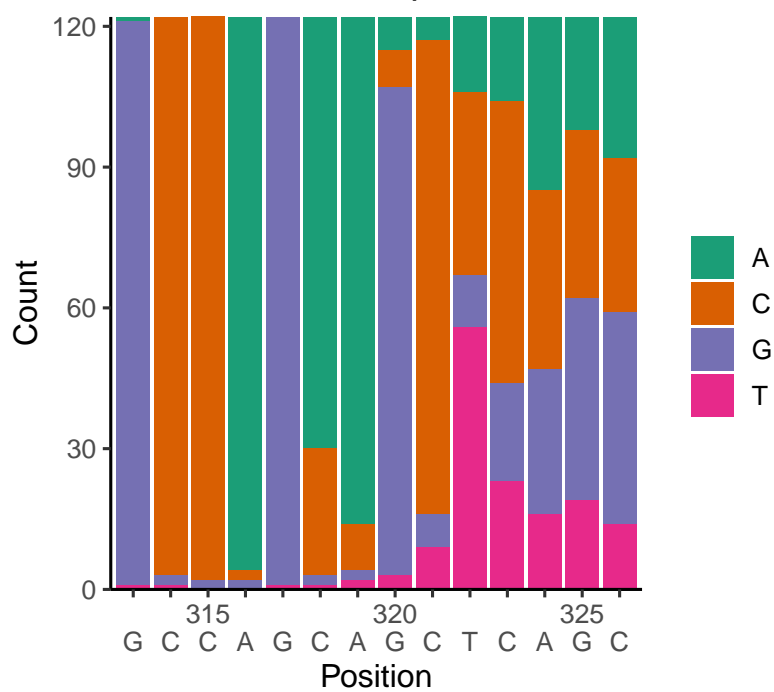
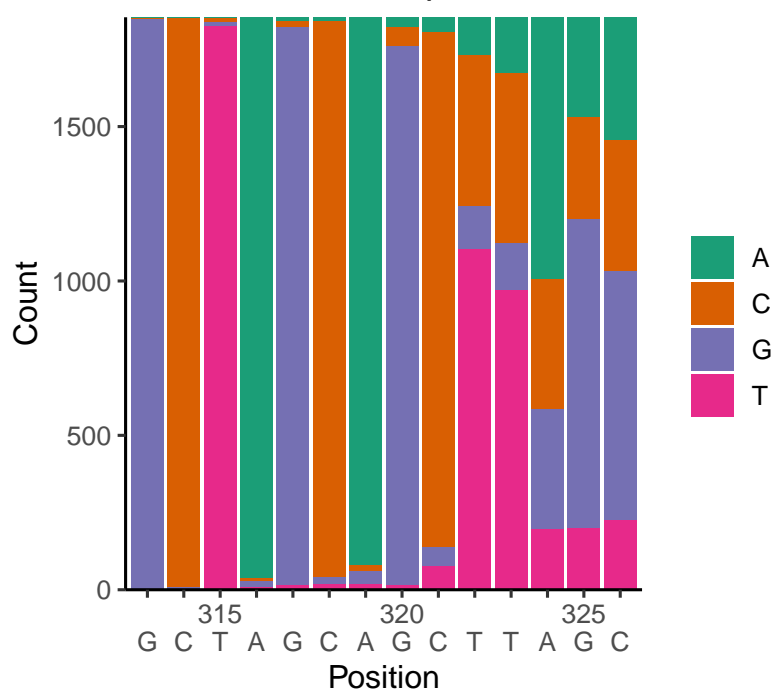


