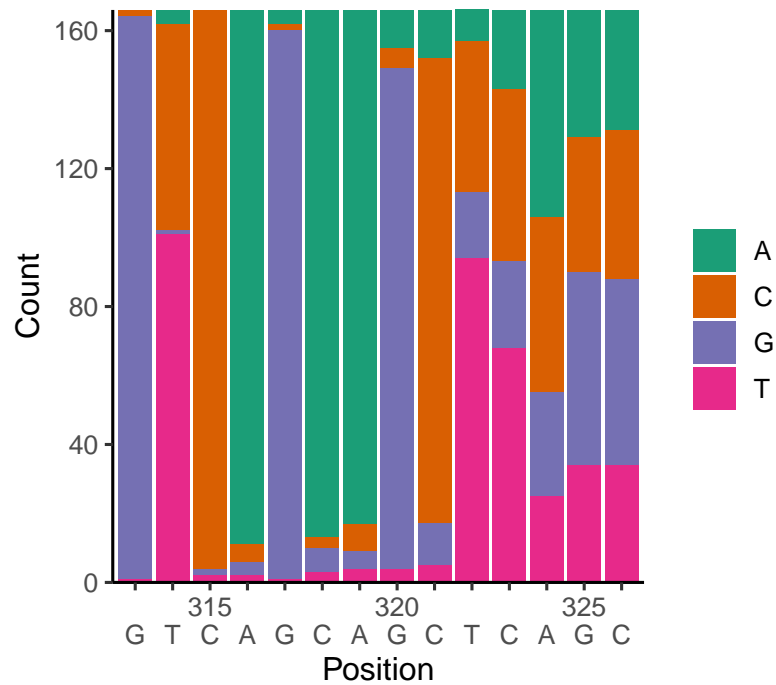
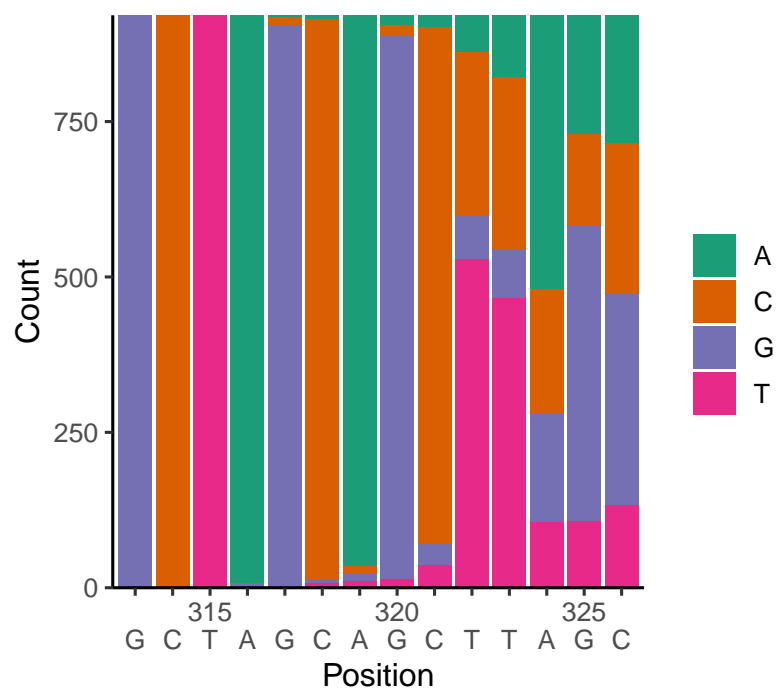


Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



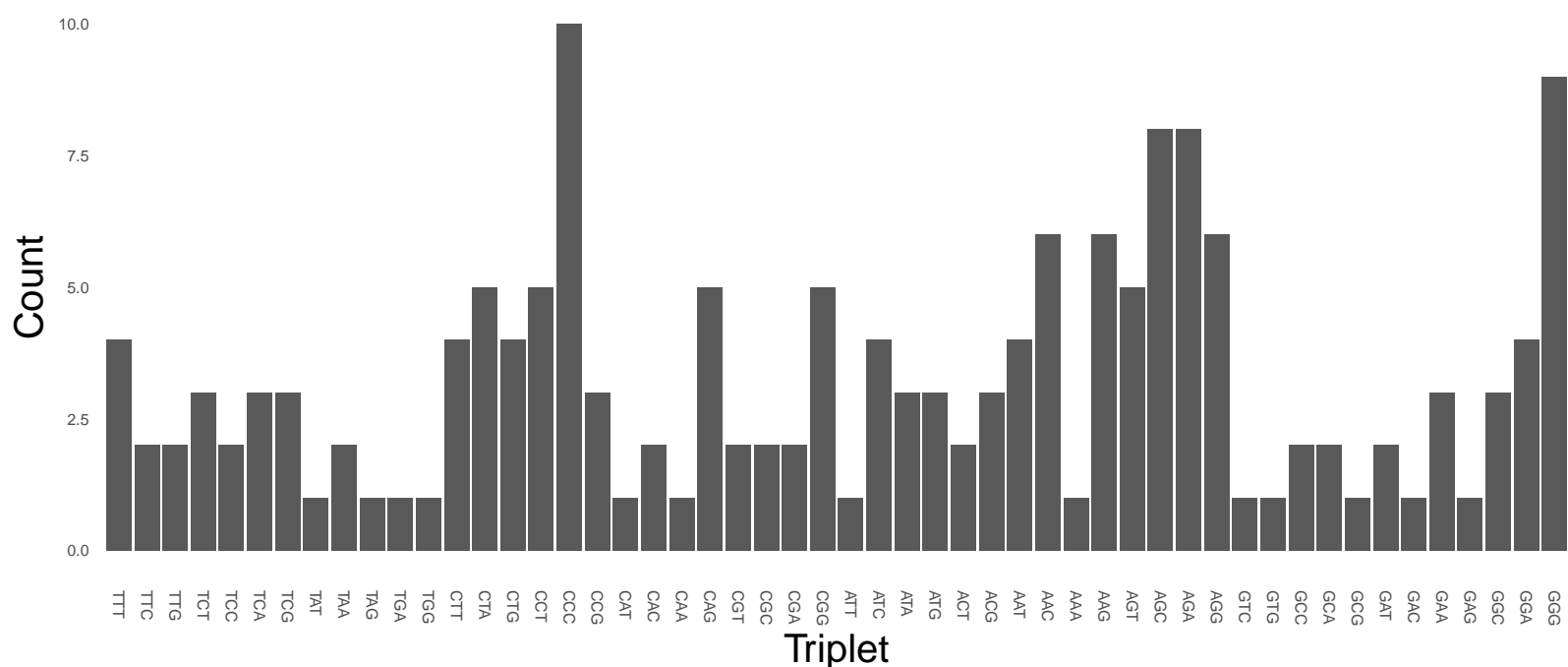
Gene TRBV7-7\*ap01\_C315T



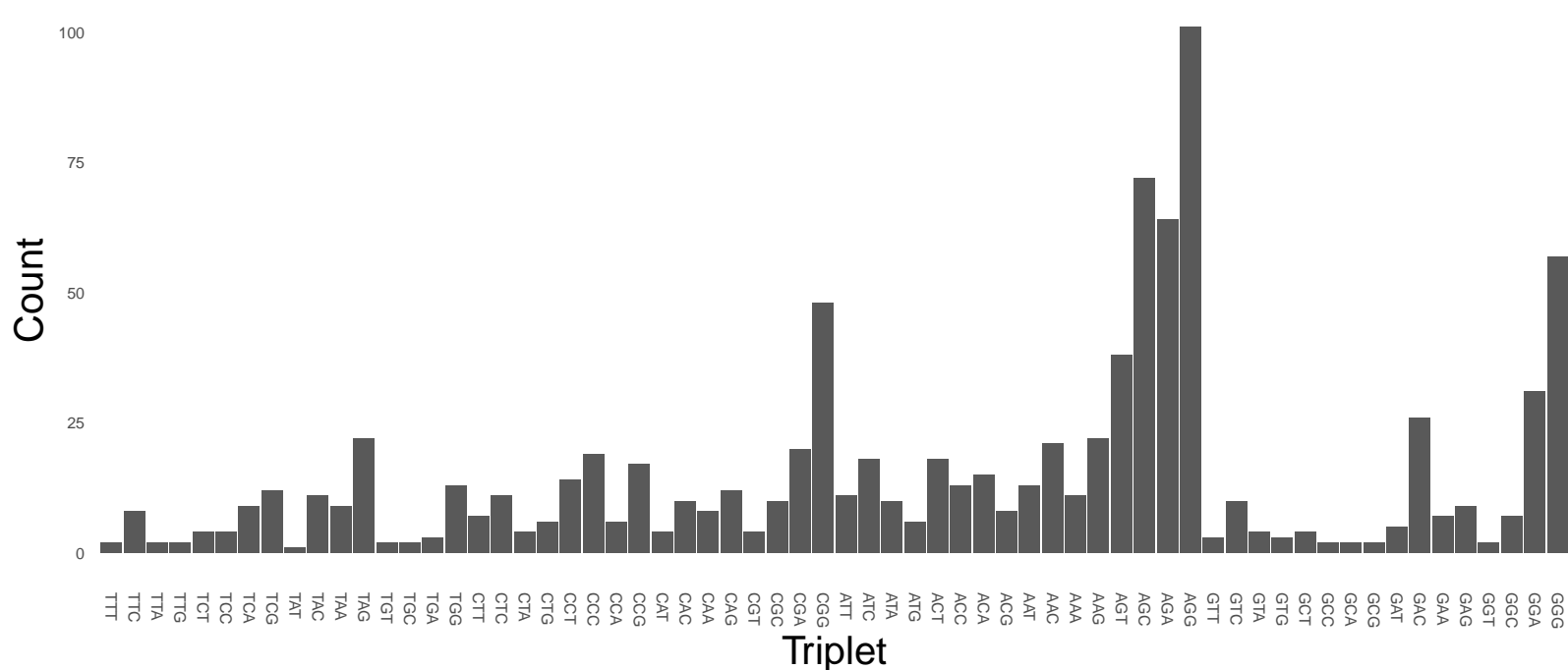
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

