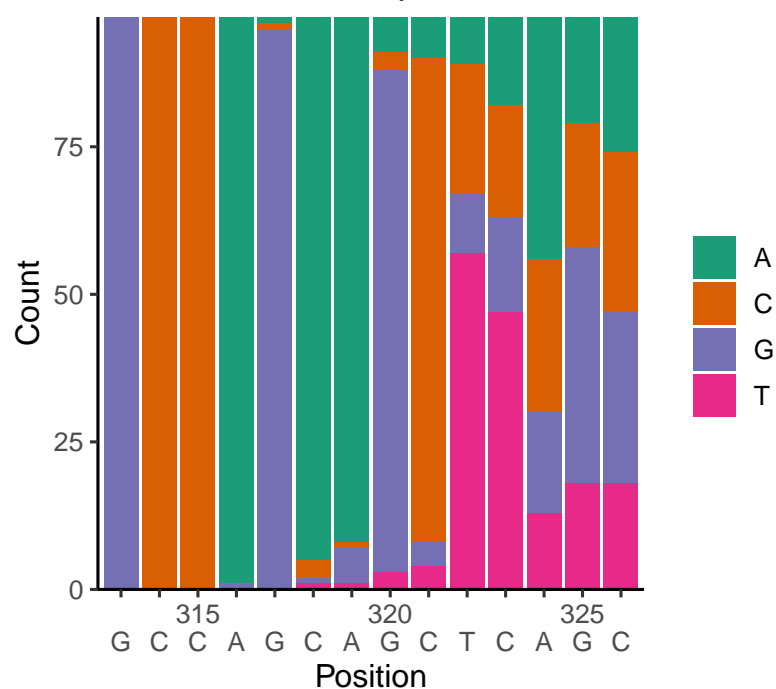
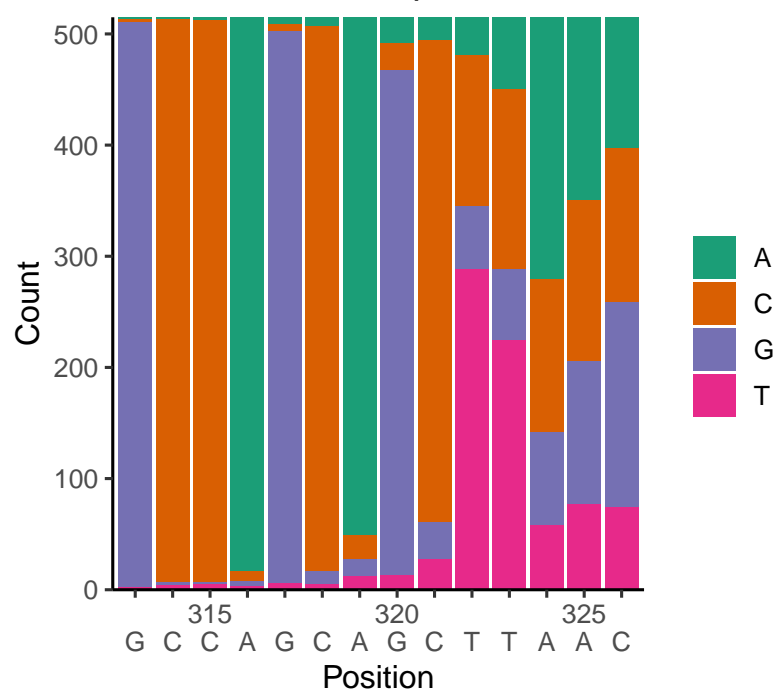


