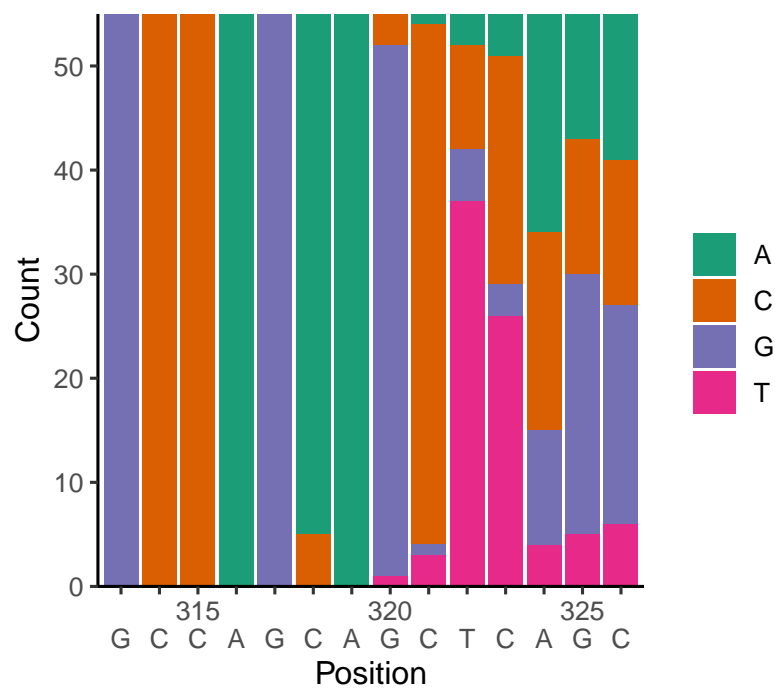
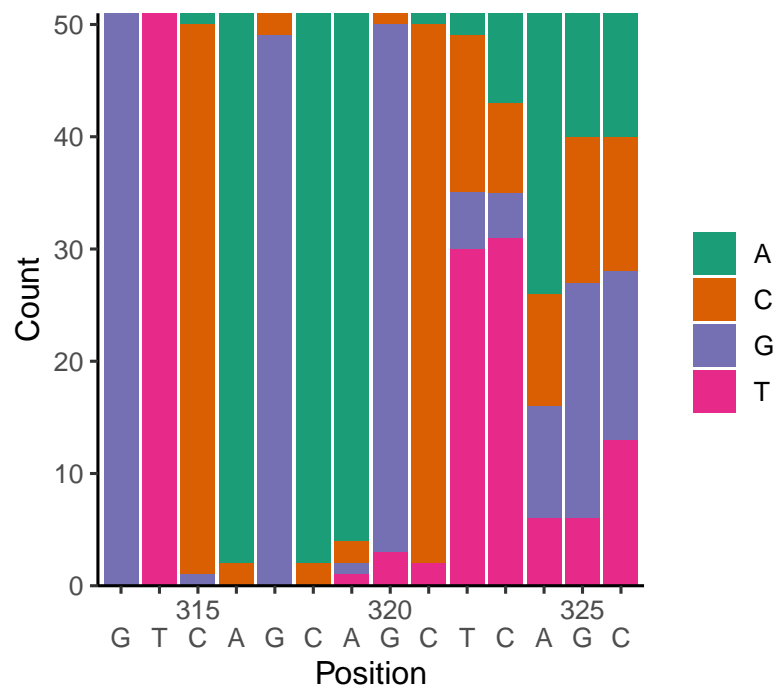


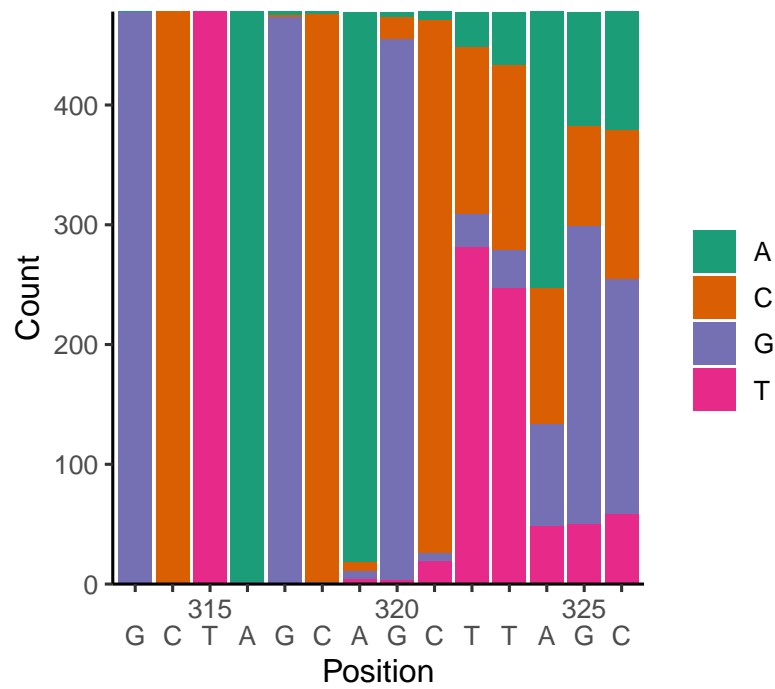
Gene TRBV7-1\*ap01\_G291C\_T296C



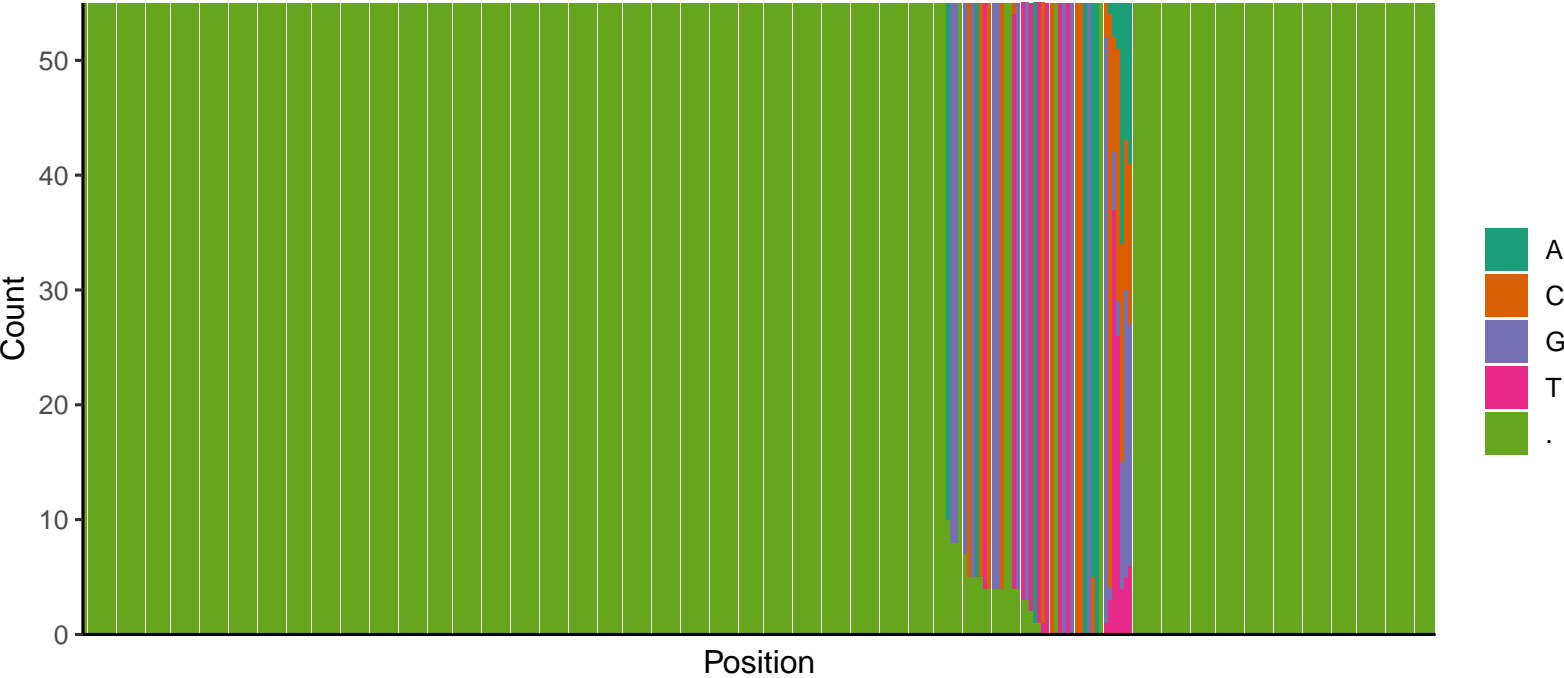
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-7\*ap01\_C315T



