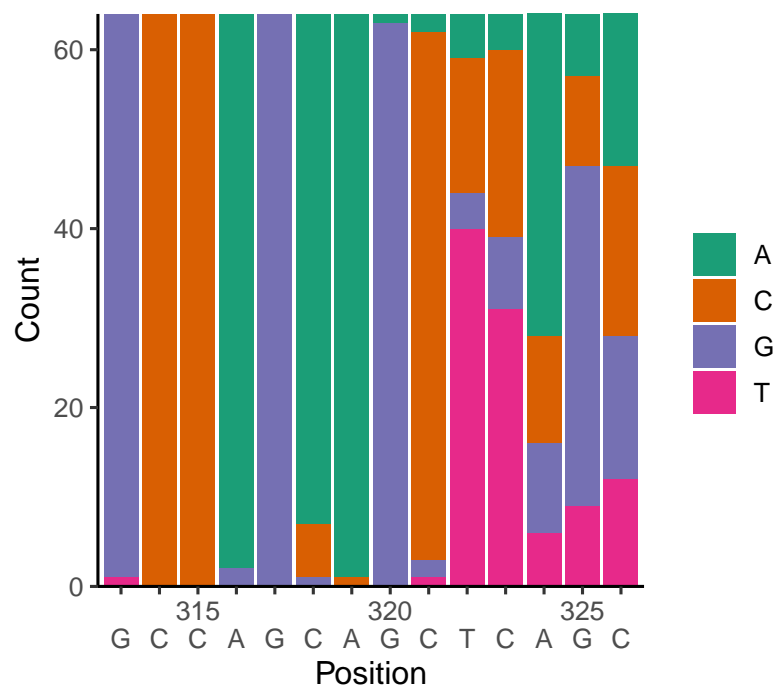
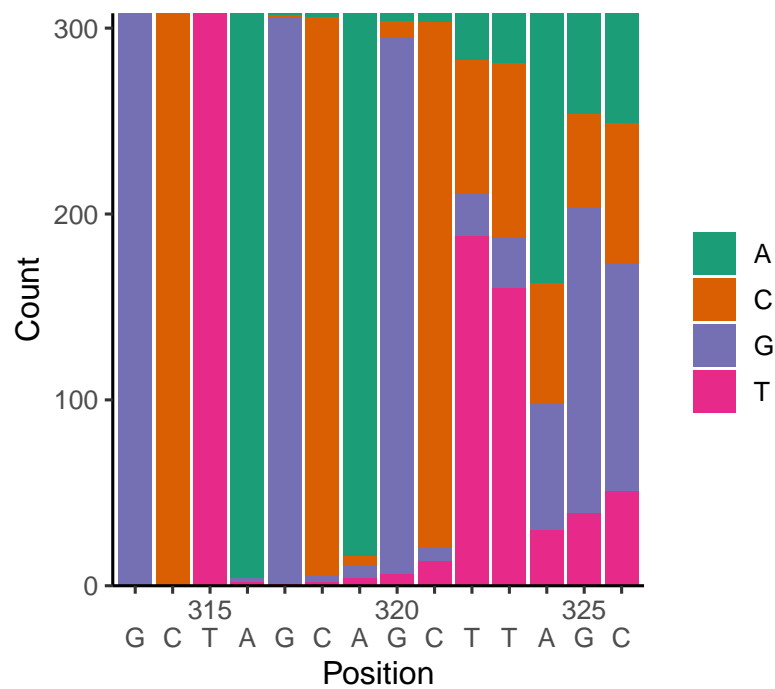