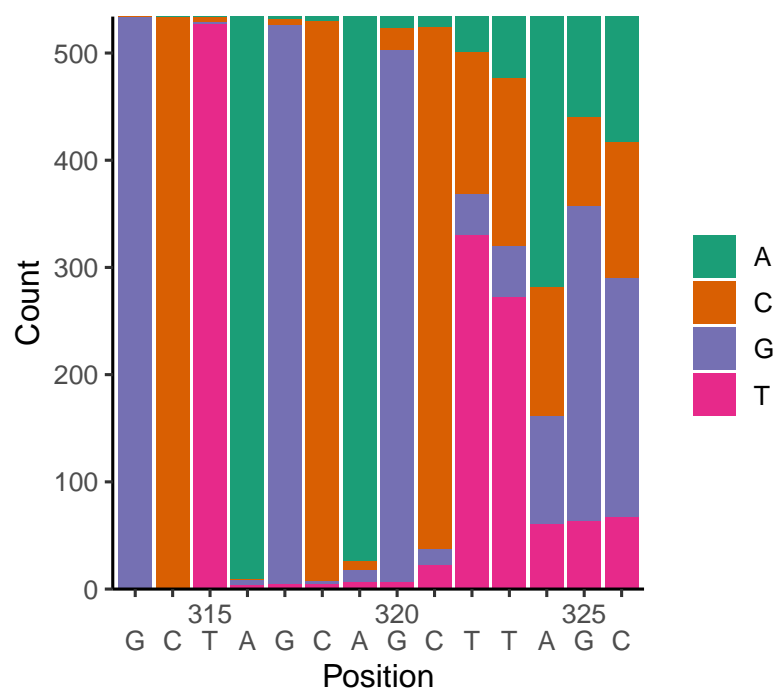
Gene TRBV7-1\*ap01\_G291C\_T296C



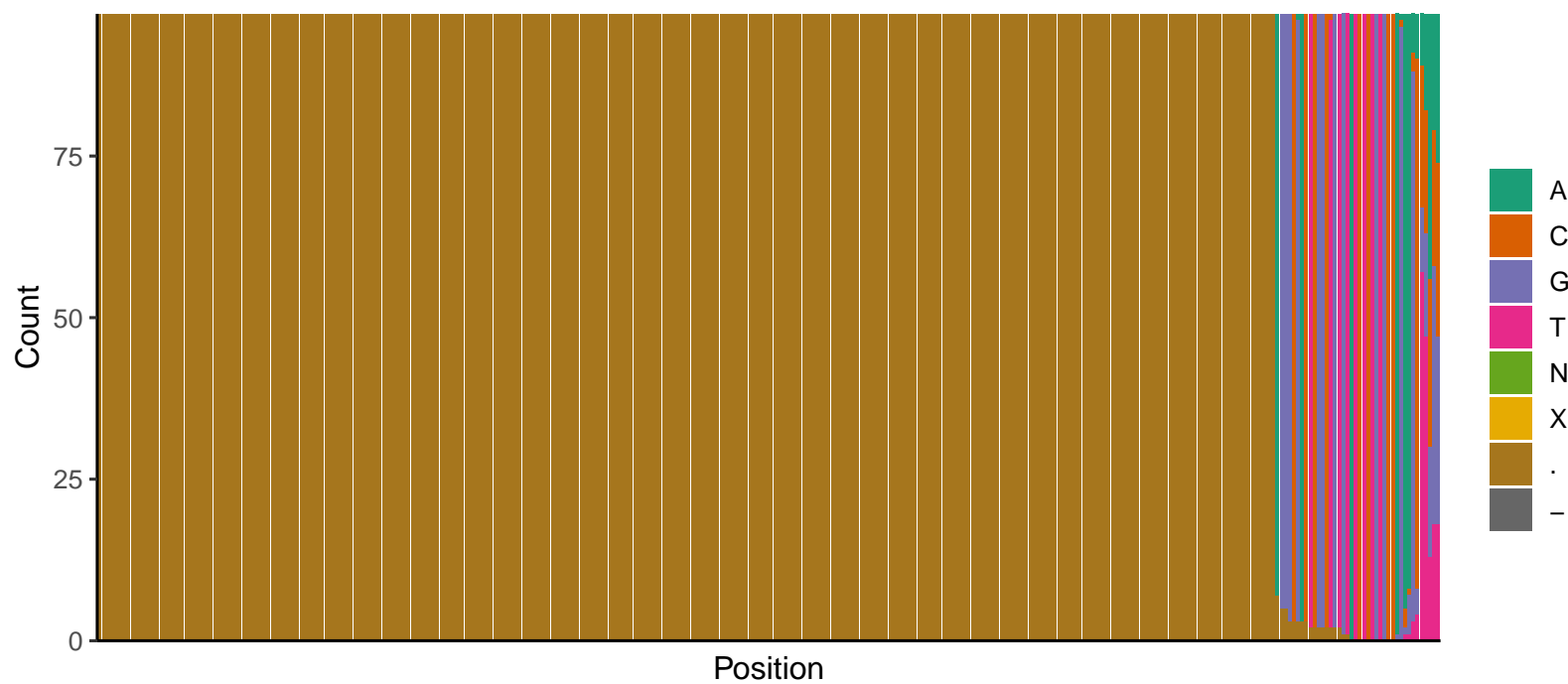
Gene TRBV7-3\*ap01\_G292T



Gene TRBV7-7\*ap01\_C315T



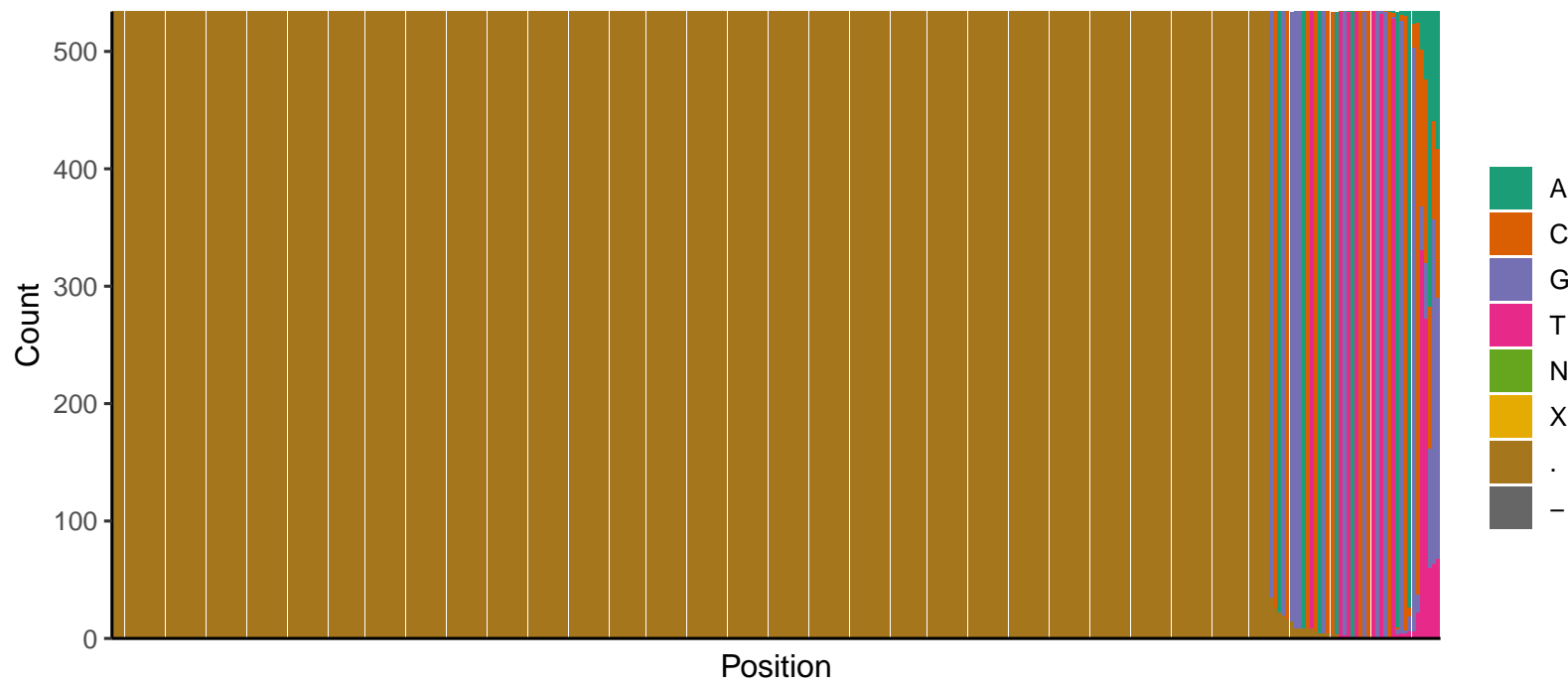
Gene TRBV7-1\*ap01\_G291C\_T296C



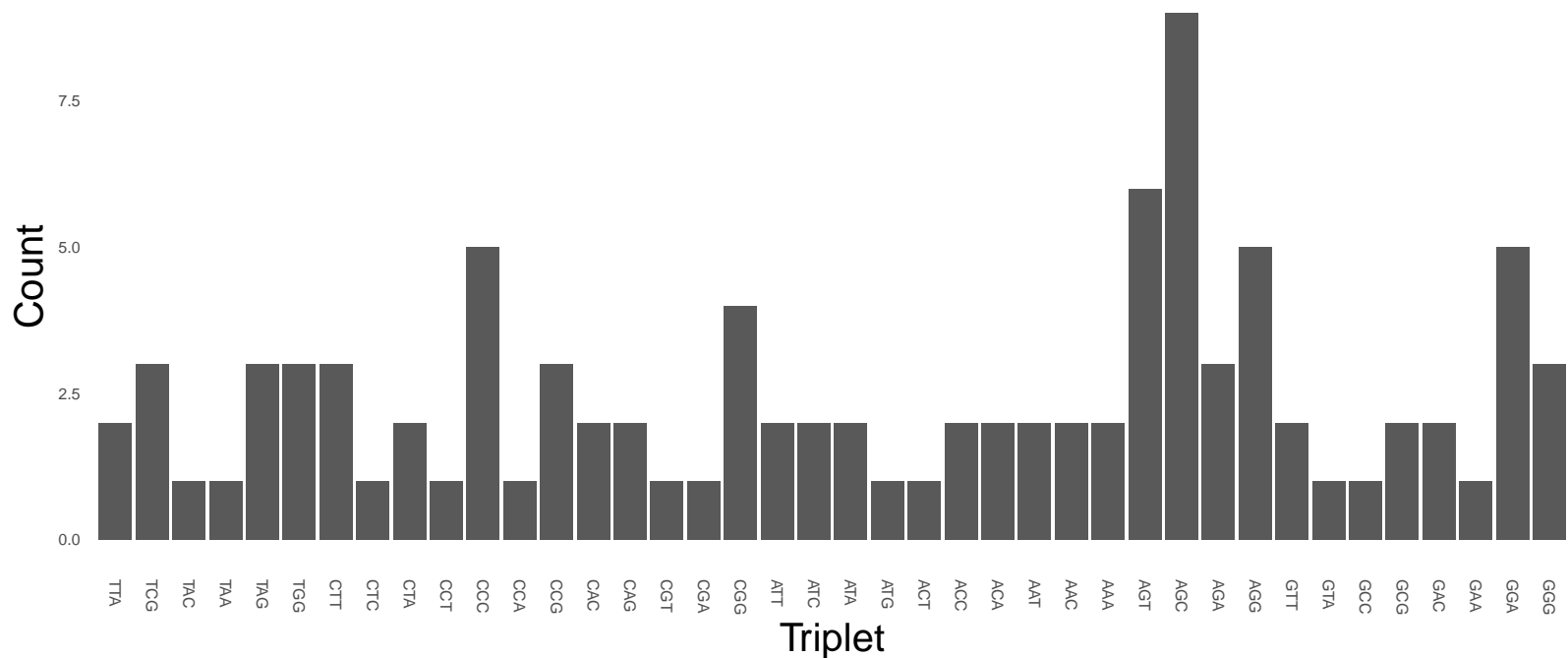
Gene TRBV7-3\*ap01\_G292T



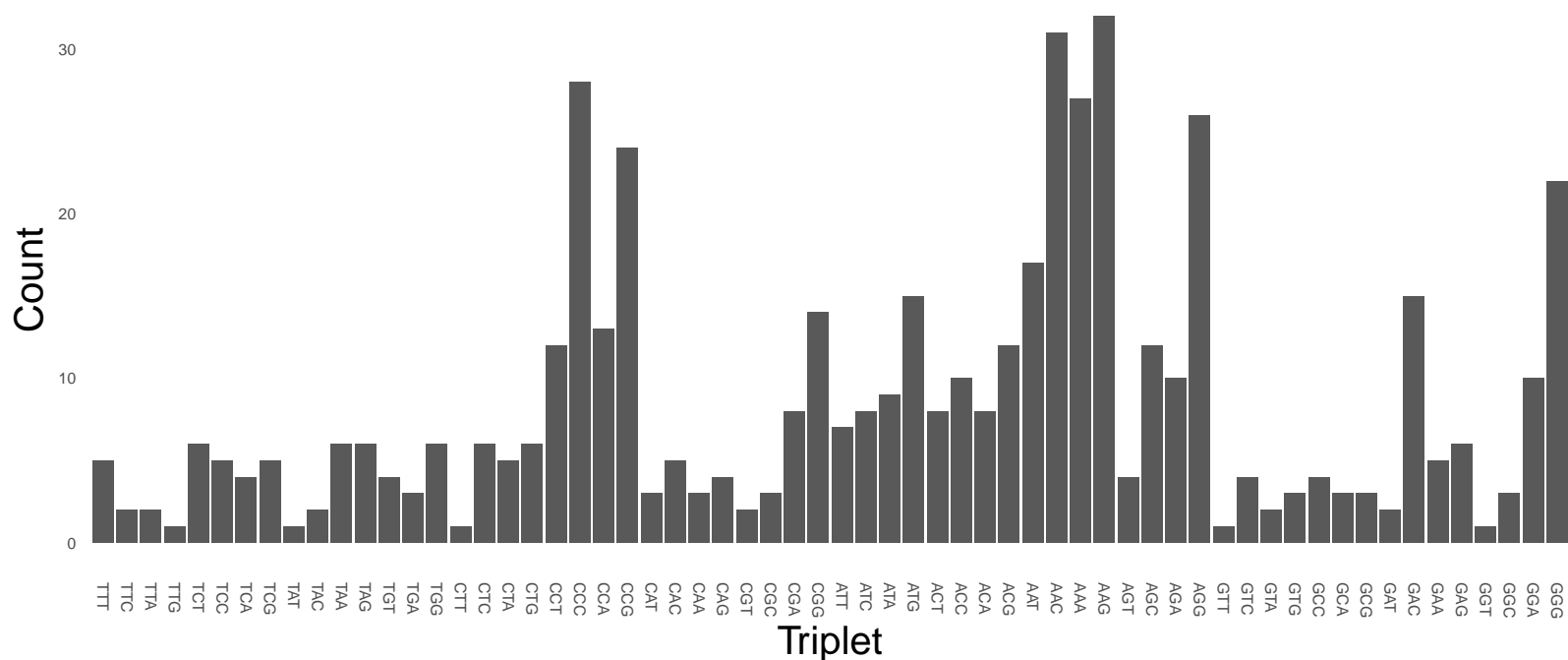
Gene TRBV7-7\*ap01\_C315T



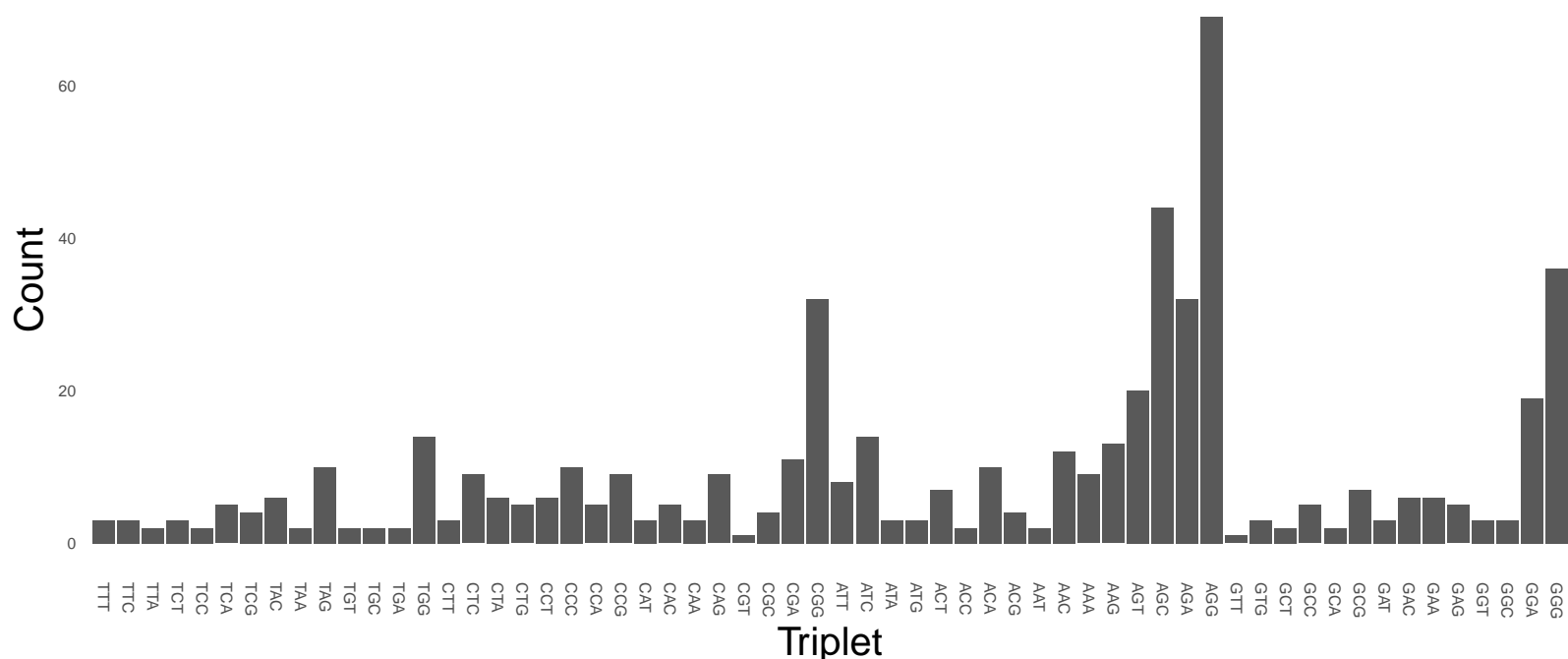
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



TRBV7-3\*ap01\_G292T- Final 3 nucleotides as a triplet

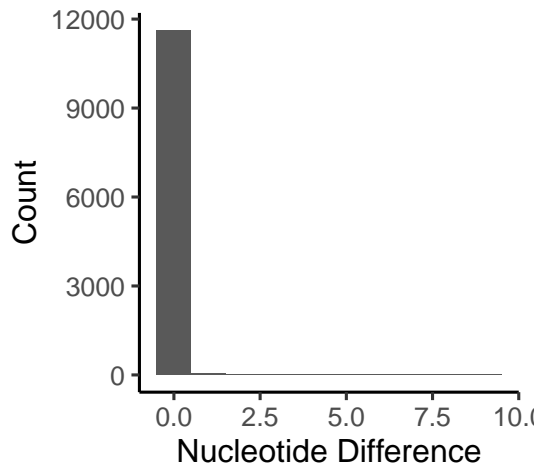


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



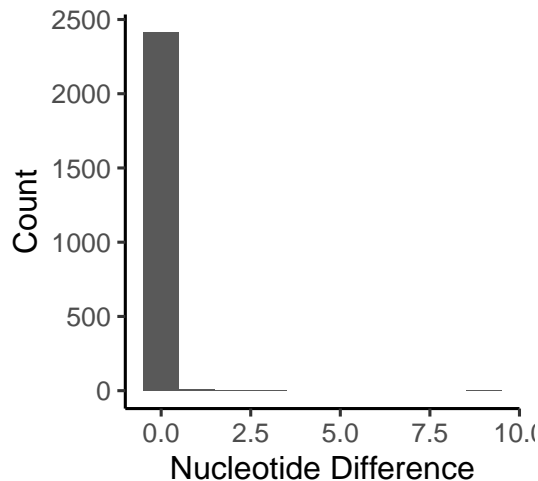
### TRBV20-1\*ap01

11690 sequences assigned  
11627 (99.5%) exact matches, in which:  
11581 unique CDR3  
13 unique J



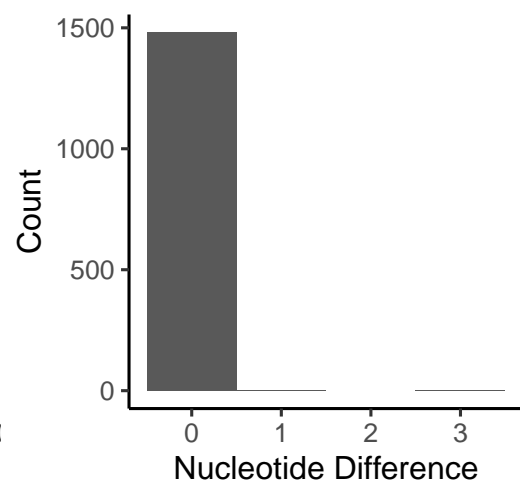
### TRBV10-3\*ap01

2428 sequences assigned  
2413 (99.4%) exact matches, in which:  
