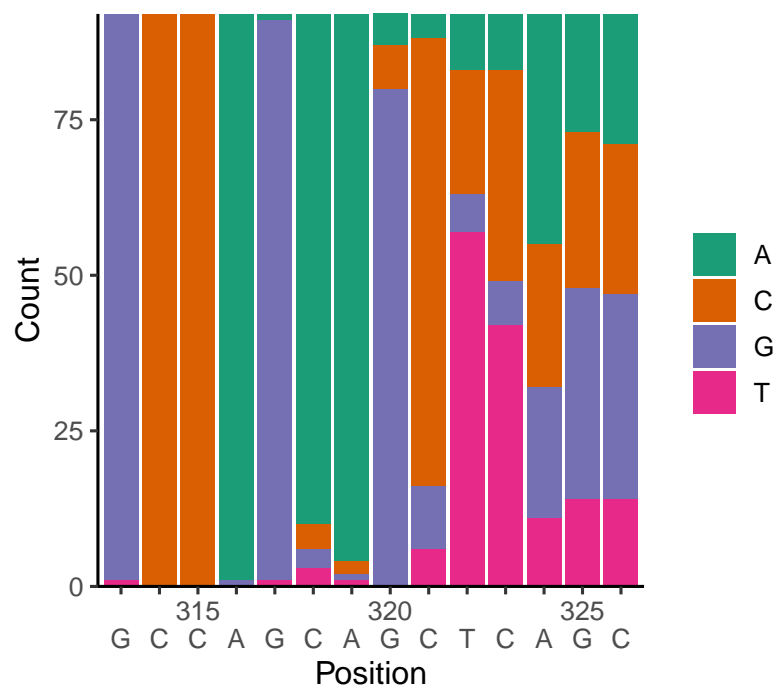
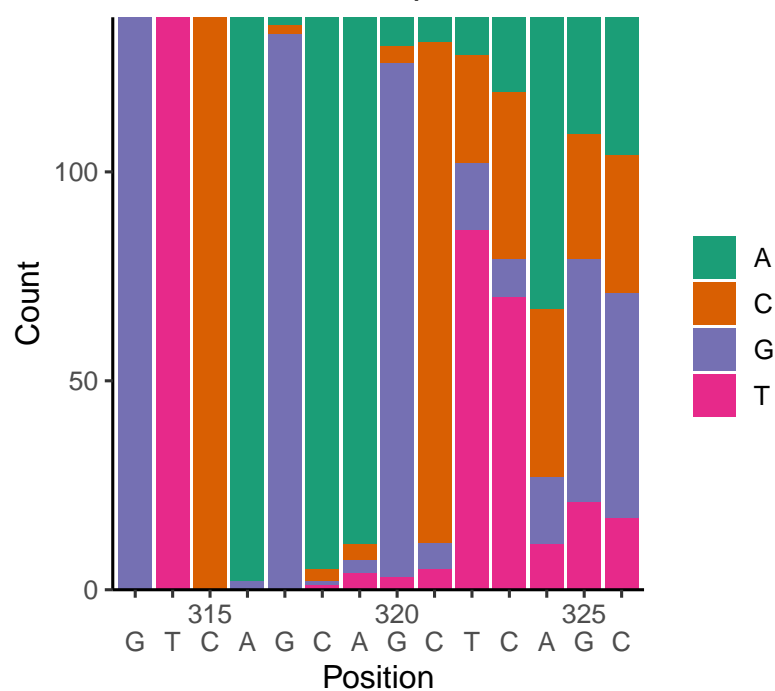


