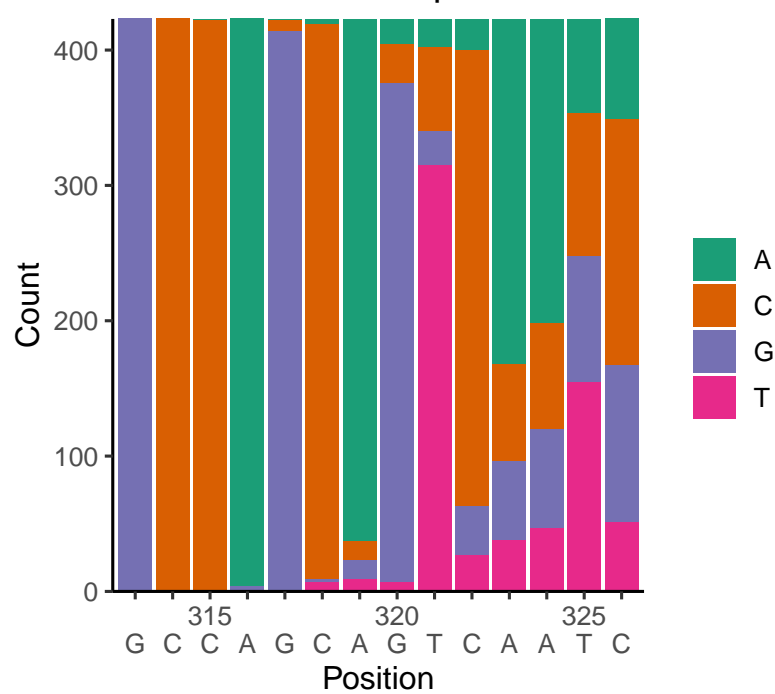
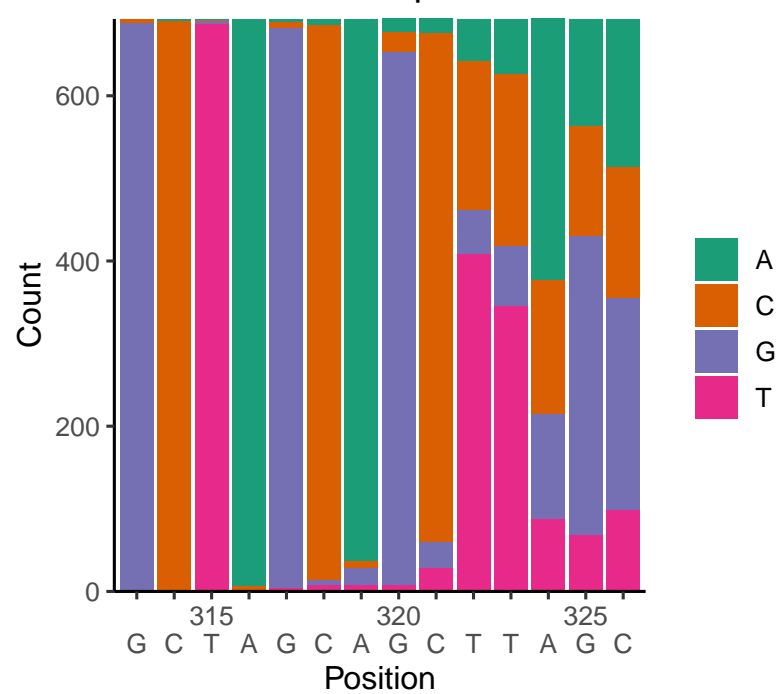