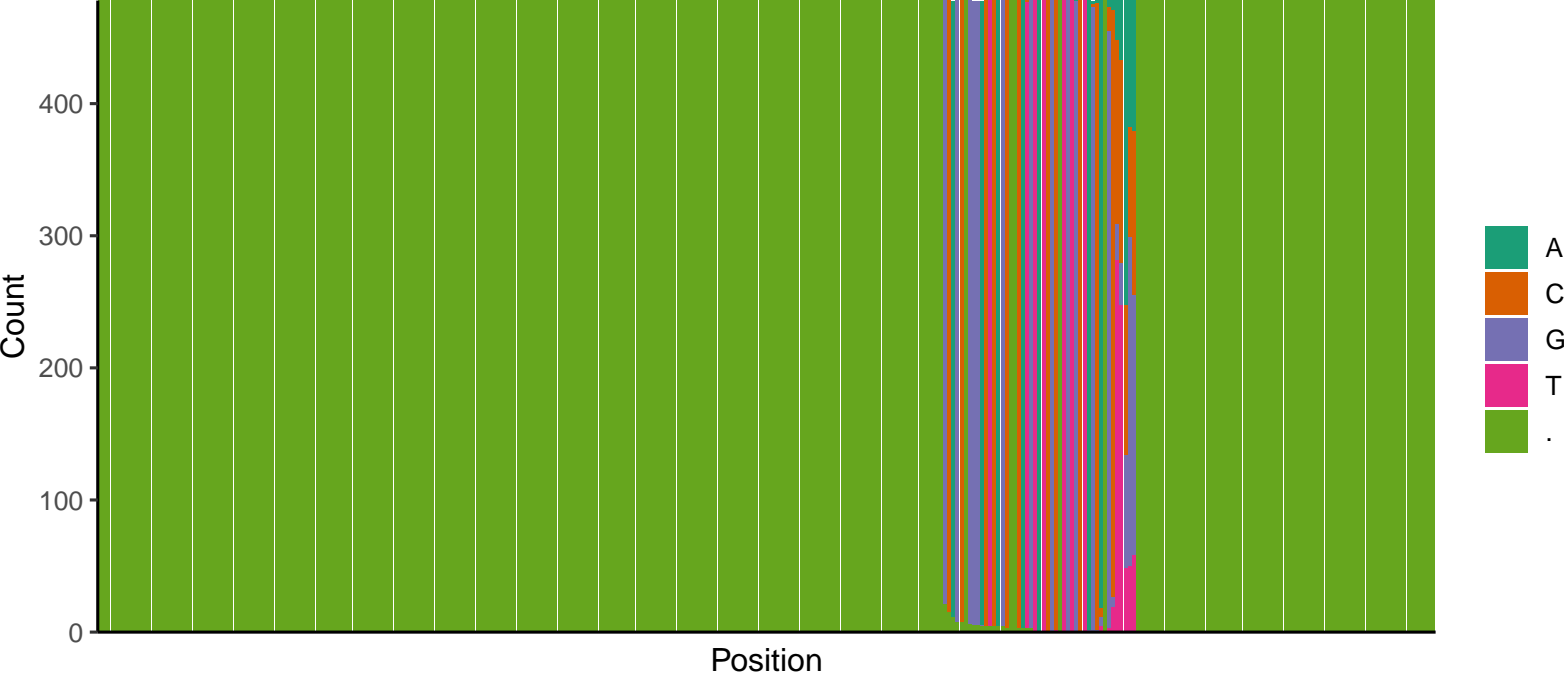
Gene TRBV7-1\*ap01\_G291C\_T296C



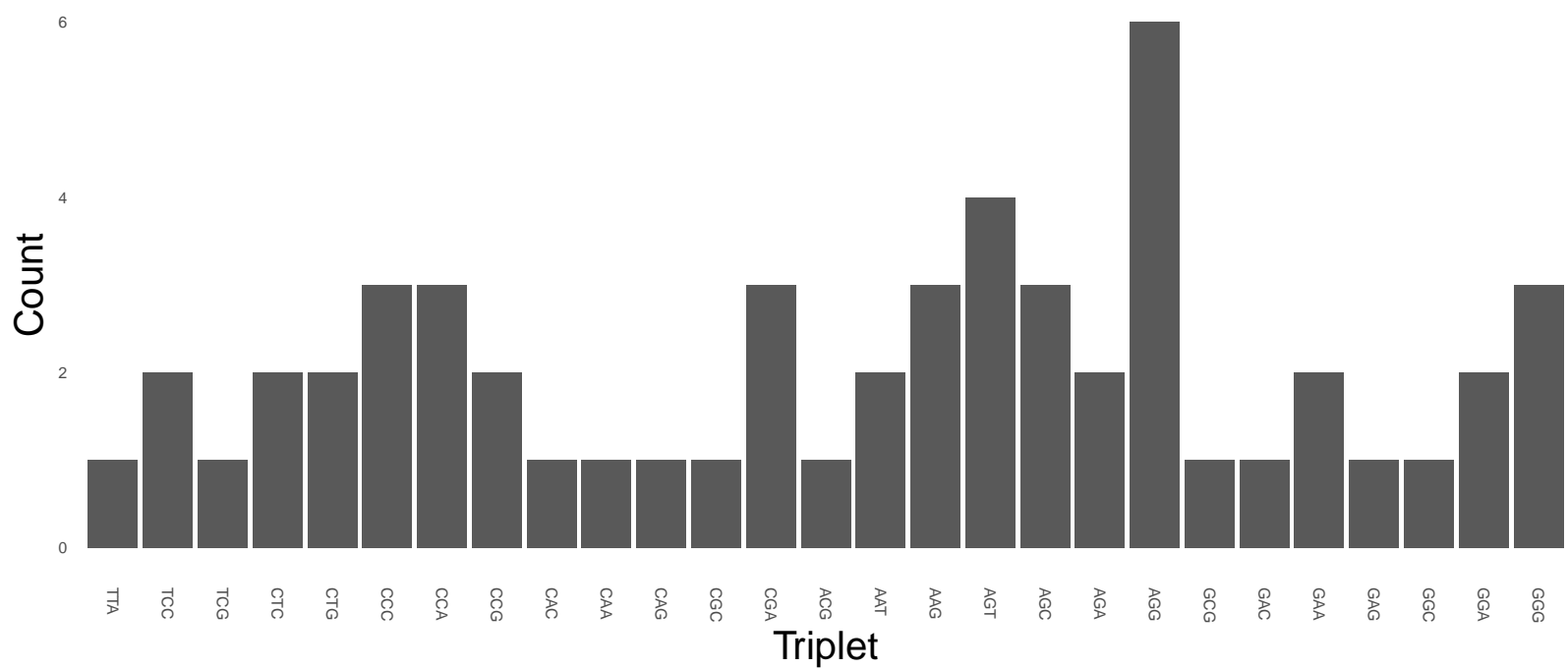
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



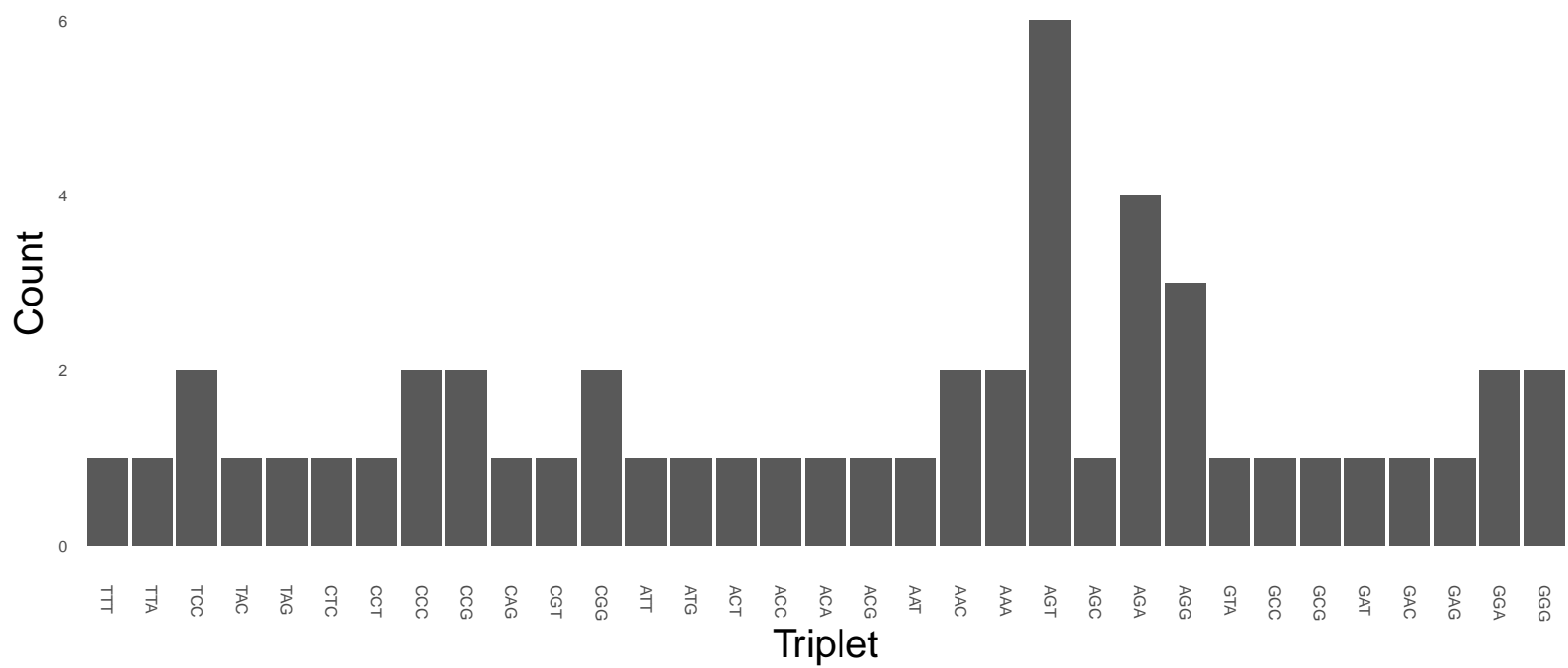
Gene TRBV7-7\*ap01\_C315T



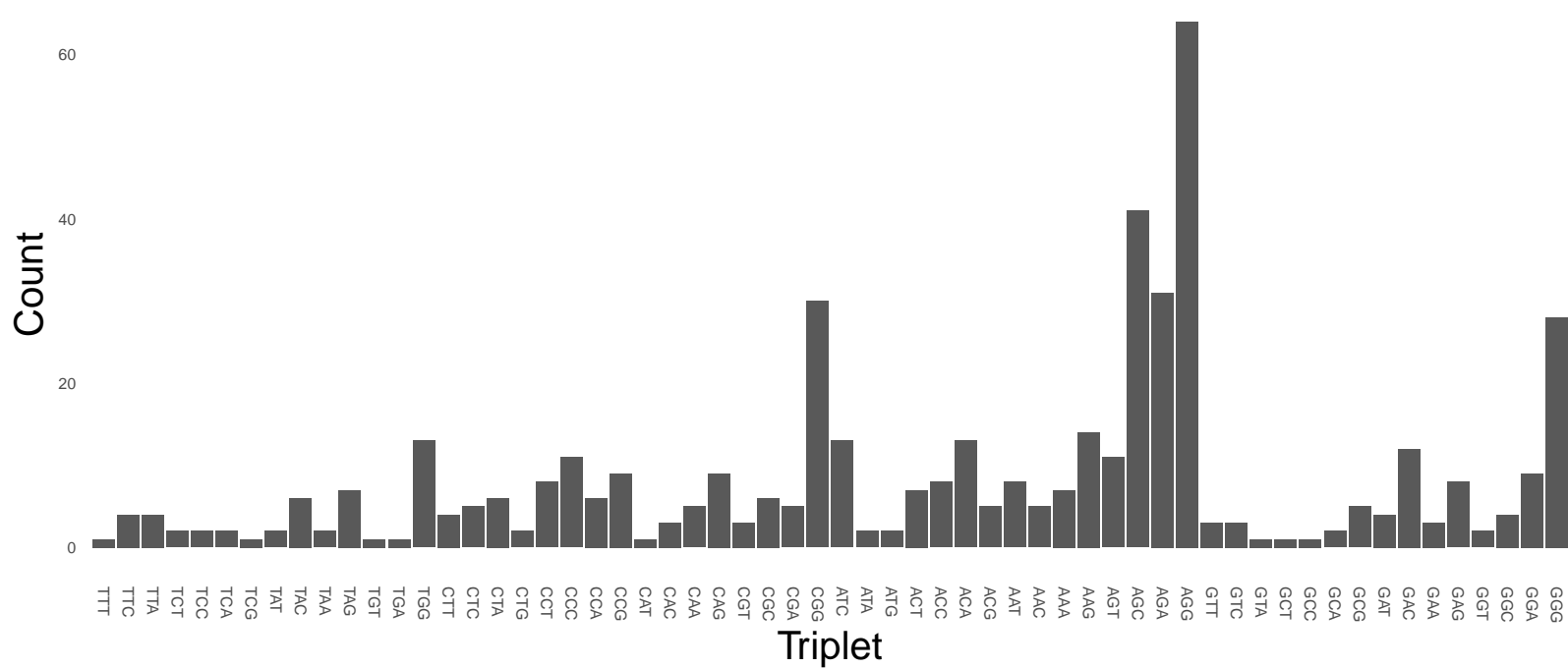
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