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



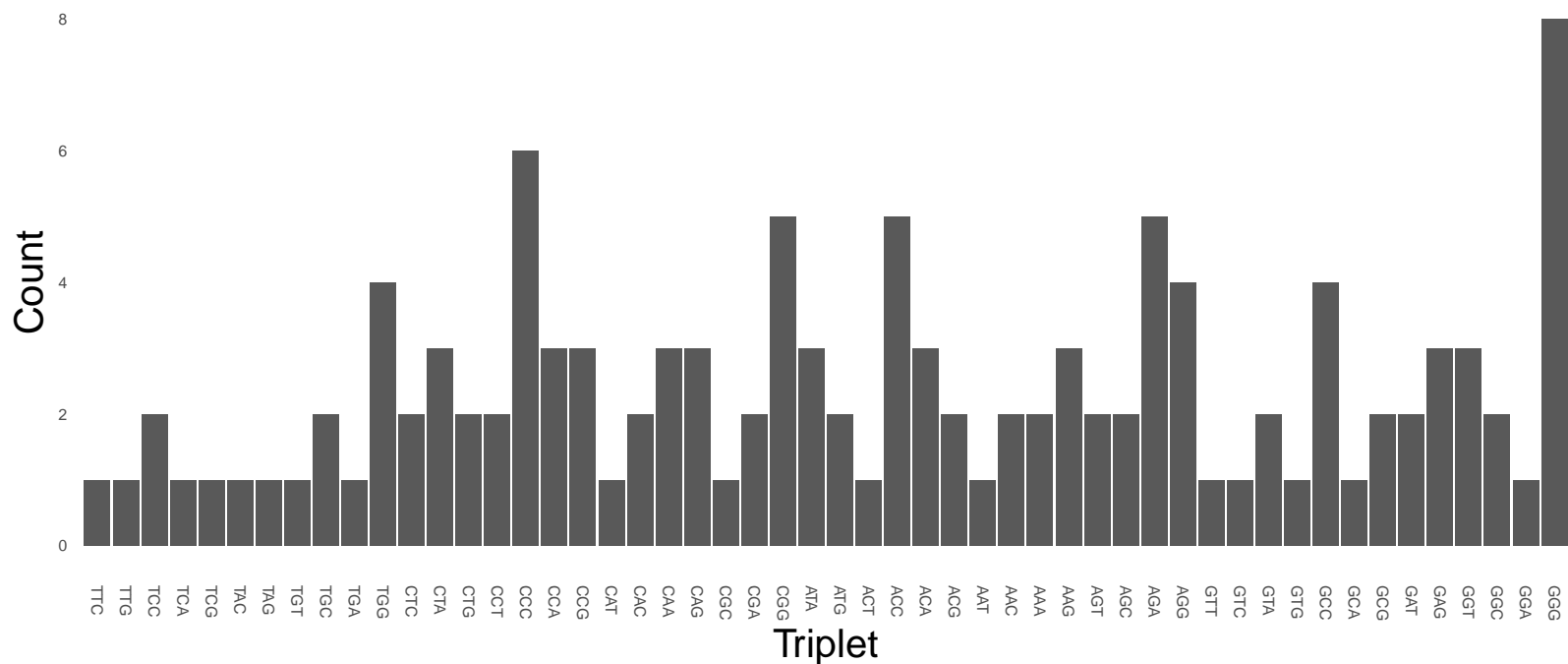
Gene TRBV7-1\*ap01\_T296C



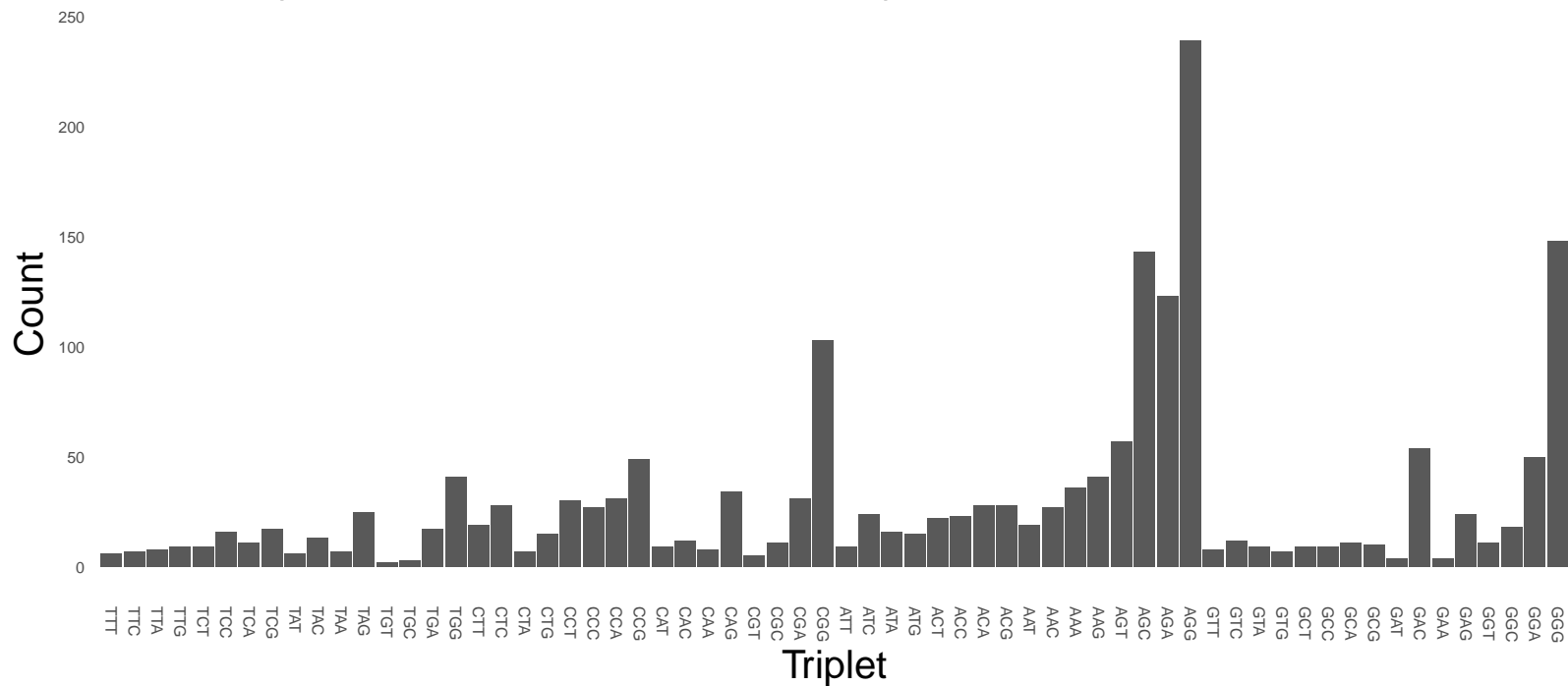
Gene TRBV7-7\*ap01\_C315T



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

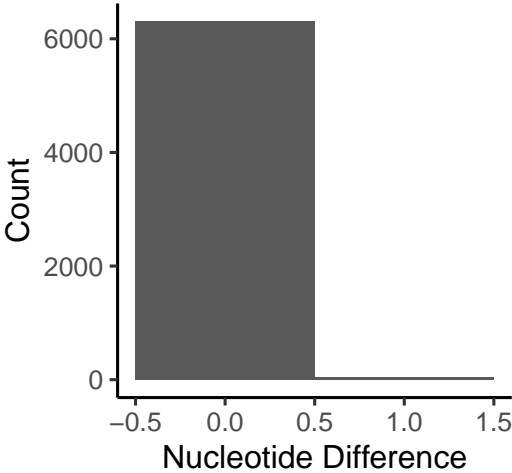


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



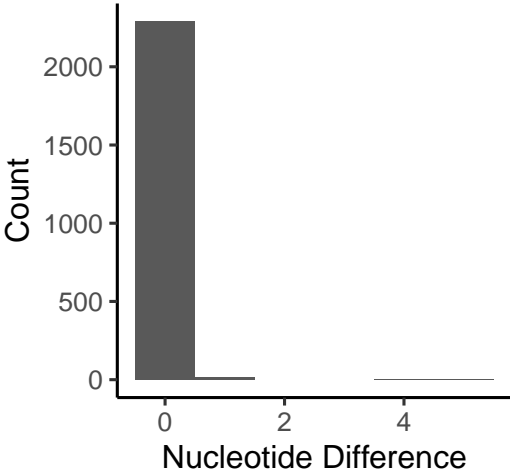
TRBV20-1\*ap01

6342 sequences assigned  
6306 (99.4%) exact matches, in which:  
6272 unique CDR3  
13 unique J



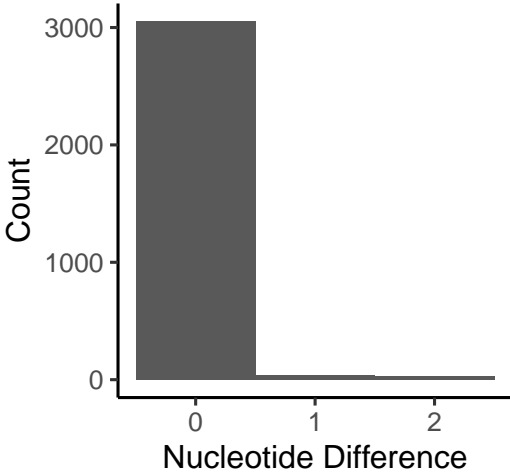
TRBV10-2\*ap01

2306 sequences assigned  
2290 (99.3%) exact matches, in which:  
2270 unique CDR3  
13 unique J



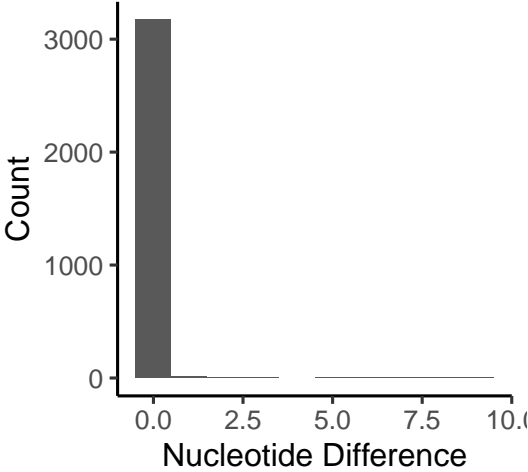
TRBV13\*ap01

3125 sequences assigned  
3052 (97.7%) exact matches, in which:  
3005 unique CDR3  
13 unique J



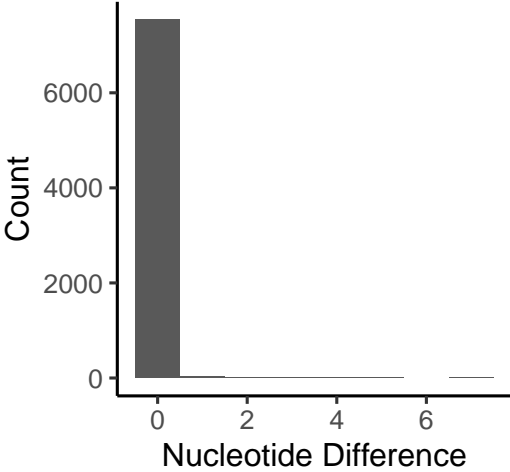
TRBV10-1\*ap01

3195 sequences assigned  
3172 (99.3%) exact matches, in which:  
3146 unique CDR3  
14 unique J



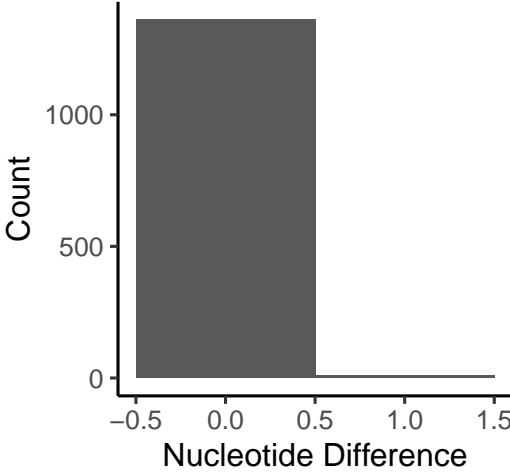
TRBV10-3\*ap01

7588 sequences assigned  
7537 (99.3%) exact matches, in which:  
7470 unique CDR3  
13 unique J



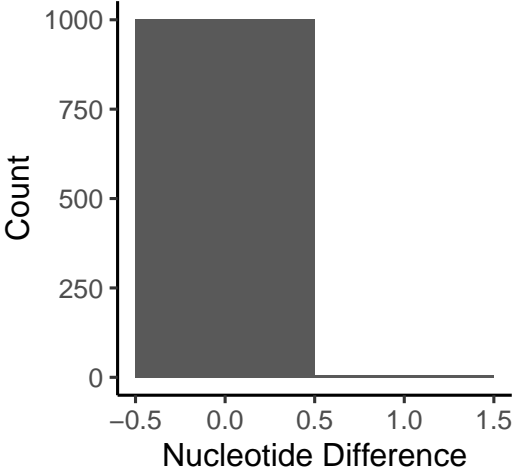
TRBV14\*ap01

1370 sequences assigned  
1361 (99.3%) exact matches, in which:  
1347 unique CDR3  
13 unique J