Gene TRBV7-1\*ap01\_G291C\_T296C



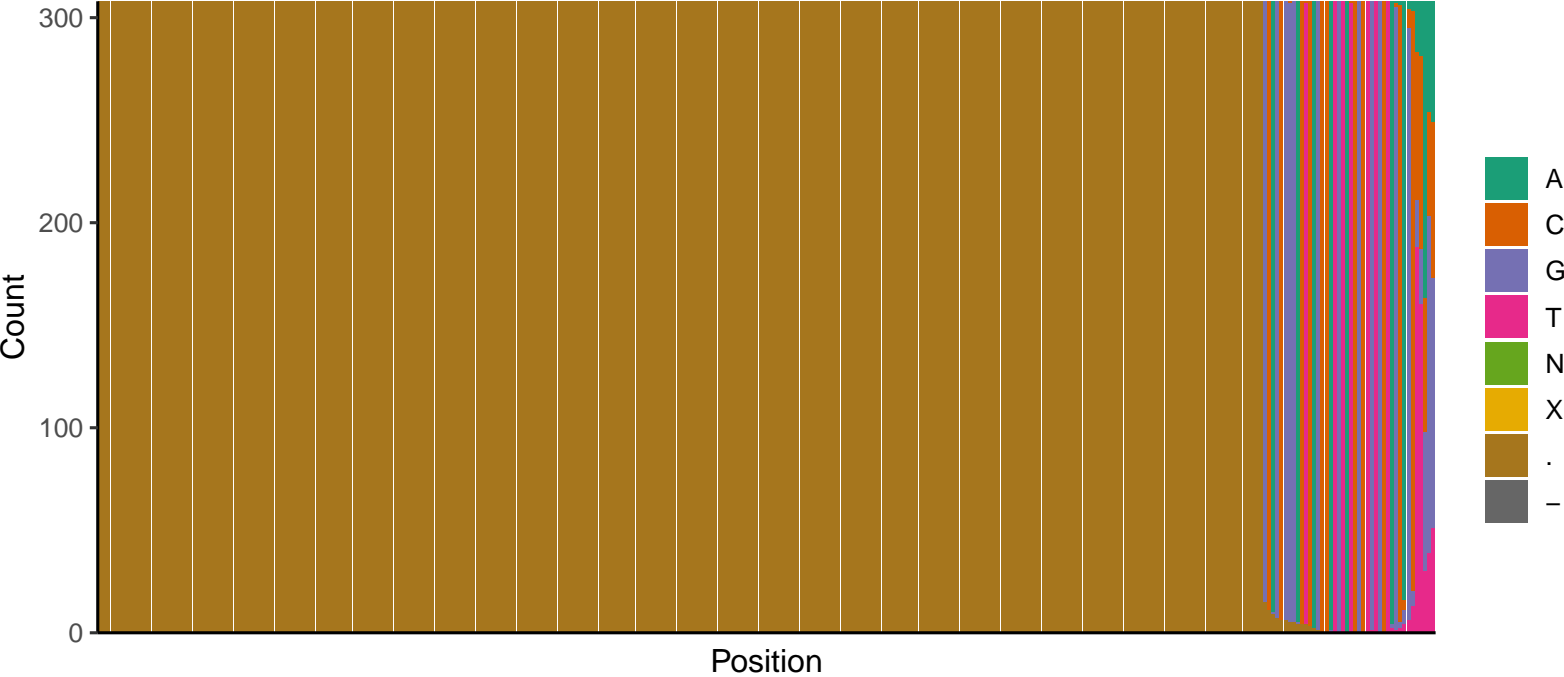
Gene TRBV7-7\*ap01\_C315T



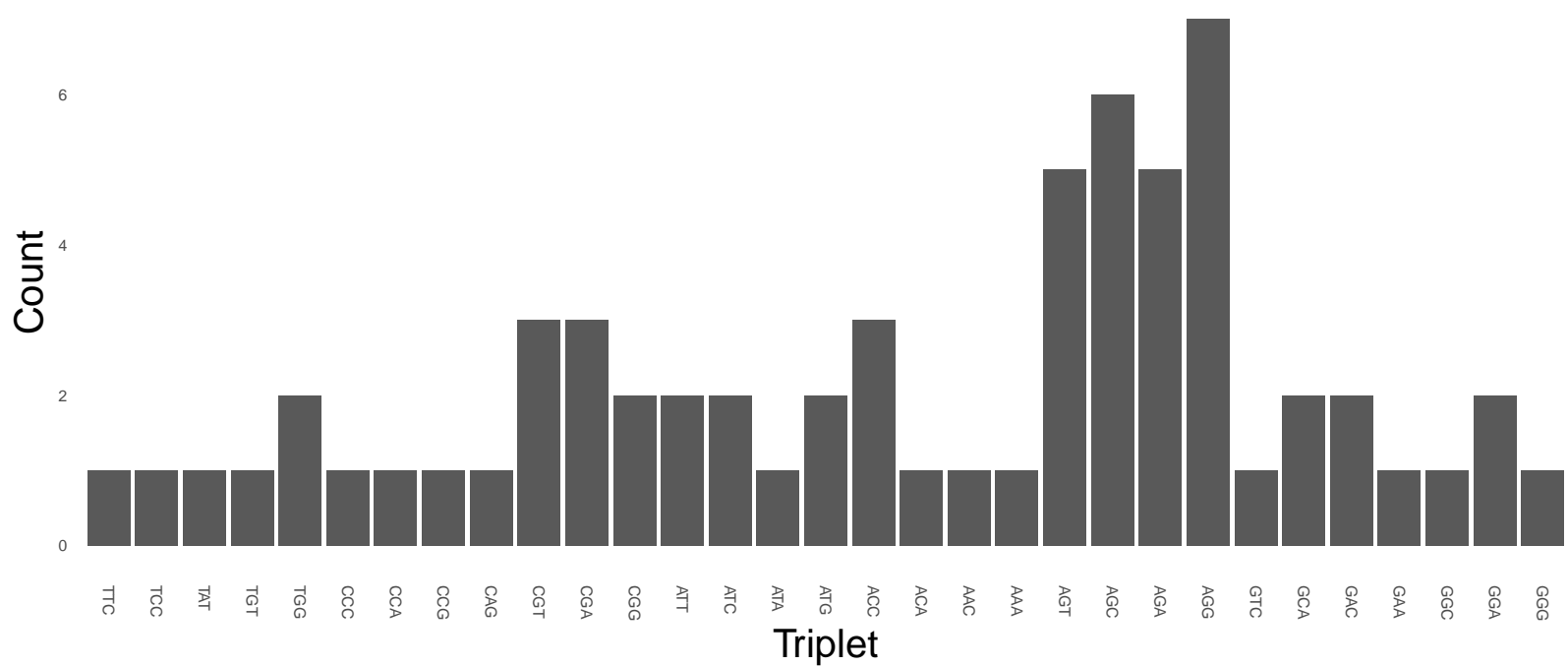
Gene TRBV7-1\*ap01\_G291C\_T296C



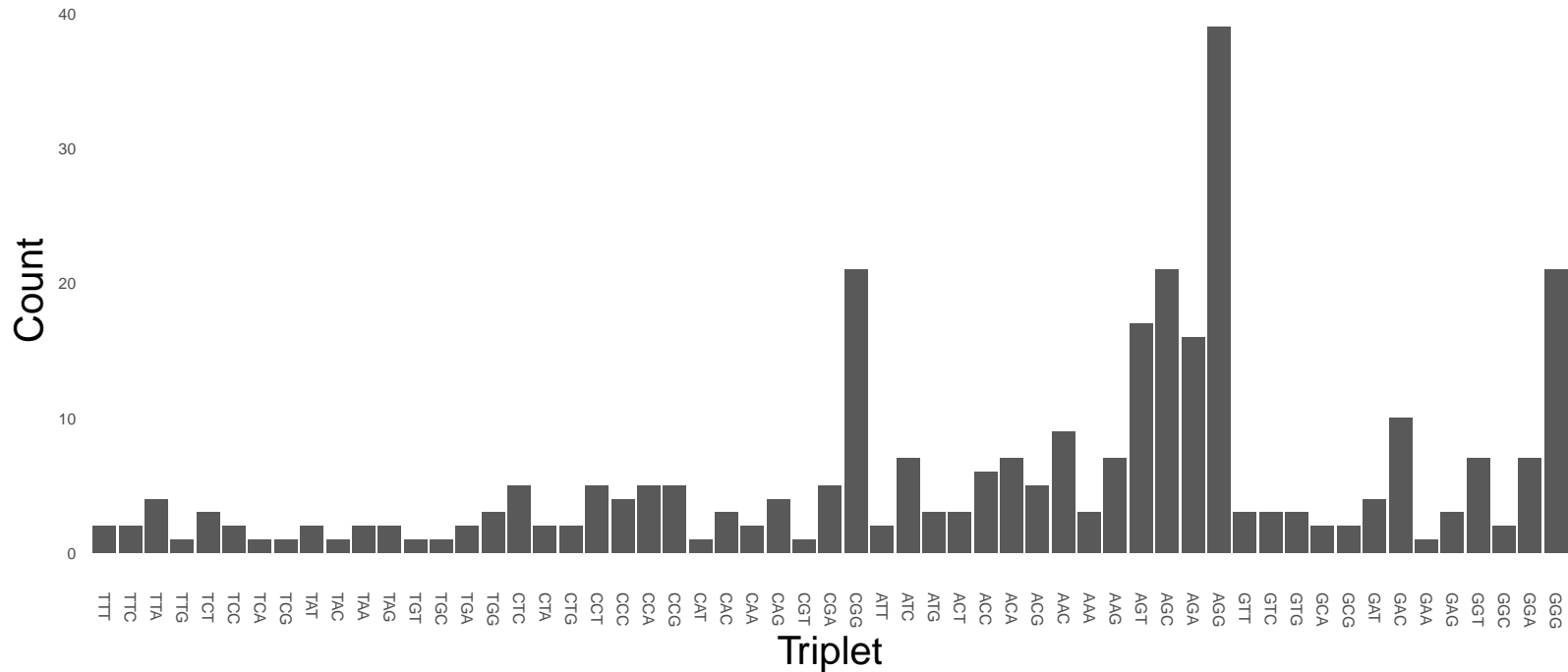
Gene TRBV7-7\*ap01\_C315T



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

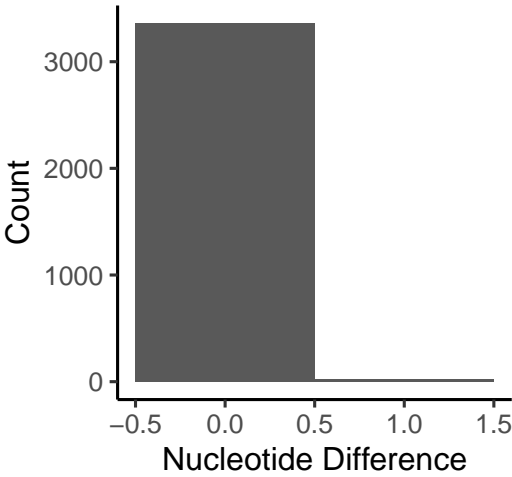


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



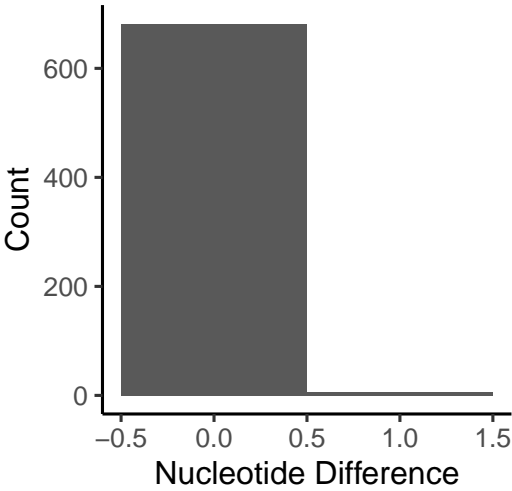
TRBV20-1\*ap01

3386 sequences assigned  
3359 (99.2%) exact matches, in which:  
3337 unique CDR3  
13 unique J



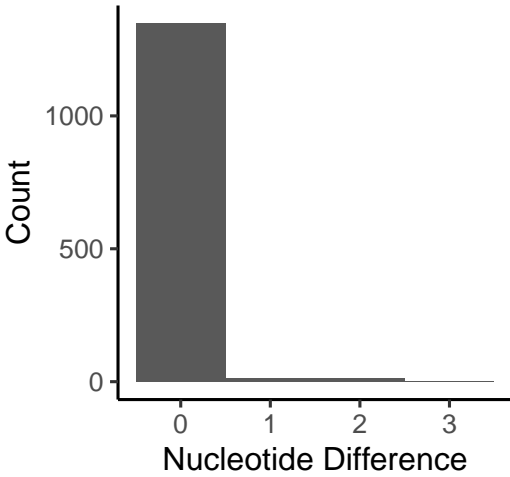
TRBV10-2\*ap01

688 sequences assigned  
682 (99.1%) exact matches, in which:  
681 unique CDR3  
13 unique J



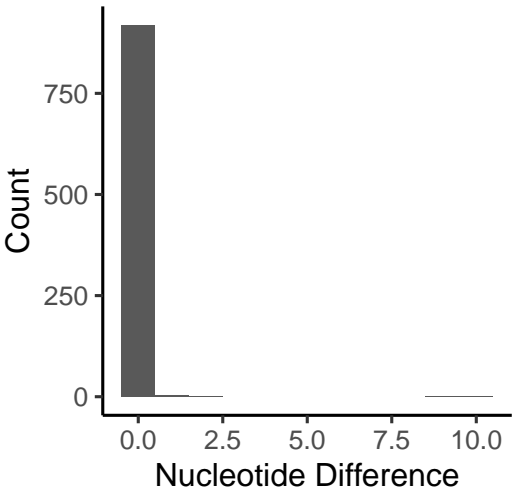
TRBV13\*ap01

1375 sequences assigned  
1348 (98%) exact matches, in which:  
1331 unique CDR3  
13 unique J



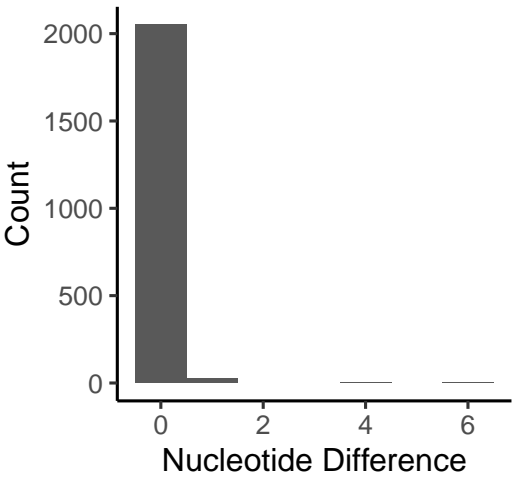
TRBV10-1\*ap01

925 sequences assigned  
919 (99.4%) exact matches, in which:  
908 unique CDR3  
13 unique J



