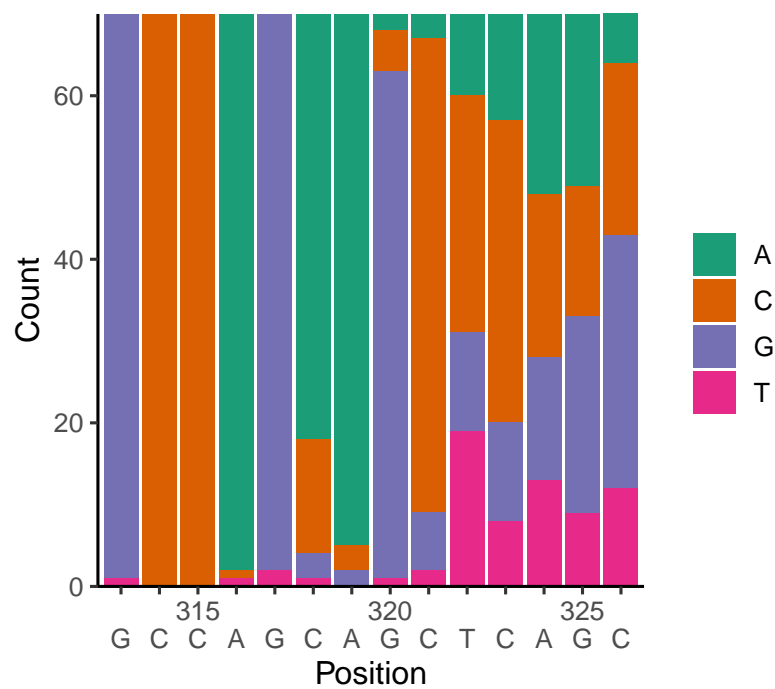
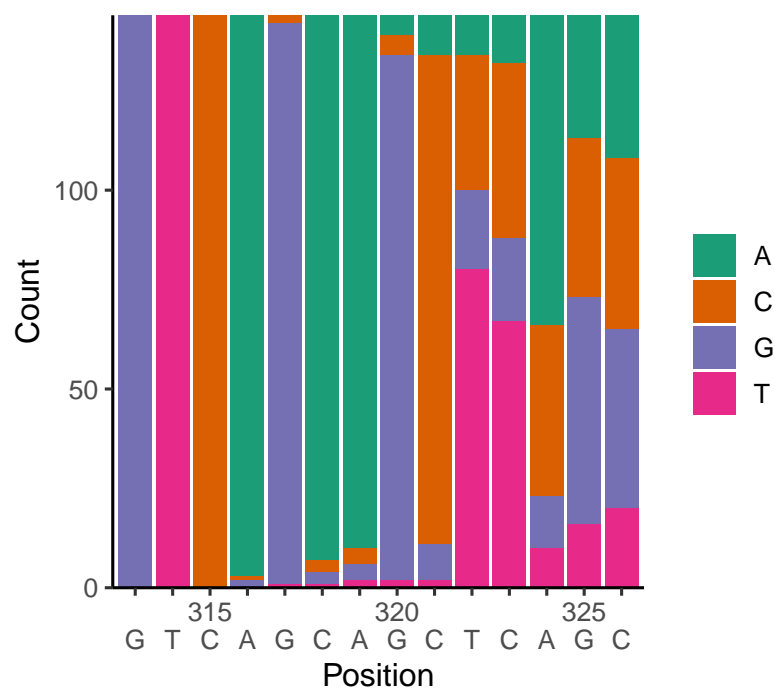


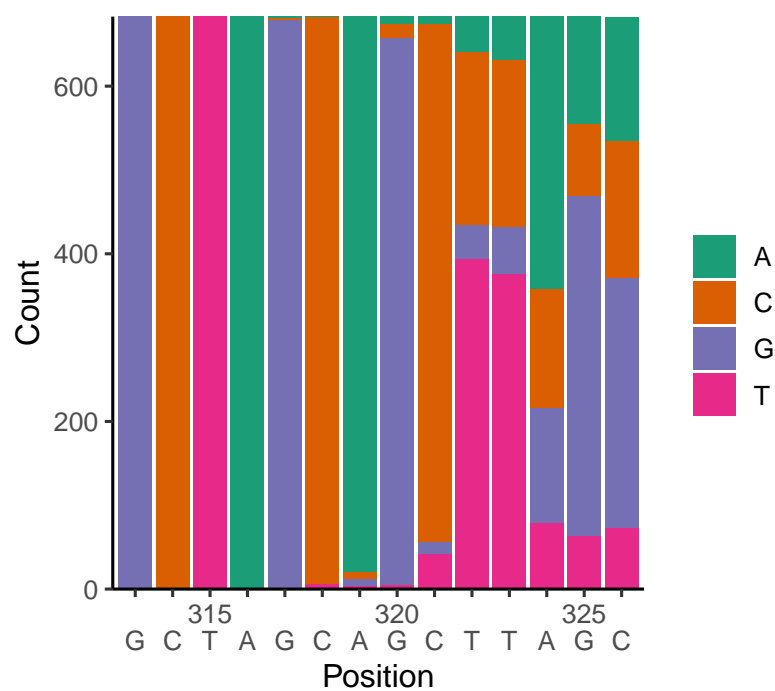
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C\_C314T