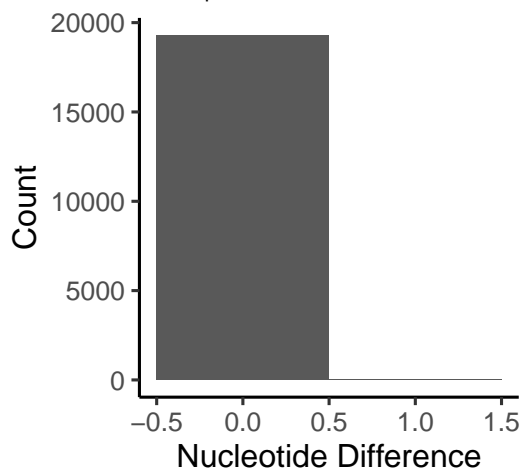


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



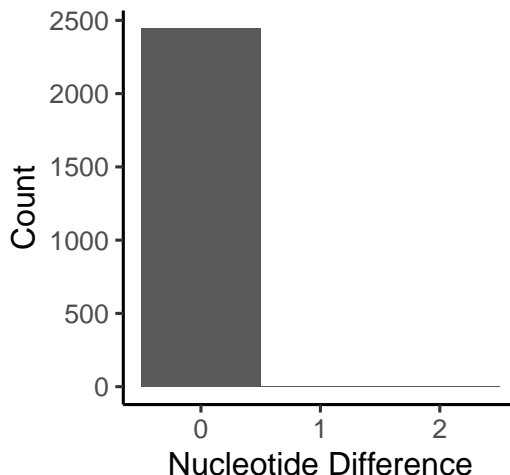
### TRBV20-1\*ap01

19328 sequences assigned  
19299 (99.8%) exact matches, in which:  
19286 unique CDR3  
13 unique J



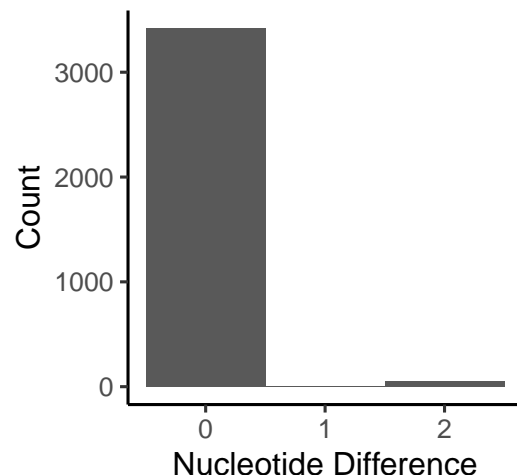
### TRBV10-2\*ap01

2448 sequences assigned  
2445 (99.9%) exact matches, in which:  
2444 unique CDR3  
12 unique J



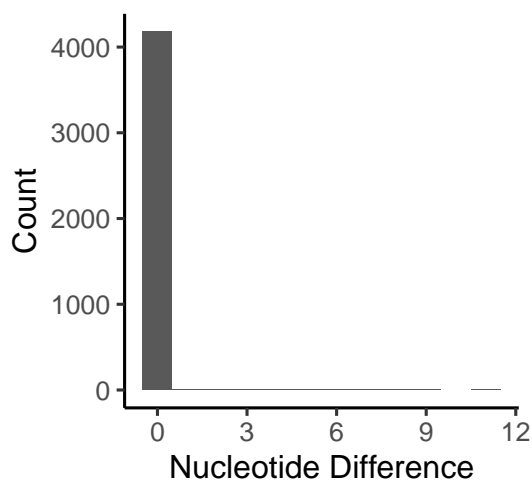
### TRBV13\*ap01

3476 sequences assigned  
3418 (98.3%) exact matches, in which:  
3415 unique CDR3  
13 unique J



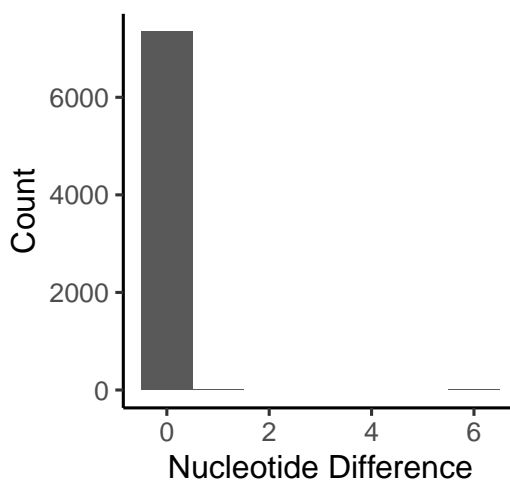
### TRBV10-1\*ap01

4199 sequences assigned  
4179 (99.5%) exact matches, in which:  
4179 unique CDR3  
12 unique J



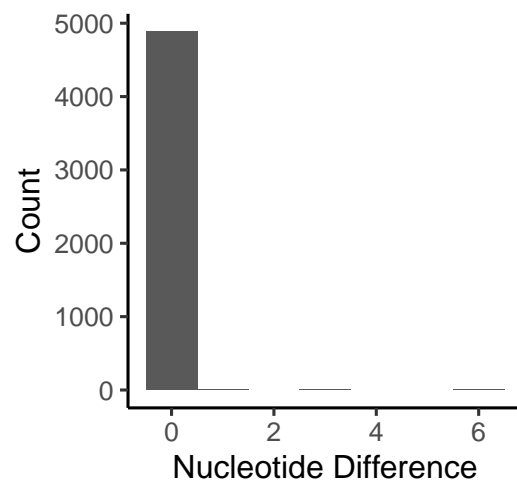
### TRBV10-3\*ap01

7358 sequences assigned  
7344 (99.8%) exact matches, in which:  
7338 unique CDR3  
12 unique J



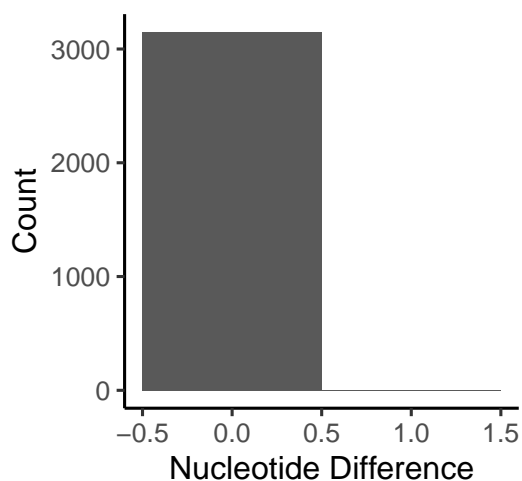
### TRBV14\*ap01

4892 sequences assigned  
4884 (99.8%) exact matches, in which:  
4884 unique CDR3  
12 unique J



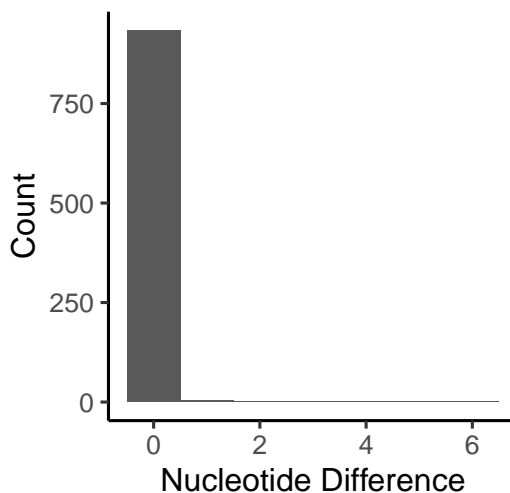
### TRBV20-1\*ap02

3152 sequences assigned  
3149 (99.9%) exact matches, in which:  
3145 unique CDR3  
12 unique J



