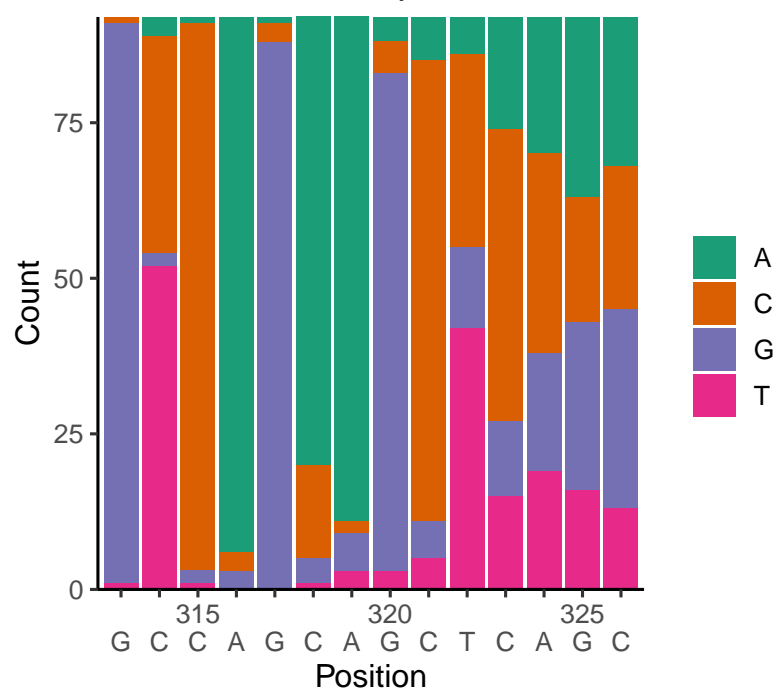
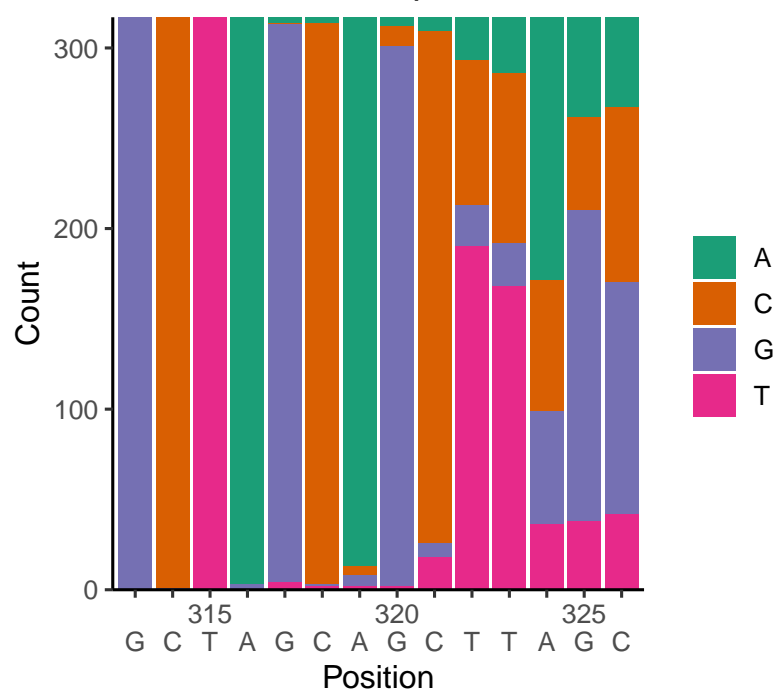