2413 unique CDR3  
14 unique J



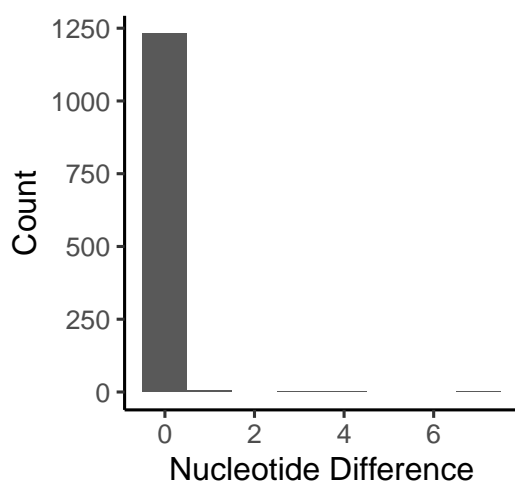
### TRBV14\*ap01

1483 sequences assigned  
1481 (99.9%) exact matches, in which:  
1480 unique CDR3  
13 unique J



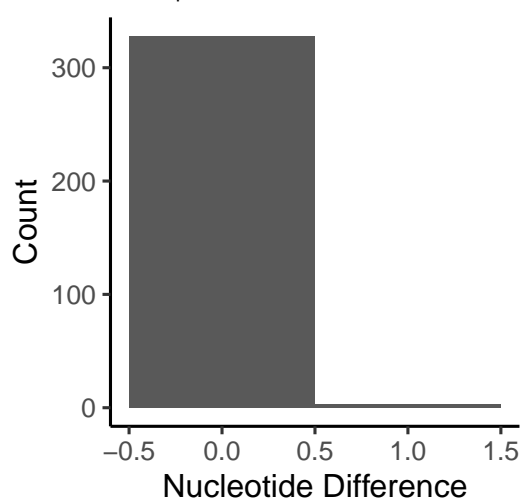
### TRBV10-1\*ap01

1240 sequences assigned  
1231 (99.3%) exact matches, in which:  
1229 unique CDR3  
13 unique J



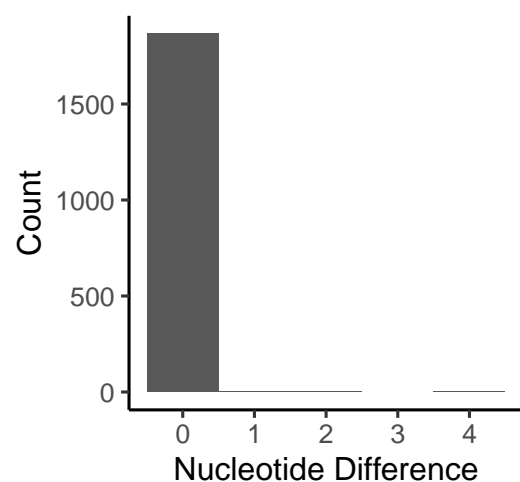
### TRBV1\*ap01

331 sequences assigned  
328 (99.1%) exact matches, in which:  
324 unique CDR3  
13 unique J



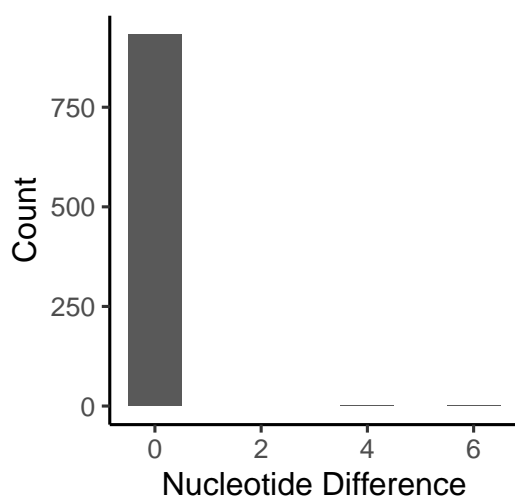
### TRBV15\*ap02

1874 sequences assigned  
1866 (99.6%) exact matches, in which:  
1861 unique CDR3  
13 unique J



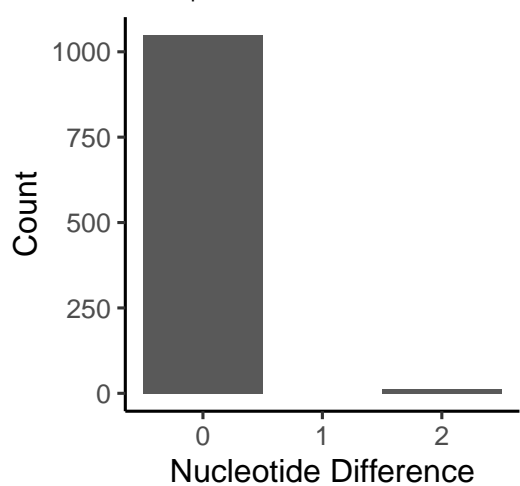
### TRBV10-2\*ap01

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



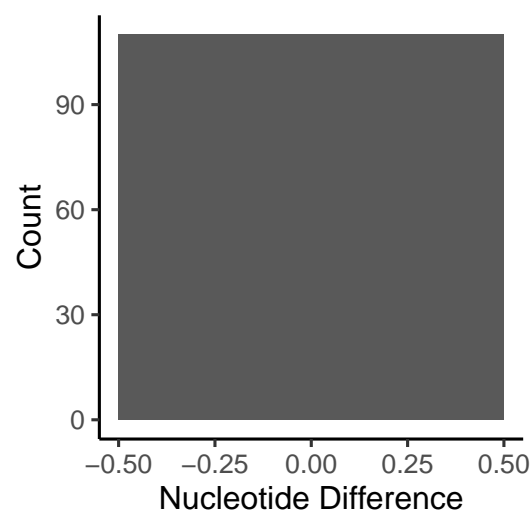
### TRBV13\*ap01

1062 sequences assigned  
1049 (98.8%) exact matches, in which:  
1048 unique CDR3  
13 unique J



