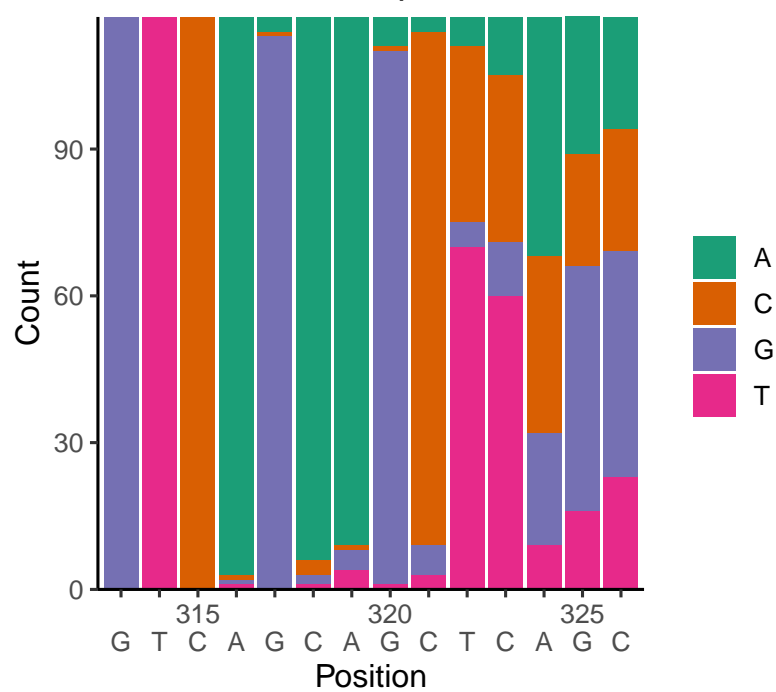
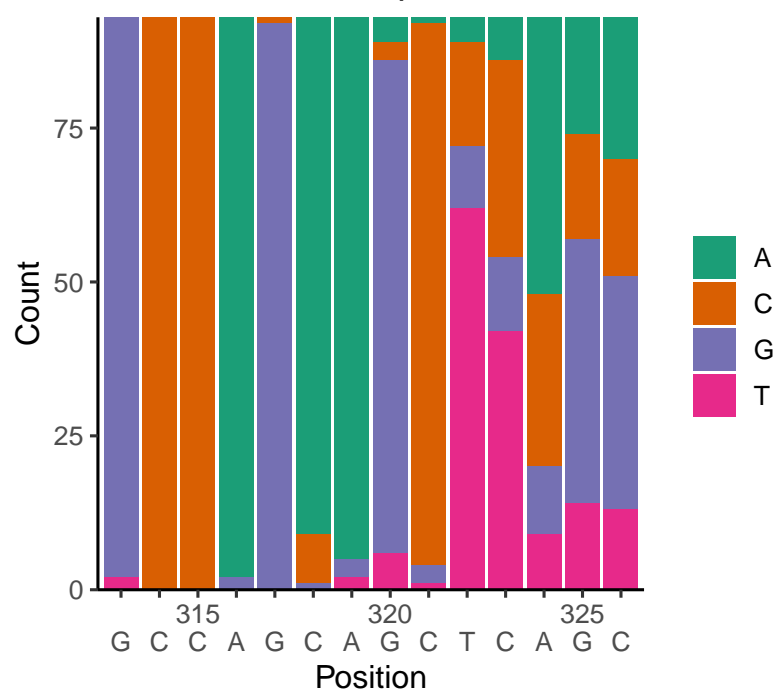


Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



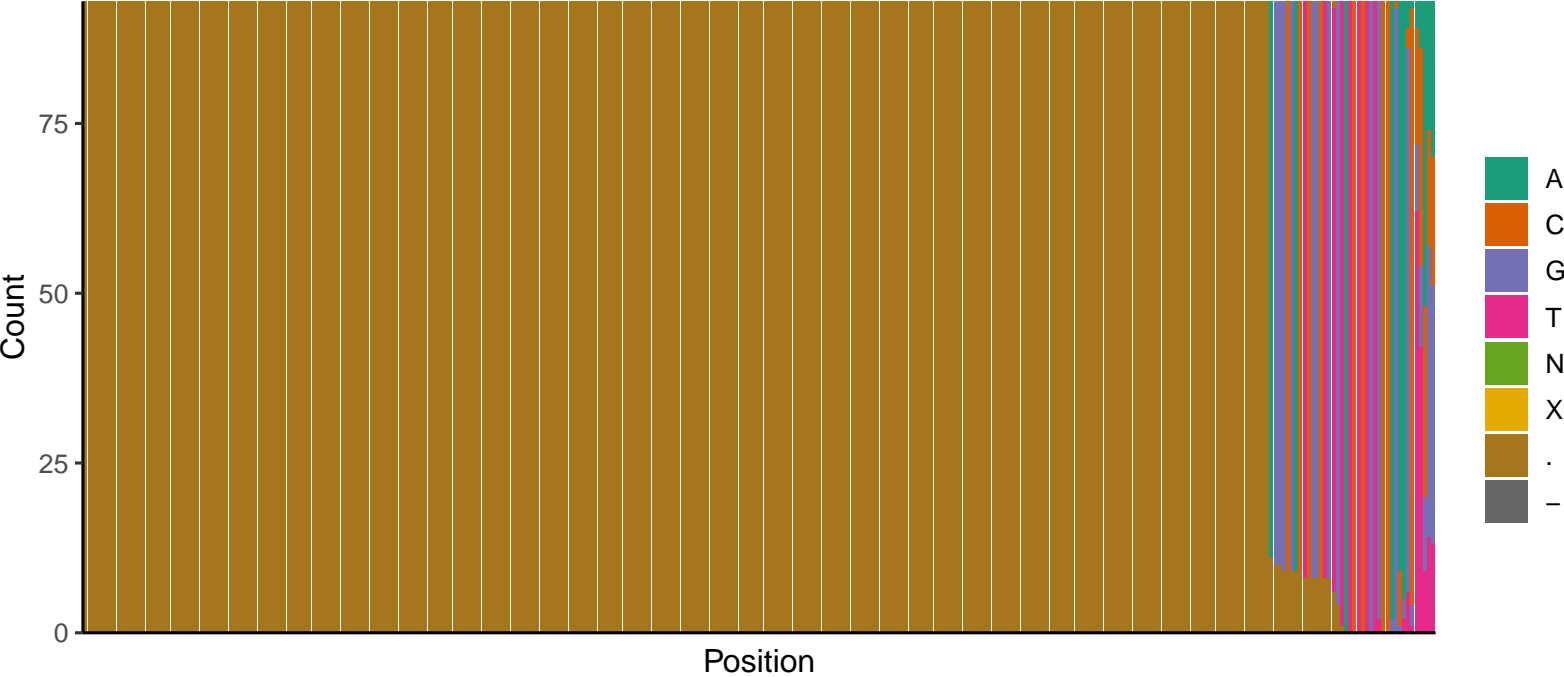
Gene TRBV7-1\*ap01\_G291C\_T296C



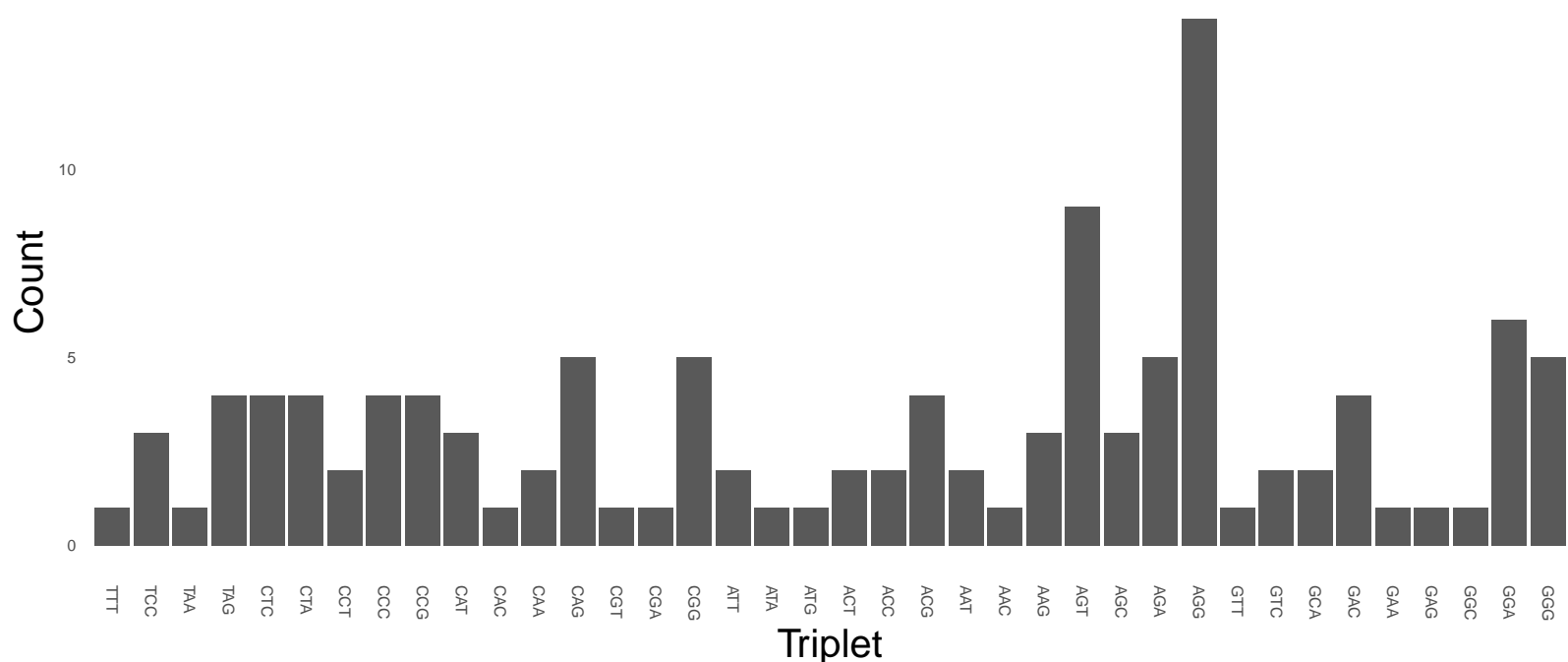
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