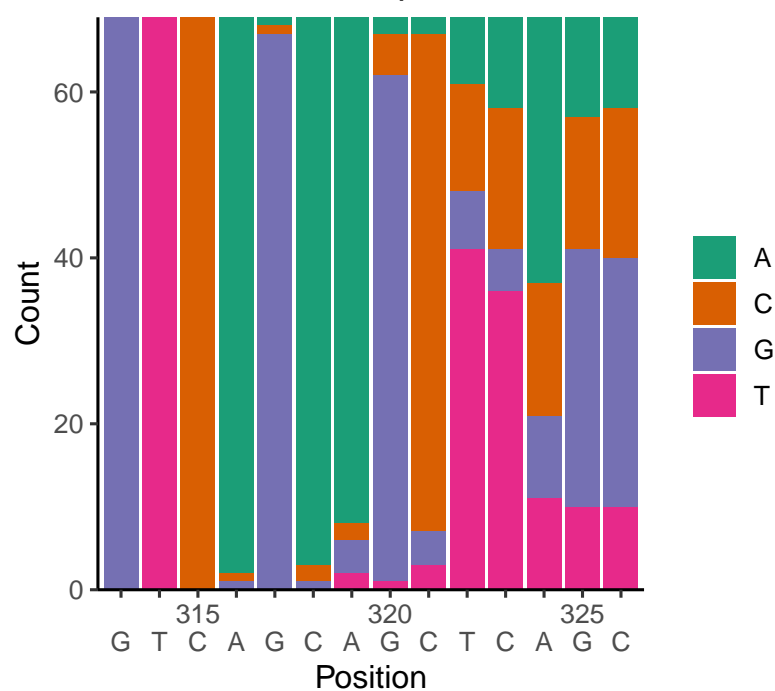
Gene TRBV23-1\*ap01\_T304C



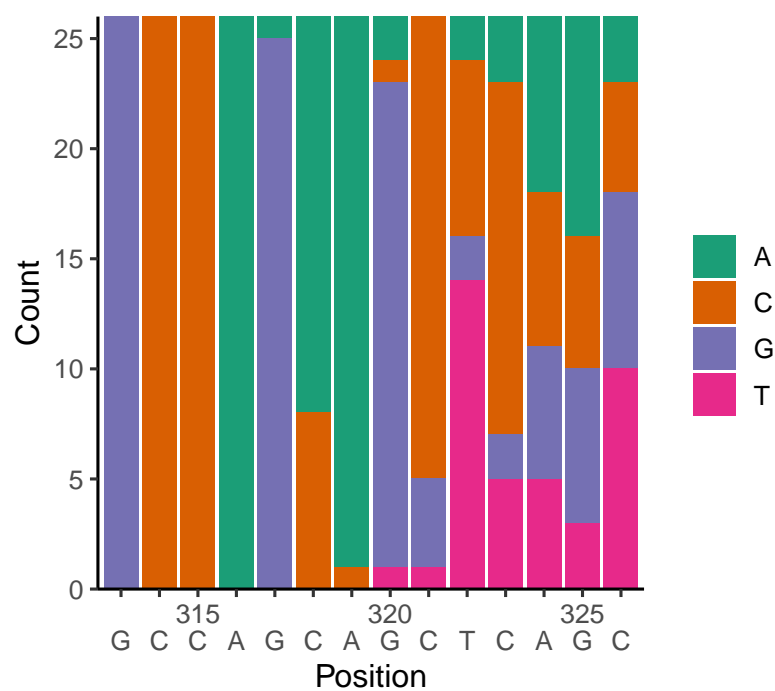
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