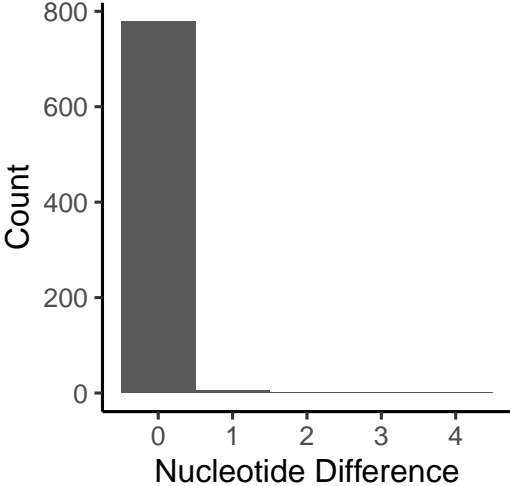
TRBV20-1\*ap02

1008 sequences assigned  
1002 (99.4%) exact matches, in which:  
998 unique CDR3  
13 unique J



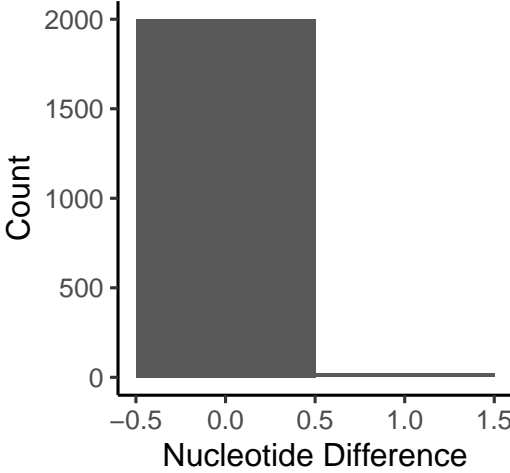
TRBV1\*ap01

789 sequences assigned  
779 (98.7%) exact matches, in which:  
765 unique CDR3  
13 unique J



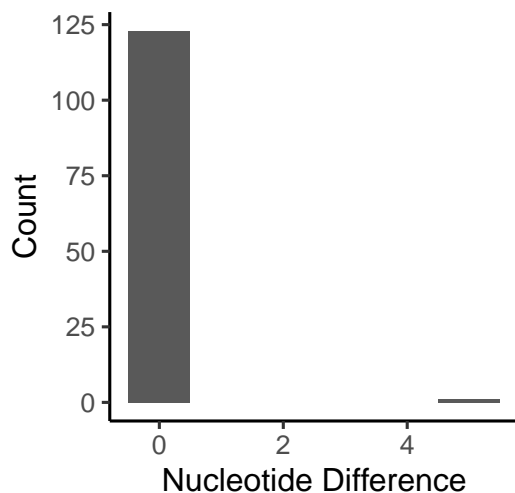
TRBV15\*ap02

2023 sequences assigned  
2001 (98.9%) exact matches, in which:  
1986 unique CDR3  
13 unique J



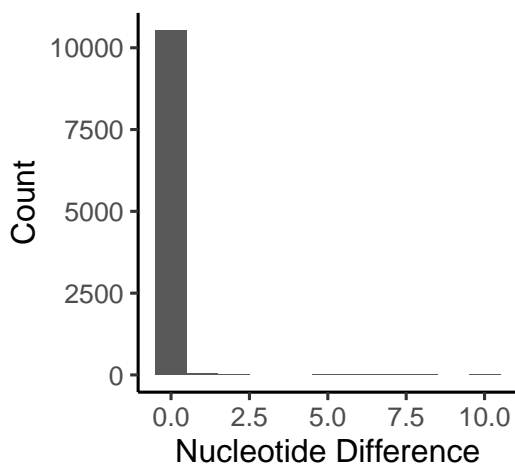
### TRBV16\*ap01

124 sequences assigned  
123 (99.2%) exact matches, in which:  
122 unique CDR3  
12 unique J



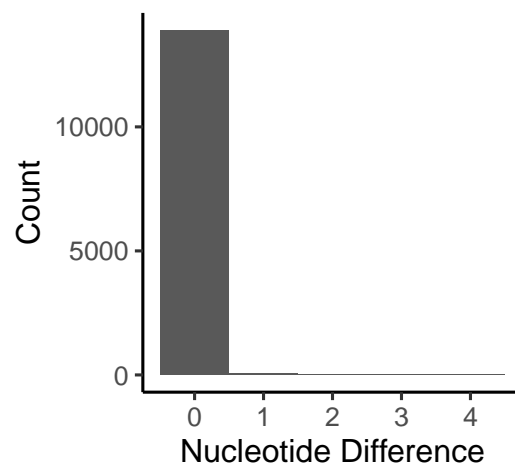
### TRBV19\*ap01

10612 sequences assigned  
10538 (99.3%) exact matches, in which:  
10497 unique CDR3  
13 unique J



### TRBV28\*ap01

13972 sequences assigned  
13900 (99.5%) exact matches, in which:  
13829 unique CDR3  
13 unique J



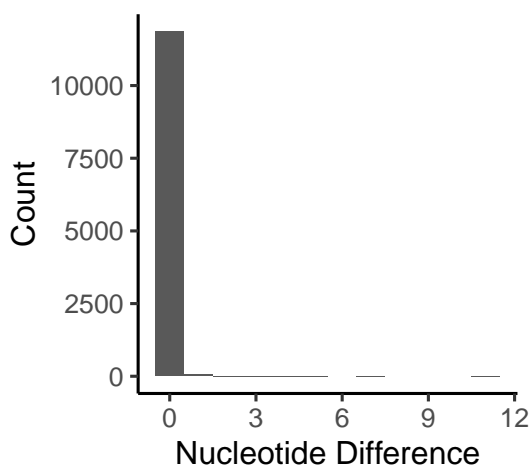
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



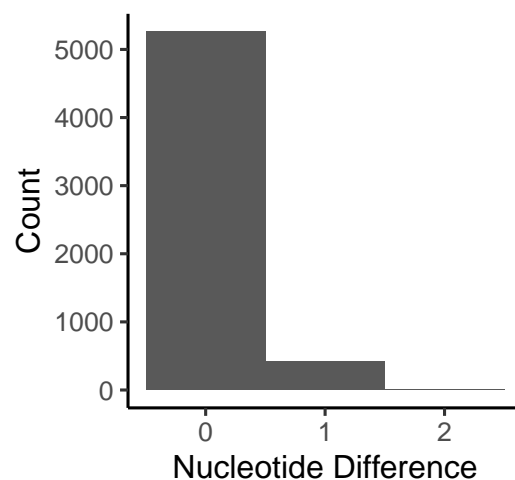
### TRBV2\*ap01

11942 sequences assigned  
11861 (99.3%) exact matches, in which:  
11777 unique CDR3  
13 unique J



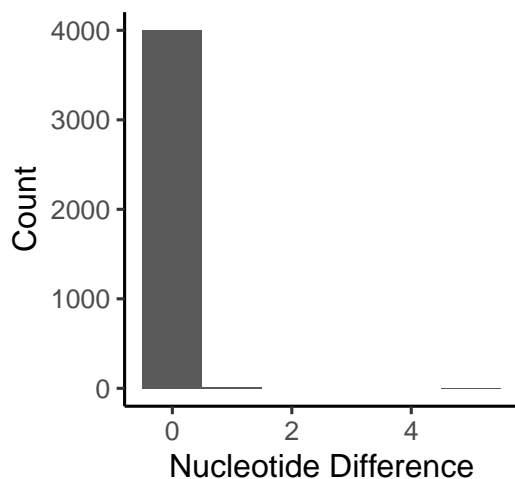
### TRBV30\*ap01

5687 sequences assigned  
5260 (92.5%) exact matches, in which:  
5159 unique CDR3  
13 unique J



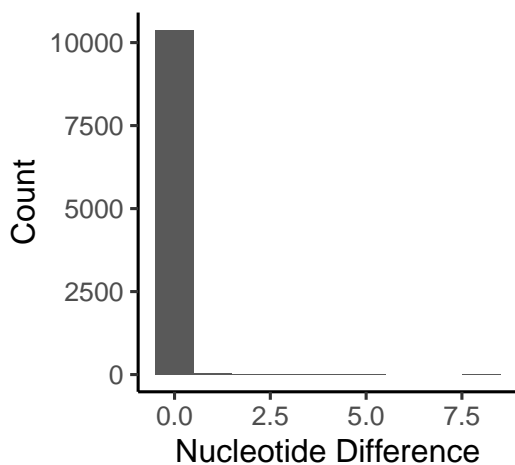
### TRBV18\*ap01

4016 sequences assigned  
4003 (99.7%) exact matches, in which:  
3983 unique CDR3  
13 unique J