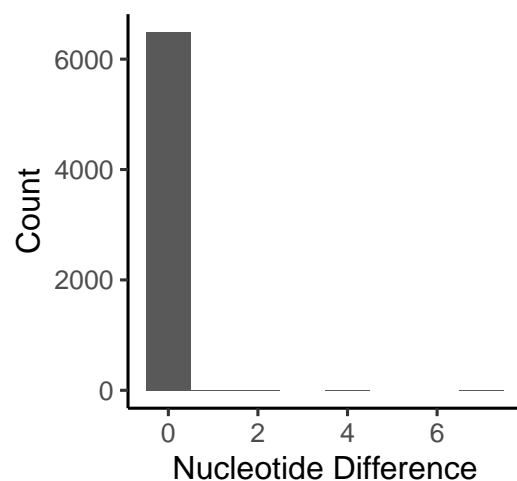
### TRBV1\*ap01

945 sequences assigned  
934 (98.8%) exact matches, in which:  
933 unique CDR3  
13 unique J



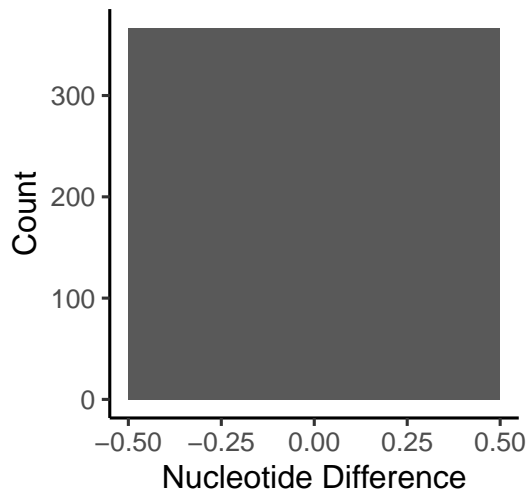
### TRBV15\*ap02

6505 sequences assigned  
6491 (99.8%) exact matches, in which:  
6486 unique CDR3  
13 unique J



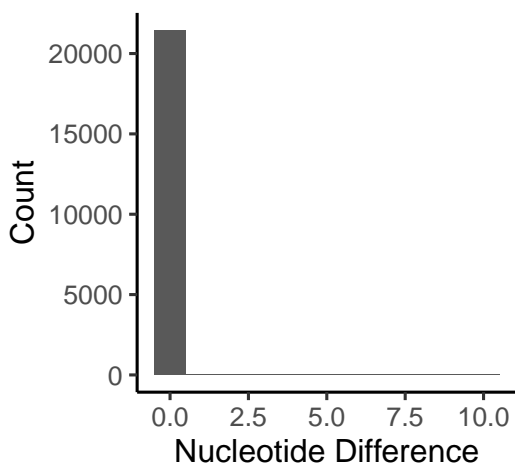
### TRBV16\*ap01

367 sequences assigned  
367 (100%) exact matches, in which:  
367 unique CDR3  
12 unique J



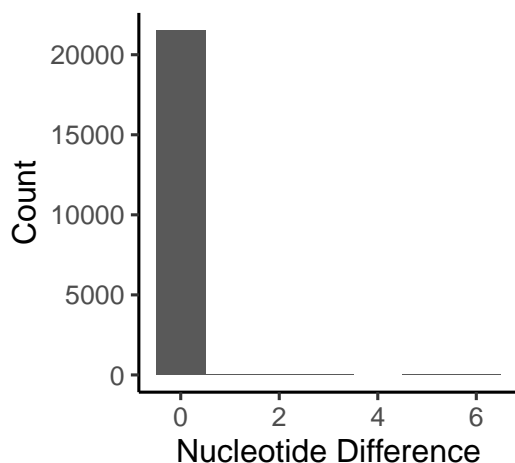
### TRBV19\*ap01

21522 sequences assigned  
21455 (99.7%) exact matches, in which:  
21454 unique CDR3  
13 unique J



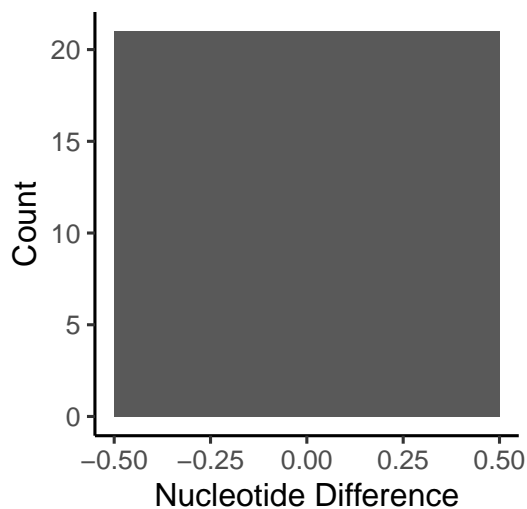
### TRBV28\*ap01

21574 sequences assigned  
21534 (99.8%) exact matches, in which:  
21530 unique CDR3  
14 unique J



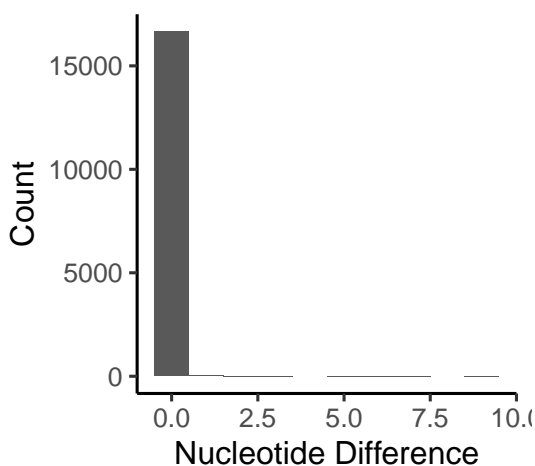
### TRBV17\*ap01

21 sequences assigned  
21 (100%) exact matches, in which:  
21 unique CDR3  
7 unique J



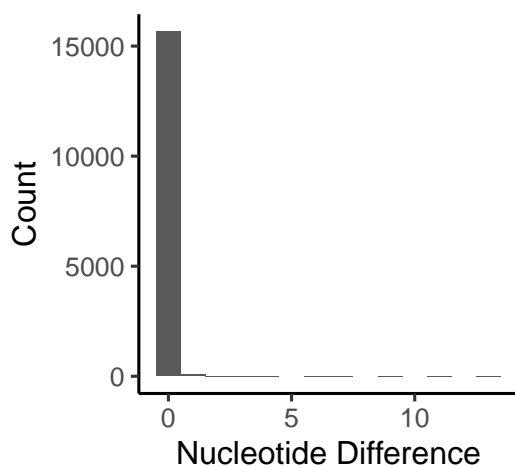
### TRBV2\*ap01

16718 sequences assigned  
16661 (99.7%) exact matches, in which:  
16634 unique CDR3  
13 unique J



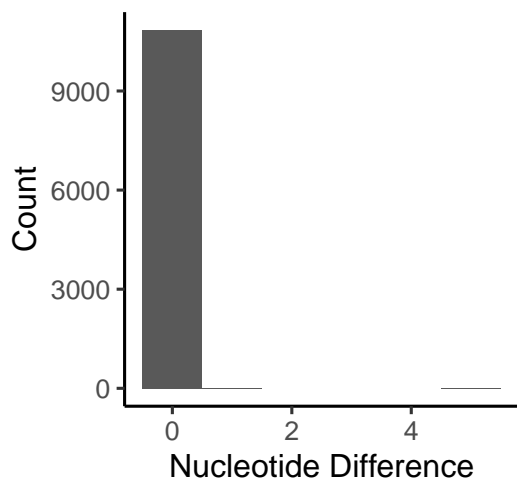
### TRBV30\*ap01

15763 sequences assigned  
15664 (99.4%) exact matches, in which:  
15629 unique CDR3  
13 unique J



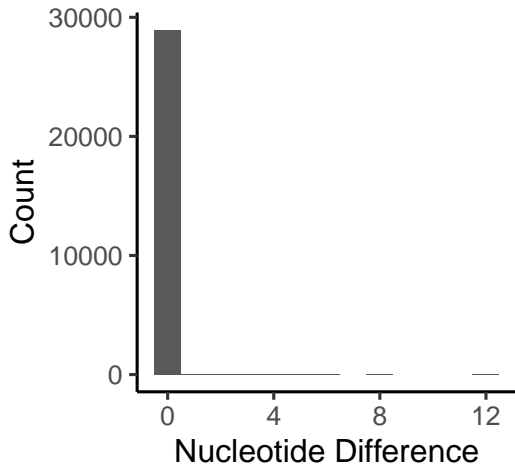
### TRBV18\*ap01

10859 sequences assigned  
10844 (99.9%) exact matches, in which:  
10841 unique CDR3  
12 unique J