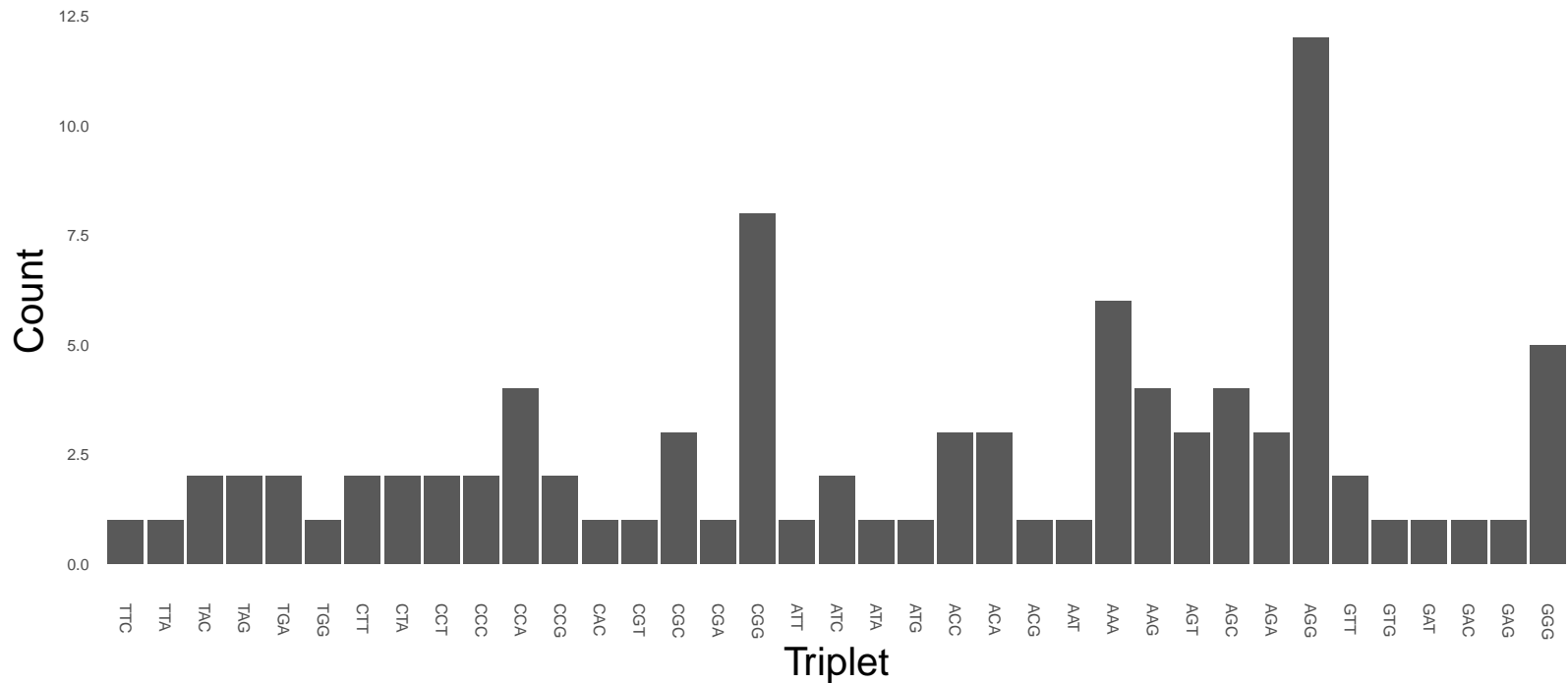
Gene TRBV7-1\*ap01\_G291C\_T296C



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

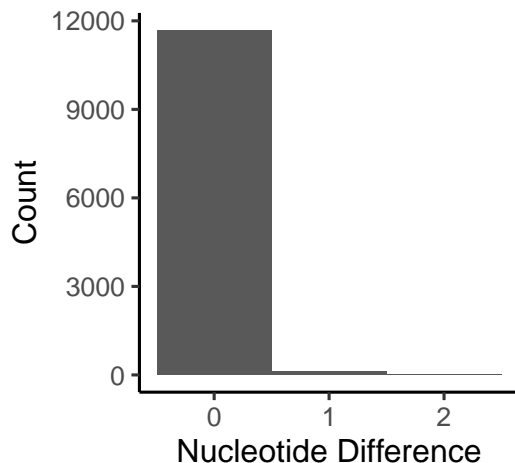


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



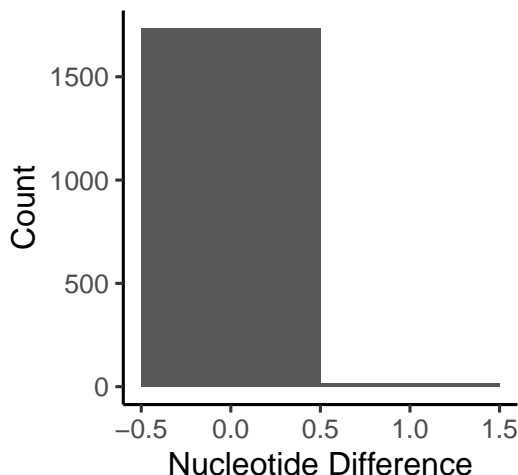
### TRBV20-1\*ap01

11821 sequences assigned  
11685 (98.8%) exact matches, in which:  
11422 unique CDR3  
13 unique J



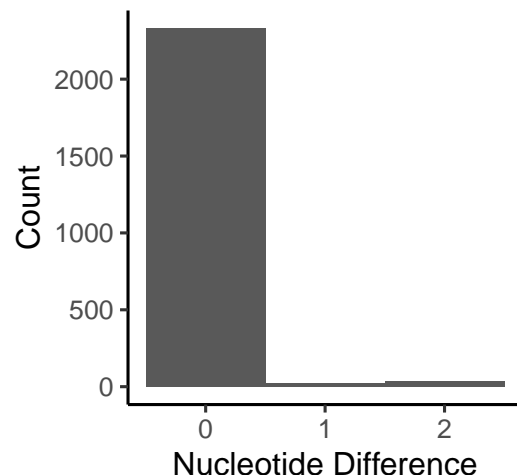
### TRBV10-2\*ap01

1750 sequences assigned  
1734 (99.1%) exact matches, in which:  
1685 unique CDR3  
13 unique J



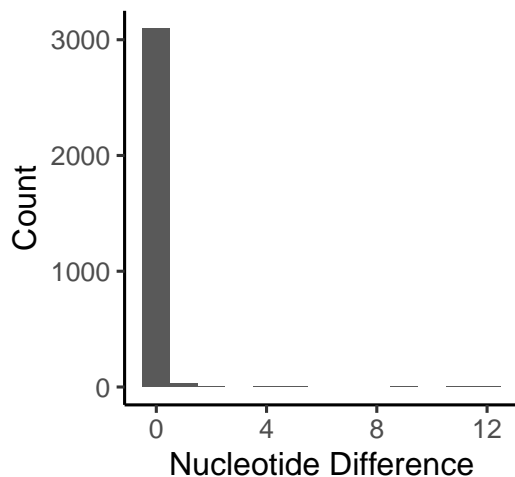
### TRBV13\*ap01

2388 sequences assigned  
2330 (97.6%) exact matches, in which:  
2222 unique CDR3  
13 unique J



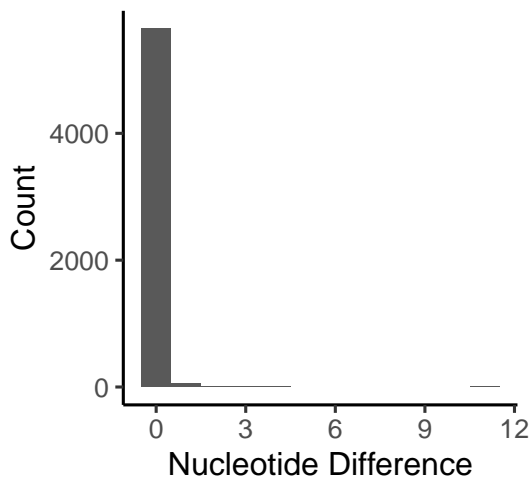
### TRBV10-1\*ap01

3134 sequences assigned  
3095 (98.8%) exact matches, in which:  
3015 unique CDR3  
13 unique J