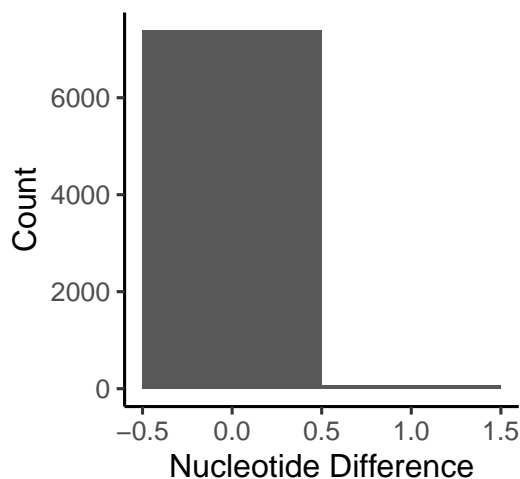


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



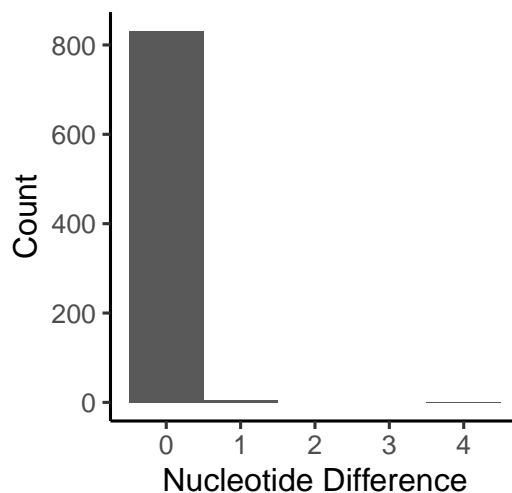
### TRBV20-1\*ap01

7468 sequences assigned  
7388 (98.9%) exact matches, in which:  
7253 unique CDR3  
13 unique J



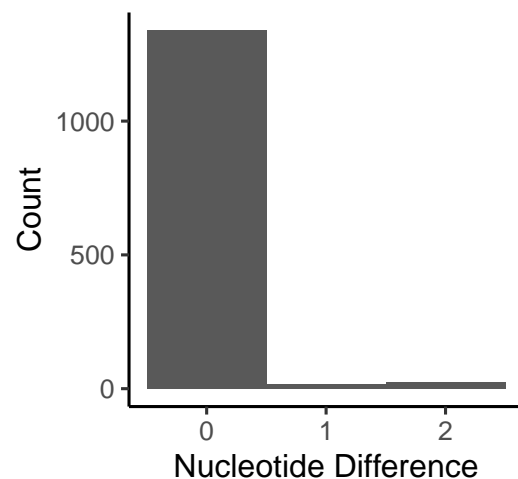
### TRBV10-2\*ap01

838 sequences assigned  
832 (99.3%) exact matches, in which:  
815 unique CDR3  
13 unique J



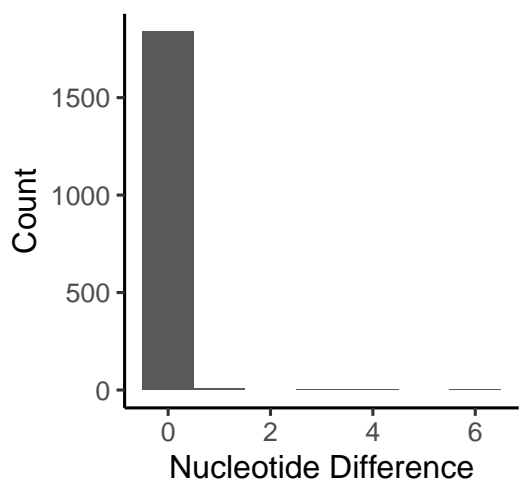
### TRBV13\*ap01

1382 sequences assigned  
1339 (96.9%) exact matches, in which:  
1295 unique CDR3  
13 unique J



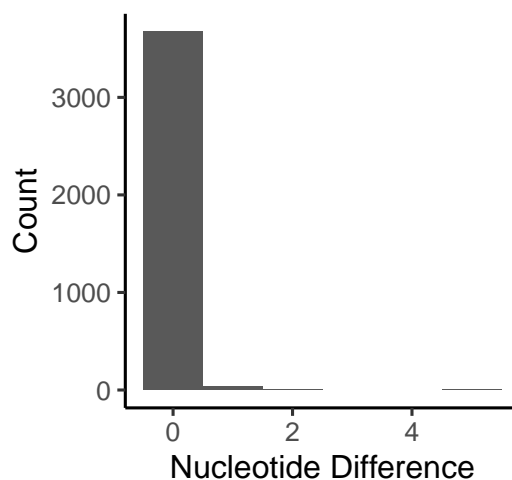
### TRBV10-1\*ap01

1848 sequences assigned  
1838 (99.5%) exact matches, in which:  
1792 unique CDR3  
13 unique J



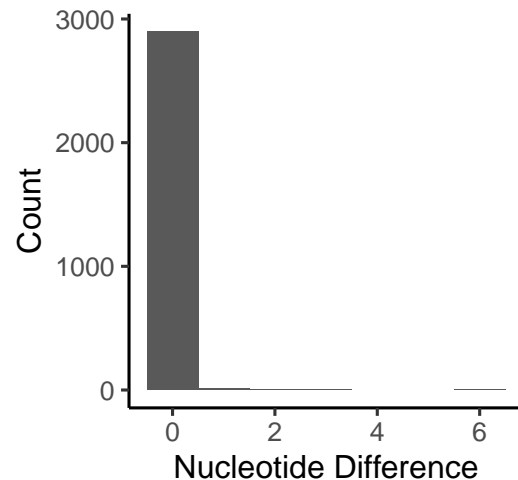
### TRBV10-3\*ap01

3712 sequences assigned  
3673 (98.9%) exact matches, in which:  
3581 unique CDR3  
13 unique J



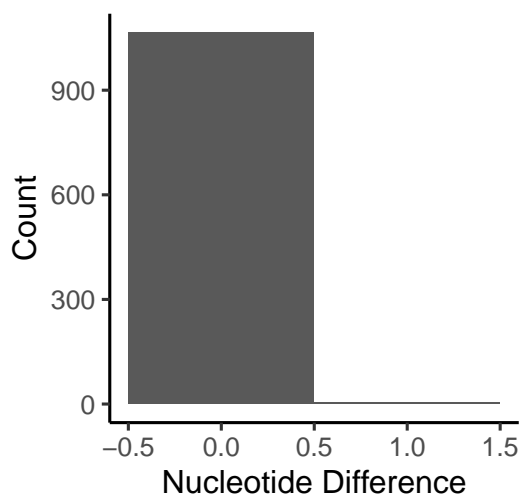
### TRBV14\*ap01

2916 sequences assigned  
2897 (99.3%) exact matches, in which:  
2839 unique CDR3  
13 unique J



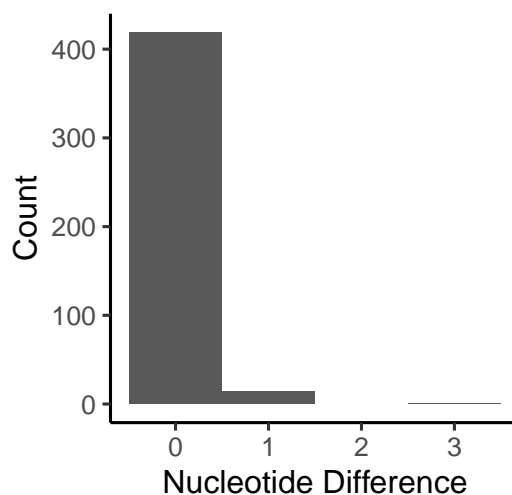
### TRBV20-1\*ap02

1071 sequences assigned  
1066 (99.5%) exact matches, in which:  
1046 unique CDR3  
13 unique J



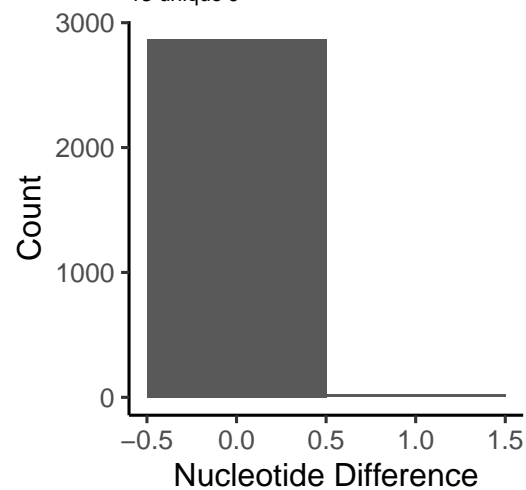
### TRBV1\*ap01

434 sequences assigned  
419 (96.5%) exact matches, in which:  
408 unique CDR3  
13 unique J



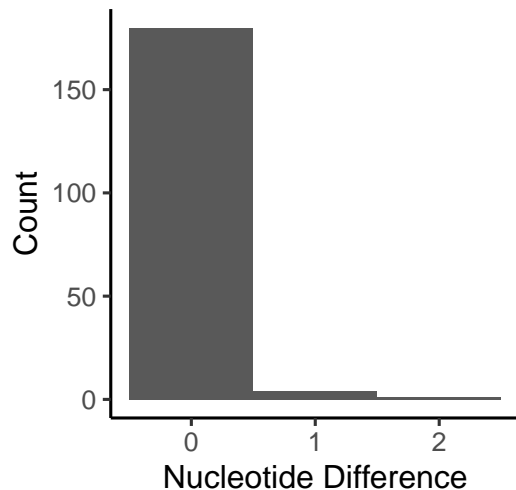
### TRBV15\*ap02

2892 sequences assigned  
2869 (99.2%) exact matches, in which:  
2800 unique CDR3  
13 unique J