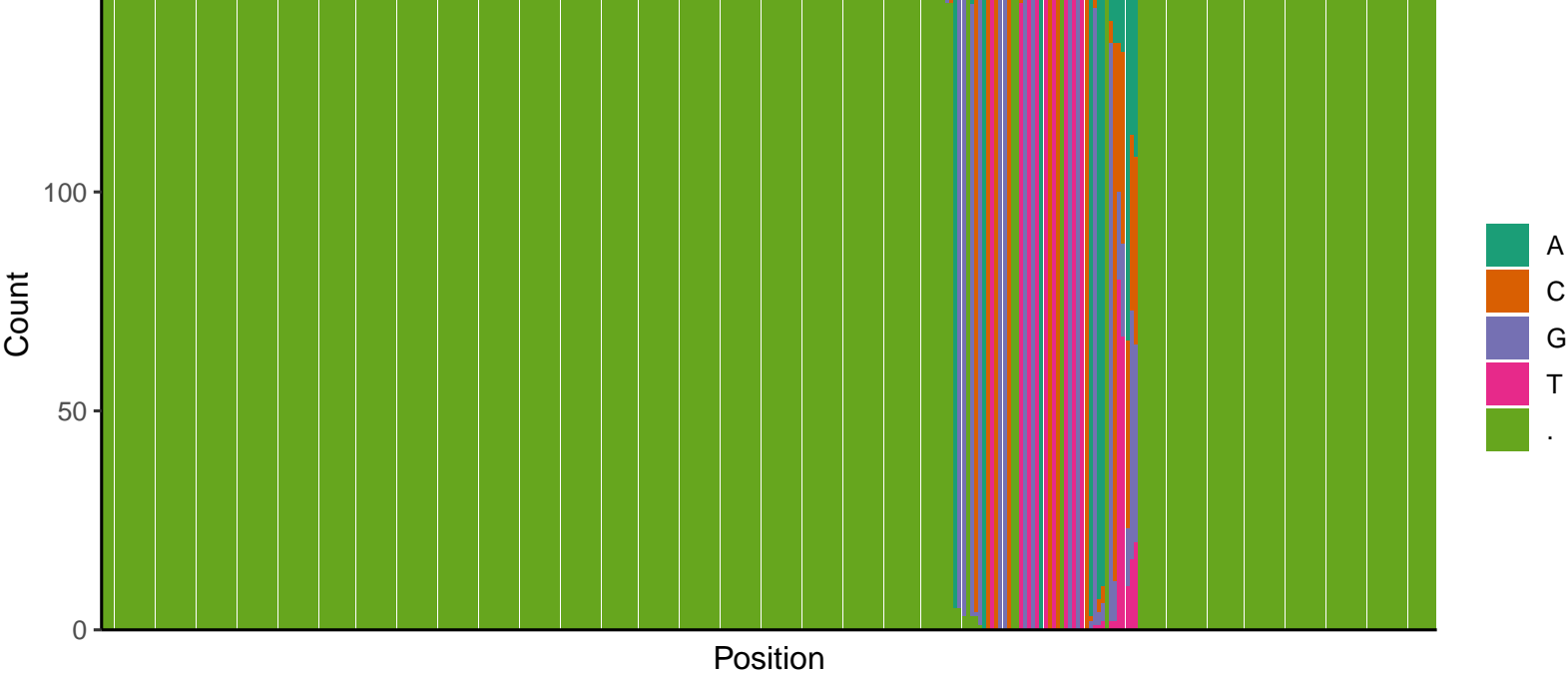
Gene TRBV7-7\*ap01\_C315T



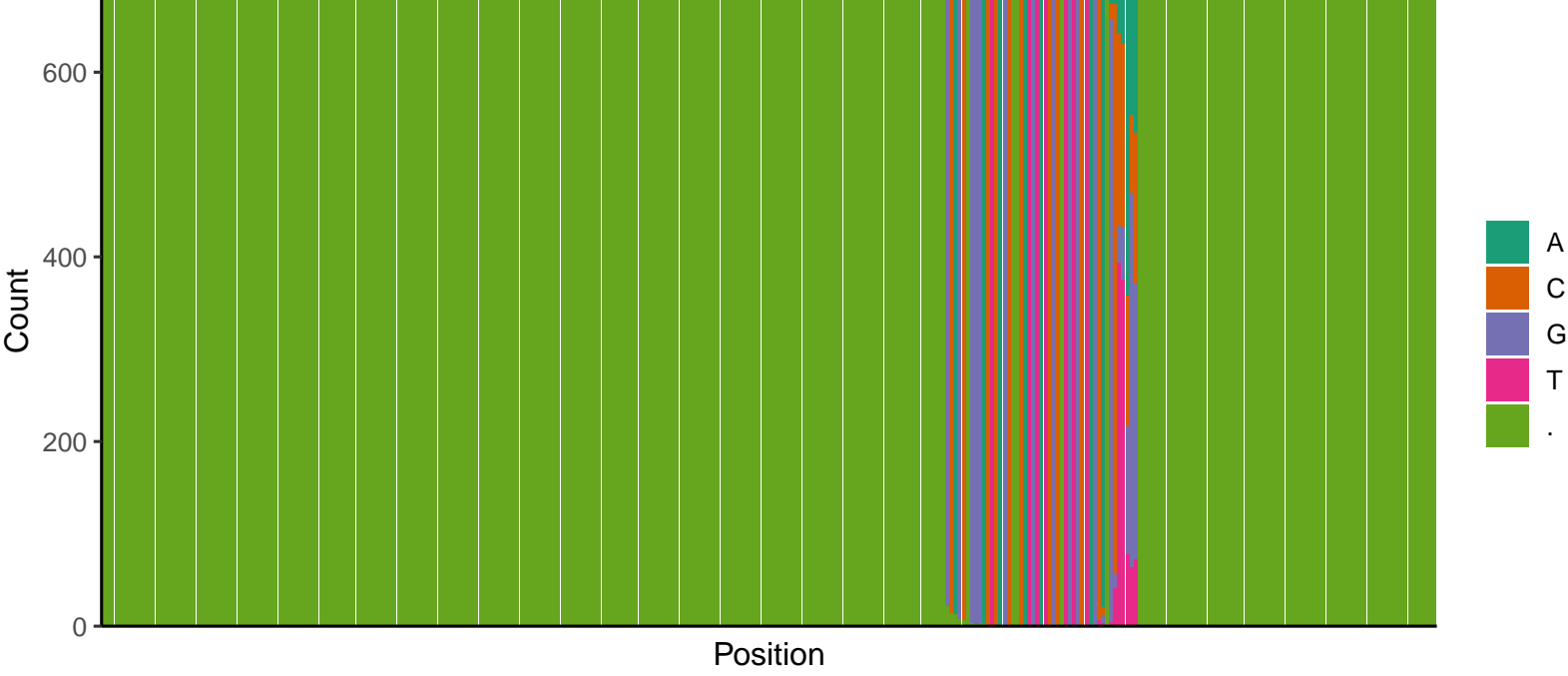
Gene TRBV7-1\*ap01\_T296C



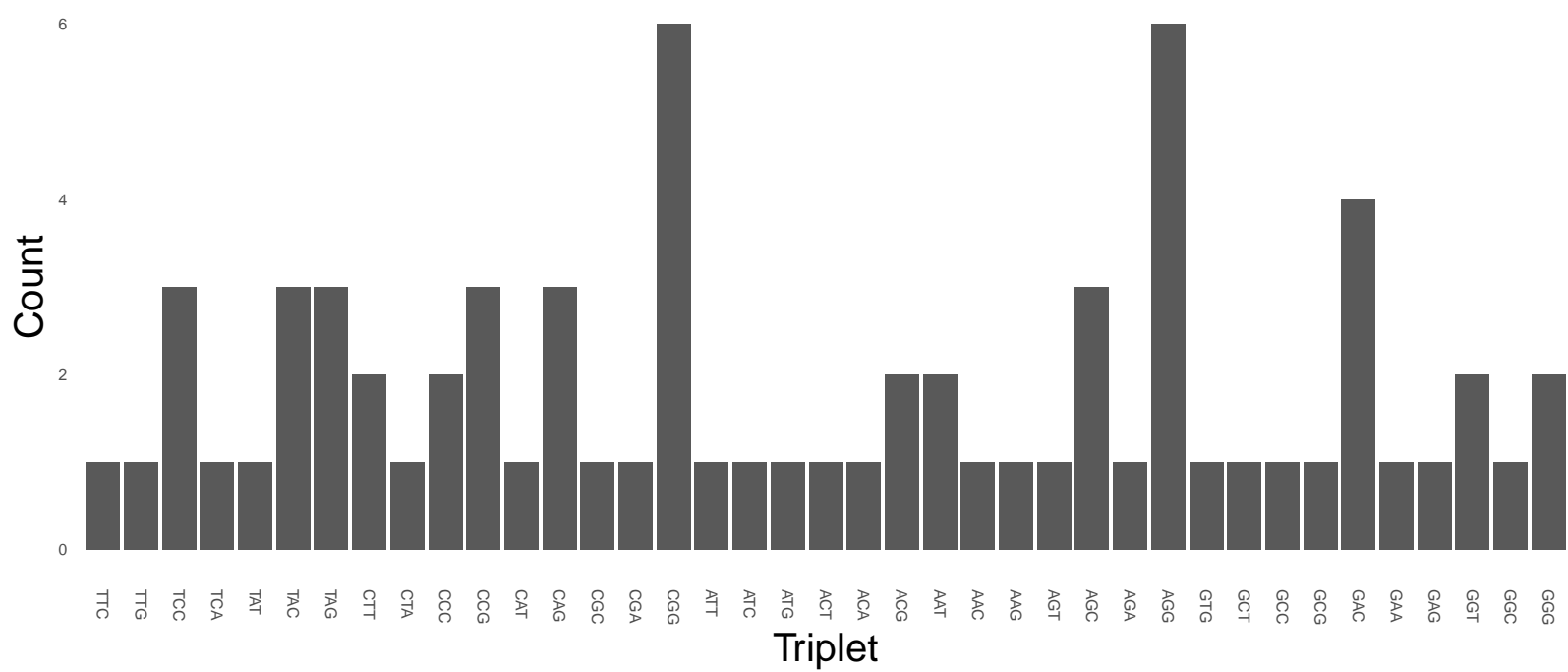
Gene TRBV7-1\*ap01\_T296C\_C314T



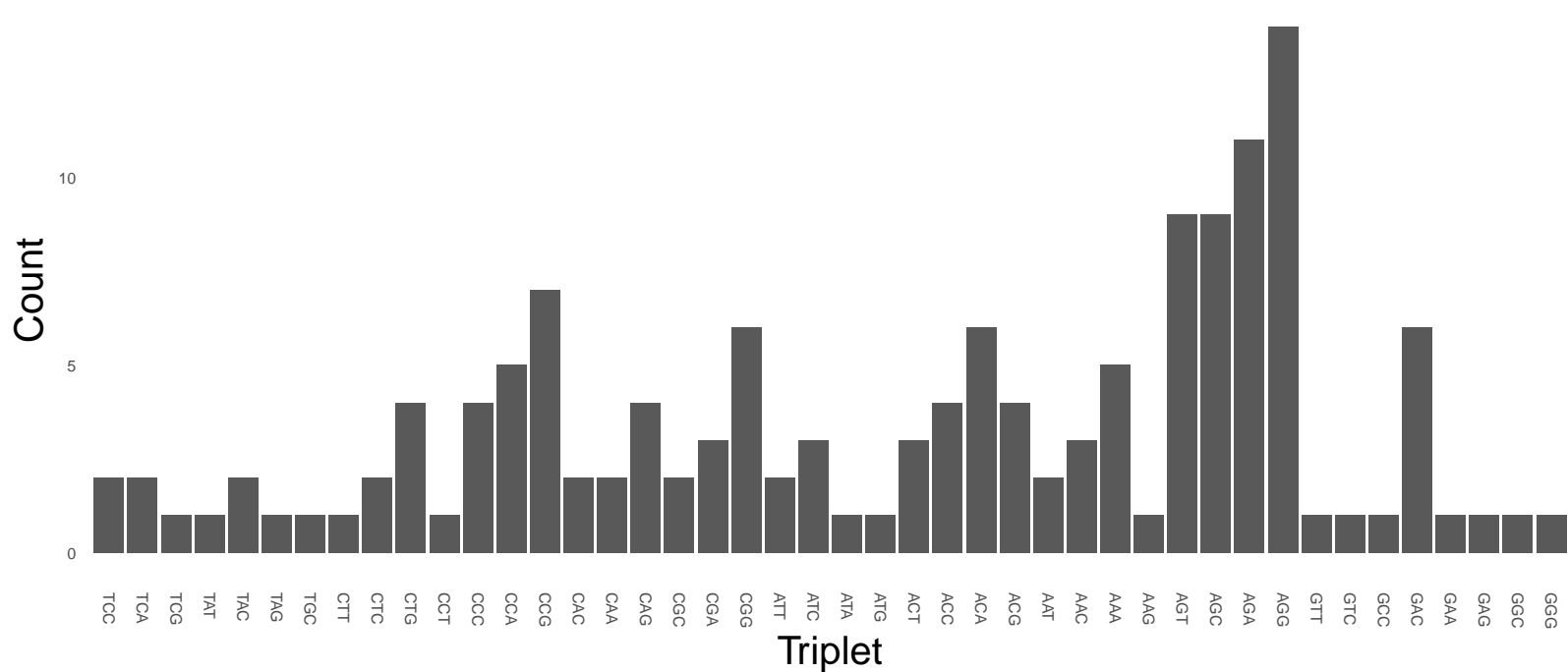
Gene TRBV7-7\*ap01\_C315T



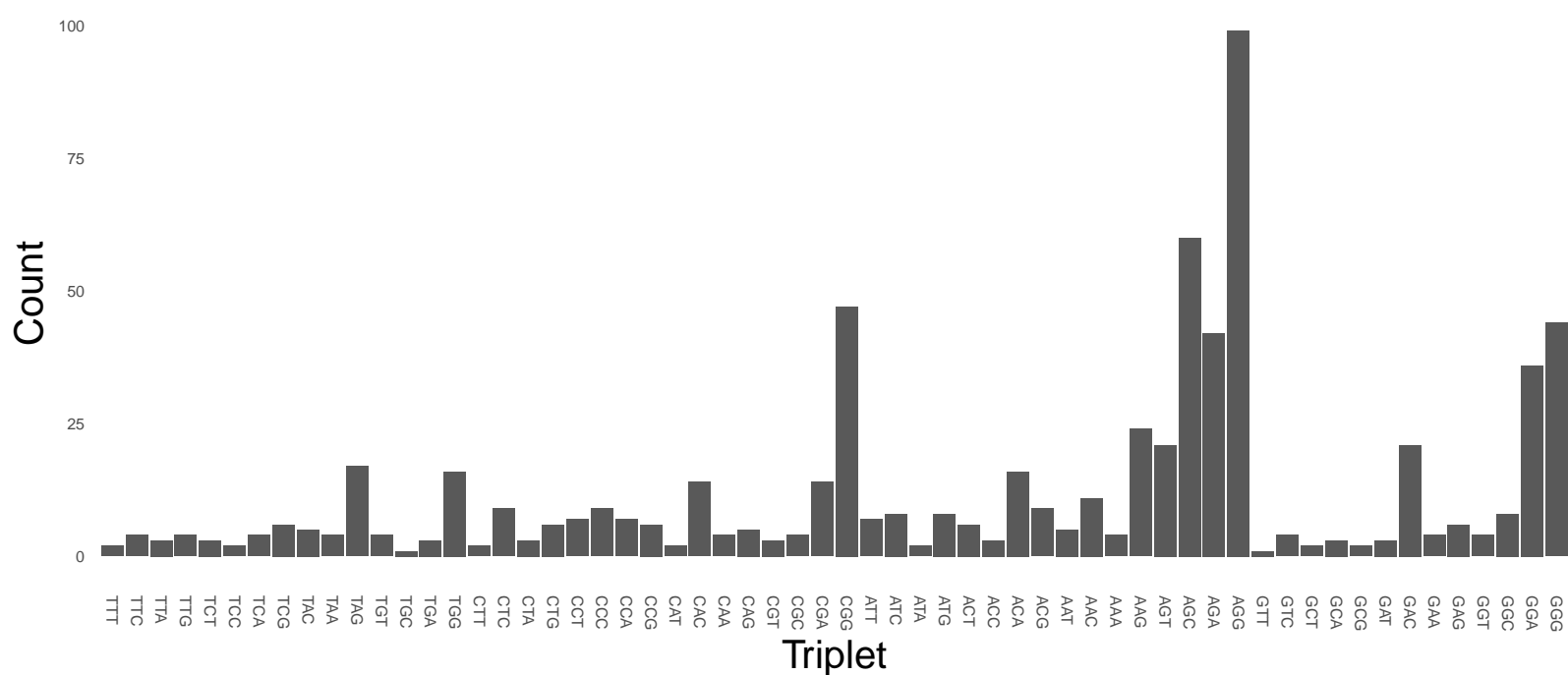
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