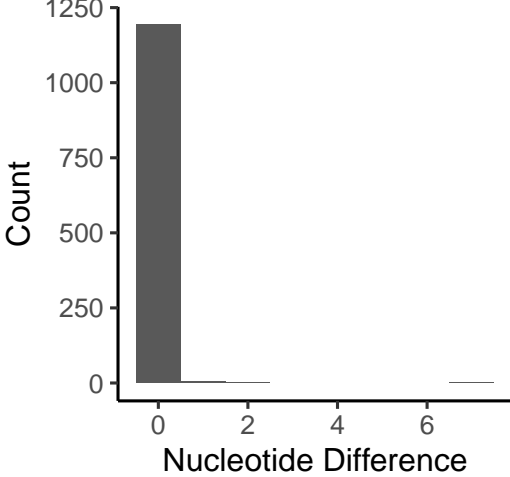
TRBV10-3\*ap01

2079 sequences assigned  
2051 (98.7%) exact matches, in which:  
2029 unique CDR3  
13 unique J



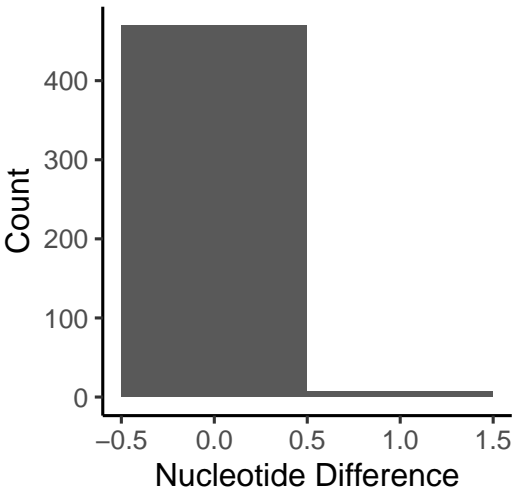
TRBV14\*ap01

1201 sequences assigned  
1193 (99.3%) exact matches, in which:  
1185 unique CDR3  
13 unique J



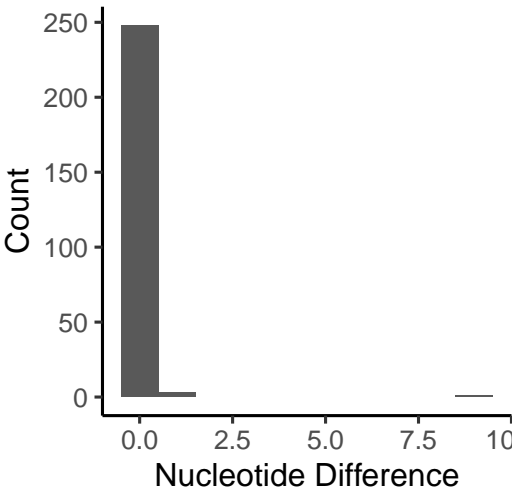
TRBV20-1\*ap02

477 sequences assigned  
470 (98.5%) exact matches, in which:  
467 unique CDR3  
13 unique J



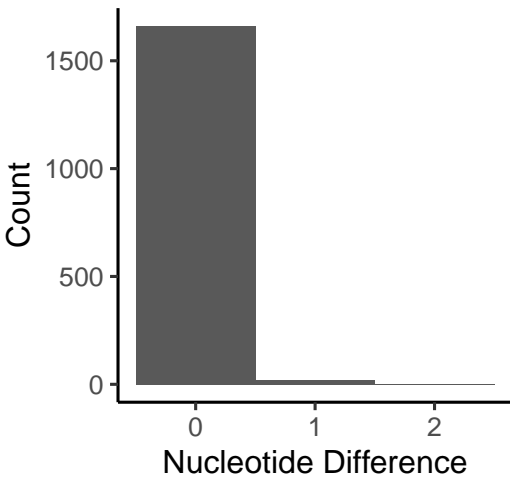
TRBV1\*ap01

252 sequences assigned  
248 (98.4%) exact matches, in which:  
243 unique CDR3  
13 unique J



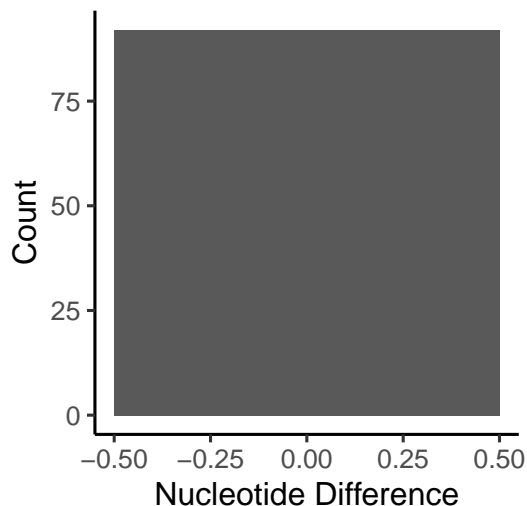
TRBV15\*ap02

1684 sequences assigned  
1661 (98.6%) exact matches, in which:  
1638 unique CDR3  
13 unique J



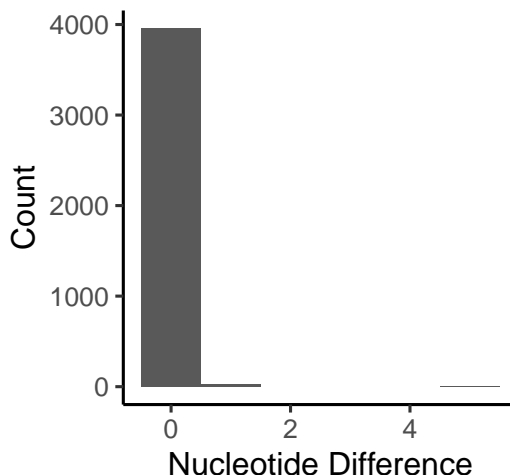
### TRBV16\*ap01

92 sequences assigned  
92 (100%) exact matches, in which:  
92 unique CDR3  
12 unique J



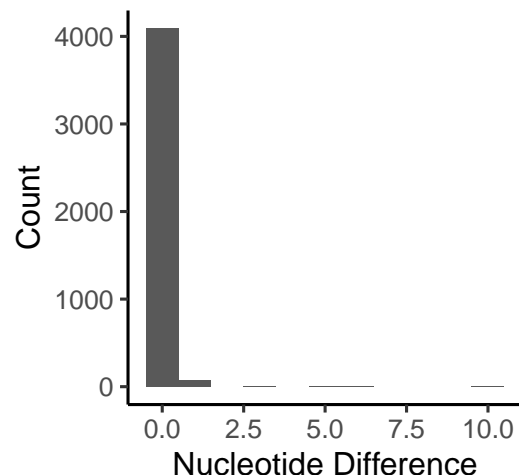
### TRBV2\*ap01

3987 sequences assigned  
3957 (99.2%) exact matches, in which:  
3916 unique CDR3  
13 unique J



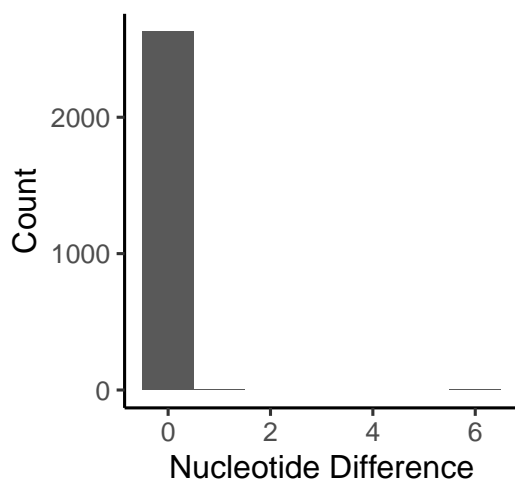
### TRBV30\*ap01

4167 sequences assigned  
4091 (98.2%) exact matches, in which:  
4020 unique CDR3  
13 unique J



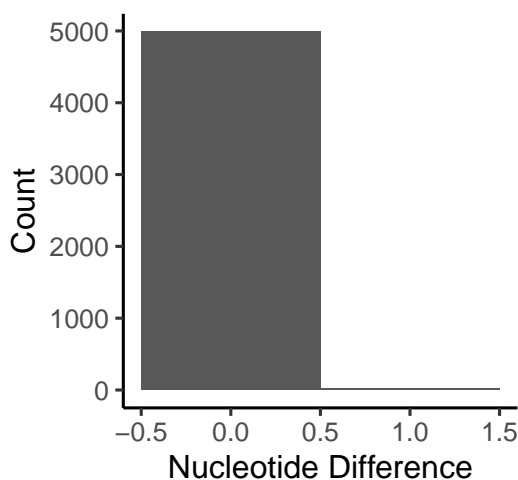
### TRBV18\*ap01

2634 sequences assigned  
2627 (99.7%) exact matches, in which:  
2617 unique CDR3  
13 unique J



