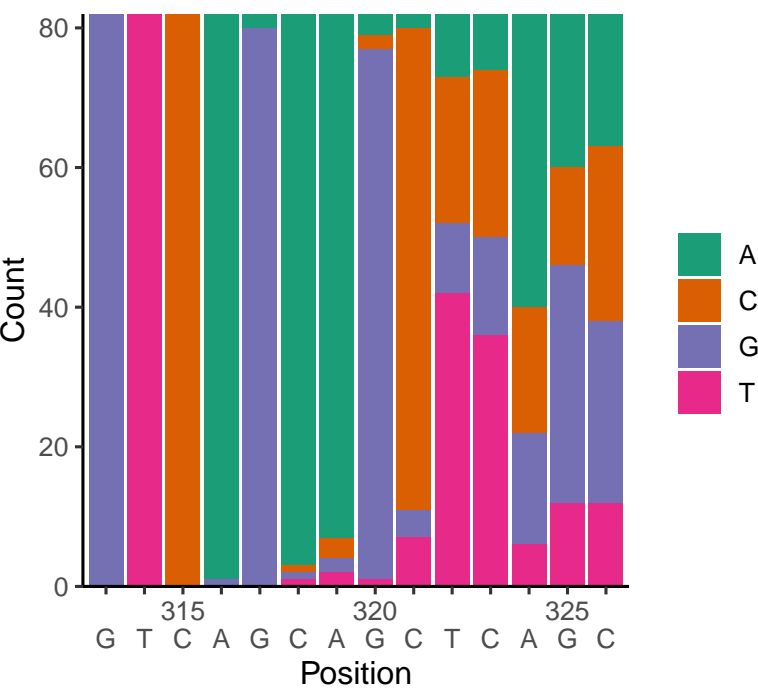
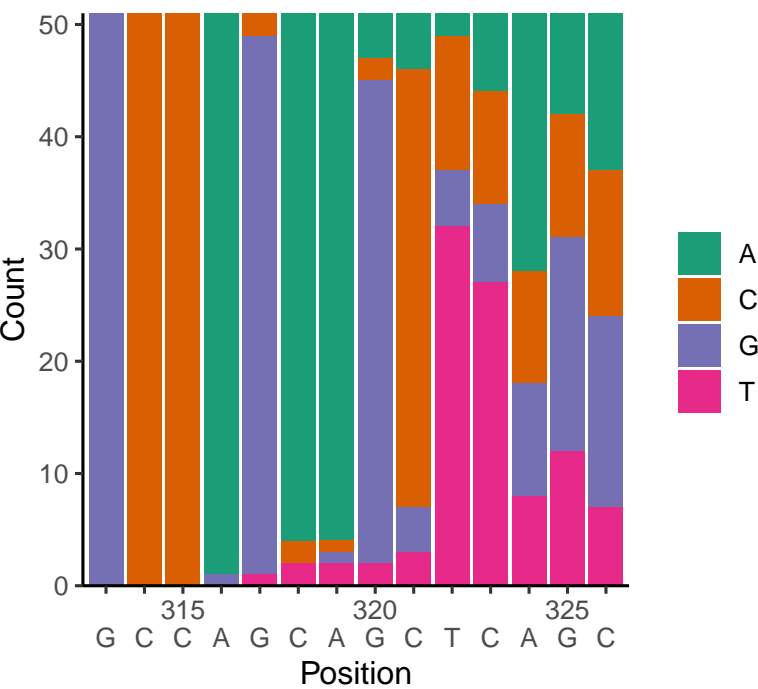


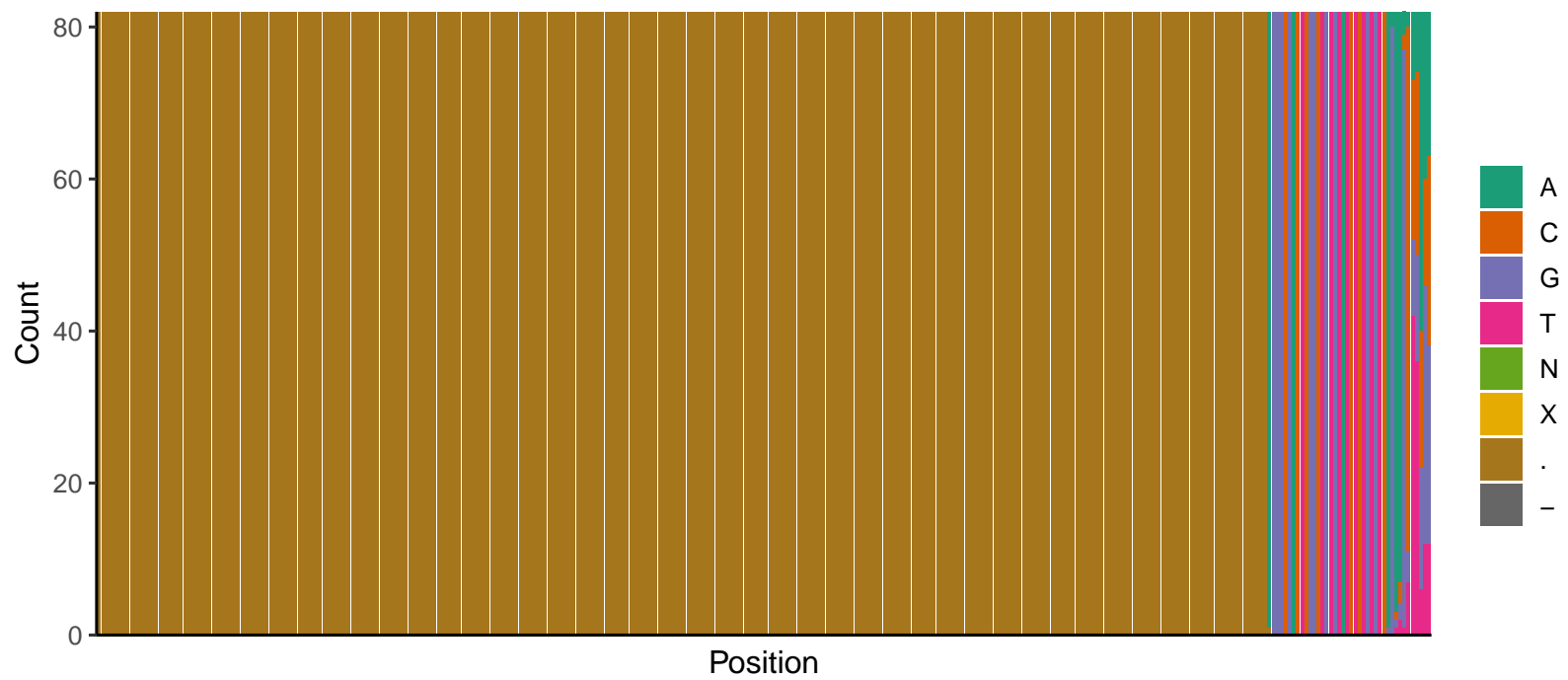
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