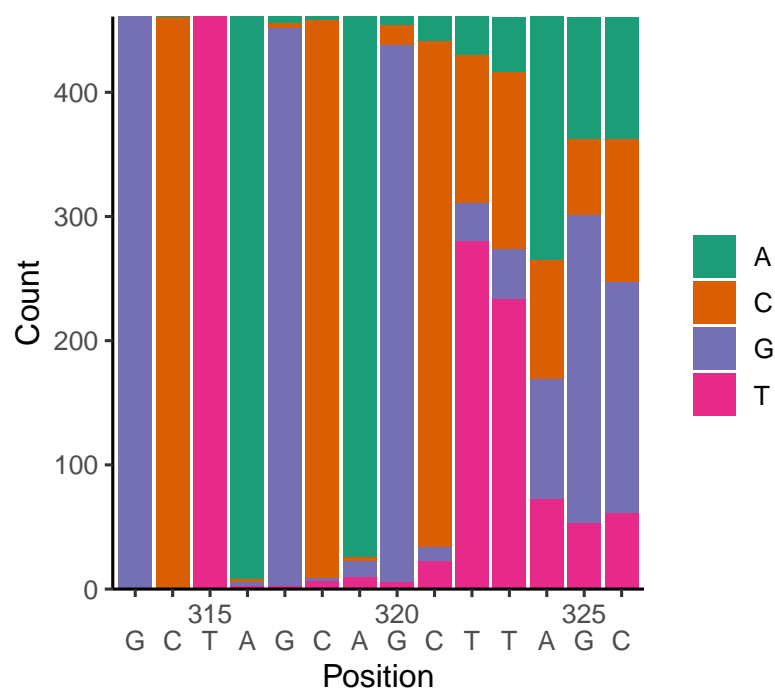
Gene TRBV7-1\*ap01\_G291C\_T296C



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



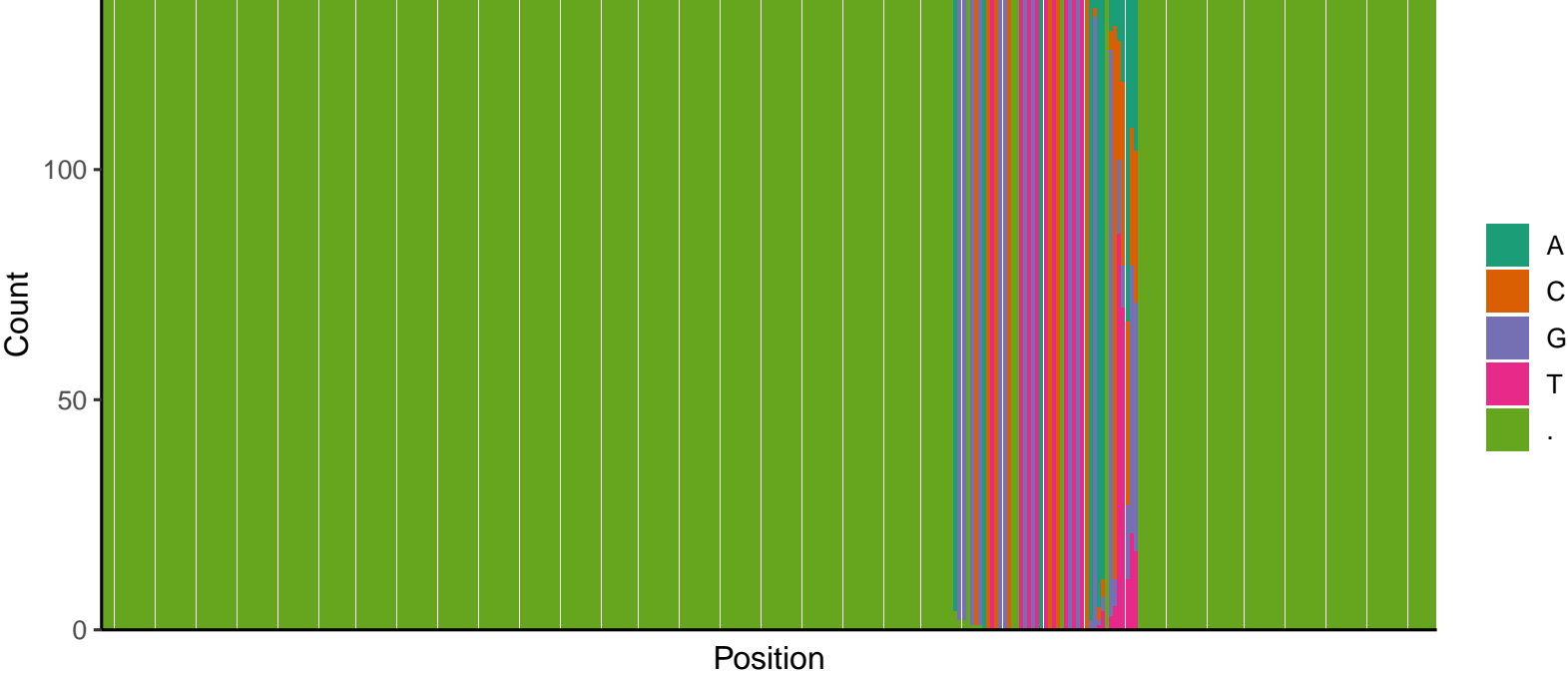
Gene TRBV7-7\*ap01\_C315T



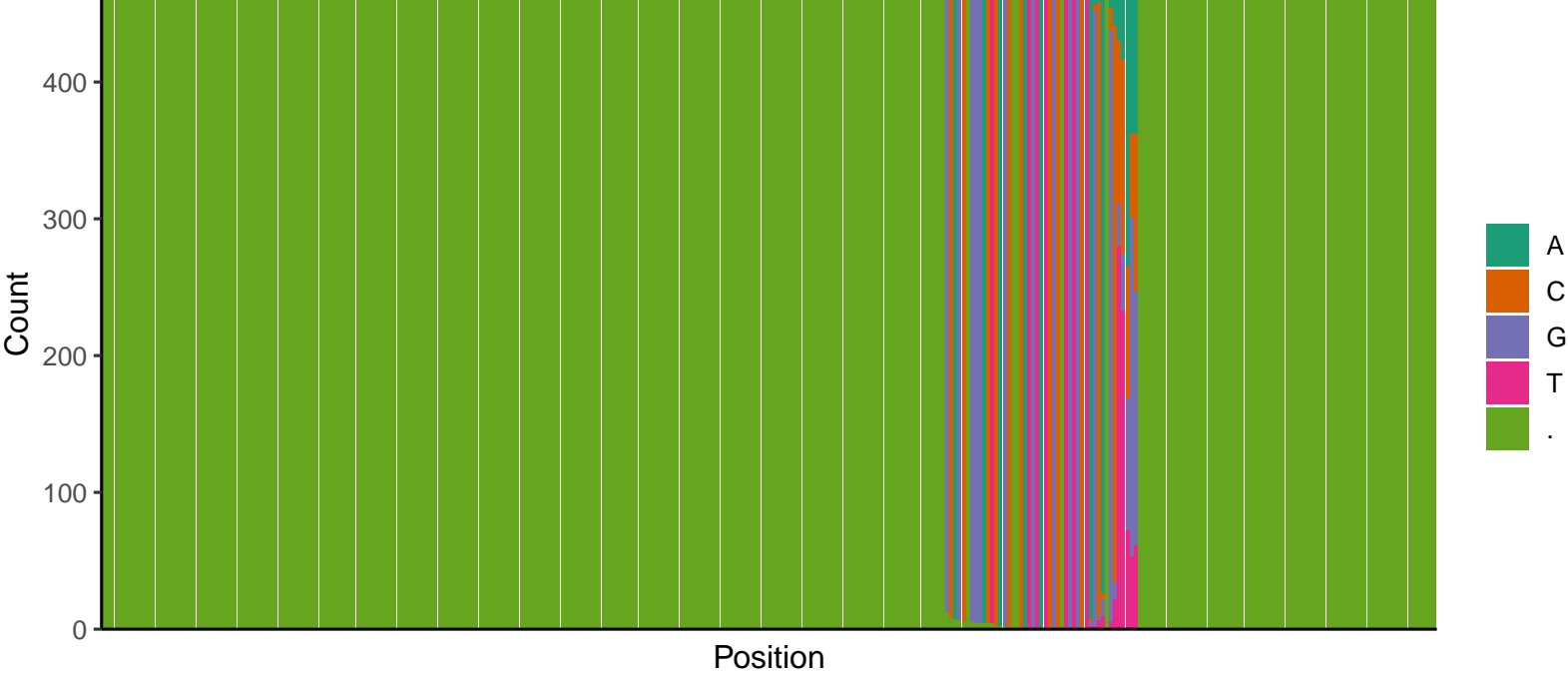
Gene TRBV7-1\*ap01\_G291C\_T296C



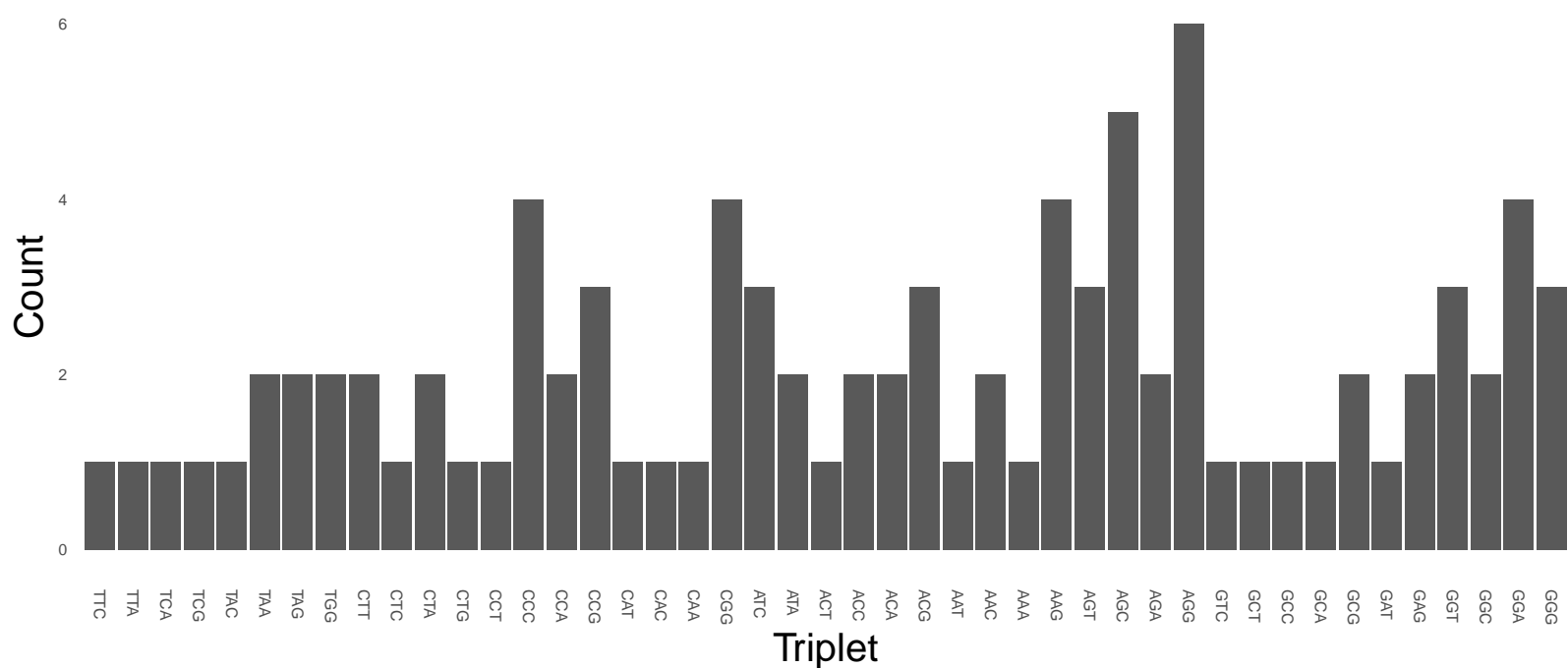
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



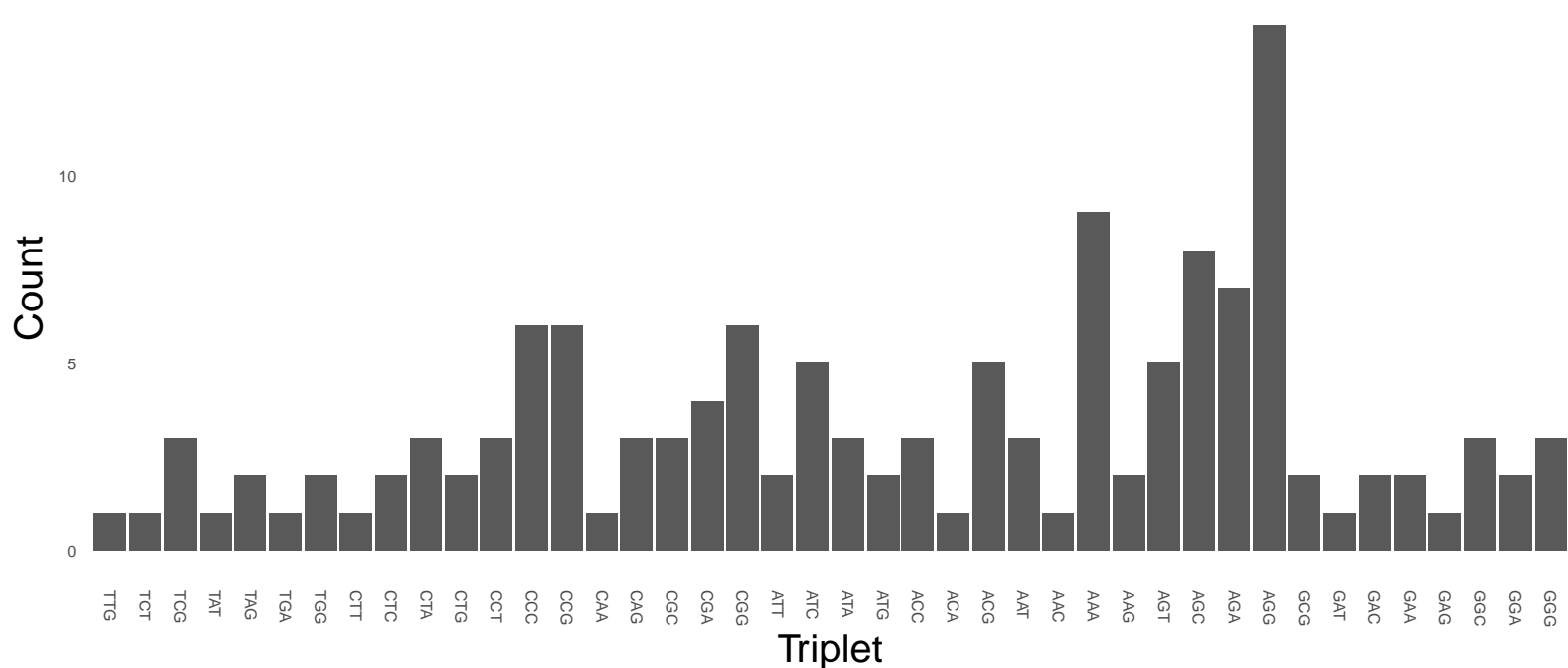
Gene TRBV7-7\*ap01\_C315T



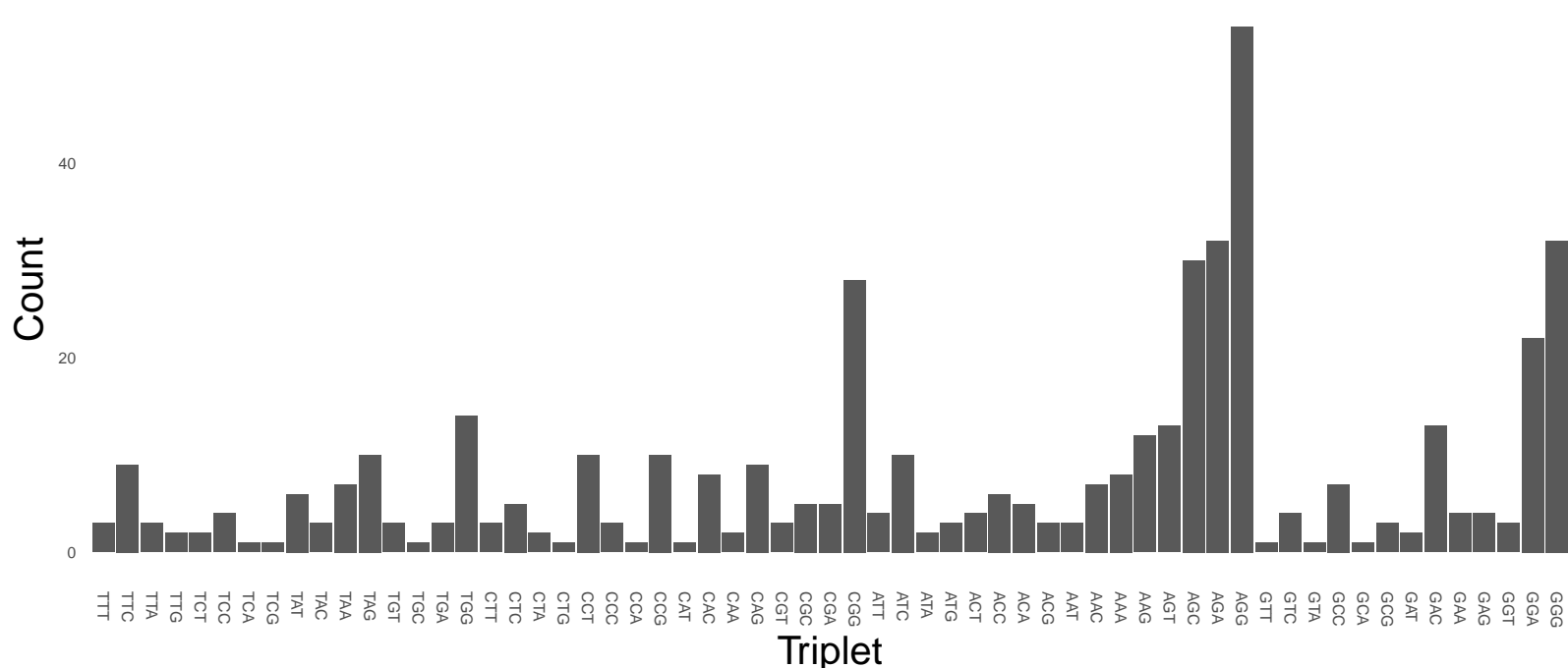
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