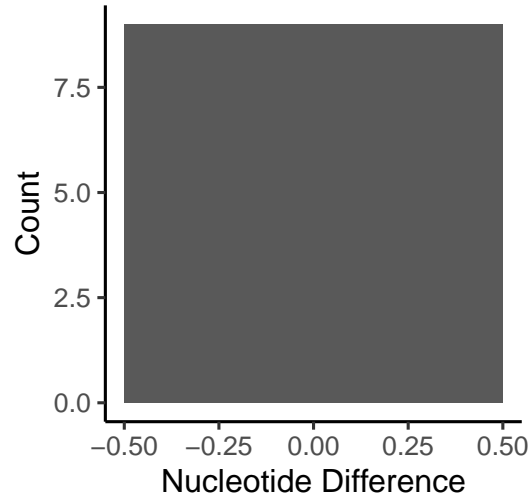
### TRBV16\*ap01

110 sequences assigned  
110 (100%) exact matches, in which:  
110 unique CDR3  
13 unique J



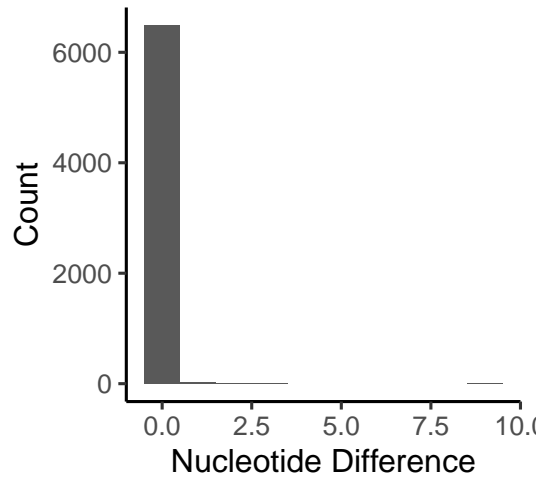
### TRBV17\*ap01

9 sequences assigned  
9 (100%) exact matches, in which:  
9 unique CDR3  
6 unique J



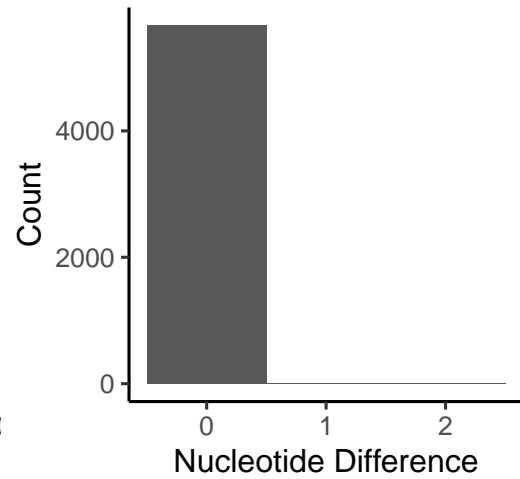
### TRBV2\*ap01

6515 sequences assigned  
6487 (99.6%) exact matches, in which:  
6469 unique CDR3  
13 unique J



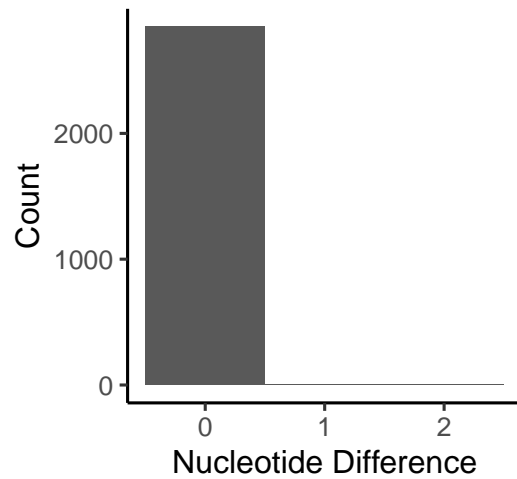
### TRBV28\*ap01

5678 sequences assigned  
5669 (99.8%) exact matches, in which:  
5665 unique CDR3  
13 unique J



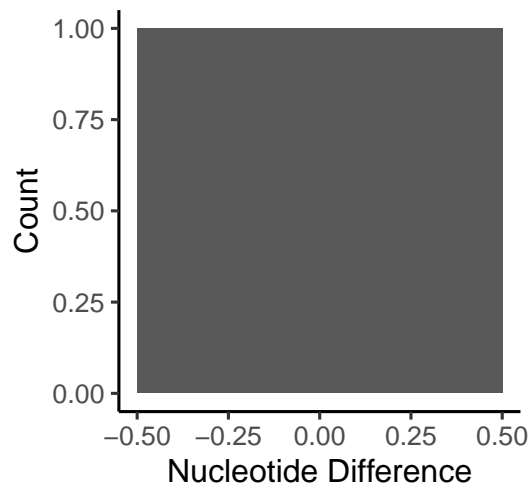
### TRBV18\*ap01

2855 sequences assigned  
2848 (99.8%) exact matches, in which:  
2845 unique CDR3  
13 unique J



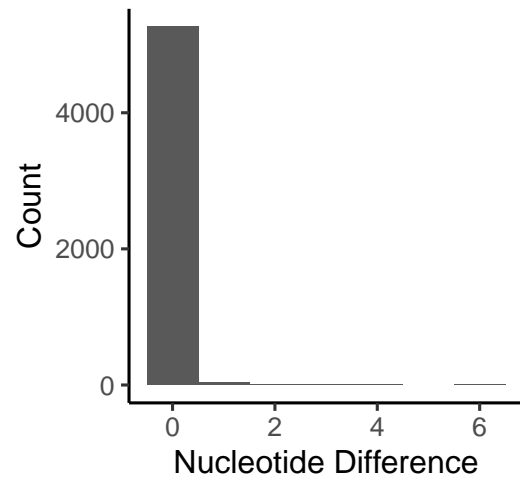
### TRBV26\*ap01

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



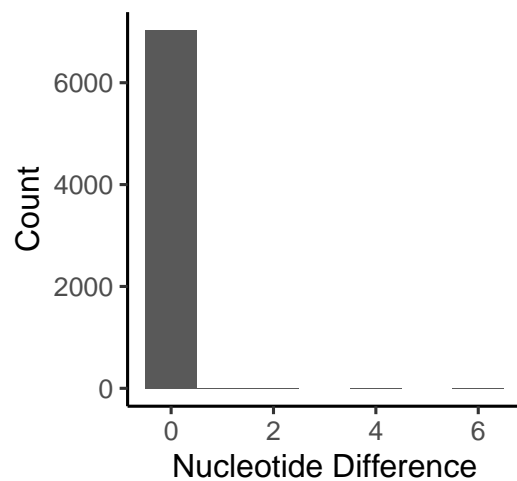
### TRBV30\*ap01

5301 sequences assigned  
5264 (99.3%) exact matches, in which:  
5247 unique CDR3  
13 unique J



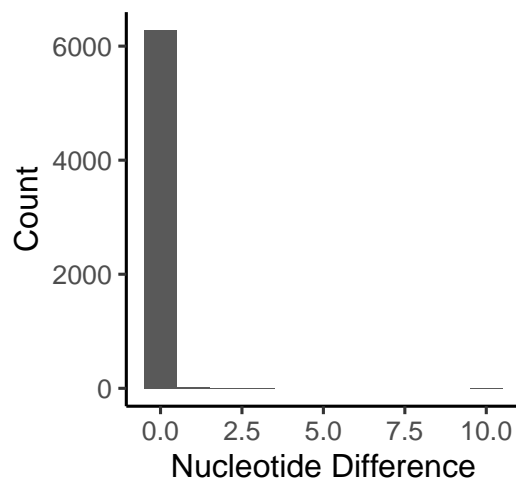
### TRBV19\*ap01

7052 sequences assigned  
7034 (99.7%) exact matches, in which:  
7031 unique CDR3  
13 unique J



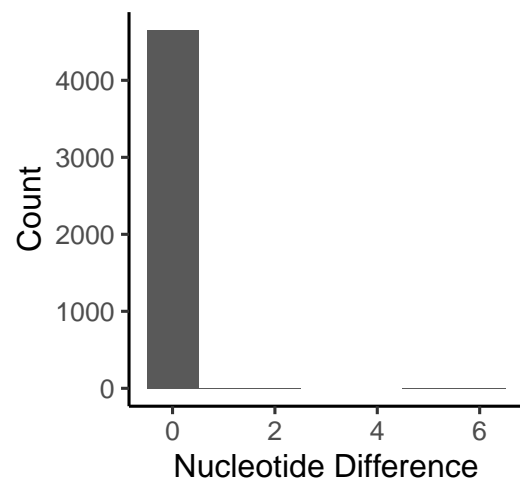
### TRBV27\*ap01

6310 sequences assigned  
6282 (99.6%) exact matches, in which:  
6263 unique CDR3  
13 unique J



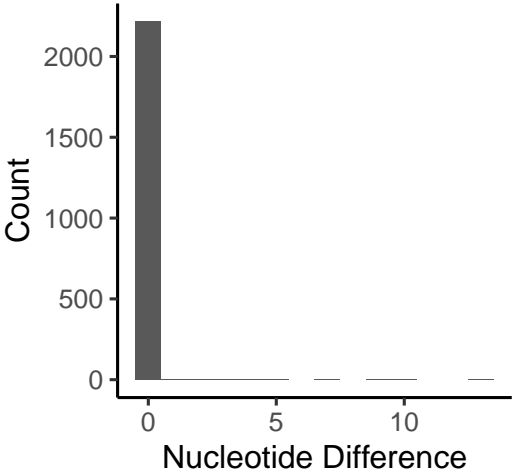
### TRBV9\*ap01

4662 sequences assigned  
4653 (99.8%) exact matches, in which:  
4649 unique CDR3  
13 unique J