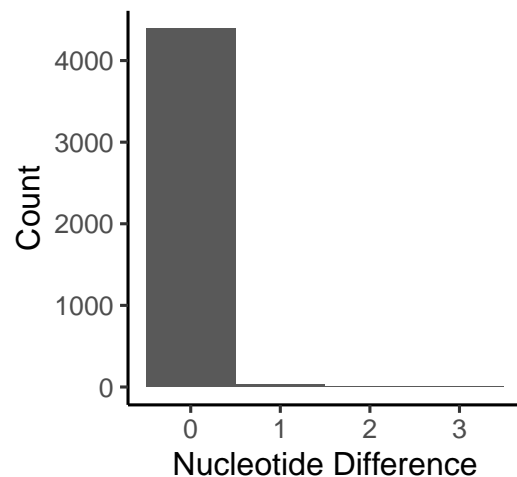
### TRBV10-3\*ap01

5713 sequences assigned  
5650 (98.9%) exact matches, in which:  
5498 unique CDR3  
13 unique J



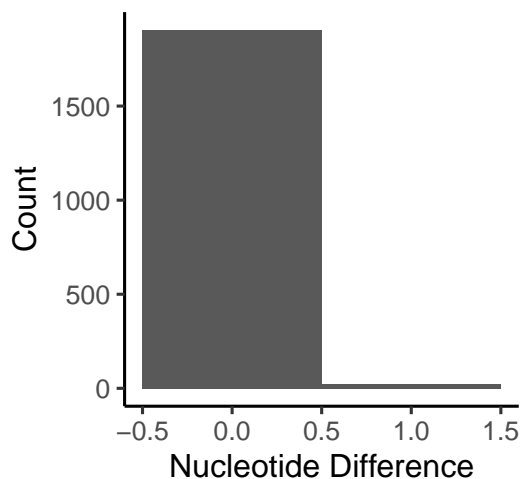
### TRBV14\*ap01

4428 sequences assigned  
4390 (99.1%) exact matches, in which:  
4288 unique CDR3  
13 unique J



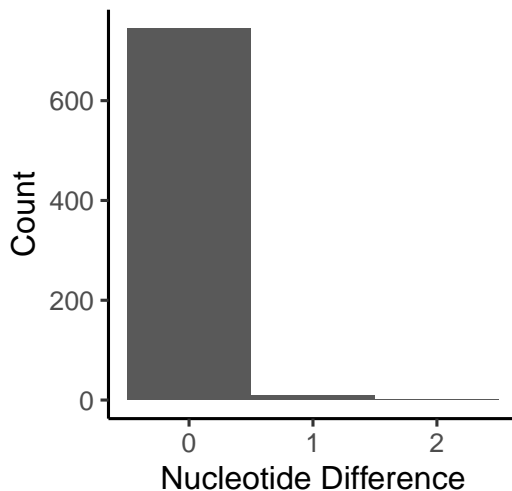
### TRBV20-1\*ap02

1928 sequences assigned  
1904 (98.8%) exact matches, in which:  
1871 unique CDR3  
13 unique J



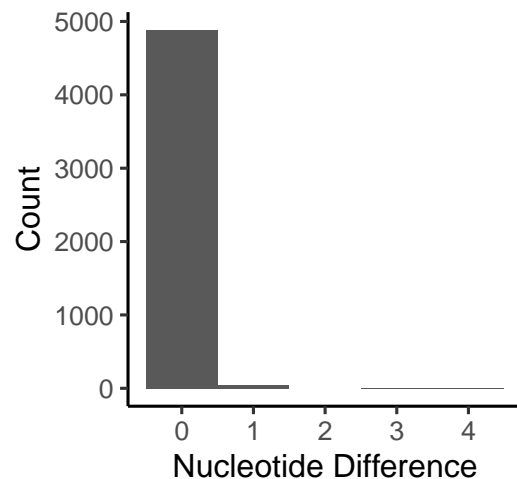
### TRBV1\*ap01

755 sequences assigned  
745 (98.7%) exact matches, in which:  
727 unique CDR3  
13 unique J



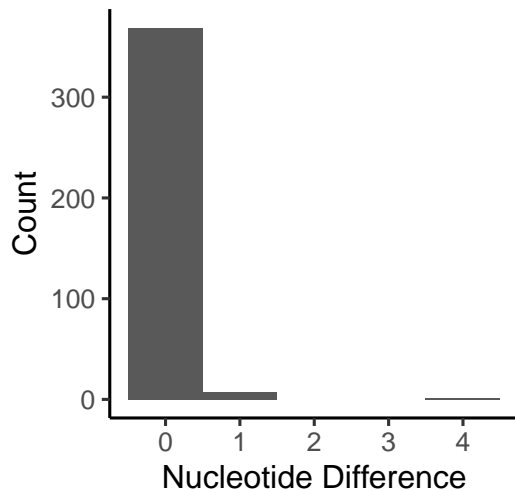
### TRBV15\*ap02

4931 sequences assigned  
4883 (99%) exact matches, in which:  
4719 unique CDR3  
13 unique J



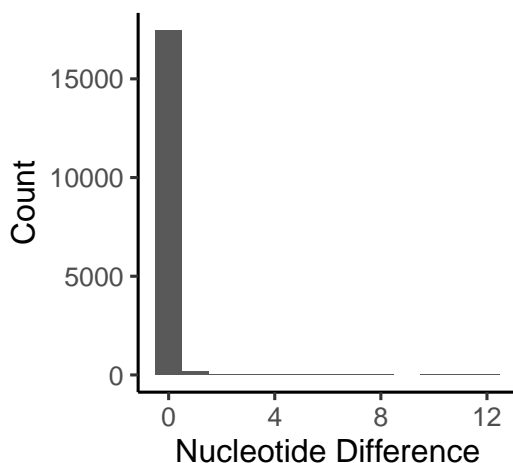
### TRBV16\*ap01

377 sequences assigned  
369 (97.9%) exact matches, in which:  
362 unique CDR3  
13 unique J



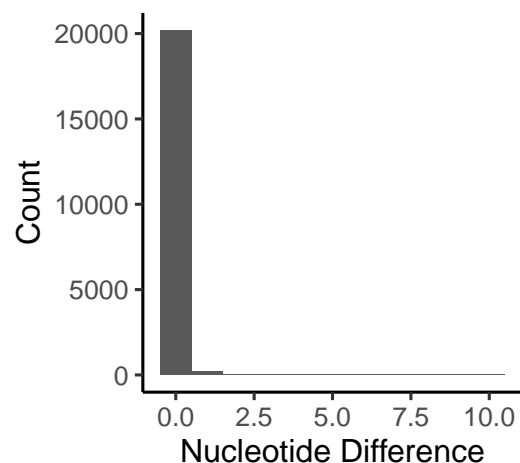
### TRBV19\*ap01

17657 sequences assigned  
17468 (98.9%) exact matches, in which:  
17204 unique CDR3  
13 unique J



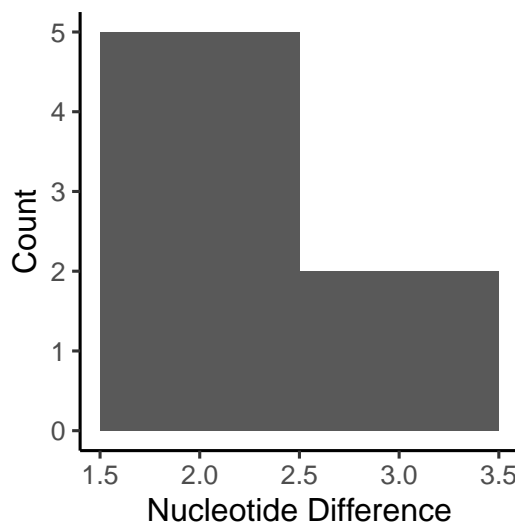
### TRBV27\*ap01

20454 sequences assigned  
20201 (98.8%) exact matches, in which:  
19618 unique CDR3  
13 unique J



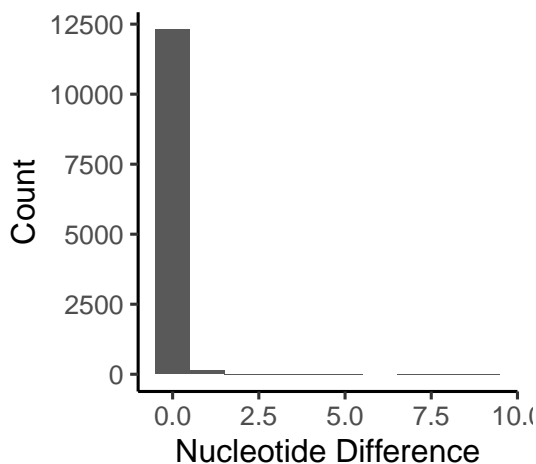
### TRBV17\*ap01

7 sequences assigned  
No exact matches.