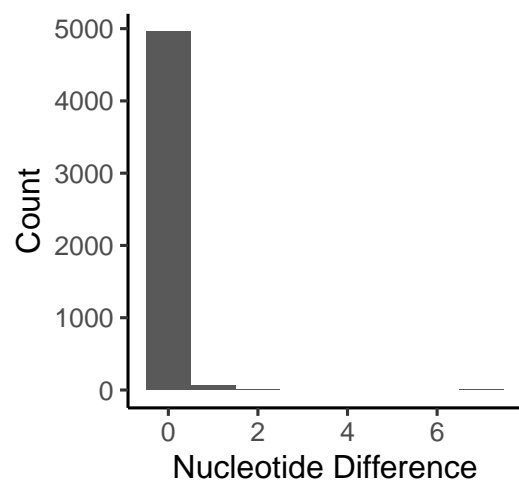
### TRBV27\*ap01

5013 sequences assigned  
4989 (99.5%) exact matches, in which:  
4948 unique CDR3  
13 unique J



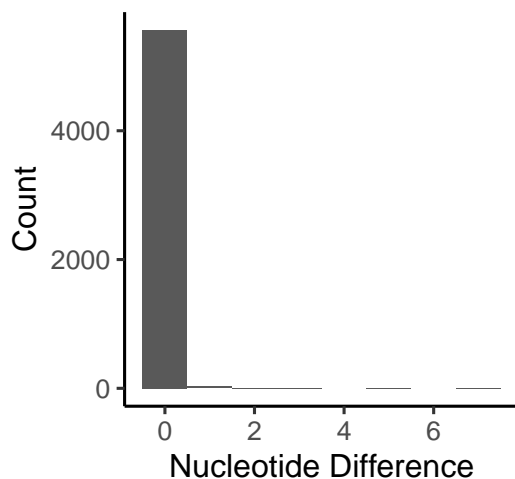
### TRBV9\*ap01

5023 sequences assigned  
4957 (98.7%) exact matches, in which:  
4920 unique CDR3  
13 unique J



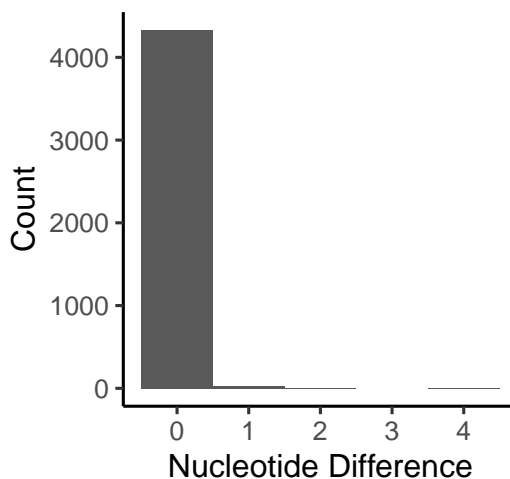
### TRBV19\*ap01

5601 sequences assigned  
5564 (99.3%) exact matches, in which:  
5539 unique CDR3  
13 unique J



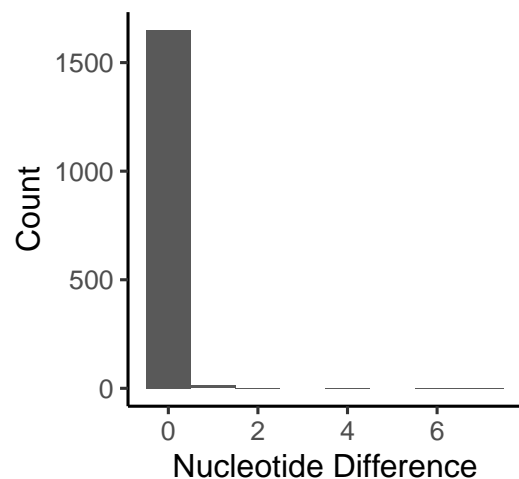
### TRBV28\*ap01

4360 sequences assigned  
4330 (99.3%) exact matches, in which:  
4296 unique CDR3  
13 unique J



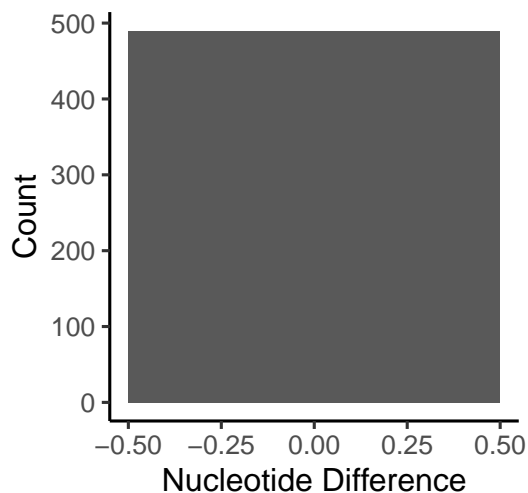
### TRBV21-1\*ap01

1667 sequences assigned  
1650 (99%) exact matches, in which:  
1646 unique CDR3  
13 unique J



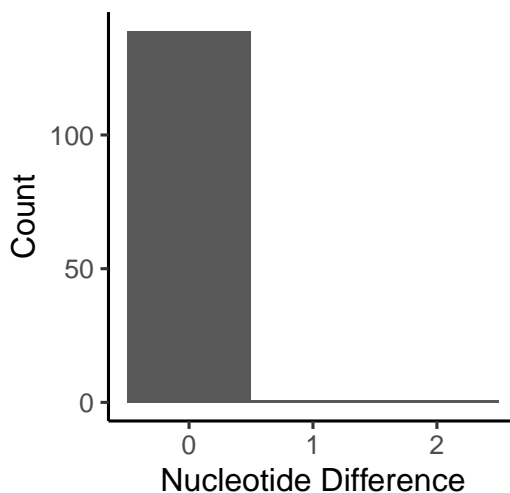
### TRBV11-1\*ap01

490 sequences assigned  
490 (100%) exact matches, in which:  
488 unique CDR3  
13 unique J



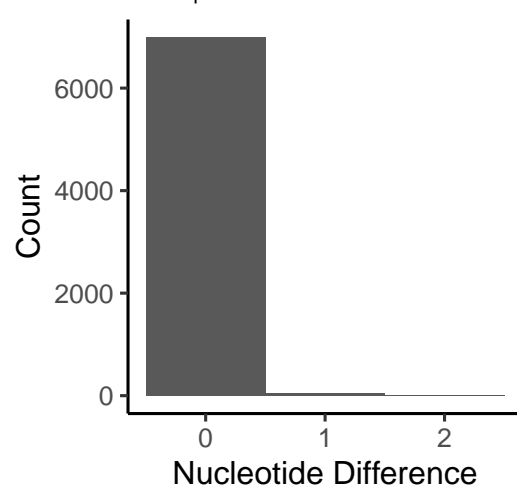
### TRBV12-1\*ap01

141 sequences assigned  
139 (98.6%) exact matches, in which:  
138 unique CDR3  
12 unique J



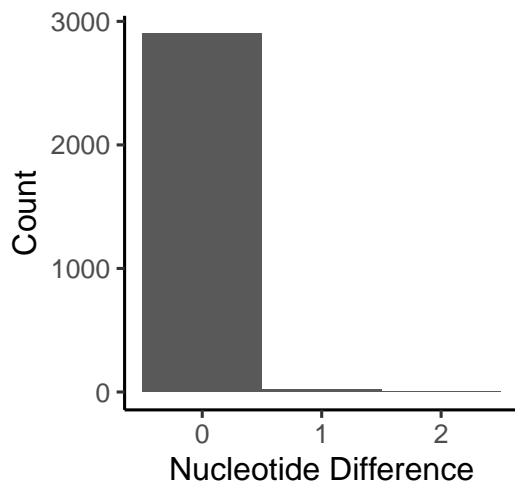
### TRBV12-34\*ap01

7043 sequences assigned  
6989 (99.2%) exact matches, in which:  
6935 unique CDR3  
13 unique J



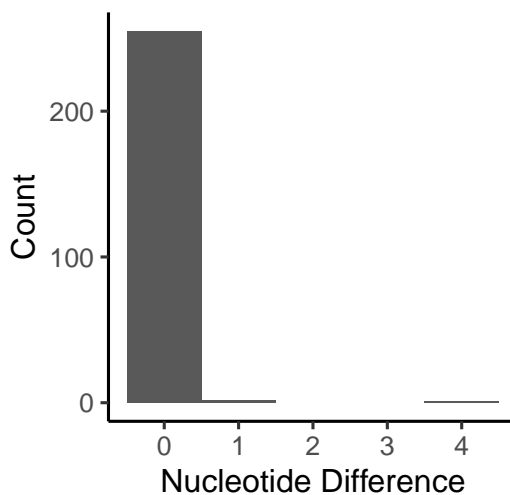
### TRBV11-2\*ap01

2919 sequences assigned  
2900 (99.3%) exact matches, in which:  
2869 unique CDR3  
13 unique J