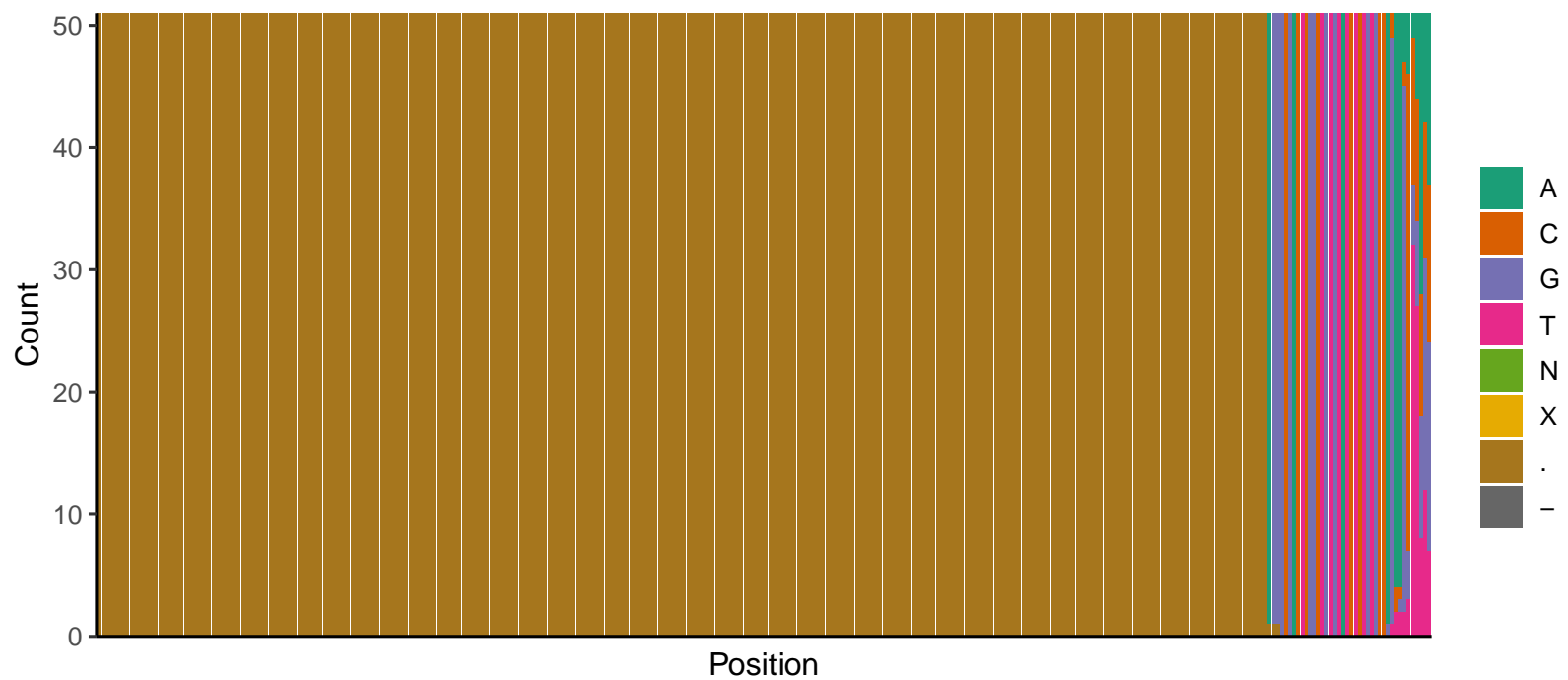
Gene TRBV7-1\*ap01\_G291C\_T296C



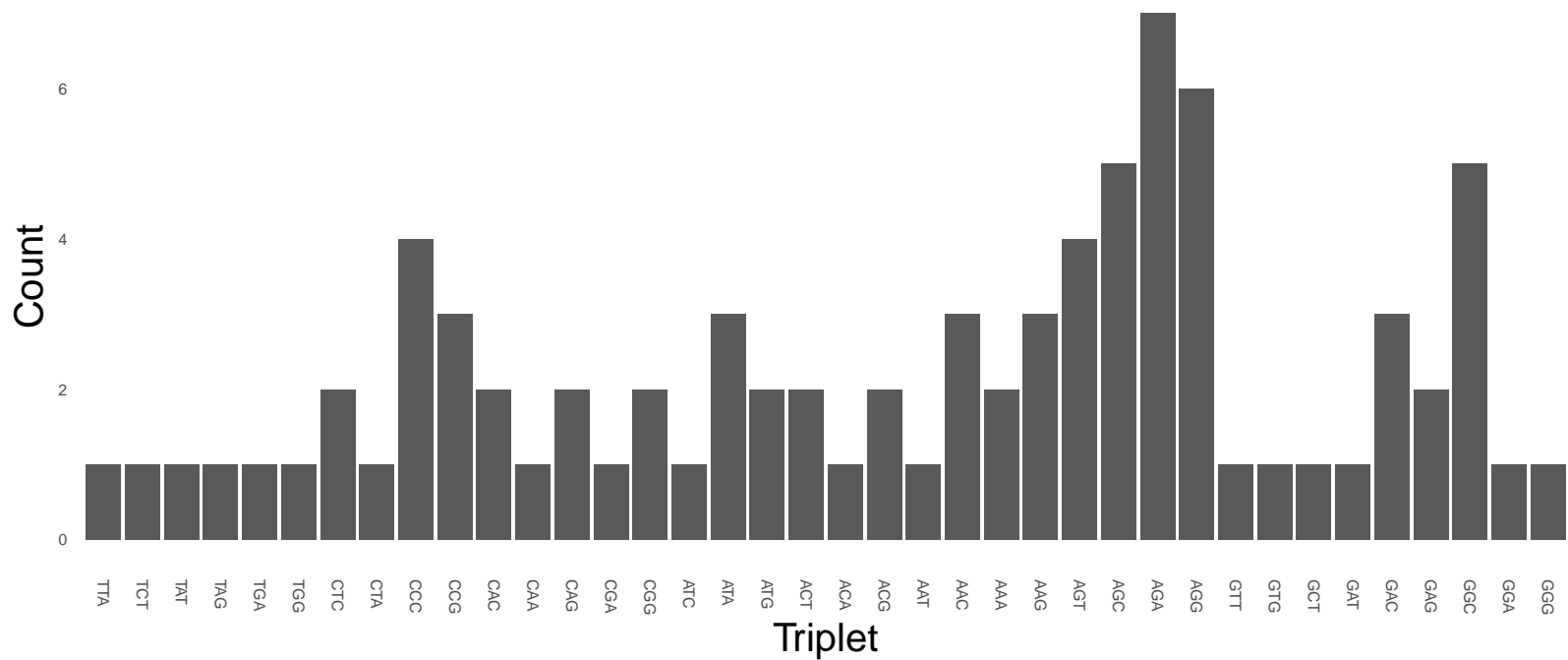
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



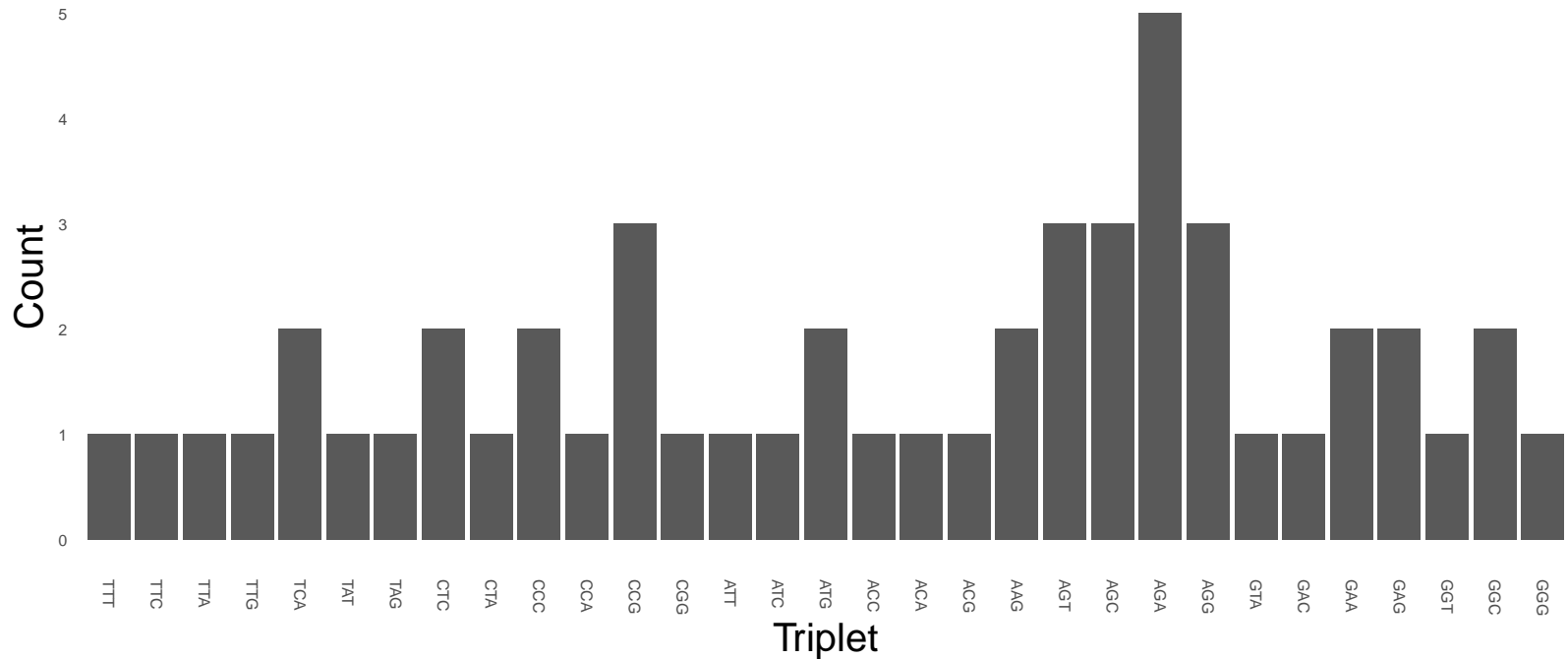
Gene TRBV7-1\*ap01\_G291C\_T296C



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

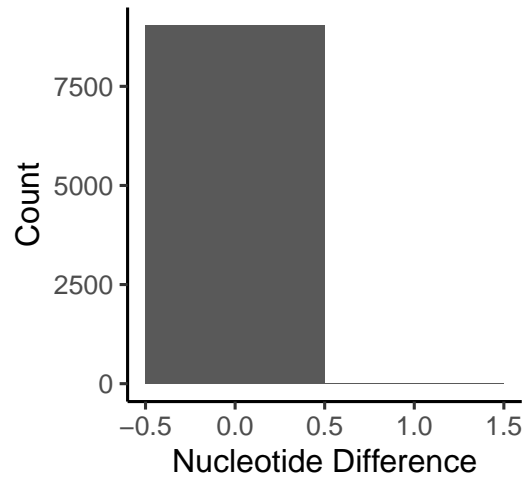


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



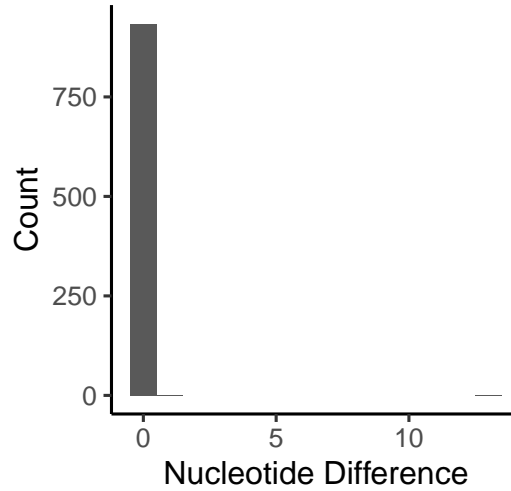
### TRBV20-1\*ap01

9054 sequences assigned  
9037 (99.8%) exact matches, in which:  
9031 unique CDR3  
13 unique J



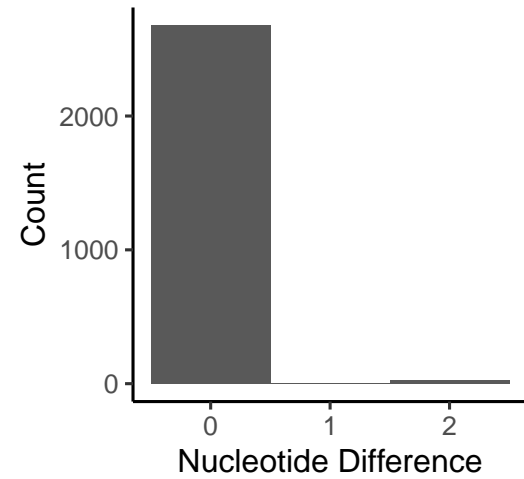
### TRBV10-2\*ap01

936 sequences assigned  
934 (99.8%) exact matches, in which:  
933 unique CDR3  
13 unique J