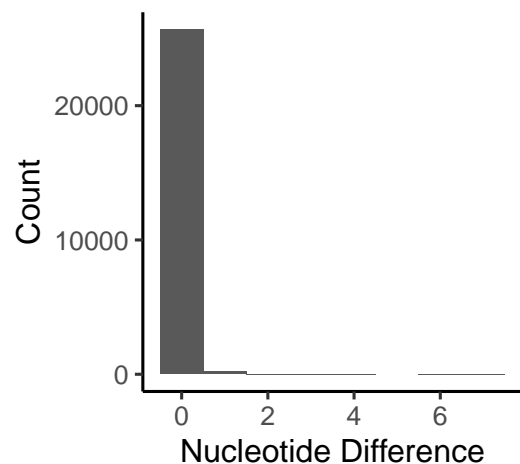
### TRBV2\*ap01

12470 sequences assigned  
12310 (98.7%) exact matches, in which:  
11966 unique CDR3  
13 unique J



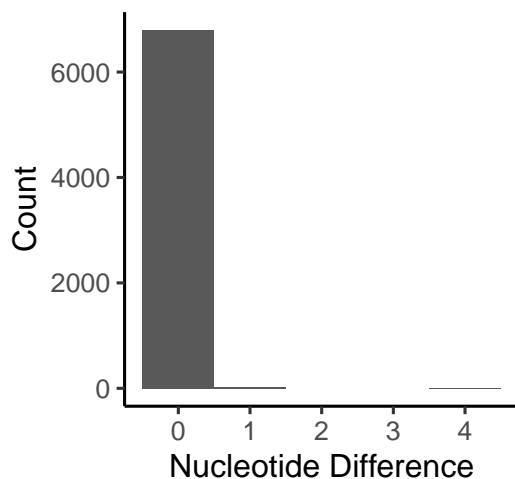
### TRBV28\*ap01

25896 sequences assigned  
25673 (99.1%) exact matches, in which:  
25117 unique CDR3  
13 unique J



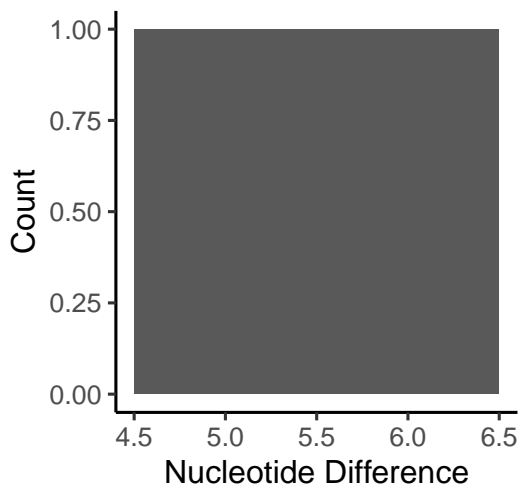
### TRBV18\*ap01

6829 sequences assigned  
6797 (99.5%) exact matches, in which:  
6669 unique CDR3  
13 unique J



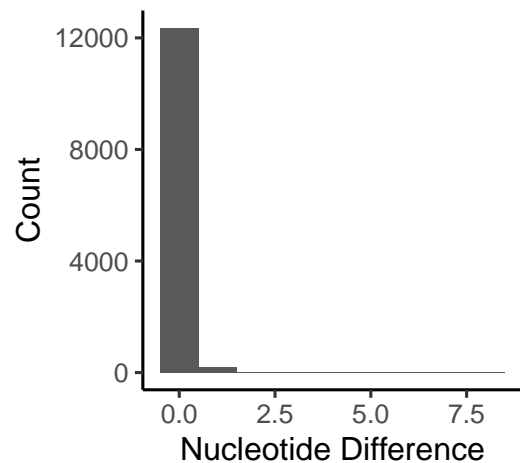
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



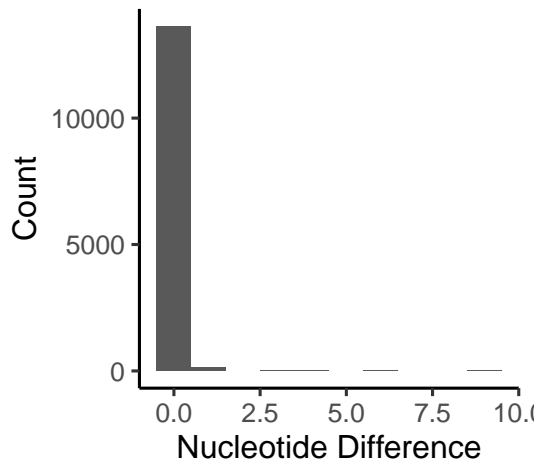
### TRBV30\*ap01

12571 sequences assigned  
12362 (98.3%) exact matches, in which:  
12073 unique CDR3  
13 unique J



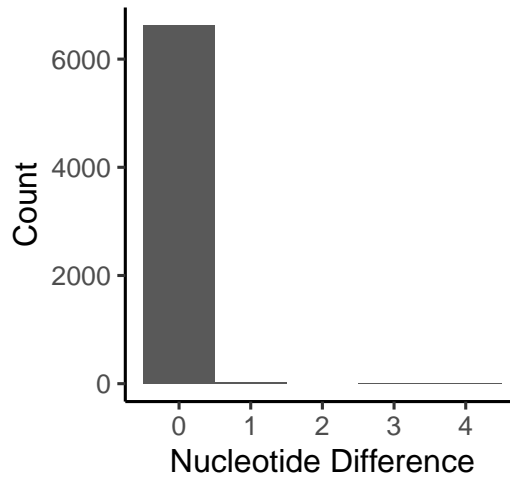
### TRBV9\*ap01

13768 sequences assigned  
13637 (99%) exact matches, in which:  
13367 unique CDR3  
13 unique J



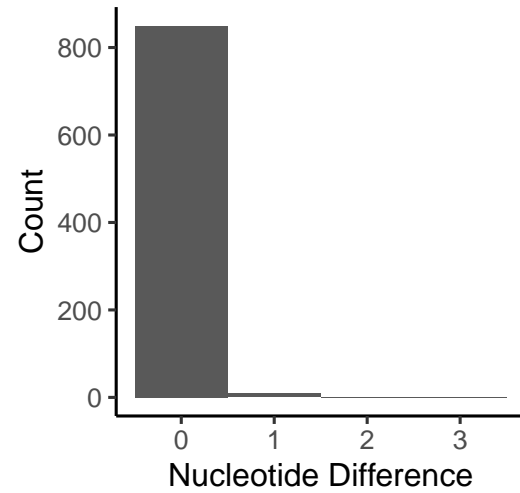
### TRBV11-2\*ap01

6654 sequences assigned  
6623 (99.5%) exact matches, in which:  
6530 unique CDR3  
13 unique J



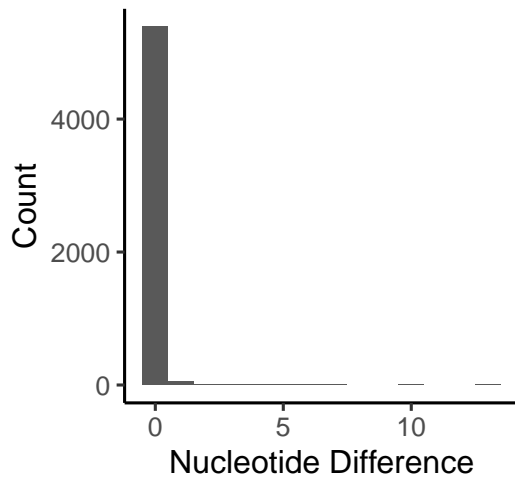
### TRBV12-2\*ap01

861 sequences assigned  
850 (98.7%) exact matches, in which:  
830 unique CDR3  
13 unique J



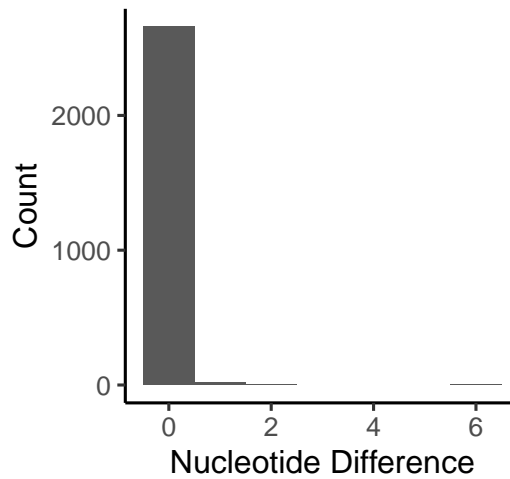
### TRBV21-1\*ap01

5467 sequences assigned  
5389 (98.6%) exact matches, in which:  
5316 unique CDR3  
13 unique J



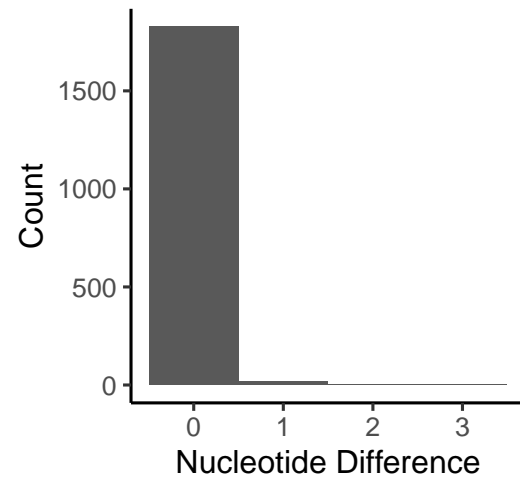
### TRBV11-3\*ap01

2681 sequences assigned  
2658 (99.1%) exact matches, in which:  
2625 unique CDR3  
13 unique J