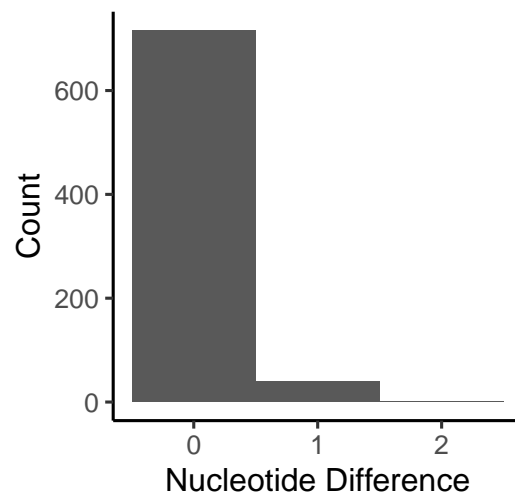
### TRBV27\*ap01

10461 sequences assigned  
10386 (99.3%) exact matches, in which:  
10321 unique CDR3  
13 unique J



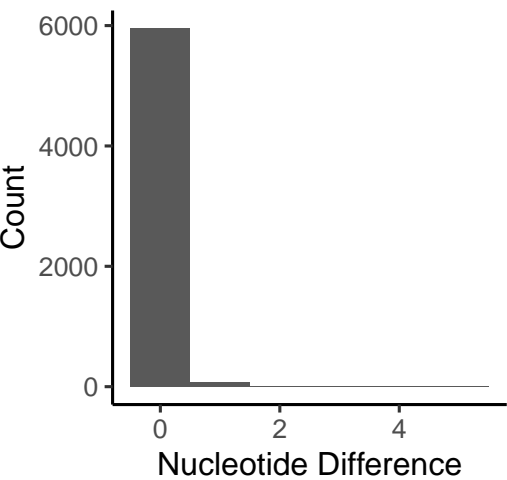
### TRBV30\*ap03

756 sequences assigned  
716 (94.7%) exact matches, in which:  
705 unique CDR3  
13 unique J



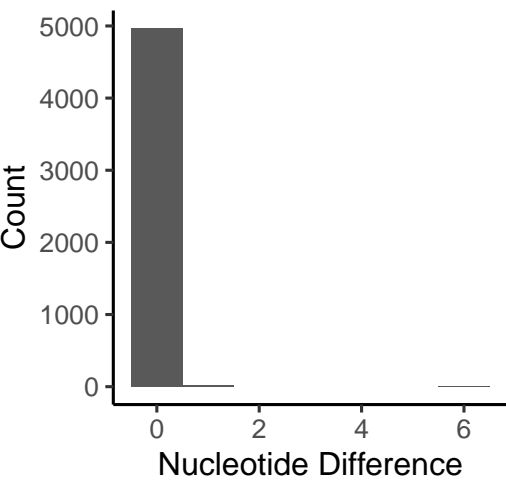
TRBV9\*ap01

6028 sequences assigned  
5953 (98.8%) exact matches, in which:  
5920 unique CDR3  
13 unique J



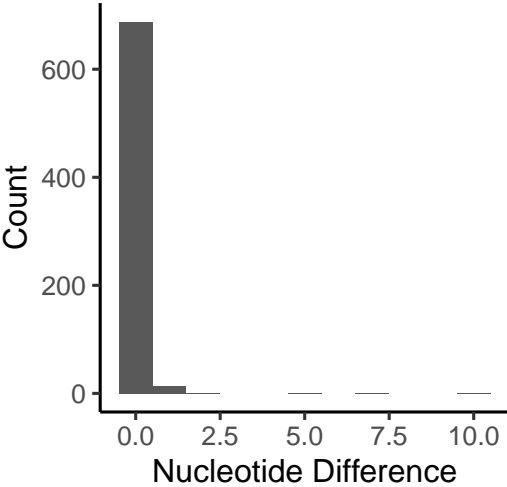
TRBV11-2\*ap01

4983 sequences assigned  
4966 (99.7%) exact matches, in which:  
4953 unique CDR3  
13 unique J



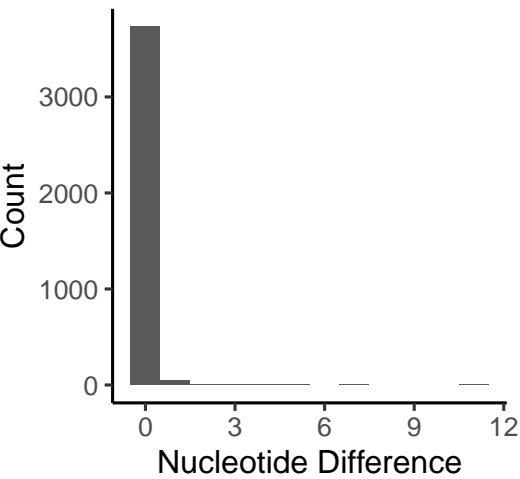
TRBV12-2\*ap01

705 sequences assigned  
688 (97.6%) exact matches, in which:  
683 unique CDR3  
13 unique J



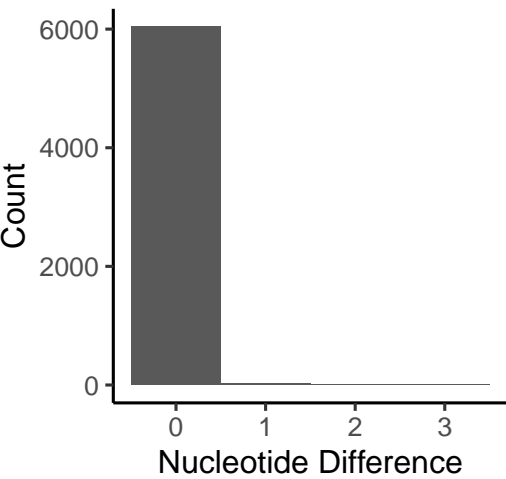
TRBV21-1\*ap01

3792 sequences assigned  
3731 (98.4%) exact matches, in which:  
3716 unique CDR3  
13 unique J



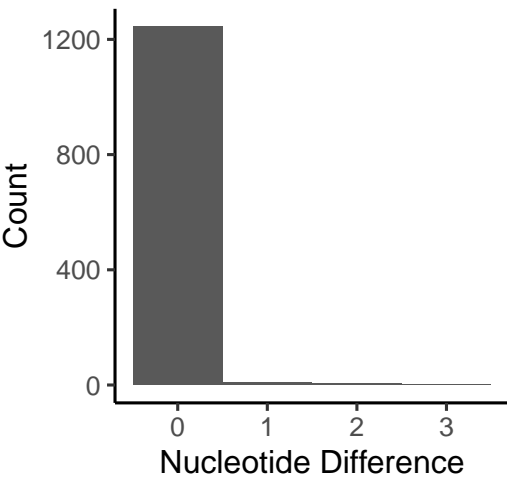
TRBV11-3\*ap01

6070 sequences assigned  
6040 (99.5%) exact matches, in which:  
6025 unique CDR3  
13 unique J



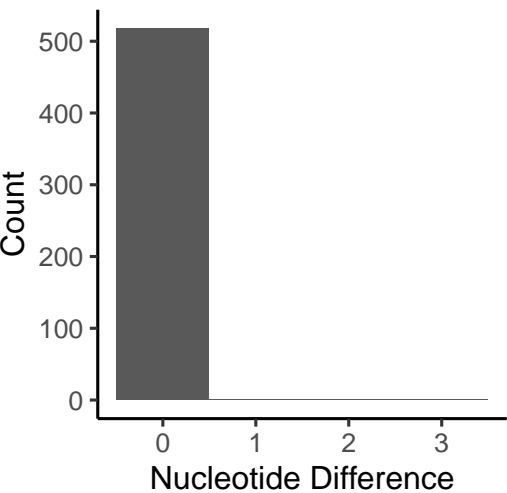
TRBV12-5\*ap01

1259 sequences assigned  
1244 (98.8%) exact matches, in which:  
1232 unique CDR3  
13 unique J



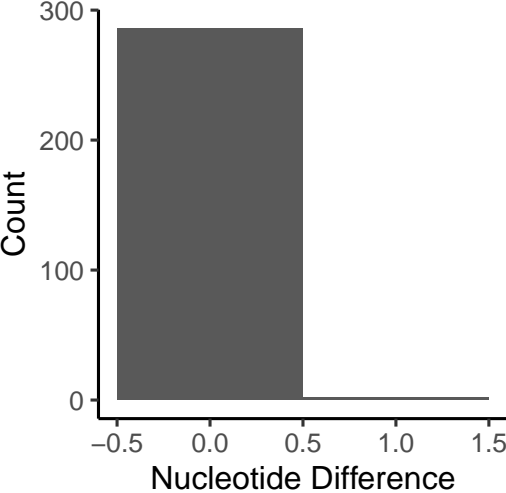
TRBV11-1\*ap01

521 sequences assigned  
518 (99.4%) exact matches, in which:  
515 unique CDR3  
13 unique J