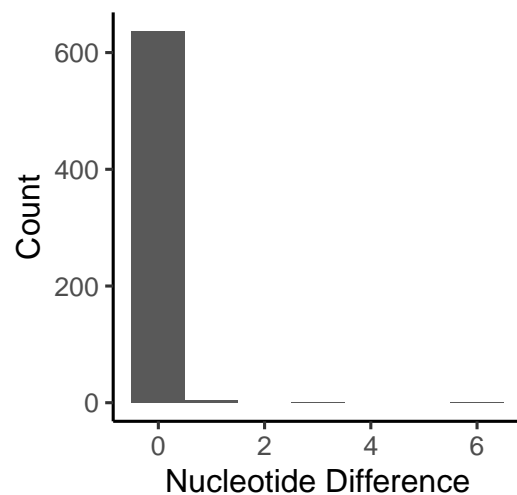
### TRBV12-2\*ap01

258 sequences assigned  
255 (98.8%) exact matches, in which:  
254 unique CDR3  
13 unique J



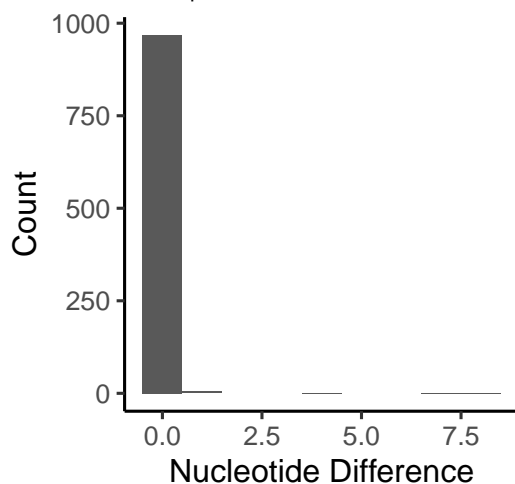
### TRBV23-1\*ap01

643 sequences assigned  
637 (99.1%) exact matches, in which:  
635 unique CDR3  
13 unique J



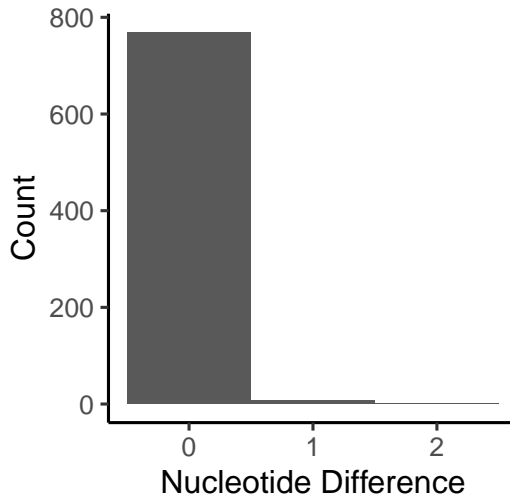
### TRBV11-3\*ap01

976 sequences assigned  
968 (99.2%) exact matches, in which:  
960 unique CDR3  
13 unique J



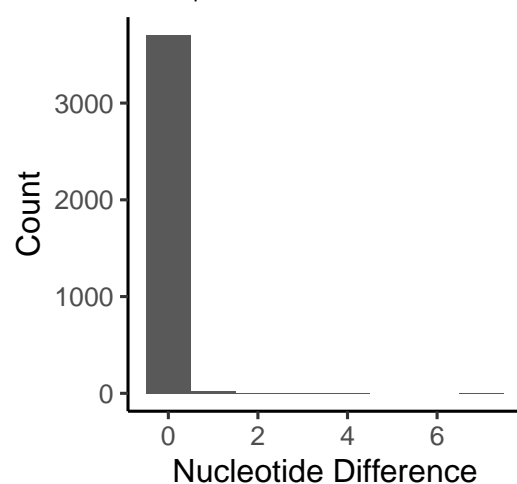
### TRBV12-5\*ap01

778 sequences assigned  
769 (98.8%) exact matches, in which:  
765 unique CDR3  
13 unique J



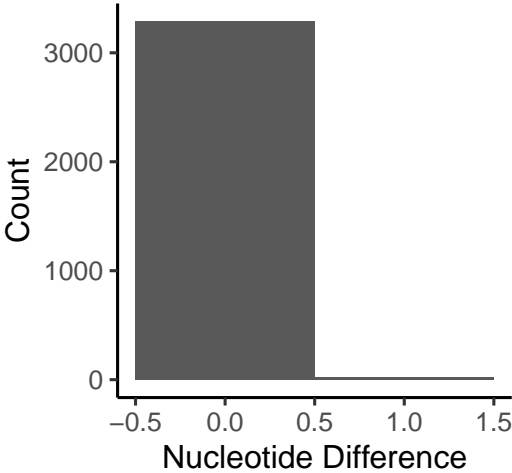
### TRBV3-12\*ap01

3733 sequences assigned  
3703 (99.2%) exact matches, in which:  
3689 unique CDR3  
13 unique J



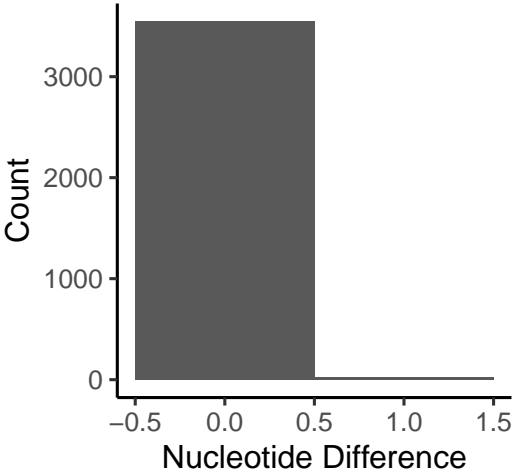
TRBV4-1\*ap01

3308 sequences assigned  
3288 (99.4%) exact matches, in which:  
3243 unique CDR3  
13 unique J



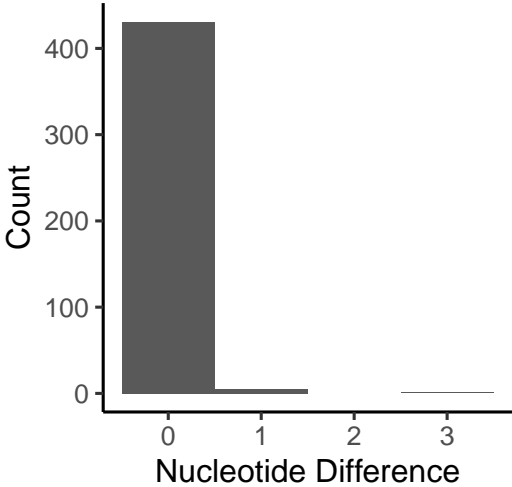
TRBV4-3\*ap01

3569 sequences assigned  
3547 (99.4%) exact matches, in which:  
3509 unique CDR3  
13 unique J



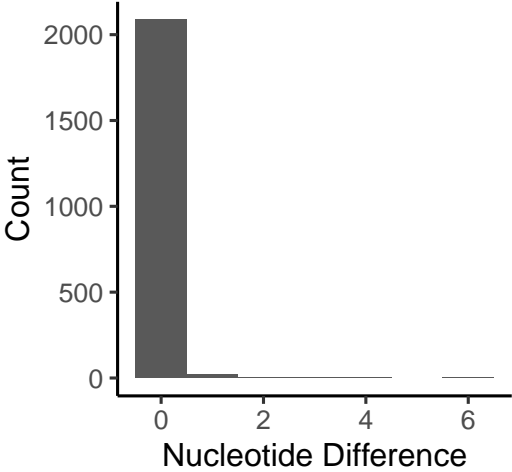
TRBV5-3\*ap01

437 sequences assigned  
431 (98.6%) exact matches, in which:  
429 unique CDR3  
13 unique J



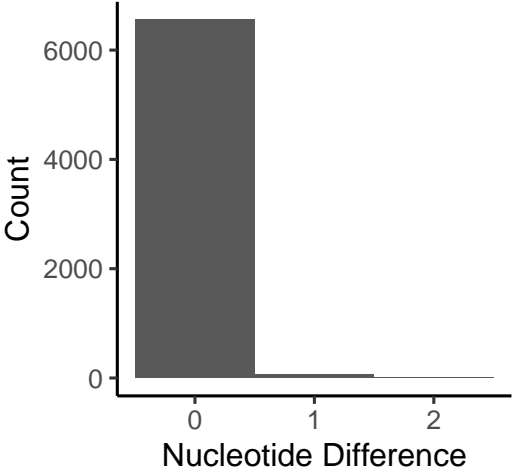
TRBV24-1\*ap01

2112 sequences assigned  
2087 (98.8%) exact matches, in which:  
2060 unique CDR3  
13 unique J



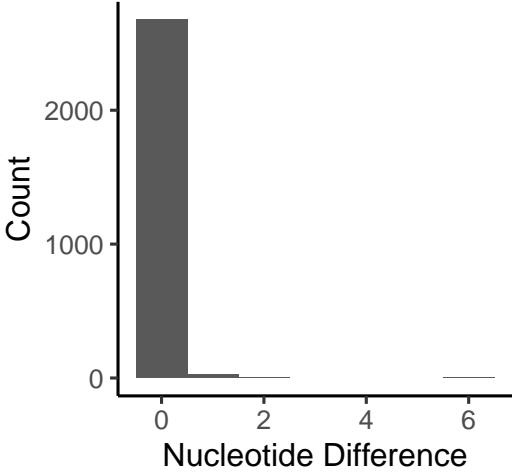
TRBV5-1\*ap01

6613 sequences assigned  
6556 (99.1%) exact matches, in which:  
6463 unique CDR3  
13 unique J