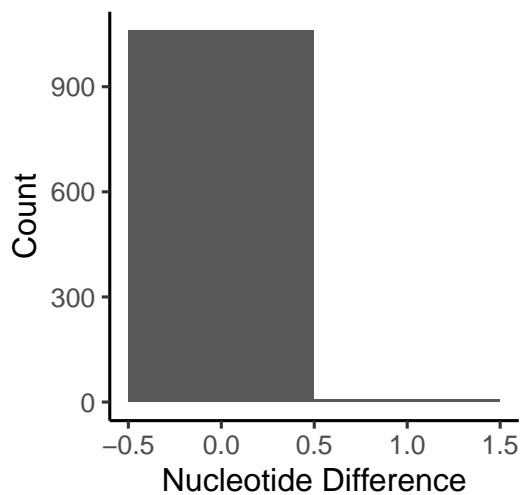
### TRBV12-5\*ap01

1846 sequences assigned  
1827 (99%) exact matches, in which:  
1796 unique CDR3  
13 unique J



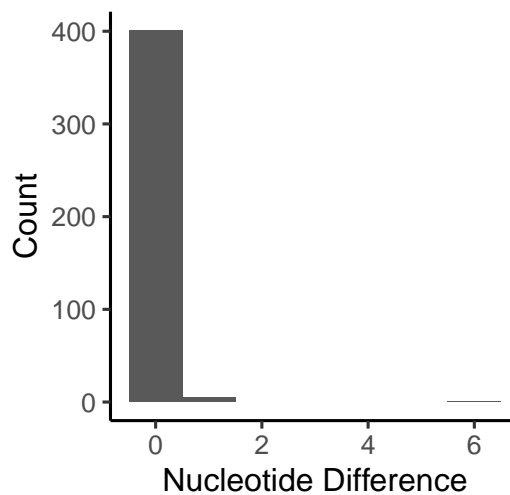
### TRBV11-1\*ap01

1068 sequences assigned  
1061 (99.3%) exact matches, in which:  
1044 unique CDR3  
13 unique J



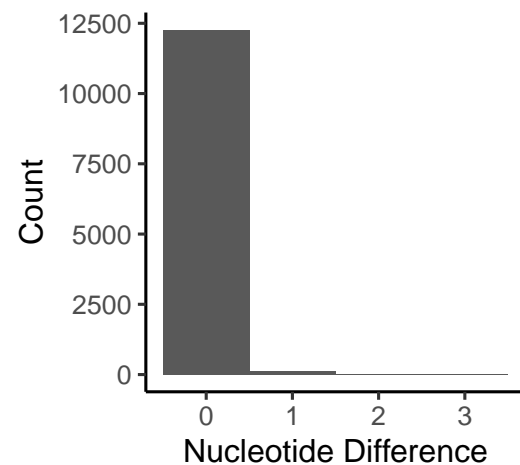
### TRBV12-1\*ap01

407 sequences assigned  
401 (98.5%) exact matches, in which:  
391 unique CDR3  
13 unique J



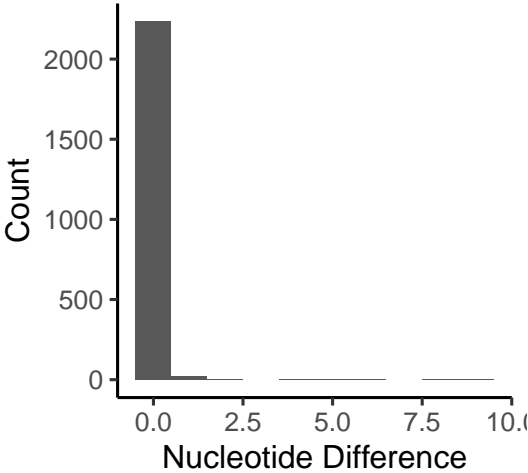
### TRBV12-34\*ap01

12392 sequences assigned  
12269 (99%) exact matches, in which:  
11959 unique CDR3  
13 unique J



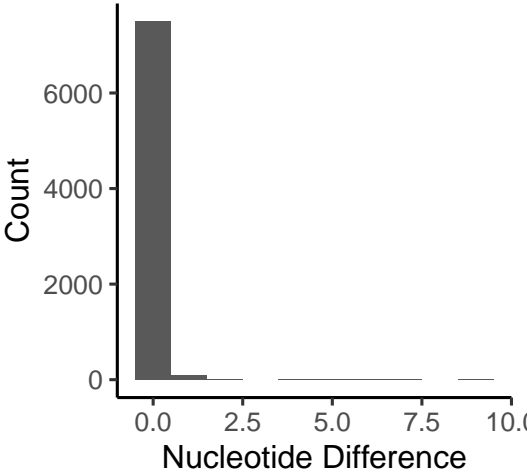
TRBV23-1\*ap01

2265 sequences assigned  
2235 (98.7%) exact matches, in which:  
2183 unique CDR3  
14 unique J



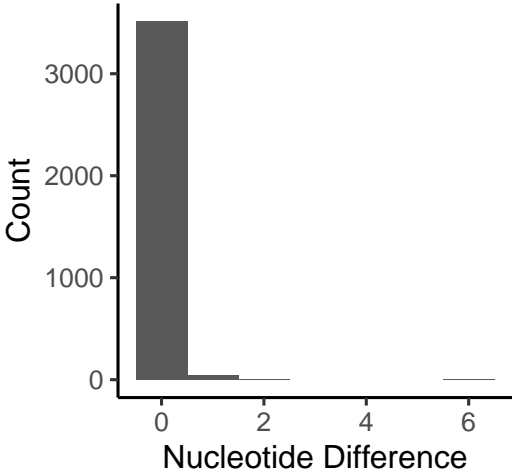
TRBV24-1\*ap01

7598 sequences assigned  
7498 (98.7%) exact matches, in which:  
7295 unique CDR3  
13 unique J



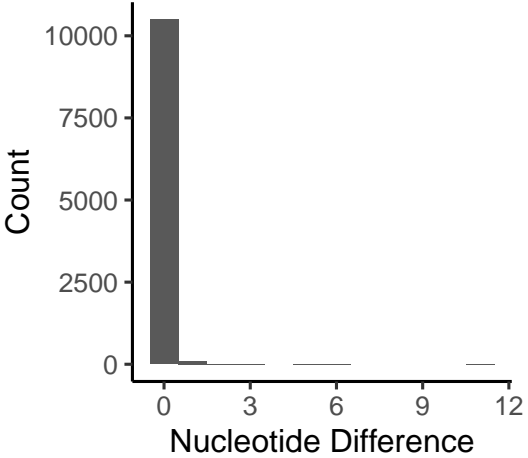
TRBV25-1\*ap01

3559 sequences assigned  
3513 (98.7%) exact matches, in which:  
3415 unique CDR3  
13 unique J



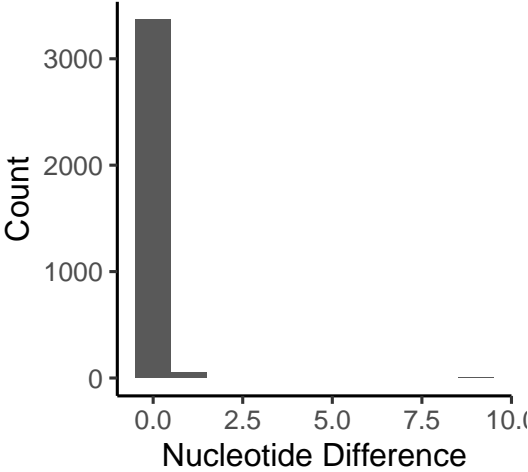
TRBV3-12\*ap01

10598 sequences assigned  
10497 (99%) exact matches, in which:  
10312 unique CDR3  
14 unique J



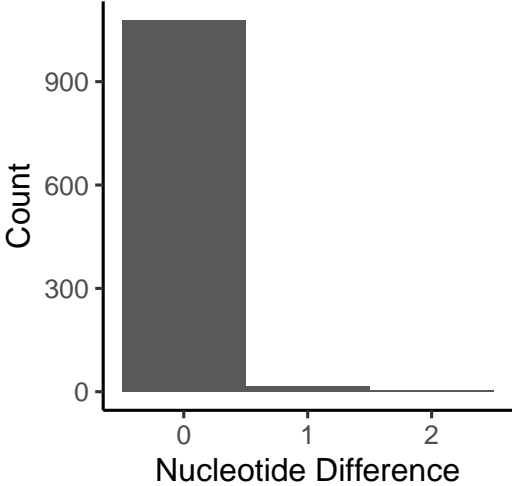
TRBV4-2\*ap01

3423 sequences assigned  
3367 (98.4%) exact matches, in which:  
3258 unique CDR3  
13 unique J