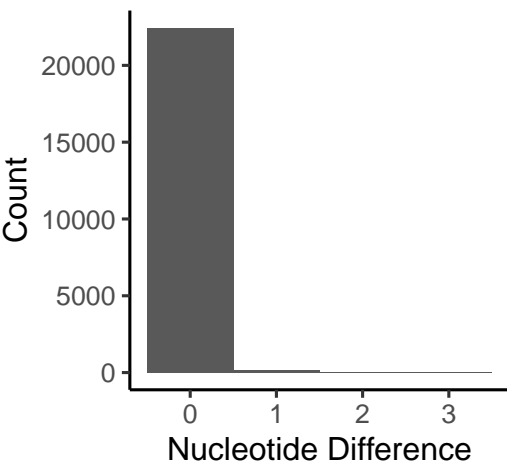
TRBV12-1\*ap01

288 sequences assigned  
286 (99.3%) exact matches, in which:  
283 unique CDR3  
13 unique J



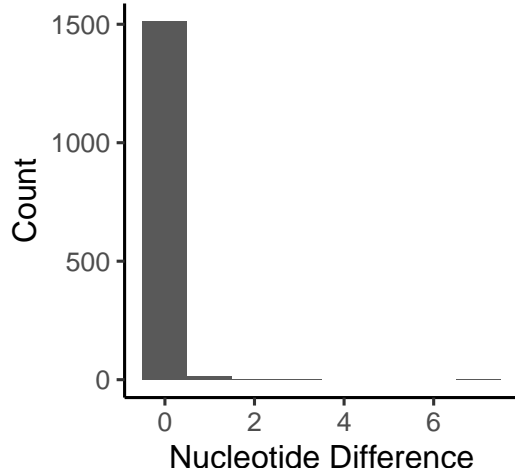
TRBV12-34\*ap01

22623 sequences assigned  
22446 (99.2%) exact matches, in which:  
22275 unique CDR3  
14 unique J



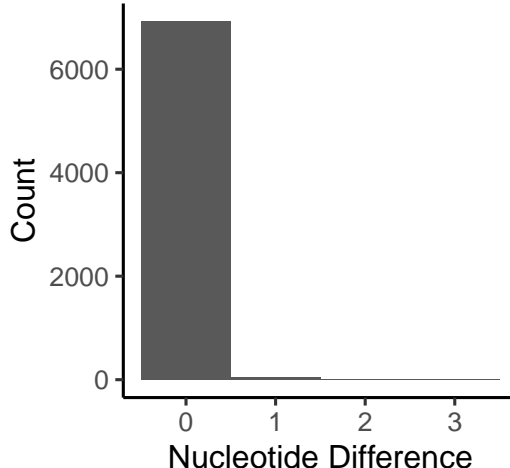
### TRBV23-1\*ap01

1532 sequences assigned  
1512 (98.7%) exact matches, in which:  
1500 unique CDR3  
13 unique J



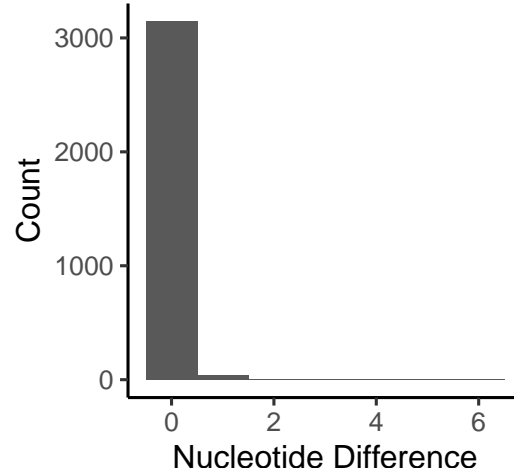
### TRBV4-1\*ap01

6977 sequences assigned  
6924 (99.2%) exact matches, in which:  
6852 unique CDR3  
13 unique J



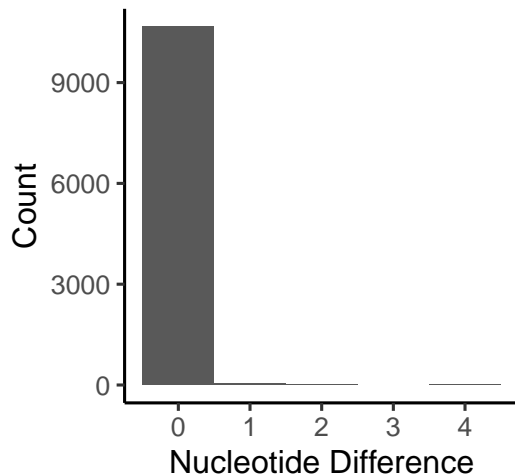
### TRBV25-1\*ap01

3188 sequences assigned  
3145 (98.7%) exact matches, in which:  
3094 unique CDR3  
13 unique J



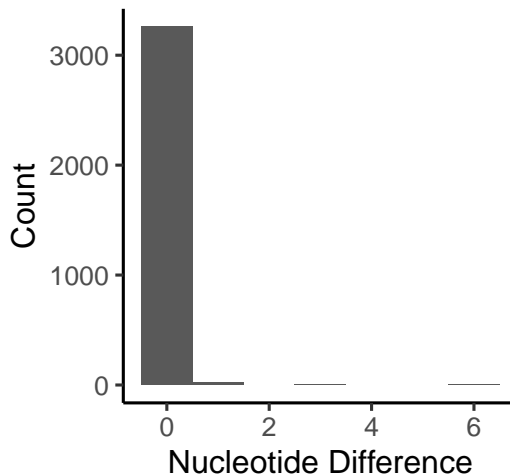
### TRBV3-12\*ap01

10703 sequences assigned  
10663 (99.6%) exact matches, in which:  
10627 unique CDR3  
13 unique J



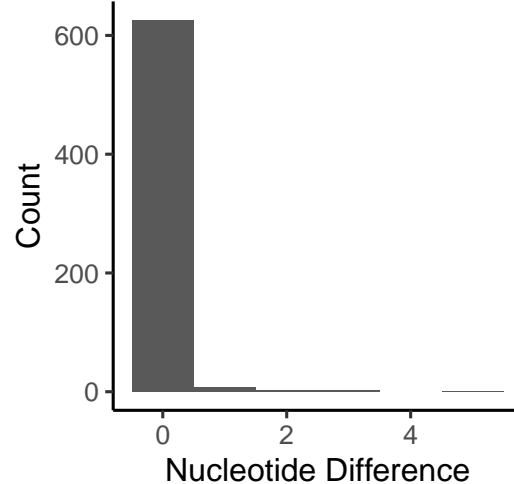
### TRBV4-2\*ap01

3286 sequences assigned  
3259 (99.2%) exact matches, in which:  
3226 unique CDR3  
13 unique J



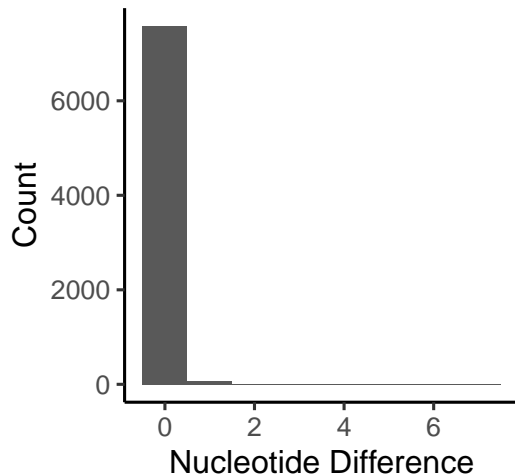
### TRBV5-3\*ap01

640 sequences assigned  
626 (97.8%) exact matches, in which:  
621 unique CDR3  
13 unique J



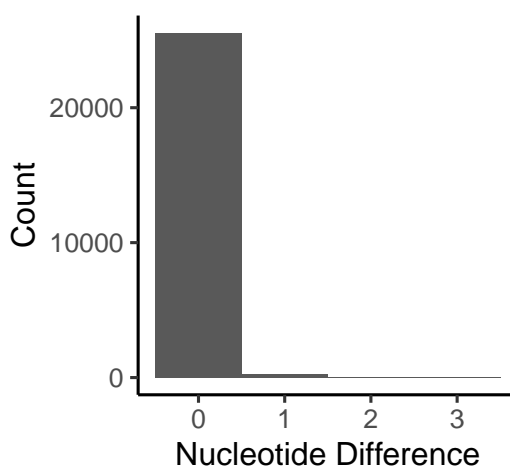
### TRBV24-1\*ap01

7665 sequences assigned  
7582 (98.9%) exact matches, in which:  
7482 unique CDR3  
13 unique J