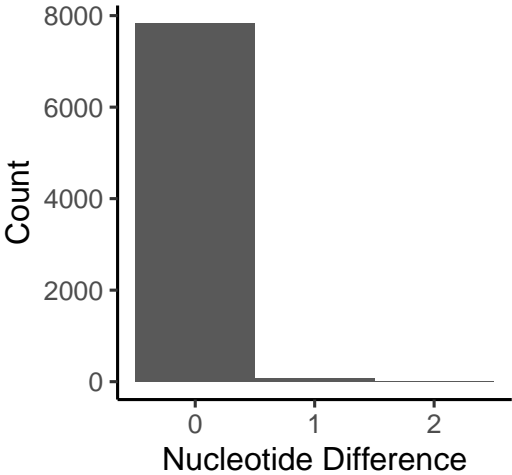


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



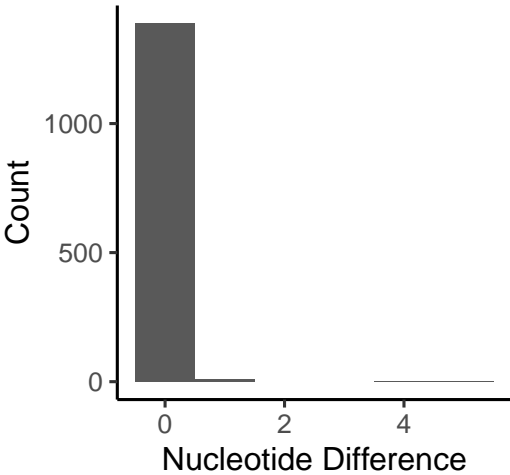
TRBV20-1\*ap01

7898 sequences assigned  
7830 (99.1%) exact matches, in which:  
7735 unique CDR3  
13 unique J



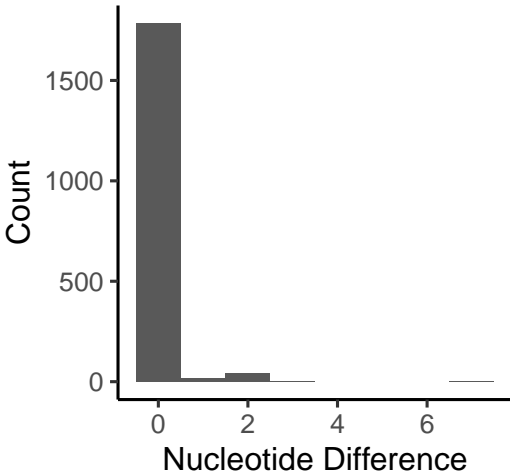
TRBV10-2\*ap01

1401 sequences assigned  
1388 (99.1%) exact matches, in which:  
1363 unique CDR3  
13 unique J



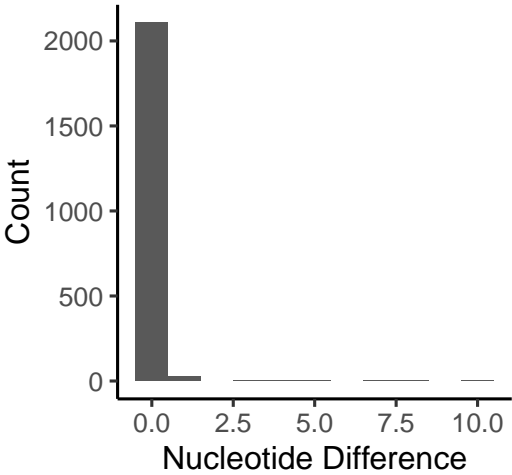
TRBV13\*ap01

1842 sequences assigned  
1784 (96.9%) exact matches, in which:  
1746 unique CDR3  
13 unique J



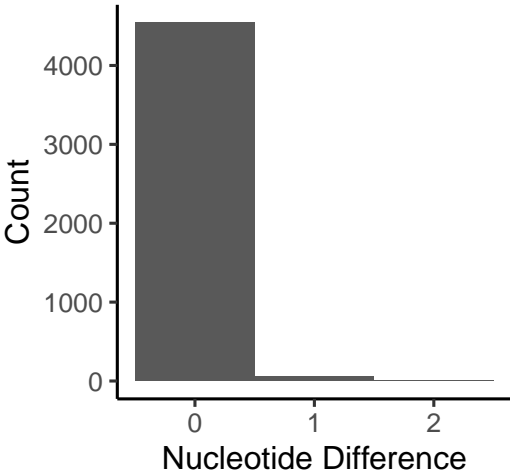
TRBV10-1\*ap01

2147 sequences assigned  
2107 (98.1%) exact matches, in which:  
2063 unique CDR3  
13 unique J



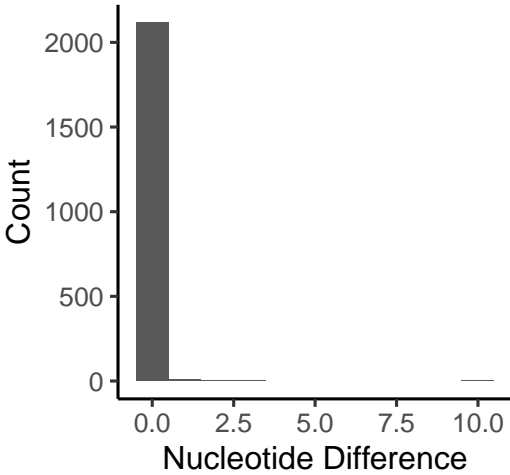
TRBV10-3\*ap01

4605 sequences assigned  
4542 (98.6%) exact matches, in which:  
4462 unique CDR3  
13 unique J



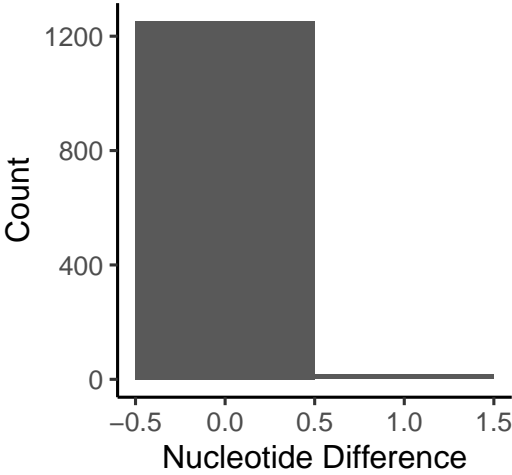
TRBV14\*ap01

2129 sequences assigned  
2116 (99.4%) exact matches, in which:  
2088 unique CDR3  
13 unique J



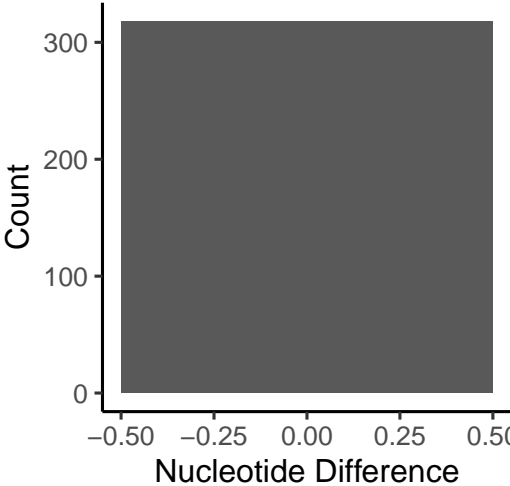
TRBV20-1\*ap02

1270 sequences assigned  
1253 (98.7%) exact matches, in which:  
1233 unique CDR3  
13 unique J



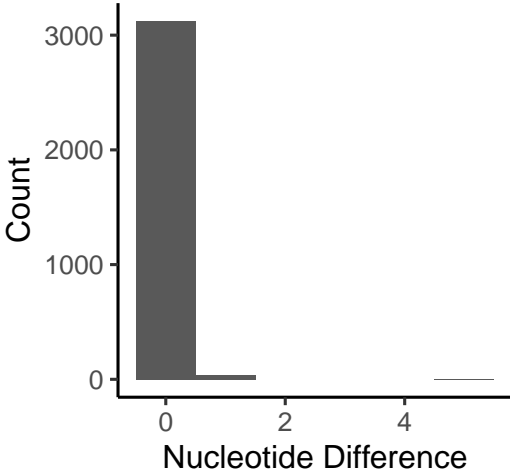
TRBV1\*ap01

318 sequences assigned  
318 (100%) exact matches, in which:  
311 unique CDR3  
13 unique J



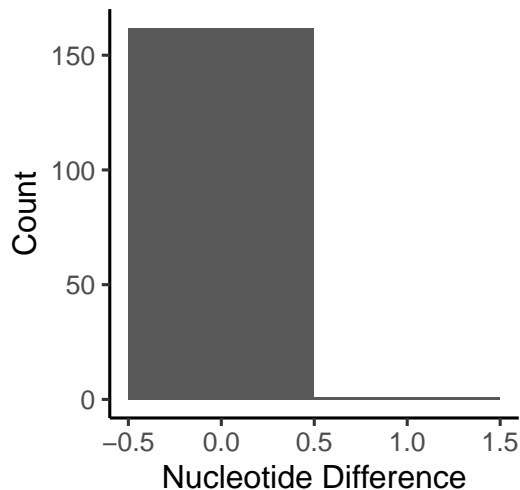
TRBV15\*ap02

3162 sequences assigned  
3123 (98.8%) exact matches, in which:  
3072 unique CDR3  
13 unique J