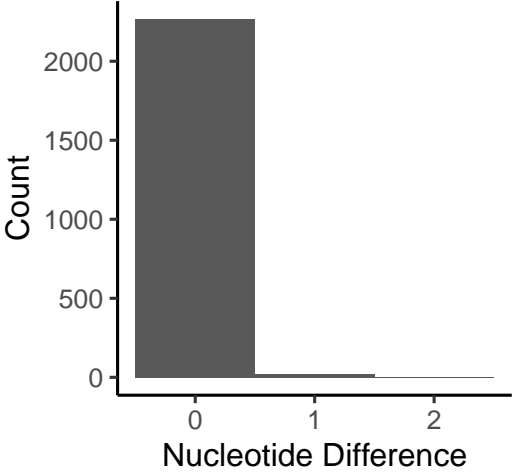
TRBV5-4\*ap01

2704 sequences assigned  
2676 (99%) exact matches, in which:  
2639 unique CDR3  
13 unique J



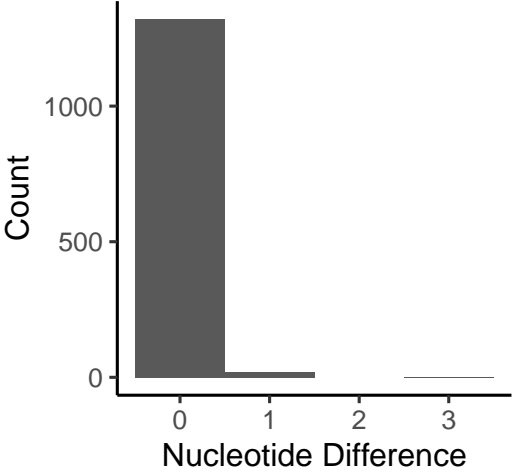
TRBV4-2\*ap01

2289 sequences assigned  
2267 (99%) exact matches, in which:  
2238 unique CDR3  
13 unique J



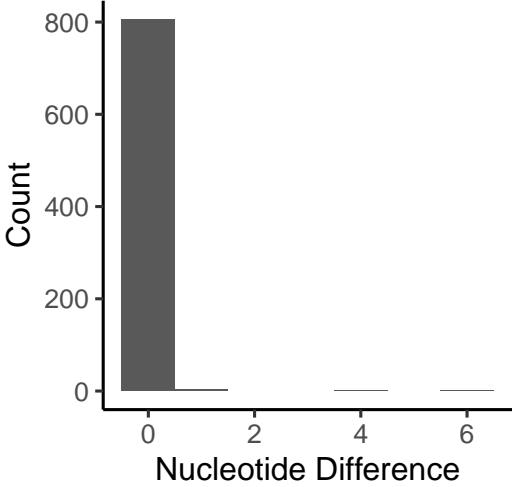
TRBV25-1\*ap01

1342 sequences assigned  
1321 (98.4%) exact matches, in which:  
1299 unique CDR3  
13 unique J



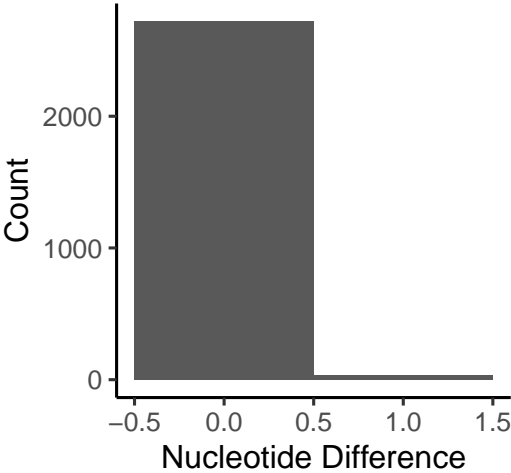
TRBV5-5\*ap01

812 sequences assigned  
806 (99.3%) exact matches, in which:  
802 unique CDR3  
13 unique J



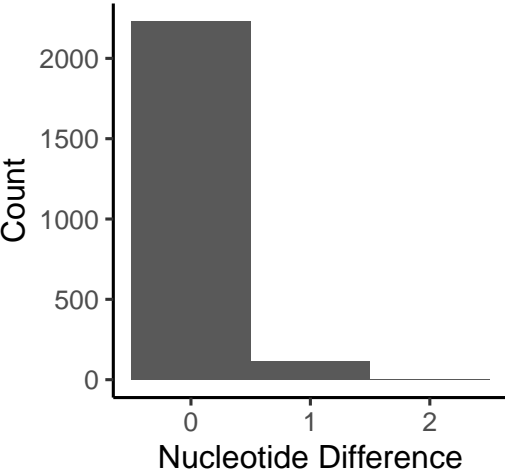
TRBV5-6\*ap01

2754 sequences assigned  
2720 (98.8%) exact matches, in which:  
2665 unique CDR3  
13 unique J



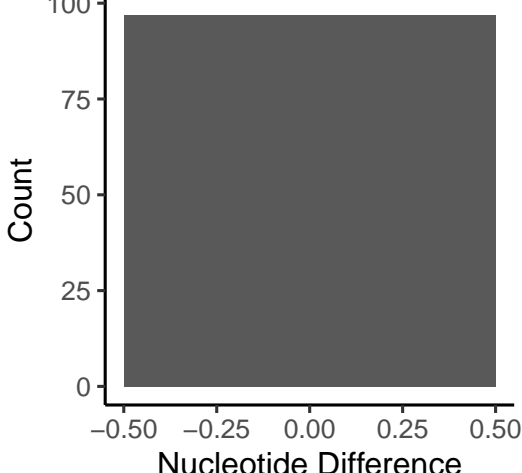
TRBV6-1\*ap01

2344 sequences assigned  
2230 (95.1%) exact matches, in which:  
2190 unique CDR3  
13 unique J



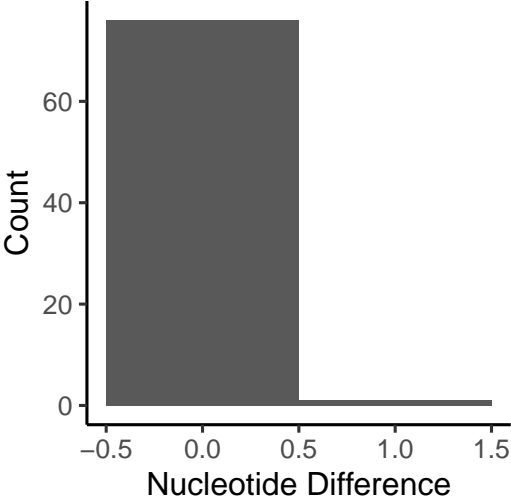
TRBV6-8\*ap01

97 sequences assigned  
97 (100%) exact matches, in which:  
97 unique CDR3  
13 unique J



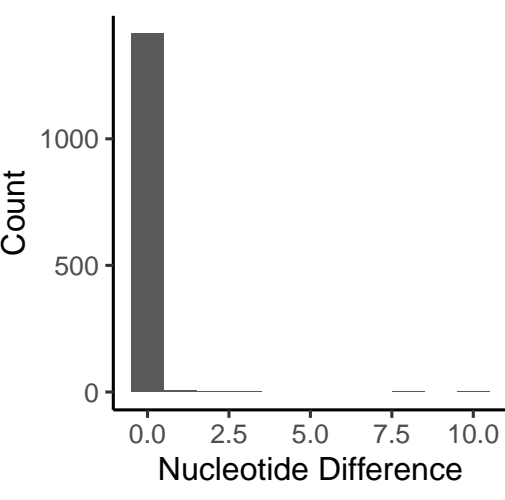
TRBV5-7\*ap01

77 sequences assigned  
76 (98.7%) exact matches, in which:  
76 unique CDR3  
13 unique J



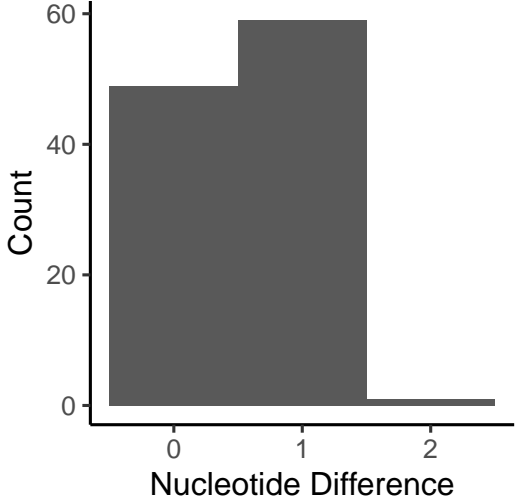
TRBV6-4\*ap01

1430 sequences assigned  
1415 (99%) exact matches, in which:  
1407 unique CDR3  
13 unique J