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

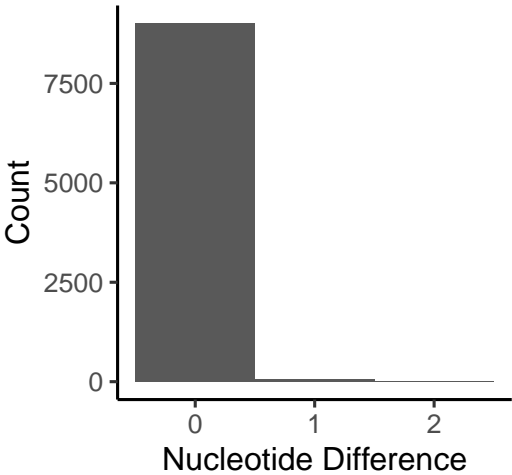


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



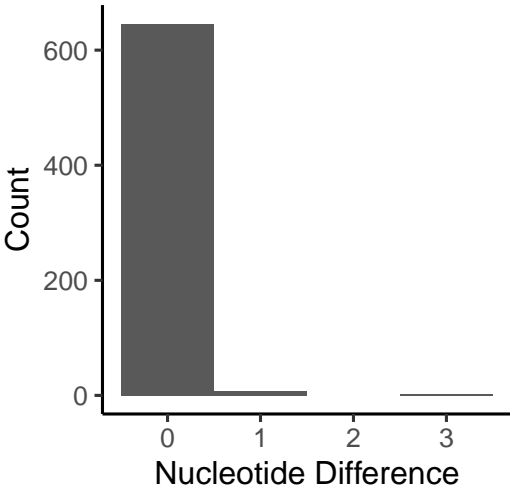
TRBV20-1\*ap01

9077 sequences assigned  
9009 (99.3%) exact matches, in which:  
8906 unique CDR3  
13 unique J



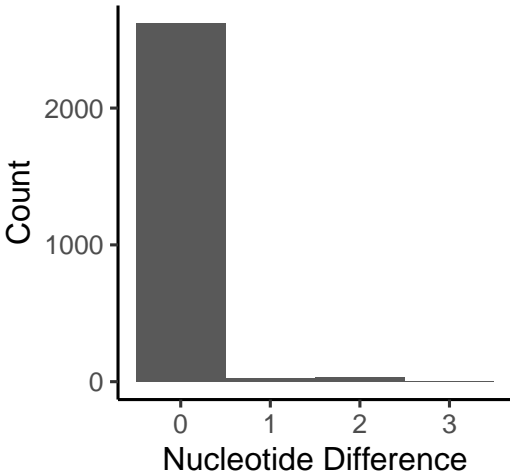
TRBV10-2\*ap01

656 sequences assigned  
646 (98.5%) exact matches, in which:  
638 unique CDR3  
13 unique J



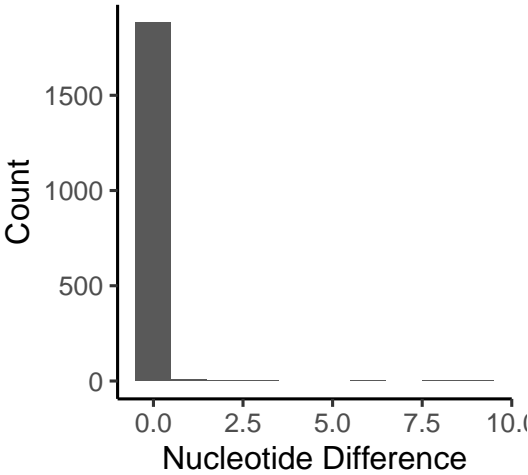
TRBV13\*ap01

2677 sequences assigned  
2619 (97.8%) exact matches, in which:  
2564 unique CDR3  
13 unique J



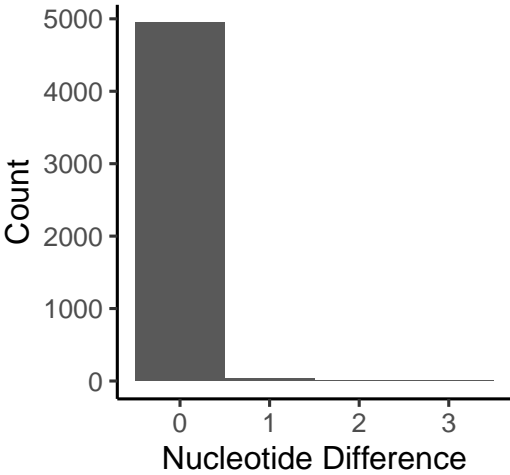
TRBV10-1\*ap01

1895 sequences assigned  
1881 (99.3%) exact matches, in which:  
1864 unique CDR3  
13 unique J



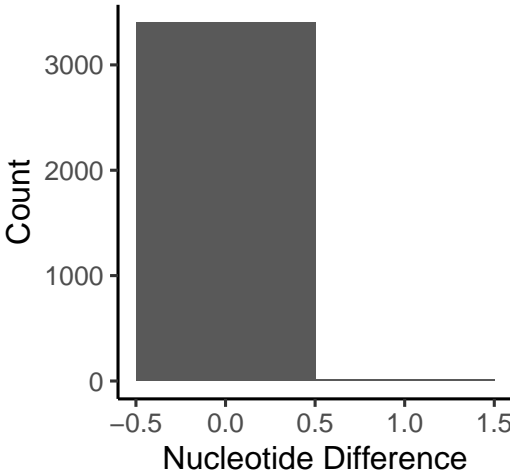
TRBV10-3\*ap01

4986 sequences assigned  
4946 (99.2%) exact matches, in which:  
4876 unique CDR3  
13 unique J



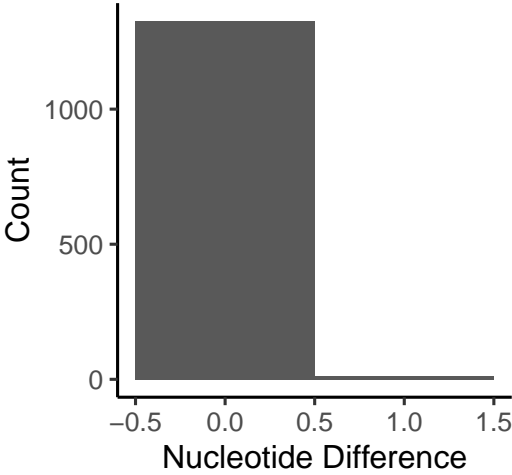
TRBV14\*ap01

3414 sequences assigned  
3400 (99.6%) exact matches, in which:  
3367 unique CDR3  
13 unique J



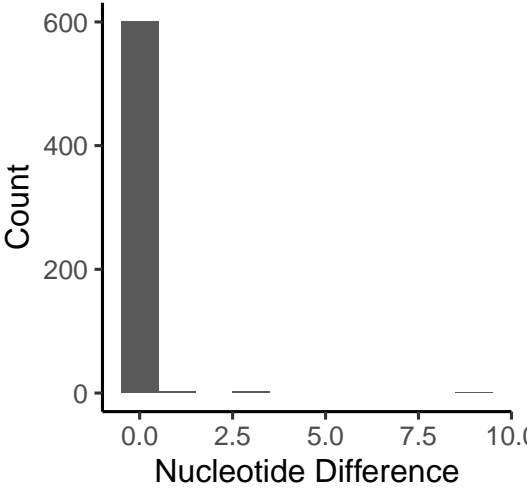
TRBV20-1\*ap02

1338 sequences assigned  
1326 (99.1%) exact matches, in which:  
1315 unique CDR3  
13 unique J



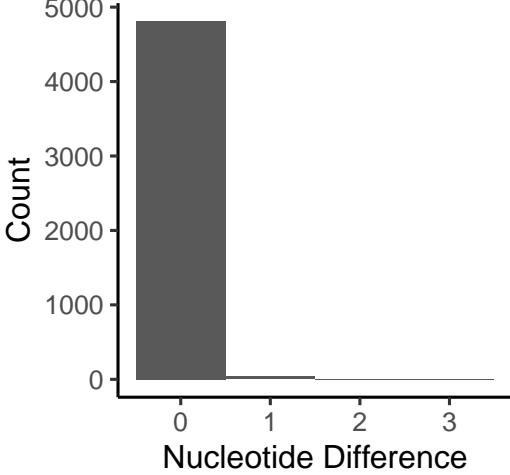
TRBV1\*ap01

606 sequences assigned  
601 (99.2%) exact matches, in which:  
587 unique CDR3  
13 unique J



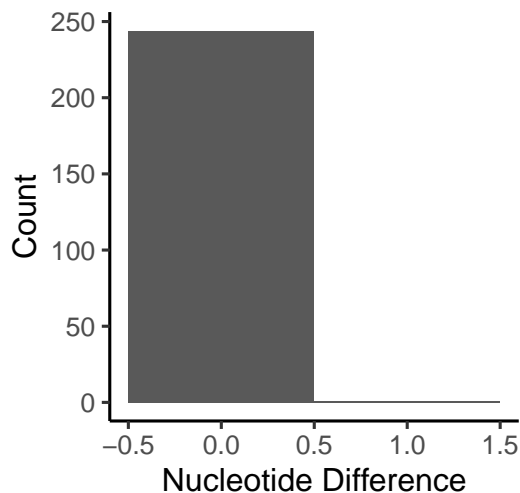
TRBV15\*ap02

4855 sequences assigned  
4813 (99.1%) exact matches, in which:  
4726 unique CDR3  
13 unique J



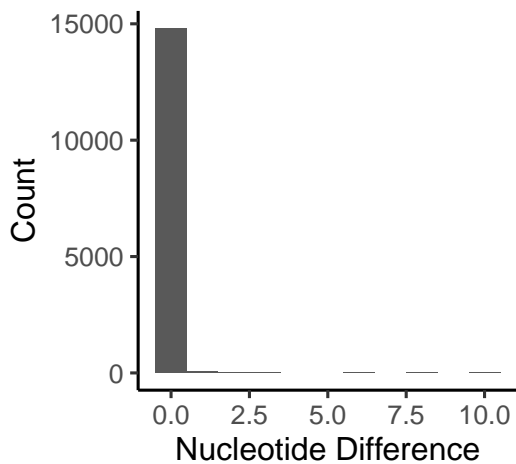
### TRBV16\*ap01

245 sequences assigned  
244 (99.6%) exact matches, in which:  
242 unique CDR3  
13 unique J