Gene TRBV7-1\*ap01\_T296C



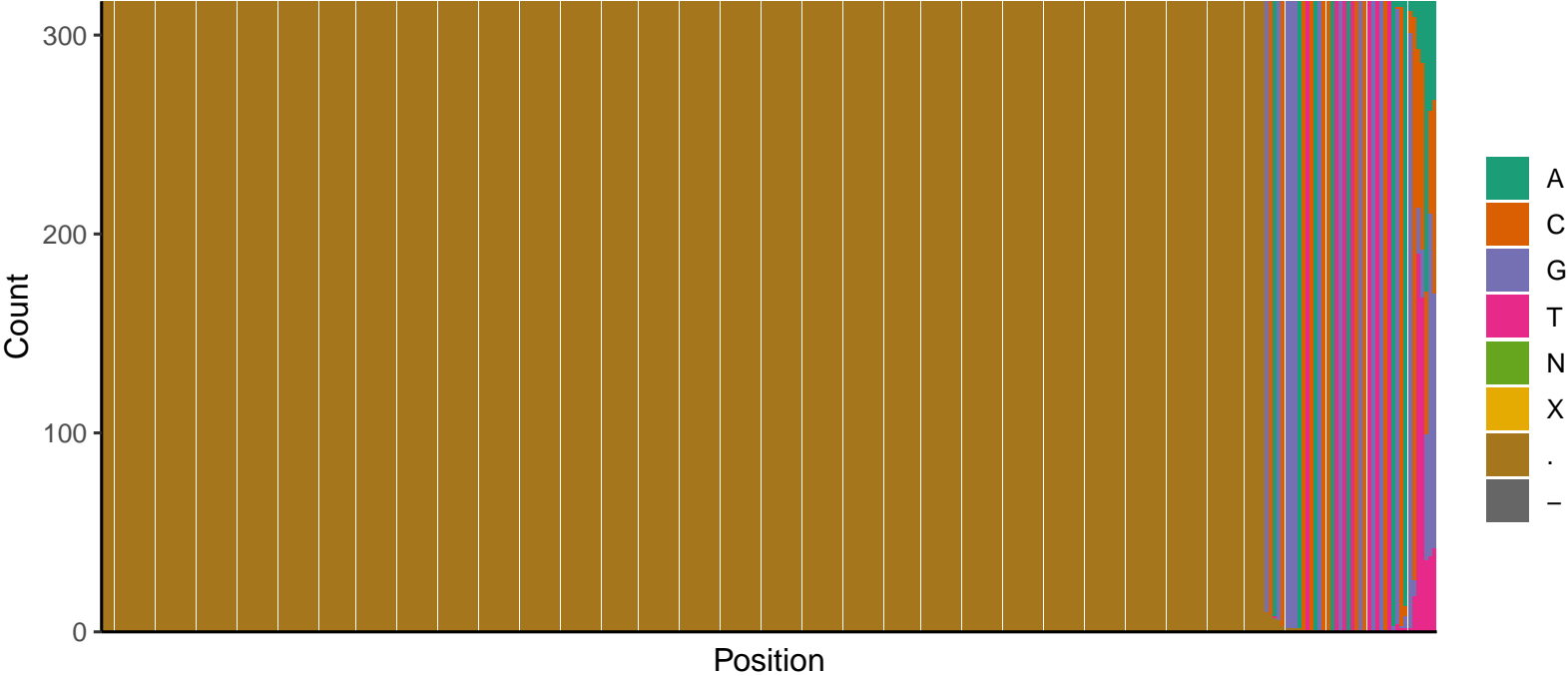
Gene TRBV7-7\*ap01\_C315T



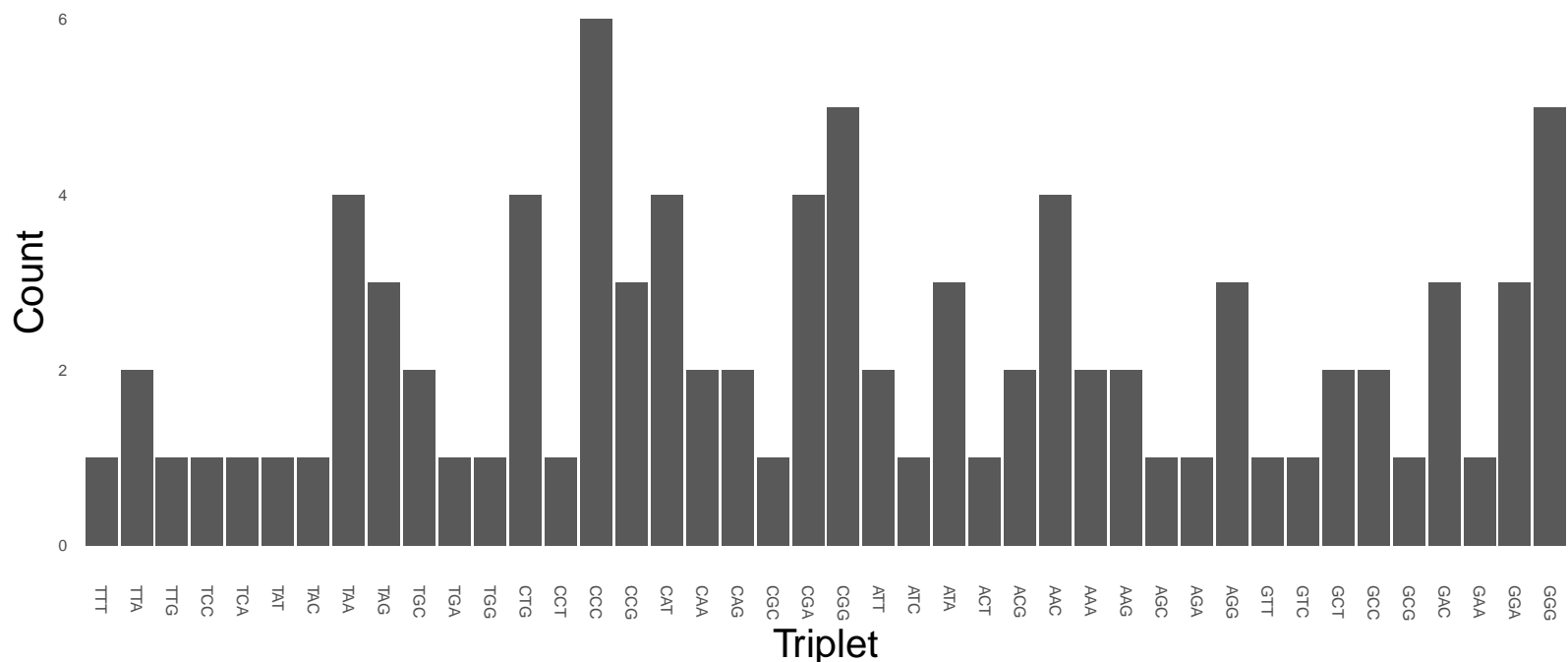
Gene TRBV7-1\*ap01\_T296C



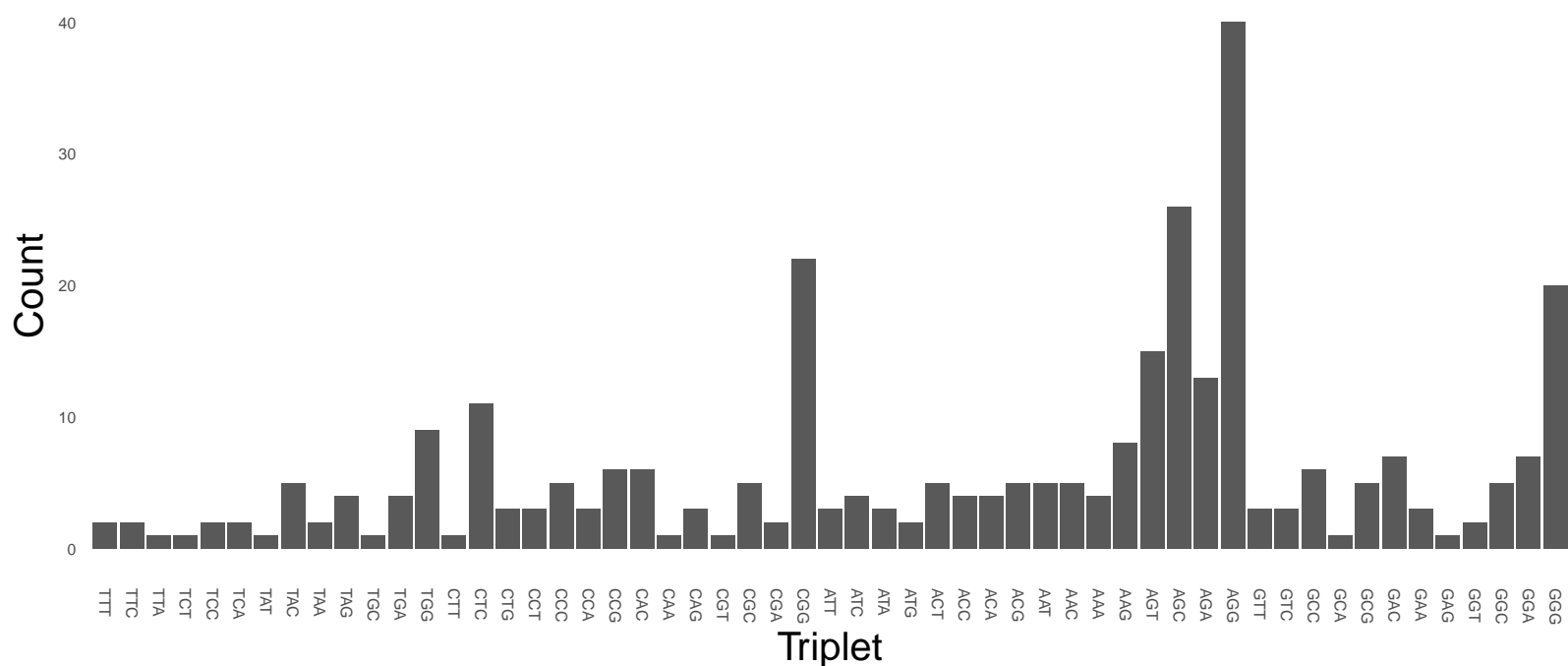
Gene TRBV7-7\*ap01\_C315T



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

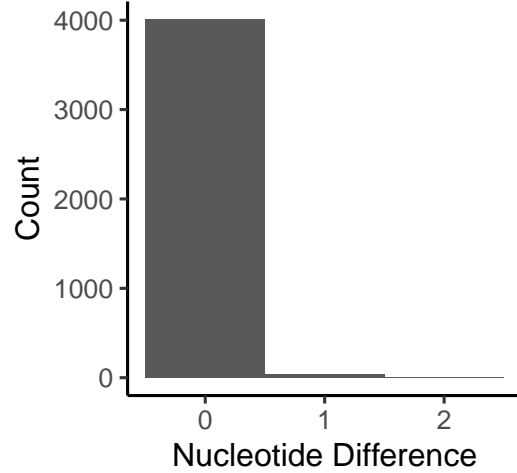


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



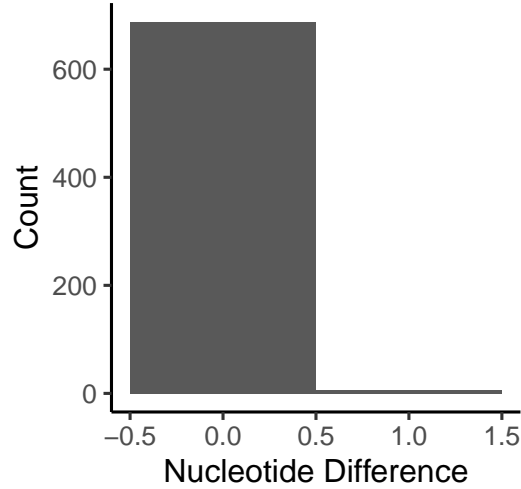
### TRBV20-1\*ap01

4052 sequences assigned  
4009 (98.9%) exact matches, in which:  
3946 unique CDR3  
13 unique J



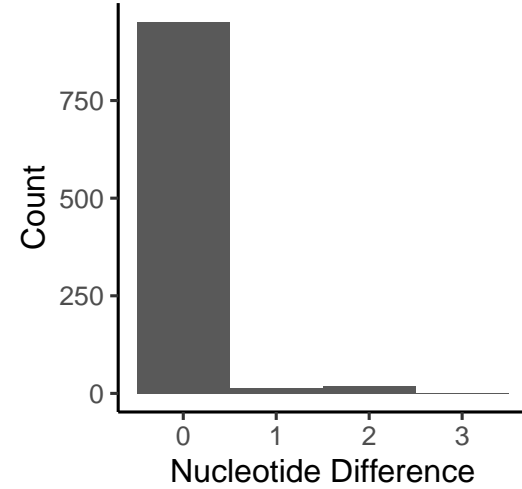
### TRBV10-2\*ap01

695 sequences assigned  
688 (99%) exact matches, in which:  
681 unique CDR3  
13 unique J



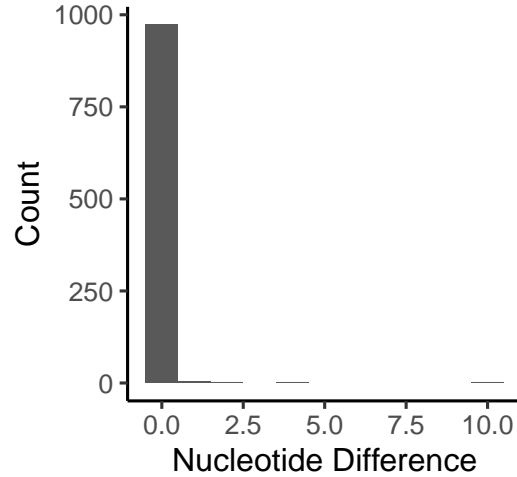
### TRBV13\*ap01

985 sequences assigned  
952 (96.6%) exact matches, in which:  
917 unique CDR3  
13 unique J



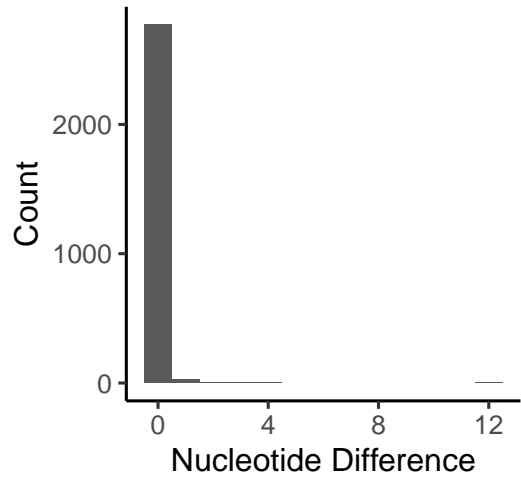
### TRBV10-1\*ap01

982 sequences assigned  
973 (99.1%) exact matches, in which:  
940 unique CDR3  
13 unique J