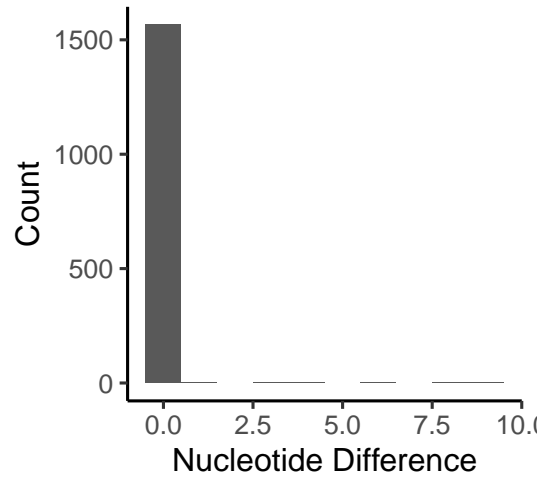
### TRBV13\*ap01

2703 sequences assigned  
2677 (99%) exact matches, in which:  
2675 unique CDR3  
13 unique J



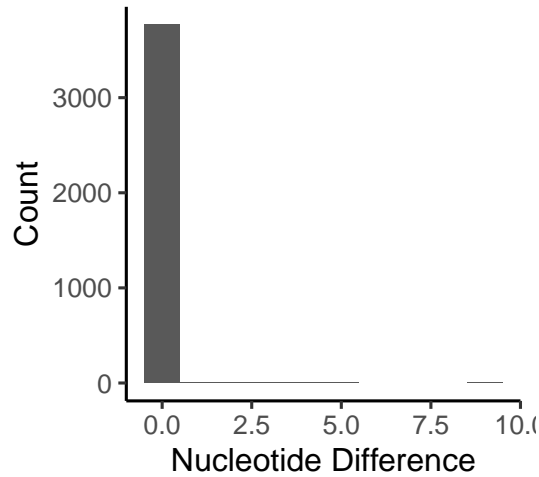
### TRBV10-1\*ap01

1574 sequences assigned  
1566 (99.5%) exact matches, in which:  
1566 unique CDR3  
13 unique J



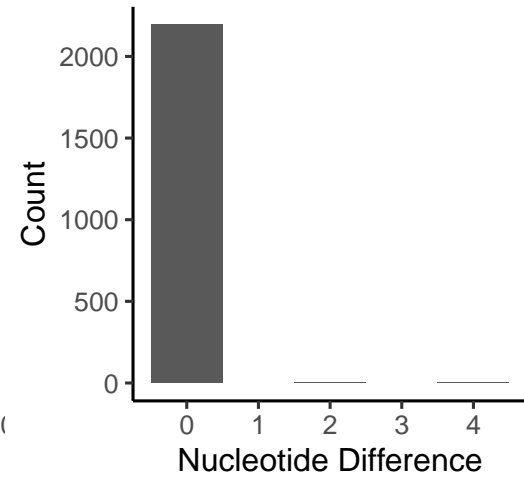
### TRBV10-3\*ap01

3783 sequences assigned  
3767 (99.6%) exact matches, in which:  
3766 unique CDR3  
13 unique J



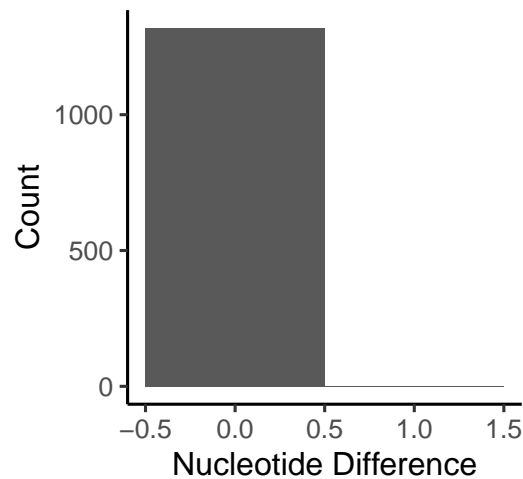
### TRBV14\*ap01

2196 sequences assigned  
2194 (99.9%) exact matches, in which:  
2193 unique CDR3  
13 unique J



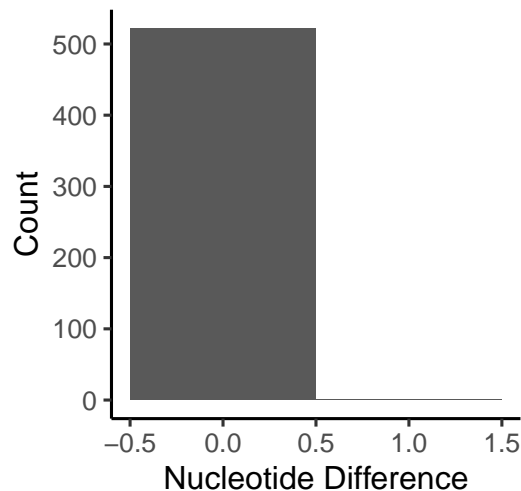
### TRBV20-1\*ap02

1321 sequences assigned  
1319 (99.8%) exact matches, in which:  
1317 unique CDR3  
13 unique J



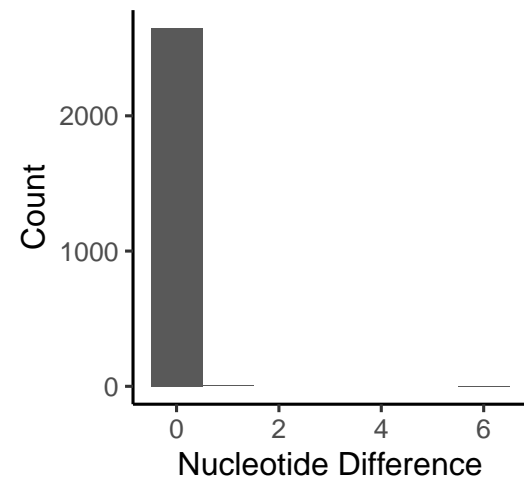
### TRBV1\*ap01

523 sequences assigned  
522 (99.8%) exact matches, in which:  
522 unique CDR3  
13 unique J



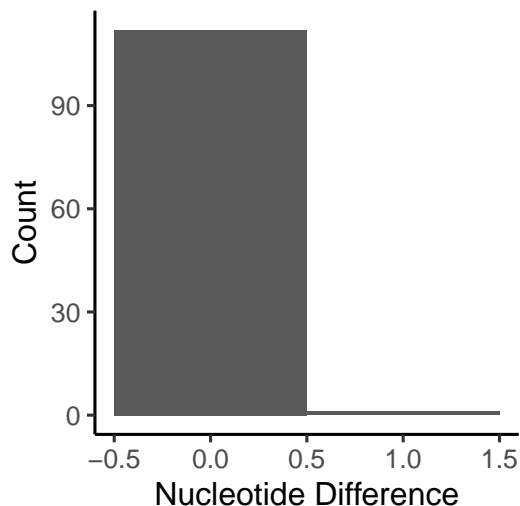
### TRBV15\*ap02

2655 sequences assigned  
2649 (99.8%) exact matches, in which:  
2642 unique CDR3  
13 unique J



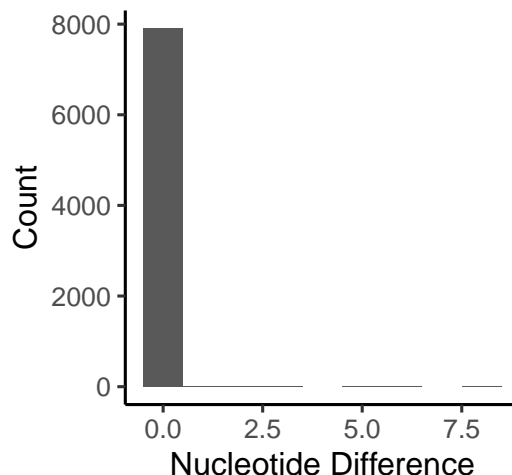
### TRBV16\*ap01

113 sequences assigned  
112 (99.1%) exact matches, in which:  
112 unique CDR3  
12 unique J



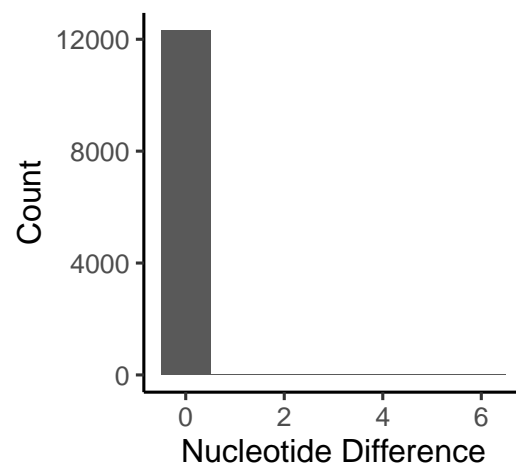
### TRBV19\*ap01

7926 sequences assigned  
7906 (99.7%) exact matches, in which:  
7905 unique CDR3  
13 unique J