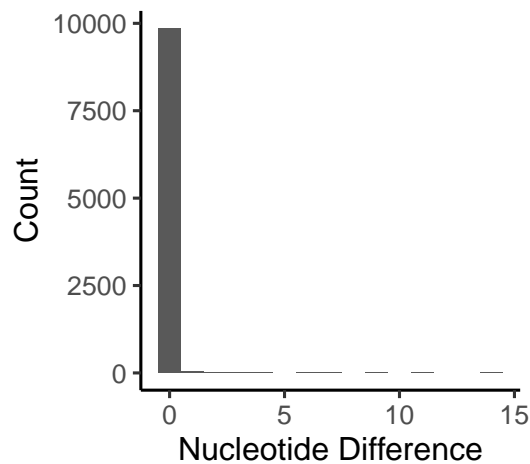
### TRBV19\*ap01

14908 sequences assigned  
14814 (99.4%) exact matches, in which:  
14720 unique CDR3  
13 unique J



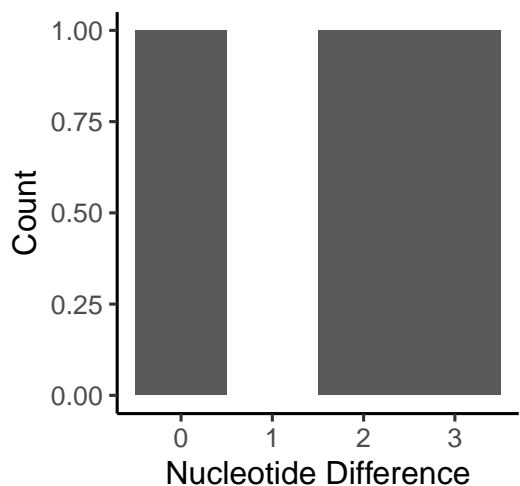
### TRBV27\*ap01

9934 sequences assigned  
9862 (99.3%) exact matches, in which:  
9717 unique CDR3  
13 unique J



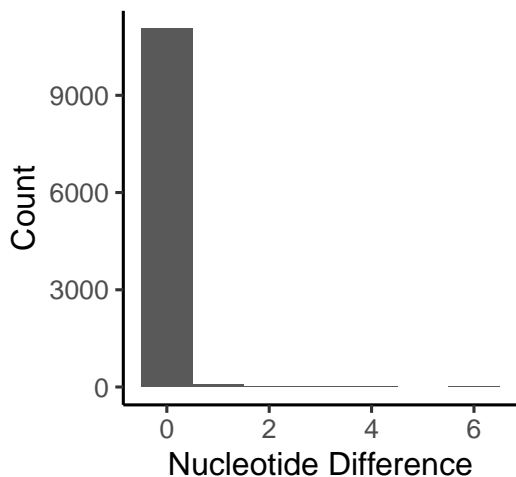
### TRBV17\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



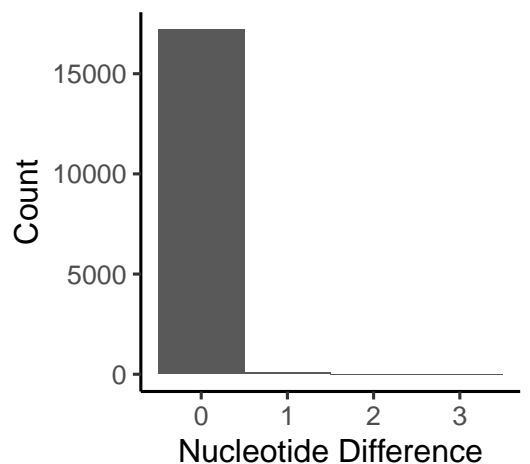
### TRBV2\*ap01

11128 sequences assigned  
11055 (99.3%) exact matches, in which:  
10917 unique CDR3  
13 unique J



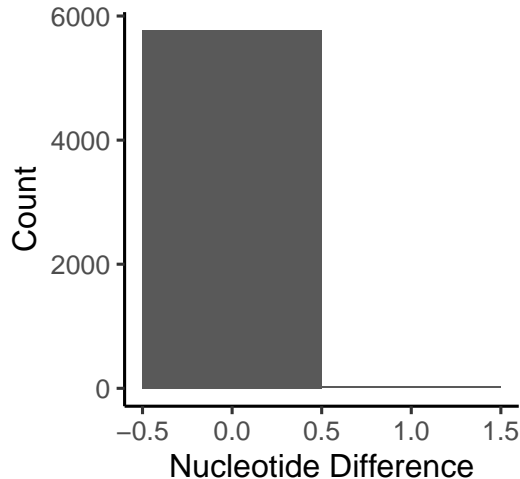
### TRBV28\*ap01

17311 sequences assigned  
17208 (99.4%) exact matches, in which:  
17026 unique CDR3  
13 unique J



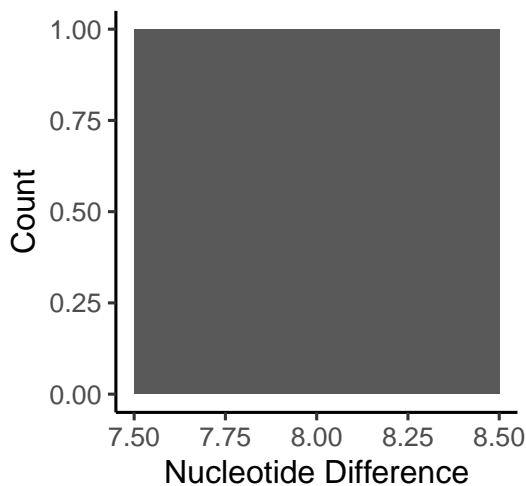
### TRBV18\*ap01

5802 sequences assigned  
5774 (99.5%) exact matches, in which:  
5716 unique CDR3  
13 unique J



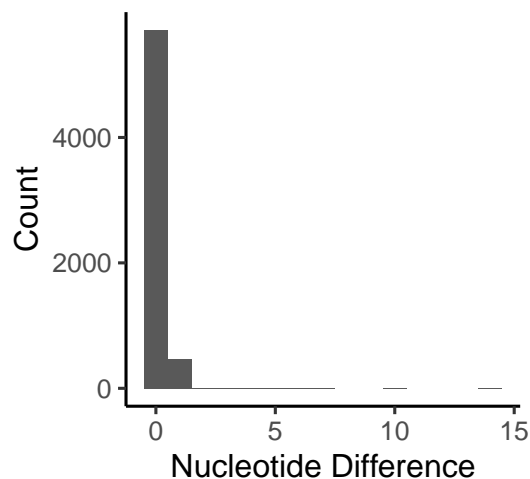
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



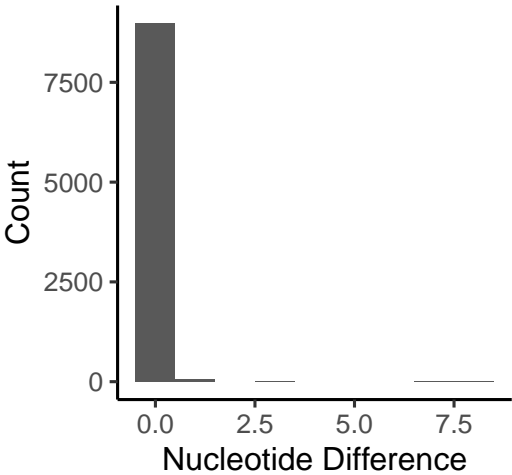
### TRBV30\*ap01

6196 sequences assigned  
5713 (92.2%) exact matches, in which:  
5579 unique CDR3  
13 unique J



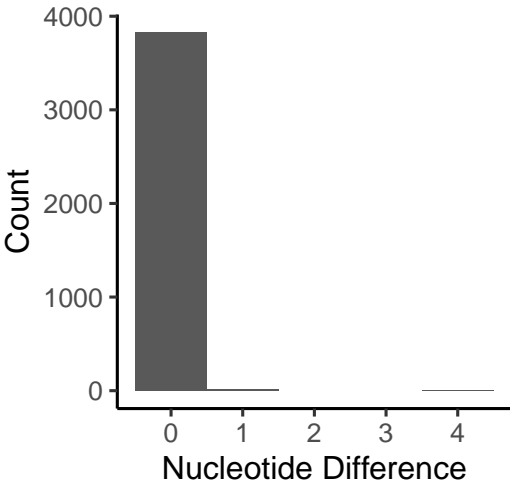
TRBV9\*ap01

9039 sequences assigned  
8977 (99.3%) exact matches, in which:  
8887 unique CDR3  
13 unique J



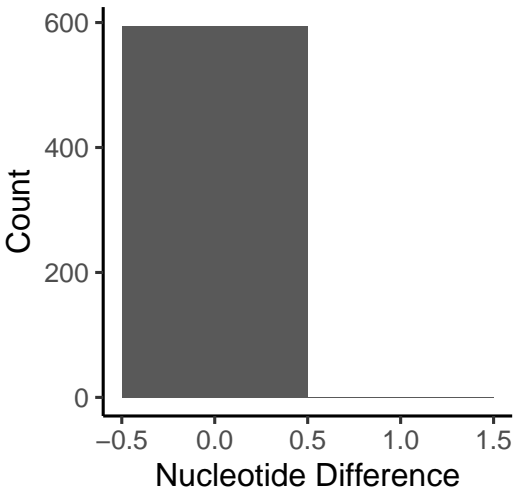
TRBV11-2\*ap01

3840 sequences assigned  
3827 (99.7%) exact matches, in which:  
3809 unique CDR3  
13 unique J



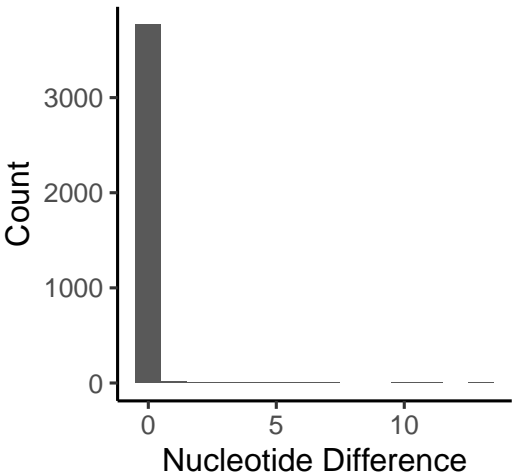
TRBV12-2\*ap01

596 sequences assigned  
595 (99.8%) exact matches, in which:  
588 unique CDR3  
13 unique J