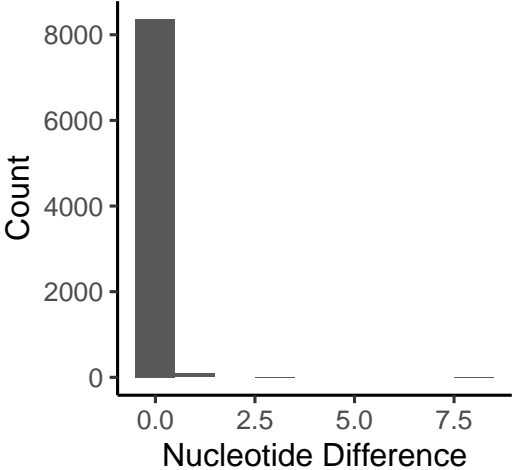
TRBV5-3\*ap01

1099 sequences assigned  
1079 (98.2%) exact matches, in which:  
1051 unique CDR3  
13 unique J



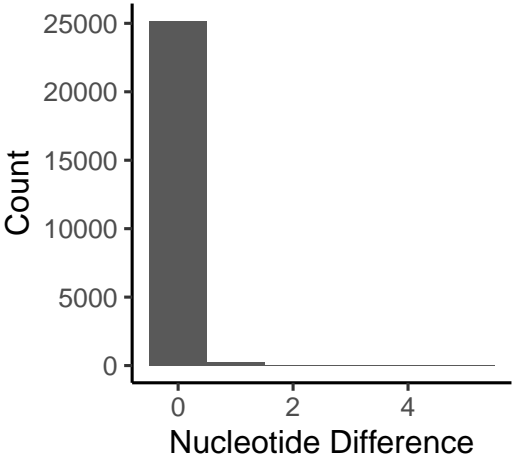
TRBV4-1\*ap01

8457 sequences assigned  
8367 (98.9%) exact matches, in which:  
8090 unique CDR3  
13 unique J



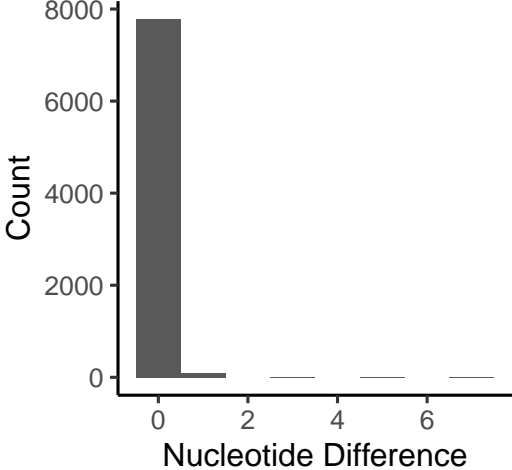
TRBV5-1\*ap01

25454 sequences assigned  
25186 (98.9%) exact matches, in which:  
24412 unique CDR3  
13 unique J



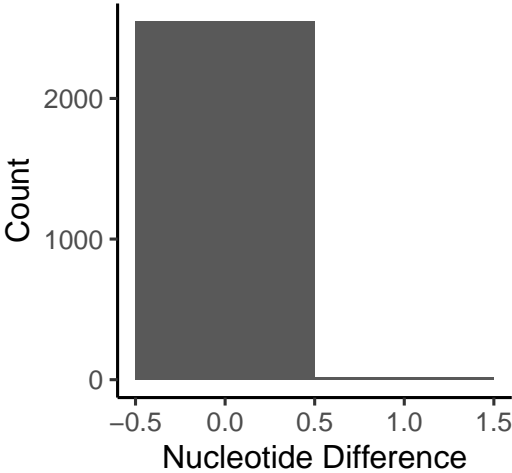
TRBV5-4\*ap01

7875 sequences assigned  
7782 (98.8%) exact matches, in which:  
7560 unique CDR3  
13 unique J



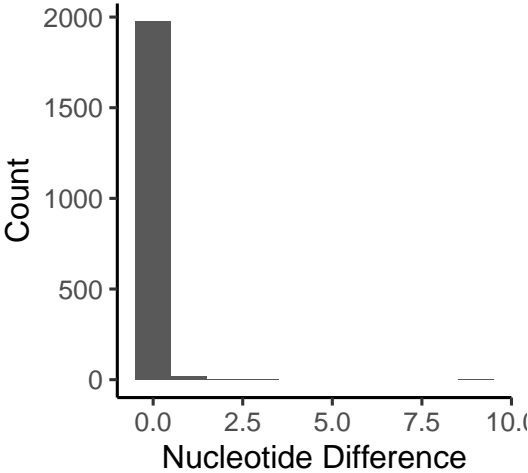
TRBV5-5\*ap01

2563 sequences assigned  
2548 (99.4%) exact matches, in which:  
2531 unique CDR3  
13 unique J



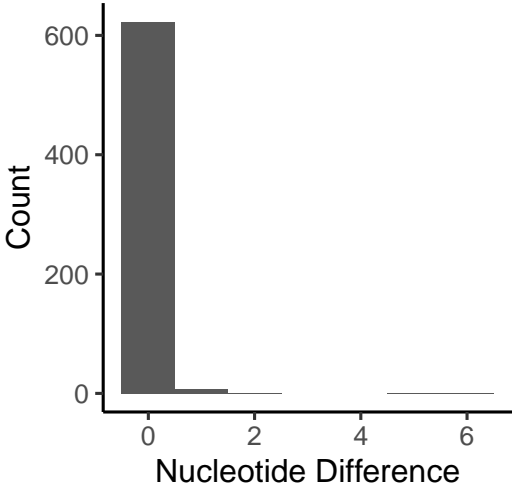
TRBV5-8\*ap01

1998 sequences assigned  
1976 (98.9%) exact matches, in which:  
1938 unique CDR3  
13 unique J



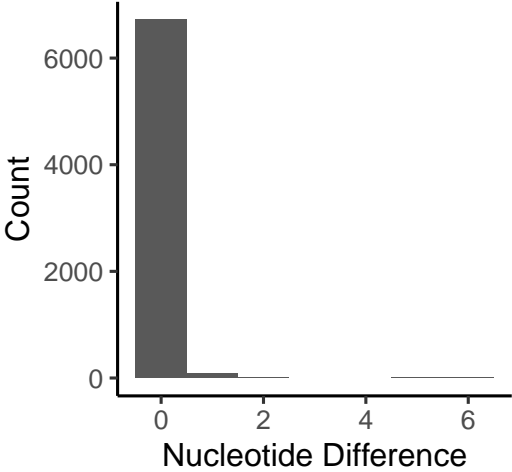
TRBV6-7\*ap01

633 sequences assigned  
623 (98.4%) exact matches, in which:  
606 unique CDR3  
13 unique J



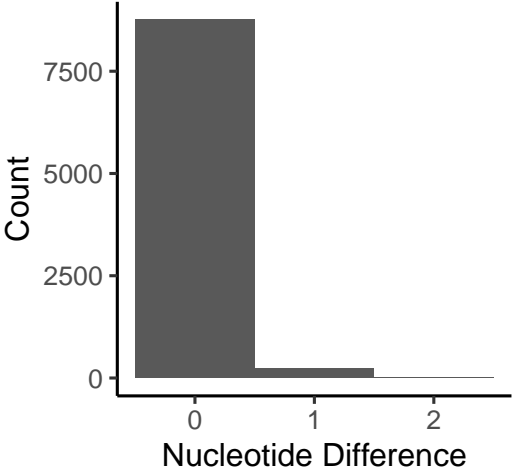
TRBV5-6\*ap01

6815 sequences assigned  
6719 (98.6%) exact matches, in which:  
6409 unique CDR3  
13 unique J



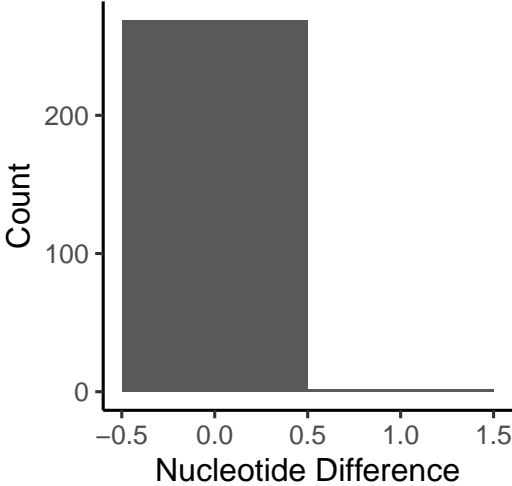
TRBV6-1\*ap01

8999 sequences assigned  
8759 (97.3%) exact matches, in which:  
8487 unique CDR3  
13 unique J



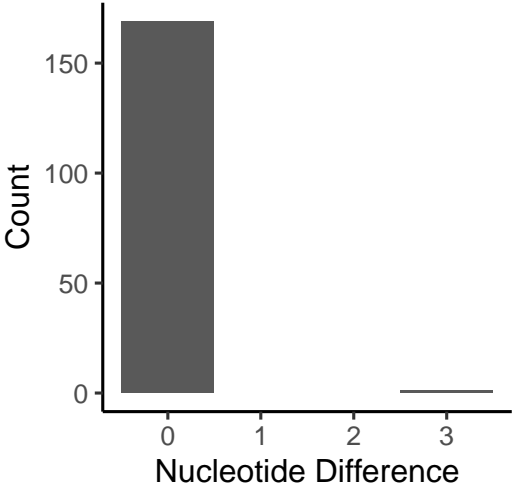
TRBV6-8\*ap01

271 sequences assigned  
269 (99.3%) exact matches, in which:  
262 unique CDR3  
13 unique J