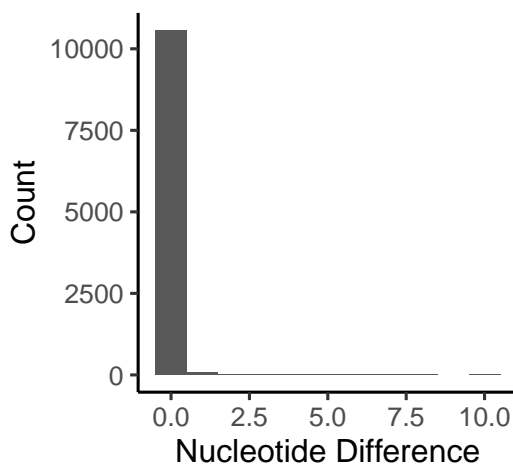
### TRBV16\*ap01

163 sequences assigned  
162 (99.4%) exact matches, in which:  
161 unique CDR3  
13 unique J



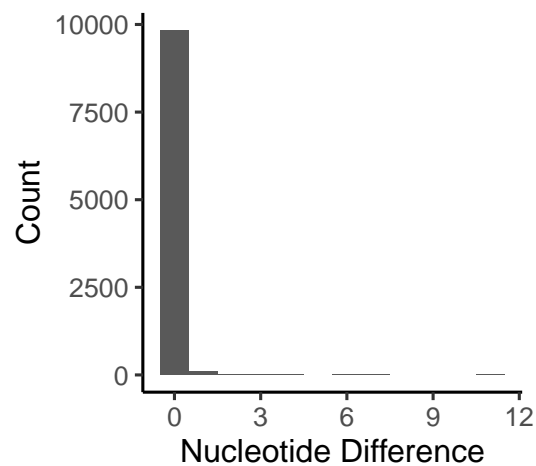
### TRBV19\*ap01

10666 sequences assigned  
10572 (99.1%) exact matches, in which:  
10490 unique CDR3  
13 unique J



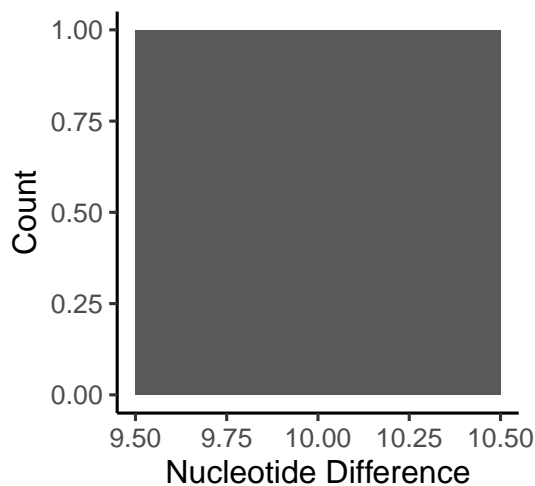
### TRBV27\*ap01

9966 sequences assigned  
9838 (98.7%) exact matches, in which:  
9631 unique CDR3  
13 unique J



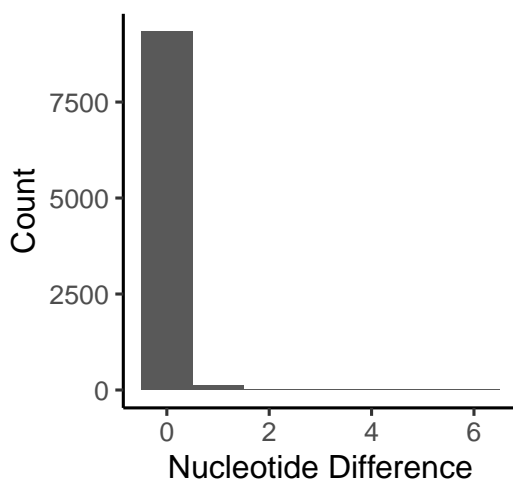
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



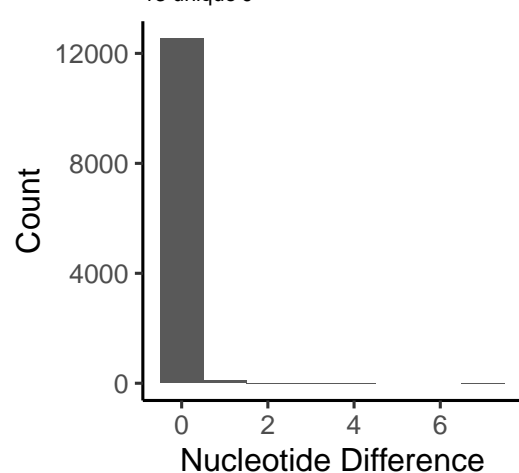
### TRBV2\*ap01

9454 sequences assigned  
9332 (98.7%) exact matches, in which:  
9173 unique CDR3  
13 unique J



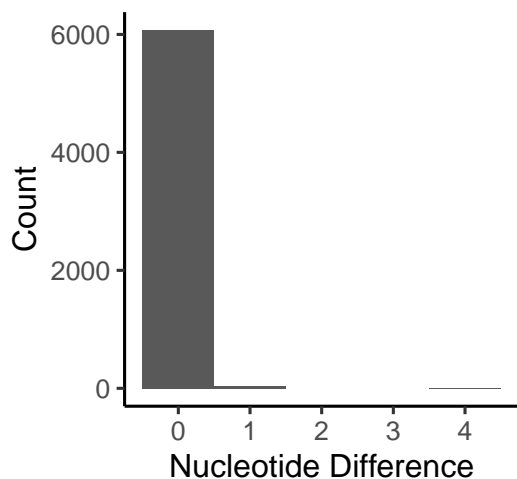
### TRBV28\*ap01

12661 sequences assigned  
12543 (99.1%) exact matches, in which:  
12391 unique CDR3  
13 unique J



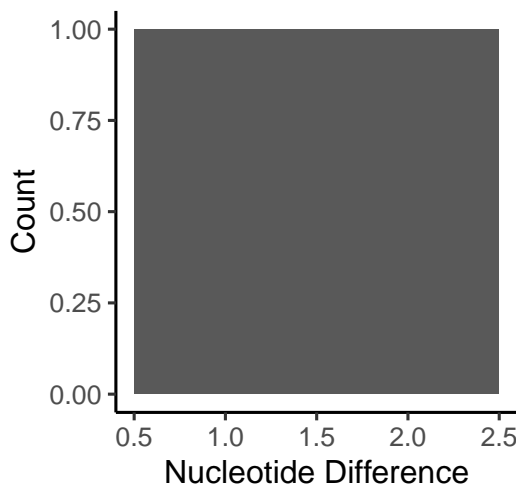
### TRBV18\*ap01

6111 sequences assigned  
6074 (99.4%) exact matches, in which:  
6026 unique CDR3  
13 unique J



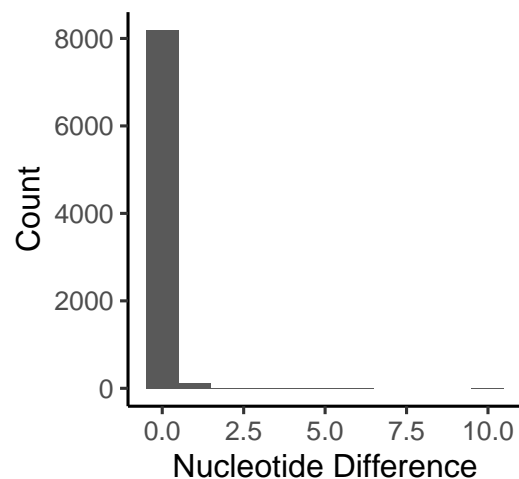
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



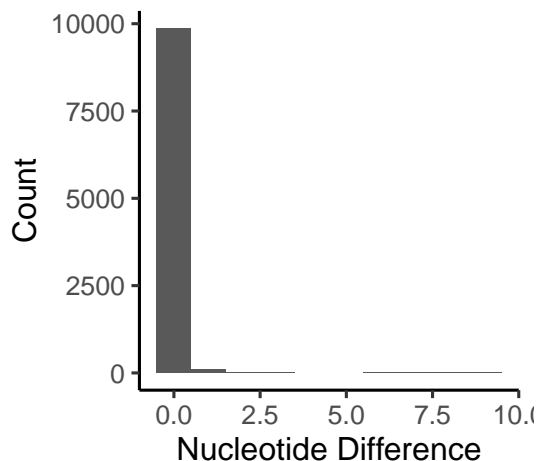
### TRBV30\*ap01

8336 sequences assigned  
8192 (98.3%) exact matches, in which:  
8056 unique CDR3  
13 unique J



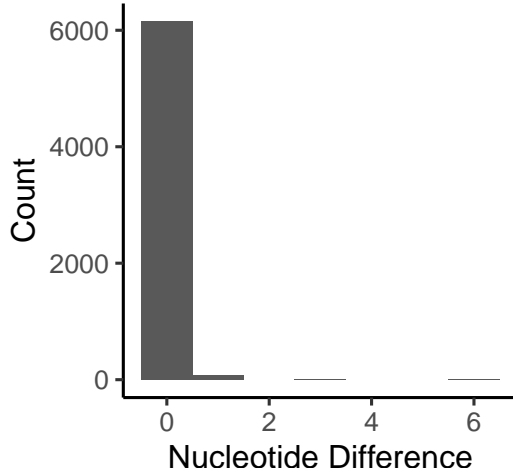
### TRBV9\*ap01

9965 sequences assigned  
9873 (99.1%) exact matches, in which:  
9758 unique CDR3  
13 unique J



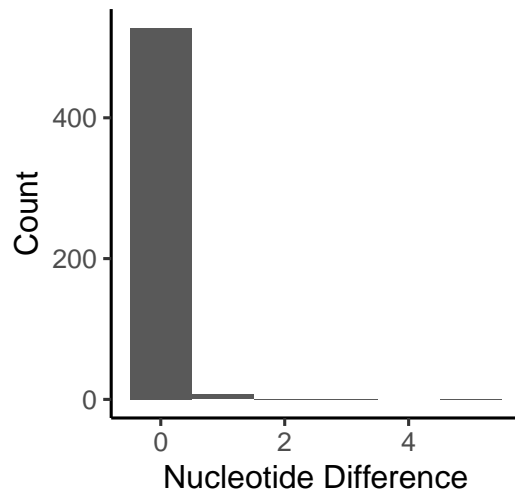
### TRBV11-2\*ap01

6226 sequences assigned  
6152 (98.8%) exact matches, in which:  
6037 unique CDR3  
13 unique J