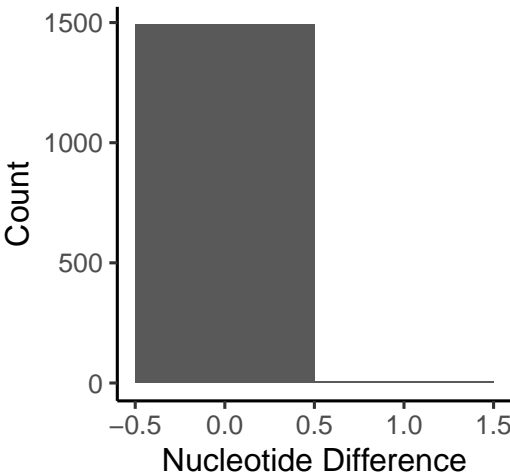
TRBV21-1\*ap01

3803 sequences assigned  
3766 (99%) exact matches, in which:  
3739 unique CDR3  
13 unique J



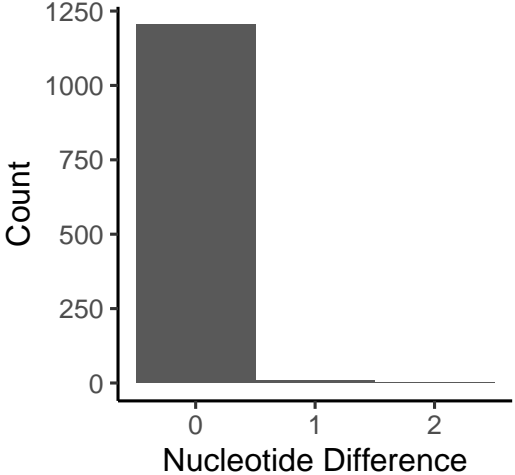
TRBV11-3\*ap01

1496 sequences assigned  
1491 (99.7%) exact matches, in which:  
1485 unique CDR3  
13 unique J



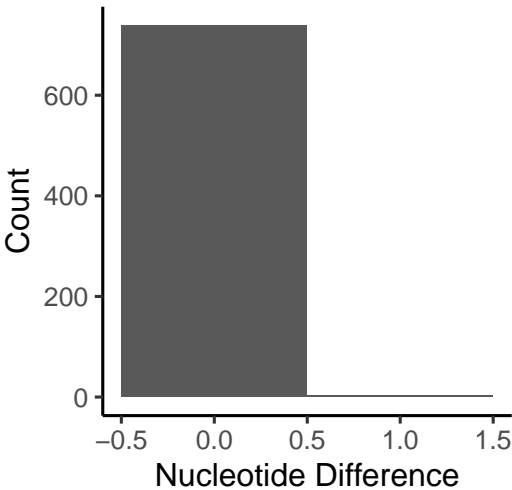
TRBV12-5\*ap01

1212 sequences assigned  
1204 (99.3%) exact matches, in which:  
1193 unique CDR3  
13 unique J



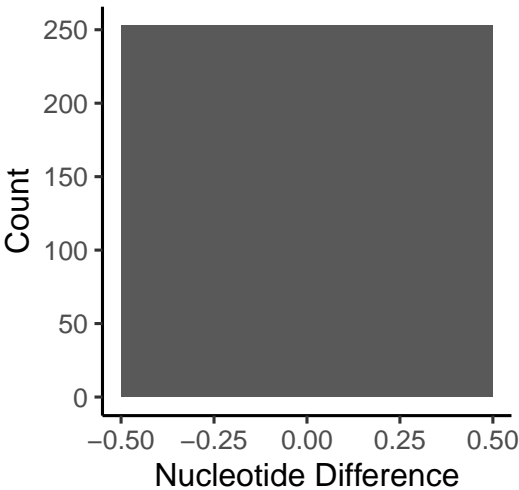
TRBV11-1\*ap01

743 sequences assigned  
739 (99.5%) exact matches, in which:  
735 unique CDR3  
13 unique J



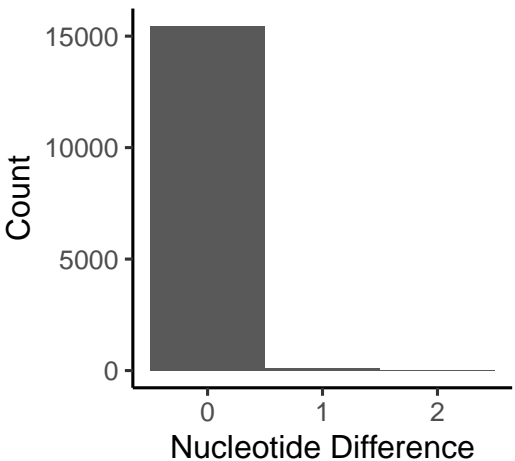
TRBV12-1\*ap01

253 sequences assigned  
253 (100%) exact matches, in which:  
253 unique CDR3  
13 unique J



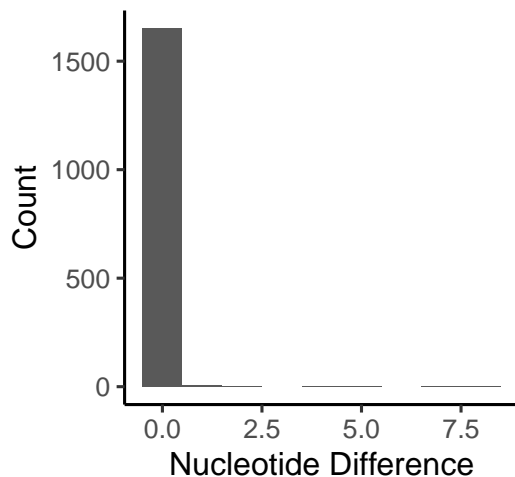
TRBV12-34\*ap01

15572 sequences assigned  
15464 (99.3%) exact matches, in which:  
15279 unique CDR3  
13 unique J



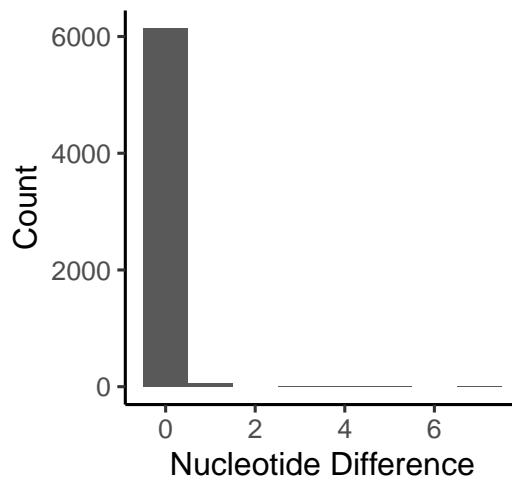
### TRBV23-1\*ap01

1667 sequences assigned  
1651 (99%) exact matches, in which:  
1632 unique CDR3  
13 unique J



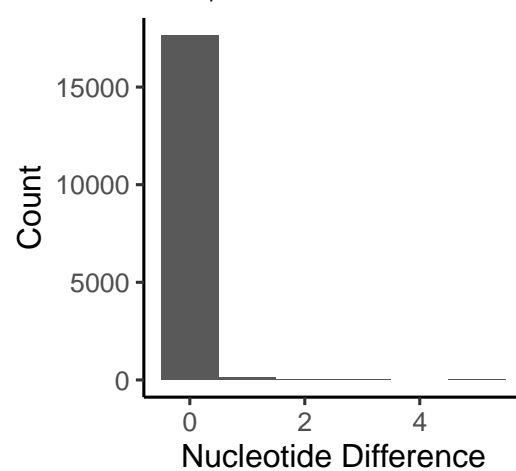
### TRBV24-1\*ap01

6203 sequences assigned  
6139 (99%) exact matches, in which:  
6061 unique CDR3  
13 unique J



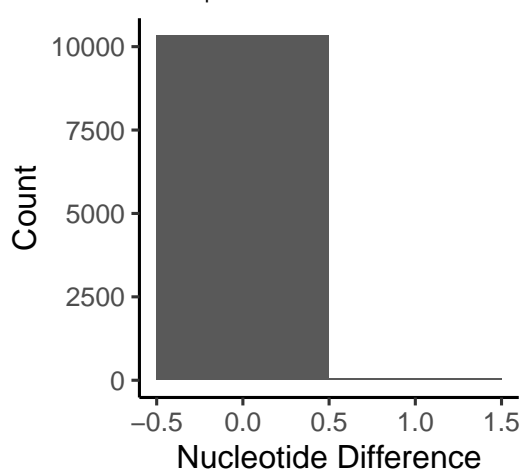
### TRBV5-1\*ap01

17791 sequences assigned  
17659 (99.3%) exact matches, in which:  
17310 unique CDR3  
13 unique J



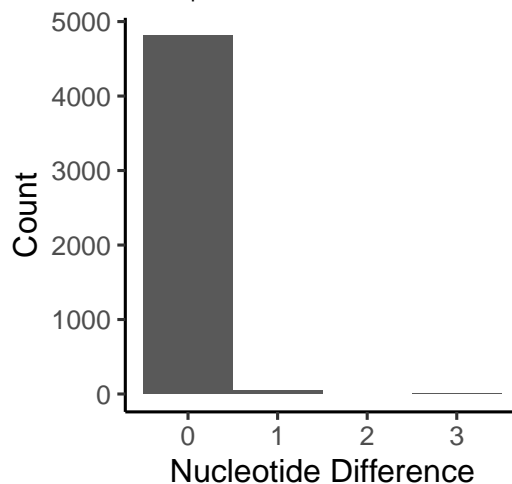
### TRBV3-12\*ap01

10382 sequences assigned  
10335 (99.5%) exact matches, in which:  
10247 unique CDR3  
13 unique J



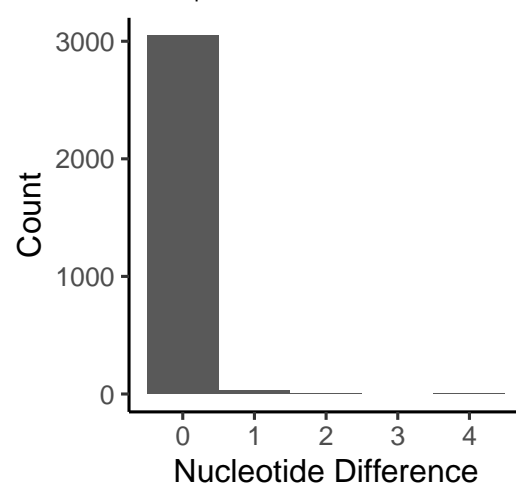
### TRBV4-2\*ap01

4852 sequences assigned  
4810 (99.1%) exact matches, in which:  
4723 unique CDR3  
13 unique J