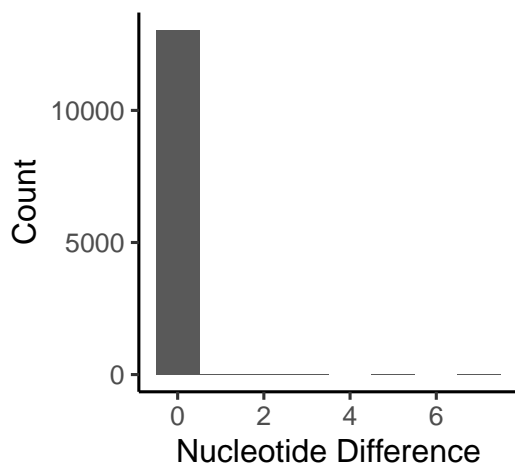
### TRBV27\*ap01

29058 sequences assigned  
28953 (99.6%) exact matches, in which:  
28869 unique CDR3  
13 unique J



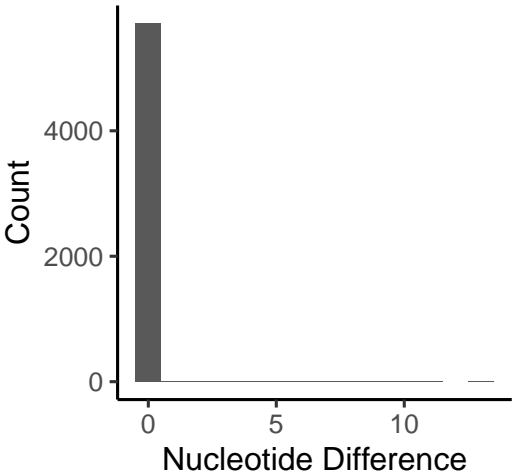
### TRBV9\*ap01

13074 sequences assigned  
13052 (99.8%) exact matches, in which:  
13044 unique CDR3  
13 unique J



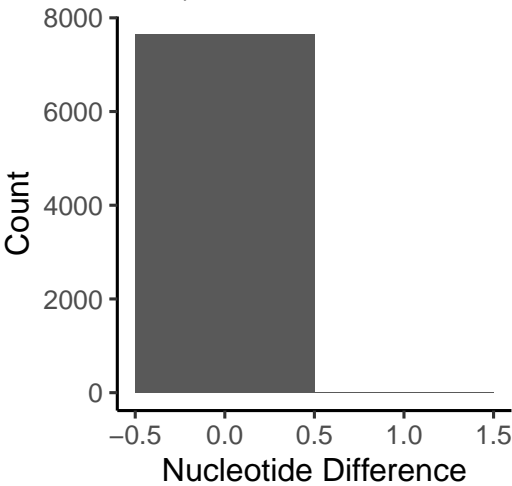
TRBV21-1\*ap01

5766 sequences assigned  
5712 (99.1%) exact matches, in which:  
5711 unique CDR3  
13 unique J



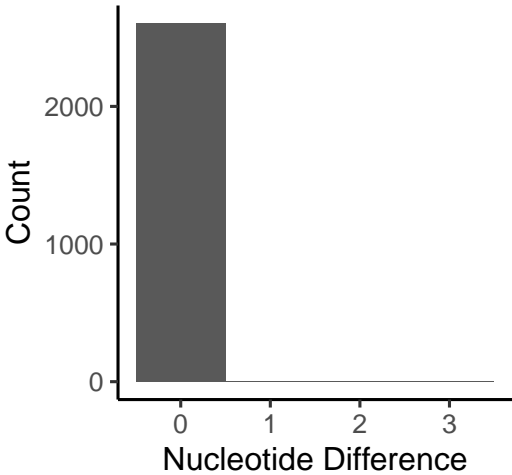
TRBV11-3\*ap01

7658 sequences assigned  
7646 (99.8%) exact matches, in which:  
7645 unique CDR3  
12 unique J



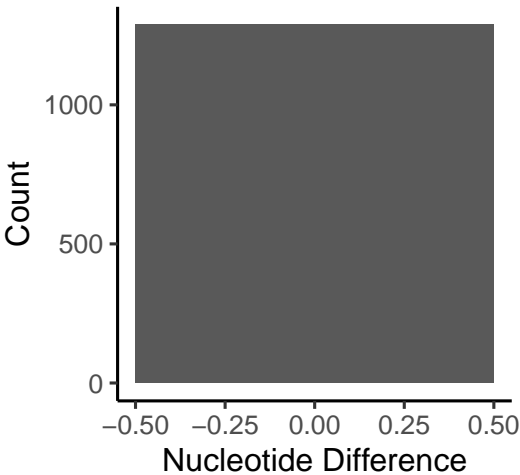
TRBV12-5\*ap01

2609 sequences assigned  
2603 (99.8%) exact matches, in which:  
2603 unique CDR3  
12 unique J



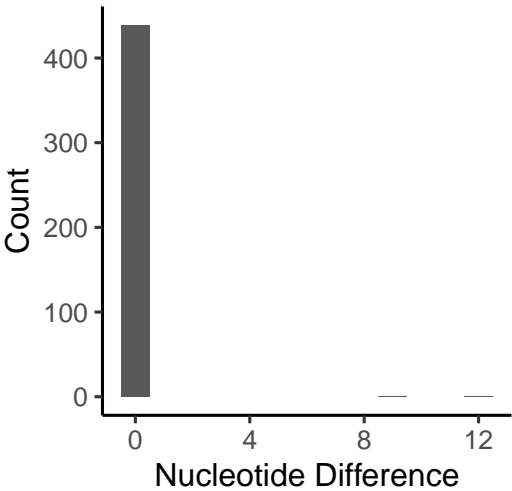
TRBV11-1\*ap01

1288 sequences assigned  
1288 (100%) exact matches, in which:  
1287 unique CDR3  
12 unique J



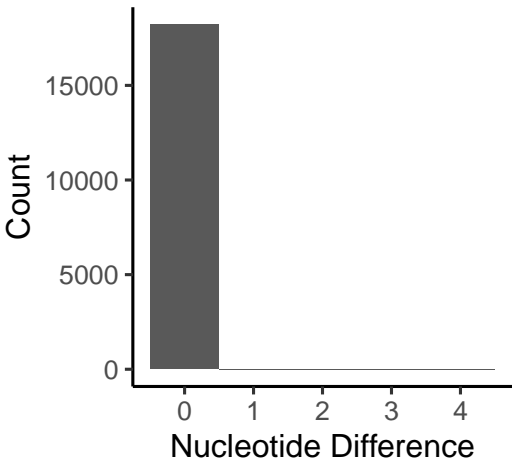
TRBV12-1\*ap01

441 sequences assigned  
439 (99.5%) exact matches, in which:  
438 unique CDR3  
12 unique J



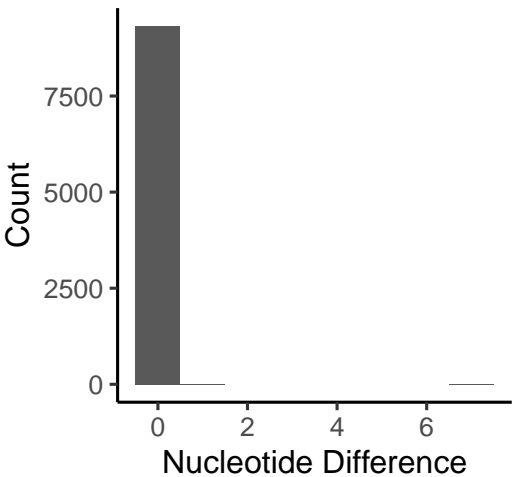
TRBV12-34\*ap01

18249 sequences assigned  
18219 (99.8%) exact matches, in which:  
18215 unique CDR3  
13 unique J



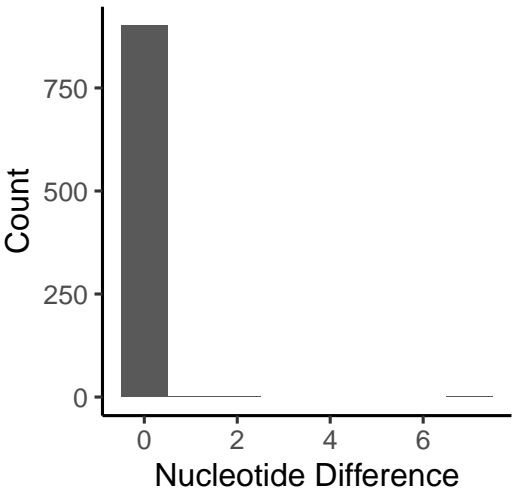
TRBV11-2\*ap01

9328 sequences assigned  
9320 (99.9%) exact matches, in which:  
9320 unique CDR3  
13 unique J



