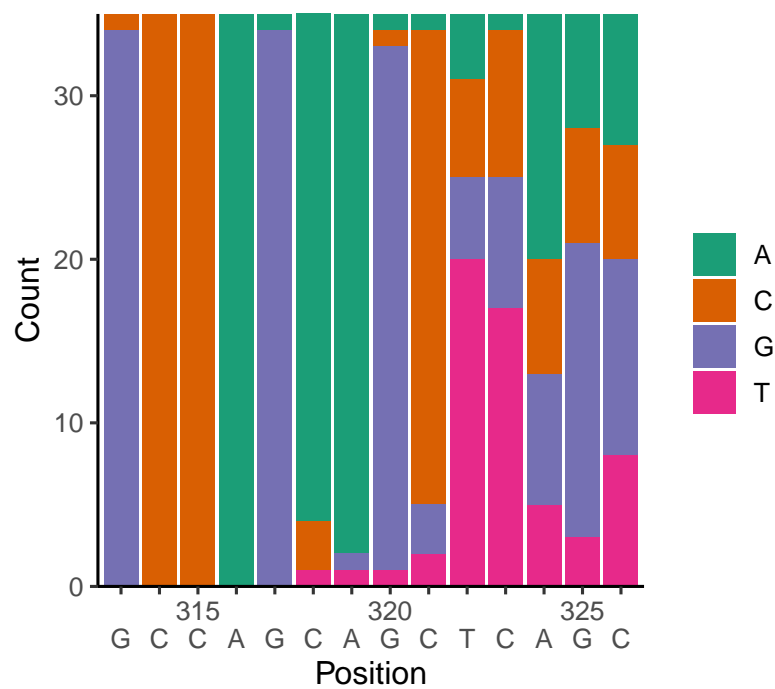
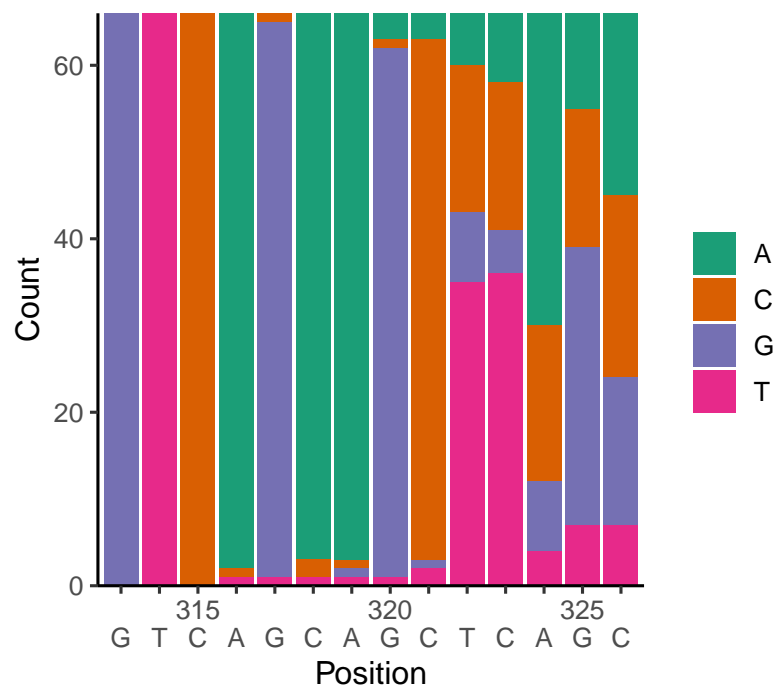


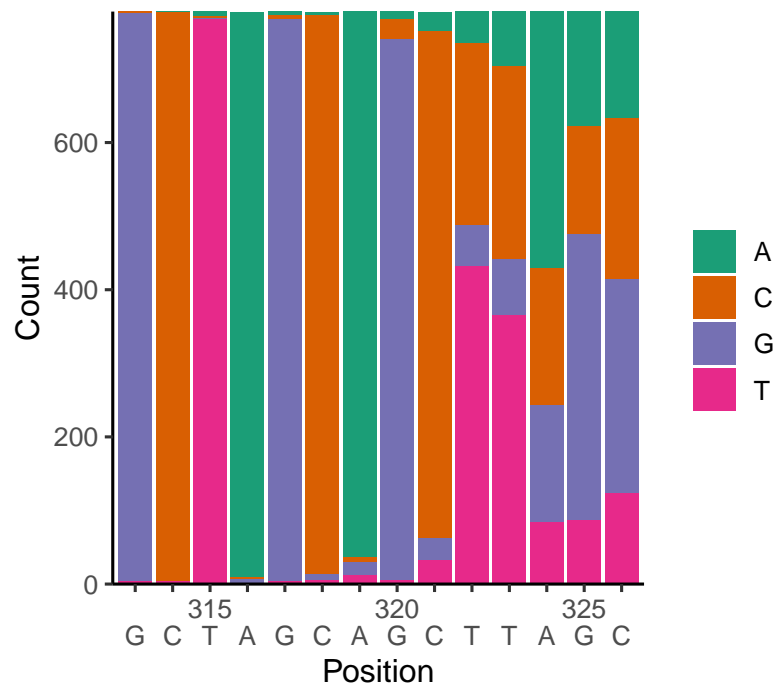
Gene TRBV7-1\*ap01\_G291C\_T296C



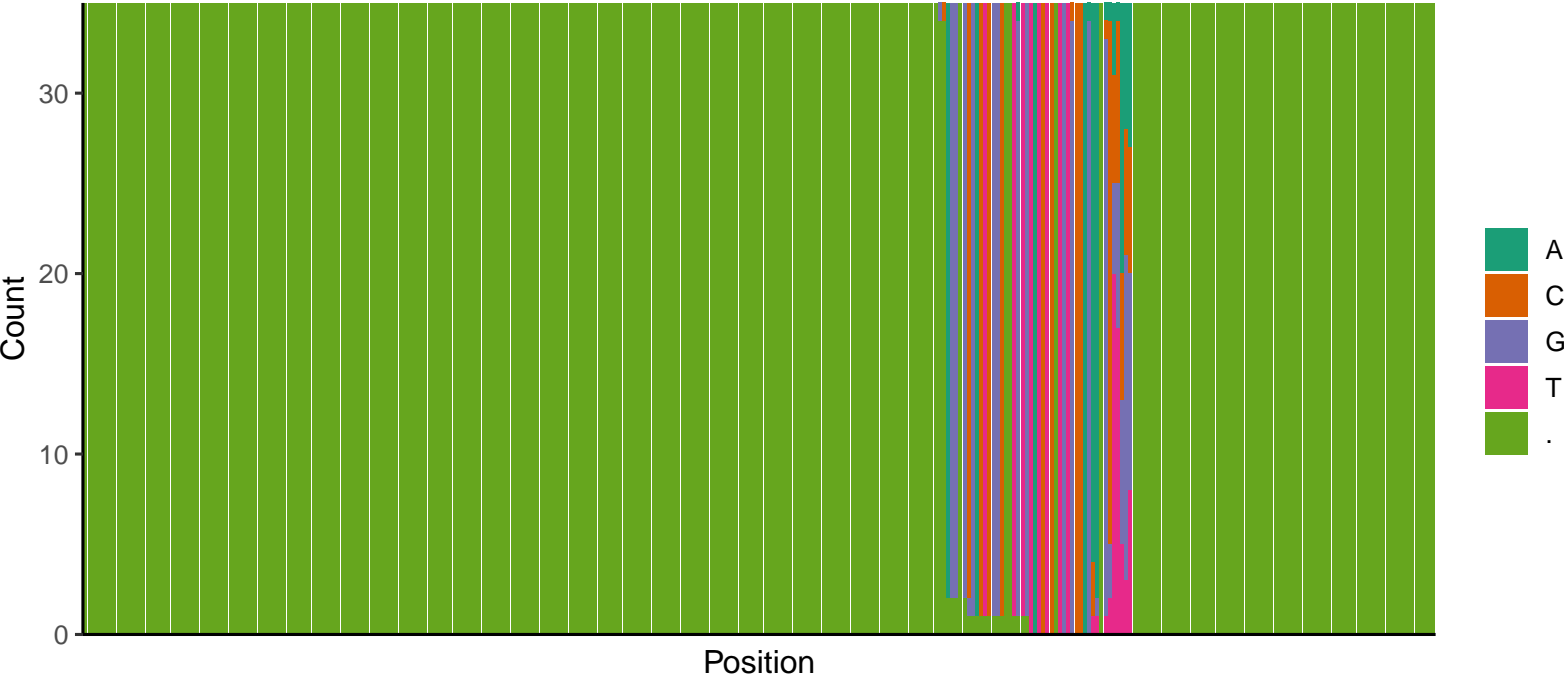
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-7\*ap01\_C315T