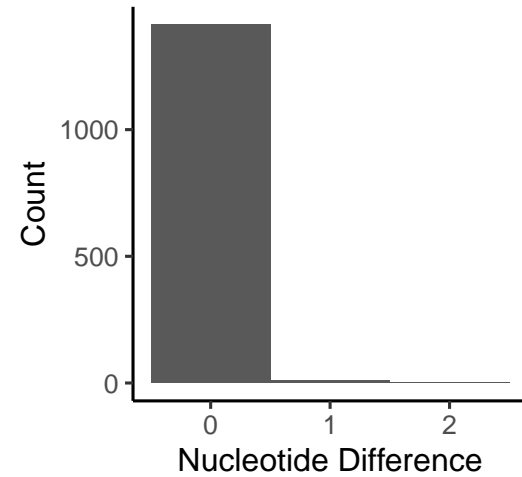
### TRBV10-3\*ap01

2806 sequences assigned  
2771 (98.8%) exact matches, in which:  
2692 unique CDR3  
13 unique J



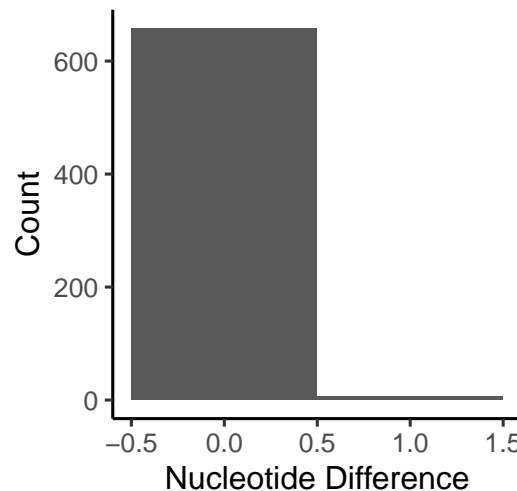
### TRBV14\*ap01

1424 sequences assigned  
1414 (99.3%) exact matches, in which:  
1400 unique CDR3  
13 unique J



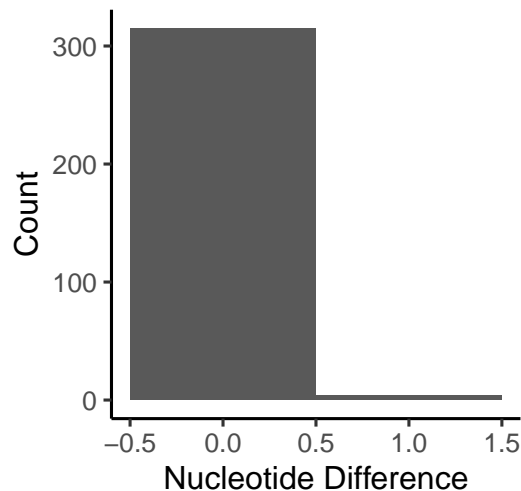
### TRBV20-1\*ap02

665 sequences assigned  
658 (98.9%) exact matches, in which:  
640 unique CDR3  
13 unique J



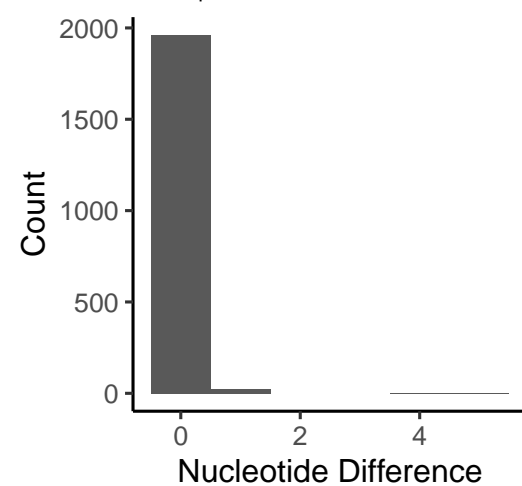
### TRBV1\*ap01

319 sequences assigned  
315 (98.7%) exact matches, in which:  
309 unique CDR3  
13 unique J



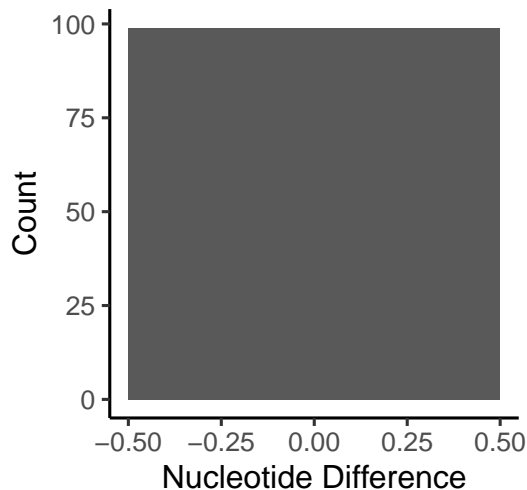
### TRBV15\*ap02

1986 sequences assigned  
1961 (98.7%) exact matches, in which:  
1909 unique CDR3  
13 unique J



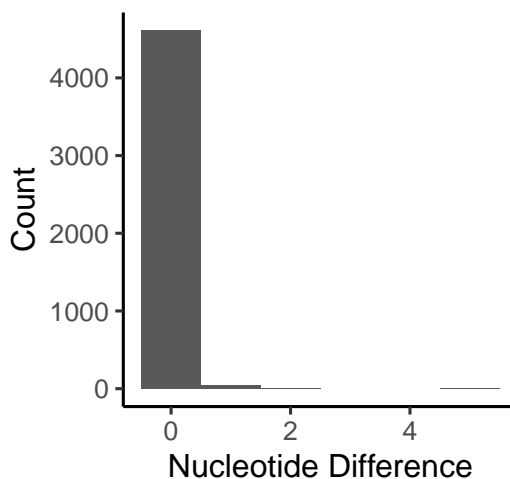
### TRBV16\*ap01

99 sequences assigned  
99 (100%) exact matches, in which:  
99 unique CDR3  
12 unique J



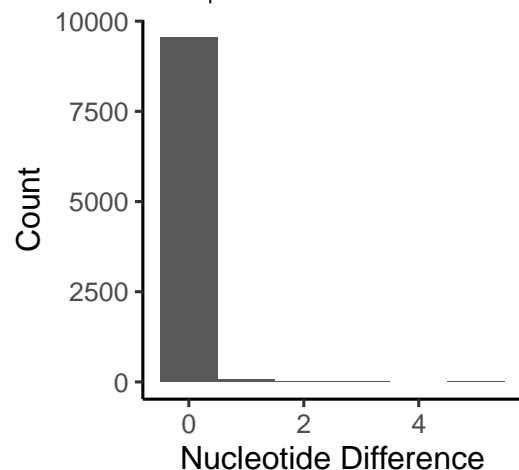
### TRBV2\*ap01

4666 sequences assigned  
4611 (98.8%) exact matches, in which:  
4485 unique CDR3  
13 unique J



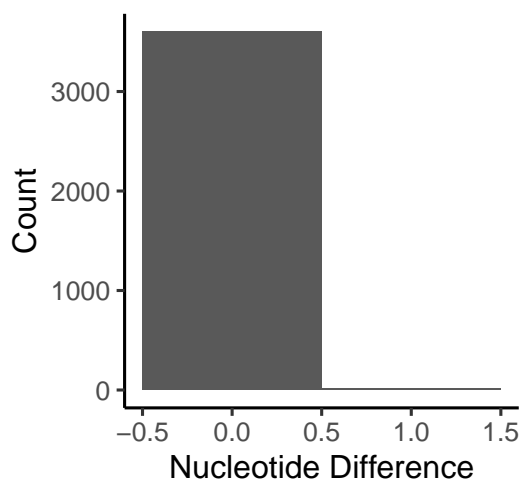
### TRBV28\*ap01

9647 sequences assigned  
9557 (99.1%) exact matches, in which:  
9394 unique CDR3  
13 unique J



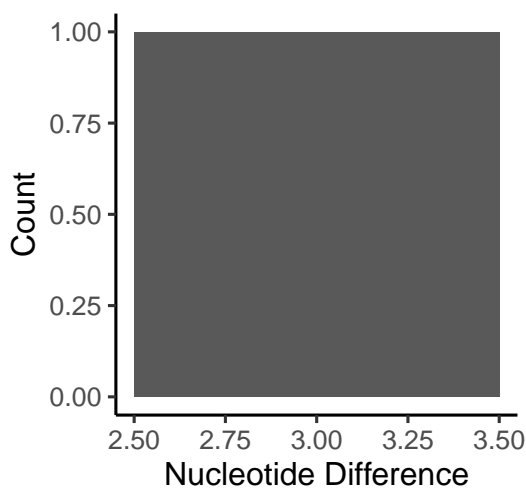
### TRBV18\*ap01

3617 sequences assigned  
3601 (99.6%) exact matches, in which:  
3570 unique CDR3  
13 unique J