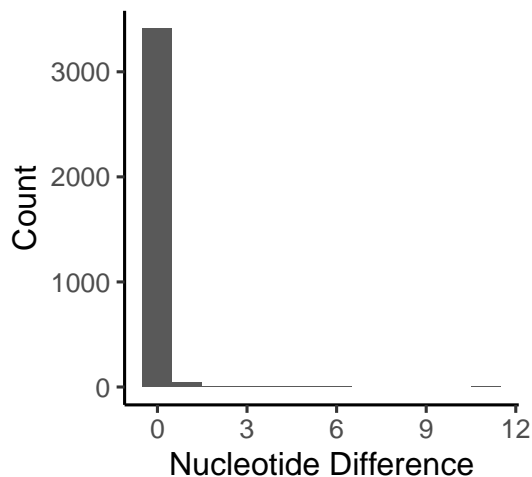
### TRBV12-2\*ap01

538 sequences assigned  
528 (98.1%) exact matches, in which:  
520 unique CDR3  
13 unique J



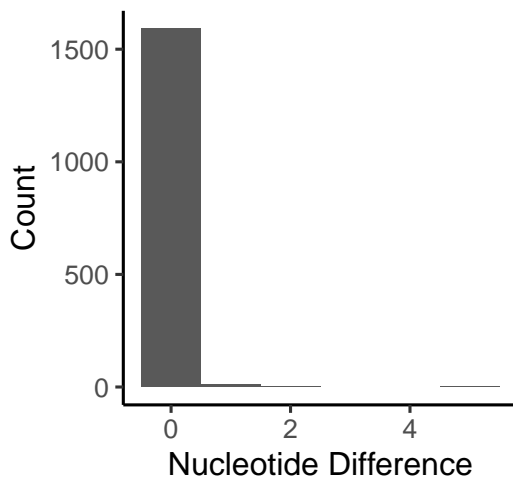
### TRBV21-1\*ap01

3468 sequences assigned  
3410 (98.3%) exact matches, in which:  
3382 unique CDR3  
13 unique J



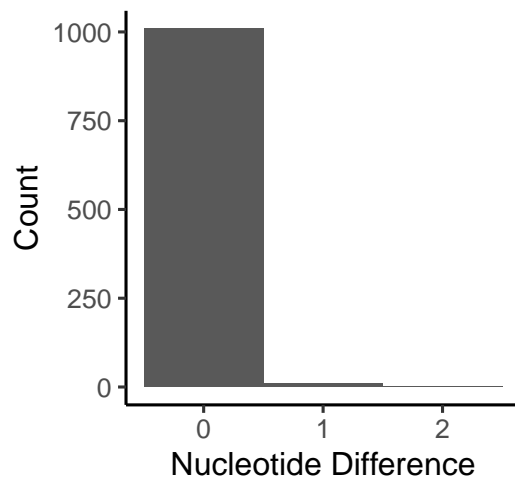
### TRBV11-3\*ap01

1604 sequences assigned  
1591 (99.2%) exact matches, in which:  
1561 unique CDR3  
13 unique J



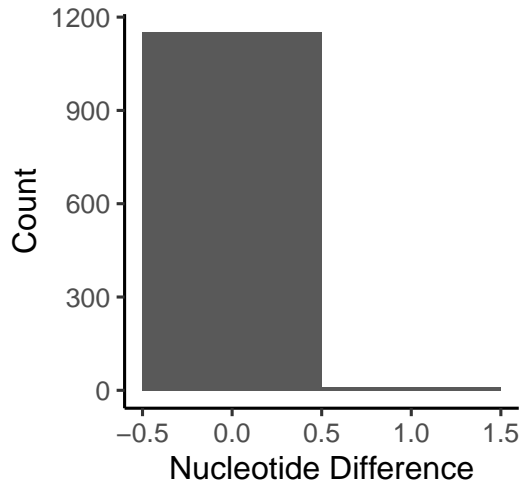
### TRBV12-5\*ap01

1019 sequences assigned  
1009 (99%) exact matches, in which:  
989 unique CDR3  
13 unique J



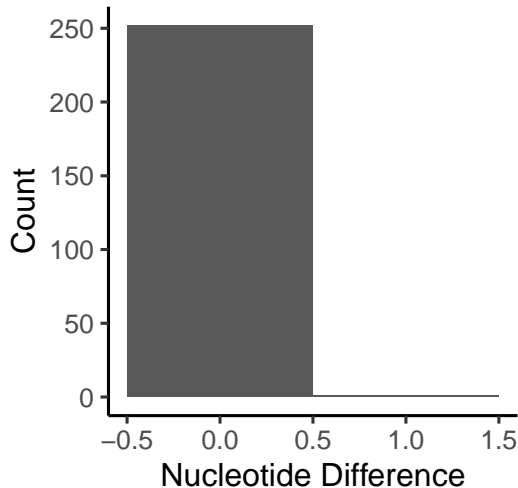
### TRBV11-1\*ap01

1163 sequences assigned  
1152 (99.1%) exact matches, in which:  
1126 unique CDR3  
13 unique J



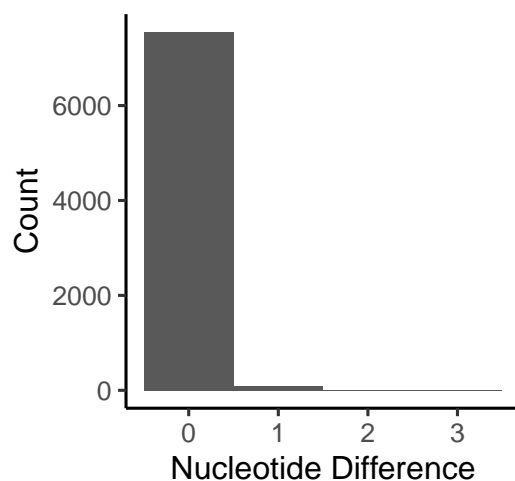
### TRBV12-1\*ap01

253 sequences assigned  
252 (99.6%) exact matches, in which:  
250 unique CDR3  
13 unique J



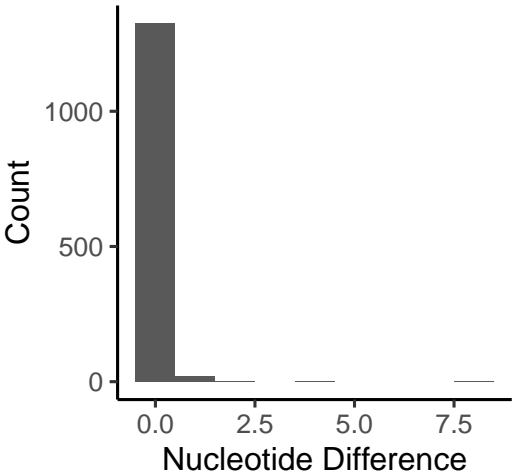
### TRBV12-34\*ap01

7643 sequences assigned  
7549 (98.8%) exact matches, in which:  
7423 unique CDR3  
13 unique J



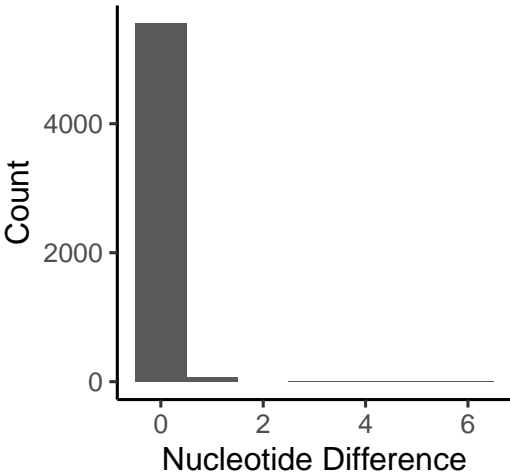
TRBV23-1\*ap01

1350 sequences assigned  
1325 (98.1%) exact matches, in which:  
1307 unique CDR3  
13 unique J



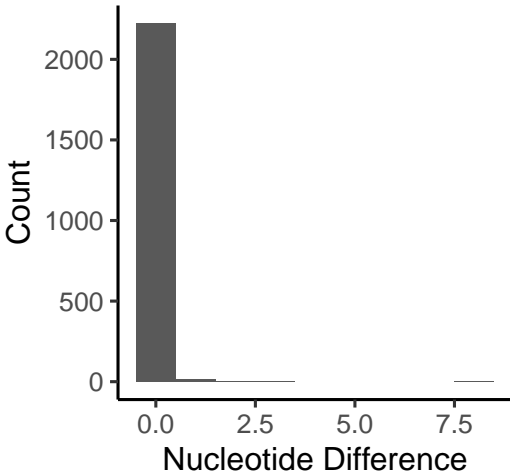
TRBV24-1\*ap01

5634 sequences assigned  
5556 (98.6%) exact matches, in which:  
5460 unique CDR3  
13 unique J



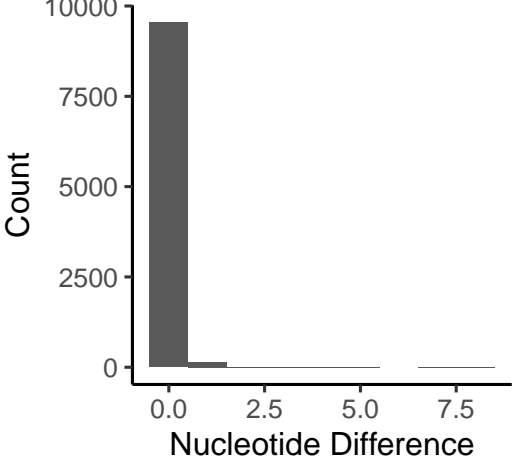
TRBV25-1\*ap01

2246 sequences assigned  
2223 (99%) exact matches, in which:  
2190 unique CDR3  
13 unique J



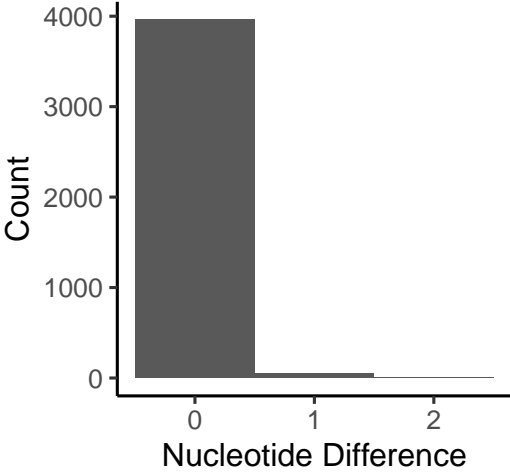
TRBV3-12\*ap01

9694 sequences assigned  
9544 (98.5%) exact matches, in which:  
9368 unique CDR3  
14 unique J