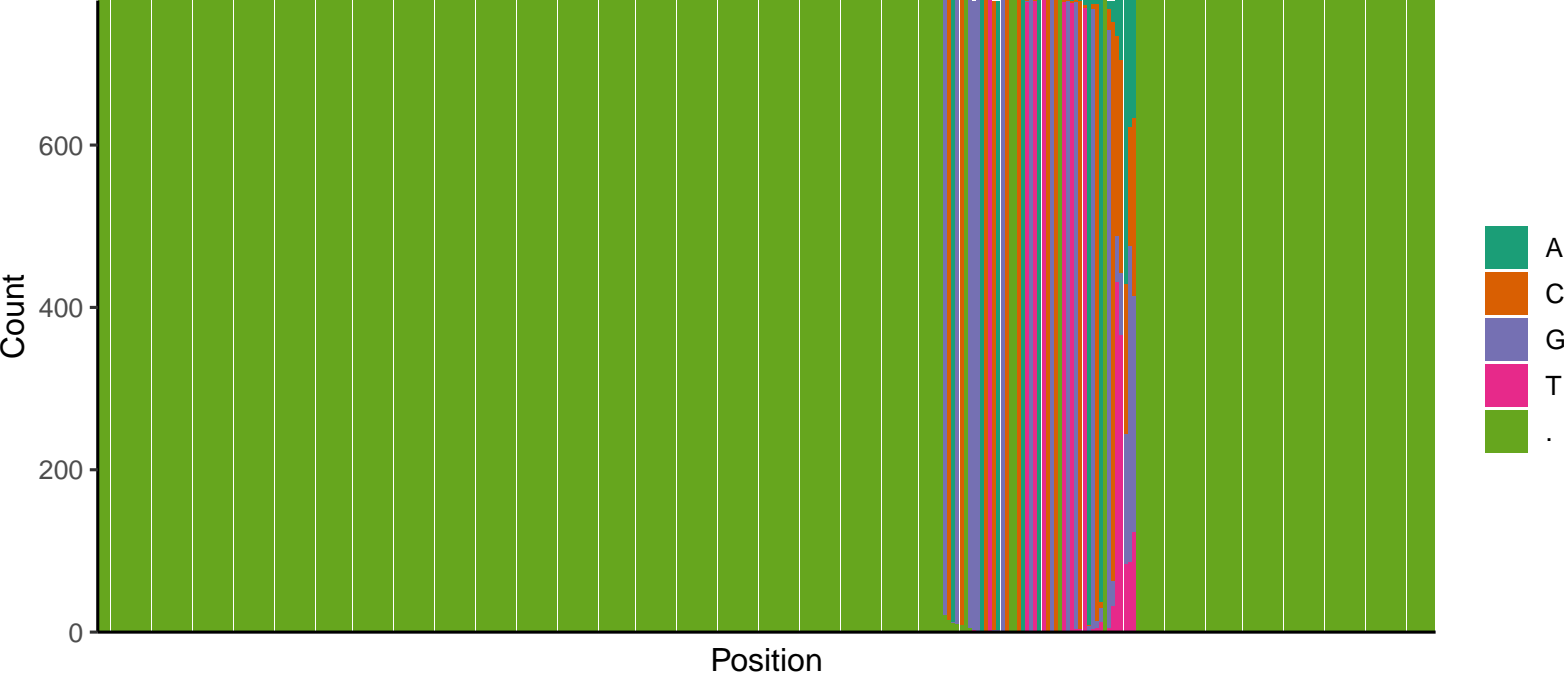
Gene TRBV7-1\*ap01\_G291C\_T296C



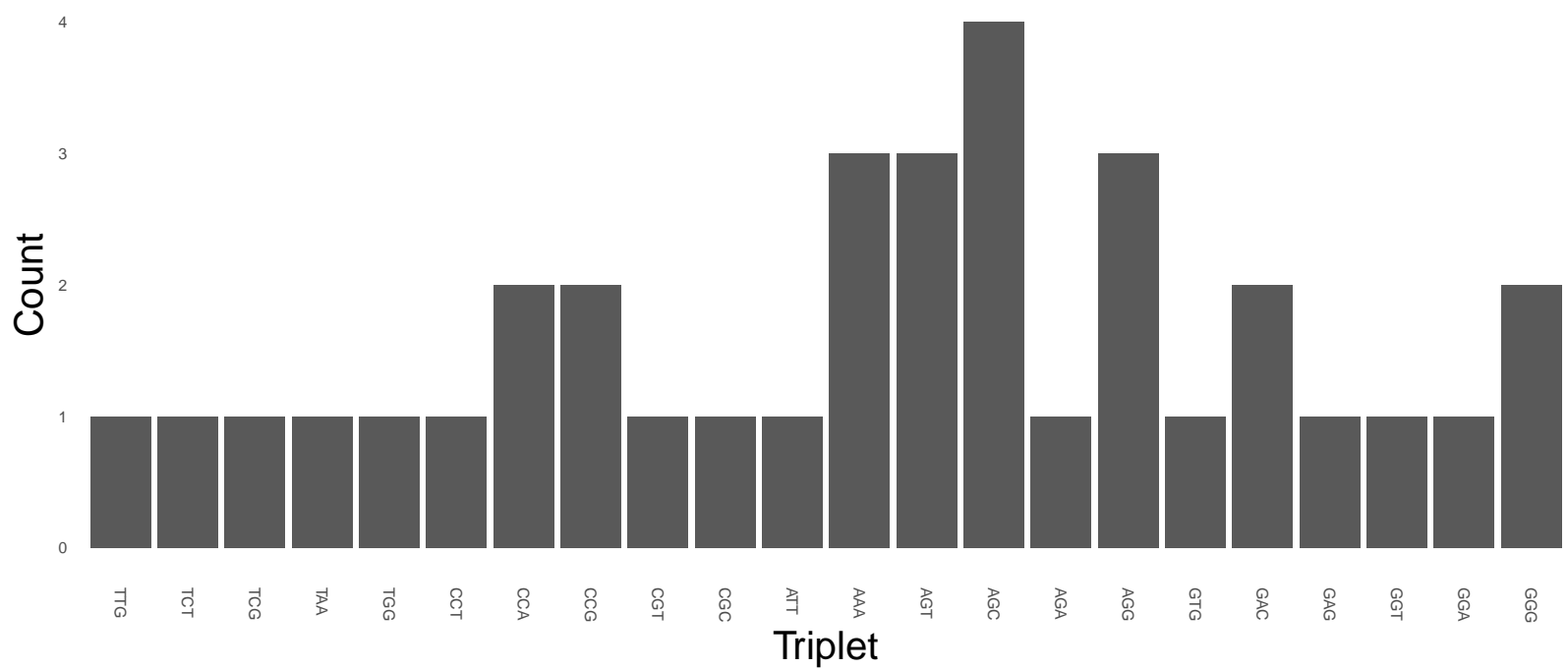
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



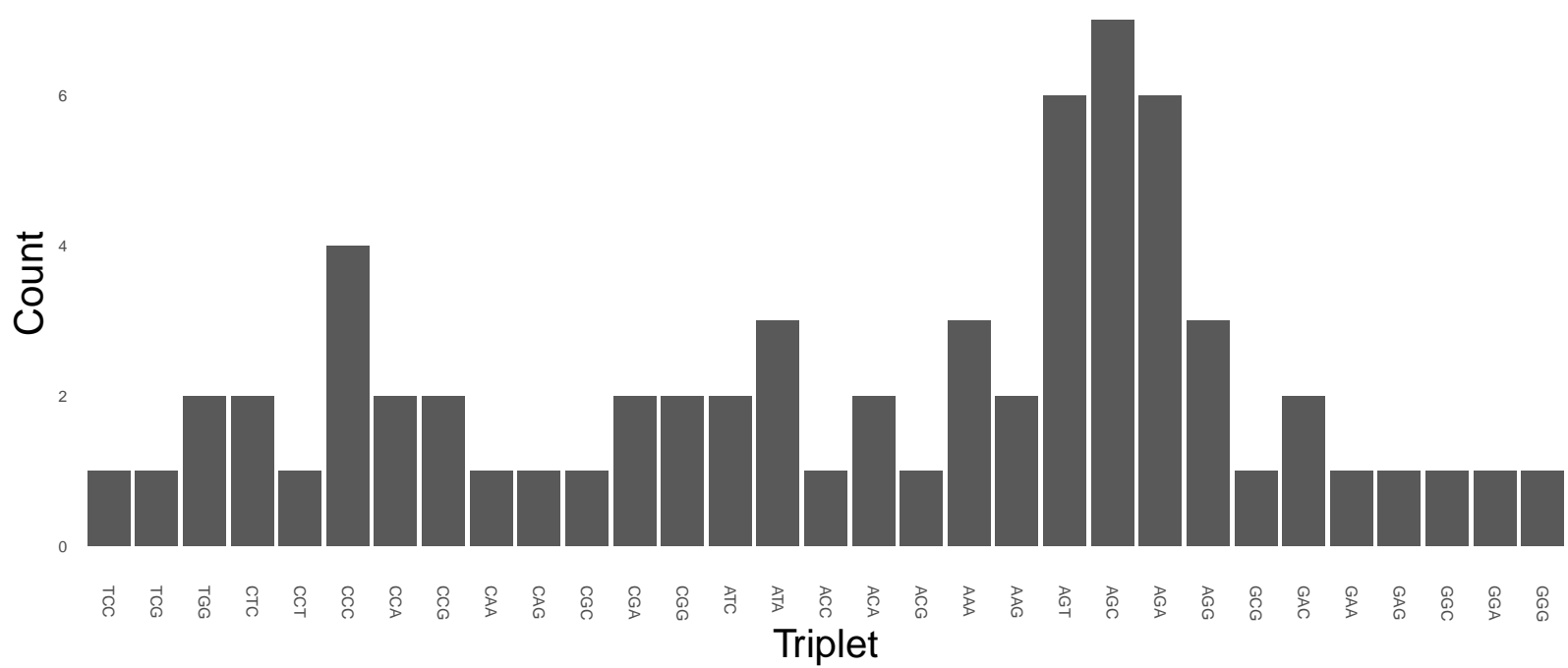
Gene TRBV7-7\*ap01\_C315T



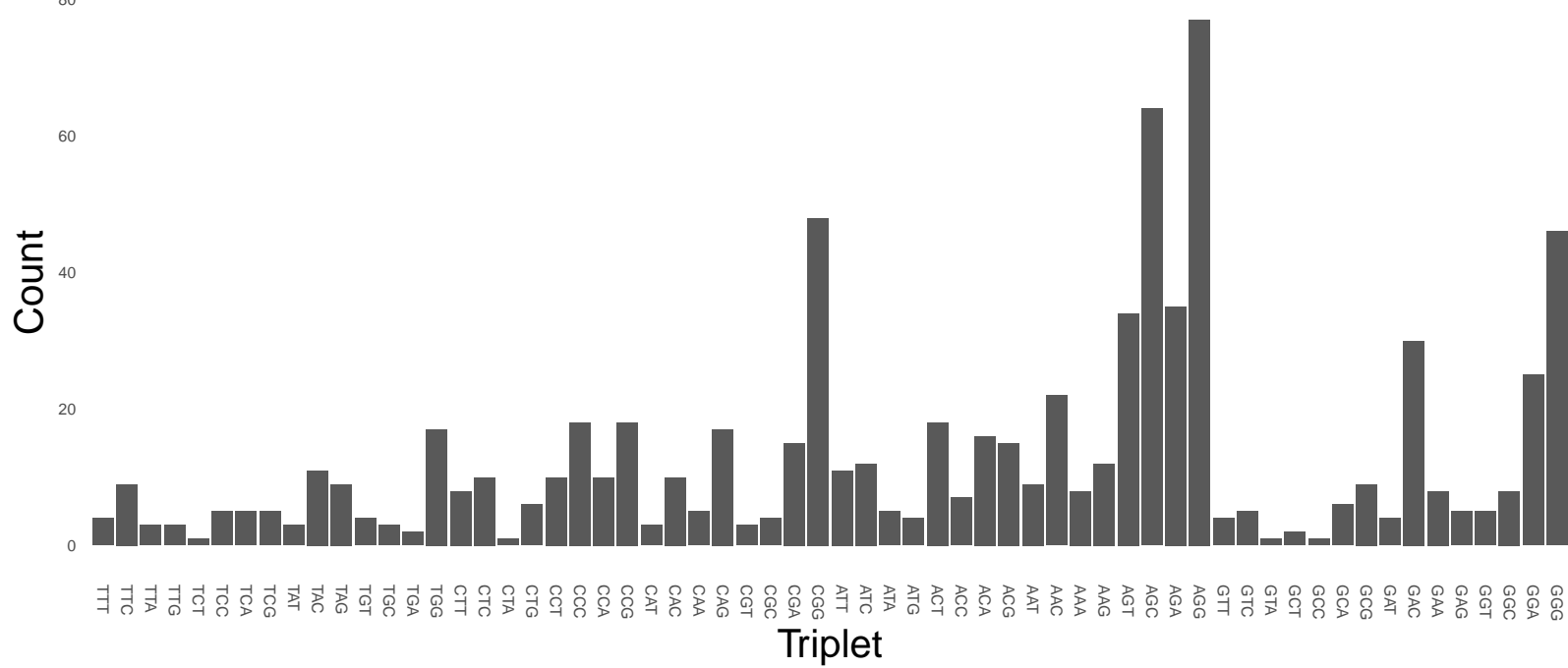
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