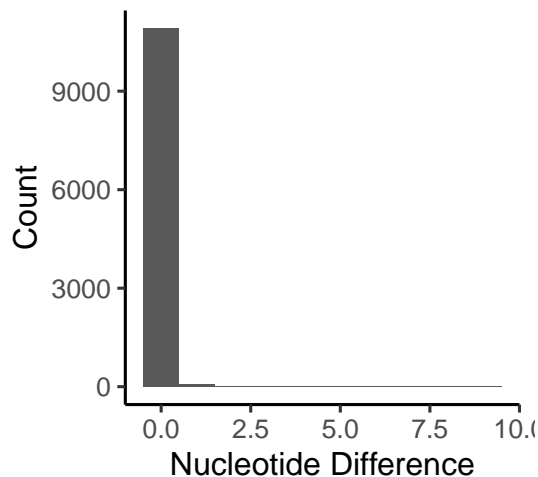
### TRBV16\*ap01

185 sequences assigned  
180 (97.3%) exact matches, in which:  
179 unique CDR3  
13 unique J



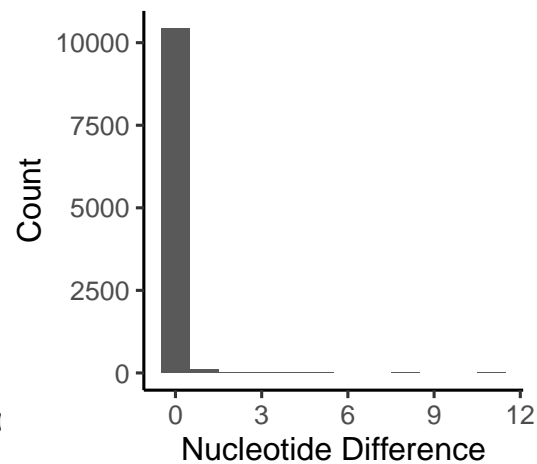
### TRBV19\*ap01

11018 sequences assigned  
10911 (99%) exact matches, in which:  
10781 unique CDR3  
13 unique J



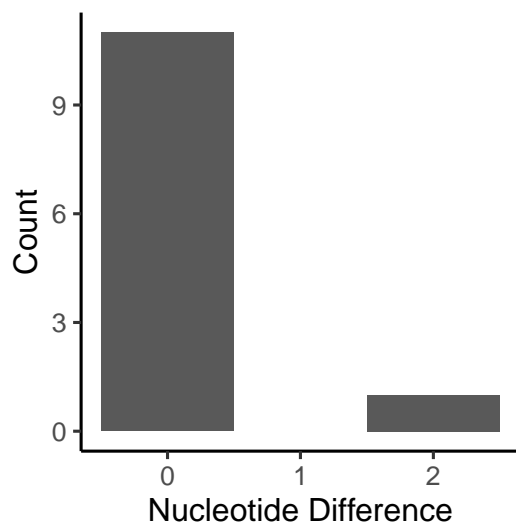
### TRBV27\*ap01

10561 sequences assigned  
10440 (98.9%) exact matches, in which:  
10205 unique CDR3  
13 unique J



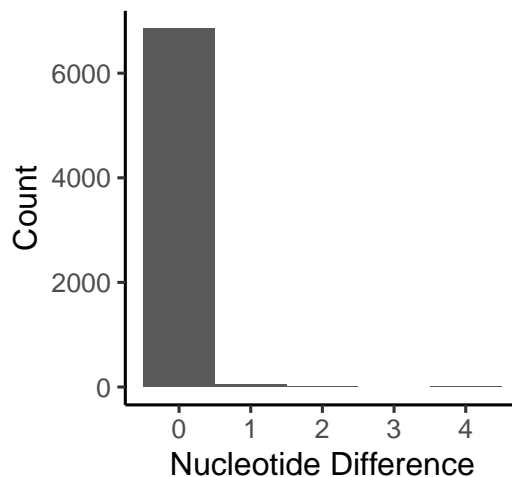
### TRBV17\*ap01

12 sequences assigned  
11 (91.7%) exact matches, in which:  
11 unique CDR3  
7 unique J



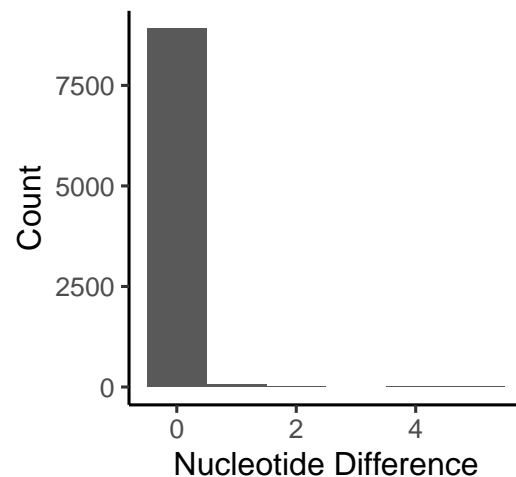
### TRBV2\*ap01

6911 sequences assigned  
6850 (99.1%) exact matches, in which:  
6705 unique CDR3  
13 unique J



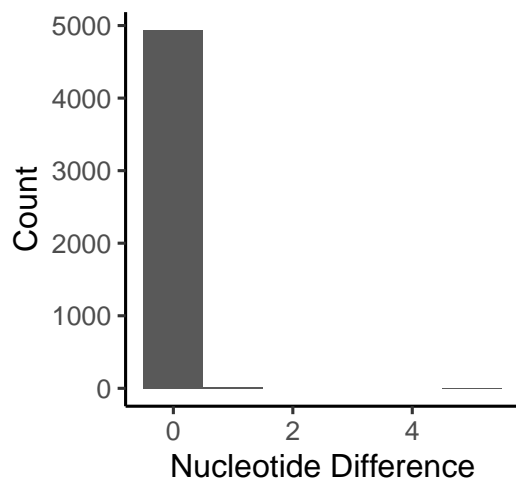
### TRBV28\*ap01

8974 sequences assigned  
8909 (99.3%) exact matches, in which:  
8721 unique CDR3  
13 unique J



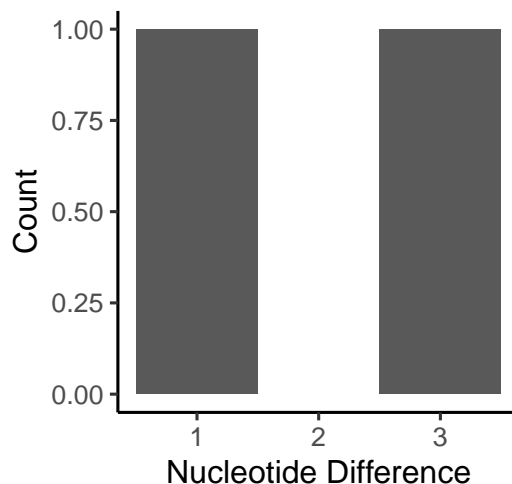
### TRBV18\*ap01

4956 sequences assigned  
4938 (99.6%) exact matches, in which:  
4877 unique CDR3  
13 unique J



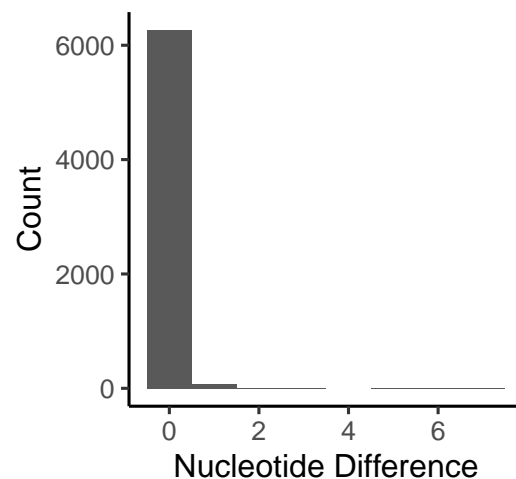
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



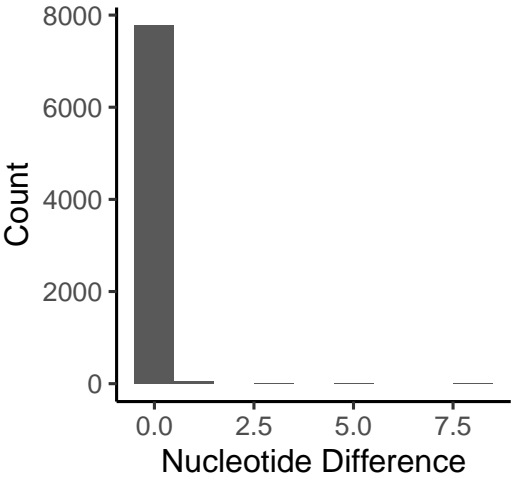
### TRBV30\*ap01

6354 sequences assigned  
6266 (98.6%) exact matches, in which:  
6104 unique CDR3  
13 unique J



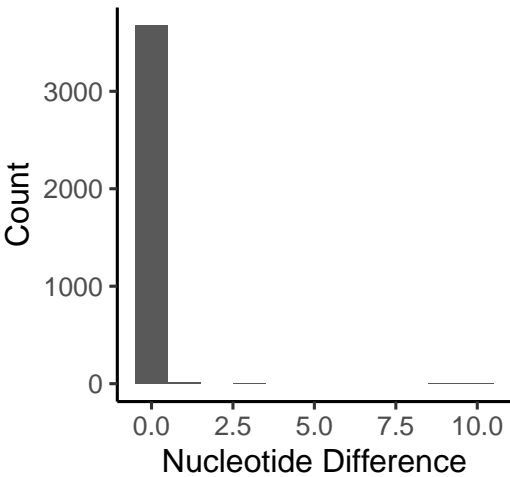
TRBV9\*ap01

7828 sequences assigned  
7776 (99.3%) exact matches, in which:  
7655 unique CDR3  
14 unique J



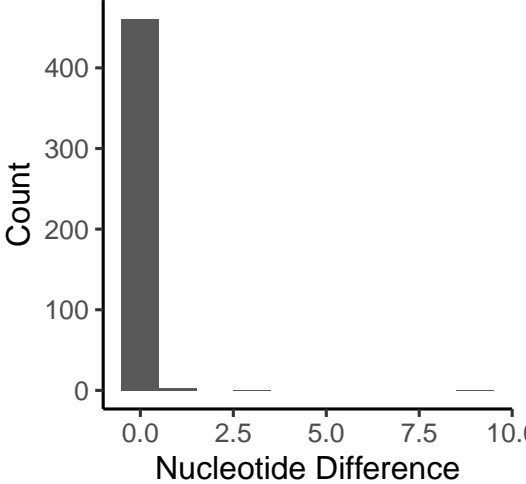
TRBV11-2\*ap01

3696 sequences assigned  
3676 (99.5%) exact matches, in which:  
3627 unique CDR3  
13 unique J