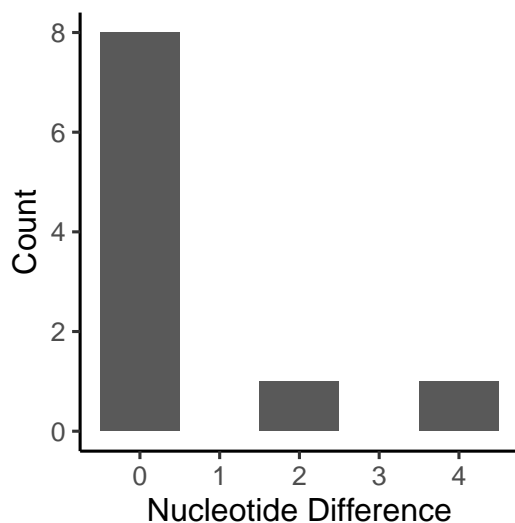
### TRBV27\*ap01

12360 sequences assigned  
12326 (99.7%) exact matches, in which:  
12295 unique CDR3  
13 unique J



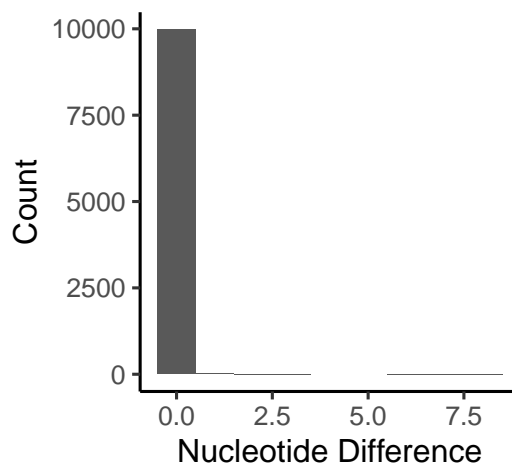
### TRBV17\*ap01

10 sequences assigned  
8 (80%) exact matches, in which:  
8 unique CDR3  
4 unique J



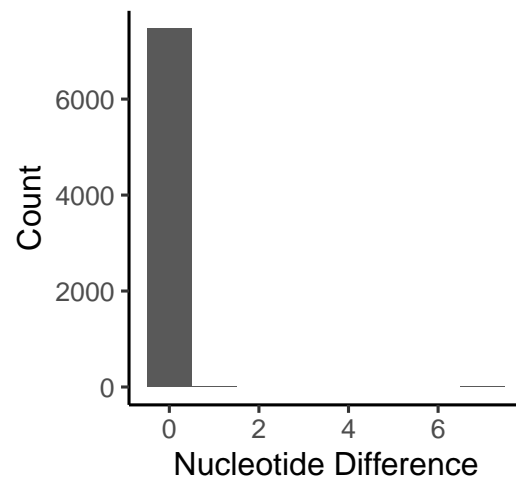
### TRBV2\*ap01

10009 sequences assigned  
9981 (99.7%) exact matches, in which:  
9966 unique CDR3  
13 unique J



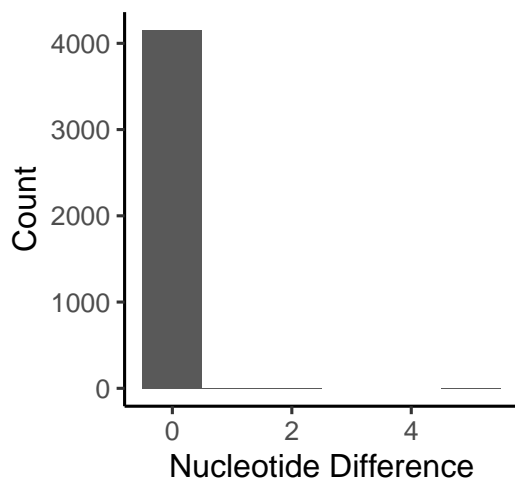
### TRBV28\*ap01

7488 sequences assigned  
7467 (99.7%) exact matches, in which:  
7466 unique CDR3  
13 unique J



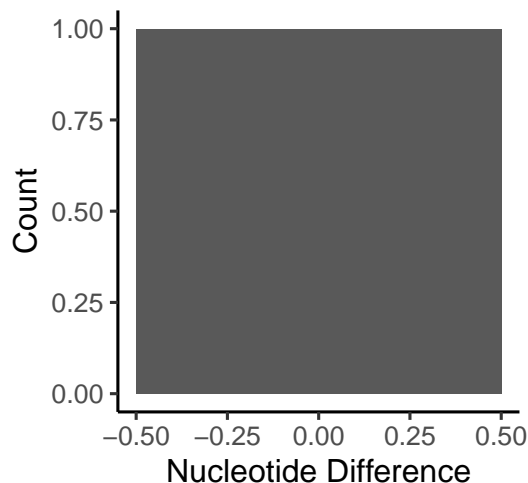
### TRBV18\*ap01

4160 sequences assigned  
4154 (99.9%) exact matches, in which:  
4154 unique CDR3  
13 unique J



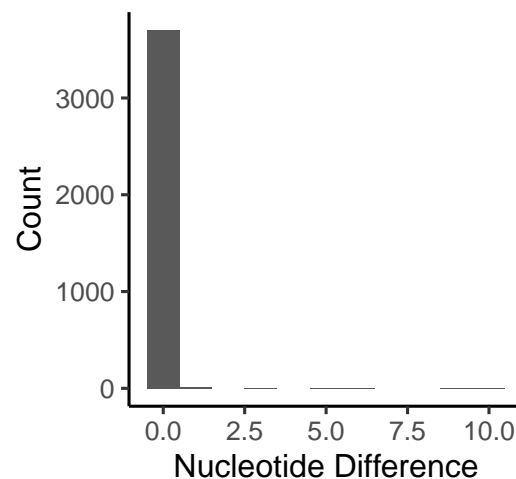
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



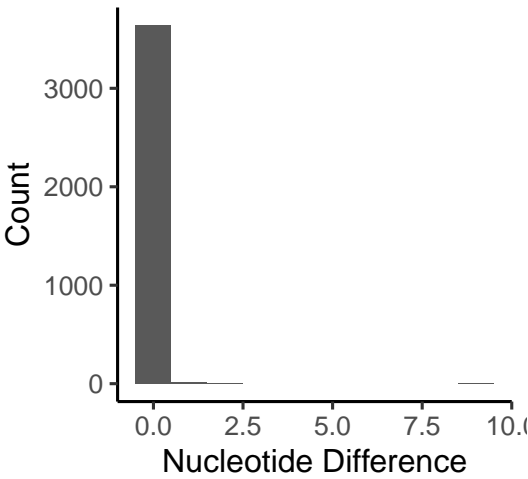
### TRBV30\*ap01

3720 sequences assigned  
3702 (99.5%) exact matches, in which:  
3695 unique CDR3  
13 unique J



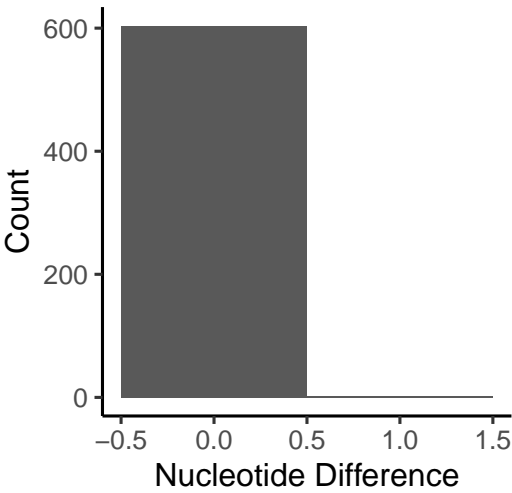
TRBV30\*ap02

3660 sequences assigned  
3639 (99.4%) exact matches, in which:  
3631 unique CDR3  
13 unique J



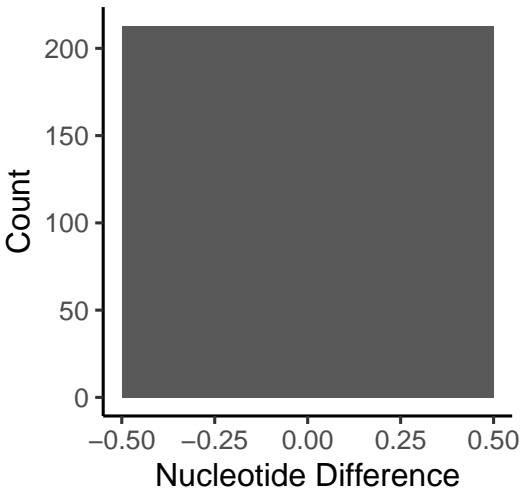
TRBV11-1\*ap01

606 sequences assigned  
604 (99.7%) exact matches, in which:  
604 unique CDR3  
13 unique J



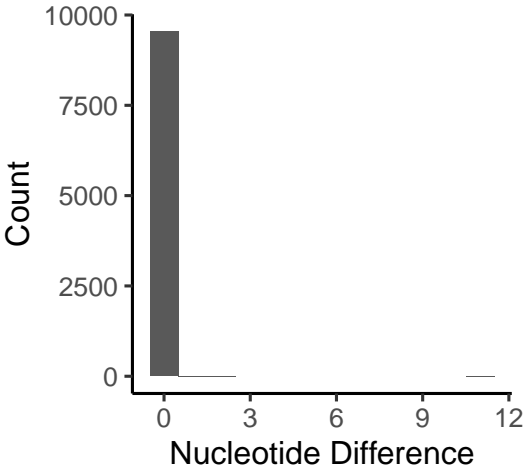
TRBV12-1\*ap01

213 sequences assigned  
213 (100%) exact matches, in which:  
213 unique CDR3  
13 unique J



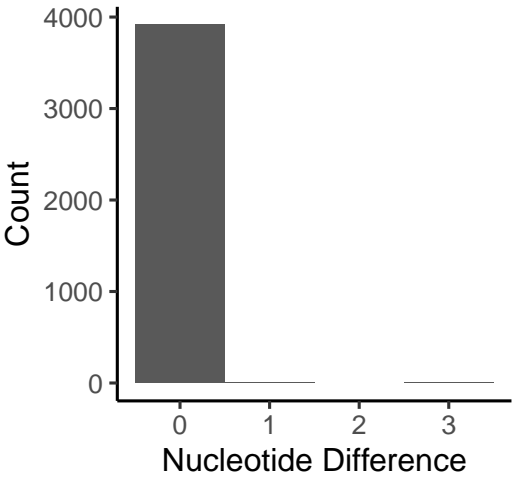
TRBV9\*ap01

9558 sequences assigned  
9544 (99.9%) exact matches, in which:  
9538 unique CDR3  
13 unique J