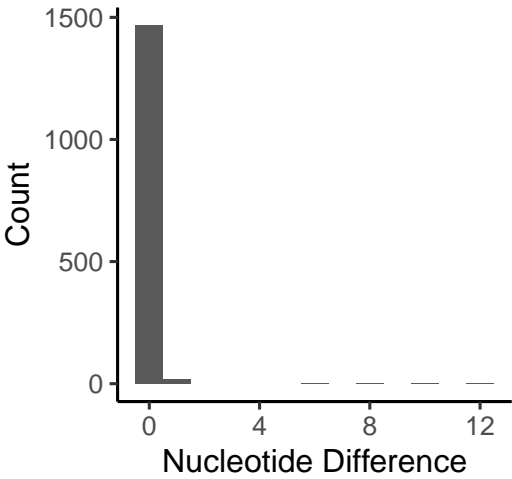


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



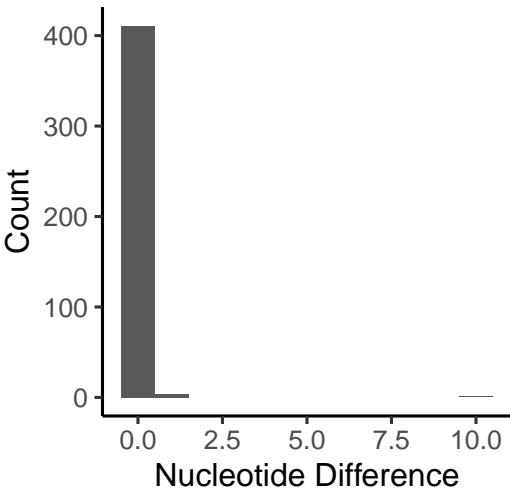
TRBV10-1\*ap01

1489 sequences assigned  
1467 (98.5%) exact matches, in which:  
1456 unique CDR3  
14 unique J



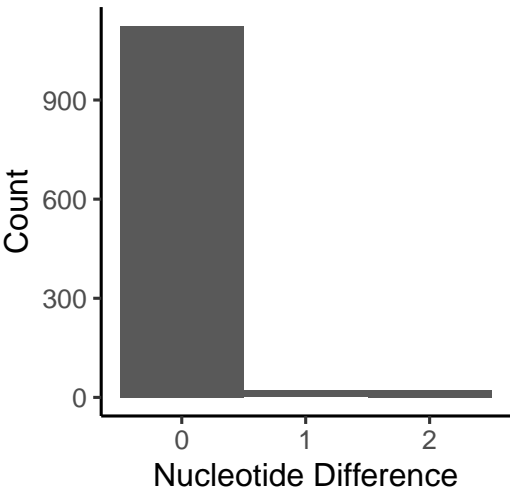
TRBV10-2\*ap01

416 sequences assigned  
411 (98.8%) exact matches, in which:  
407 unique CDR3  
14 unique J



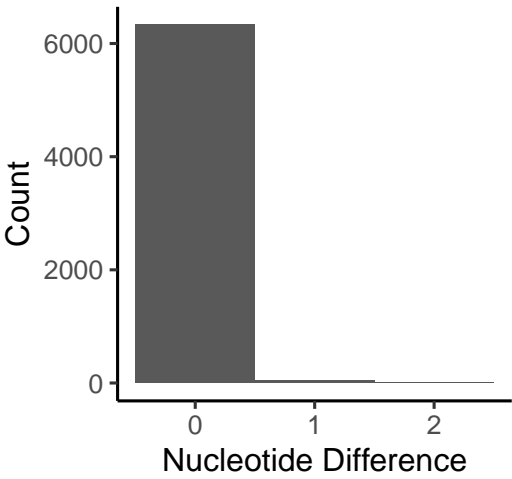
TRBV13\*ap01

1168 sequences assigned  
1125 (96.3%) exact matches, in which:  
1117 unique CDR3  
14 unique J



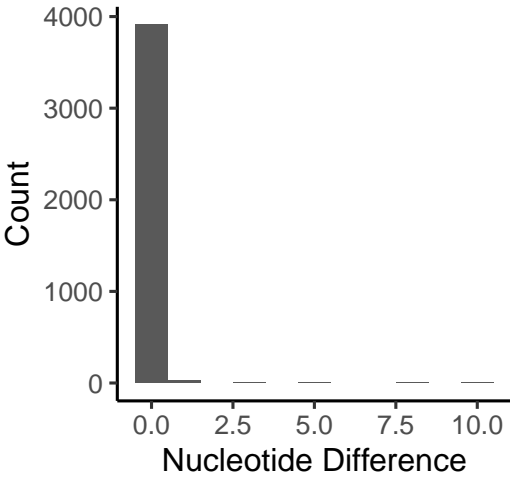
TRBV20-1\*ap01

6384 sequences assigned  
6332 (99.2%) exact matches, in which:  
6294 unique CDR3  
14 unique J



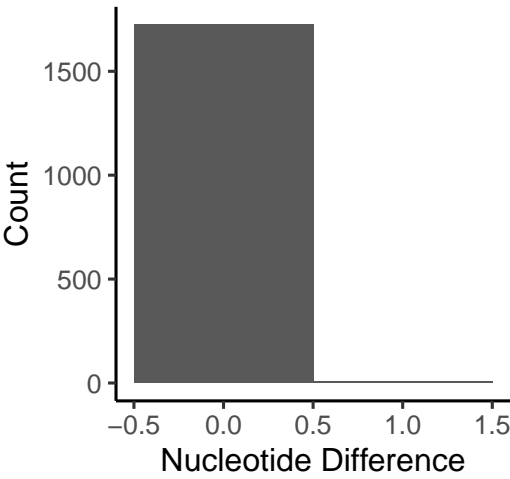
TRBV10-3\*ap01

3947 sequences assigned  
3911 (99.1%) exact matches, in which:  
3878 unique CDR3  
14 unique J



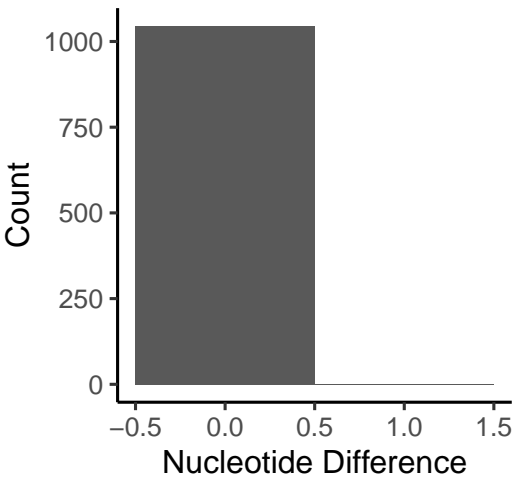
TRBV14\*ap01

1733 sequences assigned  
1724 (99.5%) exact matches, in which:  
1712 unique CDR3  
14 unique J



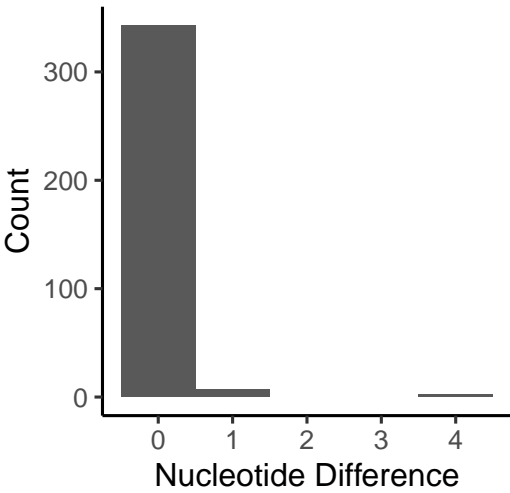
TRBV20-1\*ap02

1046 sequences assigned  
1045 (99.9%) exact matches, in which:  
1041 unique CDR3  
14 unique J



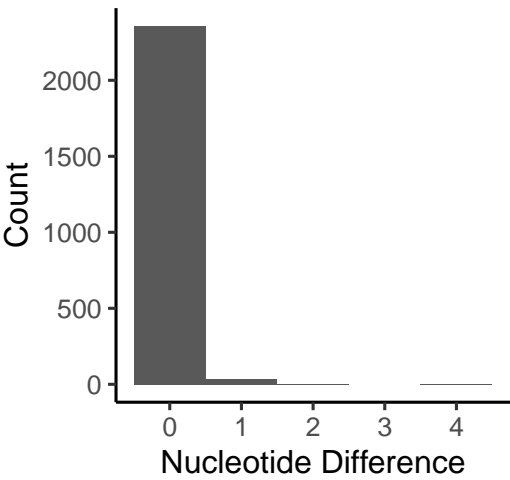
TRBV1\*ap01

352 sequences assigned  
343 (97.4%) exact matches, in which:  
340 unique CDR3  
14 unique J



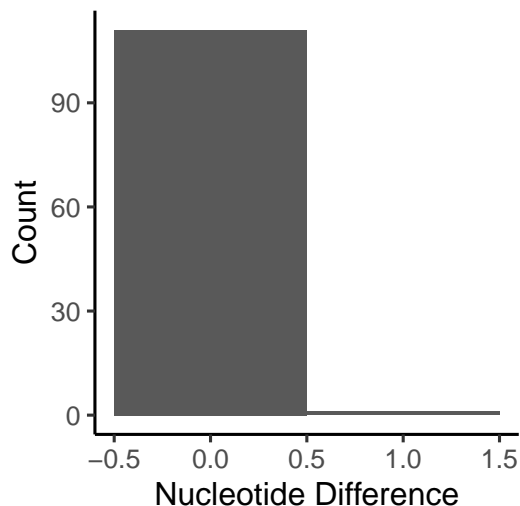
TRBV15\*ap02

2393 sequences assigned  
2357 (98.5%) exact matches, in which:  
2343 unique CDR3  
14 unique J



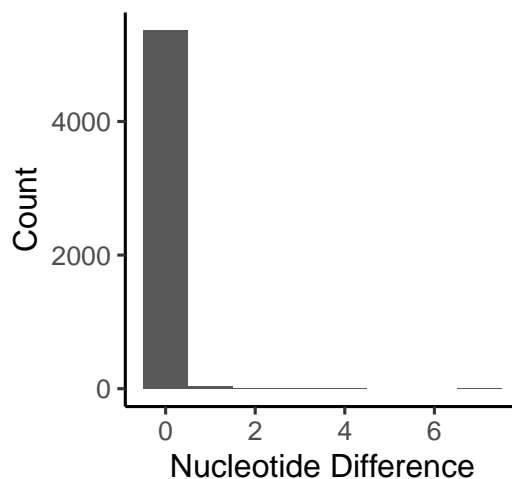
### TRBV16\*ap01

112 sequences assigned  
111 (99.1%) exact matches, in which:  
109 unique CDR3  
14 unique J