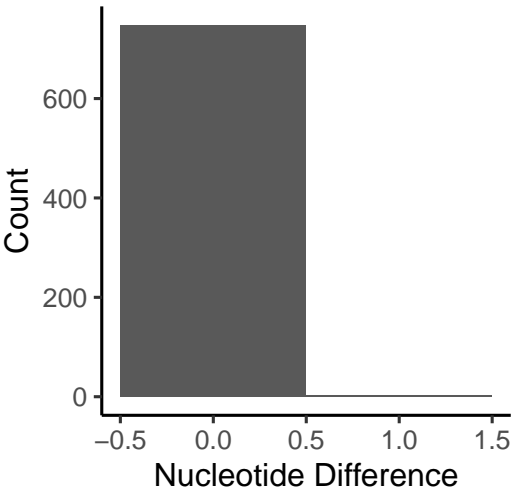
TRBV12-2\*ap01

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



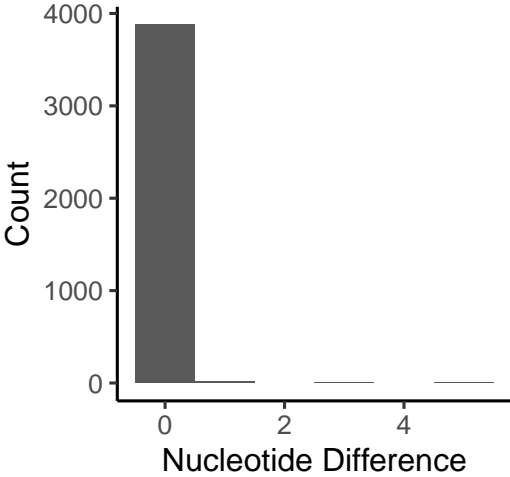
TRBV11-1\*ap01

751 sequences assigned  
748 (99.6%) exact matches, in which:  
733 unique CDR3  
13 unique J



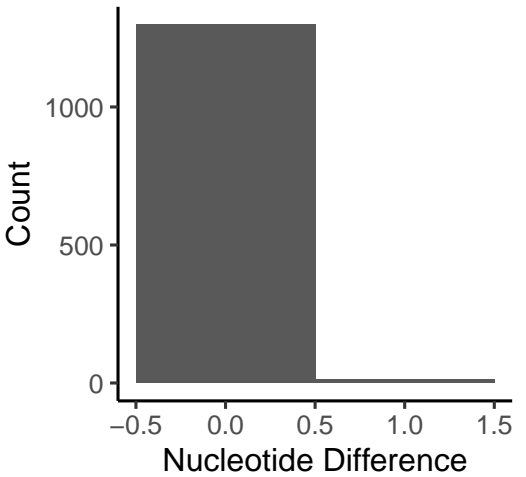
TRBV11-3\*ap01

3898 sequences assigned  
3878 (99.5%) exact matches, in which:  
3837 unique CDR3  
13 unique J



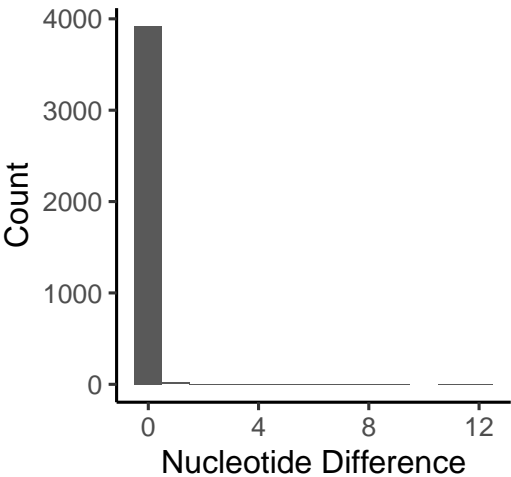
TRBV12-5\*ap01

1311 sequences assigned  
1298 (99%) exact matches, in which:  
1275 unique CDR3  
13 unique J



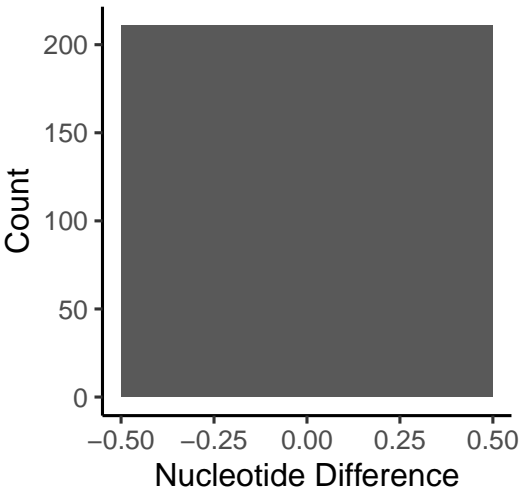
TRBV21-1\*ap01

3964 sequences assigned  
3921 (98.9%) exact matches, in which:  
3873 unique CDR3  
13 unique J



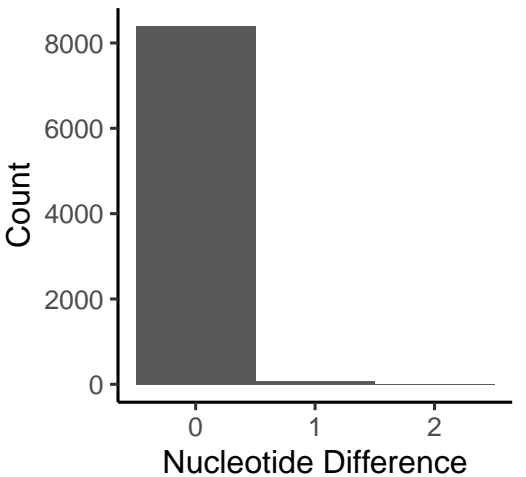
TRBV12-1\*ap01

211 sequences assigned  
211 (100%) exact matches, in which:  
205 unique CDR3  
13 unique J



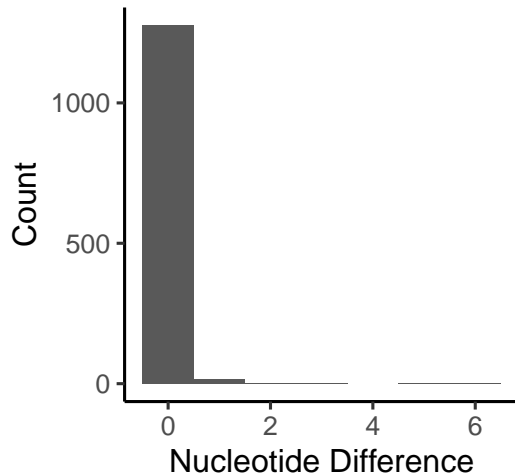
TRBV12-34\*ap01

8484 sequences assigned  
8397 (99%) exact matches, in which:  
8233 unique CDR3  
13 unique J



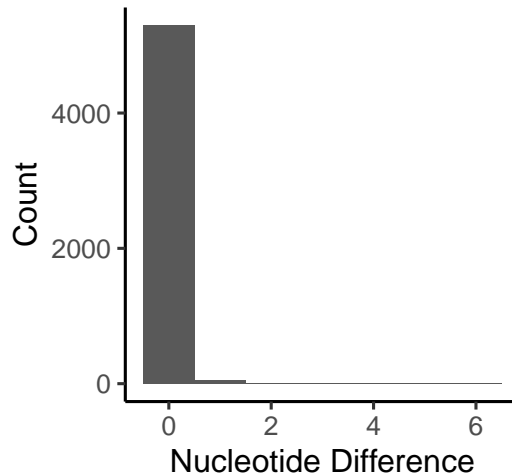
### TRBV23-1\*ap01

1296 sequences assigned  
1276 (98.5%) exact matches, in which:  
1256 unique CDR3  
13 unique J



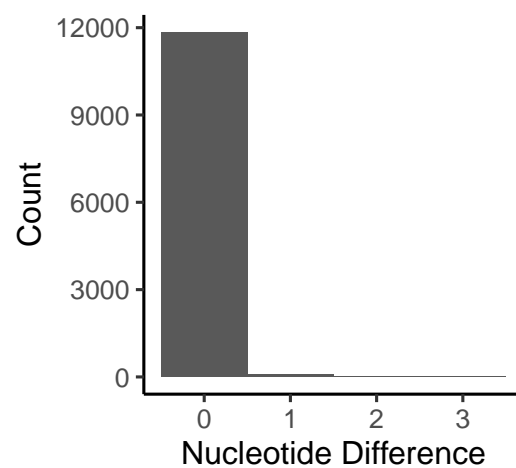
### TRBV24-1\*ap01

5361 sequences assigned  
5295 (98.8%) exact matches, in which:  
5172 unique CDR3  
13 unique J



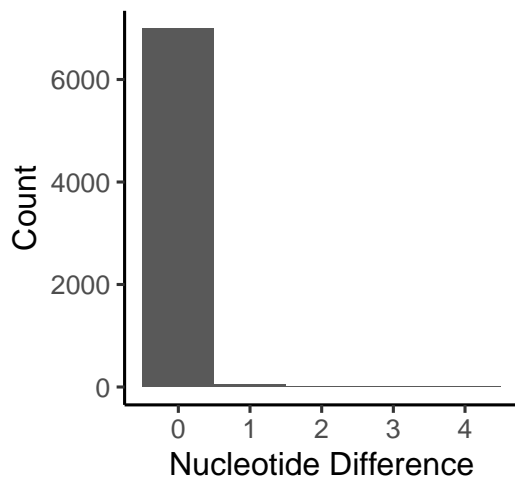
### TRBV5-1\*ap01

11954 sequences assigned  
11846 (99.1%) exact matches, in which:  
11529 unique CDR3  
13 unique J



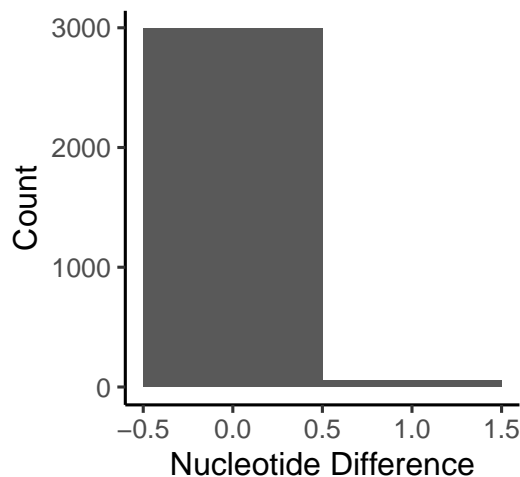
### TRBV3-12\*ap01

7052 sequences assigned  
6991 (99.1%) exact matches, in which:  
6892 unique CDR3  
13 unique J