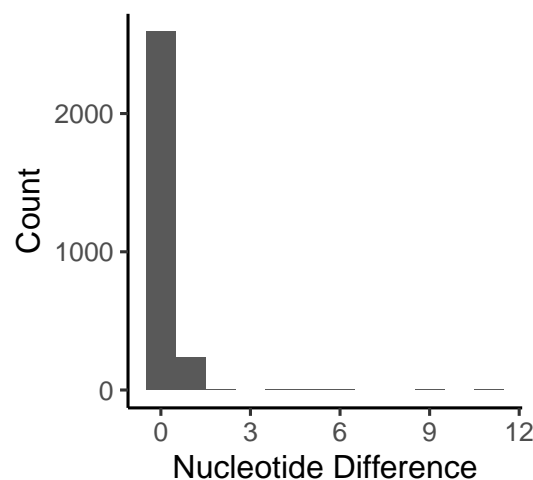
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



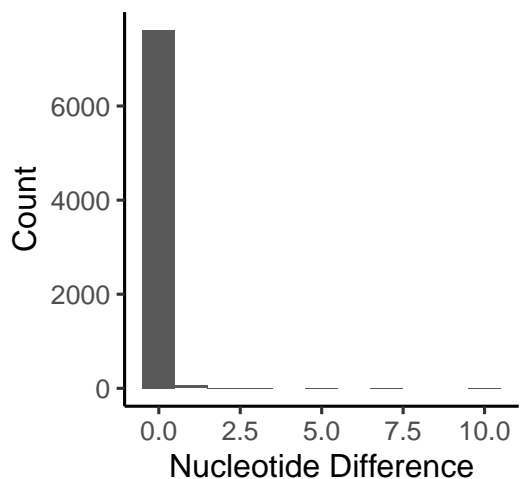
### TRBV30\*ap01

2840 sequences assigned  
2592 (91.3%) exact matches, in which:  
2538 unique CDR3  
13 unique J



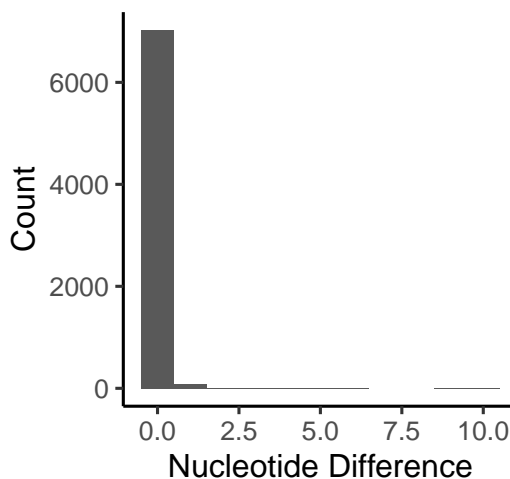
### TRBV19\*ap01

7681 sequences assigned  
7615 (99.1%) exact matches, in which:  
7539 unique CDR3  
13 unique J



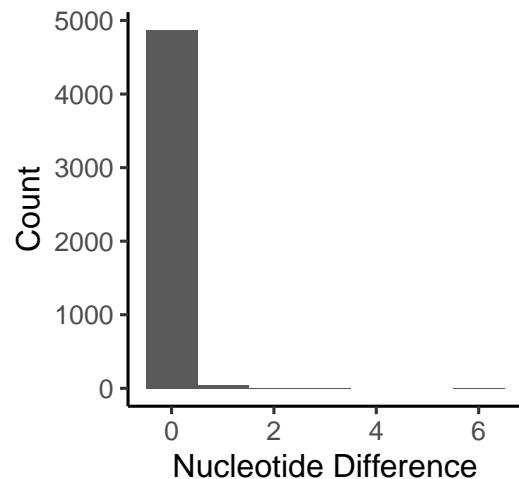
### TRBV27\*ap01

7130 sequences assigned  
7026 (98.5%) exact matches, in which:  
6799 unique CDR3  
13 unique J



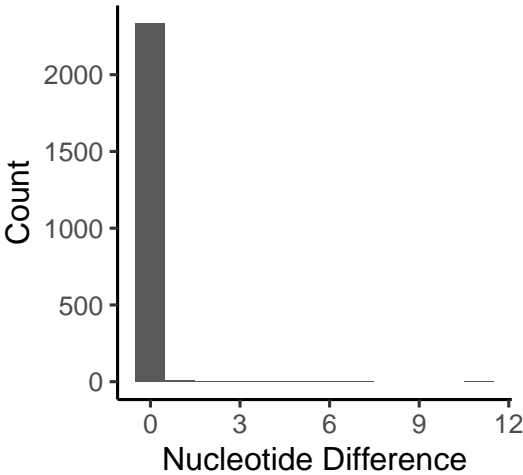
### TRBV9\*ap01

4917 sequences assigned  
4870 (99%) exact matches, in which:  
4799 unique CDR3  
13 unique J



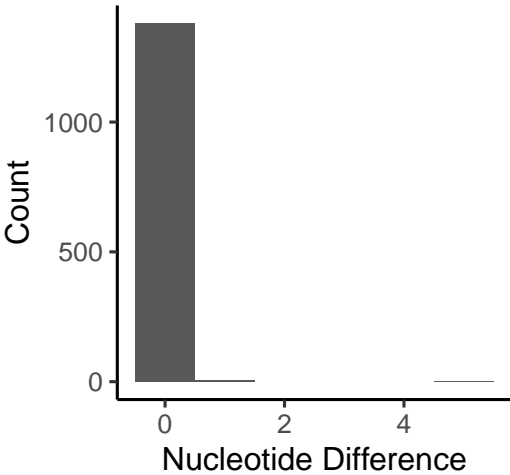
TRBV21-1\*ap01

2356 sequences assigned  
2334 (99.1%) exact matches, in which:  
2310 unique CDR3  
13 unique J



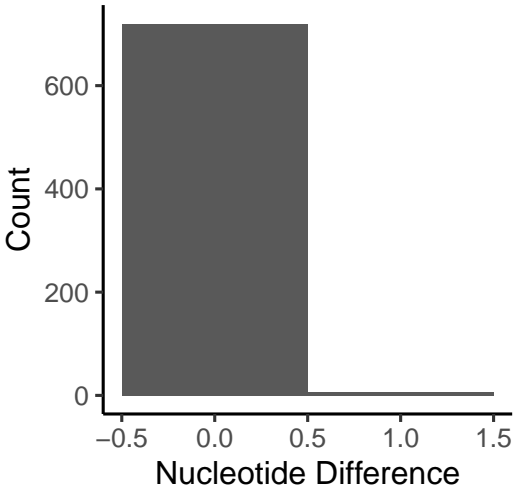
TRBV11-3\*ap01

1387 sequences assigned  
1380 (99.5%) exact matches, in which:  
1362 unique CDR3  
13 unique J



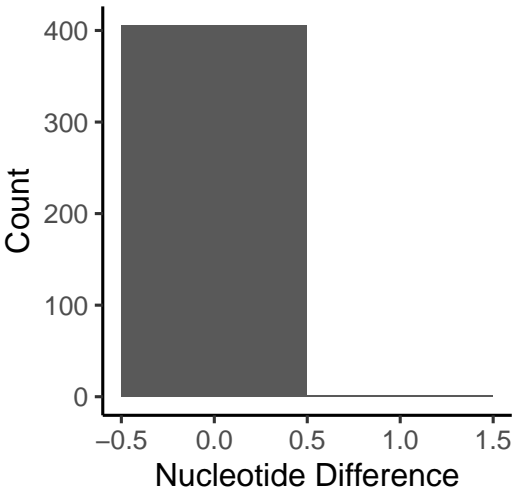
TRBV12-5\*ap01

726 sequences assigned  
720 (99.2%) exact matches, in which:  
711 unique CDR3  
13 unique J



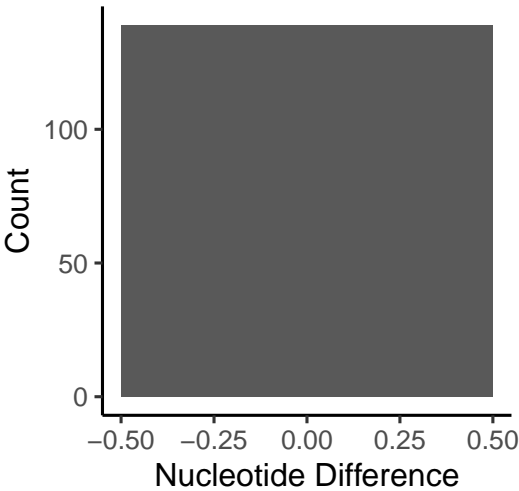
TRBV11-1\*ap01

408 sequences assigned  
406 (99.5%) exact matches, in which:  
399 unique CDR3  
13 unique J



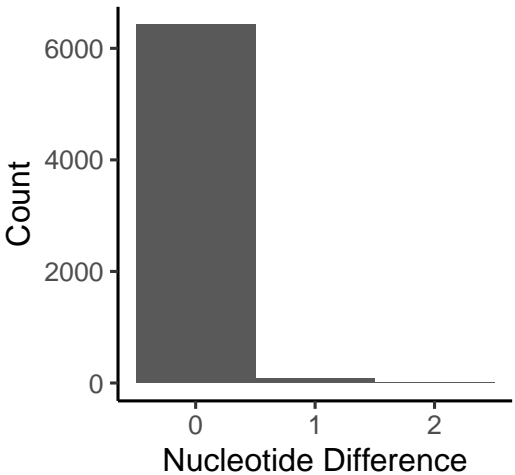
TRBV12-1\*ap01

139 sequences assigned  
139 (100%) exact matches, in which:  
138 unique CDR3  
14 unique J