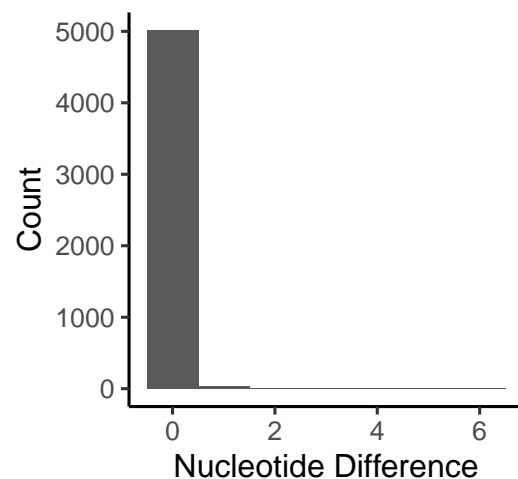
### TRBV19\*ap01

5413 sequences assigned  
5363 (99.1%) exact matches, in which:  
5345 unique CDR3  
14 unique J



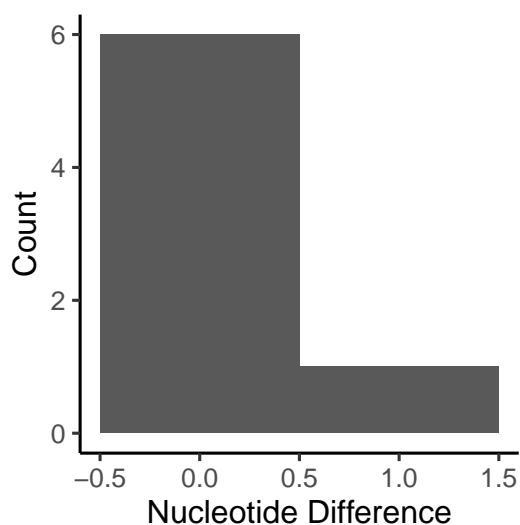
### TRBV27\*ap01

5065 sequences assigned  
5013 (99%) exact matches, in which:  
4980 unique CDR3  
14 unique J



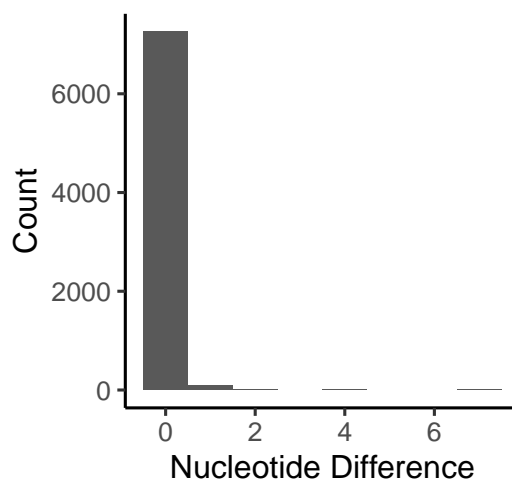
### TRBV17\*ap01

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
5 unique J



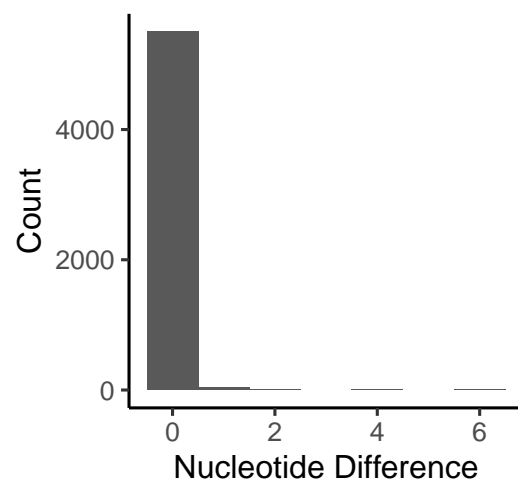
### TRBV2\*ap01

7342 sequences assigned  
7257 (98.8%) exact matches, in which:  
7184 unique CDR3  
14 unique J



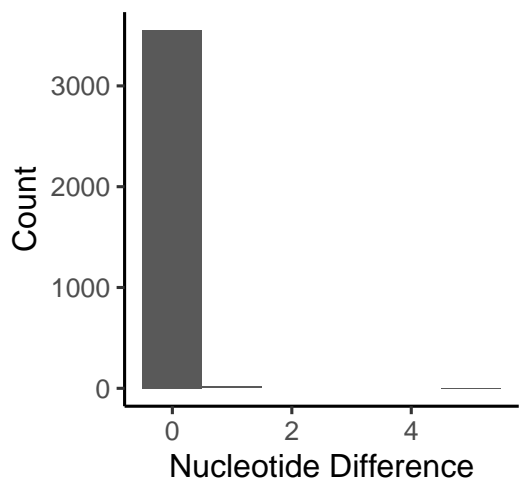
### TRBV28\*ap01

5551 sequences assigned  
5502 (99.1%) exact matches, in which:  
5474 unique CDR3  
14 unique J



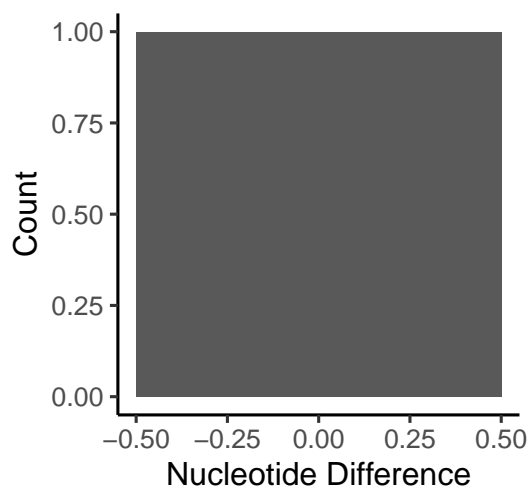
### TRBV18\*ap01

3574 sequences assigned  
3554 (99.4%) exact matches, in which:  
3537 unique CDR3  
14 unique J



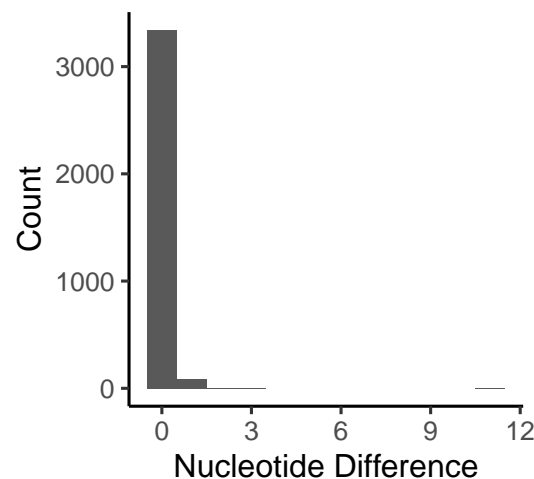
### TRBV26\*ap01

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



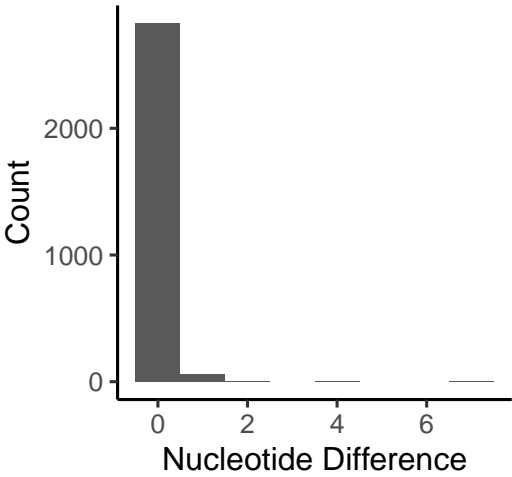
### TRBV30\*ap01

3438 sequences assigned  
3341 (97.2%) exact matches, in which:  
3286 unique CDR3  
14 unique J



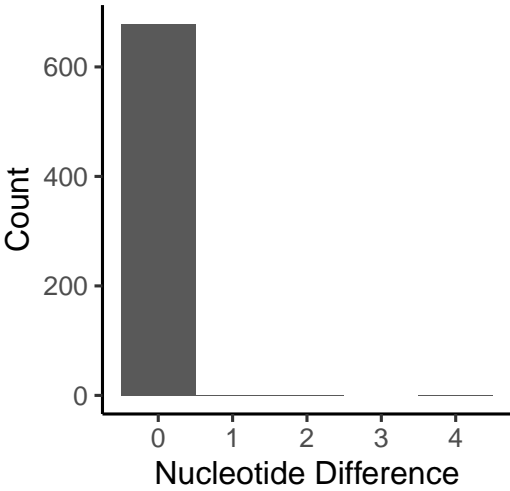
TRBV30\*ap02

2899 sequences assigned  
2828 (97.6%) exact matches, in which:  
2758 unique CDR3  
14 unique J



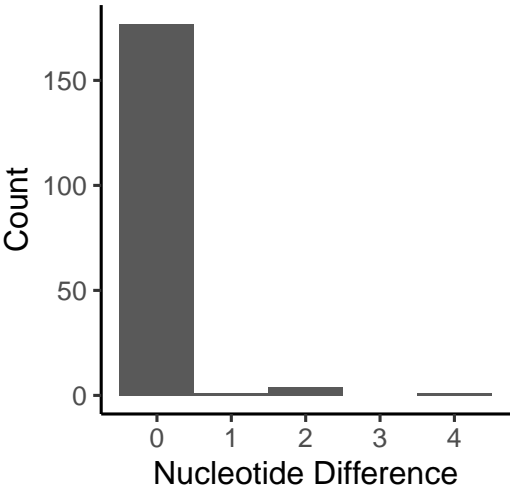
TRBV11-1\*ap01

682 sequences assigned  
679 (99.6%) exact matches, in which:  
679 unique CDR3  
14 unique J



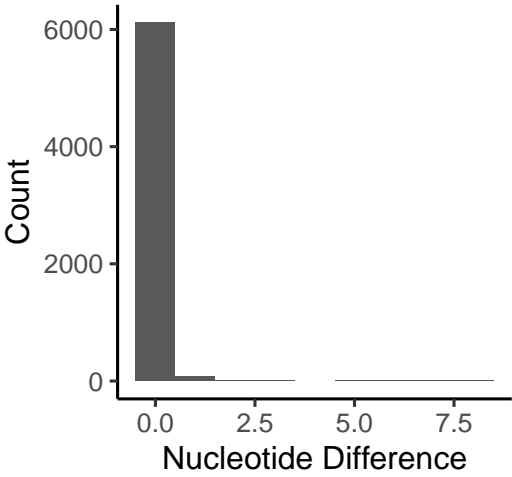
TRBV12-1\*ap01

183 sequences assigned  
177 (96.7%) exact matches, in which:  
176 unique CDR3  
13 unique J



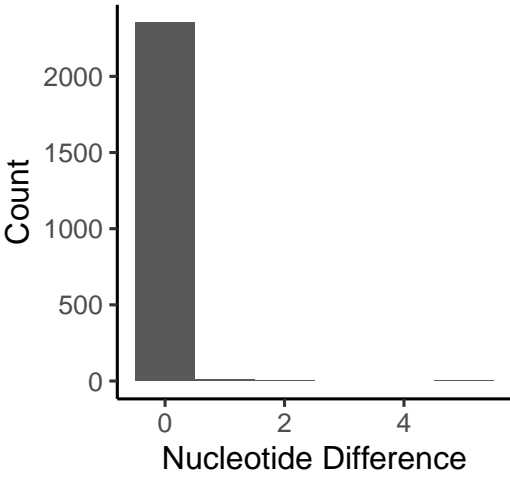
TRBV9\*ap01

6199 sequences assigned  
6115 (98.6%) exact matches, in which:  
6094 unique CDR3  
14 unique J