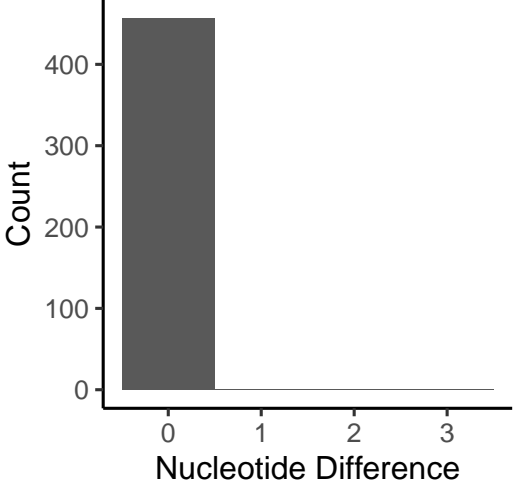
TRBV11-2\*ap01

3918 sequences assigned  
3916 (99.9%) exact matches, in which:  
3916 unique CDR3  
13 unique J



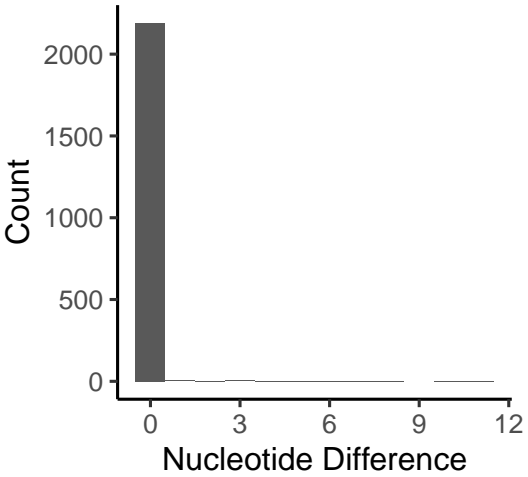
TRBV12-2\*ap01

460 sequences assigned  
457 (99.3%) exact matches, in which:  
457 unique CDR3  
13 unique J



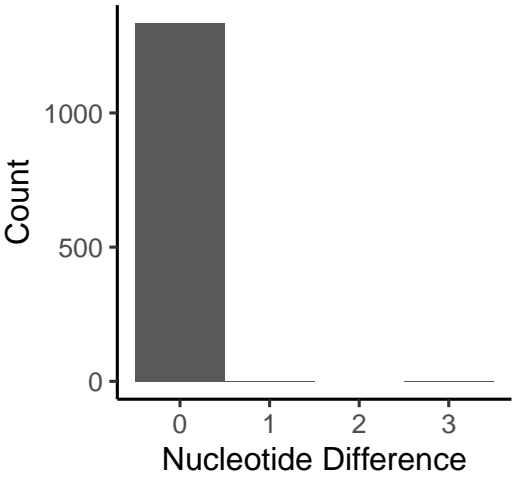
TRBV21-1\*ap01

2214 sequences assigned  
2190 (98.9%) exact matches, in which:  
2188 unique CDR3  
13 unique J



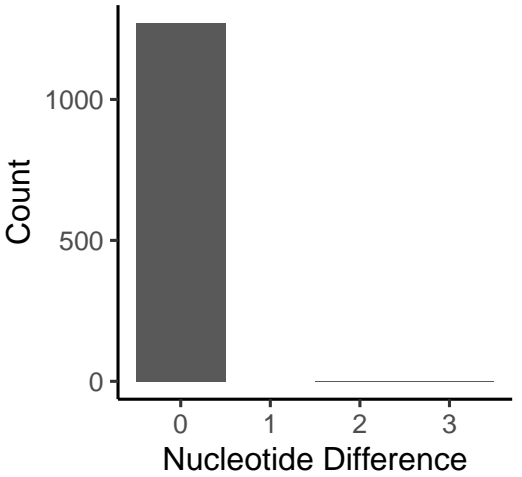
TRBV11-3\*ap01

1337 sequences assigned  
1335 (99.9%) exact matches, in which:  
1335 unique CDR3  
13 unique J



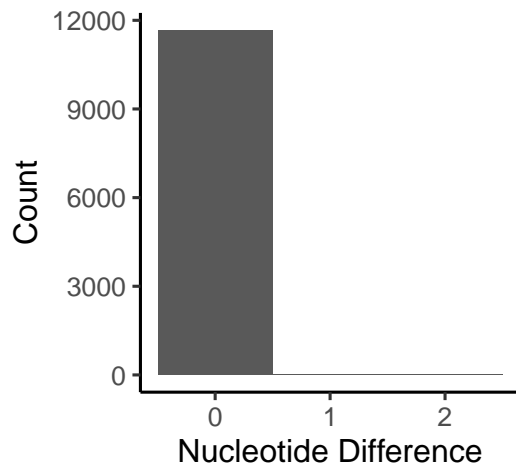
TRBV12-5\*ap01

1274 sequences assigned  
1271 (99.8%) exact matches, in which:  
1271 unique CDR3  
13 unique J



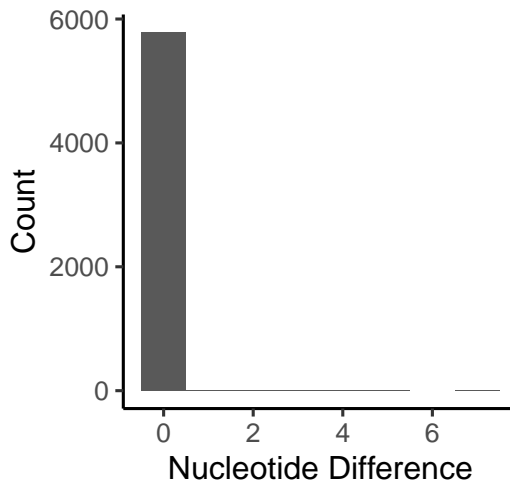
### TRBV12-34\*ap01

11687 sequences assigned  
11667 (99.8%) exact matches, in which:  
11663 unique CDR3  
13 unique J



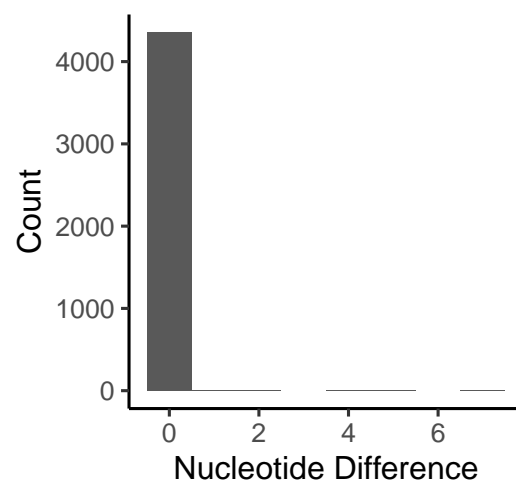
### TRBV24-1\*ap01

5809 sequences assigned  
5784 (99.6%) exact matches, in which:  
5772 unique CDR3  
13 unique J



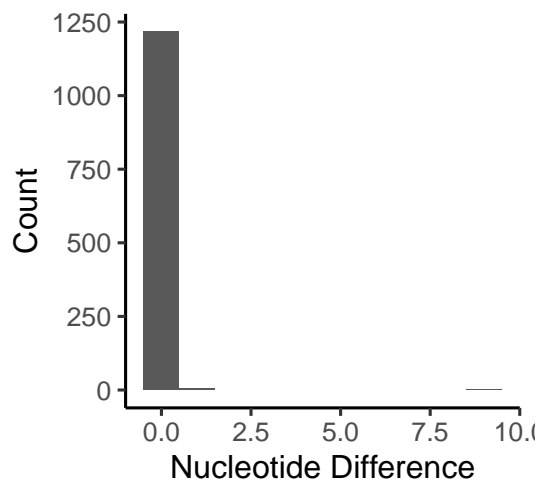
### TRBV25-1\*ap01

4368 sequences assigned  
4355 (99.7%) exact matches, in which:  
4342 unique CDR3  
13 unique J



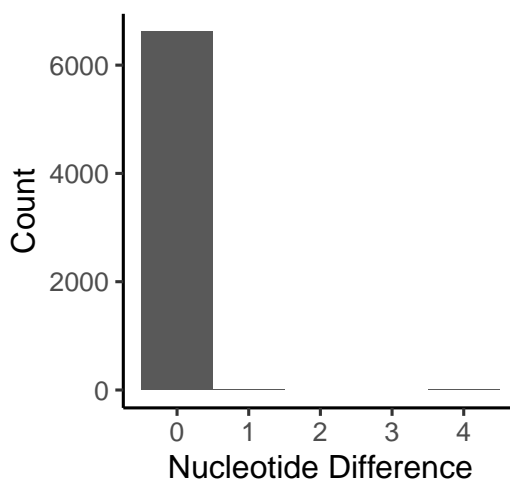
### TRBV23-1\*ap01

1222 sequences assigned  
1217 (99.6%) exact matches, in which:  
1217 unique CDR3  
13 unique J