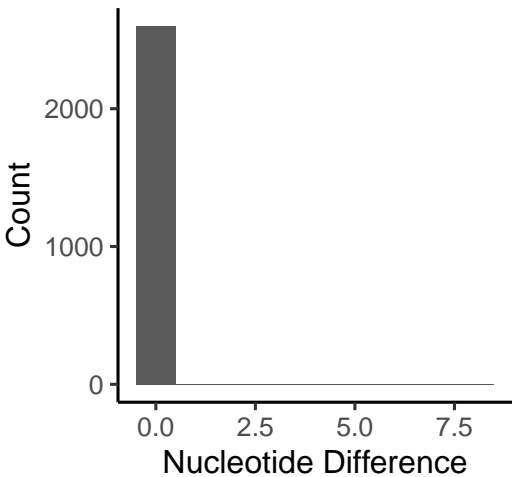
TRBV12-2\*ap01

907 sequences assigned  
902 (99.4%) exact matches, in which:  
902 unique CDR3  
12 unique J



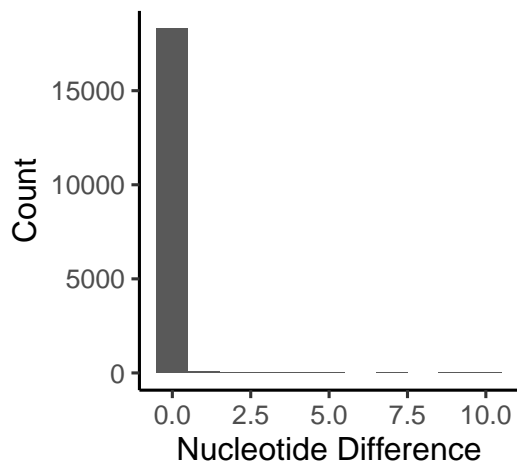
TRBV23-1\*ap01

2615 sequences assigned  
2600 (99.4%) exact matches, in which:  
2600 unique CDR3  
12 unique J



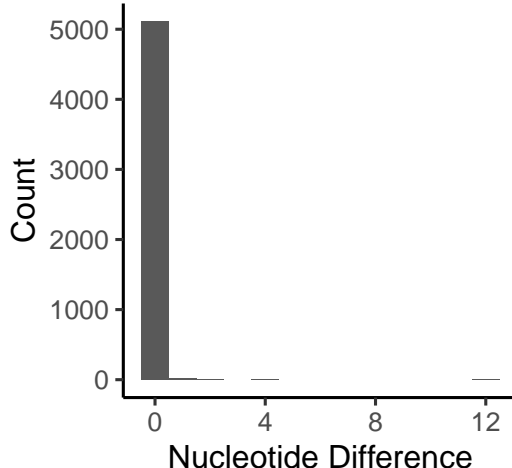
### TRBV3–12\*ap01

18391 sequences assigned  
18324 (99.6%) exact matches, in which:  
18275 unique CDR3  
13 unique J



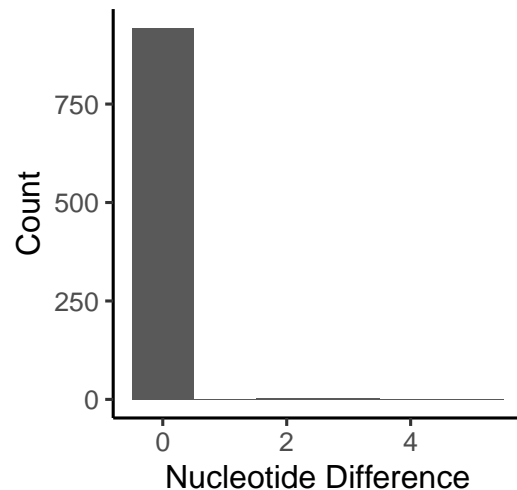
### TRBV4–2\*ap01

5131 sequences assigned  
5112 (99.6%) exact matches, in which:  
5111 unique CDR3  
13 unique J



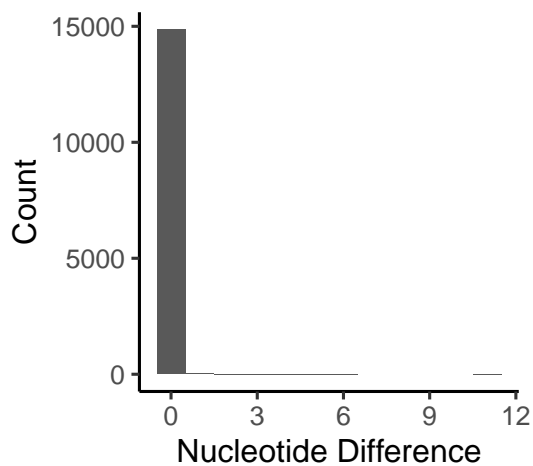
### TRBV5–3\*ap01

954 sequences assigned  
944 (99%) exact matches, in which:  
944 unique CDR3  
12 unique J



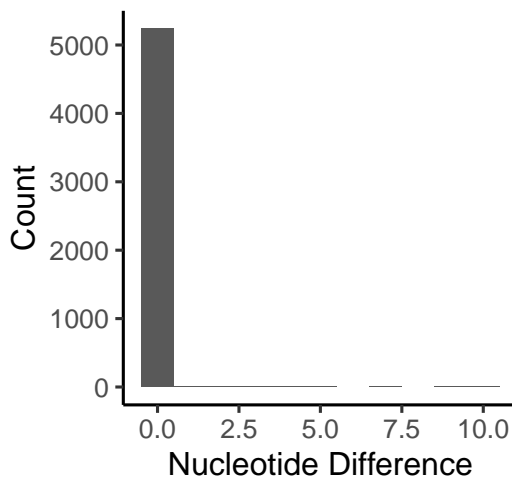
### TRBV24–1\*ap01

14905 sequences assigned  
14864 (99.7%) exact matches, in which:  
14834 unique CDR3  
13 unique J



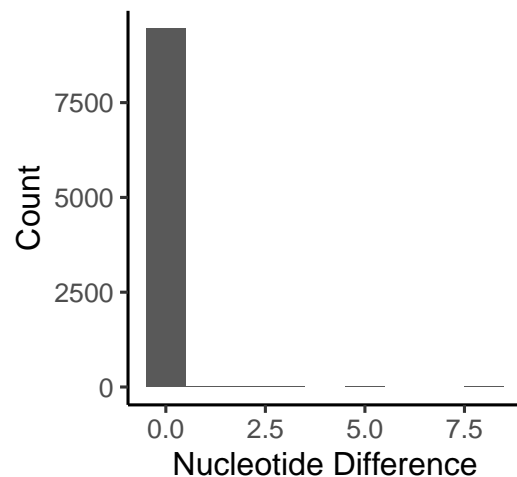
### TRBV25–1\*ap01

5262 sequences assigned  
5238 (99.5%) exact matches, in which:  
5226 unique CDR3  
13 unique J



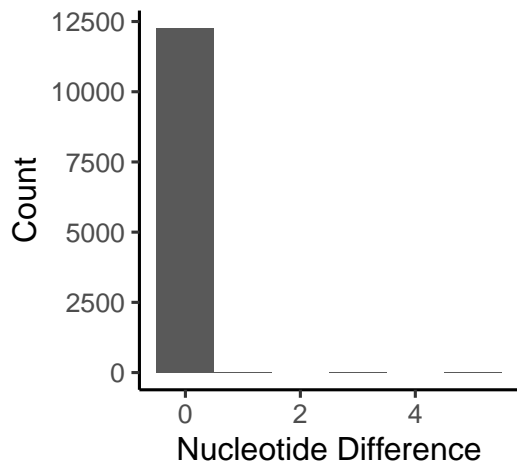
### TRBV5–4\*ap01

9472 sequences assigned  
9449 (99.8%) exact matches, in which:  
9448 unique CDR3  
13 unique J



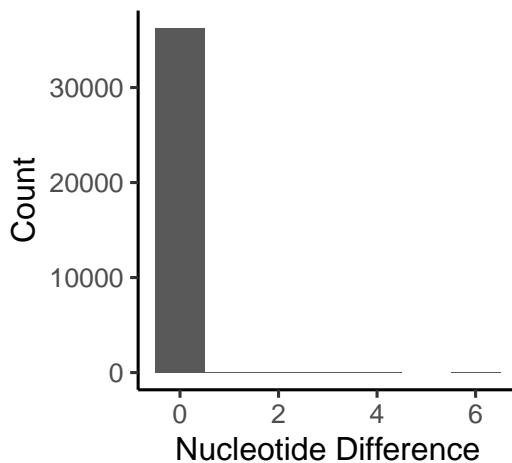
### TRBV4–1\*ap01

12298 sequences assigned  
12277 (99.8%) exact matches, in which:  
12272 unique CDR3  
13 unique J