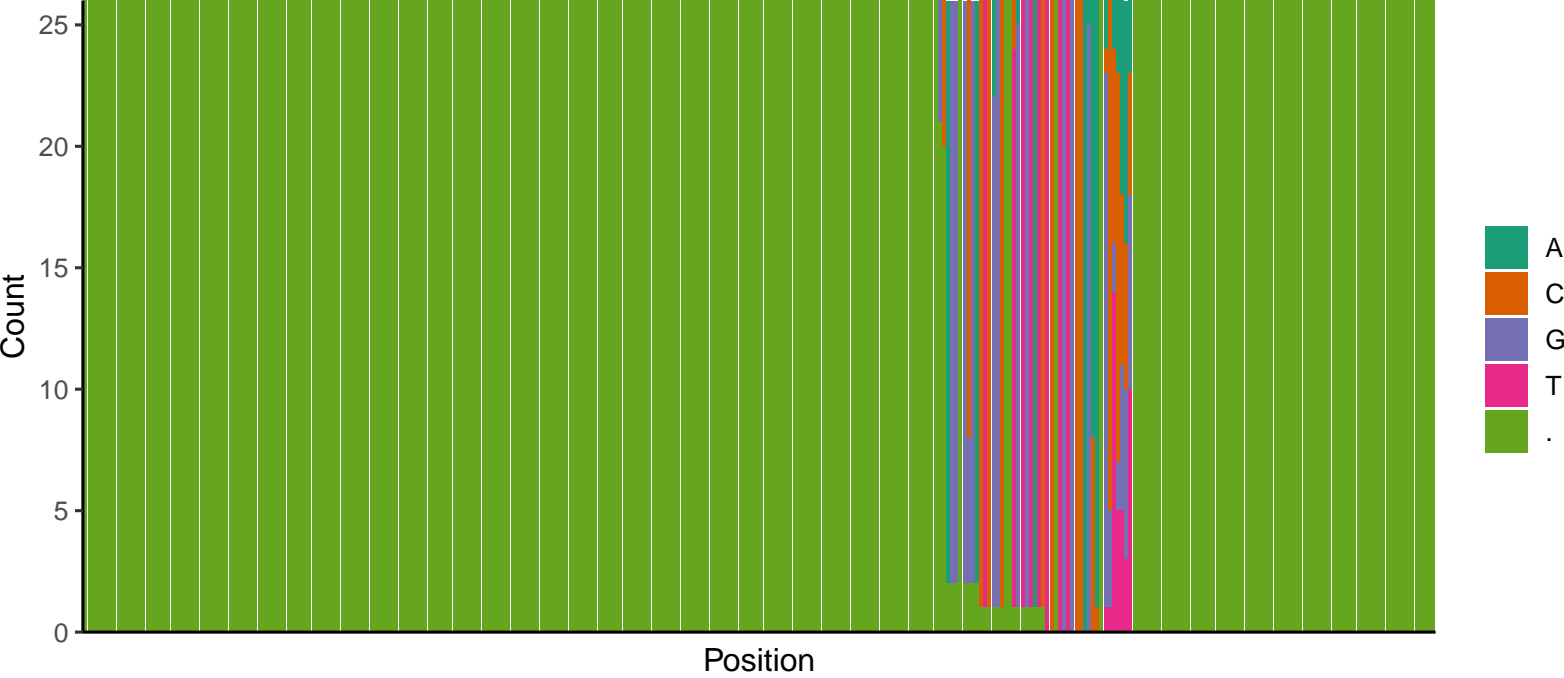
Gene TRBV23-1\*ap01\_T304C



Gene TRBV7-1\*ap01\_T296C\_C314T