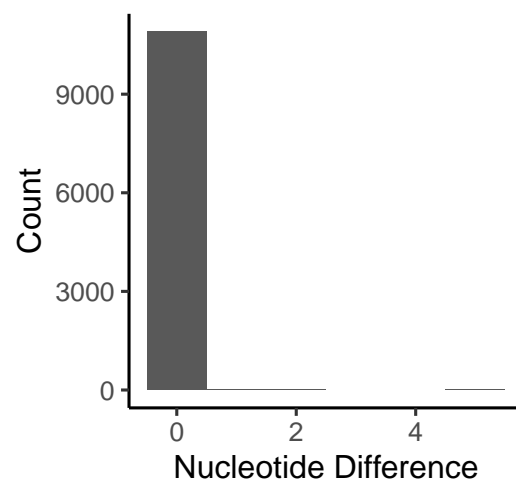
### TRBV4-1\*ap01

6628 sequences assigned  
6617 (99.8%) exact matches, in which:  
6617 unique CDR3  
13 unique J



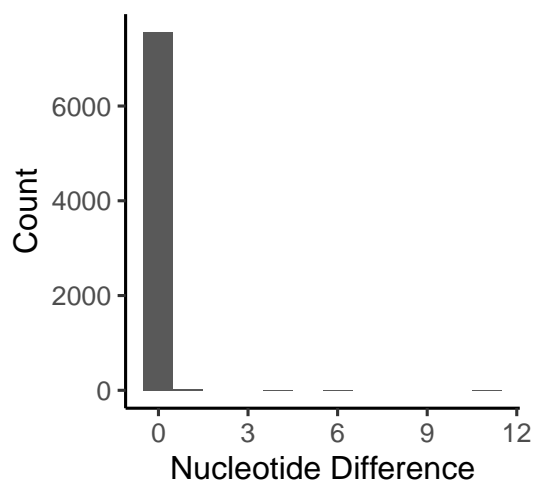
### TRBV5-1\*ap01

10917 sequences assigned  
10900 (99.8%) exact matches, in which:  
10880 unique CDR3  
13 unique J



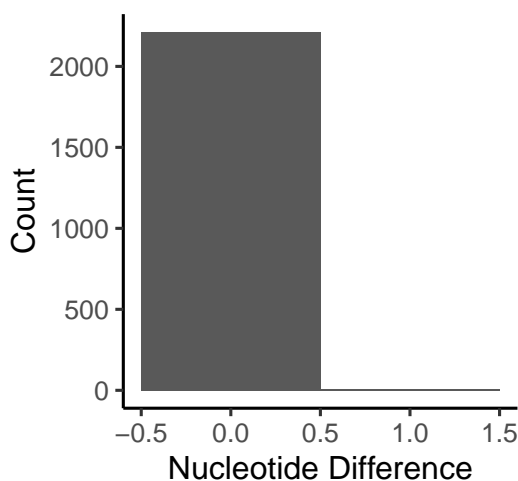
### TRBV3-12\*ap01

7587 sequences assigned  
7561 (99.7%) exact matches, in which:  
7544 unique CDR3  
13 unique J



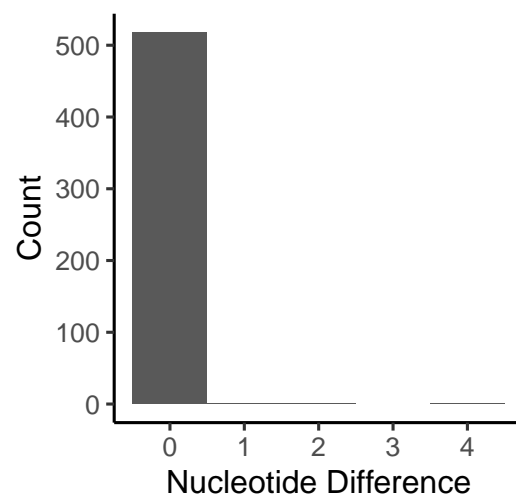
### TRBV4-2\*ap01

2221 sequences assigned  
2212 (99.6%) exact matches, in which:  
2209 unique CDR3  
13 unique J



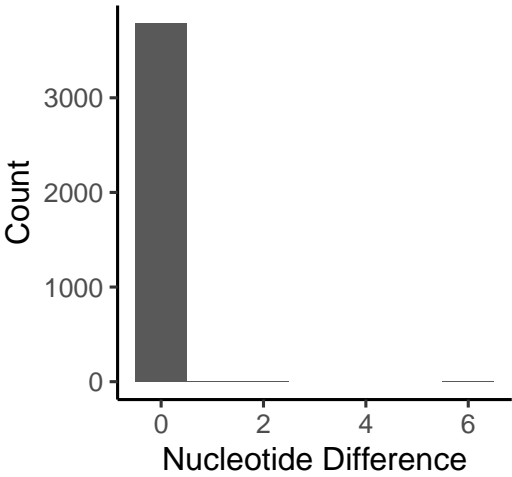
### TRBV5-3\*ap01

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



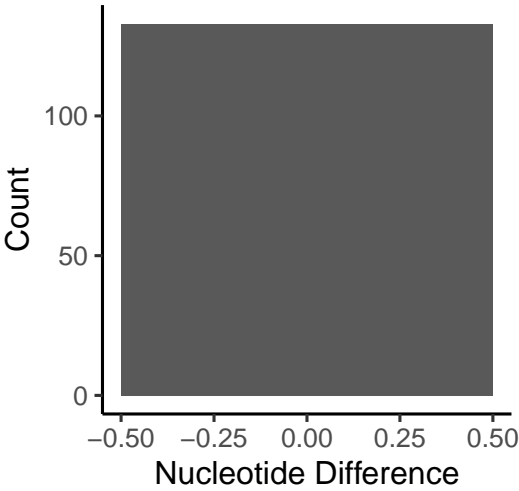
TRBV5-4\*ap01

3791 sequences assigned  
3786 (99.9%) exact matches, in which:  
3785 unique CDR3  
13 unique J



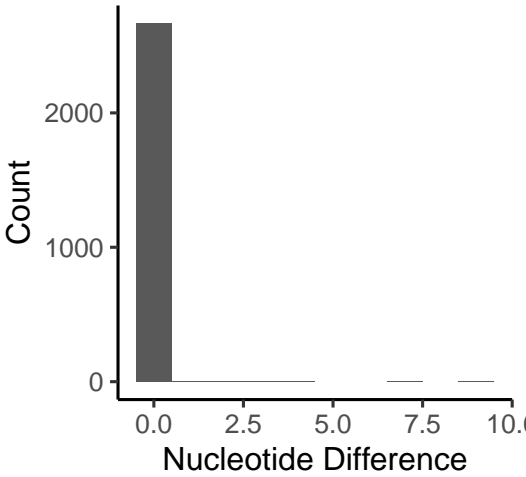
TRBV5-7\*ap01

133 sequences assigned  
133 (100%) exact matches, in which:  
133 unique CDR3  
13 unique J



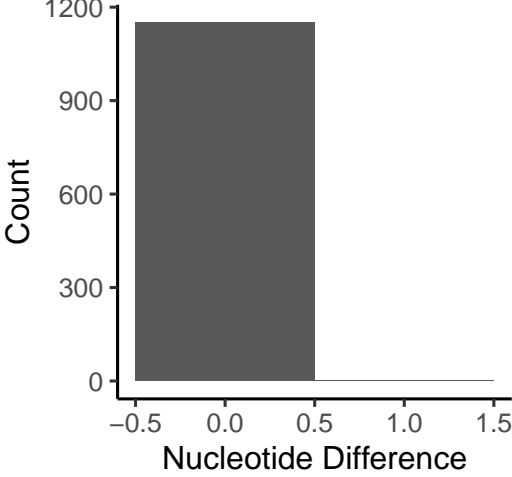
TRBV6-4\*ap01

2682 sequences assigned  
2666 (99.4%) exact matches, in which:  
2665 unique CDR3  
13 unique J



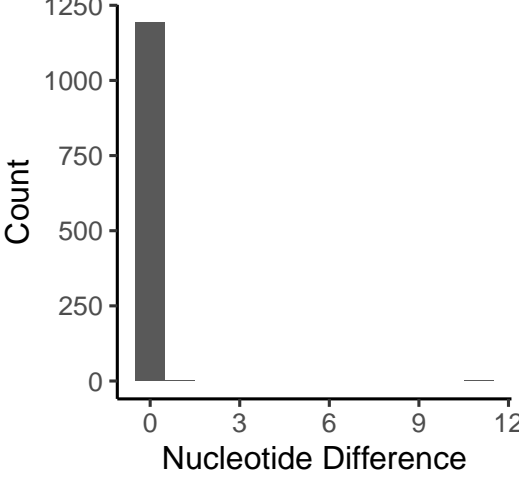
TRBV5-5\*ap01

1152 sequences assigned  
1150 (99.8%) exact matches, in which:  
1149 unique CDR3  
13 unique J



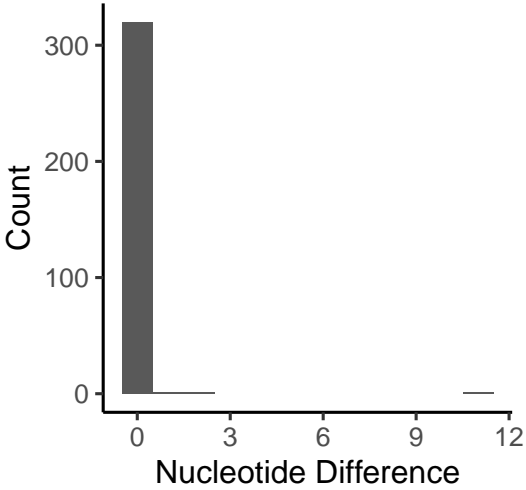
TRBV5-8\*ap01

1194 sequences assigned  
1192 (99.8%) exact matches, in which:  
1192 unique CDR3  
13 unique J