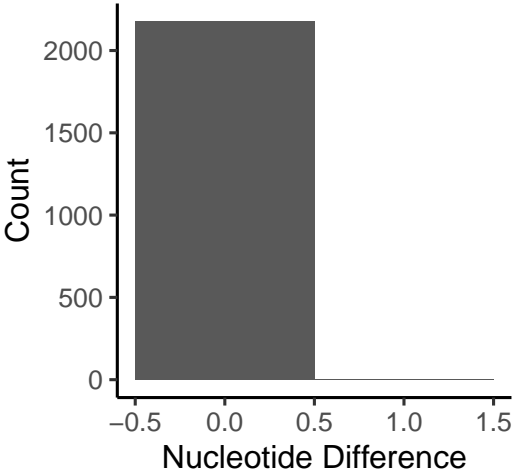
TRBV21-1\*ap01

2238 sequences assigned  
2217 (99.1%) exact matches, in which:  
2216 unique CDR3  
13 unique J



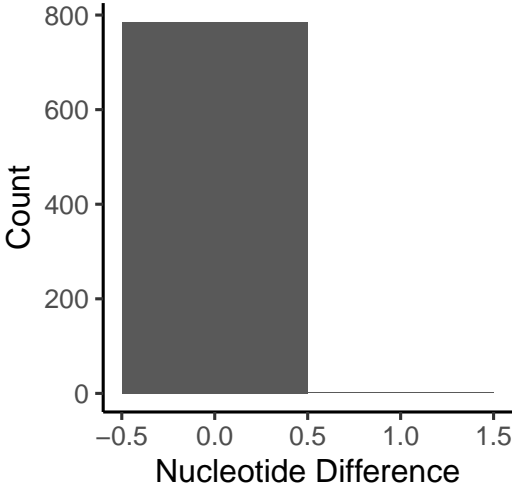
TRBV11-3\*ap01

2183 sequences assigned  
2177 (99.7%) exact matches, in which:  
2175 unique CDR3  
13 unique J



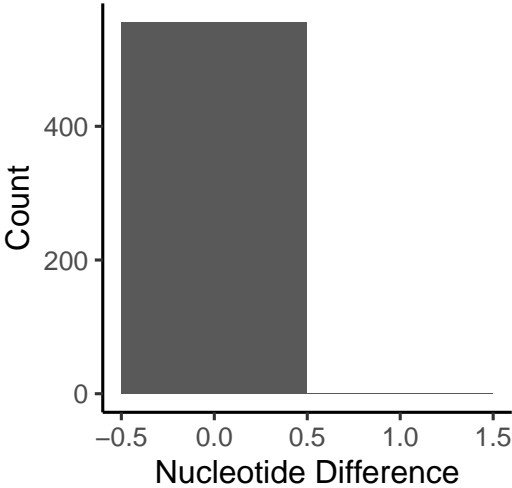
TRBV12-5\*ap01

788 sequences assigned  
786 (99.7%) exact matches, in which:  
786 unique CDR3  
13 unique J



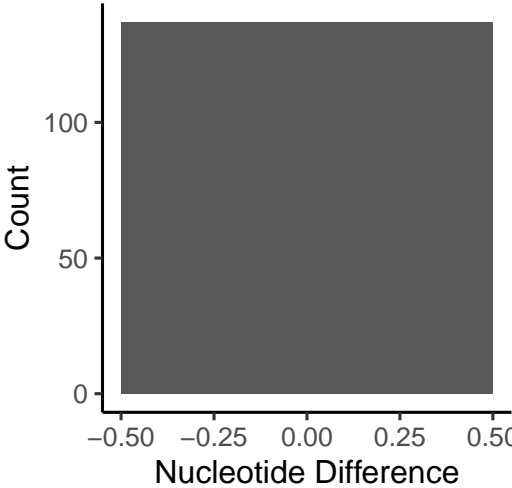
TRBV11-1\*ap01

557 sequences assigned  
556 (99.8%) exact matches, in which:  
556 unique CDR3  
13 unique J



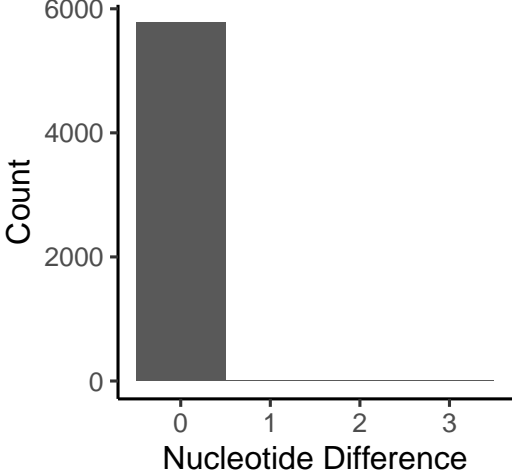
TRBV12-1\*ap01

137 sequences assigned  
137 (100%) exact matches, in which:  
137 unique CDR3  
13 unique J



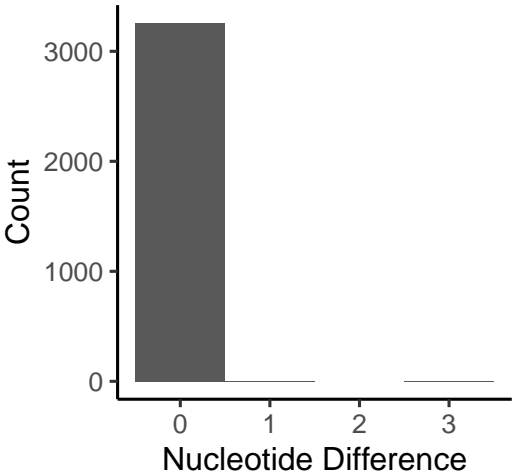
TRBV12-34\*ap01

5792 sequences assigned  
5775 (99.7%) exact matches, in which:  
5771 unique CDR3  
13 unique J



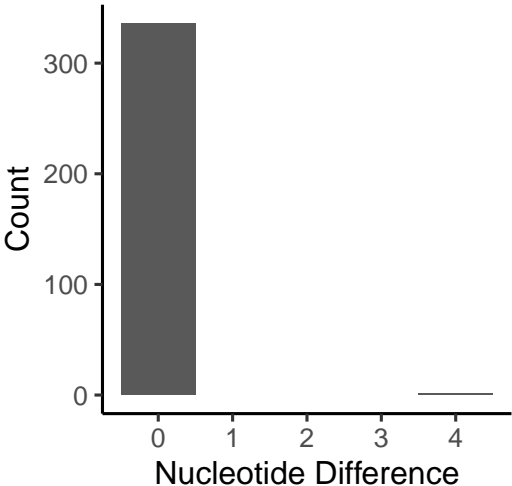
TRBV11-2\*ap01

3263 sequences assigned  
3257 (99.8%) exact matches, in which:  
3255 unique CDR3  
13 unique J



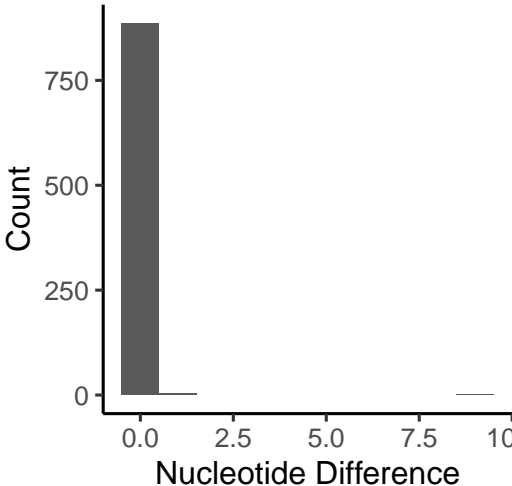
TRBV12-2\*ap01

337 sequences assigned  
336 (99.7%) exact matches, in which:  
336 unique CDR3  
13 unique J



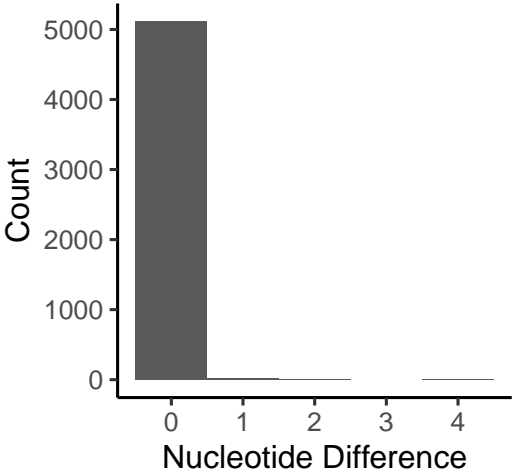
TRBV23-1\*ap01

890 sequences assigned  
886 (99.6%) exact matches, in which:  
886 unique CDR3  
13 unique J



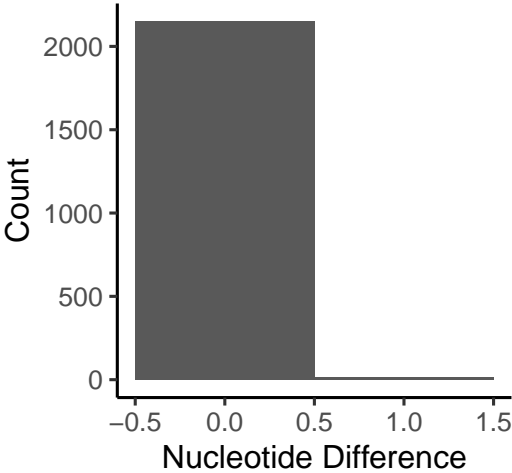
TRBV3-12\*ap01

5141 sequences assigned  
5115 (99.5%) exact matches, in which:  
5099 unique CDR3  
13 unique J



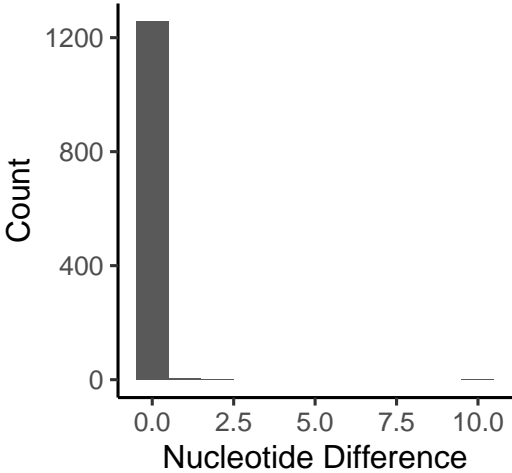
TRBV4-2\*ap01

2165 sequences assigned  
2150 (99.3%) exact matches, in which:  
2148 unique CDR3  
13 unique J