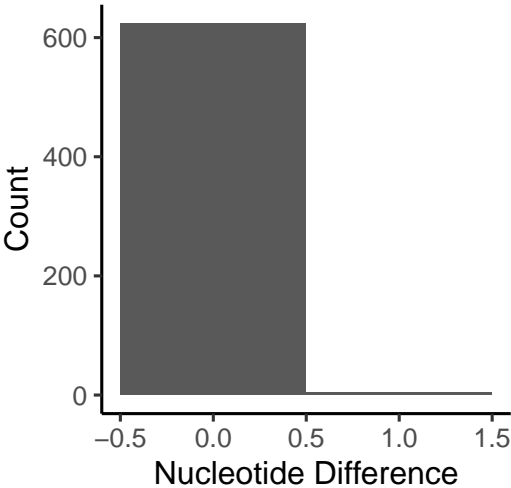
TRBV6-9\*ap01

109 sequences assigned  
49 (45%) exact matches, in which:  
48 unique CDR3  
12 unique J



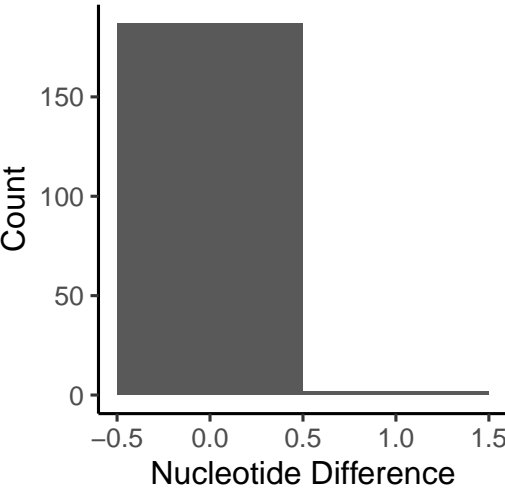
TRBV5-8\*ap01

628 sequences assigned  
624 (99.4%) exact matches, in which:  
620 unique CDR3  
13 unique J



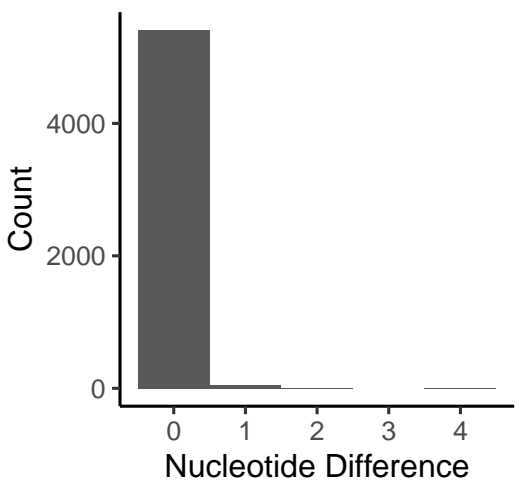
TRBV6-7\*ap01

189 sequences assigned  
187 (98.9%) exact matches, in which:  
182 unique CDR3  
13 unique J



TRBV6-23\*ap01

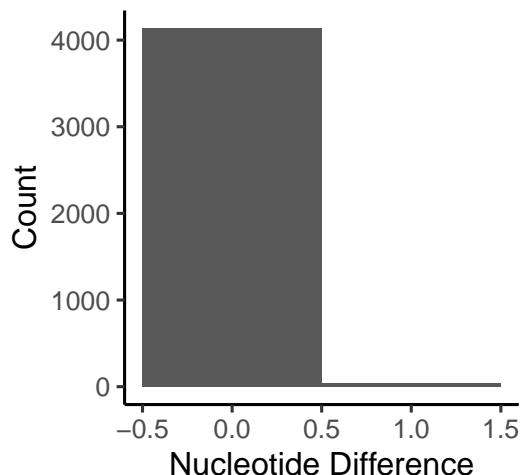
5466 sequences assigned  
5409 (99%) exact matches, in which:  
5288 unique CDR3  
13 unique J





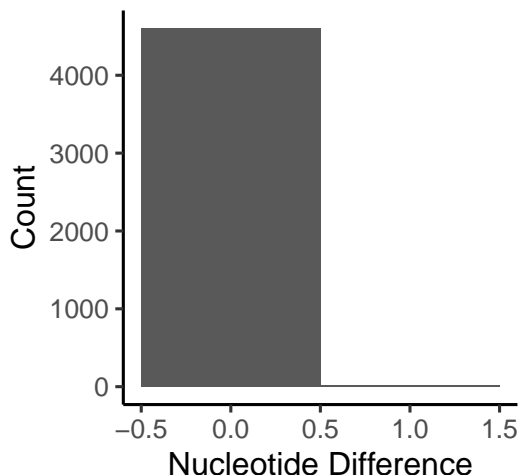
### TRBV6-56\*ap01

4177 sequences assigned  
4135 (99%) exact matches, in which:  
4083 unique CDR3  
13 unique J



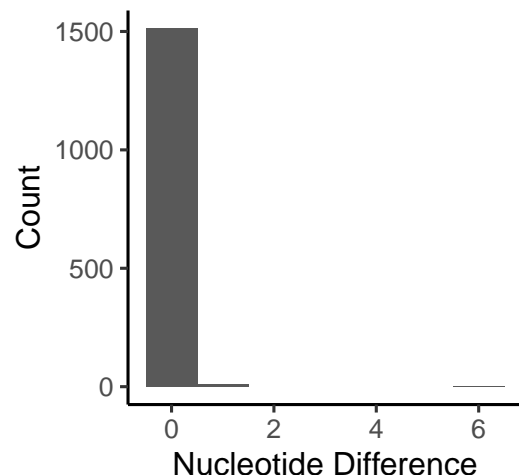
### TRBV7-2\*ap01

4623 sequences assigned  
4602 (99.5%) exact matches, in which:  
4563 unique CDR3  
13 unique J



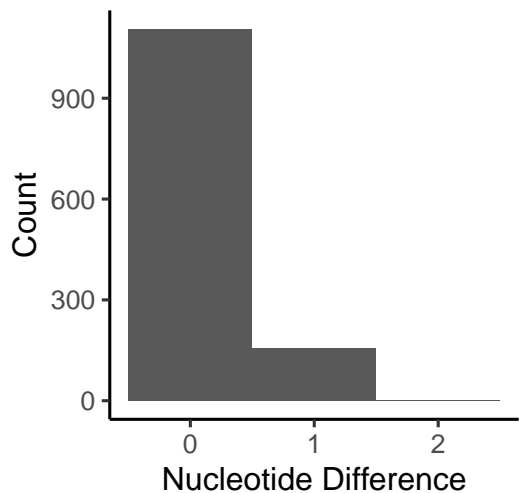
### TRBV7-6\*ap01

1525 sequences assigned  
1513 (99.2%) exact matches, in which:  
1502 unique CDR3  
13 unique J



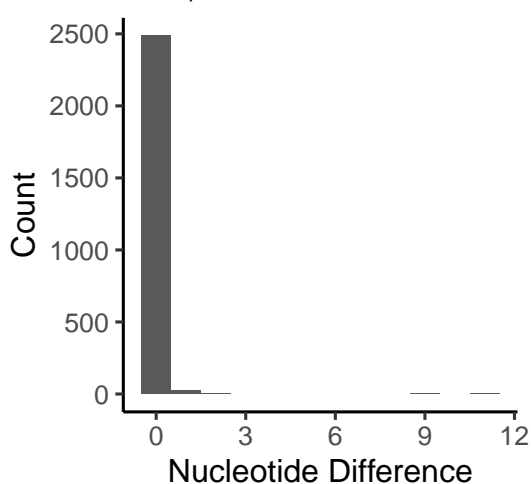
### TRBV6-56\*ap02

1263 sequences assigned  
1106 (87.6%) exact matches, in which:  
1084 unique CDR3  
13 unique J



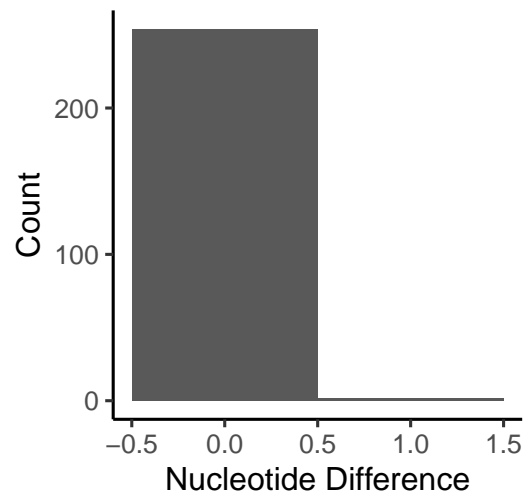
### TRBV7-3\*ap01

2515 sequences assigned  
2487 (98.9%) exact matches, in which:  
2472 unique CDR3  
13 unique J



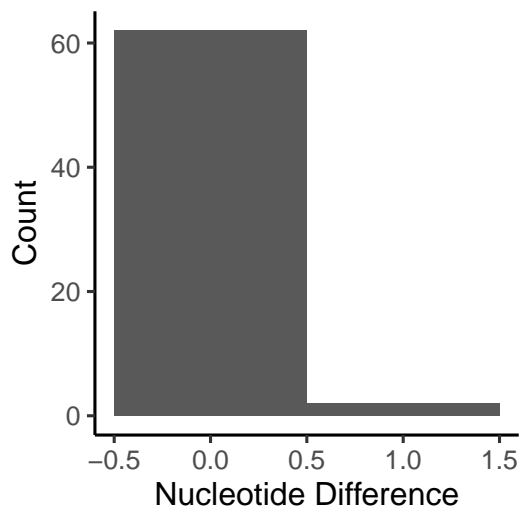
### TRBV7-7\*ap01

256 sequences assigned  
254 (99.2%) exact matches, in which:  
252 unique CDR3  
13 unique J