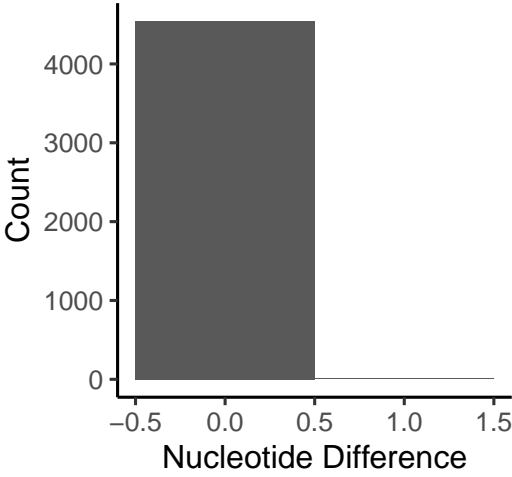
TRBV6-7\*ap01

323 sequences assigned  
320 (99.1%) exact matches, in which:  
320 unique CDR3  
13 unique J



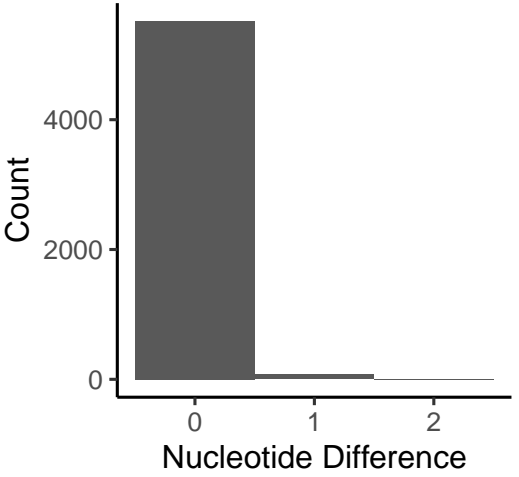
TRBV5-6\*ap01

4552 sequences assigned  
4544 (99.8%) exact matches, in which:  
4542 unique CDR3  
13 unique J



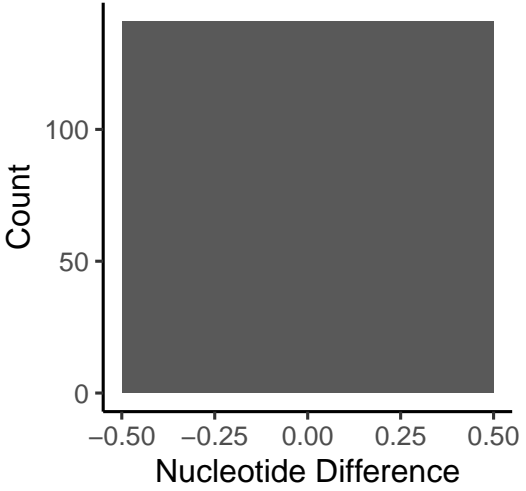
TRBV6-1\*ap01

5597 sequences assigned  
5520 (98.6%) exact matches, in which:  
5516 unique CDR3  
13 unique J



TRBV6-8\*ap01

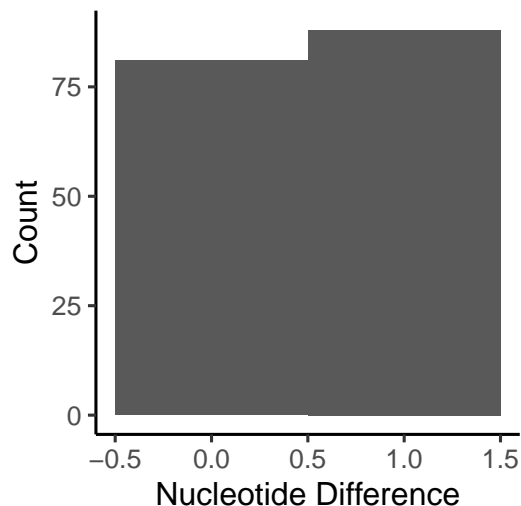
141 sequences assigned  
141 (100%) exact matches, in which:  
141 unique CDR3  
13 unique J





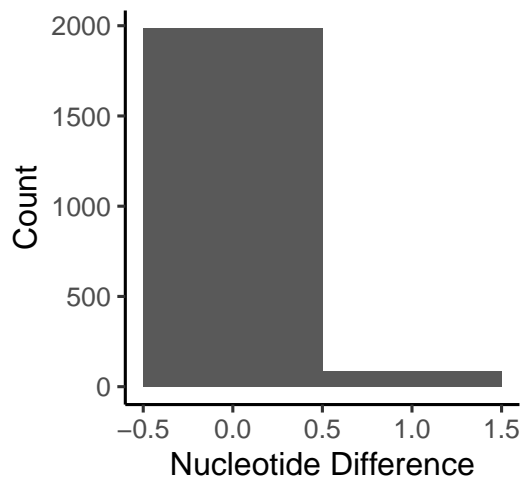
### TRBV6-9\*ap01

169 sequences assigned  
81 (47.9%) exact matches, in which:  
81 unique CDR3  
12 unique J



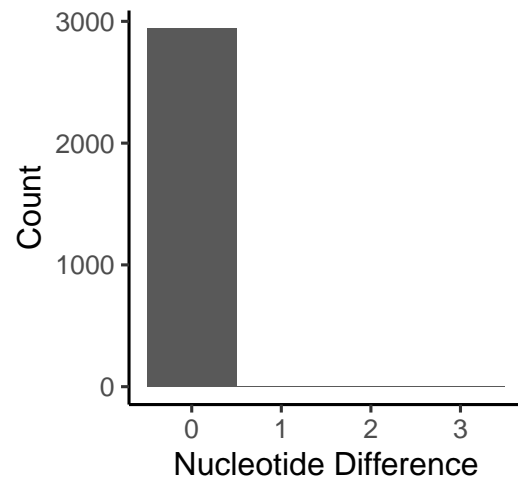
### TRBV6-56\*ap02

2072 sequences assigned  
1985 (95.8%) exact matches, in which:  
1980 unique CDR3  
13 unique J



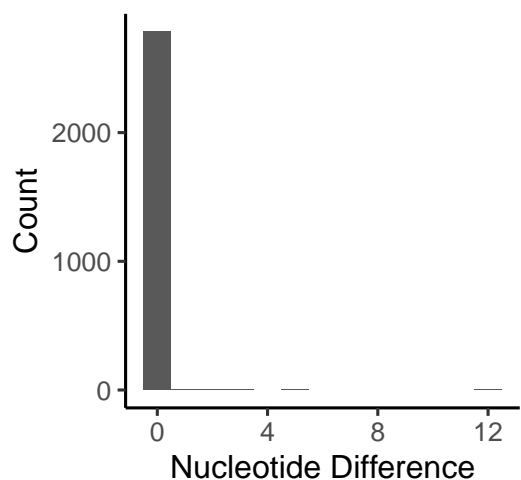
### TRBV7-2\*ap01

2948 sequences assigned  
2942 (99.8%) exact matches, in which:  
2942 unique CDR3  
13 unique J



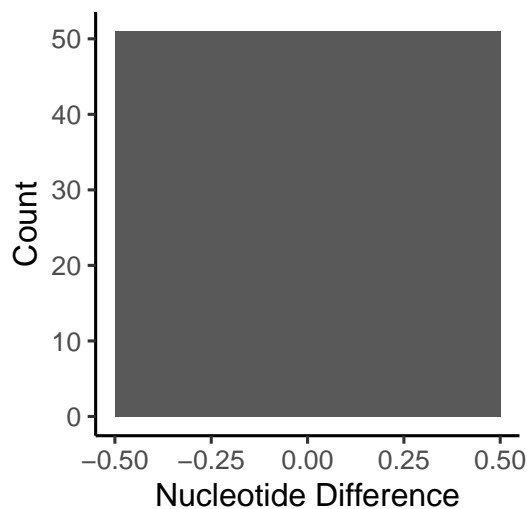
### TRBV6-23\*ap01

2791 sequences assigned  
2784 (99.7%) exact matches, in which:  
2783 unique CDR3  
13 unique J



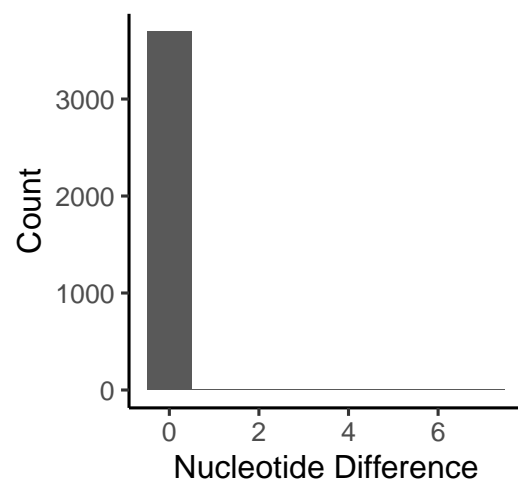
### TRBV7-1\*ap01\_G291C\_T

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



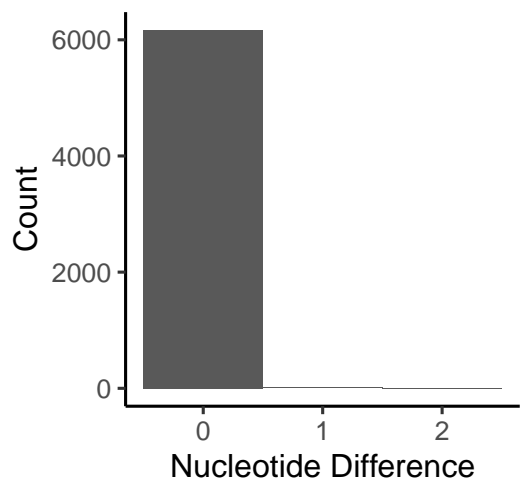
### TRBV7-3\*ap01

3710 sequences assigned  
3694 (99.6%) exact matches, in which:  
3691 unique CDR3  
13 unique J