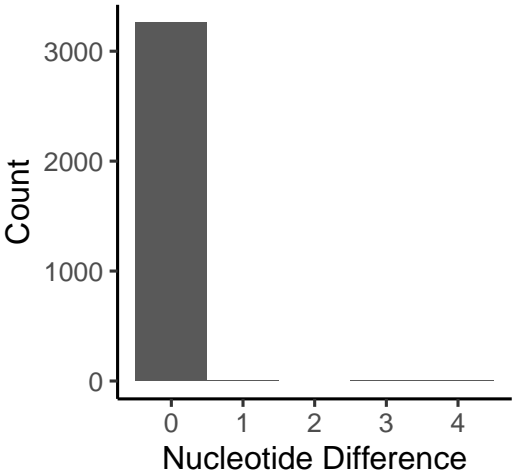
TRBV25-1\*ap01

1264 sequences assigned  
1257 (99.4%) exact matches, in which:  
1254 unique CDR3  
13 unique J



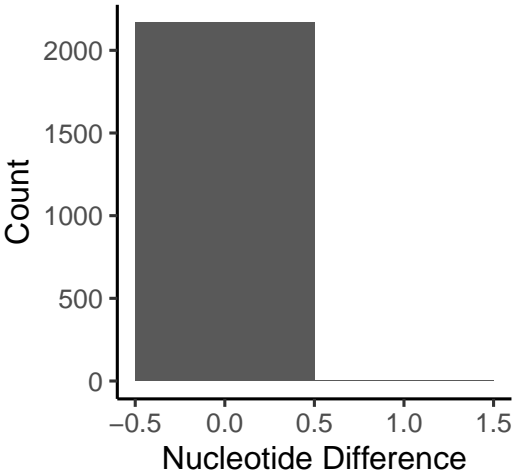
TRBV24-1\*ap01

3272 sequences assigned  
3259 (99.6%) exact matches, in which:  
3252 unique CDR3  
13 unique J



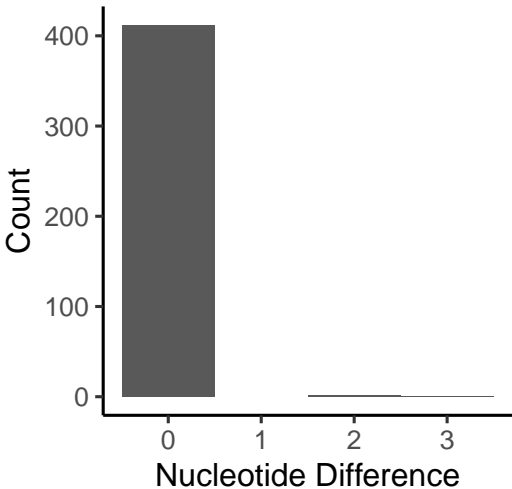
TRBV4-3\*ap01

2170 sequences assigned  
2167 (99.9%) exact matches, in which:  
2160 unique CDR3  
13 unique J



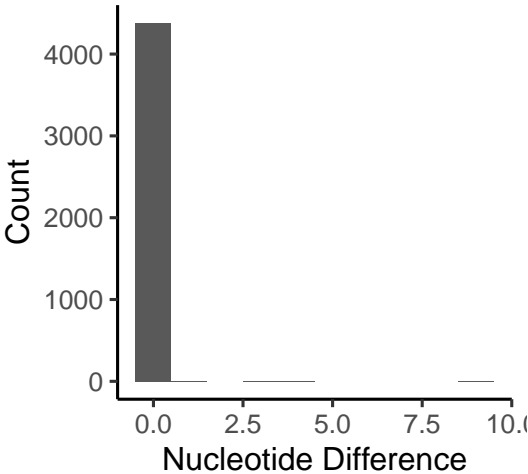
TRBV5-3\*ap01

415 sequences assigned  
412 (99.3%) exact matches, in which:  
412 unique CDR3  
13 unique J



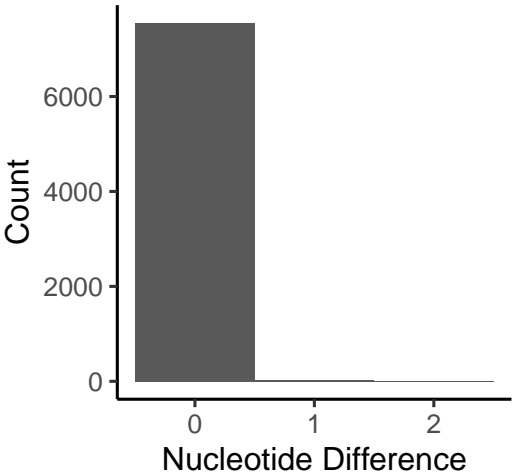
TRBV4-1\*ap01

4389 sequences assigned  
4379 (99.8%) exact matches, in which:  
4372 unique CDR3  
13 unique J



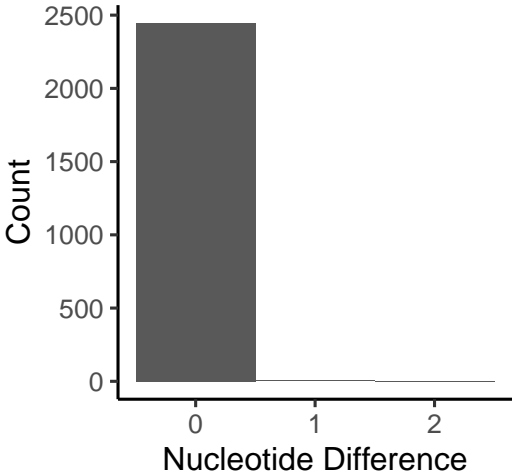
TRBV5-1\*ap01

7571 sequences assigned  
7548 (99.7%) exact matches, in which:  
7521 unique CDR3  
13 unique J



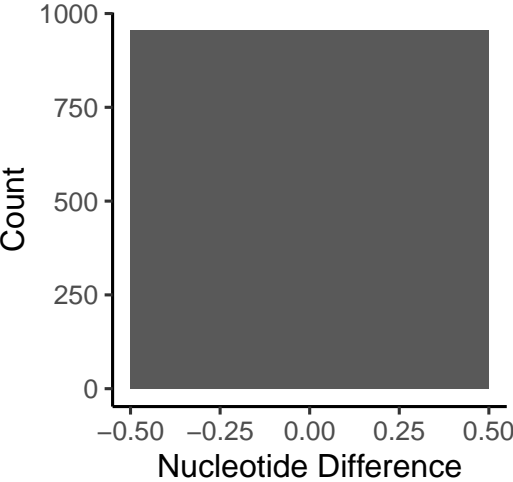
TRBV5-4\*ap01

2453 sequences assigned  
2446 (99.7%) exact matches, in which:  
2443 unique CDR3  
13 unique J



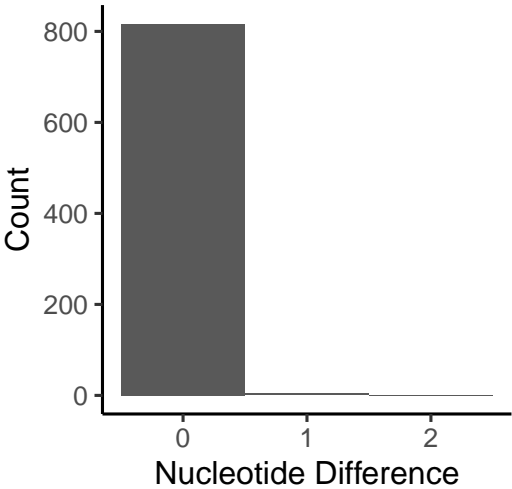
TRBV5-5\*ap01

955 sequences assigned  
955 (100%) exact matches, in which:  
954 unique CDR3  
13 unique J



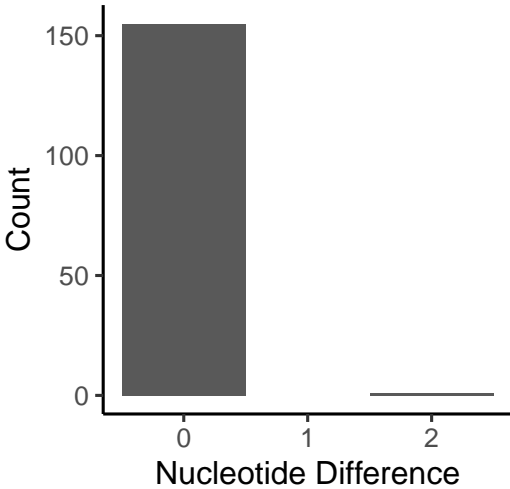
TRBV5-8\*ap01

822 sequences assigned  
817 (99.4%) exact matches, in which:  
815 unique CDR3  
13 unique J



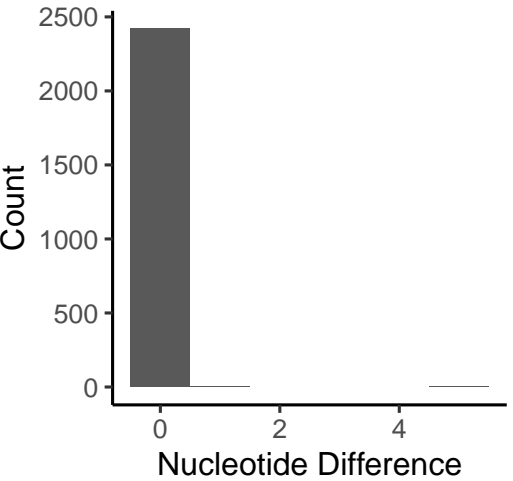
TRBV6-7\*ap01

156 sequences assigned  
155 (99.4%) exact matches, in which:  
154 unique CDR3  
13 unique J