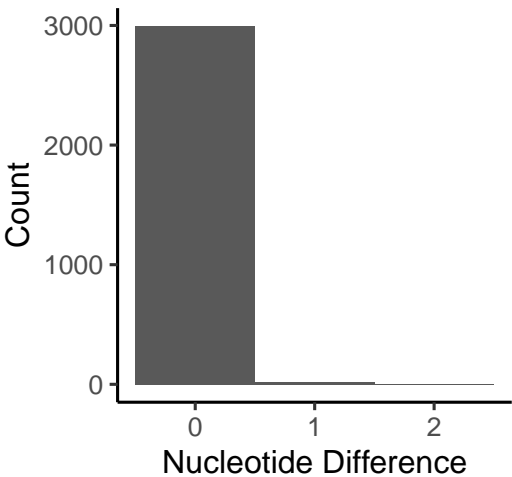
TRBV12-34\*ap01

6504 sequences assigned  
6423 (98.8%) exact matches, in which:  
6274 unique CDR3  
13 unique J



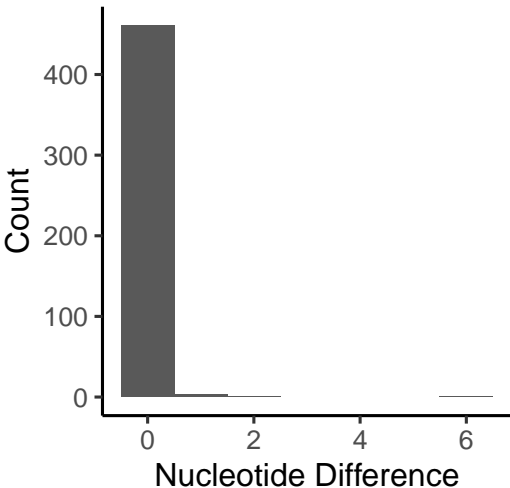
TRBV11-2\*ap01

3016 sequences assigned  
2995 (99.3%) exact matches, in which:  
2962 unique CDR3  
13 unique J



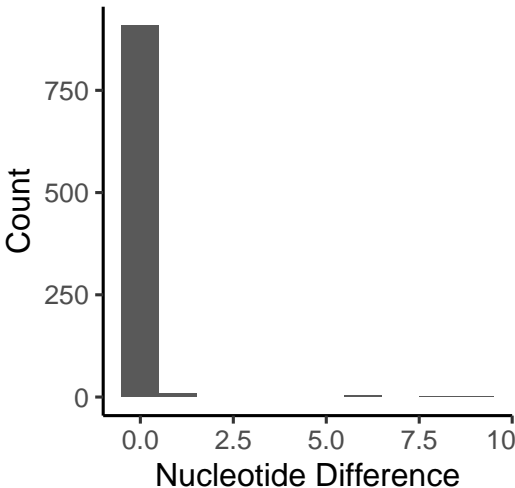
TRBV12-2\*ap01

466 sequences assigned  
461 (98.9%) exact matches, in which:  
456 unique CDR3  
13 unique J



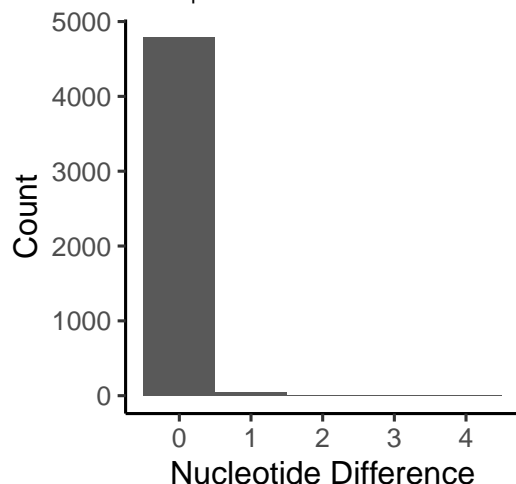
TRBV23-1\*ap01

922 sequences assigned  
909 (98.6%) exact matches, in which:  
899 unique CDR3  
13 unique J



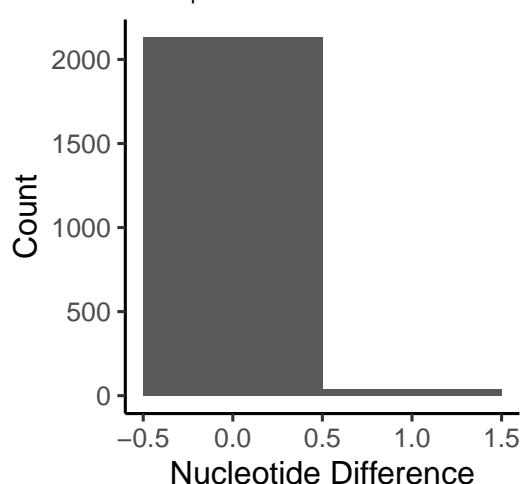
### TRBV3-12\*ap01

4838 sequences assigned  
4788 (99%) exact matches, in which:  
4687 unique CDR3  
13 unique J



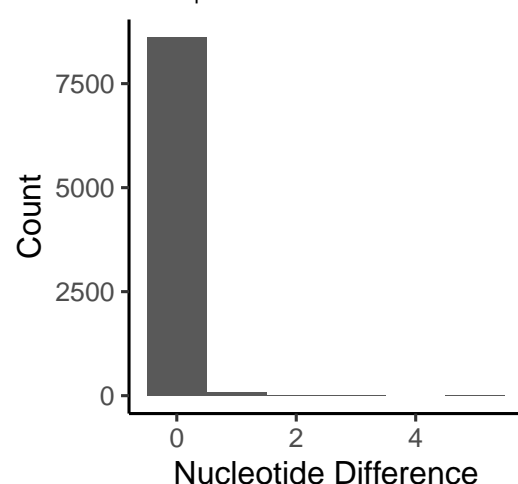
### TRBV4-2\*ap01

2168 sequences assigned  
2131 (98.3%) exact matches, in which:  
2062 unique CDR3  
13 unique J



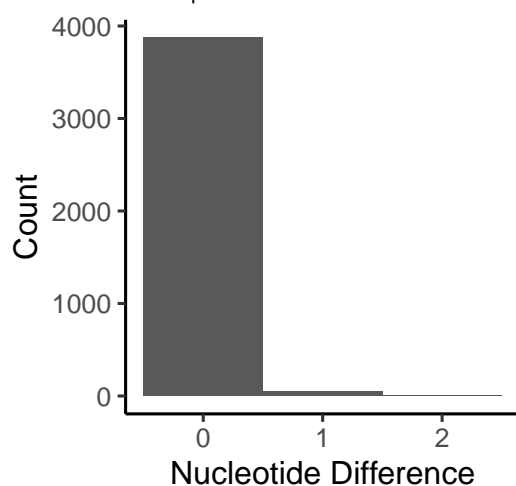
### TRBV5-1\*ap01

8696 sequences assigned  
8611 (99%) exact matches, in which:  
8333 unique CDR3  
13 unique J



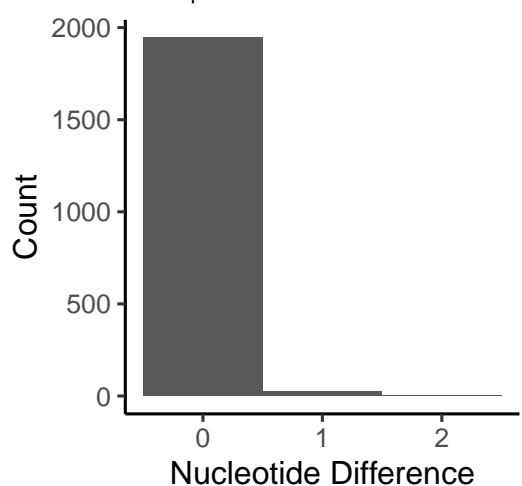
### TRBV4-1\*ap01

3928 sequences assigned  
3873 (98.6%) exact matches, in which:  
3751 unique CDR3  
13 unique J



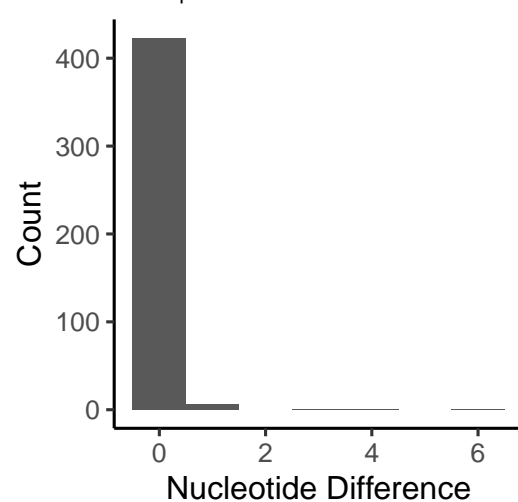
### TRBV4-3\*ap01

1970 sequences assigned  
1945 (98.7%) exact matches, in which:  
1895 unique CDR3  
13 unique J