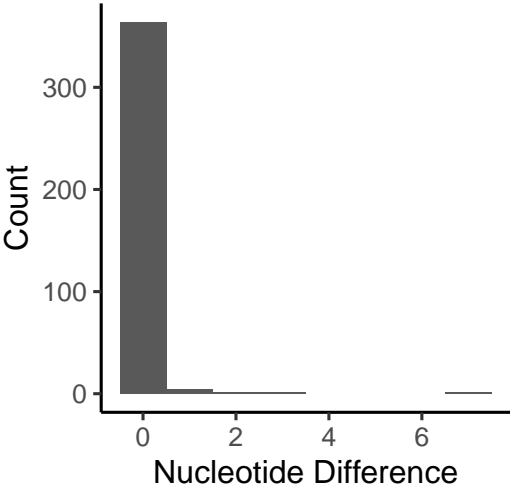
TRBV11-2\*ap01

2364 sequences assigned  
2352 (99.5%) exact matches, in which:  
2342 unique CDR3  
14 unique J



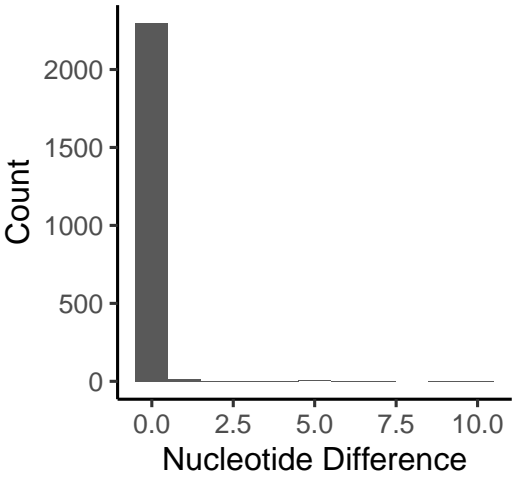
TRBV12-2\*ap01

371 sequences assigned  
364 (98.1%) exact matches, in which:  
362 unique CDR3  
14 unique J



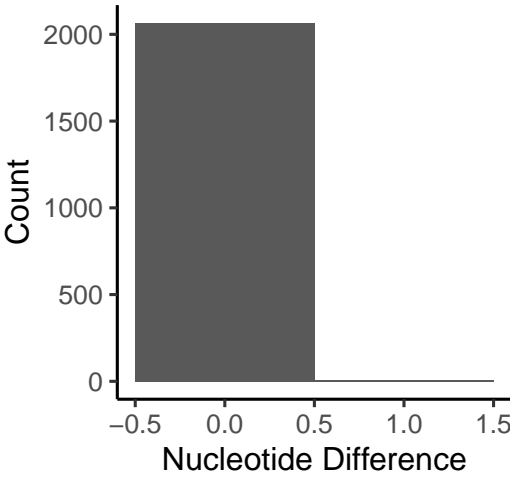
TRBV21-1\*ap01

2330 sequences assigned  
2298 (98.6%) exact matches, in which:  
2282 unique CDR3  
14 unique J



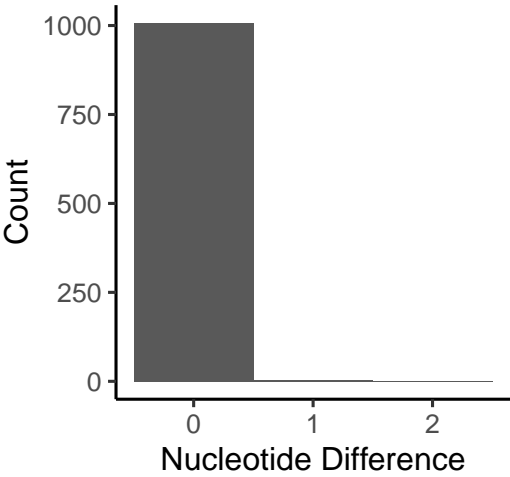
TRBV11-3\*ap01

2073 sequences assigned  
2065 (99.6%) exact matches, in which:  
2059 unique CDR3  
14 unique J



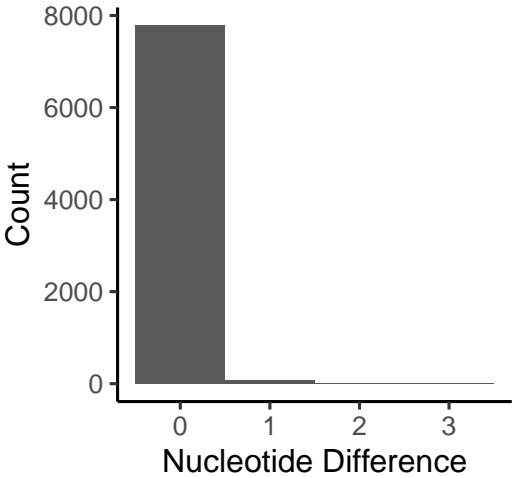
TRBV12-5\*ap01

1012 sequences assigned  
1007 (99.5%) exact matches, in which:  
1000 unique CDR3  
14 unique J



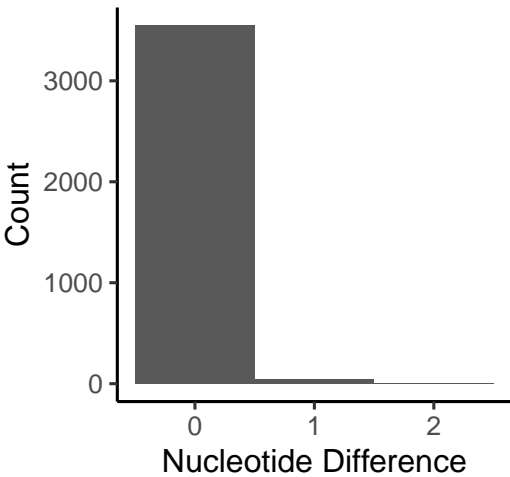
TRBV12-34\*ap01

7879 sequences assigned  
7785 (98.8%) exact matches, in which:  
7732 unique CDR3  
14 unique J



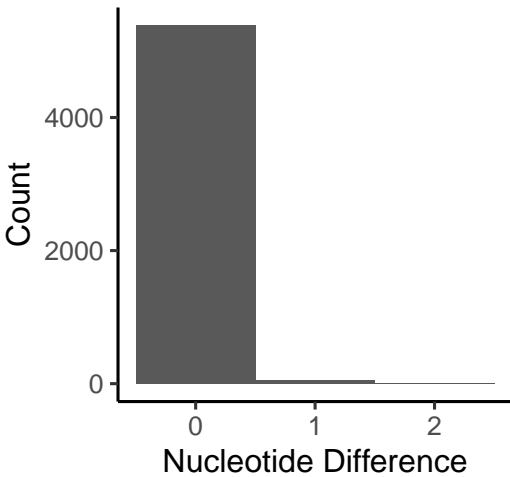
TRBV4-1\*ap01

3595 sequences assigned  
3549 (98.7%) exact matches, in which:  
3521 unique CDR3  
14 unique J



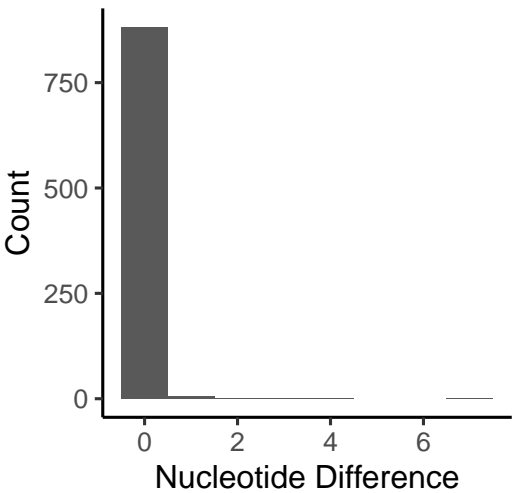
TRBV4-3\*ap01

5446 sequences assigned  
5384 (98.9%) exact matches, in which:  
5346 unique CDR3  
14 unique J



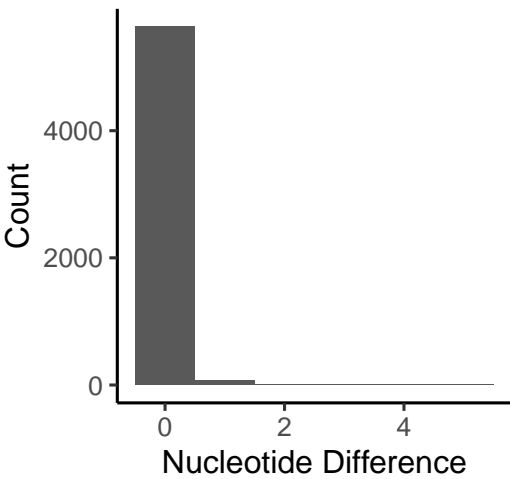
TRBV23-1\*ap01

892 sequences assigned  
882 (98.9%) exact matches, in which:  
876 unique CDR3  
14 unique J



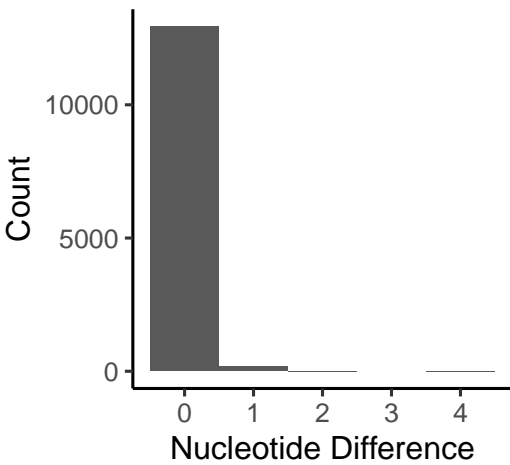
TRBV24-1\*ap01

5709 sequences assigned  
5635 (98.7%) exact matches, in which:  
5581 unique CDR3  
14 unique J



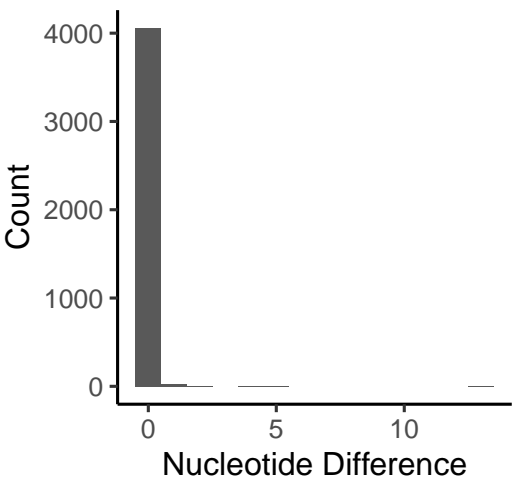
TRBV5-1\*ap01

13117 sequences assigned  
12939 (98.6%) exact matches, in which:  
12849 unique CDR3  
14 unique J