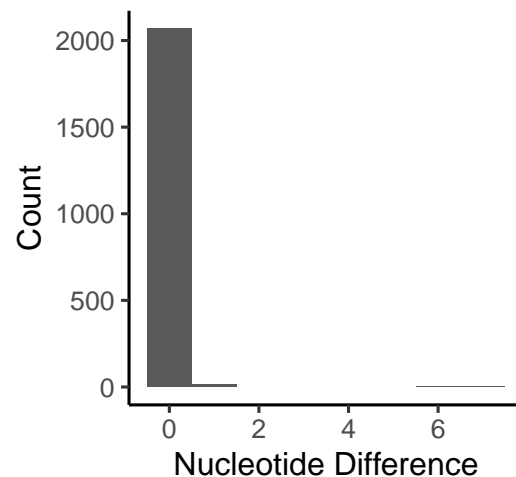
### TRBV4-2\*ap01

3049 sequences assigned  
2992 (98.1%) exact matches, in which:  
2907 unique CDR3  
13 unique J



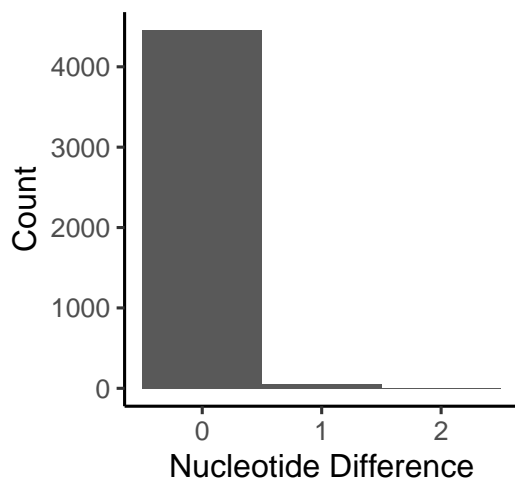
### TRBV25-1\*ap01

2087 sequences assigned  
2068 (99.1%) exact matches, in which:  
2011 unique CDR3  
13 unique J



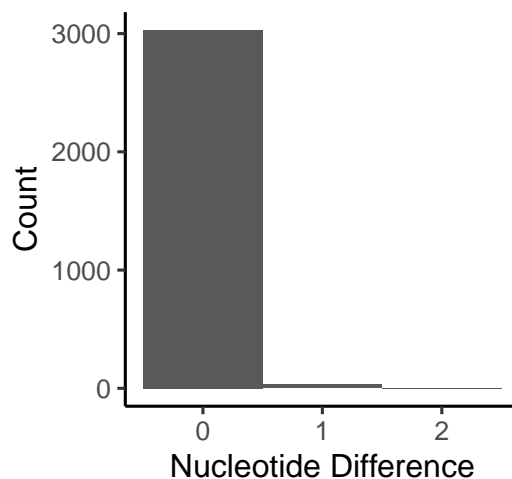
### TRBV4-1\*ap01

4515 sequences assigned  
4457 (98.7%) exact matches, in which:  
4306 unique CDR3  
13 unique J



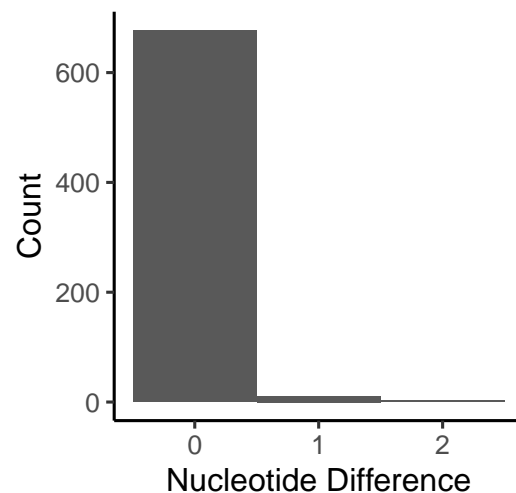
### TRBV4-3\*ap01

3064 sequences assigned  
3030 (98.9%) exact matches, in which:  
2954 unique CDR3  
13 unique J



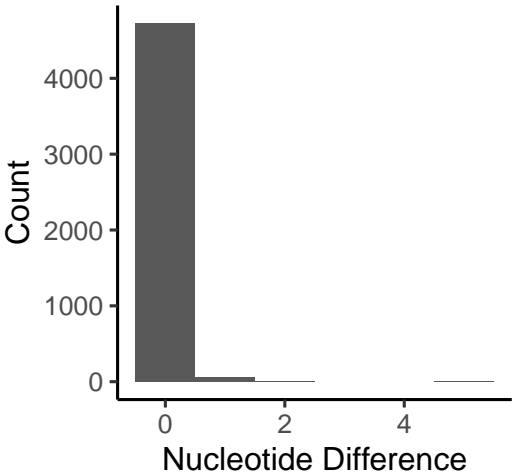
### TRBV5-3\*ap01

691 sequences assigned  
677 (98%) exact matches, in which:  
664 unique CDR3  
13 unique J



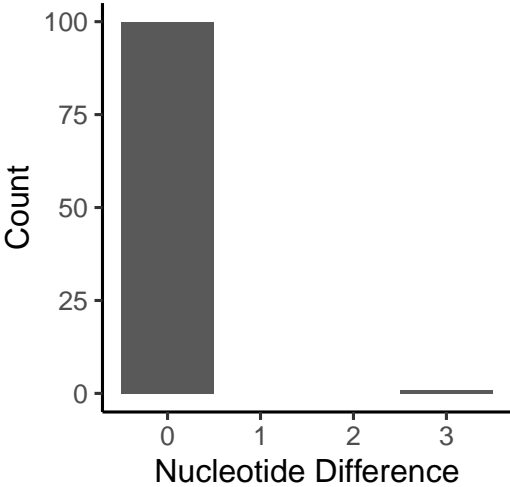
TRBV5-4\*ap01

4791 sequences assigned  
4724 (98.6%) exact matches, in which:  
4601 unique CDR3  
13 unique J



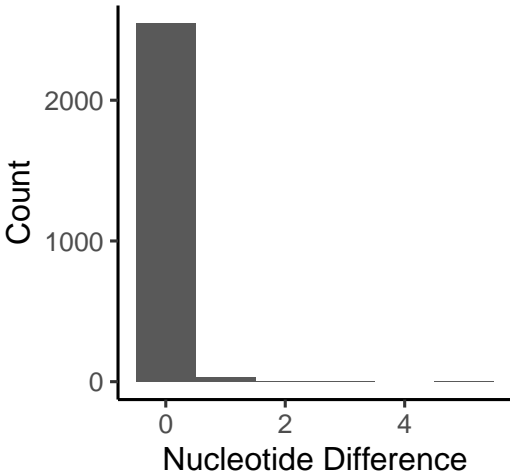
TRBV5-7\*ap01

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



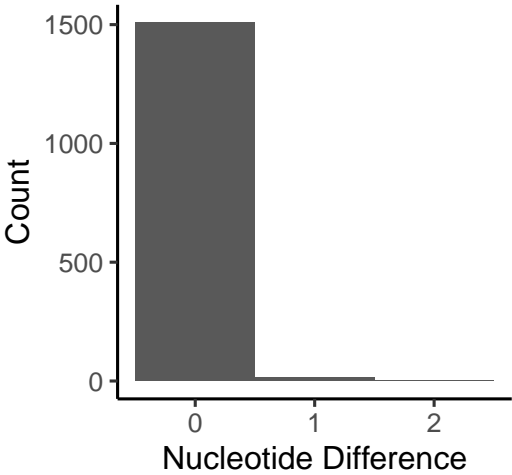
TRBV6-4\*ap01

2584 sequences assigned  
2546 (98.5%) exact matches, in which:  
2503 unique CDR3  
13 unique J



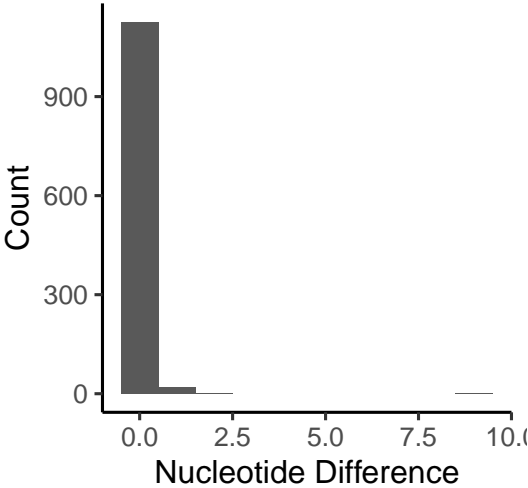
TRBV5-5\*ap01

1522 sequences assigned  
1508 (99.1%) exact matches, in which:  
1498 unique CDR3  
13 unique J



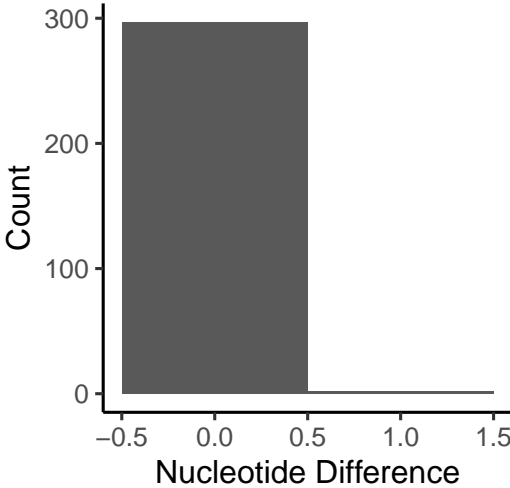
TRBV5-8\*ap01

1148 sequences assigned  
1126 (98.1%) exact matches, in which:  
1104 unique CDR3  
13 unique J



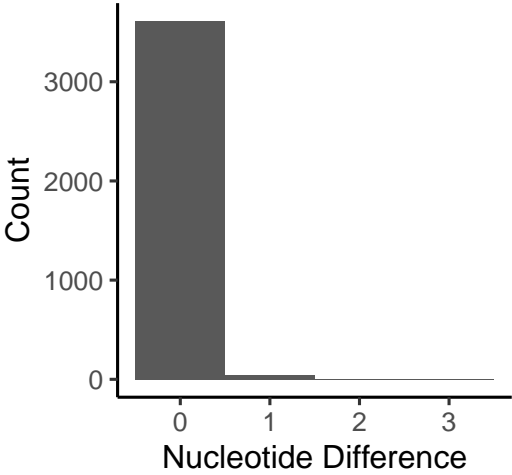
TRBV6-7\*ap01

299 sequences assigned  
297 (99.3%) exact matches, in which:  
283 unique CDR3  
13 unique J