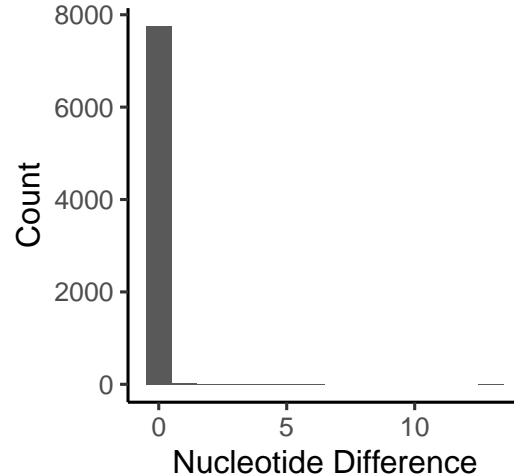
### TRBV5-1\*ap01

25788 sequences assigned  
25552 (99.1%) exact matches, in which:  
25332 unique CDR3  
13 unique J



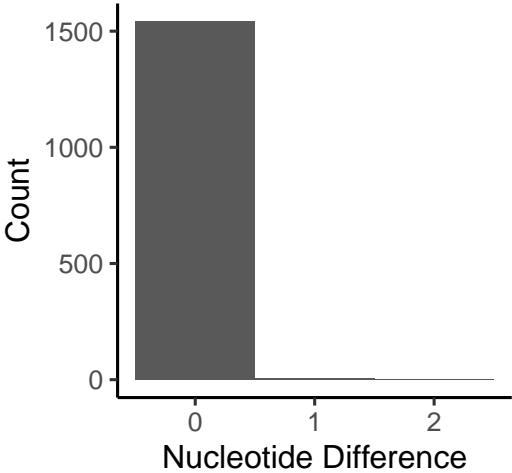
### TRBV5-4\*ap01

7796 sequences assigned  
7755 (99.5%) exact matches, in which:  
7691 unique CDR3  
13 unique J



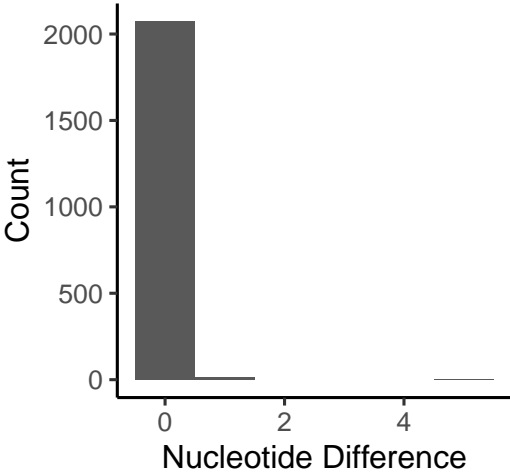
TRBV5-5\*ap01

1551 sequences assigned  
1542 (99.4%) exact matches, in which:  
1541 unique CDR3  
13 unique J



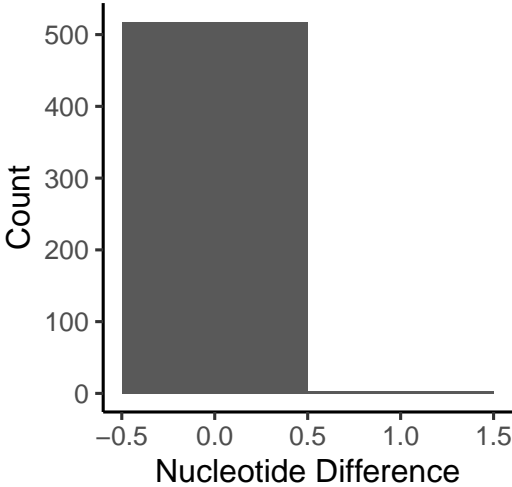
TRBV5-8\*ap01

2087 sequences assigned  
2073 (99.3%) exact matches, in which:  
2057 unique CDR3  
13 unique J



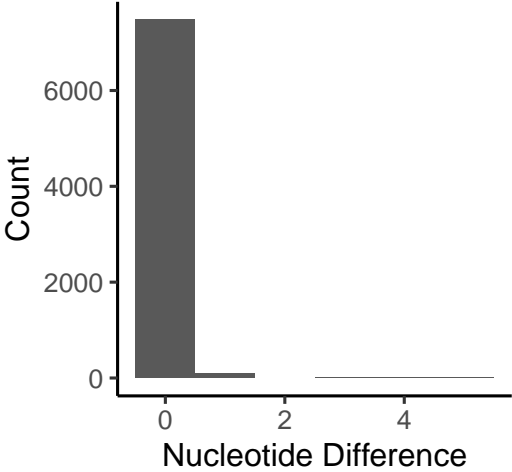
TRBV6-7\*ap01

521 sequences assigned  
518 (99.4%) exact matches, in which:  
510 unique CDR3  
13 unique J



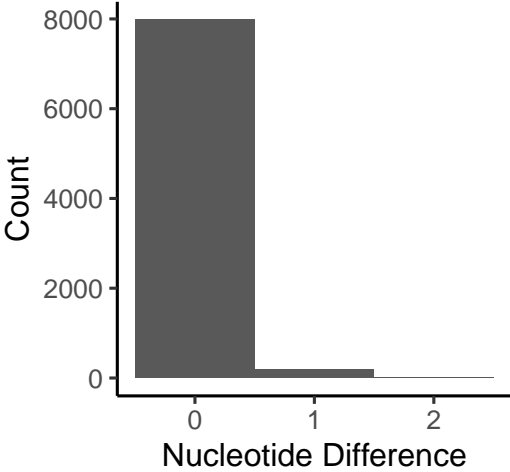
TRBV5-6\*ap01

7582 sequences assigned  
7477 (98.6%) exact matches, in which:  
7378 unique CDR3  
13 unique J



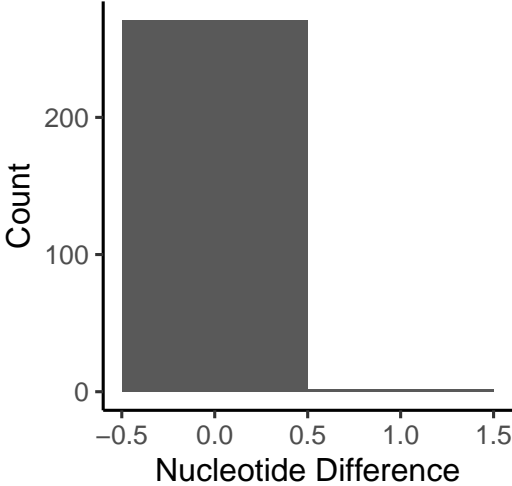
TRBV6-1\*ap01

8168 sequences assigned  
7982 (97.7%) exact matches, in which:  
7900 unique CDR3  
13 unique J



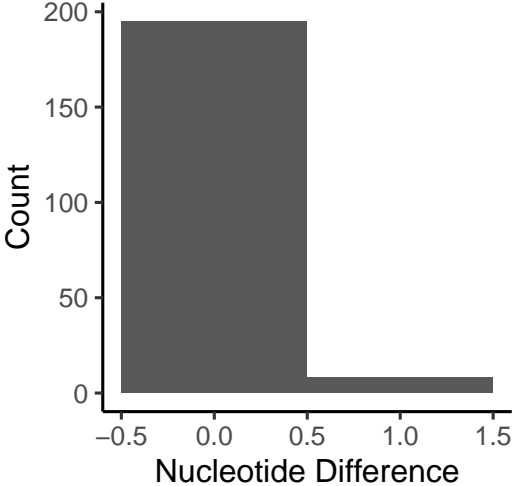
TRBV6-8\*ap01

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



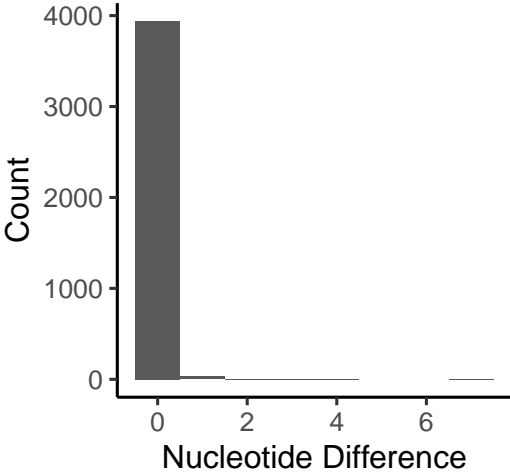
TRBV5-7\*ap01

203 sequences assigned  
195 (96.1%) exact matches, in which:  
193 unique CDR3  
13 unique J