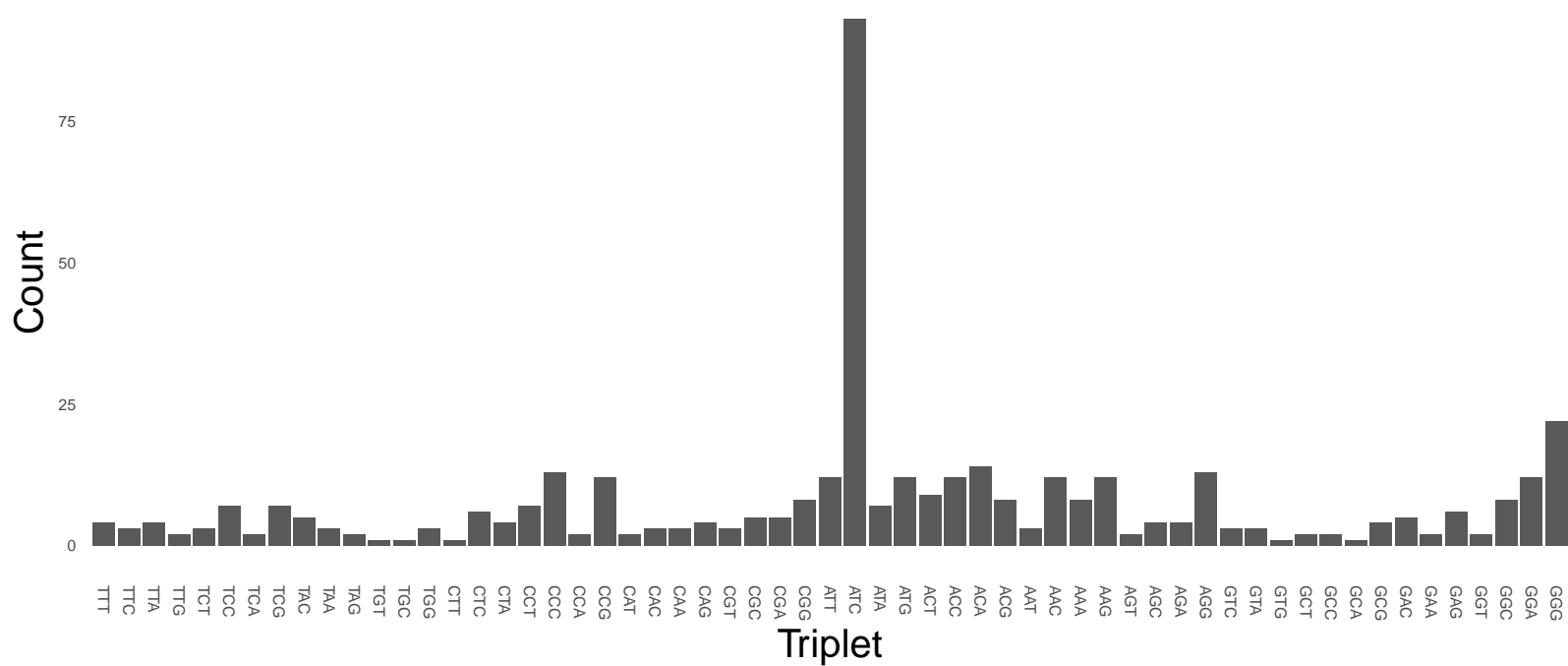
Gene TRBV7-1\*ap01\_T296C



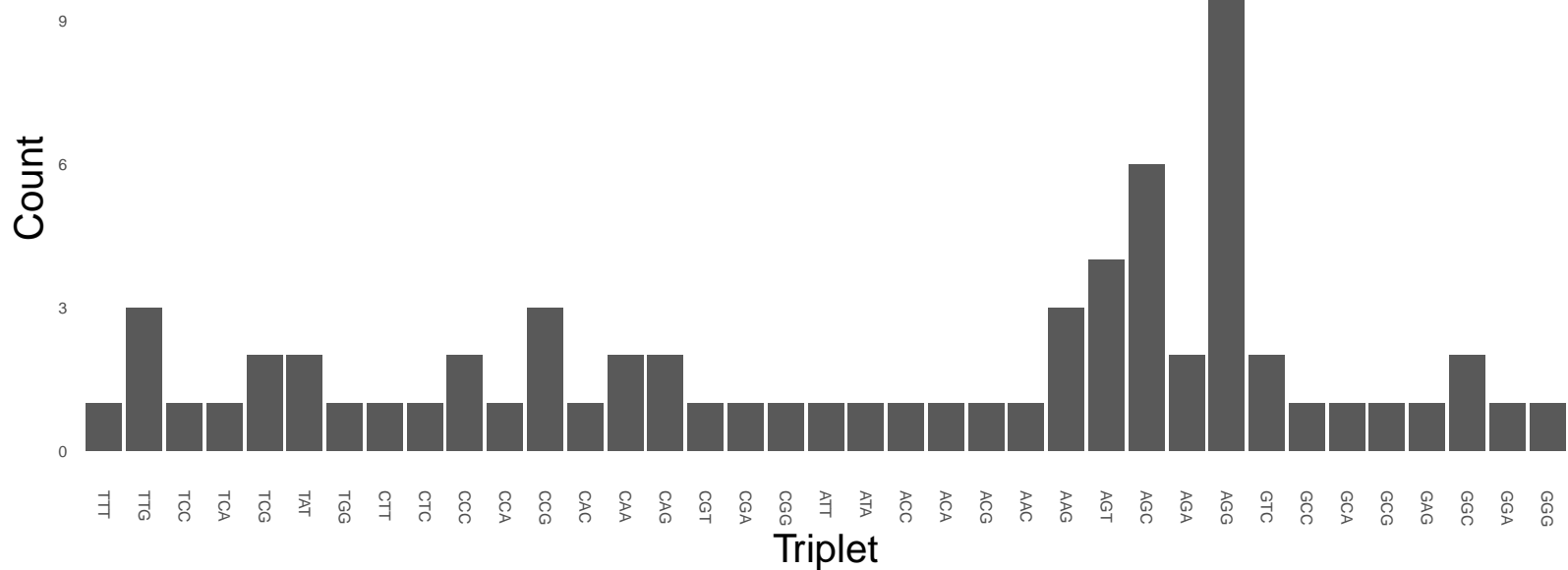