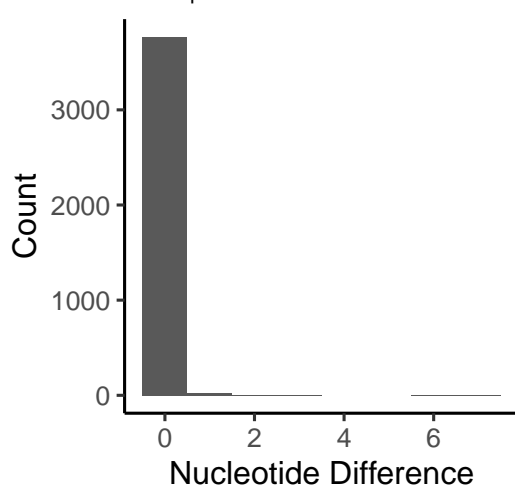
### TRBV25-1\*ap01

3077 sequences assigned  
3047 (99%) exact matches, in which:  
2978 unique CDR3  
13 unique J



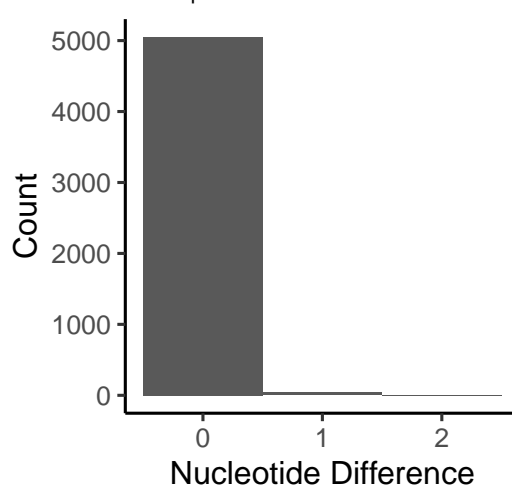
### TRBV4-1\*ap01

3797 sequences assigned  
3765 (99.2%) exact matches, in which:  
3699 unique CDR3  
13 unique J



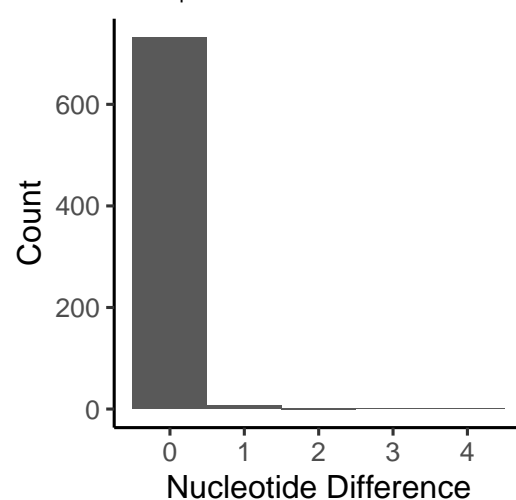
### TRBV4-3\*ap01

5093 sequences assigned  
5050 (99.2%) exact matches, in which:  
4981 unique CDR3  
13 unique J



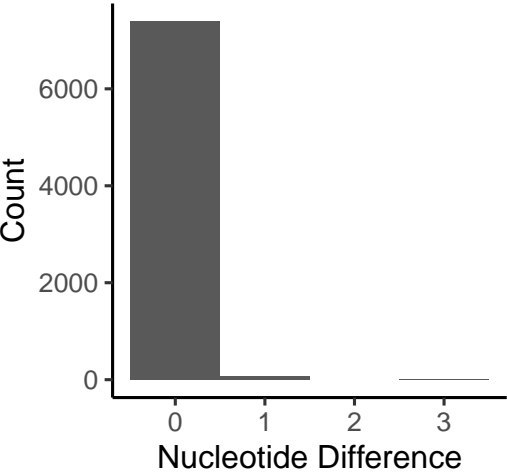
### TRBV5-3\*ap01

743 sequences assigned  
732 (98.5%) exact matches, in which:  
725 unique CDR3  
13 unique J



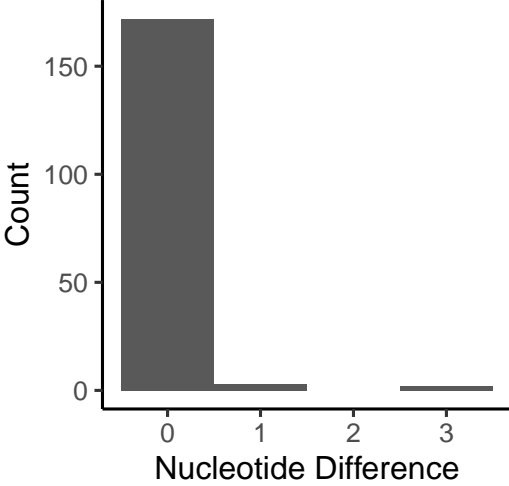
TRBV5-4\*ap01

7459 sequences assigned  
7391 (99.1%) exact matches, in which:  
7278 unique CDR3  
13 unique J



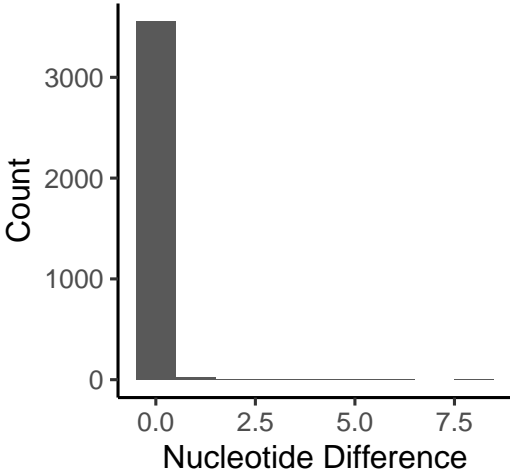
TRBV5-7\*ap01

177 sequences assigned  
172 (97.2%) exact matches, in which:  
167 unique CDR3  
13 unique J



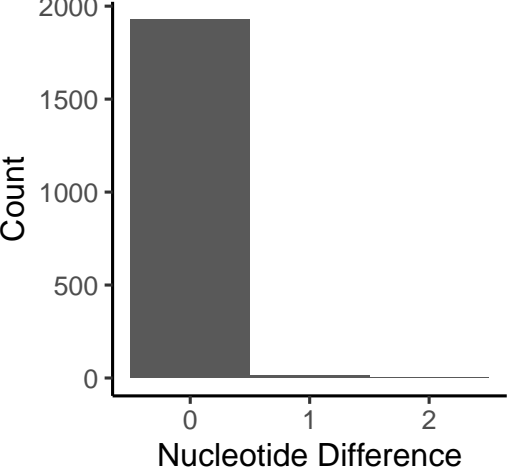
TRBV6-4\*ap01

3602 sequences assigned  
3555 (98.7%) exact matches, in which:  
3517 unique CDR3  
13 unique J



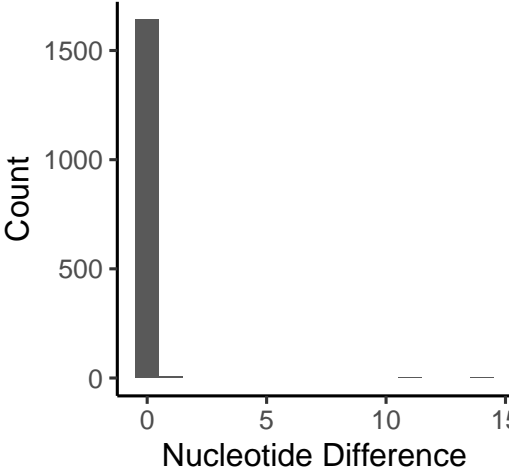
TRBV5-5\*ap01

1943 sequences assigned  
1927 (99.2%) exact matches, in which:  
1913 unique CDR3  
13 unique J



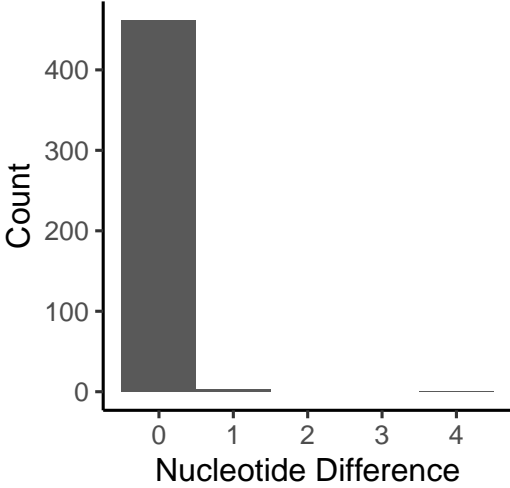
TRBV5-8\*ap01

1651 sequences assigned  
1641 (99.4%) exact matches, in which:  
1625 unique CDR3  
13 unique J



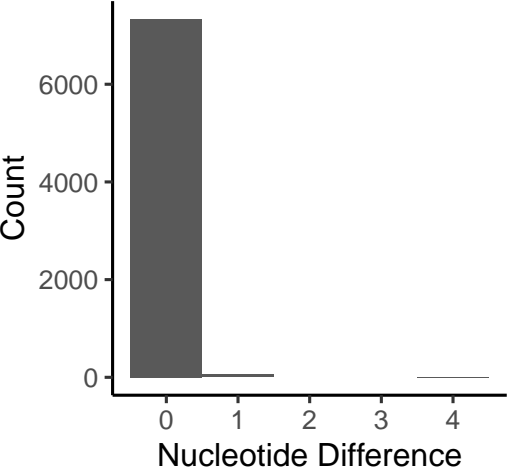
TRBV6-7\*ap01

466 sequences assigned  
462 (99.1%) exact matches, in which:  
460 unique CDR3  
13 unique J



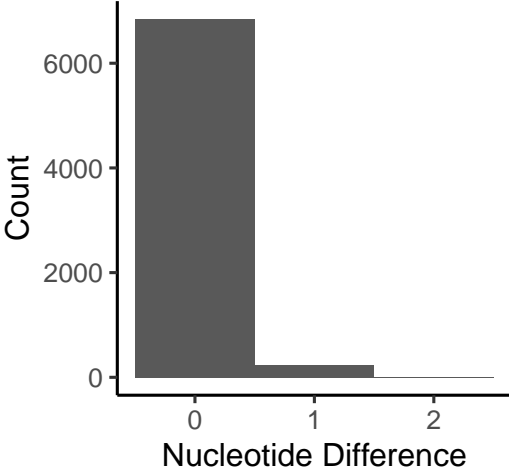
TRBV5-6\*ap01

7395 sequences assigned  
7335 (99.2%) exact matches, in which:  
7158 unique CDR3  
13 unique J