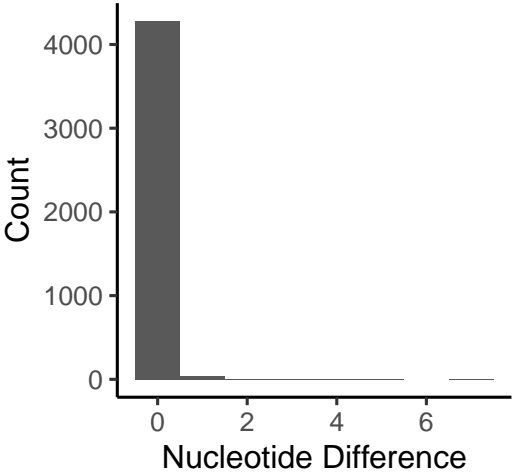
TRBV5-7\*ap01

170 sequences assigned  
169 (99.4%) exact matches, in which:  
165 unique CDR3  
12 unique J



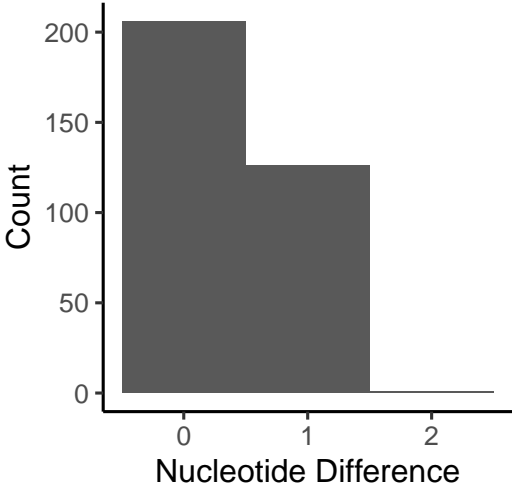
TRBV6-4\*ap01

4329 sequences assigned  
4280 (98.9%) exact matches, in which:  
4202 unique CDR3  
13 unique J



TRBV6-9\*ap01

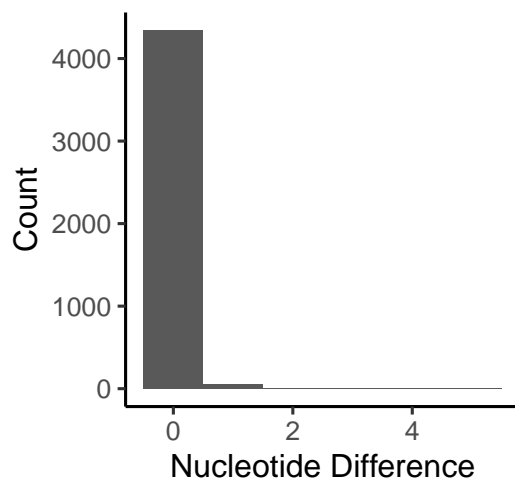
333 sequences assigned  
206 (61.9%) exact matches, in which:  
200 unique CDR3  
13 unique J





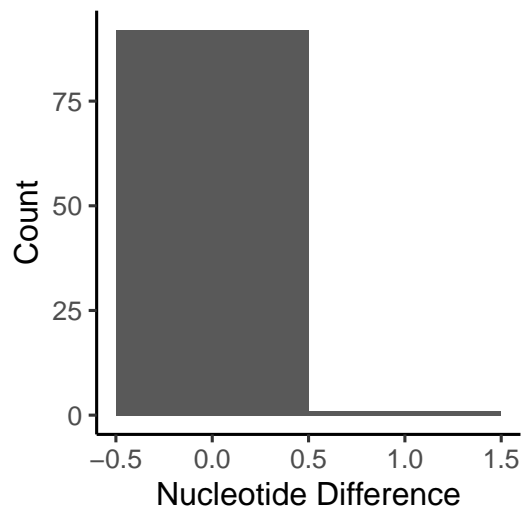
### TRBV6-23\*ap01

4405 sequences assigned  
4341 (98.5%) exact matches, in which:  
4179 unique CDR3  
13 unique J



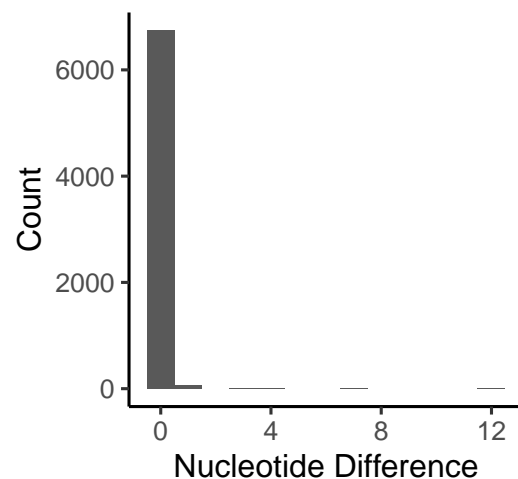
### TRBV7-1\*ap01\_G291C\_T

93 sequences assigned  
92 (98.9%) exact matches, in which:  
91 unique CDR3  
12 unique J



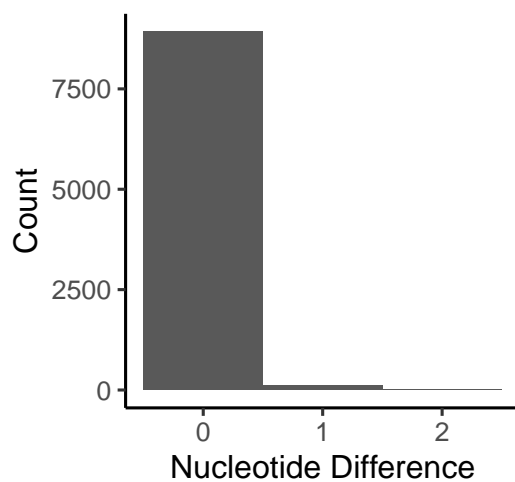
### TRBV7-3\*ap01

6804 sequences assigned  
6743 (99.1%) exact matches, in which:  
6619 unique CDR3  
13 unique J



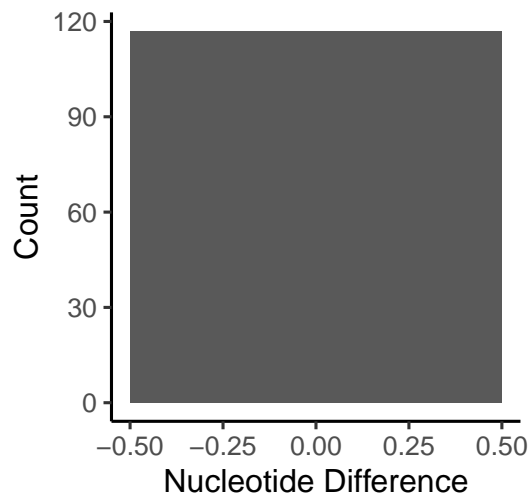
### TRBV6-56\*ap01

9041 sequences assigned  
8923 (98.7%) exact matches, in which:  
8648 unique CDR3  
13 unique J



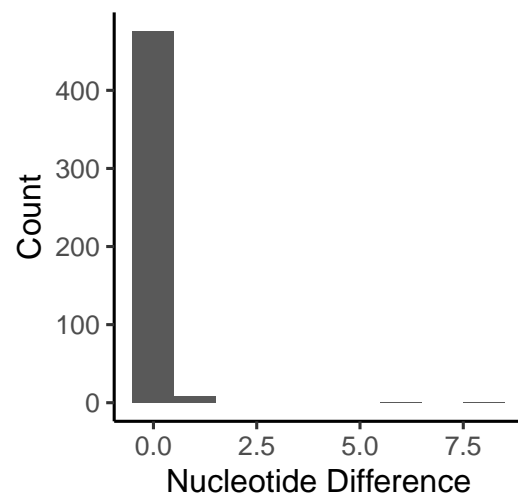
### TRBV7-1\*ap01\_G291C\_

117 sequences assigned  
117 (100%) exact matches, in which:  
114 unique CDR3  
13 unique J



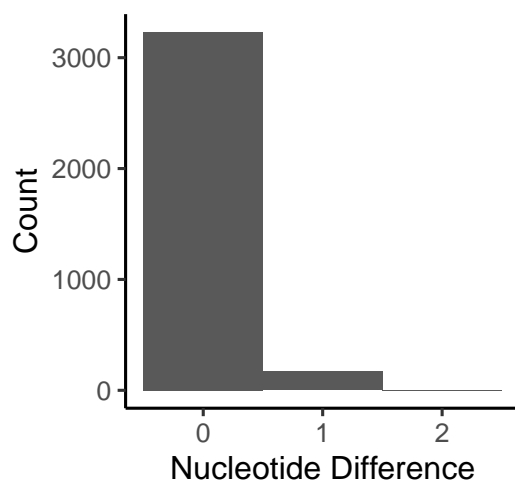
### TRBV7-4\*ap01

486 sequences assigned  
476 (97.9%) exact matches, in which:  
464 unique CDR3  
13 unique J