Gene TRBV7-7\*ap01\_C315T



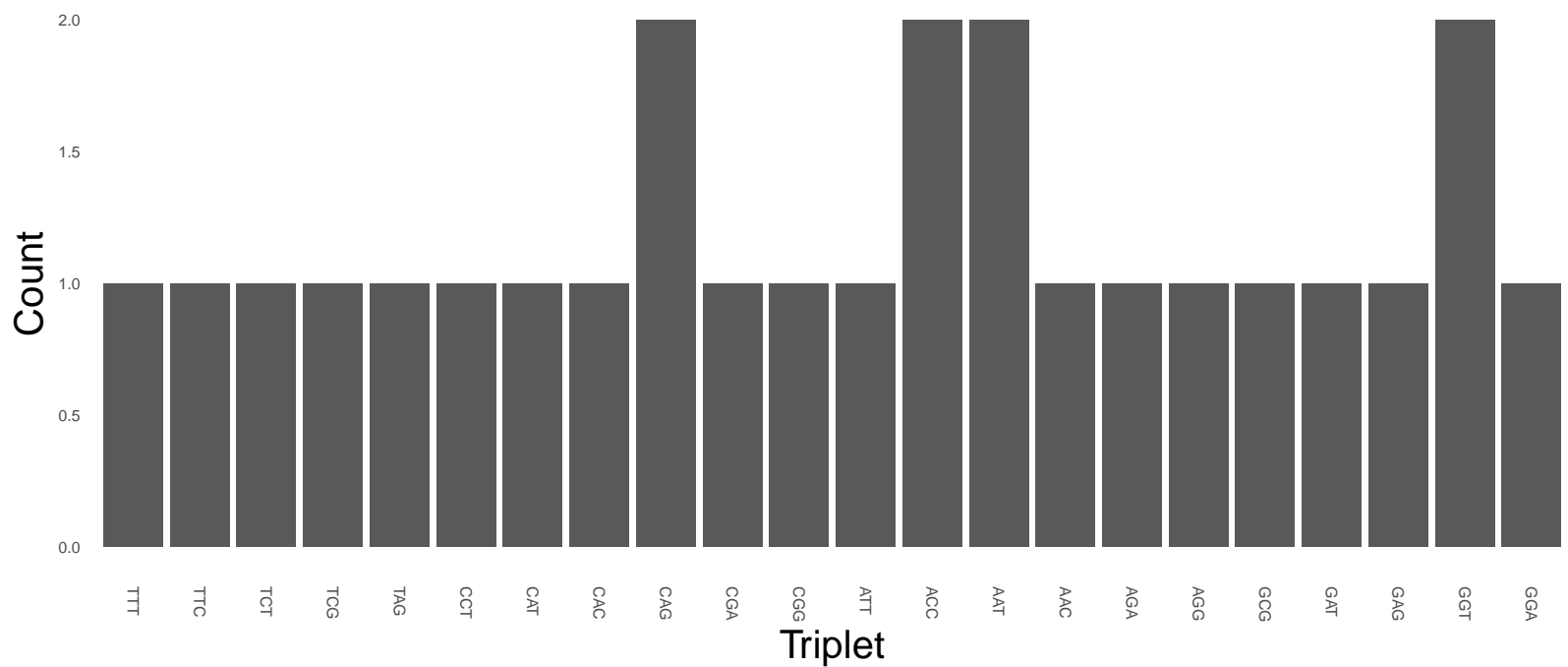
TRBV23-1\*ap01\_T304C- Final 3 nucleotides as a triplet