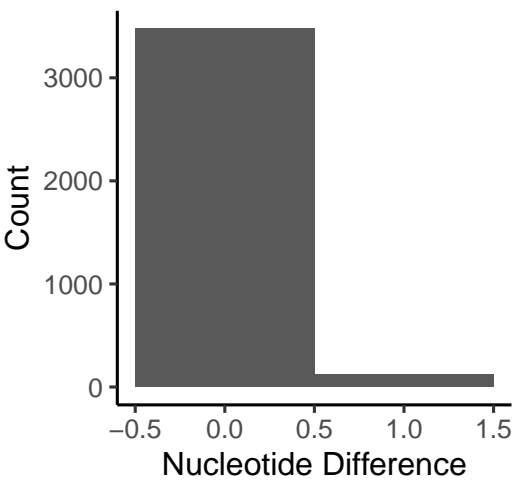
TRBV5-6\*ap01

2425 sequences assigned  
2420 (99.8%) exact matches, in which:  
2413 unique CDR3  
13 unique J



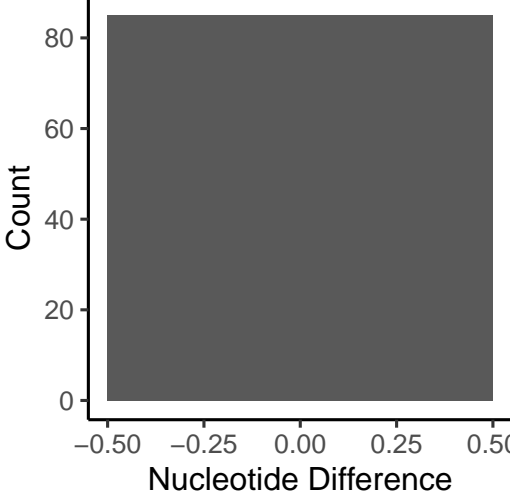
TRBV6-1\*ap01

3598 sequences assigned  
3476 (96.6%) exact matches, in which:  
3463 unique CDR3  
13 unique J



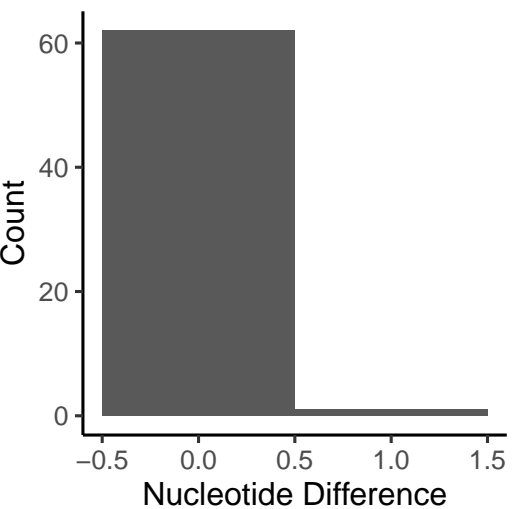
TRBV6-8\*ap01

85 sequences assigned  
85 (100%) exact matches, in which:  
85 unique CDR3  
11 unique J



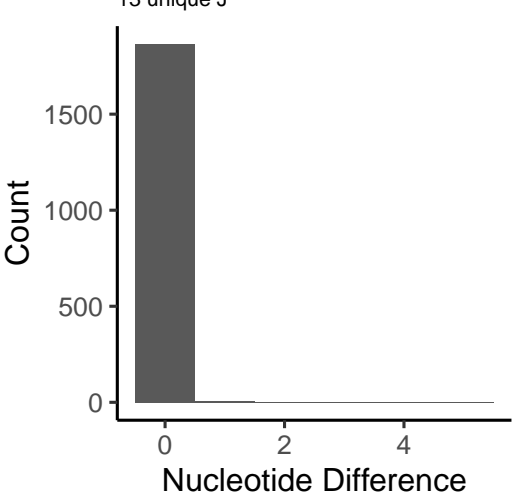
TRBV5-7\*ap01

63 sequences assigned  
62 (98.4%) exact matches, in which:  
62 unique CDR3  
13 unique J



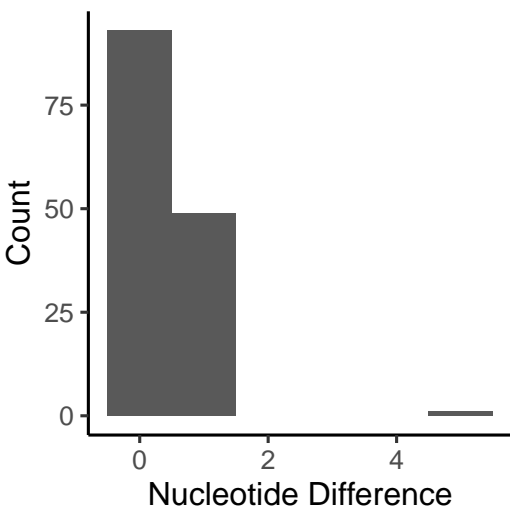
TRBV6-4\*ap01

1877 sequences assigned  
1865 (99.4%) exact matches, in which:  
1862 unique CDR3  
13 unique J



TRBV6-9\*ap01

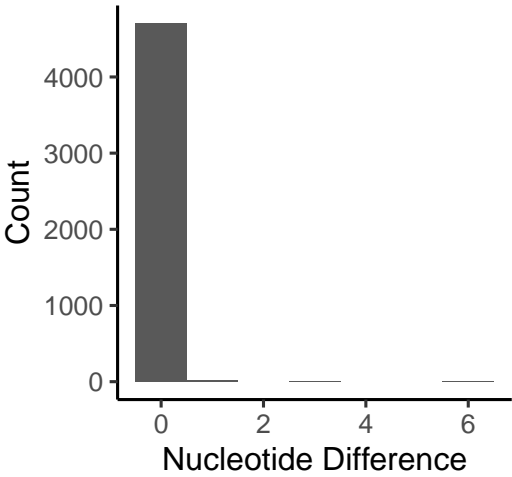
143 sequences assigned  
93 (65%) exact matches, in which:  
93 unique CDR3  
13 unique J





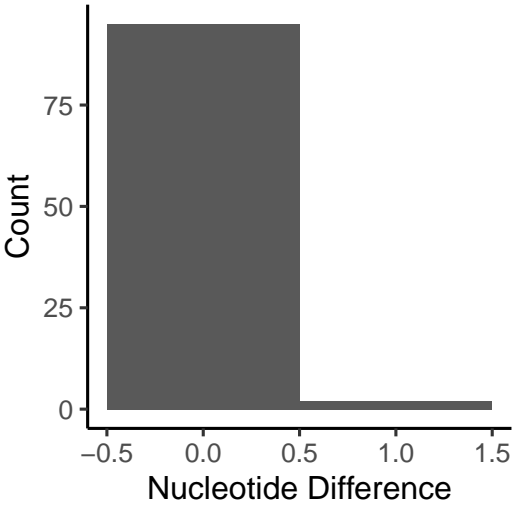
TRBV6-23\*ap01

4724 sequences assigned  
4703 (99.6%) exact matches, in which:  
4684 unique CDR3  
13 unique J



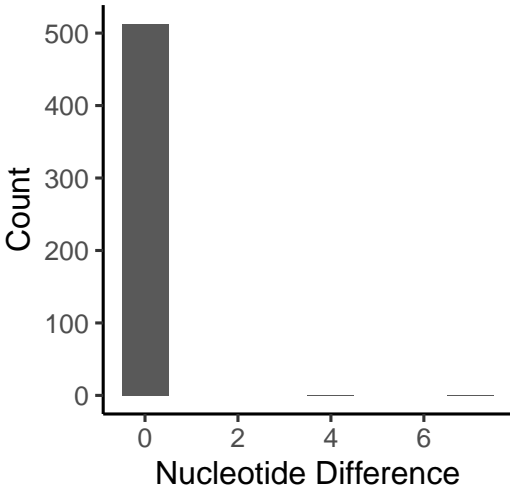
TRBV7-1\*ap01\_G291C\_T

97 sequences assigned  
95 (97.9%) exact matches, in which:  
95 unique CDR3  
13 unique J



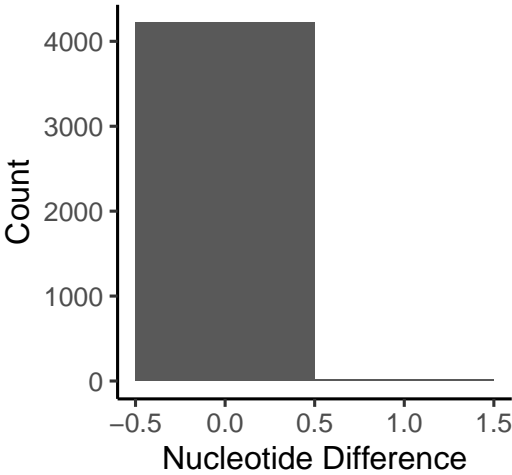
TRBV7-3\*ap01\_G292T

515 sequences assigned  
513 (99.6%) exact matches, in which:  
512 unique CDR3  
13 unique J



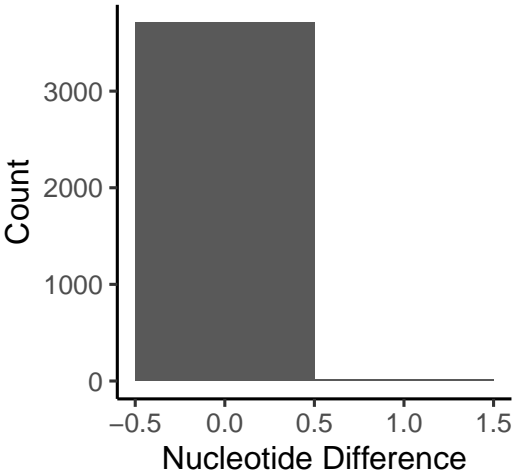
TRBV6-56\*ap01

4235 sequences assigned  
4219 (99.6%) exact matches, in which:  
4202 unique CDR3  
13 unique J



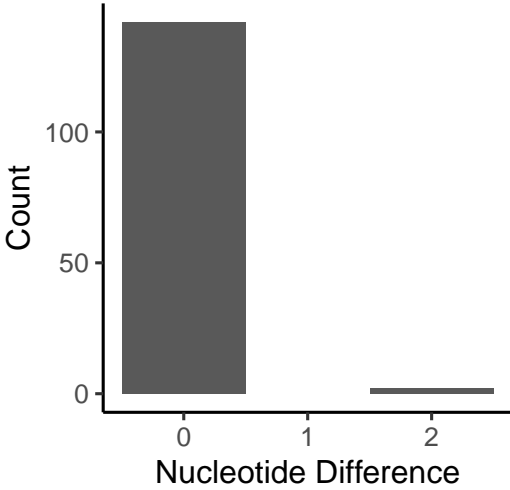
TRBV7-2\*ap01

3719 sequences assigned  
3708 (99.7%) exact matches, in which:  
3704 unique CDR3  
13 unique J