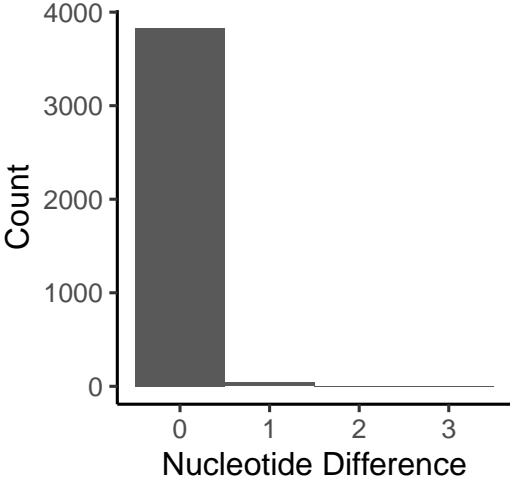
TRBV3-12\*ap01

4093 sequences assigned  
4058 (99.1%) exact matches, in which:  
4042 unique CDR3  
14 unique J



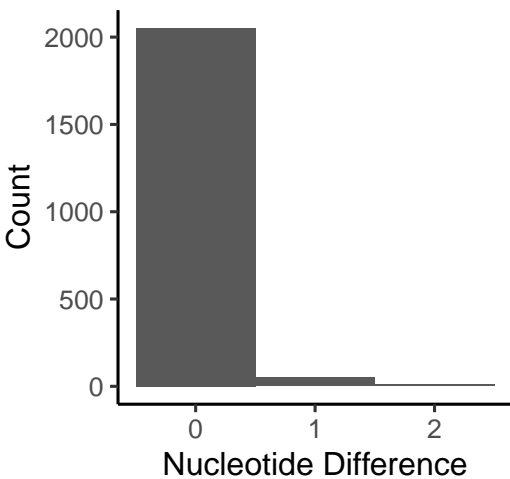
TRBV4-2\*ap01

3874 sequences assigned  
3830 (98.9%) exact matches, in which:  
3799 unique CDR3  
14 unique J



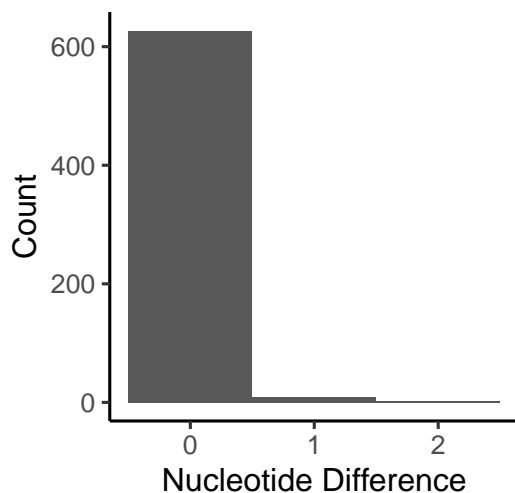
TRBV25-1\*ap01

2114 sequences assigned  
2052 (97.1%) exact matches, in which:  
2011 unique CDR3  
14 unique J



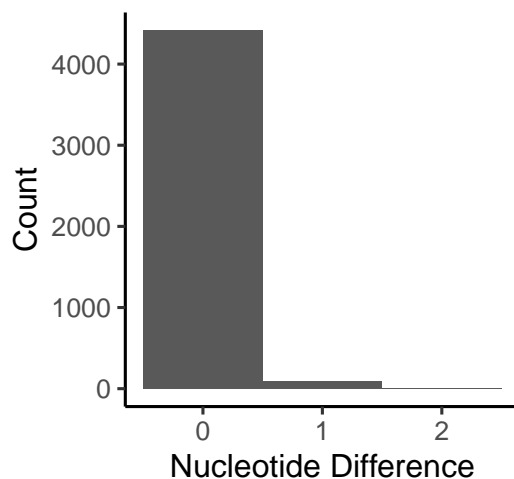
### TRBV5-3\*ap01

638 sequences assigned  
627 (98.3%) exact matches, in which:  
622 unique CDR3  
14 unique J



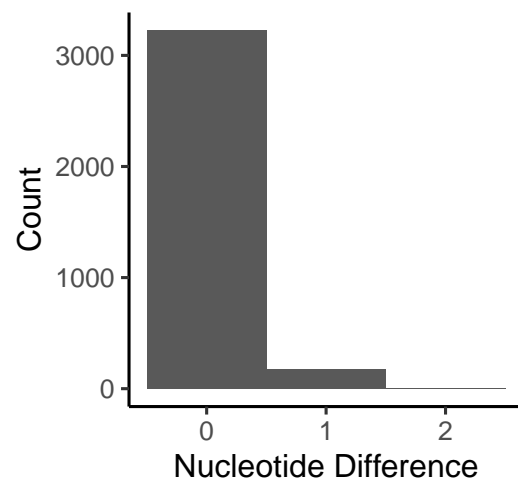
### TRBV5-6\*ap01

4503 sequences assigned  
4415 (98%) exact matches, in which:  
4349 unique CDR3  
14 unique J



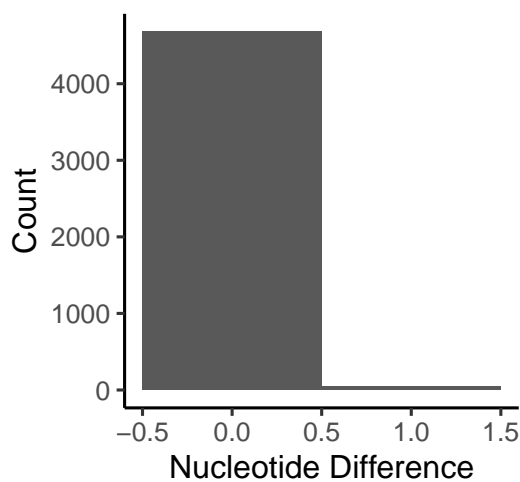
### TRBV6-1\*ap01

3398 sequences assigned  
3225 (94.9%) exact matches, in which:  
3192 unique CDR3  
14 unique J



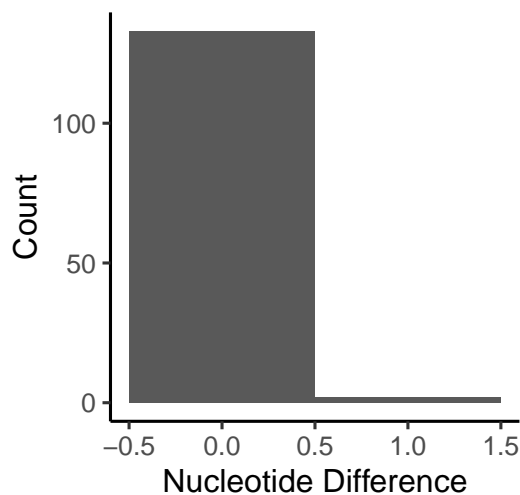
### TRBV5-4\*ap01

4724 sequences assigned  
4679 (99%) exact matches, in which:  
4649 unique CDR3  
14 unique J



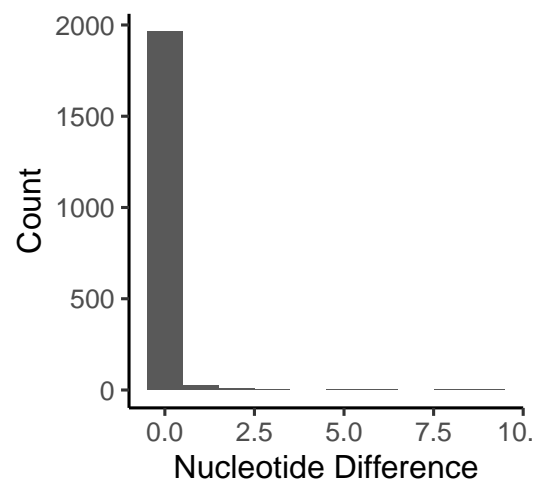
### TRBV5-7\*ap01

135 sequences assigned  
133 (98.5%) exact matches, in which:  
132 unique CDR3  
14 unique J



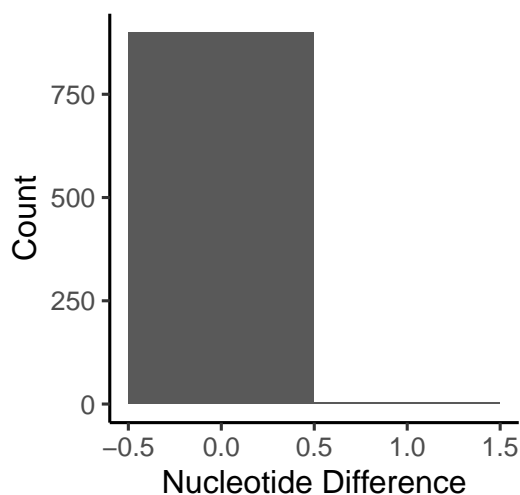
### TRBV6-4\*ap01

2000 sequences assigned  
1963 (98.2%) exact matches, in which:  
1949 unique CDR3  
14 unique J



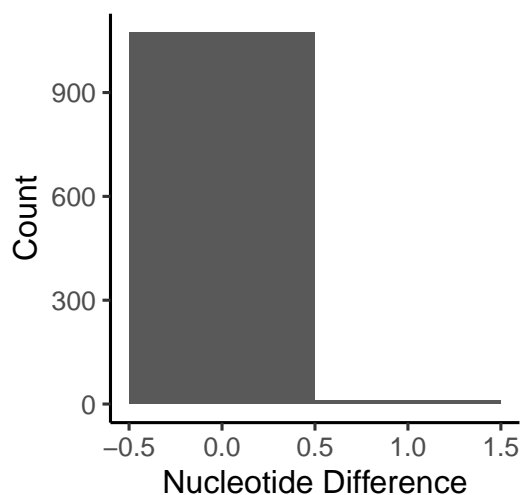
### TRBV5-5\*ap01

903 sequences assigned  
900 (99.7%) exact matches, in which:  
896 unique CDR3  
14 unique J



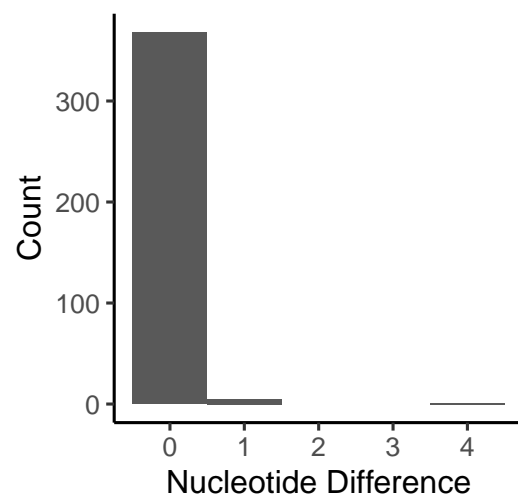
### TRBV5-8\*ap01

1083 sequences assigned  
1074 (99.2%) exact matches, in which:  
1067 unique CDR3  
14 unique J