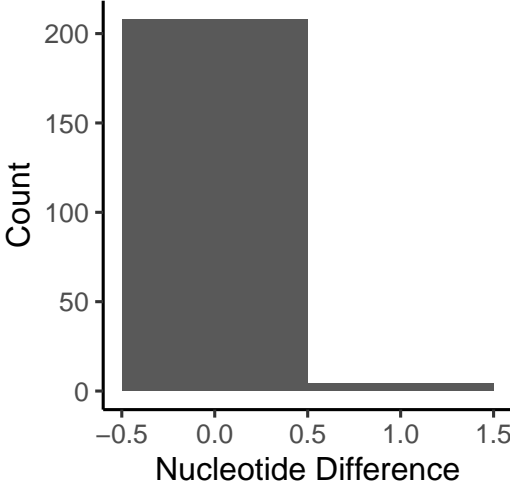
TRBV6-1\*ap01

7084 sequences assigned  
6844 (96.6%) exact matches, in which:  
6754 unique CDR3  
13 unique J



TRBV6-8\*ap01

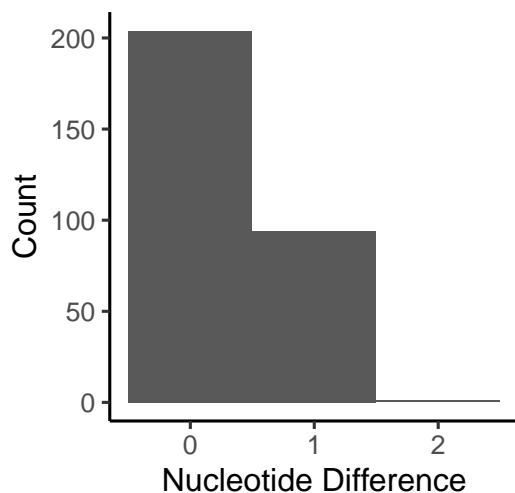
212 sequences assigned  
208 (98.1%) exact matches, in which:  
203 unique CDR3  
13 unique J





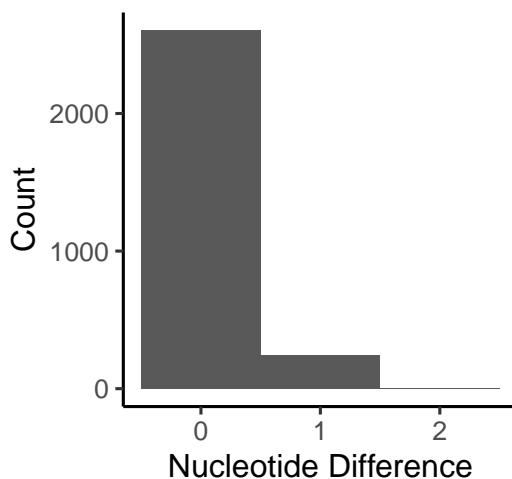
### TRBV6-9\*ap01

299 sequences assigned  
204 (68.2%) exact matches, in which:  
199 unique CDR3  
13 unique J



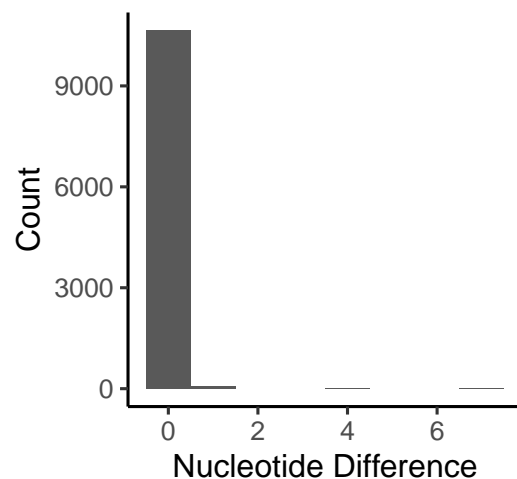
### TRBV6-56\*ap02

2853 sequences assigned  
2604 (91.3%) exact matches, in which:  
2548 unique CDR3  
13 unique J



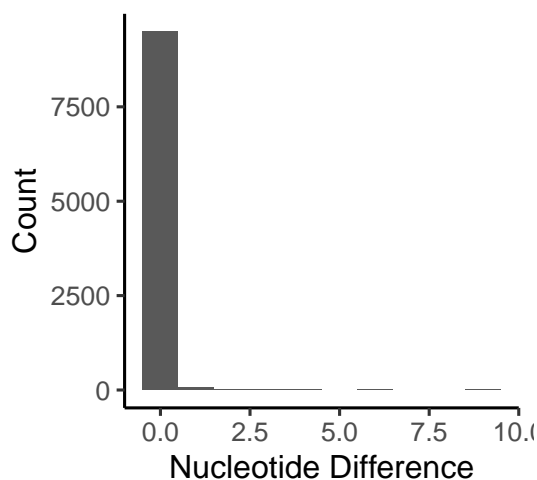
### TRBV7-2\*ap01

10719 sequences assigned  
10650 (99.4%) exact matches, in which:  
10551 unique CDR3  
13 unique J



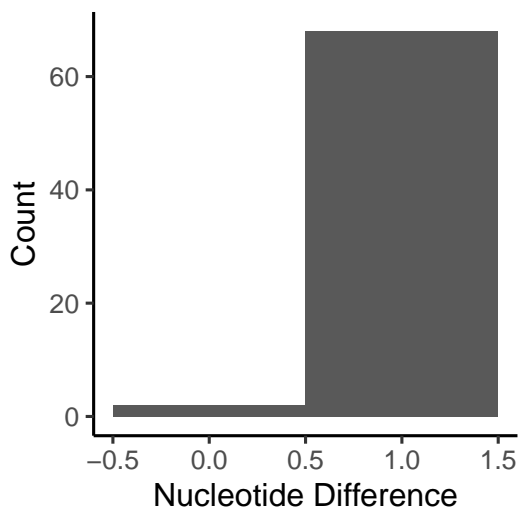
### TRBV6-23\*ap01

9562 sequences assigned  
9489 (99.2%) exact matches, in which:  
9314 unique CDR3  
13 unique J



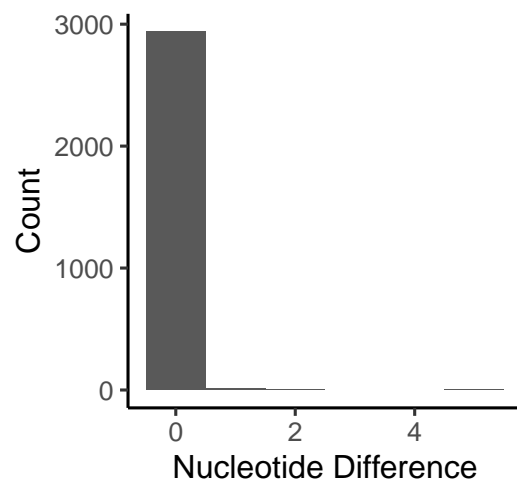
### TRBV7-1\*ap01\_T296C

70 sequences assigned  
2 (2.9%) exact matches, in which:  
2 unique CDR3  
2 unique J



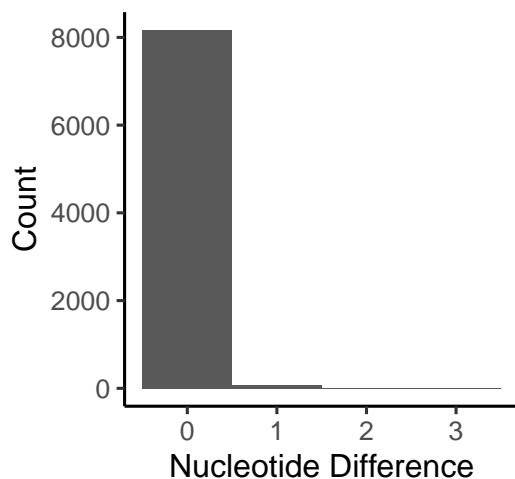
### TRBV7-3\*ap01

2956 sequences assigned  
2938 (99.4%) exact matches, in which:  
2913 unique CDR3  
13 unique J



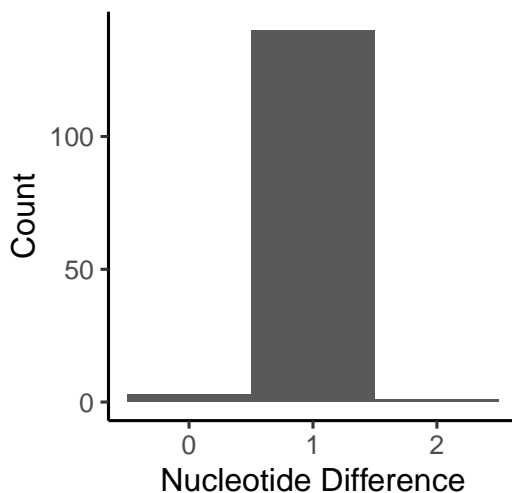
### TRBV6-56\*ap01

8244 sequences assigned  
8168 (99.1%) exact matches, in which:  
8036 unique CDR3  
13 unique J



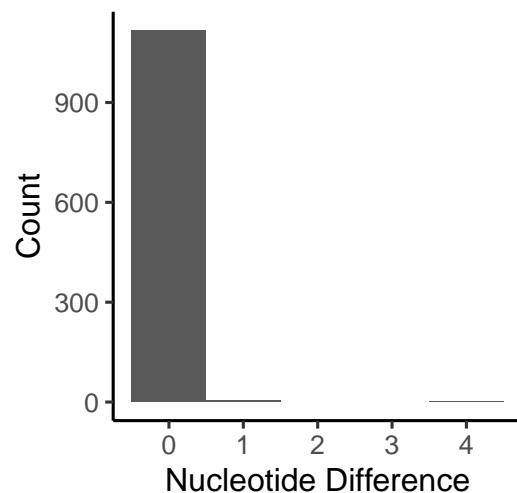
### TRBV7-1\*ap01\_T296C\_(

144 sequences assigned  
3 (2.1%) exact matches, in which:  
3 unique CDR3  
3 unique J



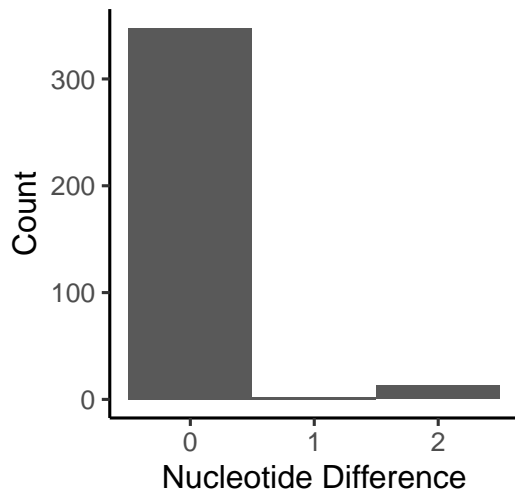
### TRBV7-3\*ap03

1125 sequences assigned  
1117 (99.3%) exact matches, in which:  
1107 unique CDR3  
13 unique J



