CDR3  
13 unique J



TRBV30\*ap01\_G298A



TRBV7-1\*ap01\_T296C\_C314T