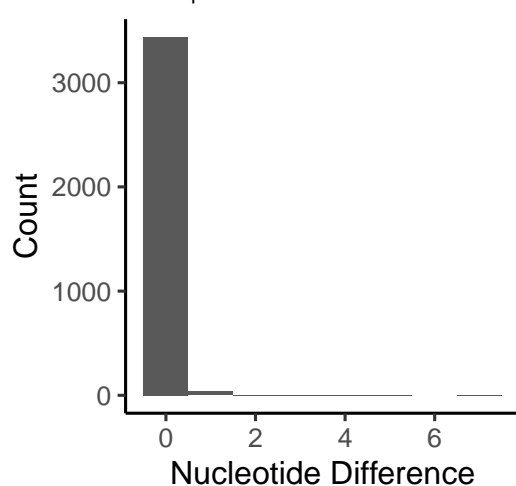
### TRBV5-3\*ap01

432 sequences assigned  
423 (97.9%) exact matches, in which:  
419 unique CDR3  
13 unique J



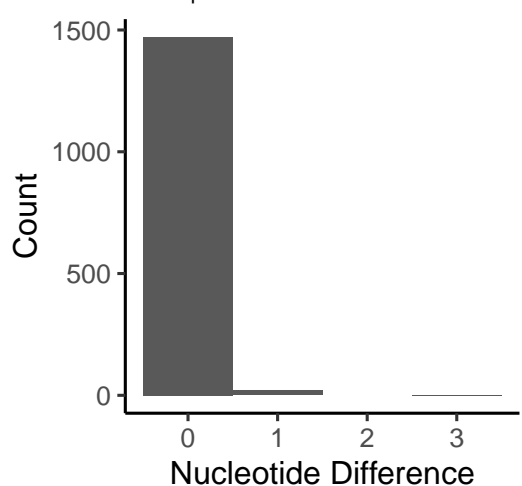
### TRBV24-1\*ap01

3486 sequences assigned  
3438 (98.6%) exact matches, in which:  
3347 unique CDR3  
14 unique J



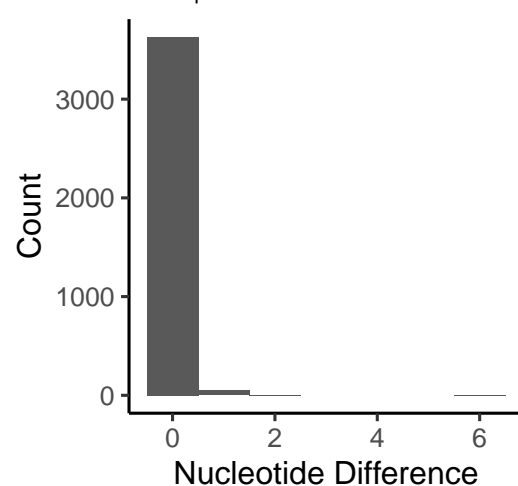
### TRBV25-1\*ap01

1492 sequences assigned  
1471 (98.6%) exact matches, in which:  
1425 unique CDR3  
13 unique J



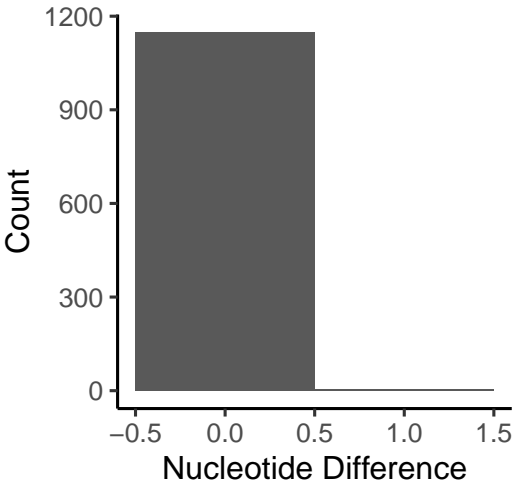
### TRBV5-4\*ap01

3679 sequences assigned  
3629 (98.6%) exact matches, in which:  
3522 unique CDR3  
13 unique J



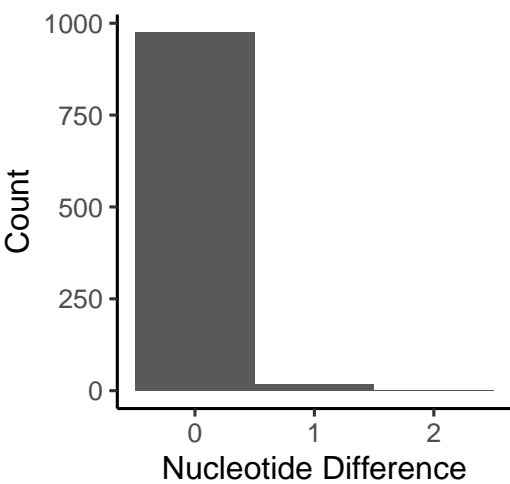
TRBV5-5\*ap01

1154 sequences assigned  
1148 (99.5%) exact matches, in which:  
1135 unique CDR3  
13 unique J



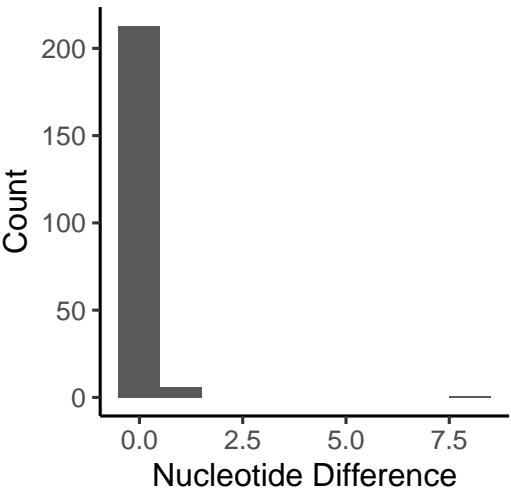
TRBV5-8\*ap01

995 sequences assigned  
975 (98%) exact matches, in which:  
949 unique CDR3  
13 unique J



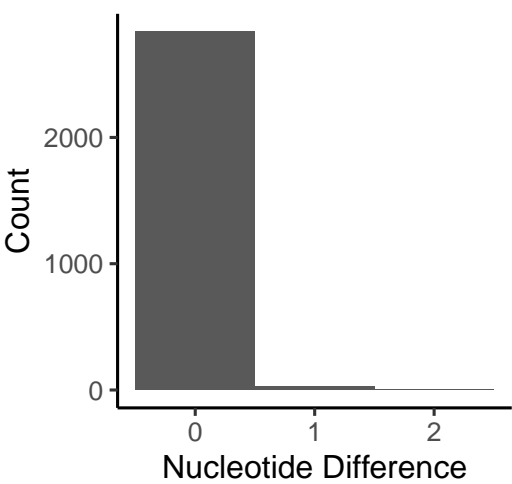
TRBV6-7\*ap01

220 sequences assigned  
213 (96.8%) exact matches, in which:  
206 unique CDR3  
13 unique J



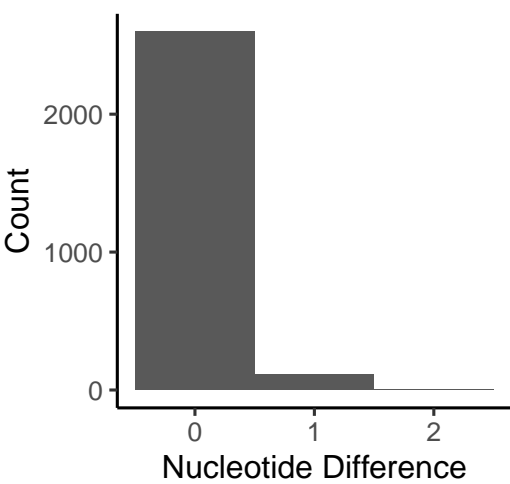
TRBV5-6\*ap01

2868 sequences assigned  
2837 (98.9%) exact matches, in which:  
2720 unique CDR3  
13 unique J



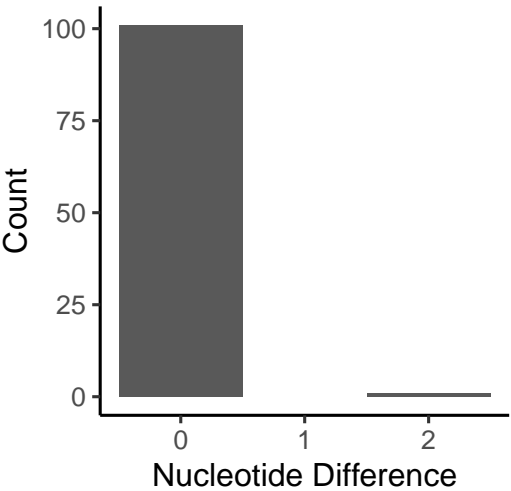
TRBV6-1\*ap01

2714 sequences assigned  
2598 (95.7%) exact matches, in which:  
2511 unique CDR3  
13 unique J