### TRBV6-7\*ap01

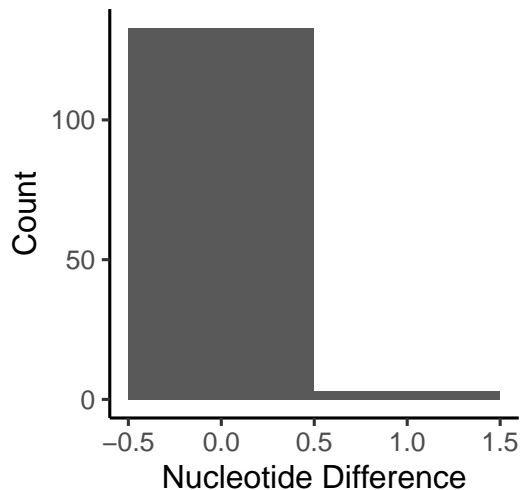
374 sequences assigned  
368 (98.4%) exact matches, in which:  
364 unique CDR3  
14 unique J





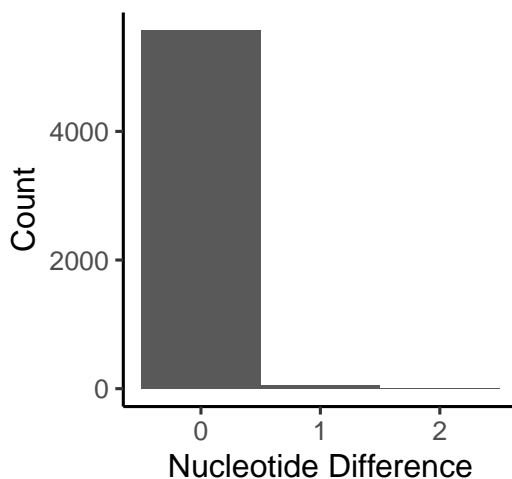
### TRBV6-8\*ap01

136 sequences assigned  
133 (97.8%) exact matches, in which:  
130 unique CDR3  
14 unique J



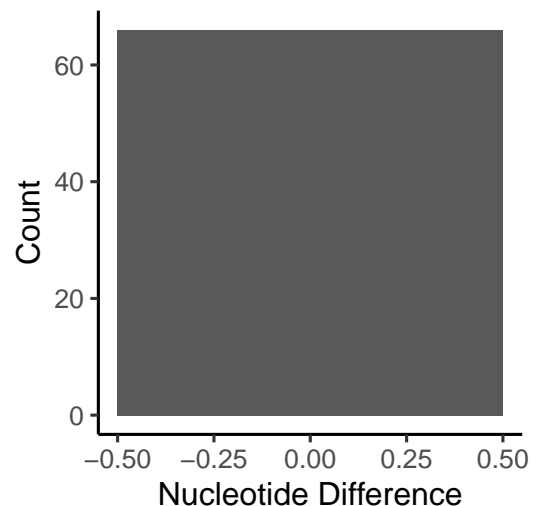
### TRBV6-56\*ap01

5631 sequences assigned  
5570 (98.9%) exact matches, in which:  
5491 unique CDR3  
14 unique J



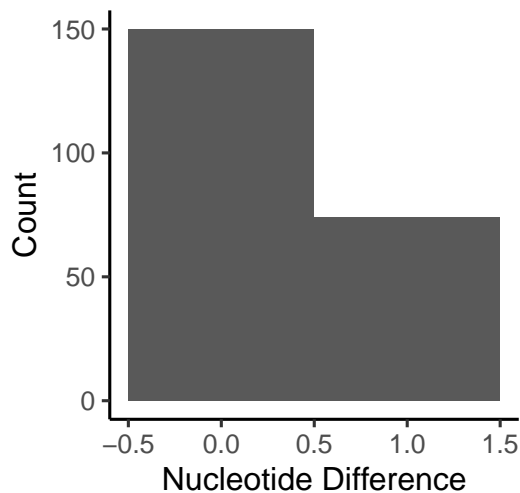
### TRBV7-1\*ap01\_G291C\_T

66 sequences assigned  
66 (100%) exact matches, in which:  
65 unique CDR3  
11 unique J



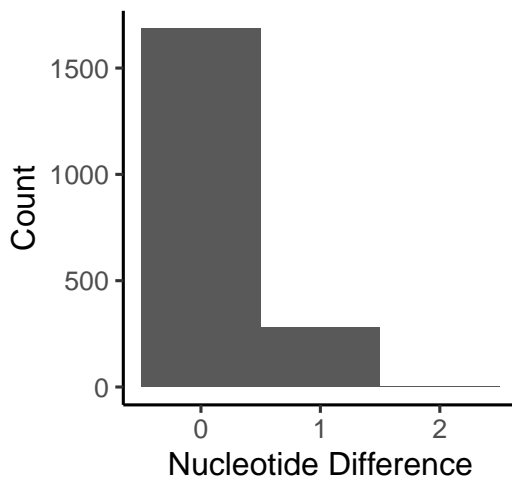
### TRBV6-9\*ap01

224 sequences assigned  
150 (67%) exact matches, in which:  
146 unique CDR3  
14 unique J



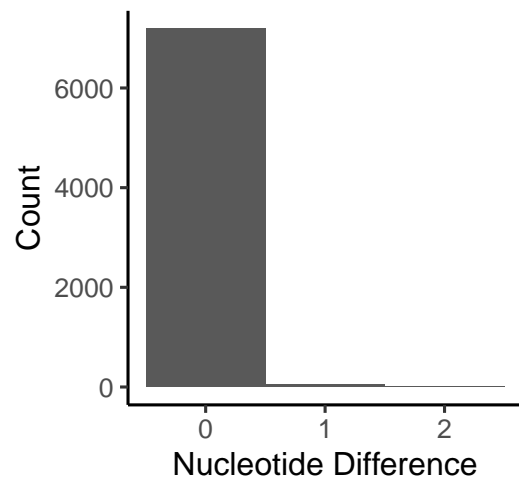
### TRBV6-56\*ap02

1968 sequences assigned  
1685 (85.6%) exact matches, in which:  
1668 unique CDR3  
14 unique J



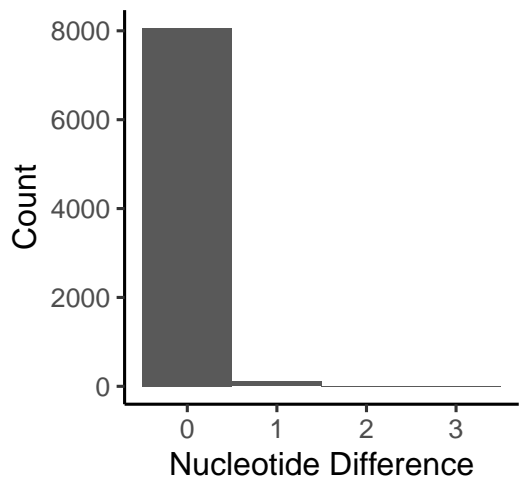
### TRBV7-2\*ap01

7249 sequences assigned  
7189 (99.2%) exact matches, in which:  
7150 unique CDR3  
14 unique J



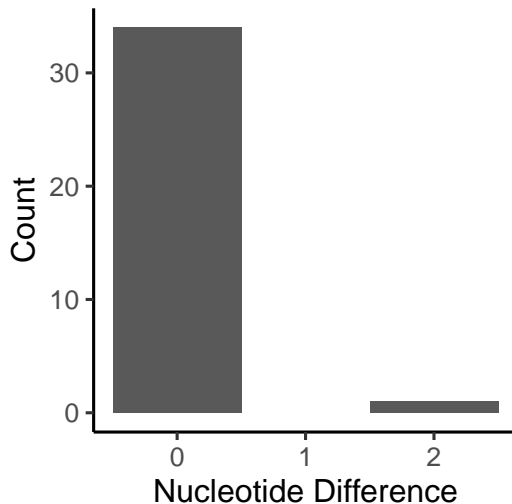
### TRBV6-23\*ap01

8177 sequences assigned  
8062 (98.6%) exact matches, in which:  
7956 unique CDR3  
14 unique J



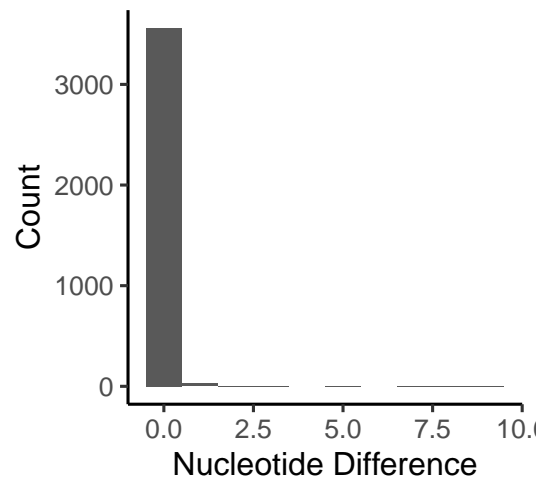
### TRBV7-1\*ap01\_G291C\_T

35 sequences assigned  
34 (97.1%) exact matches, in which:  
34 unique CDR3  
11 unique J



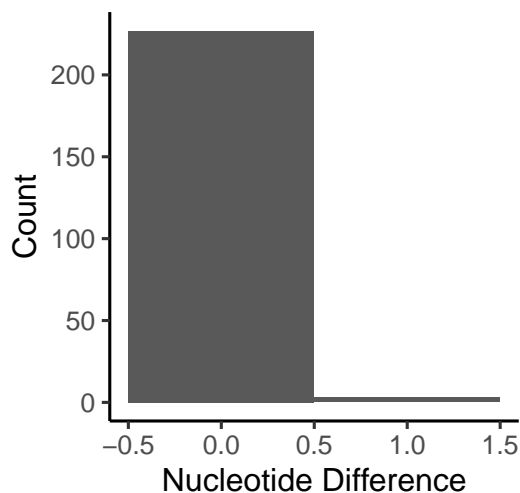
### TRBV7-3\*ap01

3596 sequences assigned  
3560 (99%) exact matches, in which:  
3552 unique CDR3  
14 unique J



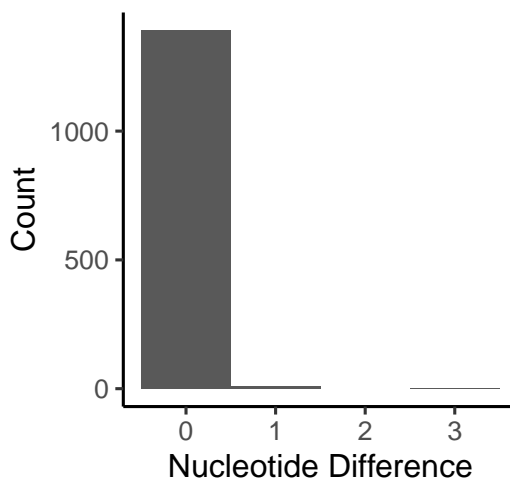
### TRBV7-4\*ap01

230 sequences assigned  
227 (98.7%) exact matches, in which:  
227 unique CDR3  
14 unique J