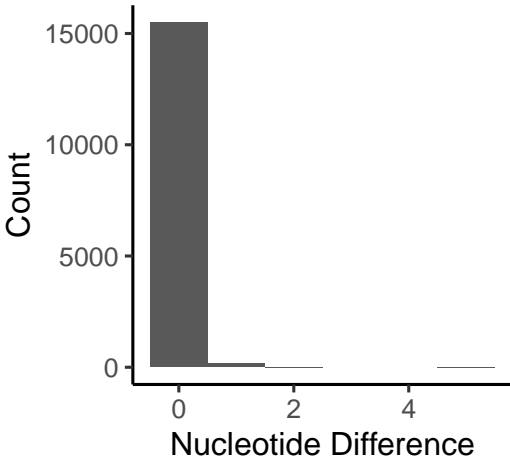
TRBV4-2\*ap01

4011 sequences assigned  
3961 (98.8%) exact matches, in which:  
3886 unique CDR3  
13 unique J



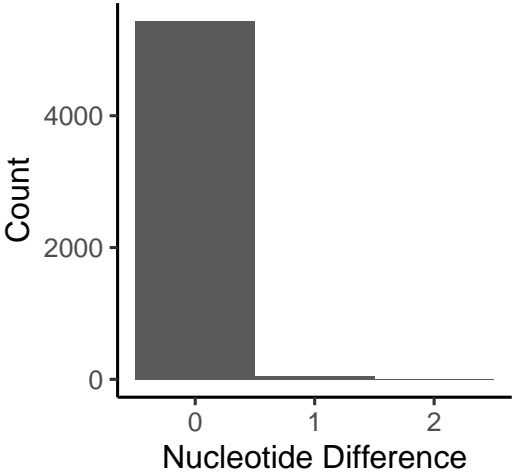
TRBV5-1\*ap01

15665 sequences assigned  
15495 (98.9%) exact matches, in which:  
15179 unique CDR3  
13 unique J



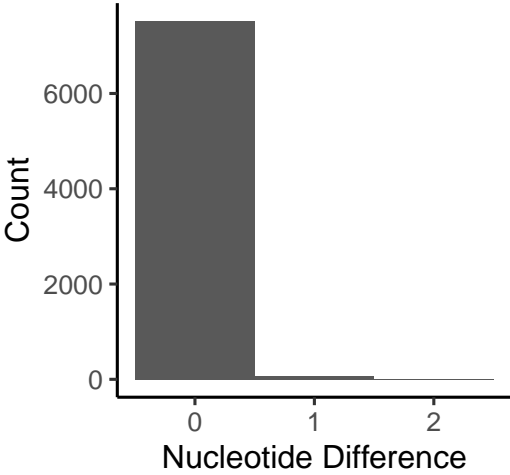
TRBV4-1\*ap01

5491 sequences assigned  
5437 (99%) exact matches, in which:  
5331 unique CDR3  
13 unique J



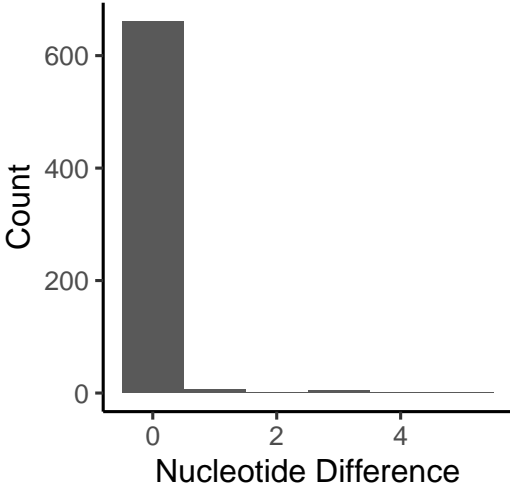
TRBV4-3\*ap01

7588 sequences assigned  
7520 (99.1%) exact matches, in which:  
7397 unique CDR3  
13 unique J



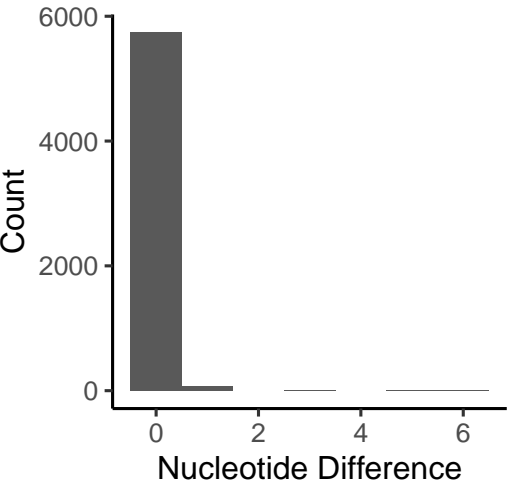
TRBV5-3\*ap01

675 sequences assigned  
661 (97.9%) exact matches, in which:  
654 unique CDR3  
13 unique J



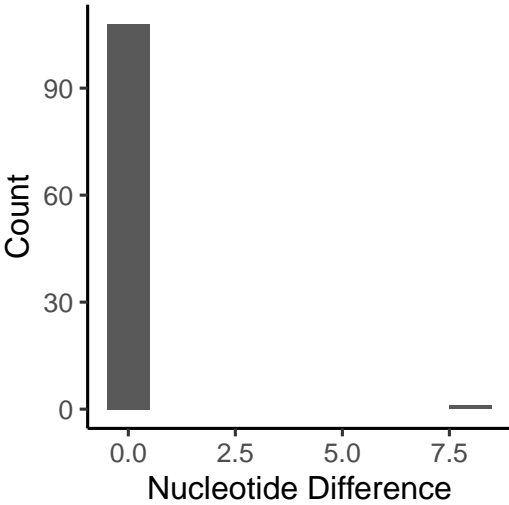
TRBV5-4\*ap01

5812 sequences assigned  
5741 (98.8%) exact matches, in which:  
5660 unique CDR3  
13 unique J



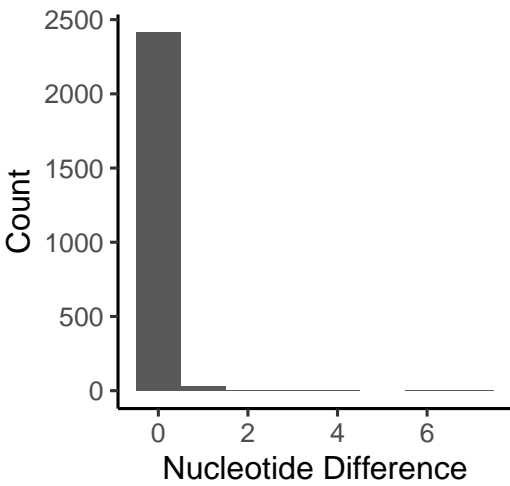
TRBV5-7\*ap01

109 sequences assigned  
108 (99.1%) exact matches, in which:  
108 unique CDR3  
12 unique J



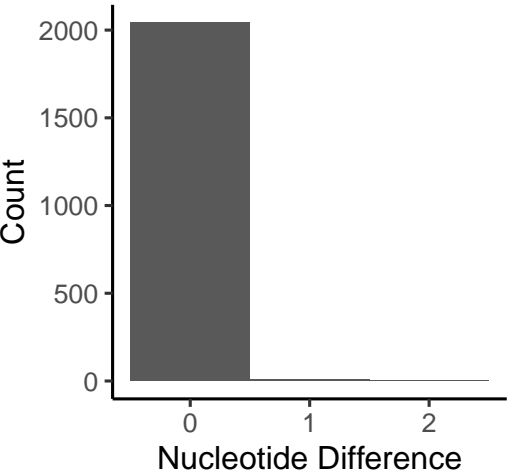
TRBV6-4\*ap01

2457 sequences assigned  
2414 (98.2%) exact matches, in which:  
2386 unique CDR3  
13 unique J



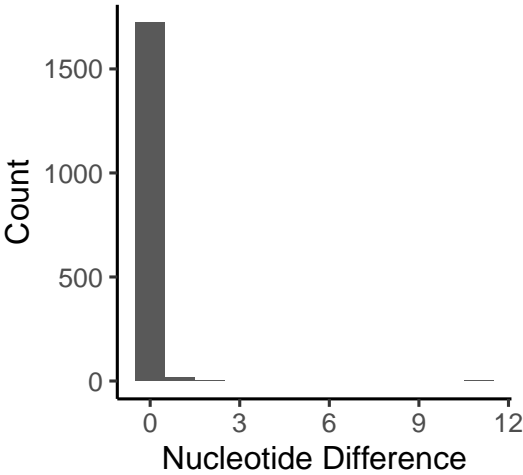
TRBV5-5\*ap01

2054 sequences assigned  
2042 (99.4%) exact matches, in which:  
2030 unique CDR3  
13 unique J



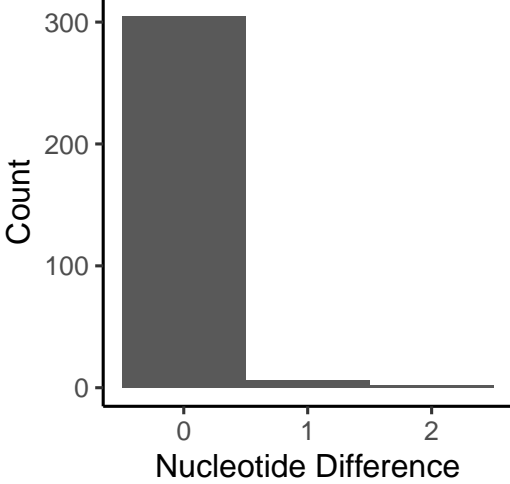
TRBV5-8\*ap01

1740 sequences assigned  
1722 (99%) exact matches, in which:  
1703 unique CDR3  
13 unique J



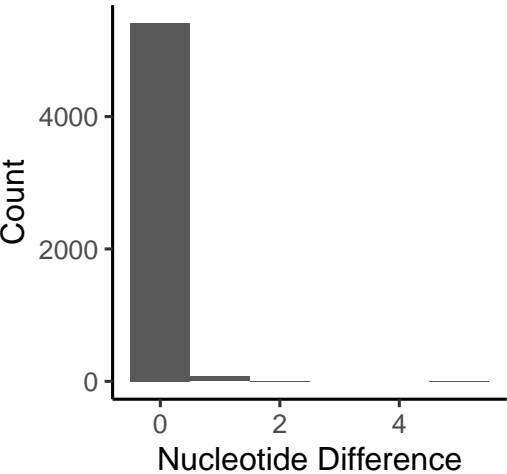
TRBV6-7\*ap01

313 sequences assigned  
305 (97.4%) exact matches, in which:  
297 unique CDR3  
13 unique J