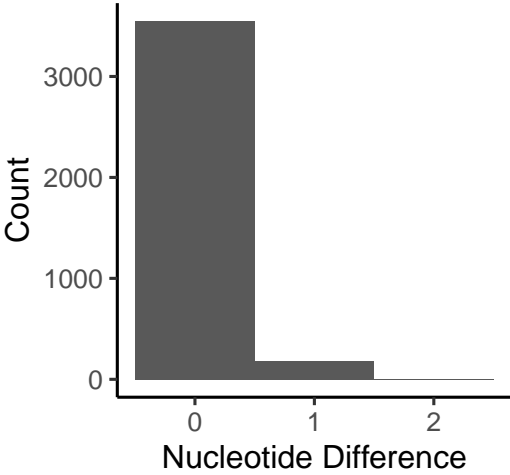
TRBV5-6\*ap01

3658 sequences assigned  
3612 (98.7%) exact matches, in which:  
3460 unique CDR3  
13 unique J



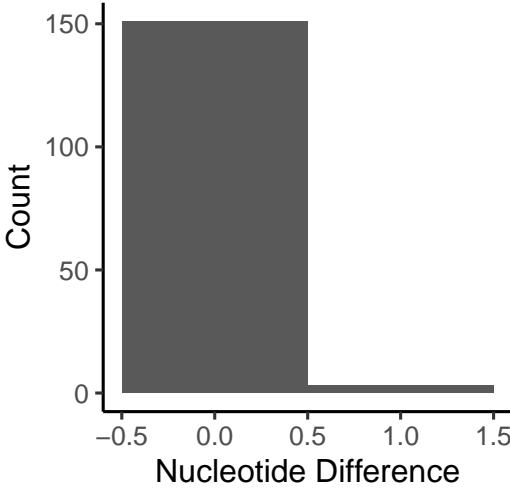
TRBV6-1\*ap01

3732 sequences assigned  
3549 (95.1%) exact matches, in which:  
3447 unique CDR3  
13 unique J



TRBV6-8\*ap01

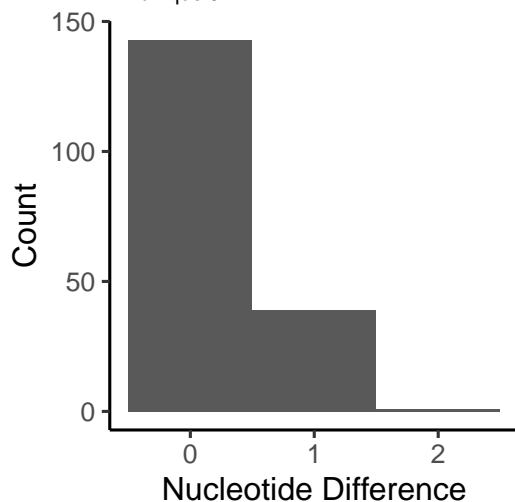
154 sequences assigned  
151 (98.1%) exact matches, in which:  
147 unique CDR3  
13 unique J





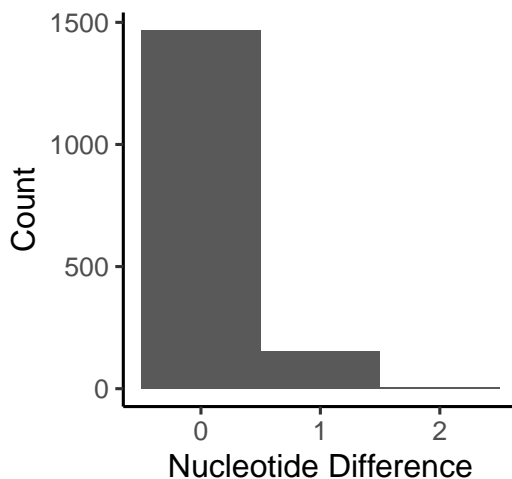
### TRBV6-9\*ap01

183 sequences assigned  
143 (78.1%) exact matches, in which:  
135 unique CDR3  
12 unique J



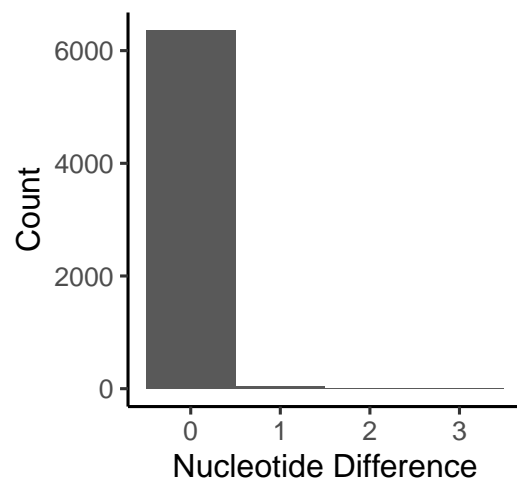
### TRBV6-56\*ap02

1626 sequences assigned  
1467 (90.2%) exact matches, in which:  
1422 unique CDR3  
13 unique J



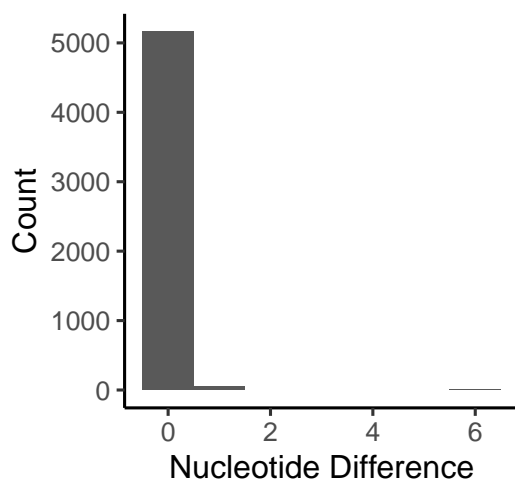
### TRBV7-2\*ap01

6400 sequences assigned  
6359 (99.4%) exact matches, in which:  
6231 unique CDR3  
13 unique J



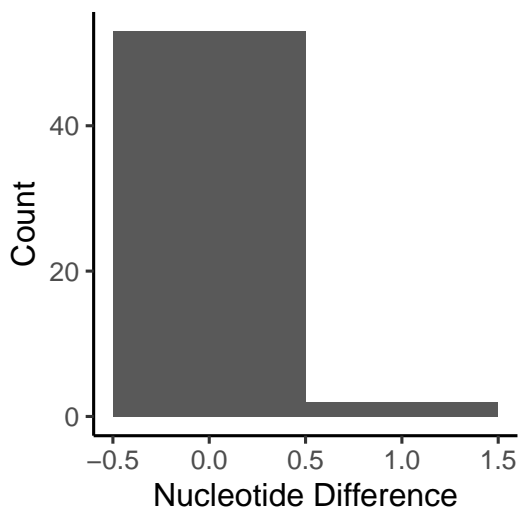
### TRBV6-23\*ap01

5215 sequences assigned  
5161 (99%) exact matches, in which:  
5008 unique CDR3  
13 unique J



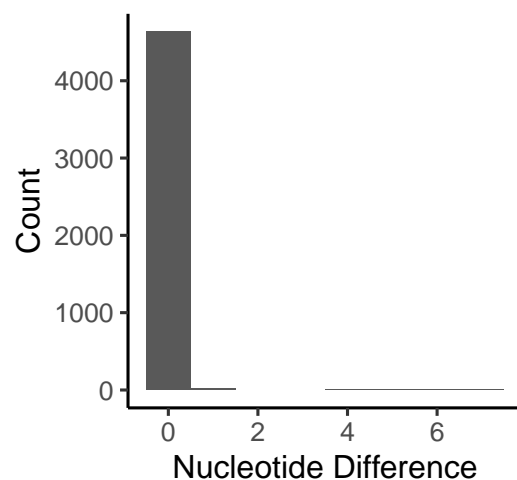
### TRBV7-1\*ap01\_G291C\_T

55 sequences assigned  
53 (96.4%) exact matches, in which:  
53 unique CDR3  
12 unique J



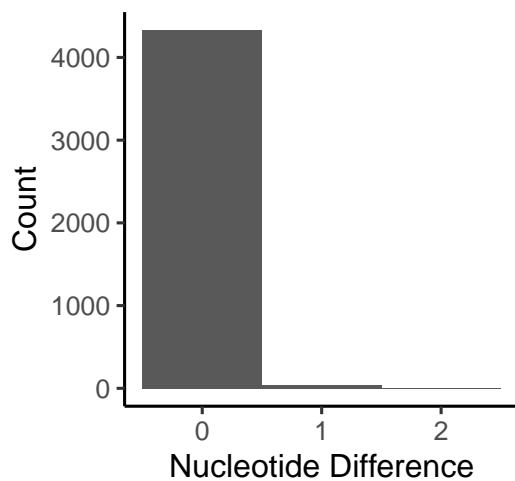
### TRBV7-3\*ap01

4664 sequences assigned  
4634 (99.4%) exact matches, in which:  
4575 unique CDR3  
13 unique J



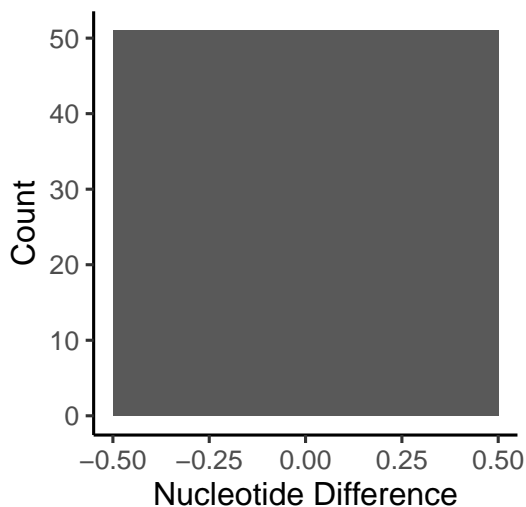
### TRBV6-56\*ap01

4374 sequences assigned  
4331 (99%) exact matches, in which:  
4206 unique CDR3  
13 unique J



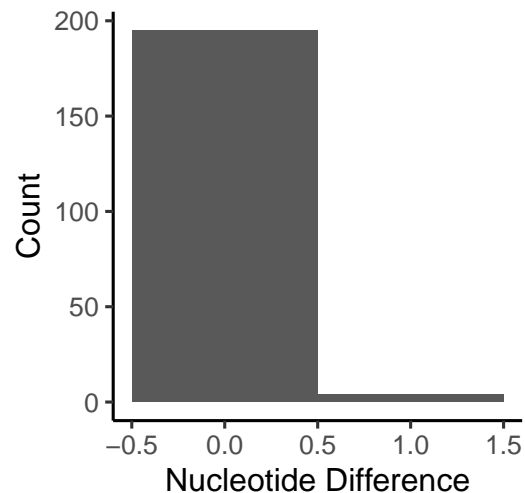
### TRBV7-1\*ap01\_G291C\_T

51 sequences assigned  
51 (100%) exact matches, in which:  
50 unique CDR3  
10 unique J