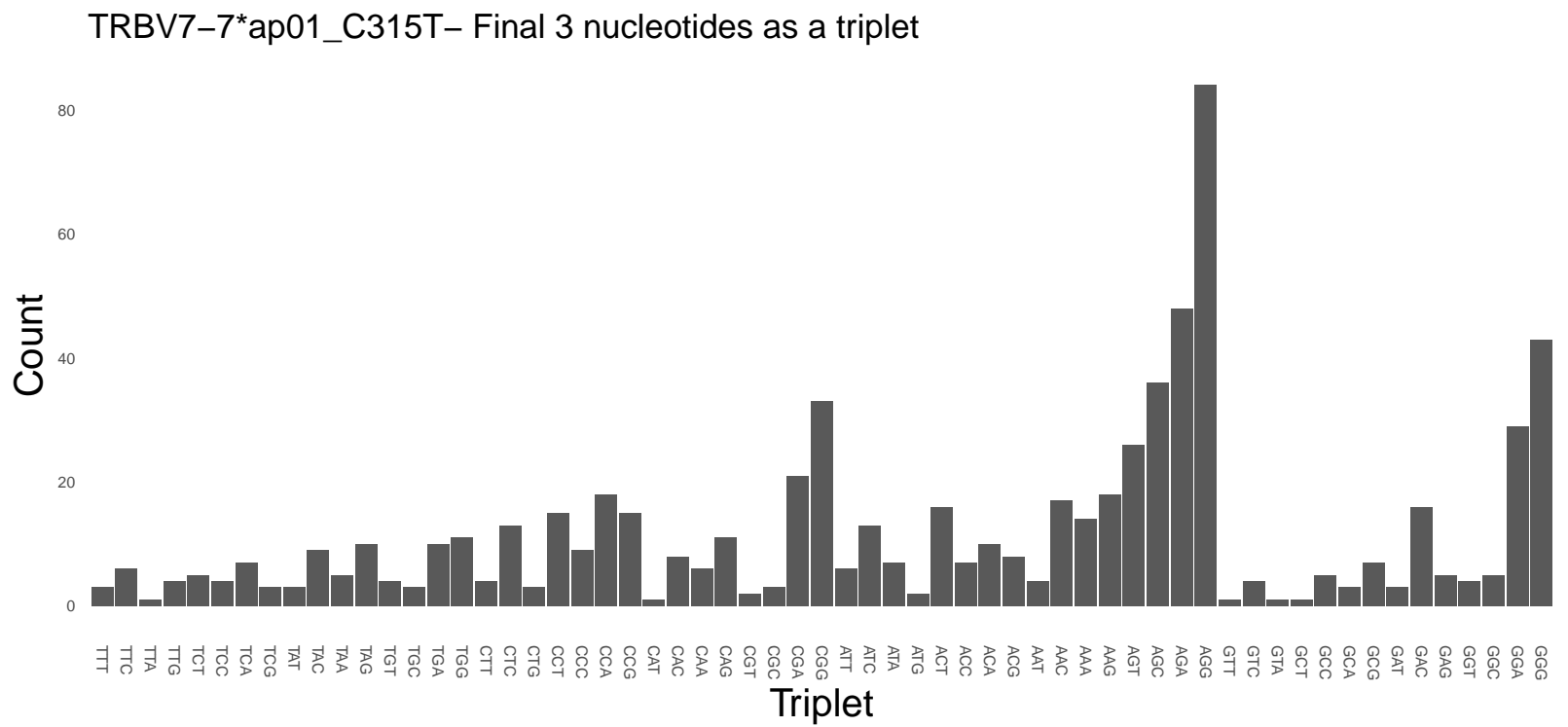
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