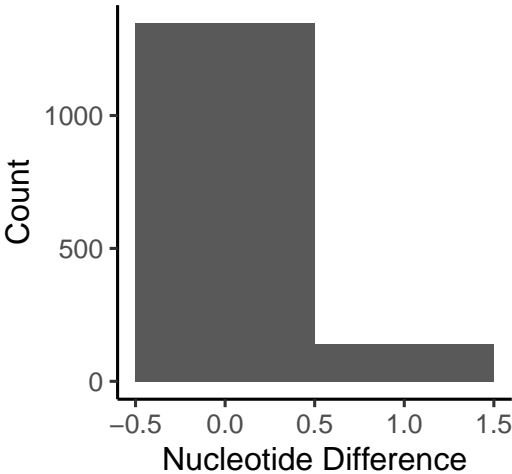
TRBV7-4\*ap01

144 sequences assigned  
142 (98.6%) exact matches, in which:  
142 unique CDR3  
13 unique J



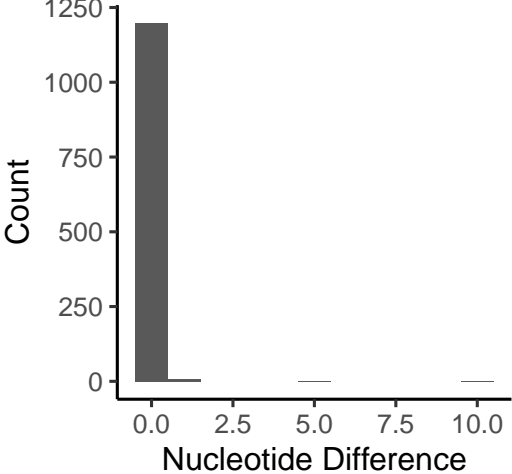
TRBV6-56\*ap02

1488 sequences assigned  
1348 (90.6%) exact matches, in which:  
1345 unique CDR3  
13 unique J



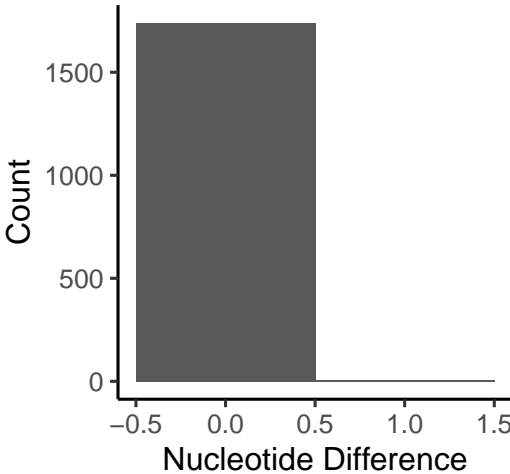
TRBV7-3\*ap01

1207 sequences assigned  
1198 (99.3%) exact matches, in which:  
1195 unique CDR3  
12 unique J



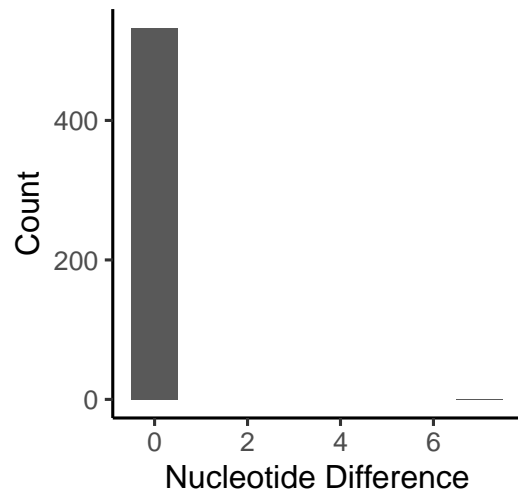
TRBV7-6\*ap01

1745 sequences assigned  
1739 (99.7%) exact matches, in which:  
1737 unique CDR3  
13 unique J



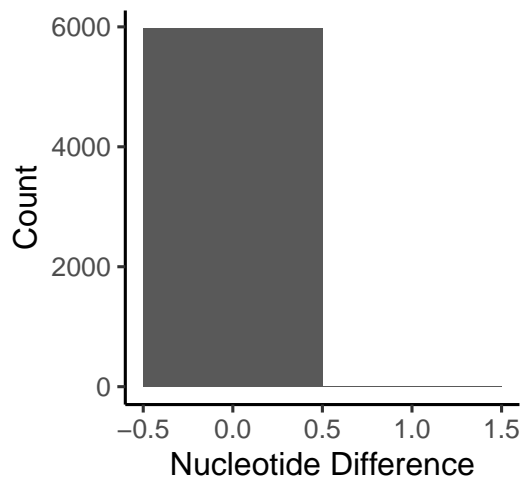
### TRBV7-7\*ap01\_C315T

534 sequences assigned  
533 (99.8%) exact matches, in which:  
530 unique CDR3  
13 unique J



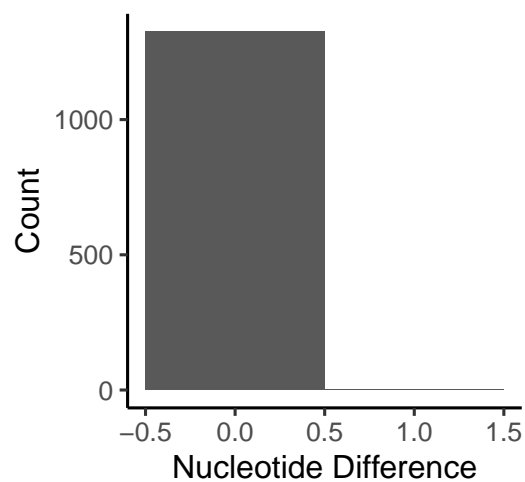
### TRBV7-9\*ap01

5985 sequences assigned  
5974 (99.8%) exact matches, in which:  
5971 unique CDR3  
13 unique J



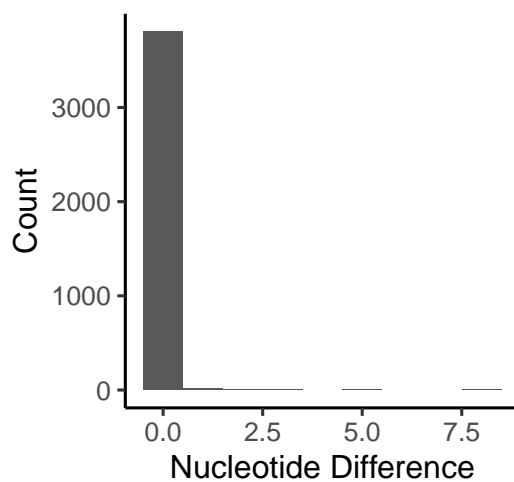
### TRBV7-8\*ap01

1326 sequences assigned  
1325 (99.9%) exact matches, in which:  
1325 unique CDR3  
13 unique J



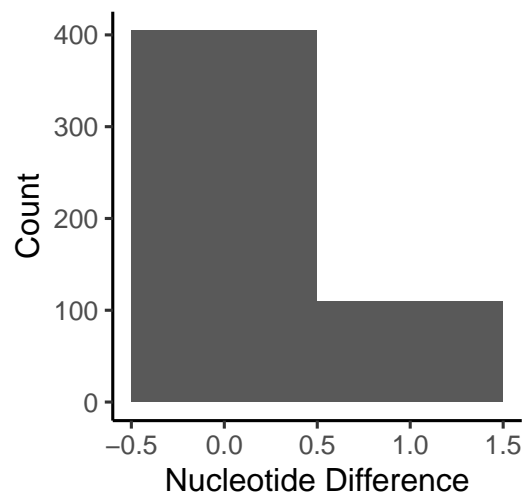
### TRBV29-1\*ap01

3824 sequences assigned  
3805 (99.5%) exact matches, in which:  
3795 unique CDR3  
13 unique J

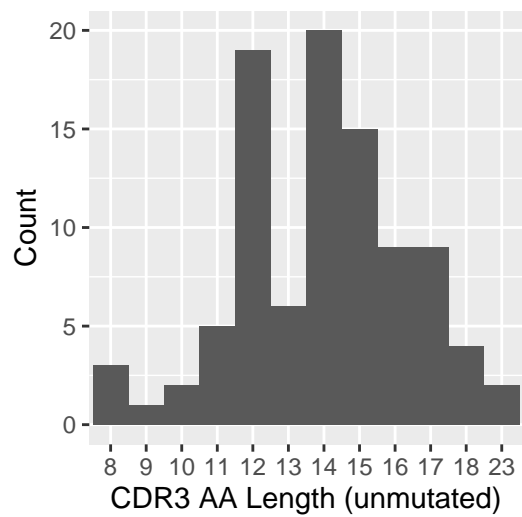


### TRBV7-8\*ap03

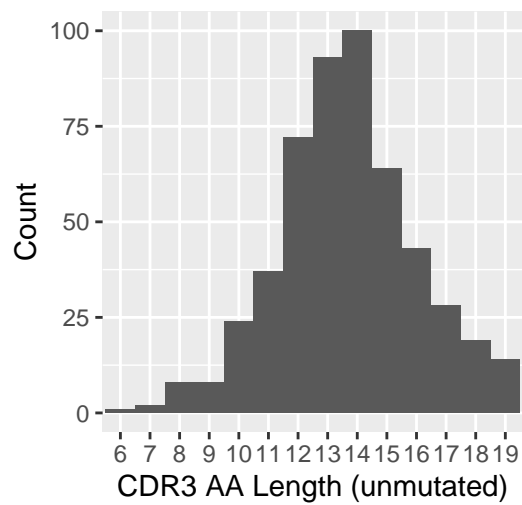
515 sequences assigned  
405 (78.6%) exact matches, in which:  
404 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-3\*ap01\_G292T



TRBV7-7\*ap01\_C315T