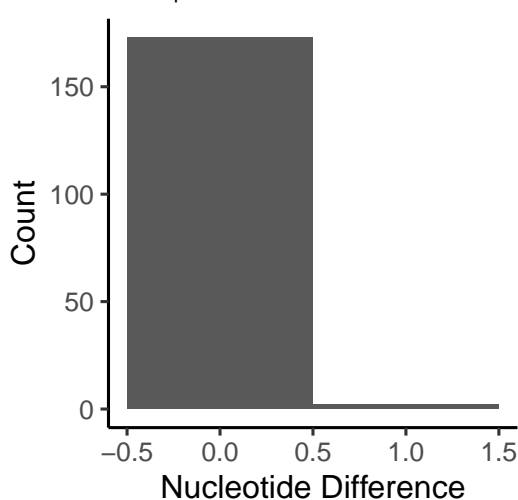
### TRBV7-1\*ap01\_G291C\_T

64 sequences assigned  
62 (96.9%) exact matches, in which:  
62 unique CDR3  
13 unique J



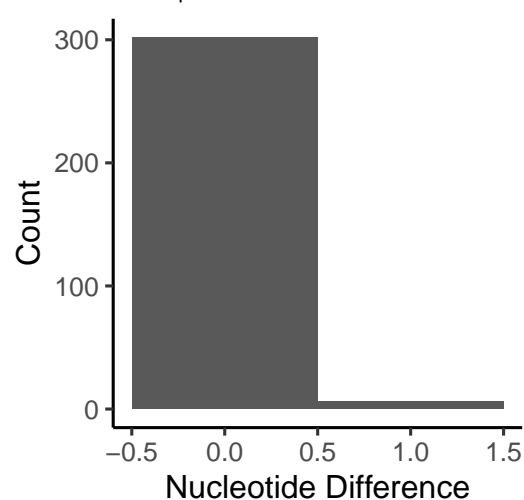
### TRBV7-4\*ap01

175 sequences assigned  
173 (98.9%) exact matches, in which:  
172 unique CDR3  
13 unique J



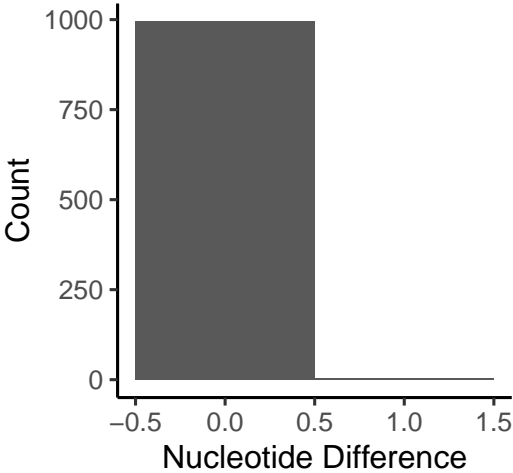
### TRBV7-7\*ap01\_C315T

308 sequences assigned  
302 (98.1%) exact matches, in which:  
298 unique CDR3  
13 unique J



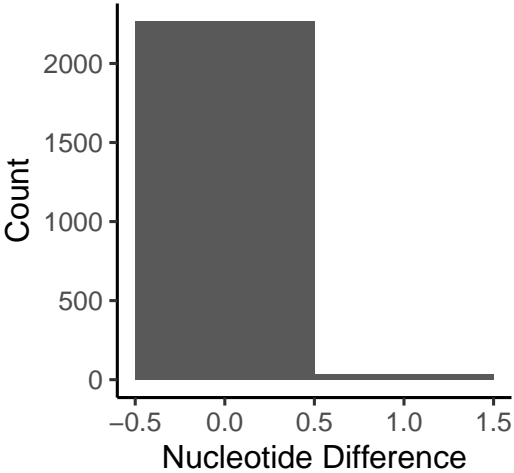
TRBV7-8\*ap01

998 sequences assigned  
995 (99.7%) exact matches, in which:  
991 unique CDR3  
13 unique J



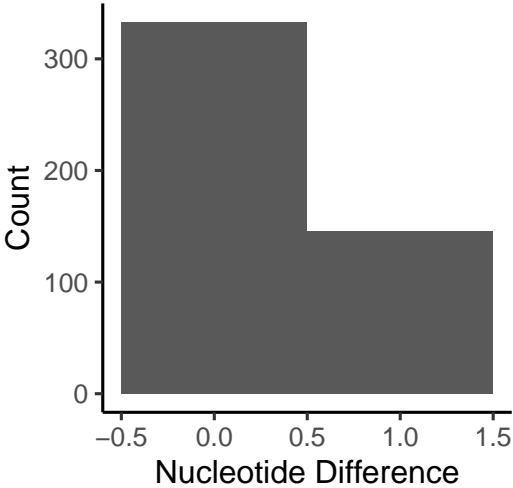
TRBV29-1\*ap01

2300 sequences assigned  
2266 (98.5%) exact matches, in which:  
2230 unique CDR3  
13 unique J



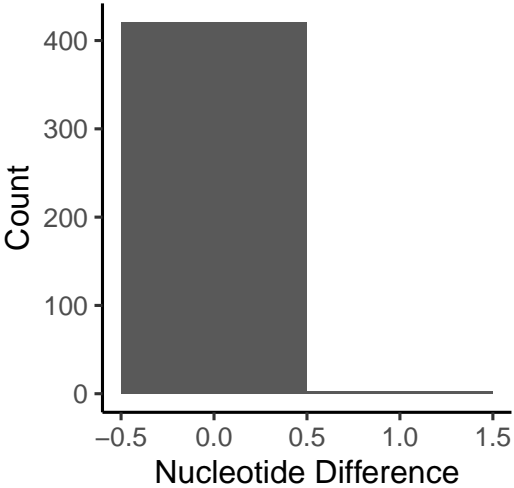
TRBV7-8\*ap03

479 sequences assigned  
333 (69.5%) exact matches, in which:  
330 unique CDR3  
13 unique J



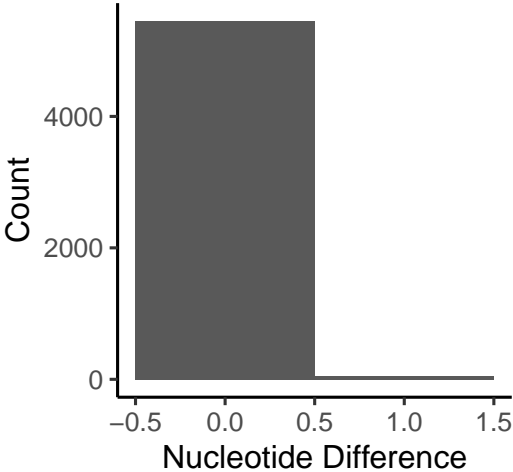
TRBV29-1\*ap02

424 sequences assigned  
421 (99.3%) exact matches, in which:  
414 unique CDR3  
13 unique J

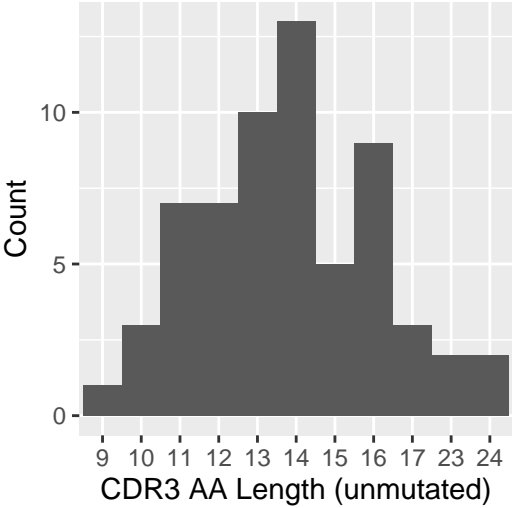


TRBV7-9\*ap01

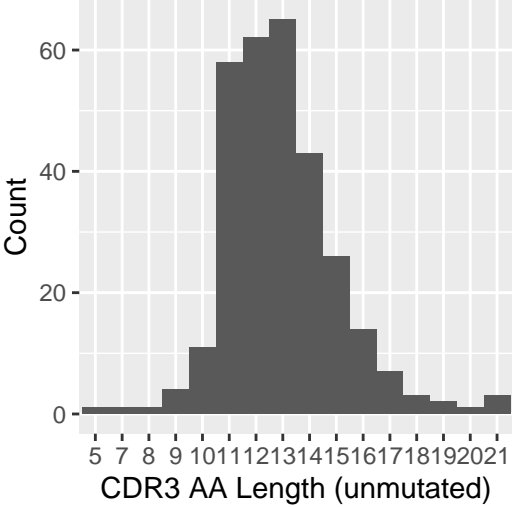
5499 sequences assigned  
5451 (99.1%) exact matches, in which:  
5398 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]