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

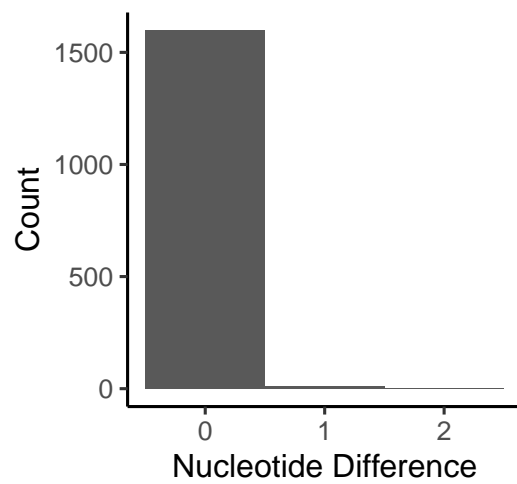


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



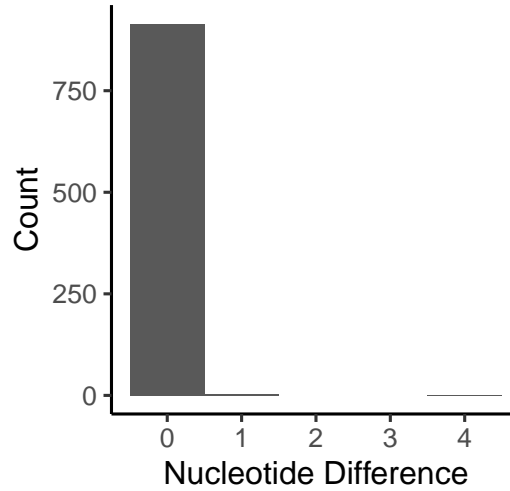
### TRBV10-1\*ap01

1611 sequences assigned  
1598 (99.2%) exact matches, in which:  
1591 unique CDR3  
13 unique J



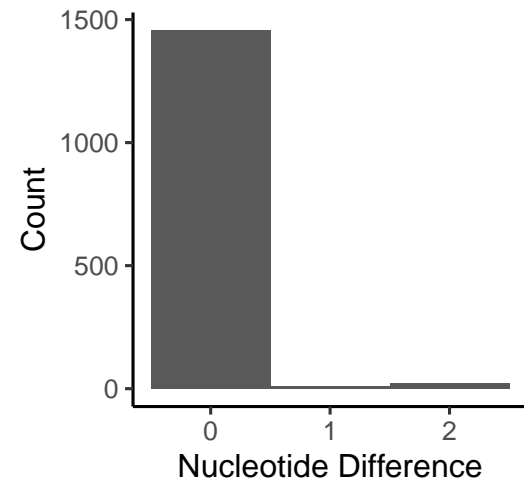
### TRBV10-2\*ap01

919 sequences assigned  
915 (99.6%) exact matches, in which:  
909 unique CDR3  
13 unique J



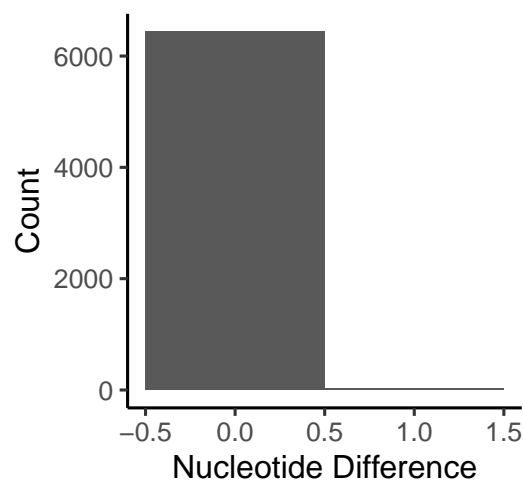
### TRBV13\*ap01

1489 sequences assigned  
1456 (97.8%) exact matches, in which:  
1447 unique CDR3  
13 unique J



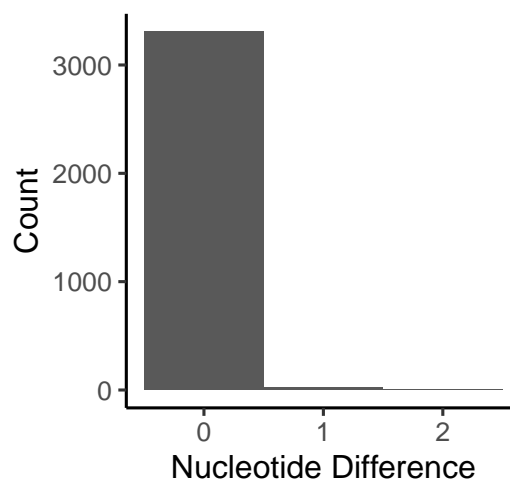
### TRBV20-1\*ap01

6467 sequences assigned  
6437 (99.5%) exact matches, in which:  
6406 unique CDR3  
13 unique J