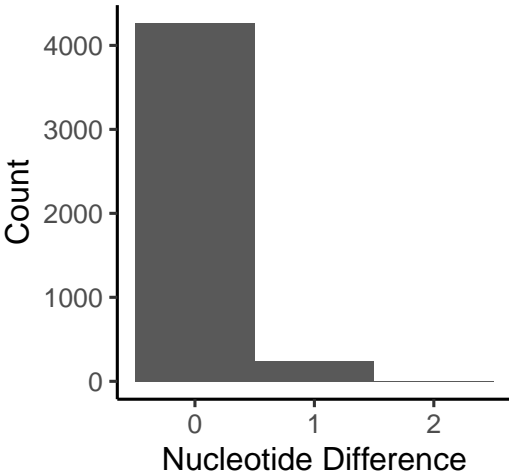
TRBV5-6\*ap01

5489 sequences assigned  
5413 (98.6%) exact matches, in which:  
5302 unique CDR3  
13 unique J



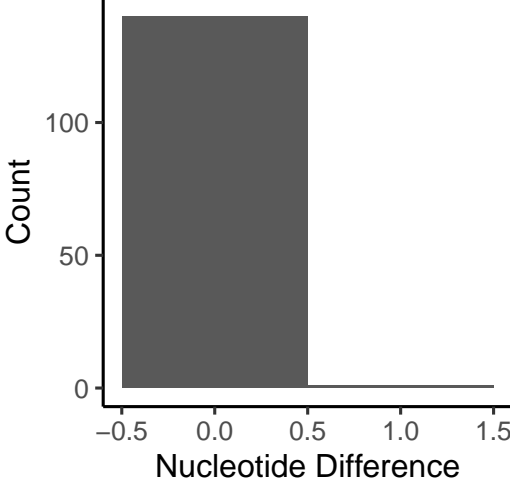
TRBV6-1\*ap01

4508 sequences assigned  
4266 (94.6%) exact matches, in which:  
4175 unique CDR3  
13 unique J



TRBV6-8\*ap01

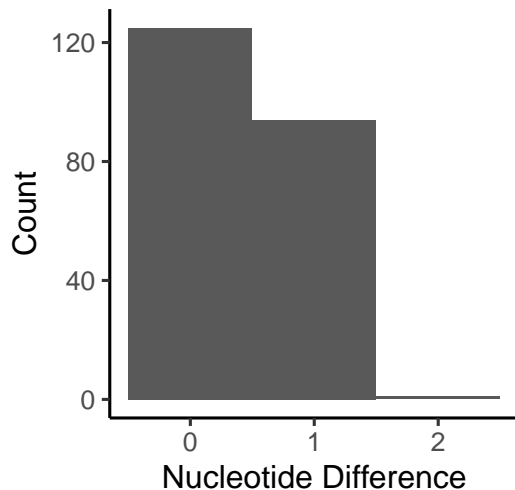
141 sequences assigned  
140 (99.3%) exact matches, in which:  
138 unique CDR3  
12 unique J





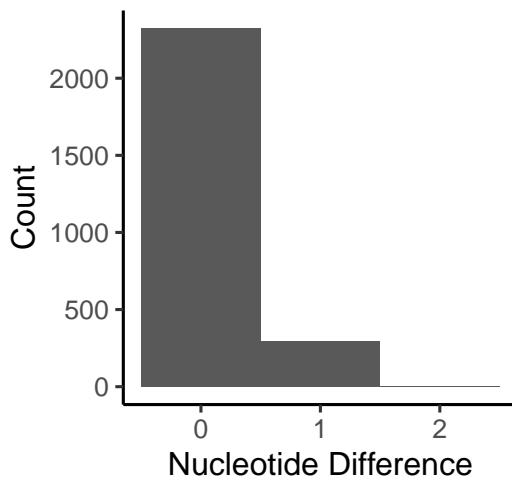
### TRBV6-9\*ap01

220 sequences assigned  
125 (56.8%) exact matches, in which:  
122 unique CDR3  
13 unique J



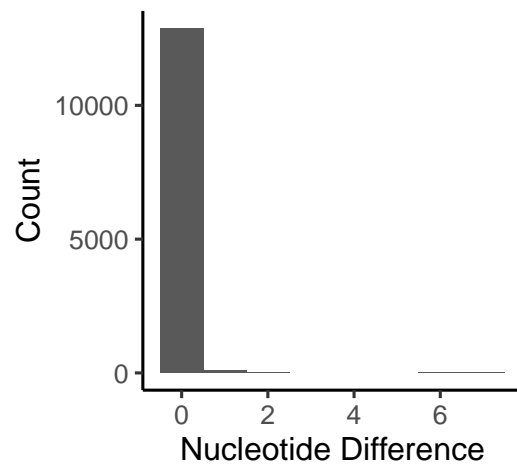
### TRBV6-56\*ap02

2619 sequences assigned  
2323 (88.7%) exact matches, in which:  
2291 unique CDR3  
13 unique J



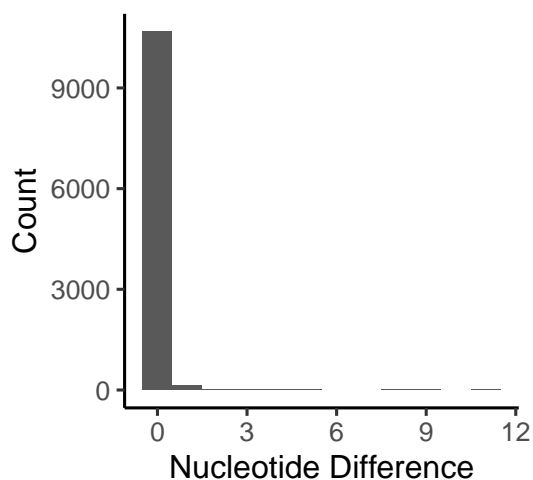
### TRBV7-2\*ap01

12969 sequences assigned  
12885 (99.4%) exact matches, in which:  
12726 unique CDR3  
13 unique J



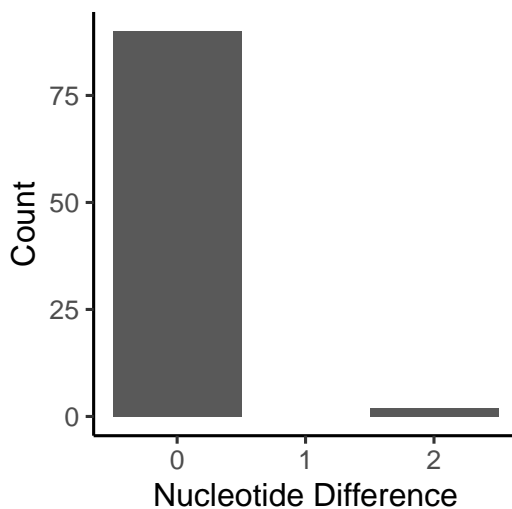
### TRBV6-23\*ap01

10808 sequences assigned  
10675 (98.8%) exact matches, in which:  
10412 unique CDR3  
14 unique J



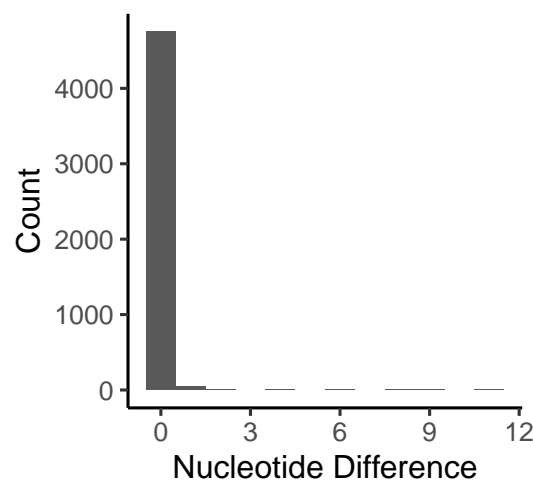
### TRBV7-1\*ap01\_G291C\_T

92 sequences assigned  
90 (97.8%) exact matches, in which:  
89 unique CDR3  
13 unique J



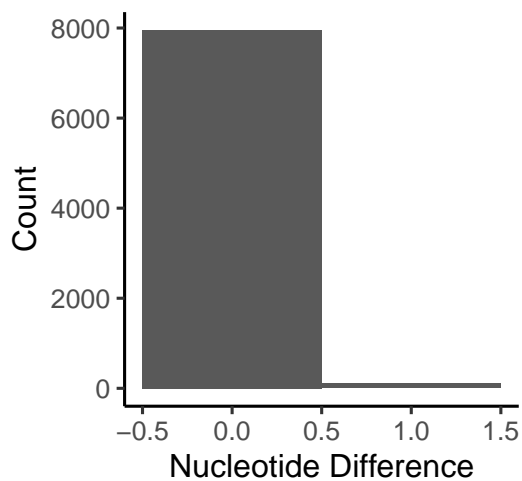
### TRBV7-3\*ap01

4801 sequences assigned  
4751 (99%) exact matches, in which:  
4697 unique CDR3  
13 unique J



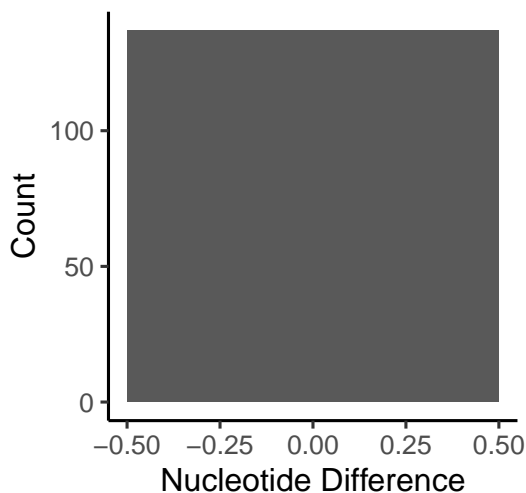
### TRBV6-56\*ap01

8061 sequences assigned  
7955 (98.7%) exact matches, in which:  
7801 unique CDR3  
13 unique J