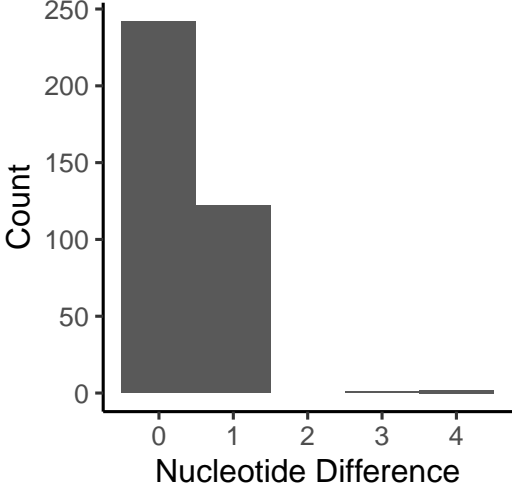
TRBV6-4\*ap01

3979 sequences assigned  
3940 (99%) exact matches, in which:  
3914 unique CDR3  
13 unique J



TRBV6-9\*ap01

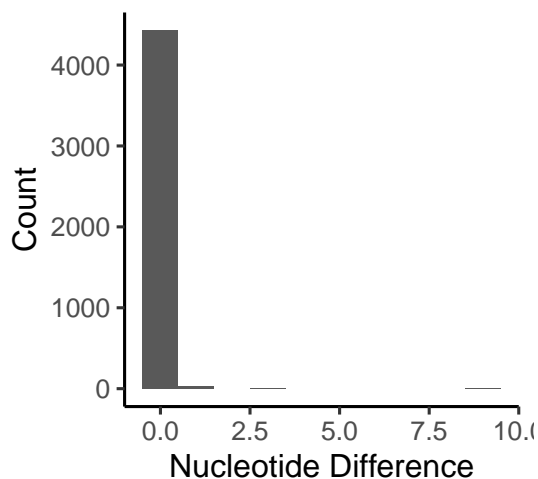
367 sequences assigned  
242 (65.9%) exact matches, in which:  
233 unique CDR3  
13 unique J





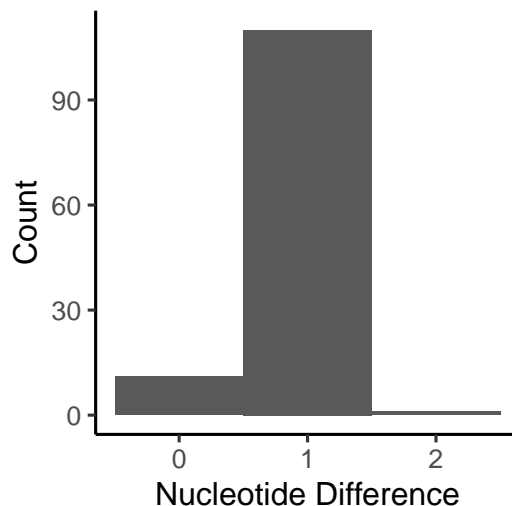
### TRBV6–23\*ap01

4460 sequences assigned  
4428 (99.3%) exact matches, in which:  
4367 unique CDR3  
13 unique J



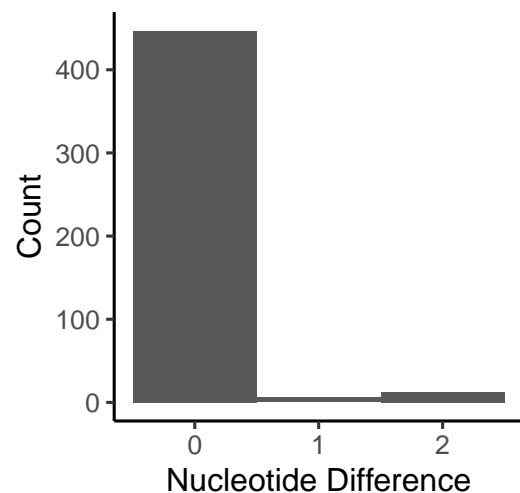
### TRBV7–1\*ap01\_T296C

122 sequences assigned  
11 (9%) exact matches, in which:  
10 unique CDR3  
8 unique J



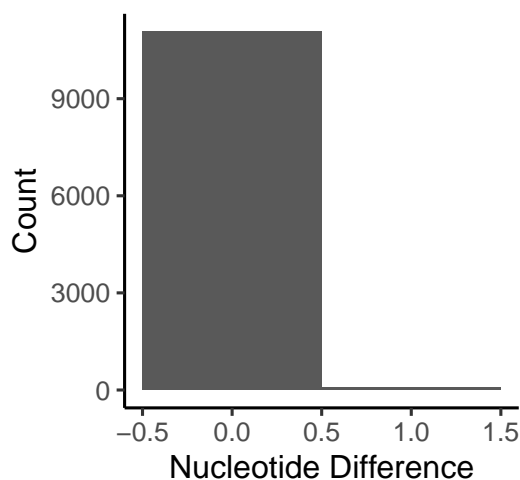
### TRBV7–4\*ap01

466 sequences assigned  
447 (95.9%) exact matches, in which:  
443 unique CDR3  
13 unique J



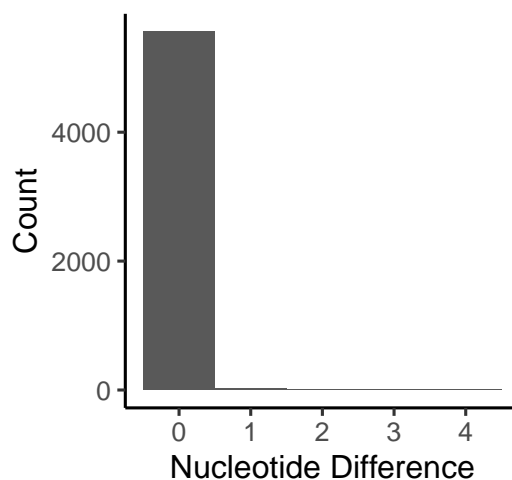
### TRBV6–56\*ap01

11145 sequences assigned  
11069 (99.3%) exact matches, in which:  
10943 unique CDR3  
14 unique J



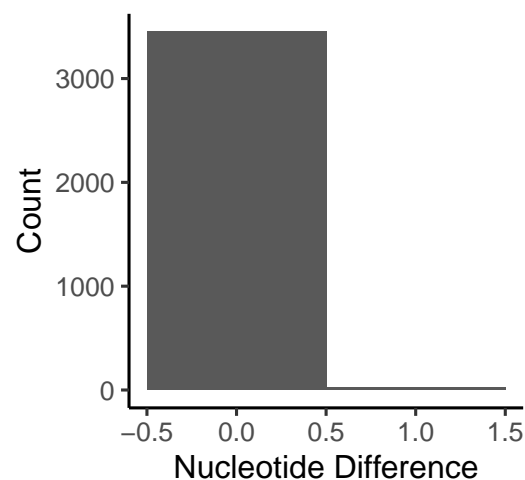
### TRBV7–2\*ap01

5583 sequences assigned  
5559 (99.6%) exact matches, in which:  
5528 unique CDR3  
13 unique J



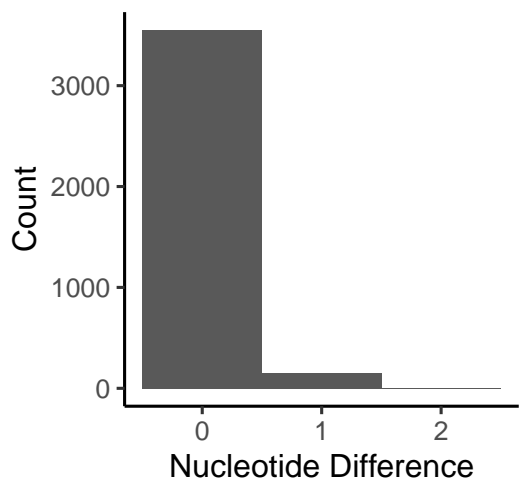
### TRBV7–6\*ap01

3475 sequences assigned  
3451 (99.3%) exact matches, in which:  
3433 unique CDR3  
13 unique J