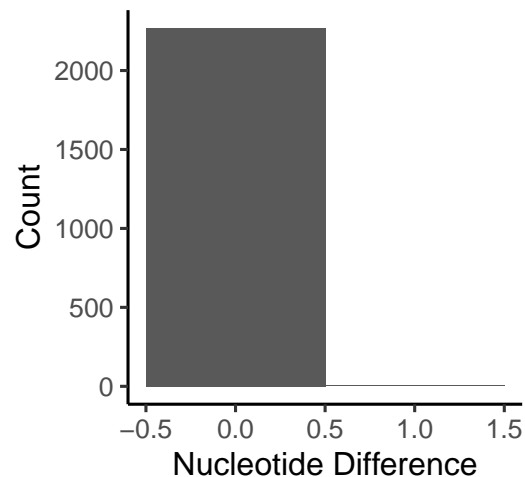
### TRBV5–1\*ap01

36353 sequences assigned  
36286 (99.8%) exact matches, in which:  
36224 unique CDR3  
14 unique J



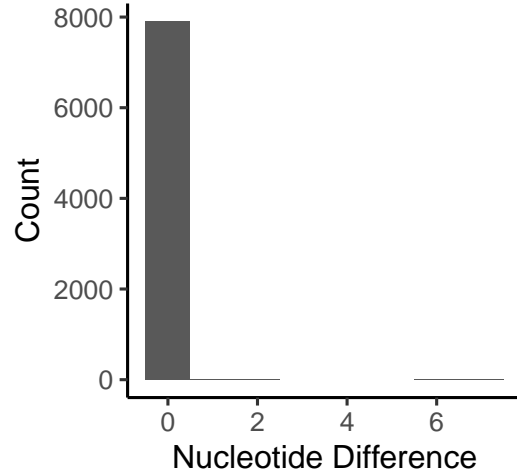
### TRBV5–5\*ap01

2273 sequences assigned  
2269 (99.8%) exact matches, in which:  
2265 unique CDR3  
12 unique J



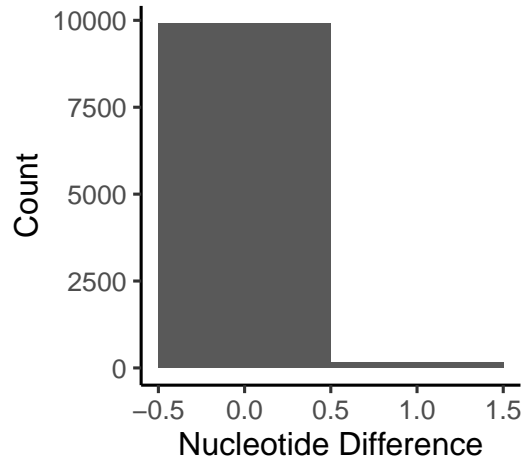
### TRBV5-6\*ap01

7922 sequences assigned  
7904 (99.8%) exact matches, in which:  
7880 unique CDR3  
13 unique J



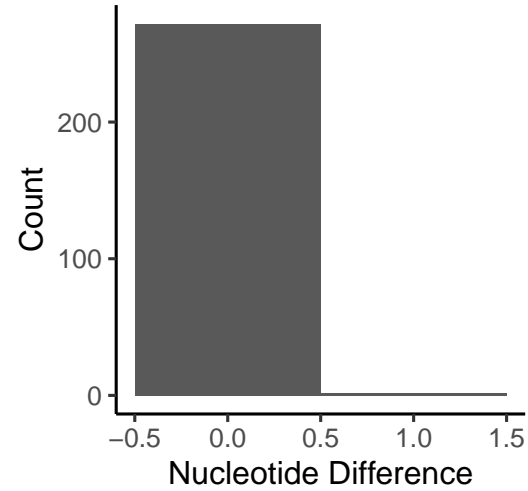
### TRBV6-1\*ap01

10076 sequences assigned  
9919 (98.4%) exact matches, in which:  
9910 unique CDR3  
13 unique J



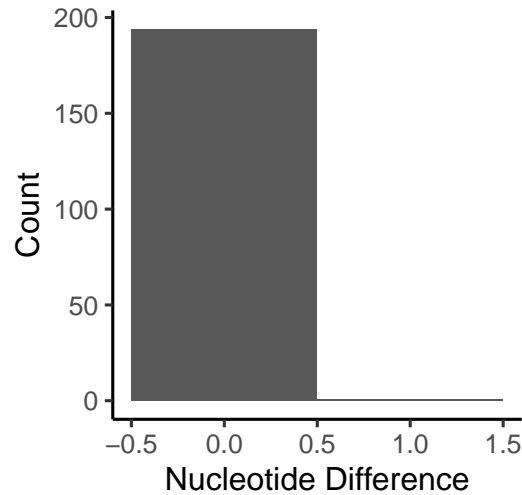
### TRBV6-8\*ap01

274 sequences assigned  
272 (99.3%) exact matches, in which:  
272 unique CDR3  
12 unique J



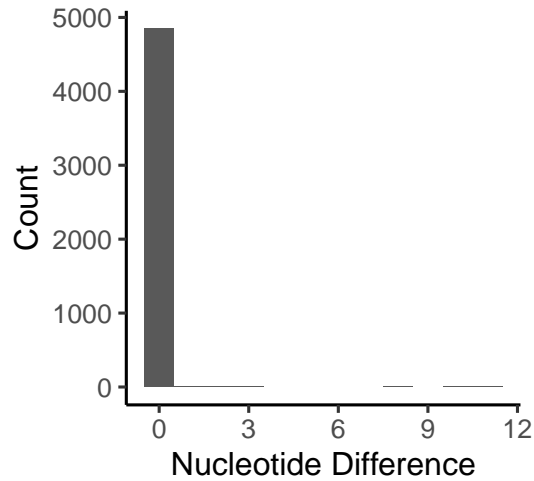
### TRBV5-7\*ap01

195 sequences assigned  
194 (99.5%) exact matches, in which:  
194 unique CDR3  
12 unique J



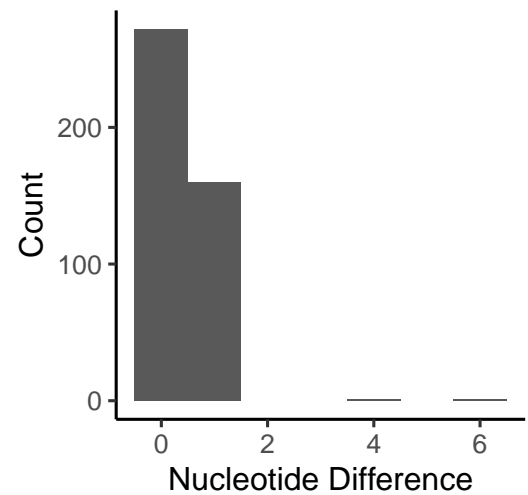
### TRBV6-4\*ap01

4867 sequences assigned  
4847 (99.6%) exact matches, in which:  
4847 unique CDR3  
12 unique J



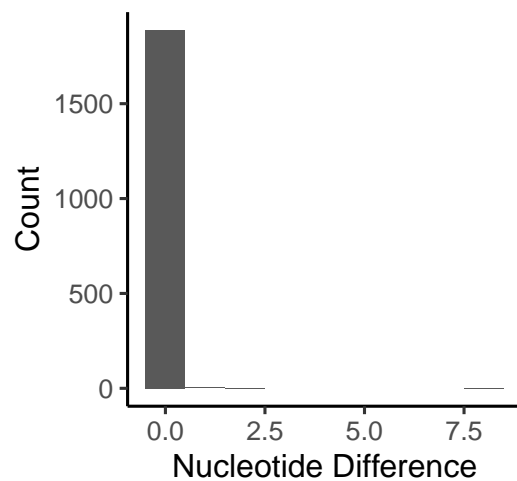
### TRBV6-9\*ap01

434 sequences assigned  
272 (62.7%) exact matches, in which:  
271 unique CDR3  
12 unique J