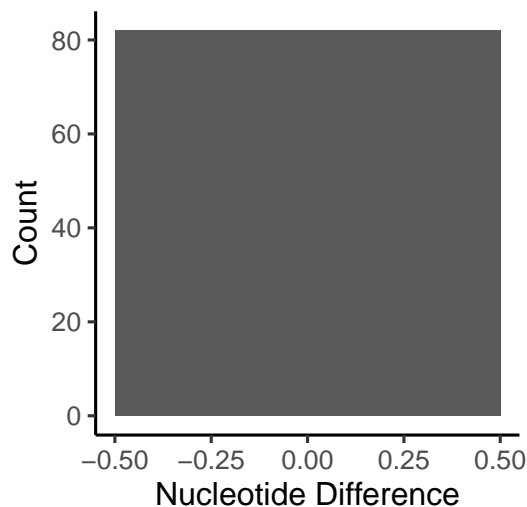
### TRBV6-56\*ap01

6185 sequences assigned  
6168 (99.7%) exact matches, in which:  
6166 unique CDR3  
13 unique J



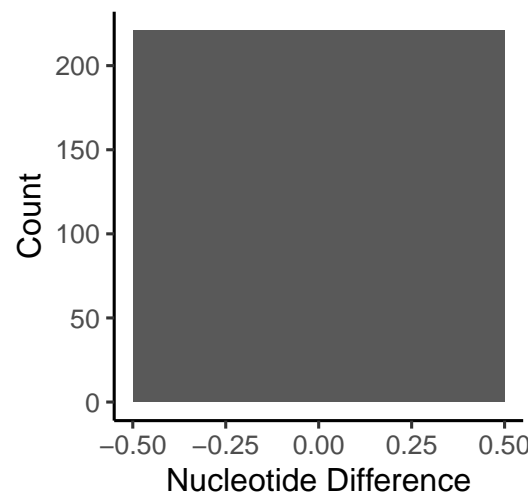
### TRBV7-1\*ap01\_G291C\_T

82 sequences assigned  
82 (100%) exact matches, in which:  
81 unique CDR3  
13 unique J



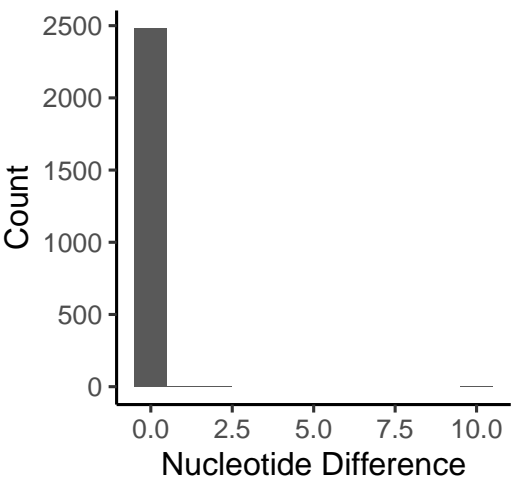
### TRBV7-4\*ap01

221 sequences assigned  
221 (100%) exact matches, in which:  
221 unique CDR3  
13 unique J



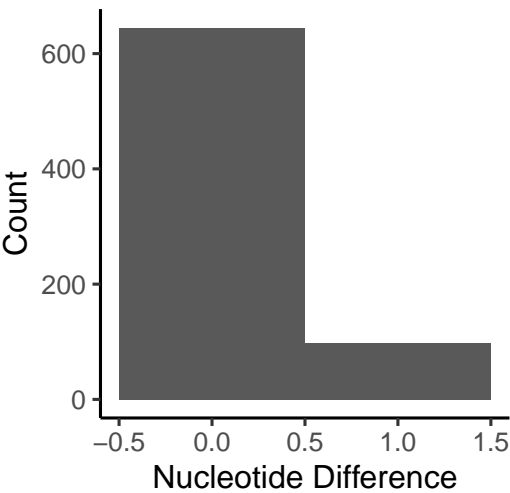
TRBV7-6\*ap01

2488 sequences assigned  
2481 (99.7%) exact matches, in which:  
2481 unique CDR3  
13 unique J



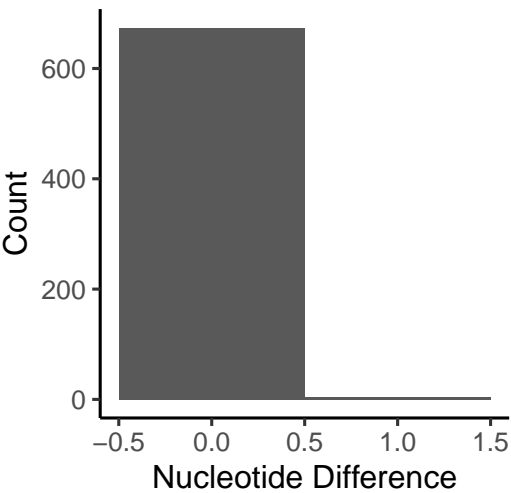
TRBV7-8\*ap03

743 sequences assigned  
645 (86.8%) exact matches, in which:  
645 unique CDR3  
13 unique J



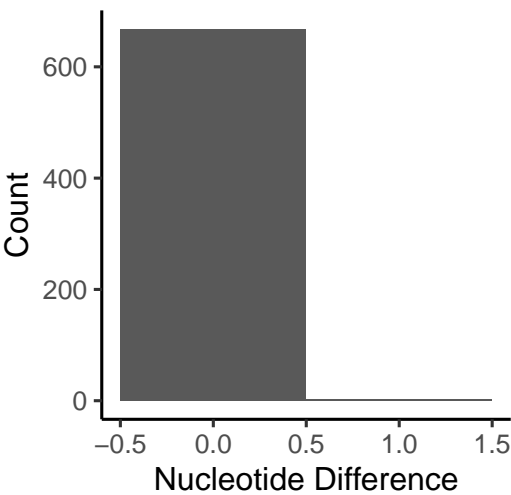
TRBV29-1\*ap02

678 sequences assigned  
674 (99.4%) exact matches, in which:  
673 unique CDR3  
13 unique J



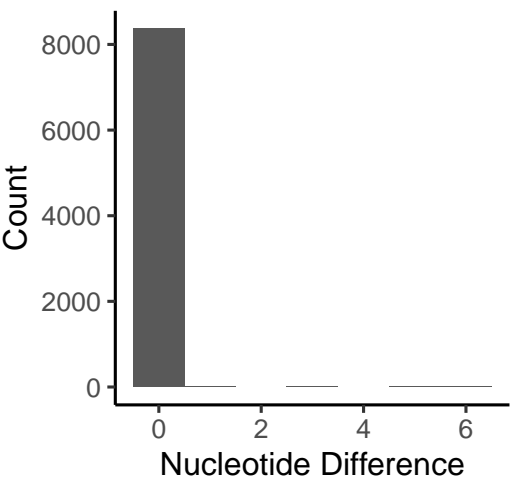
TRBV7-7\*ap01

670 sequences assigned  
668 (99.7%) exact matches, in which:  
667 unique CDR3  
13 unique J



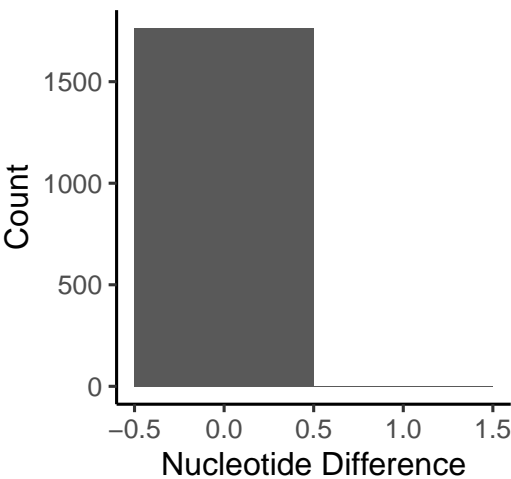
TRBV7-9\*ap01

8393 sequences assigned  
8367 (99.7%) exact matches, in which:  
8365 unique CDR3  
13 unique J



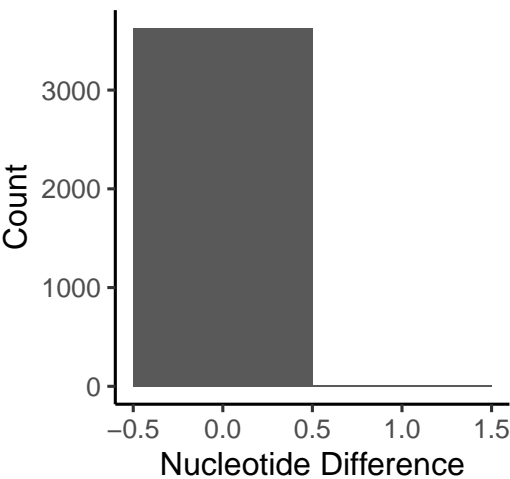
TRBV7-8\*ap01

1766 sequences assigned  
1764 (99.9%) exact matches, in which:  
1764 unique CDR3  
13 unique J

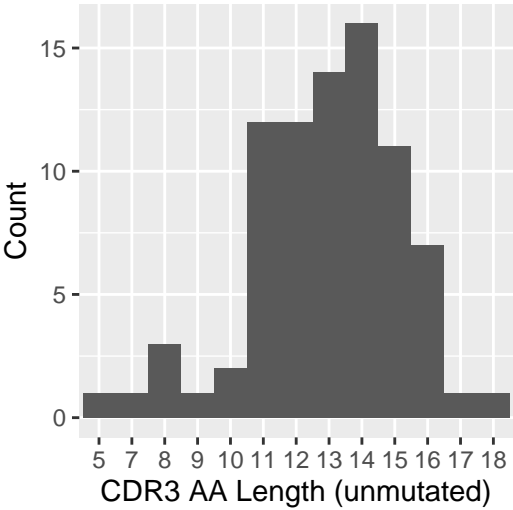


TRBV29-1\*ap01

3642 sequences assigned  
3628 (99.6%) exact matches, in which:  
3619 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C