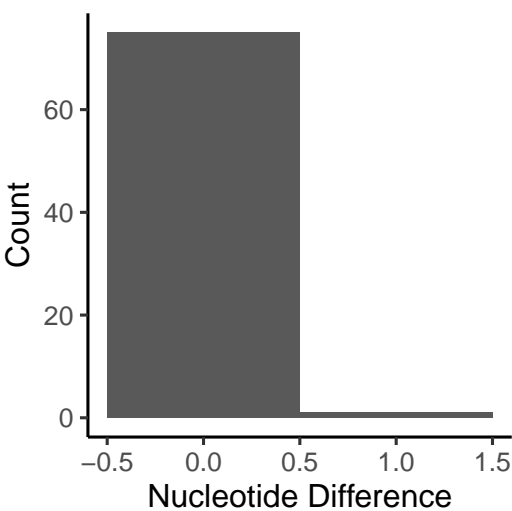
TRBV6-8\*ap01

102 sequences assigned  
101 (99%) exact matches, in which:  
100 unique CDR3  
12 unique J



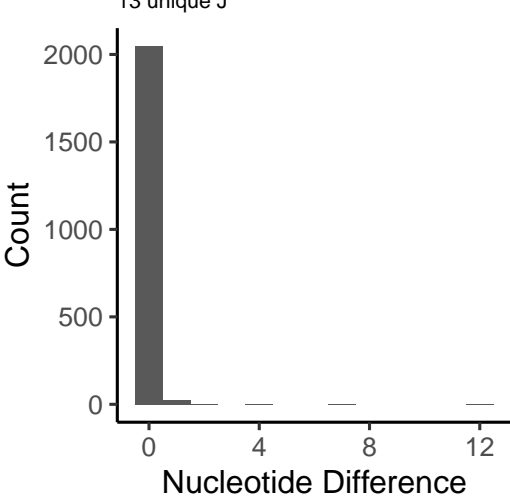
TRBV5-7\*ap01

76 sequences assigned  
75 (98.7%) exact matches, in which:  
74 unique CDR3  
12 unique J



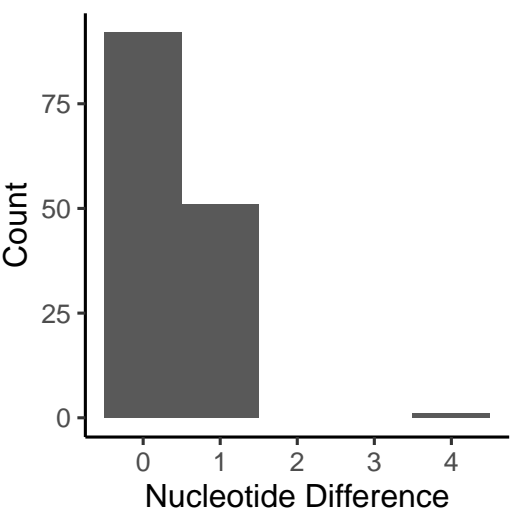
TRBV6-4\*ap01

2078 sequences assigned  
2048 (98.6%) exact matches, in which:  
2024 unique CDR3  
13 unique J



TRBV6-9\*ap01

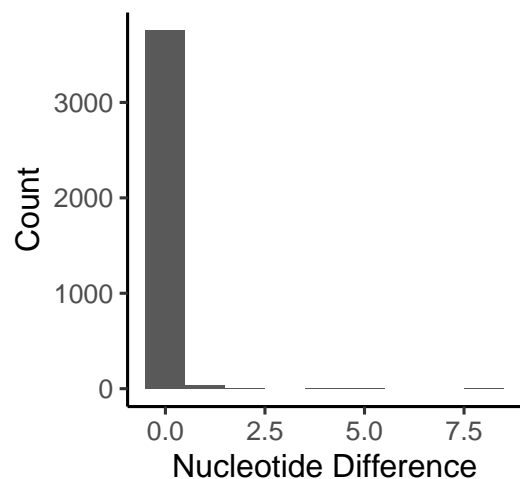
144 sequences assigned  
92 (63.9%) exact matches, in which:  
91 unique CDR3  
13 unique J





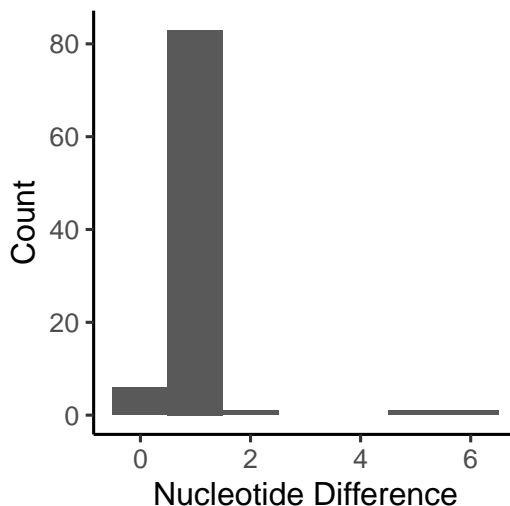
### TRBV6-23\*ap01

3796 sequences assigned  
3755 (98.9%) exact matches, in which:  
3620 unique CDR3  
13 unique J



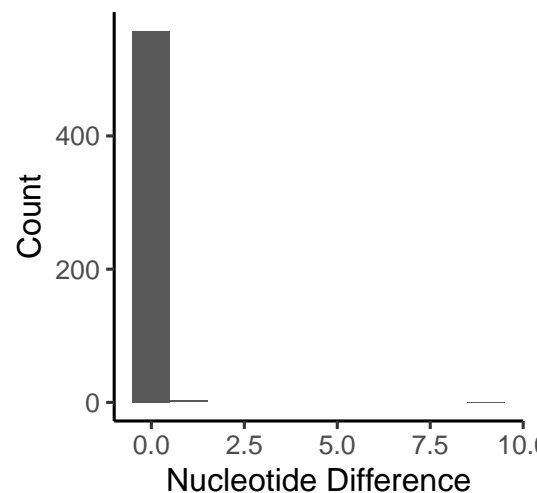
### TRBV7-1\*ap01\_T296C

92 sequences assigned  
6 (6.5%) exact matches, in which:  
6 unique CDR3  
5 unique J



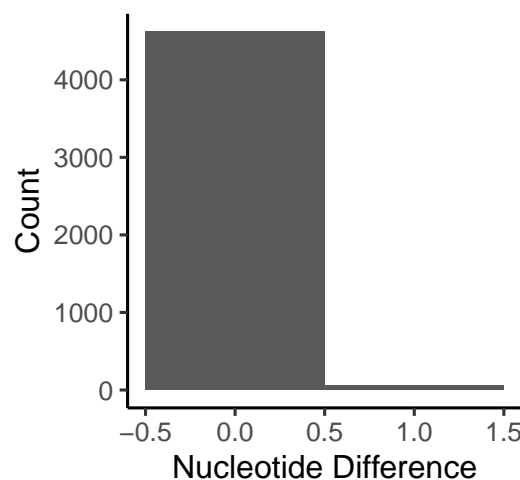
### TRBV7-3\*ap03

562 sequences assigned  
558 (99.3%) exact matches, in which:  
550 unique CDR3  
13 unique J



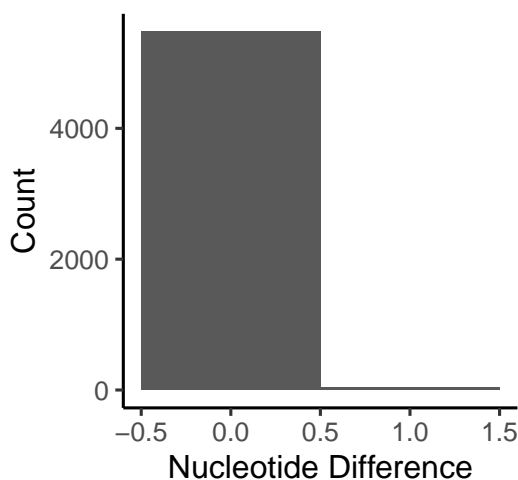
### TRBV6-56\*ap01

4675 sequences assigned  
4620 (98.8%) exact matches, in which:  
4452 unique CDR3  
13 unique J



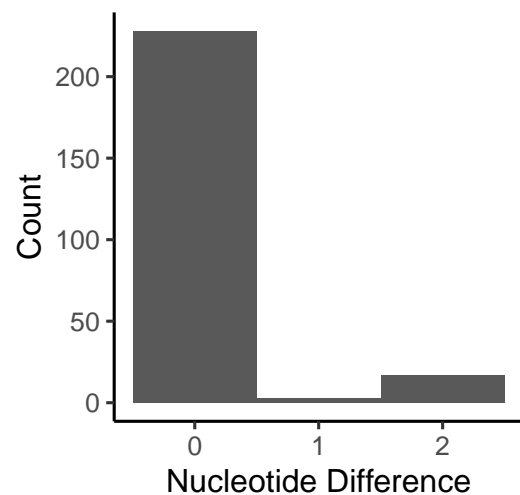
### TRBV7-2\*ap01

5518 sequences assigned  
5477 (99.3%) exact matches, in which:  
5395 unique CDR3  
13 unique J