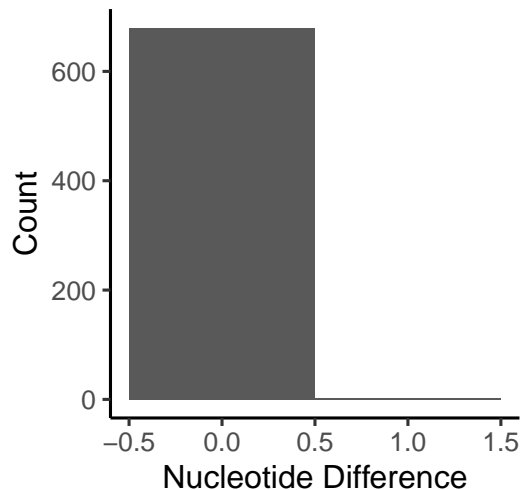
### TRBV7-4\*ap01

363 sequences assigned  
348 (95.9%) exact matches, in which:  
345 unique CDR3  
13 unique J



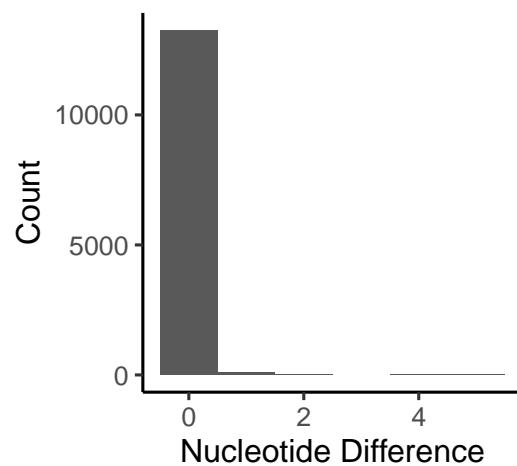
### TRBV7-7\*ap01\_C315T

683 sequences assigned  
680 (99.6%) exact matches, in which:  
675 unique CDR3  
13 unique J



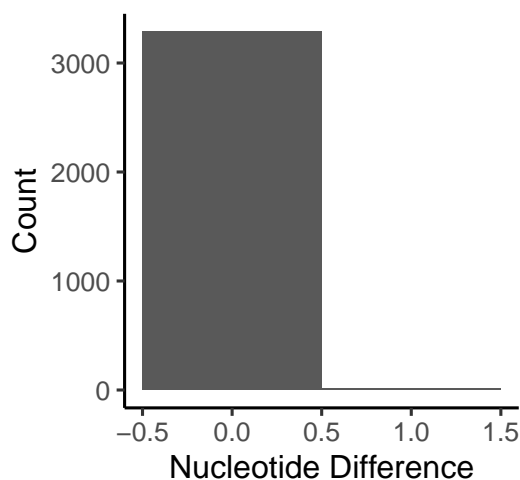
### TRBV7-9\*ap01

13346 sequences assigned  
13260 (99.4%) exact matches, in which:  
13094 unique CDR3  
13 unique J



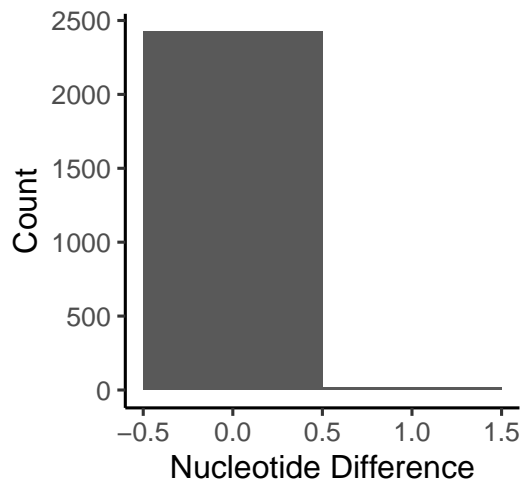
### TRBV7-6\*ap01

3303 sequences assigned  
3287 (99.5%) exact matches, in which:  
3232 unique CDR3  
13 unique J



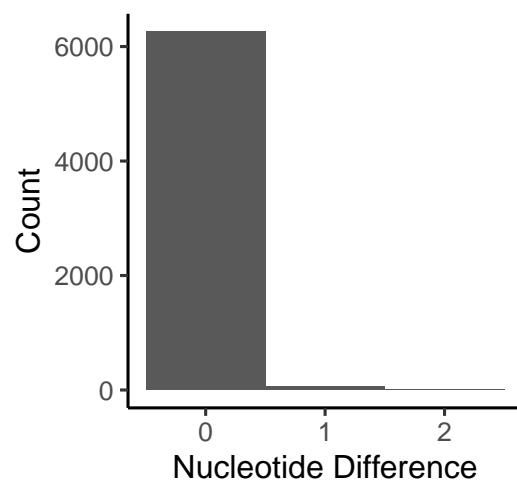
### TRBV7-8\*ap01

2438 sequences assigned  
2424 (99.4%) exact matches, in which:  
2399 unique CDR3  
13 unique J



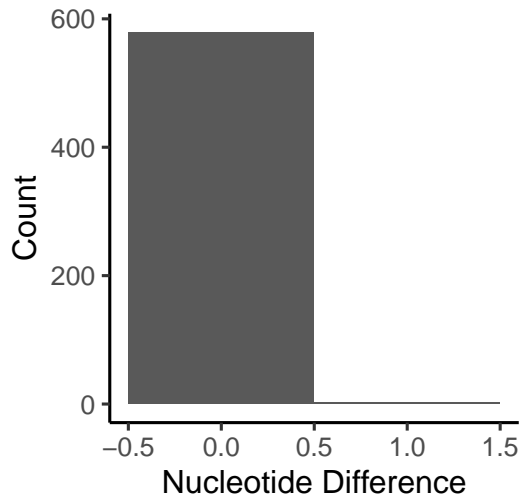
### TRBV29-1\*ap01

6326 sequences assigned  
6259 (98.9%) exact matches, in which:  
6090 unique CDR3  
13 unique J



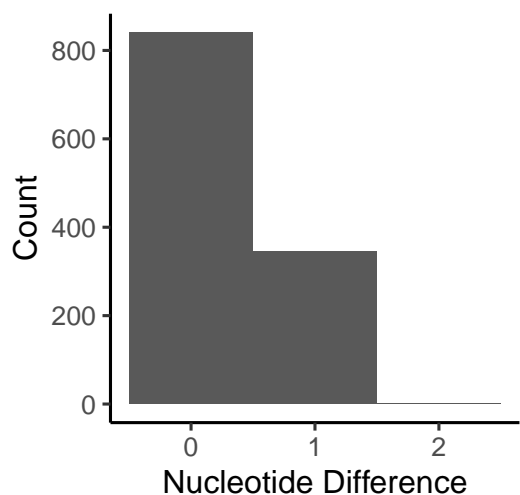
### TRBV7-7\*ap01

582 sequences assigned  
579 (99.5%) exact matches, in which:  
574 unique CDR3  
13 unique J



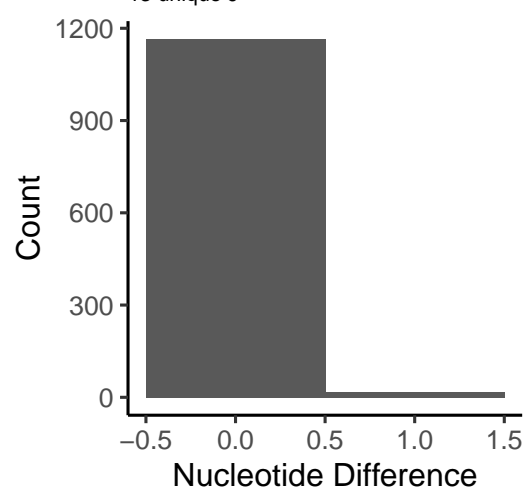
### TRBV7-8\*ap03

1189 sequences assigned  
841 (70.7%) exact matches, in which:  
834 unique CDR3  
13 unique J

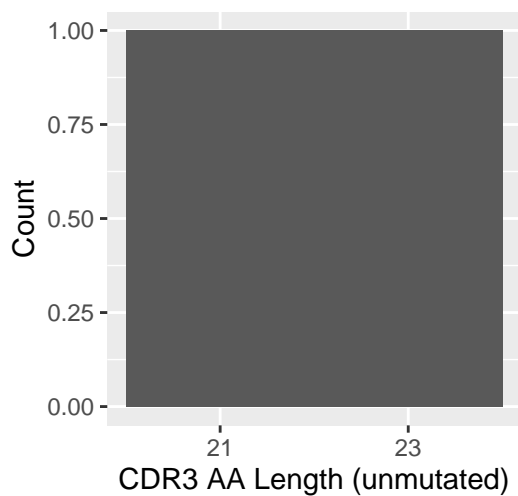


### TRBV29-1\*ap02

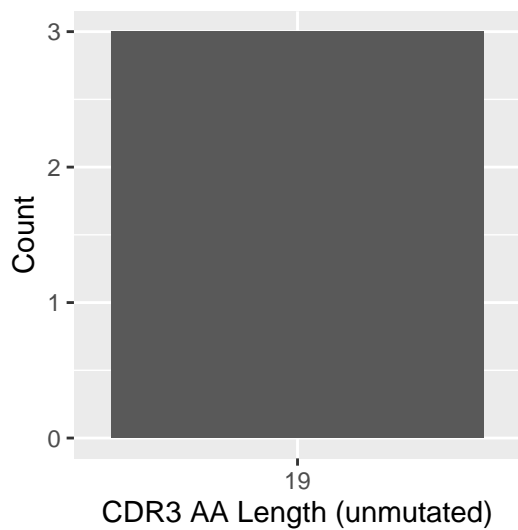
1183 sequences assigned  
1165 (98.5%) exact matches, in which:  
1143 unique CDR3  
13 unique J



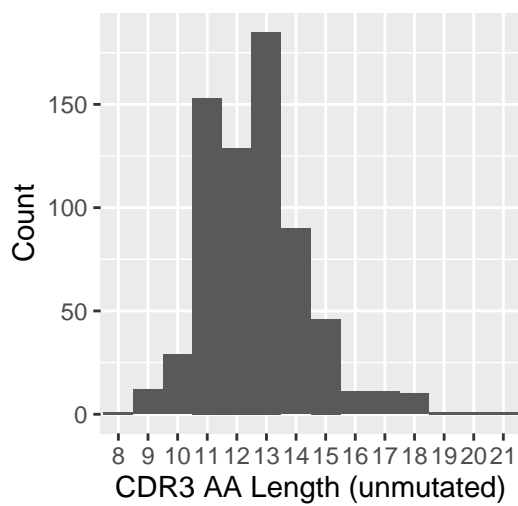
TRBV7-1\*ap01\_T296C



TRBV7-1\*ap01\_T296C\_C314T



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.