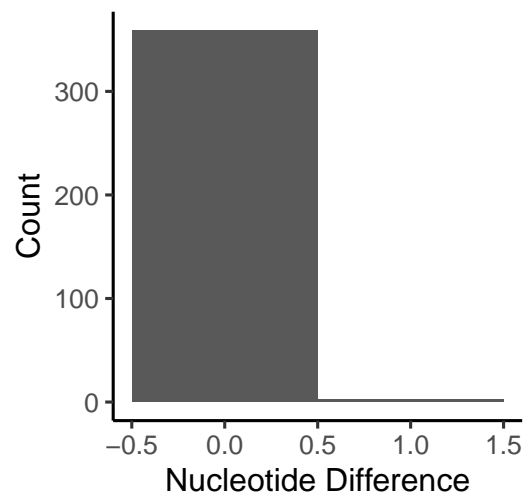
### TRBV7-1\*ap01\_G291C\_

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



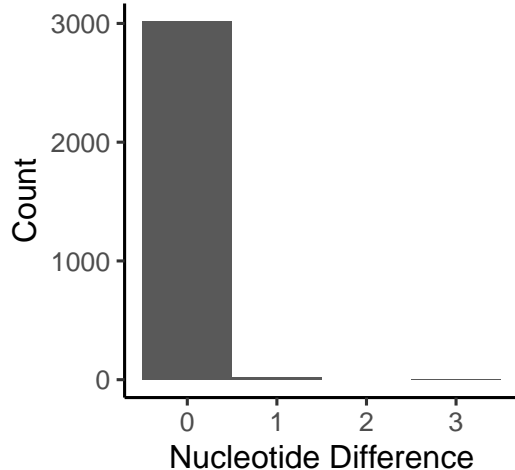
### TRBV7-4\*ap01

361 sequences assigned  
359 (99.4%) exact matches, in which:  
357 unique CDR3  
13 unique J



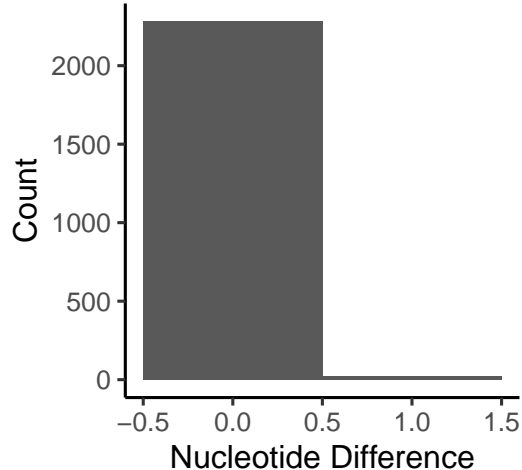
### TRBV7-6\*ap01

3042 sequences assigned  
3017 (99.2%) exact matches, in which:  
2961 unique CDR3  
13 unique J



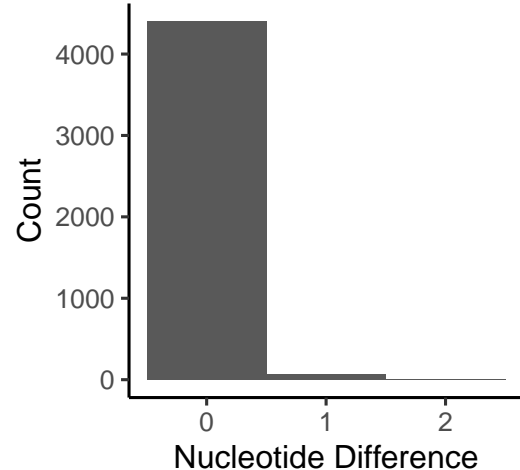
### TRBV7-8\*ap01

2306 sequences assigned  
2282 (99%) exact matches, in which:  
2249 unique CDR3  
13 unique J



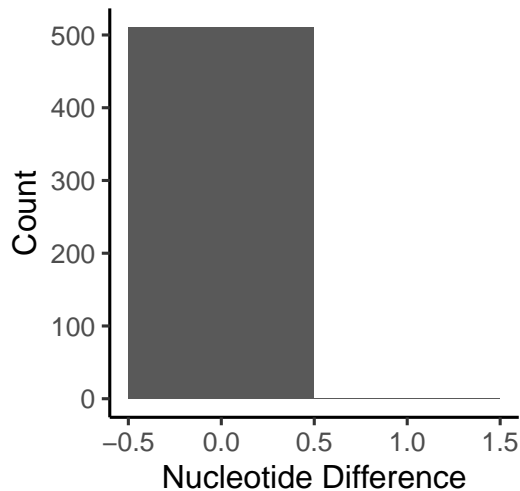
### TRBV29-1\*ap01

4465 sequences assigned  
4401 (98.6%) exact matches, in which:  
4314 unique CDR3  
13 unique J



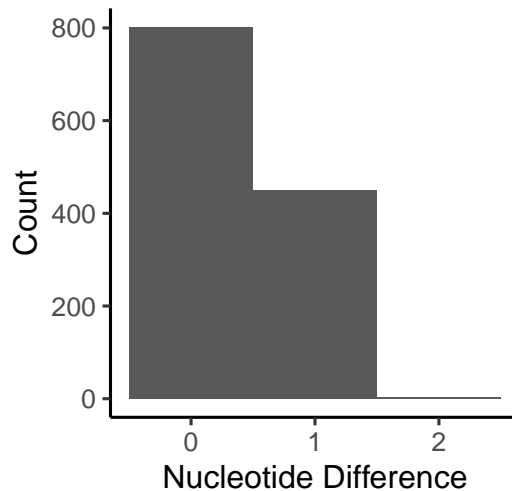
### TRBV7-7\*ap01

512 sequences assigned  
511 (99.8%) exact matches, in which:  
499 unique CDR3  
13 unique J



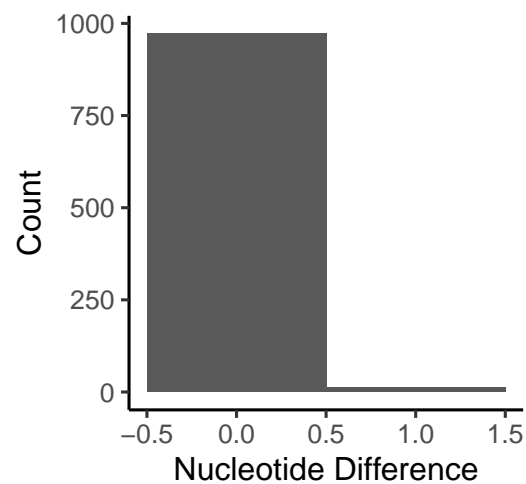
### TRBV7-8\*ap03

1255 sequences assigned  
802 (63.9%) exact matches, in which:  
787 unique CDR3  
13 unique J



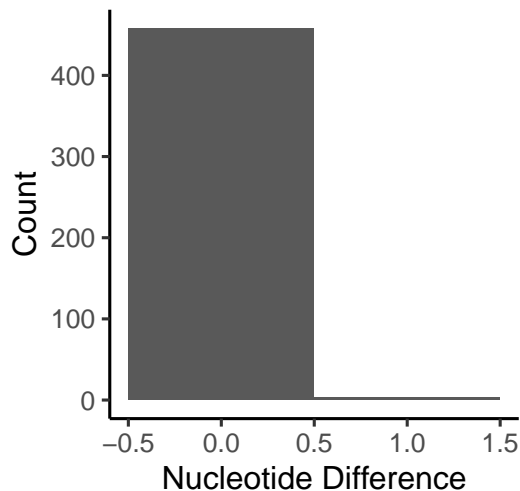
### TRBV29-1\*ap02

983 sequences assigned  
972 (98.9%) exact matches, in which:  
952 unique CDR3  
13 unique J



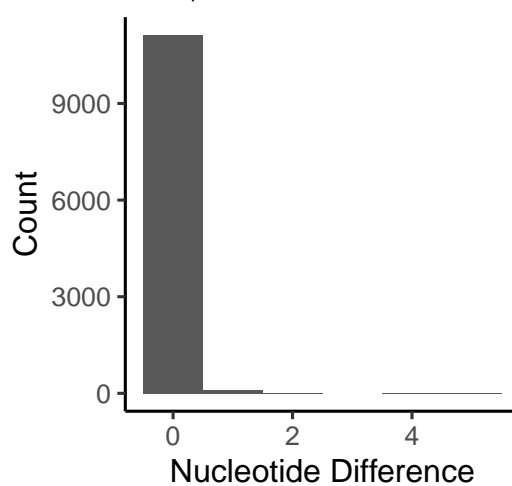
### TRBV7-7\*ap01\_C315T

461 sequences assigned  
458 (99.3%) exact matches, in which:  
453 unique CDR3  
13 unique J

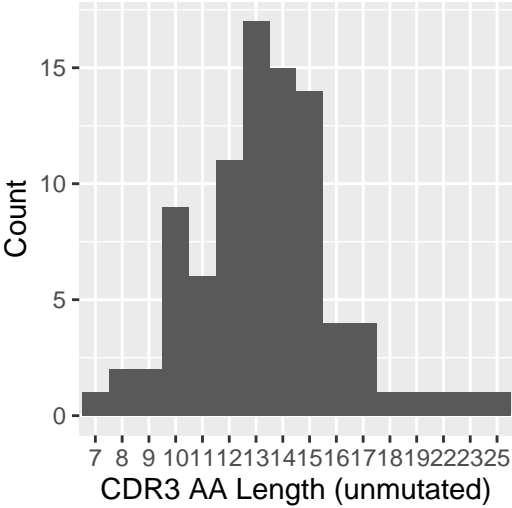


### TRBV7-9\*ap01

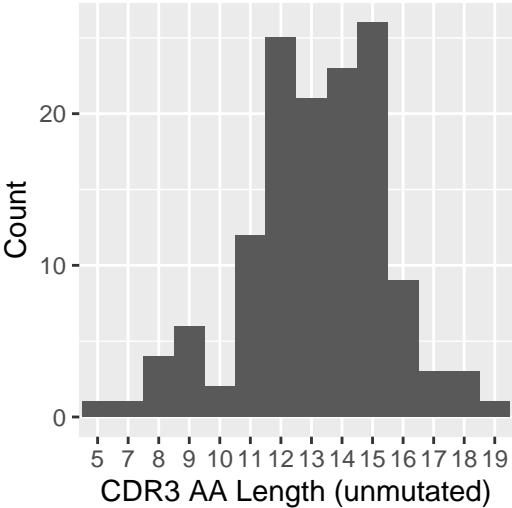
11222 sequences assigned  
11125 (99.1%) exact matches, in which:  
10987 unique CDR3  
13 unique J



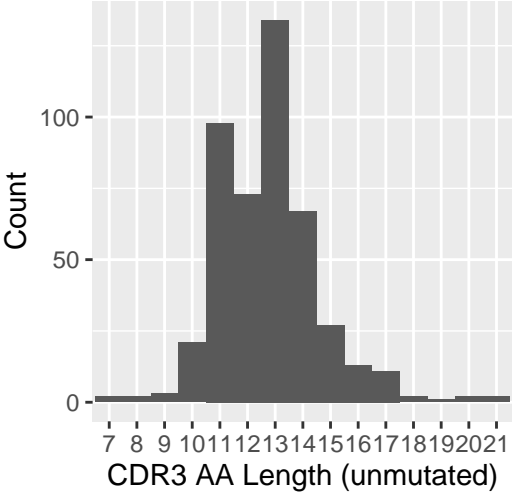
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.