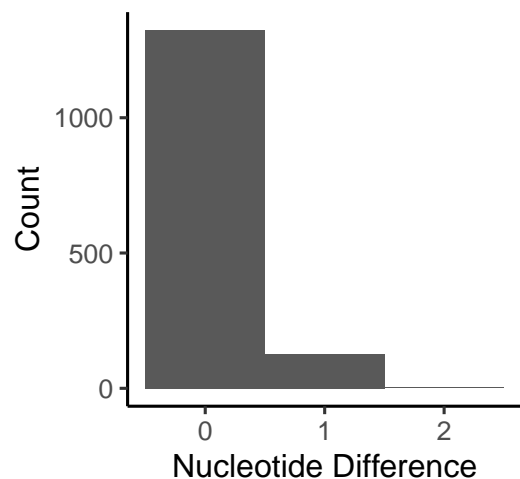
### TRBV7-4\*ap01

248 sequences assigned  
228 (91.9%) exact matches, in which:  
223 unique CDR3  
13 unique J



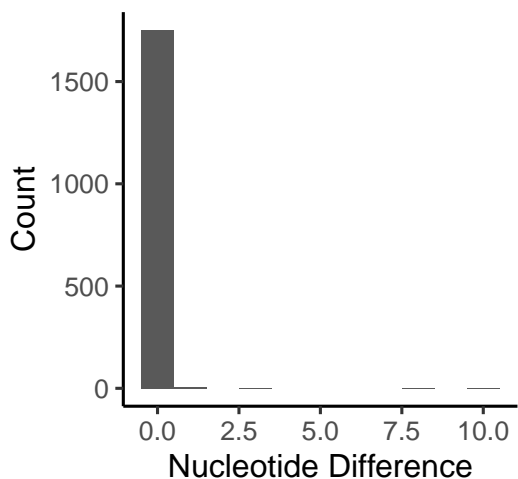
### TRBV6-56\*ap02

1453 sequences assigned  
1324 (91.1%) exact matches, in which:  
1269 unique CDR3  
13 unique J



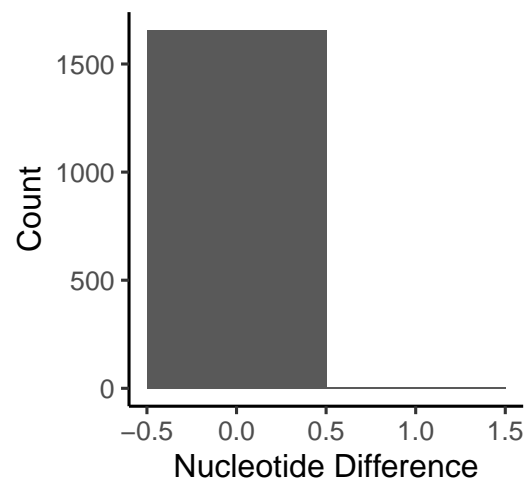
### TRBV7-3\*ap01

1763 sequences assigned  
1752 (99.4%) exact matches, in which:  
1732 unique CDR3  
13 unique J



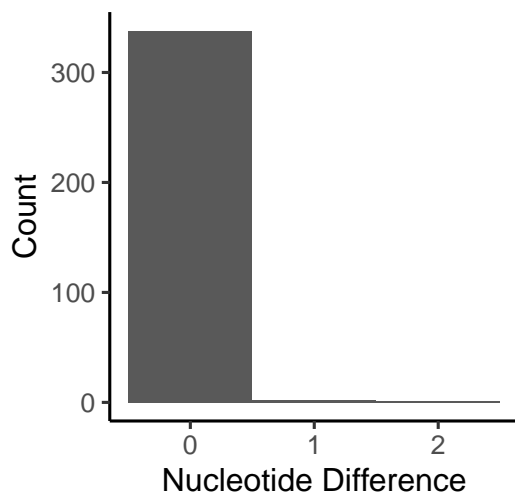
### TRBV7-6\*ap01

1664 sequences assigned  
1657 (99.6%) exact matches, in which:  
1615 unique CDR3  
13 unique J



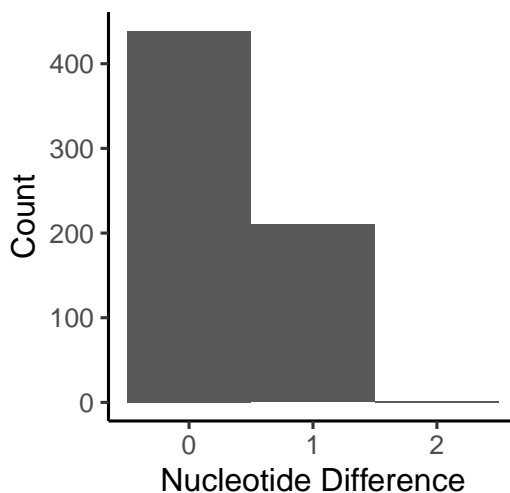
### TRBV7-7\*ap01

341 sequences assigned  
338 (99.1%) exact matches, in which:  
335 unique CDR3  
13 unique J



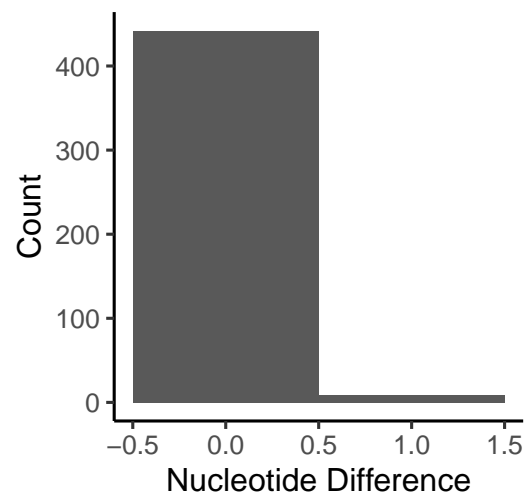
### TRBV7-8\*ap03

651 sequences assigned  
439 (67.4%) exact matches, in which:  
432 unique CDR3  
13 unique J



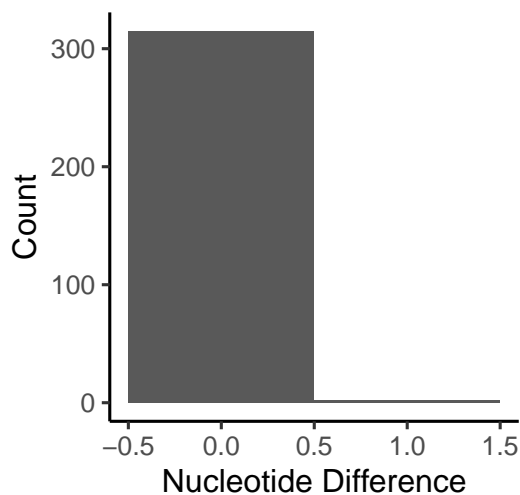
### TRBV29-1\*ap02

451 sequences assigned  
442 (98%) exact matches, in which:  
426 unique CDR3  
13 unique J



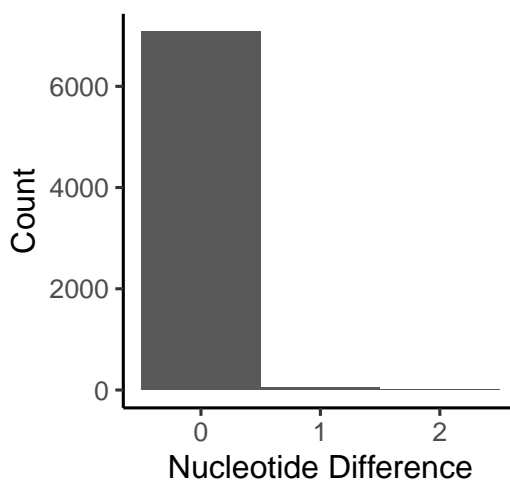
### TRBV7-7\*ap01\_C315T

317 sequences assigned  
315 (99.4%) exact matches, in which:  
310 unique CDR3  
13 unique J



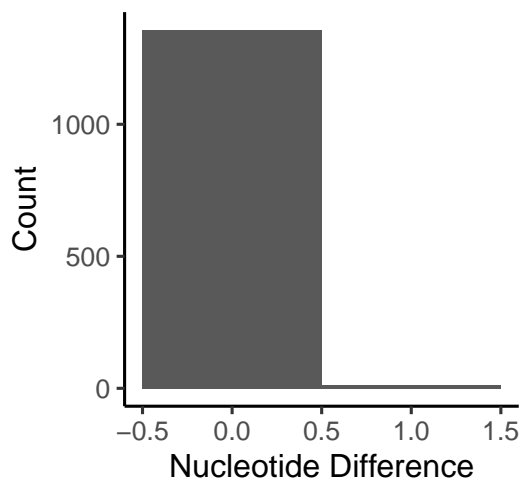
### TRBV7-9\*ap01

7126 sequences assigned  
7079 (99.3%) exact matches, in which:  
6934 unique CDR3  
13 unique J



### TRBV7-8\*ap01

1370 sequences assigned  
1357 (99.1%) exact matches, in which:  
1322 unique CDR3  
13 unique J



### TRBV29-1\*ap01

2373 sequences assigned  
2338 (98.5%) exact matches, in which:  
2260 unique CDR3  
13 unique J