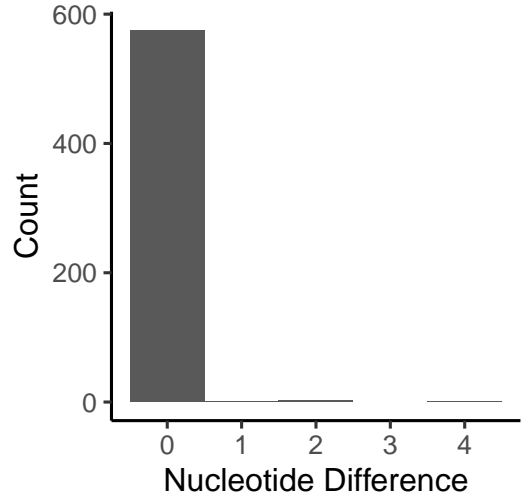
### TRBV5-8\*ap01

1897 sequences assigned  
1888 (99.5%) exact matches, in which:  
1888 unique CDR3  
13 unique J



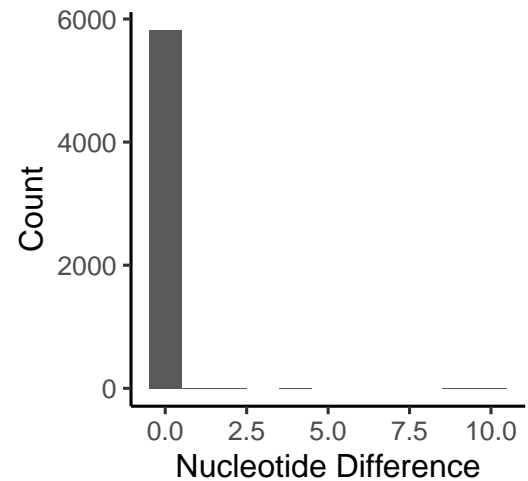
### TRBV6-7\*ap01

579 sequences assigned  
575 (99.3%) exact matches, in which:  
575 unique CDR3  
12 unique J



### TRBV6-23\*ap01

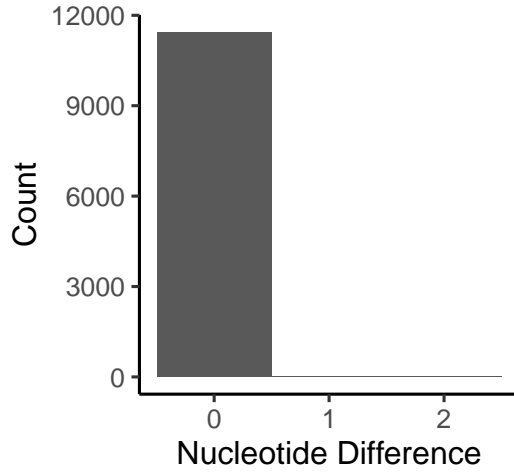
5832 sequences assigned  
5820 (99.8%) exact matches, in which:  
5808 unique CDR3  
12 unique J





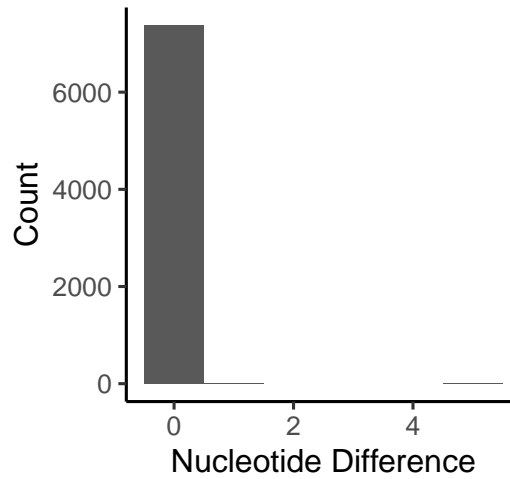
### TRBV6-56\*ap01

11460 sequences assigned  
11441 (99.8%) exact matches, in which:  
11428 unique CDR3  
13 unique J



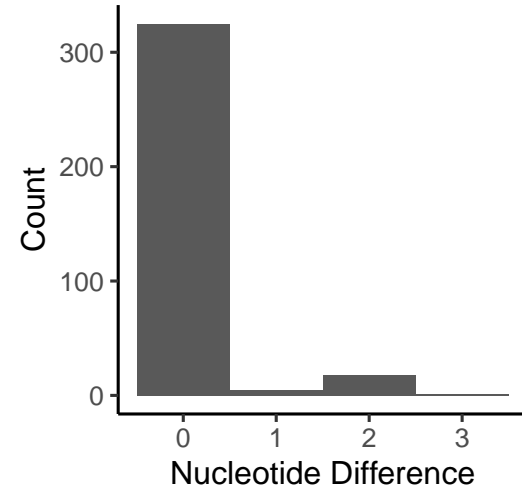
### TRBV7-2\*ap01

7381 sequences assigned  
7374 (99.9%) exact matches, in which:  
7373 unique CDR3  
13 unique J



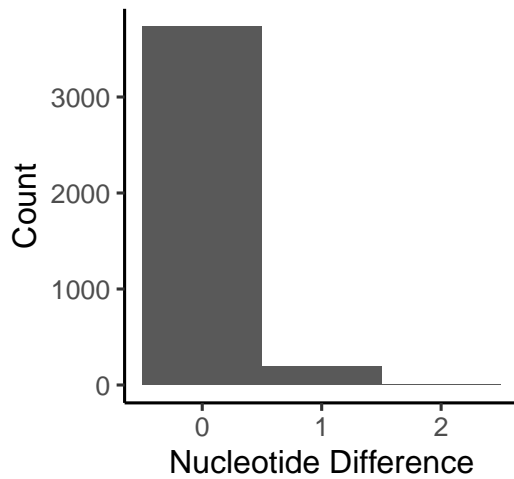
### TRBV7-4\*ap01

349 sequences assigned  
325 (93.1%) exact matches, in which:  
324 unique CDR3  
12 unique J



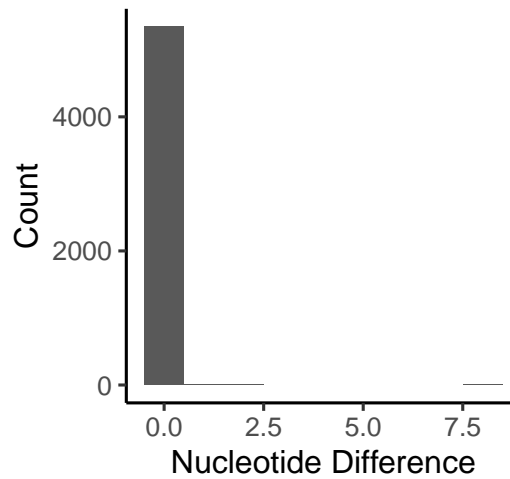
### TRBV6-56\*ap02

3927 sequences assigned  
3732 (95%) exact matches, in which:  
3729 unique CDR3  
13 unique J



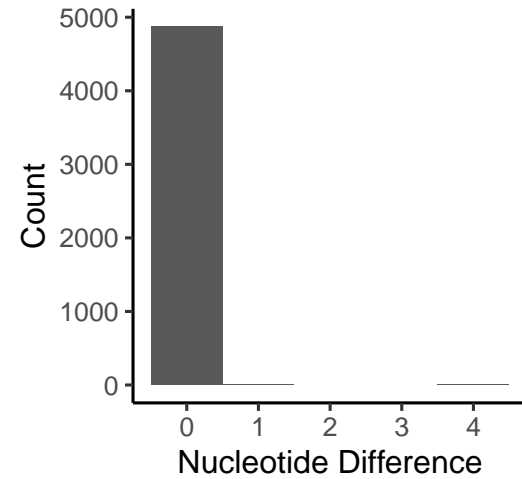
### TRBV7-3\*ap01

5356 sequences assigned  
5344 (99.8%) exact matches, in which:  
5340 unique CDR3  
13 unique J



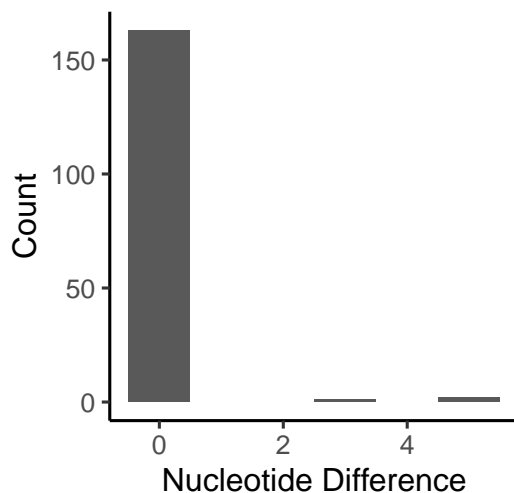
### TRBV7-6\*ap01

4876 sequences assigned  
4871 (99.9%) exact matches, in which:  
4868 unique CDR3  
12 unique J