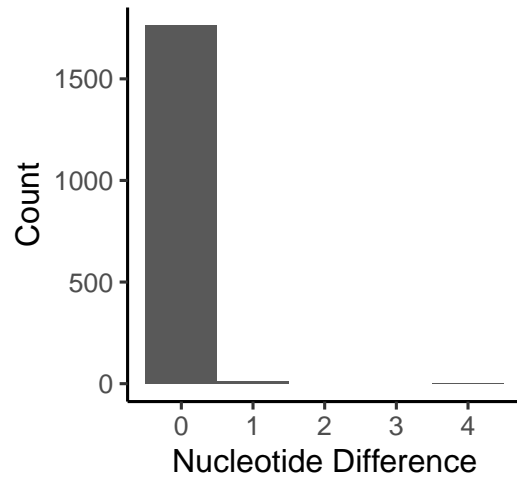
### TRBV7-4\*ap01

199 sequences assigned  
195 (98%) exact matches, in which:  
191 unique CDR3  
13 unique J



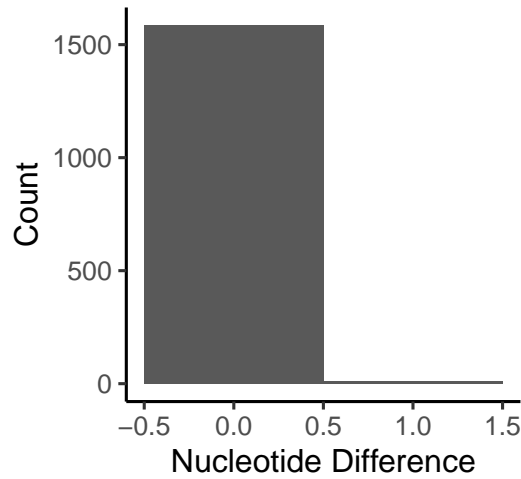
### TRBV7-6\*ap01

1779 sequences assigned  
1763 (99.1%) exact matches, in which:  
1710 unique CDR3  
13 unique J



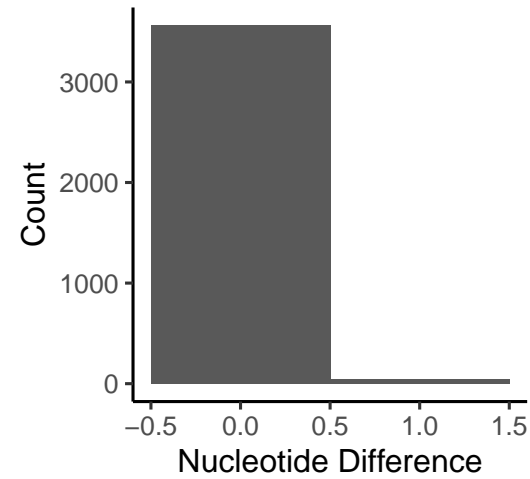
### TRBV7-8\*ap01

1598 sequences assigned  
1585 (99.2%) exact matches, in which:  
1549 unique CDR3  
13 unique J



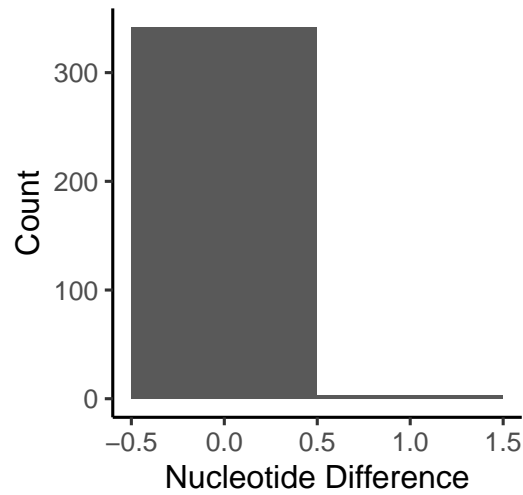
### TRBV29-1\*ap01

3609 sequences assigned  
3562 (98.7%) exact matches, in which:  
3468 unique CDR3  
13 unique J



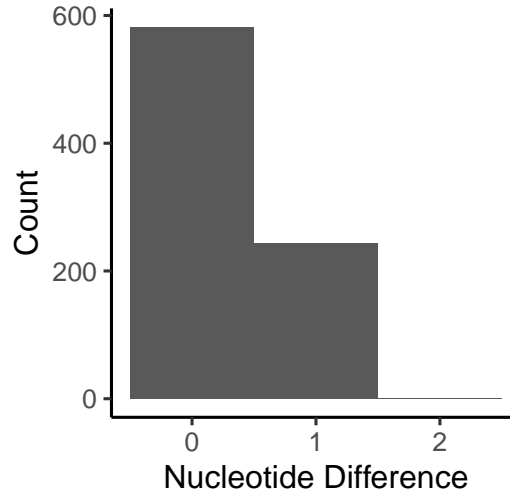
### TRBV7-7\*ap01

345 sequences assigned  
342 (99.1%) exact matches, in which:  
338 unique CDR3  
13 unique J



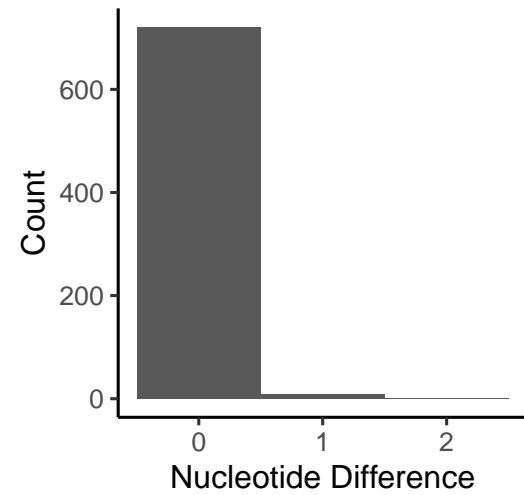
### TRBV7-8\*ap03

826 sequences assigned  
582 (70.5%) exact matches, in which:  
573 unique CDR3  
13 unique J



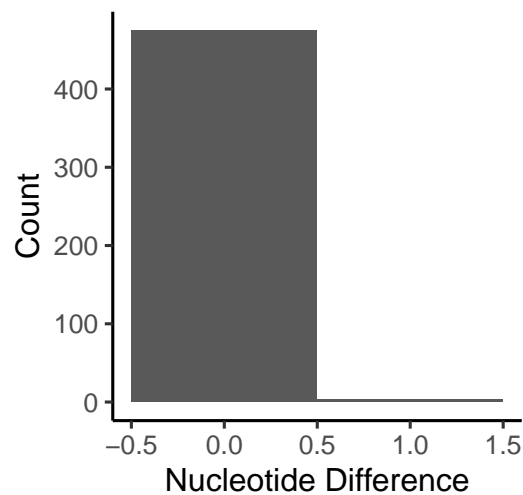
### TRBV29-1\*ap02

730 sequences assigned  
721 (98.8%) exact matches, in which:  
697 unique CDR3  
13 unique J



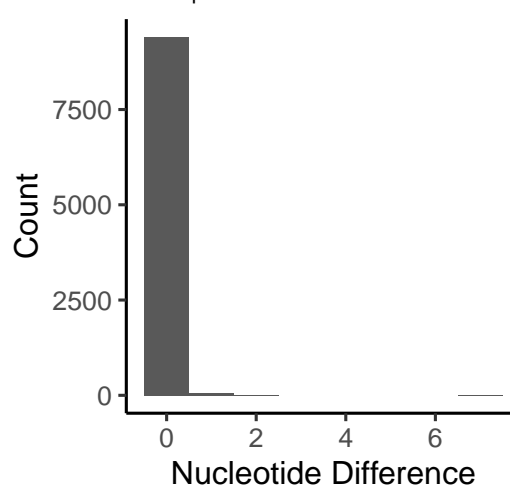
### TRBV7-7\*ap01\_C315T

478 sequences assigned  
475 (99.4%) exact matches, in which:  
463 unique CDR3  
13 unique J

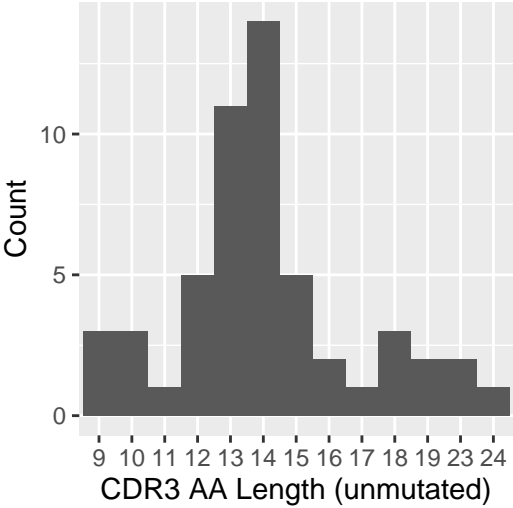


### TRBV7-9\*ap01

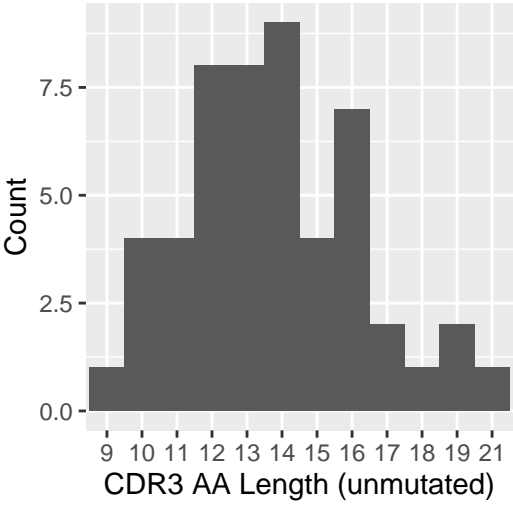
9466 sequences assigned  
9402 (99.3%) exact matches, in which:  
9241 unique CDR3  
13 unique J



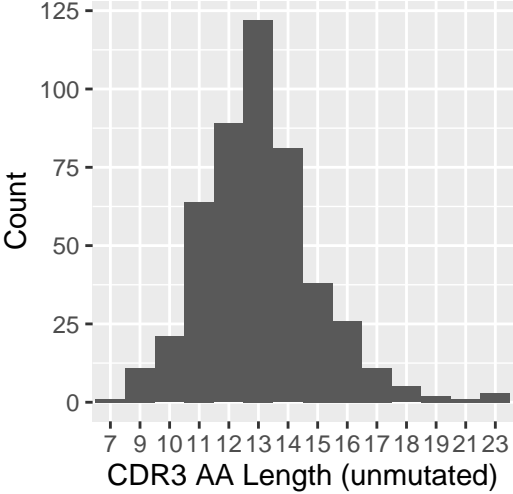
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.