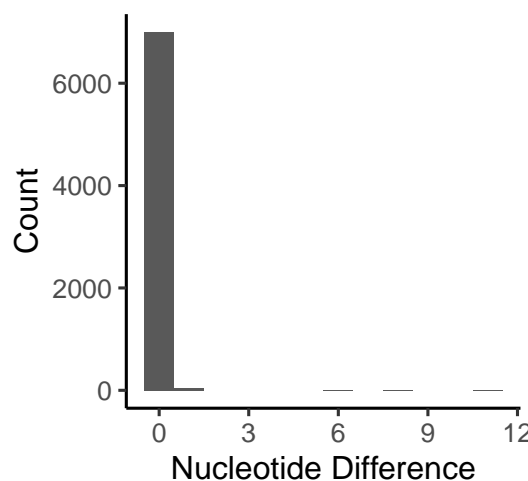
### TRBV6-56\*ap02

3401 sequences assigned  
3231 (95%) exact matches, in which:  
3120 unique CDR3  
13 unique J



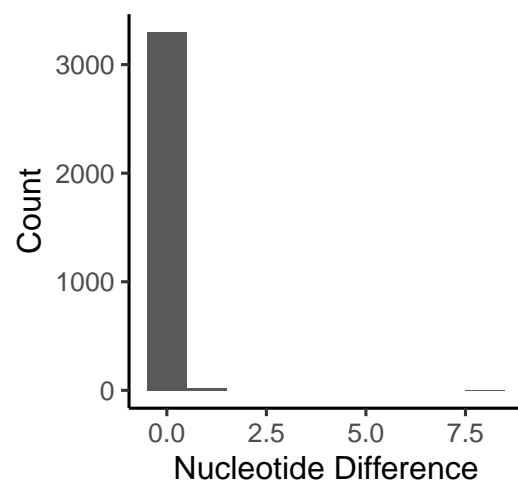
### TRBV7-2\*ap01

7055 sequences assigned  
7000 (99.2%) exact matches, in which:  
6845 unique CDR3  
13 unique J



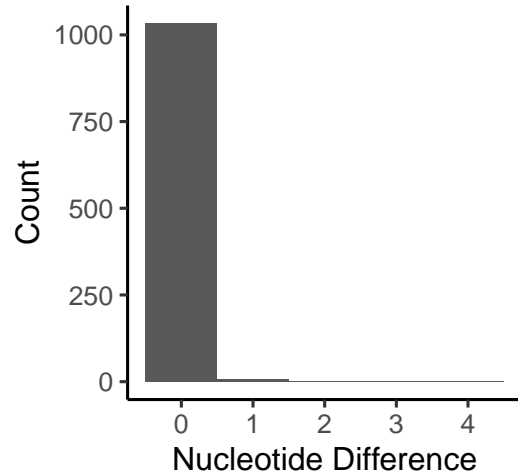
### TRBV7-6\*ap01

3324 sequences assigned  
3300 (99.3%) exact matches, in which:  
3201 unique CDR3  
13 unique J



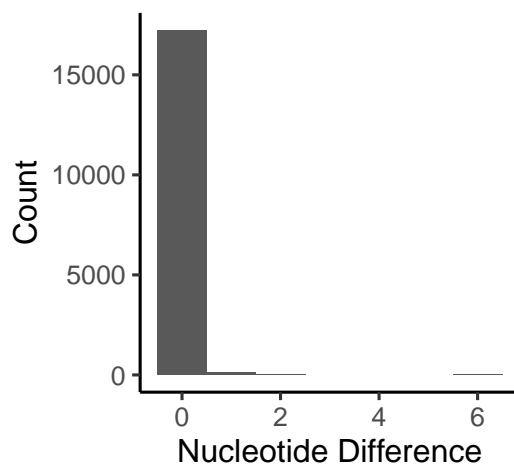
### TRBV7-7\*ap01

1044 sequences assigned  
1033 (98.9%) exact matches, in which:  
1013 unique CDR3  
13 unique J



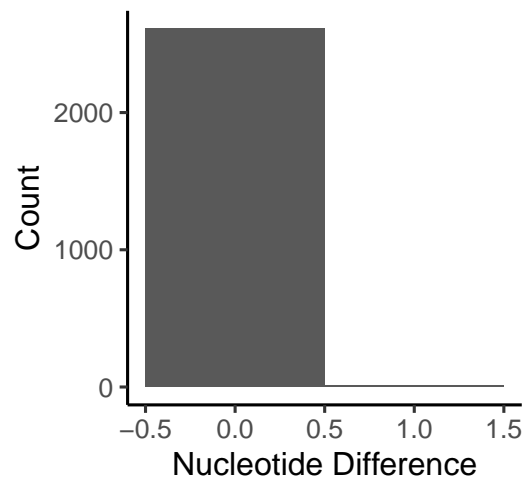
### TRBV7-9\*ap01

17370 sequences assigned  
17234 (99.2%) exact matches, in which:  
16828 unique CDR3  
13 unique J



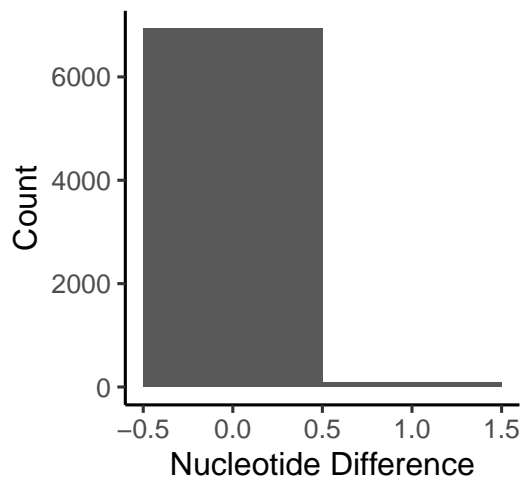
### TRBV7-8\*ap01

2623 sequences assigned  
2611 (99.5%) exact matches, in which:  
2544 unique CDR3  
13 unique J



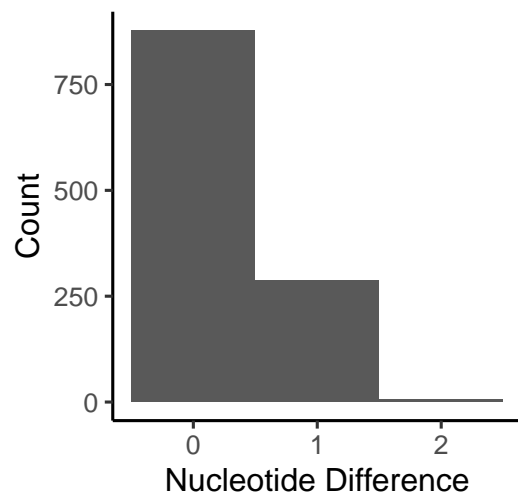
### TRBV29-1\*ap01

7022 sequences assigned  
6932 (98.7%) exact matches, in which:  
6737 unique CDR3  
13 unique J



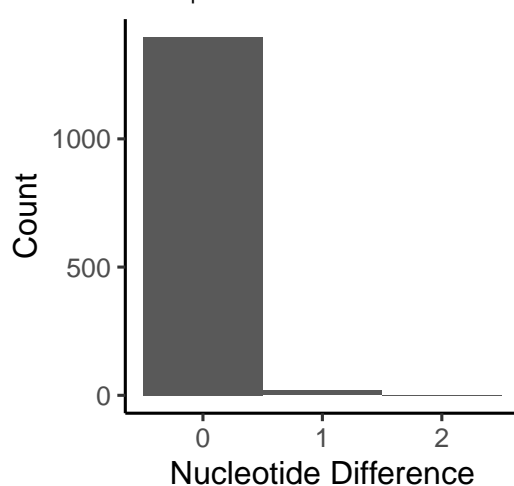
### TRBV7-8\*ap03

1169 sequences assigned  
878 (75.1%) exact matches, in which:  
857 unique CDR3  
13 unique J

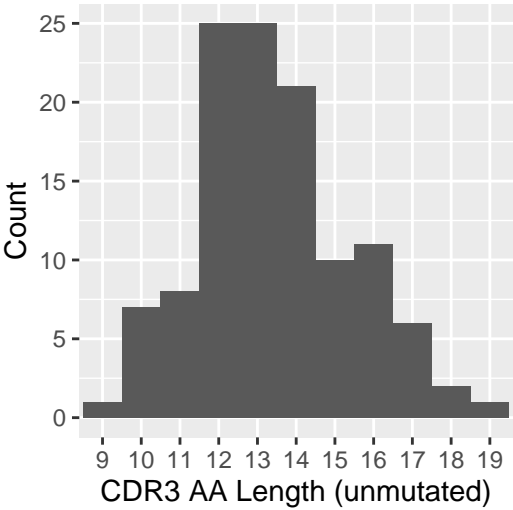


### TRBV29-1\*ap02

1417 sequences assigned  
1397 (98.6%) exact matches, in which:  
1359 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C