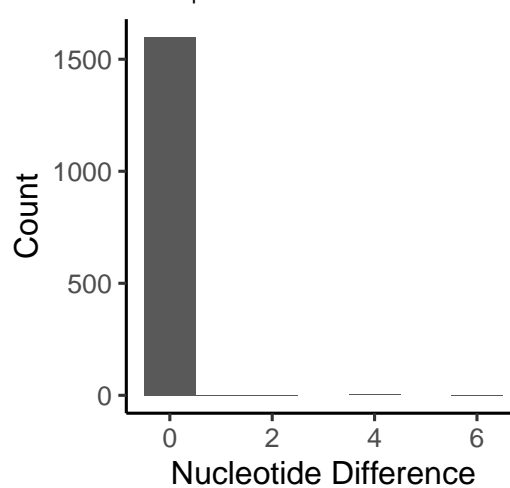
### TRBV7-1\*ap01\_G291C\_

166 sequences assigned  
163 (98.2%) exact matches, in which:  
163 unique CDR3  
12 unique J



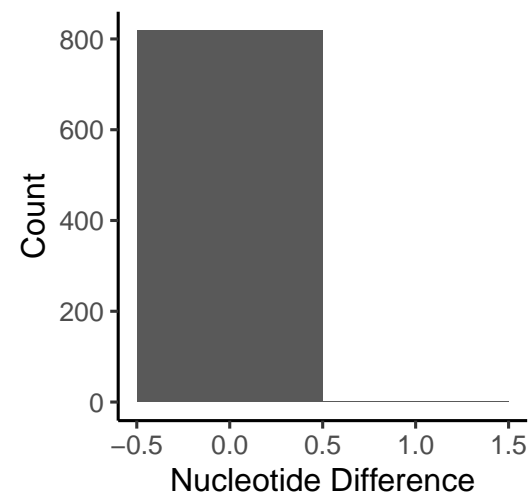
### TRBV7-3\*ap03

1607 sequences assigned  
1599 (99.5%) exact matches, in which:  
1598 unique CDR3  
12 unique J



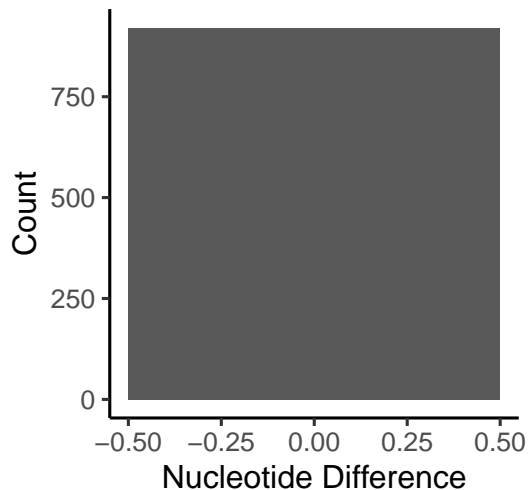
### TRBV7-7\*ap01

821 sequences assigned  
819 (99.8%) exact matches, in which:  
819 unique CDR3  
12 unique J



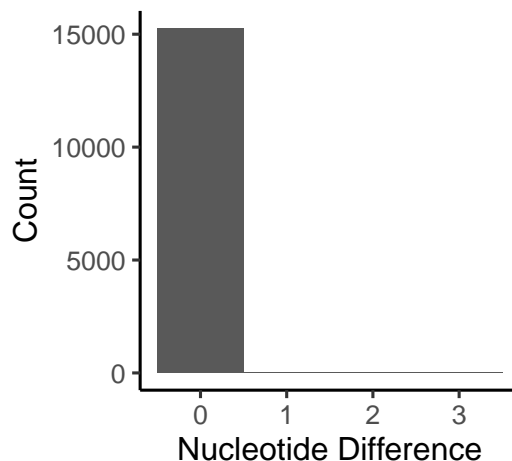
### TRBV7-7\*ap01\_C315T

921 sequences assigned  
921 (100%) exact matches, in which:  
921 unique CDR3  
12 unique J



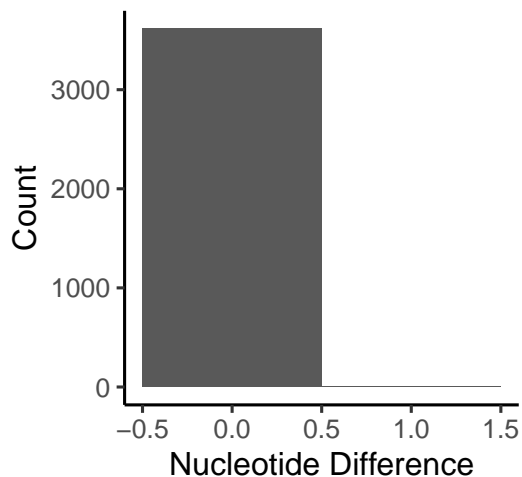
### TRBV7-9\*ap01

15296 sequences assigned  
15268 (99.8%) exact matches, in which:  
15266 unique CDR3  
12 unique J



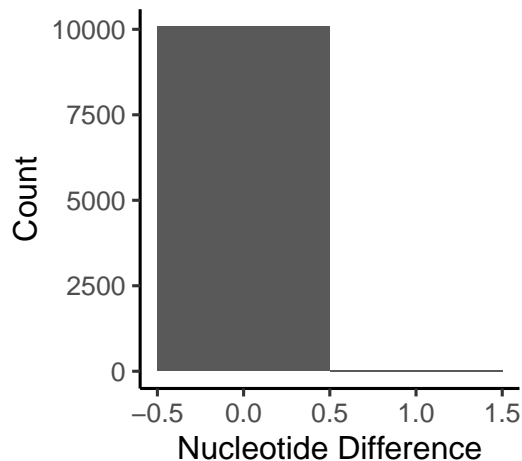
### TRBV7-8\*ap01

3617 sequences assigned  
3615 (99.9%) exact matches, in which:  
3615 unique CDR3  
12 unique J



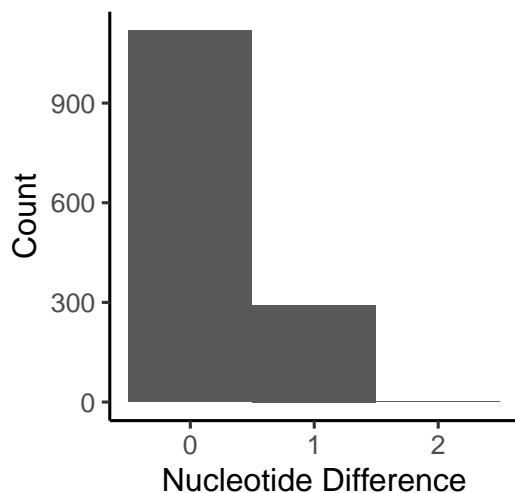
### TRBV29-1\*ap01

10117 sequences assigned  
10083 (99.7%) exact matches, in which:  
10065 unique CDR3  
13 unique J



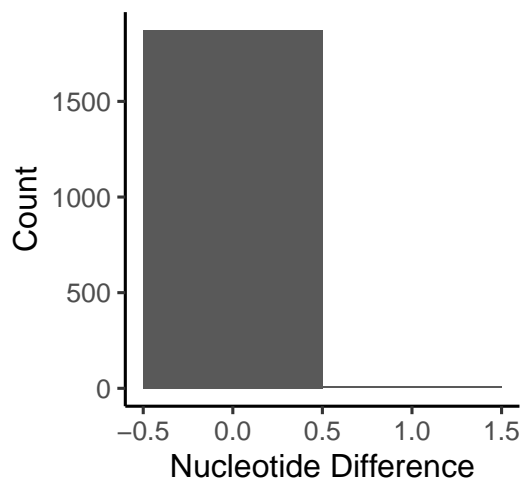
### TRBV7-8\*ap03

1413 sequences assigned  
1119 (79.2%) exact matches, in which:  
1119 unique CDR3  
12 unique J

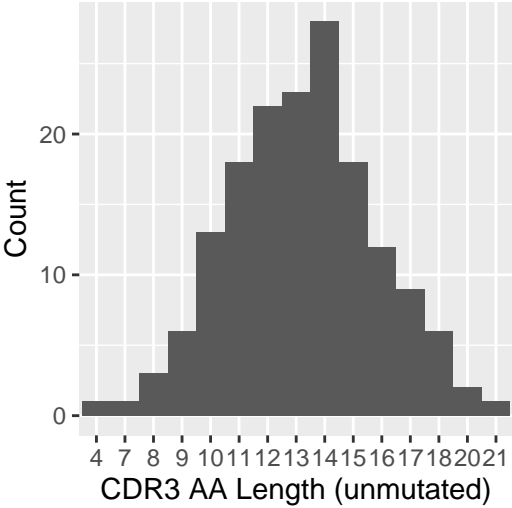


### TRBV29-1\*ap02

1883 sequences assigned  
1873 (99.5%) exact matches, in which:  
1872 unique CDR3  
12 unique J



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



TRBV7-7\*ap01\_C315T