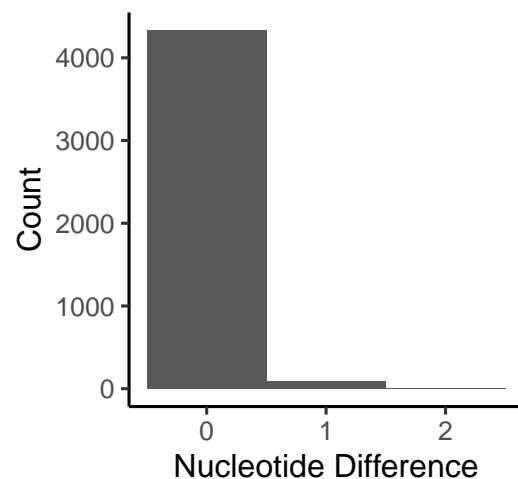
### TRBV7-8\*ap01

1401 sequences assigned  
1391 (99.3%) exact matches, in which:  
1386 unique CDR3  
14 unique J



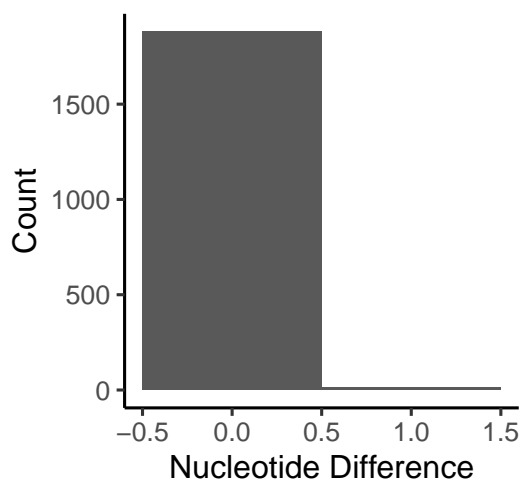
### TRBV29-1\*ap01

4425 sequences assigned  
4331 (97.9%) exact matches, in which:  
4242 unique CDR3  
14 unique J



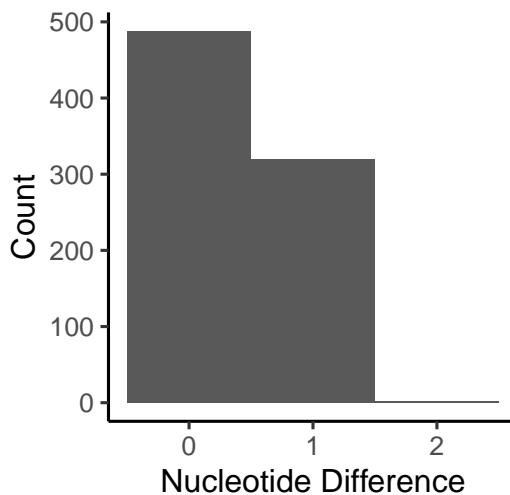
### TRBV7-6\*ap01

1895 sequences assigned  
1880 (99.2%) exact matches, in which:  
1873 unique CDR3  
14 unique J



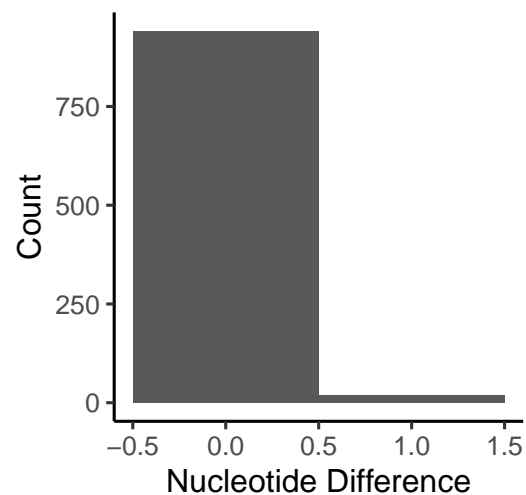
### TRBV7-8\*ap03

810 sequences assigned  
488 (60.2%) exact matches, in which:  
486 unique CDR3  
14 unique J



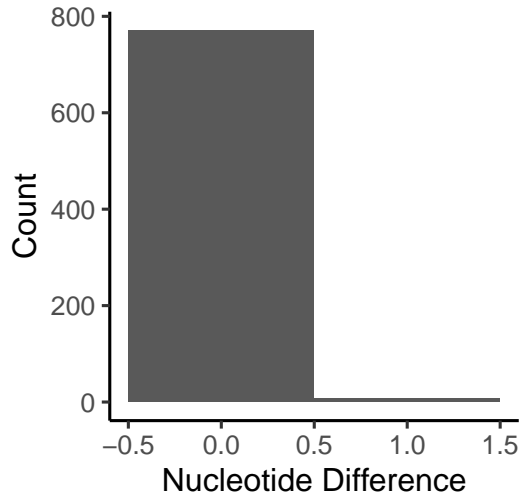
### TRBV29-1\*ap02

961 sequences assigned  
941 (97.9%) exact matches, in which:  
919 unique CDR3  
14 unique J



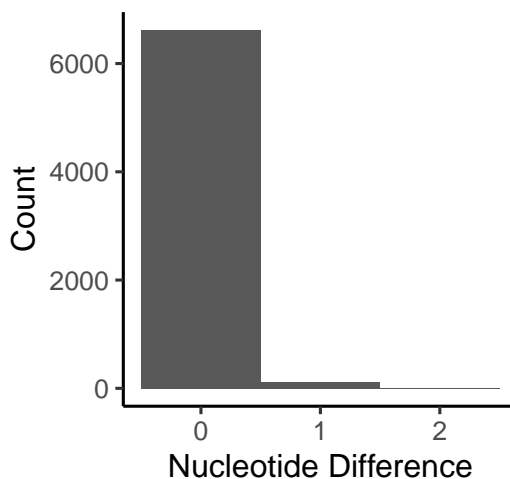
### TRBV7-7\*ap01\_C315T

778 sequences assigned  
771 (99.1%) exact matches, in which:  
767 unique CDR3  
14 unique J

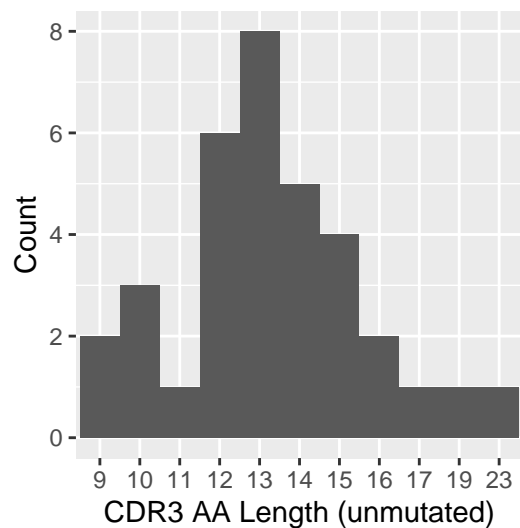


### TRBV7-9\*ap01

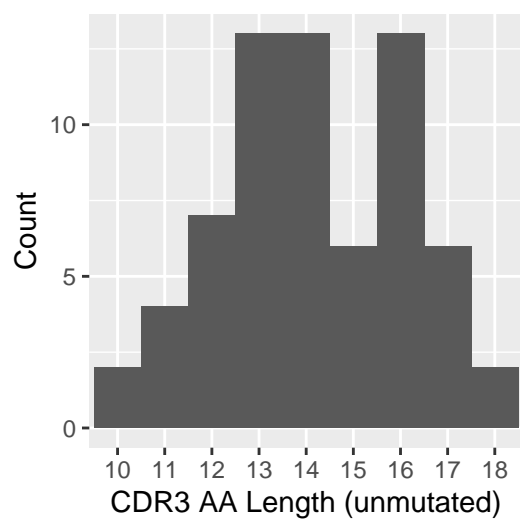
6745 sequences assigned  
6619 (98.1%) exact matches, in which:  
6574 unique CDR3  
14 unique J



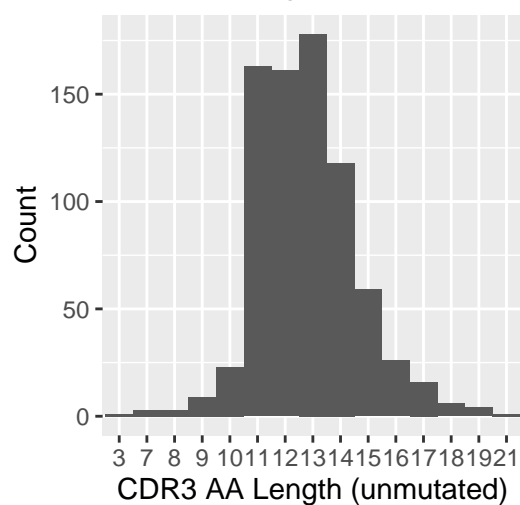
TRBV7-1\*ap01\_G291C\_T296C

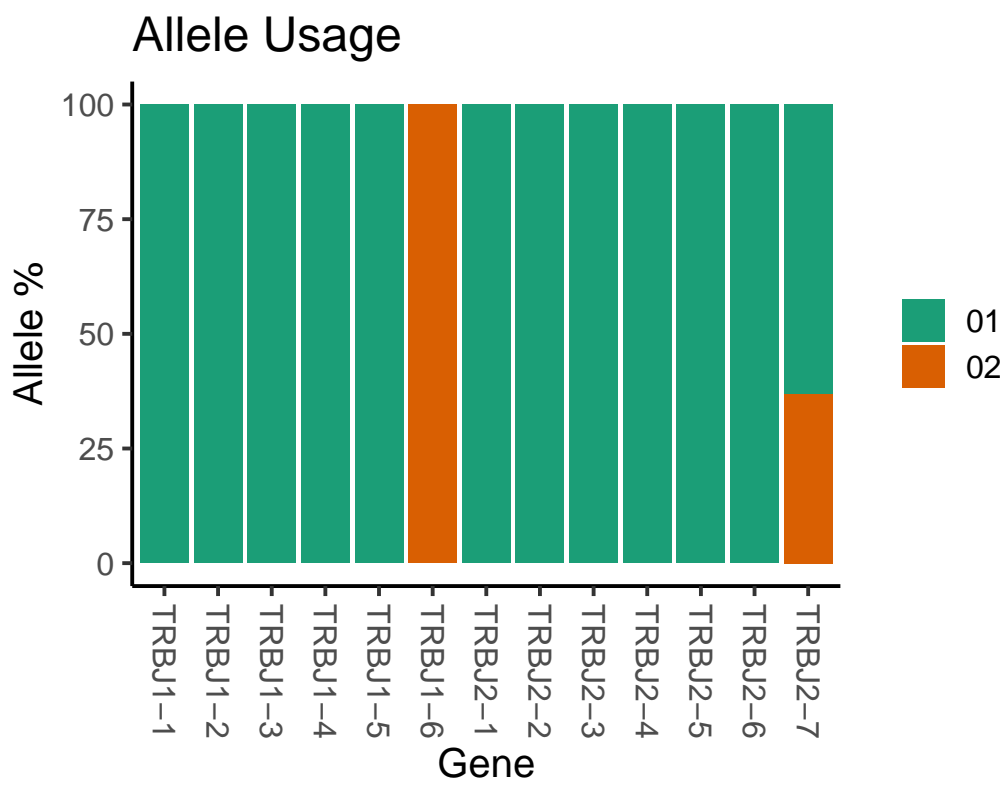


TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-7\*ap01\_C315T





Sequence Count by TRBJ2-7 allele usage