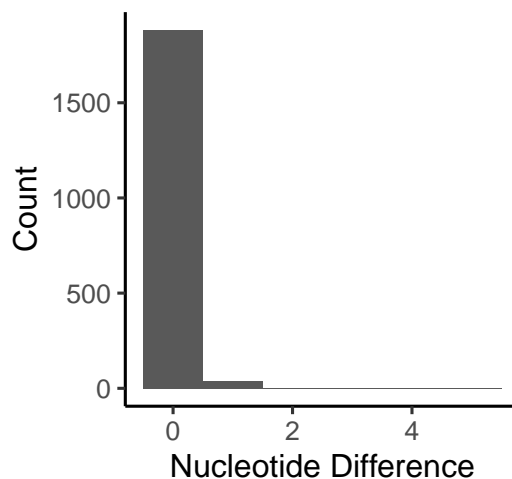
### TRBV6–56\*ap02

3709 sequences assigned  
3551 (95.7%) exact matches, in which:  
3504 unique CDR3  
13 unique J



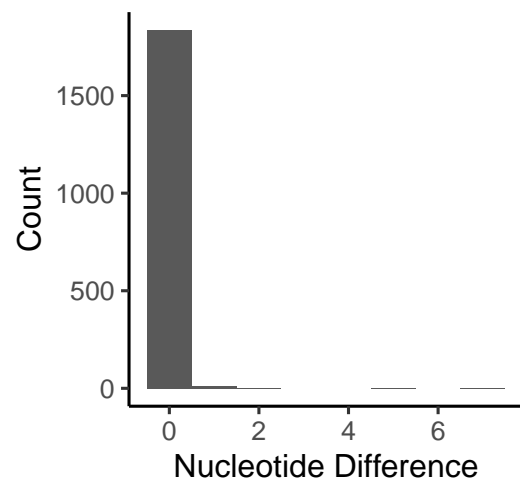
### TRBV7–3\*ap03

1925 sequences assigned  
1882 (97.8%) exact matches, in which:  
1873 unique CDR3  
13 unique J



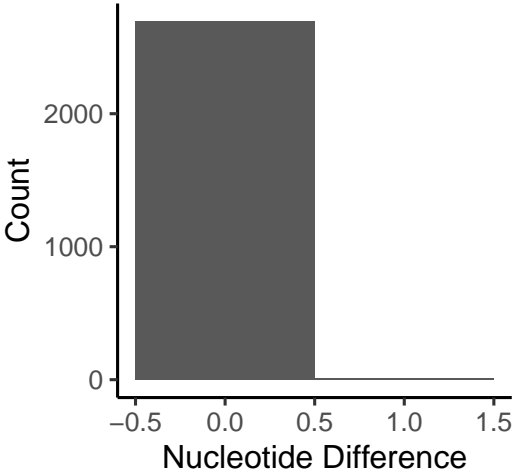
### TRBV7–7\*ap01\_C315T

1854 sequences assigned  
1836 (99%) exact matches, in which:  
1819 unique CDR3  
13 unique J



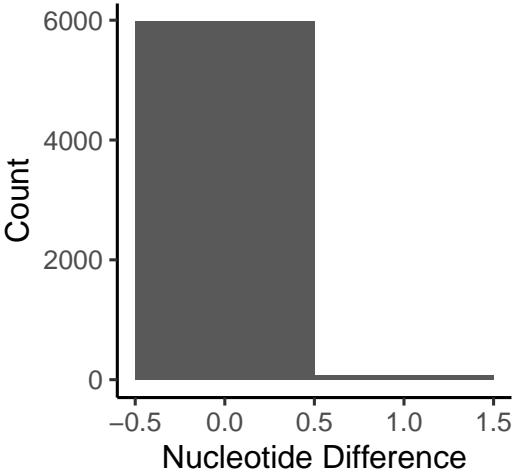
TRBV7-8\*ap01

2706 sequences assigned  
2694 (99.6%) exact matches, in which:  
2672 unique CDR3  
13 unique J



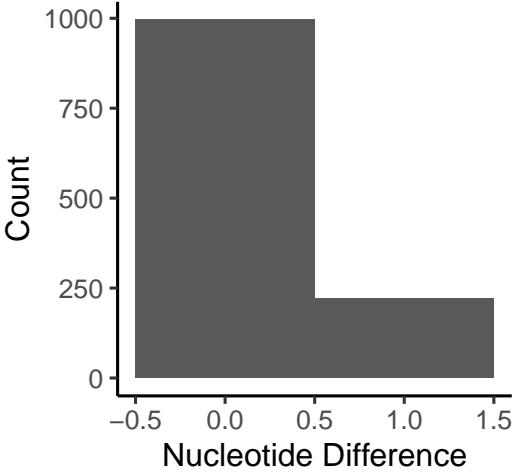
TRBV29-1\*ap01

6050 sequences assigned  
5980 (98.8%) exact matches, in which:  
5856 unique CDR3  
13 unique J



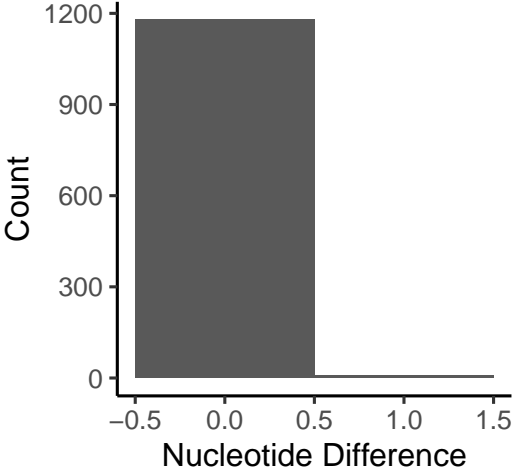
TRBV7-8\*ap03

1218 sequences assigned  
996 (81.8%) exact matches, in which:  
989 unique CDR3  
13 unique J



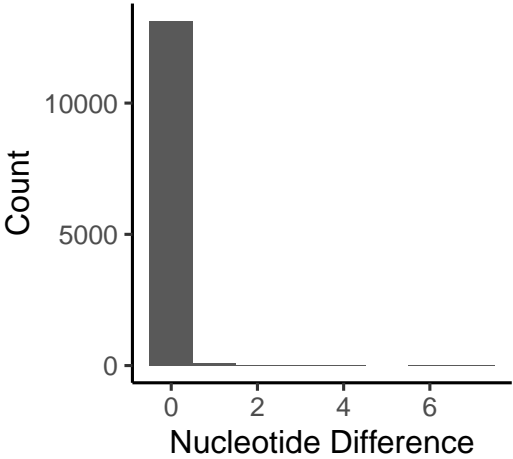
TRBV29-1\*ap02

1188 sequences assigned  
1179 (99.2%) exact matches, in which:  
1155 unique CDR3  
13 unique J

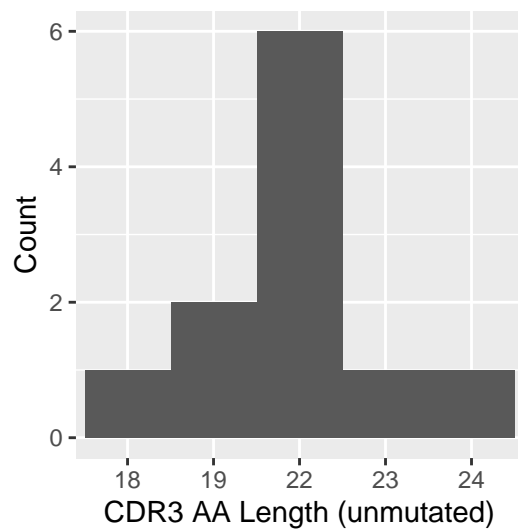


TRBV7-9\*ap01

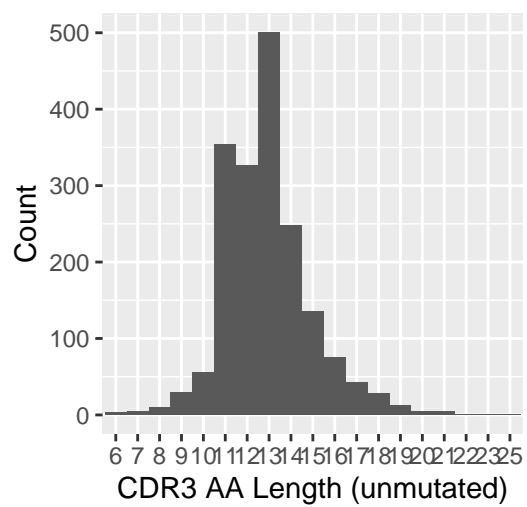
13238 sequences assigned  
13136 (99.2%) exact matches, in which:  
13065 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.