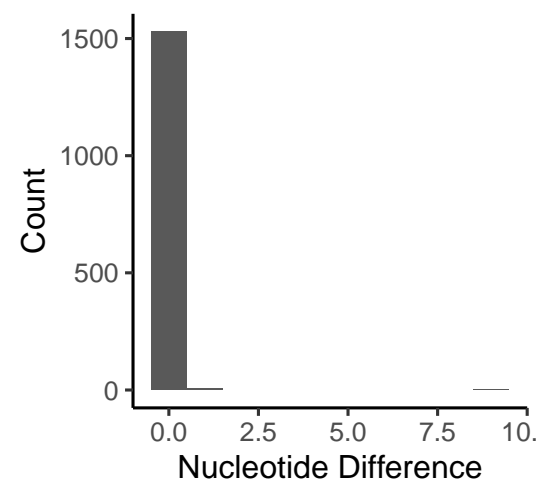
### TRBV10-3\*ap01

3327 sequences assigned  
3307 (99.4%) exact matches, in which:  
3282 unique CDR3  
13 unique J



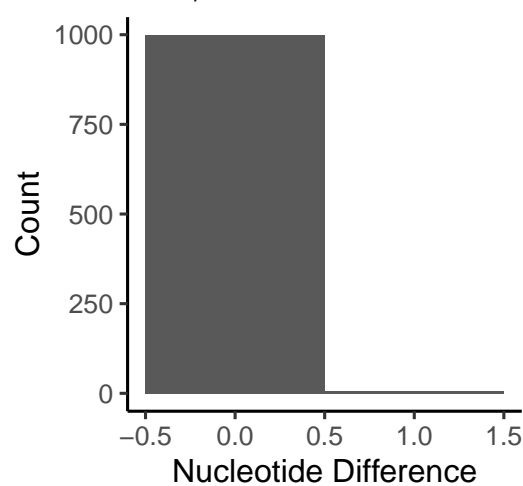
### TRBV14\*ap01

1537 sequences assigned  
1529 (99.5%) exact matches, in which:  
1525 unique CDR3  
13 unique J



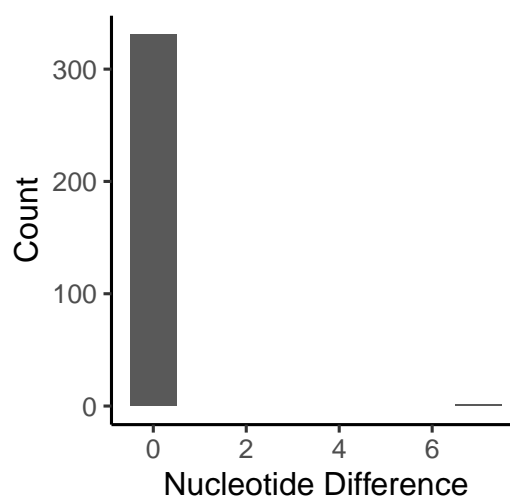
### TRBV20-1\*ap02

1005 sequences assigned  
999 (99.4%) exact matches, in which:  
994 unique CDR3  
13 unique J



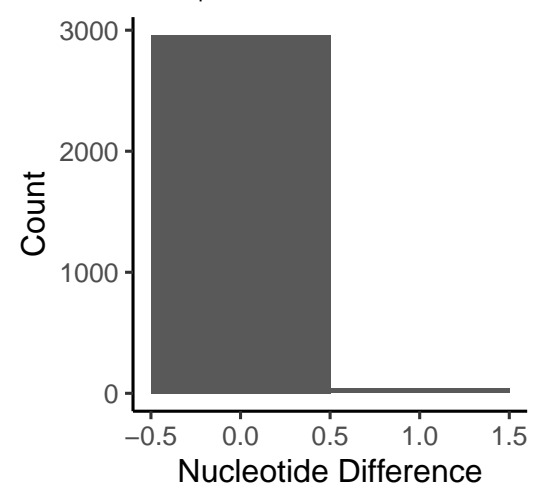
### TRBV1\*ap01

332 sequences assigned  
331 (99.7%) exact matches, in which:  
326 unique CDR3  
13 unique J



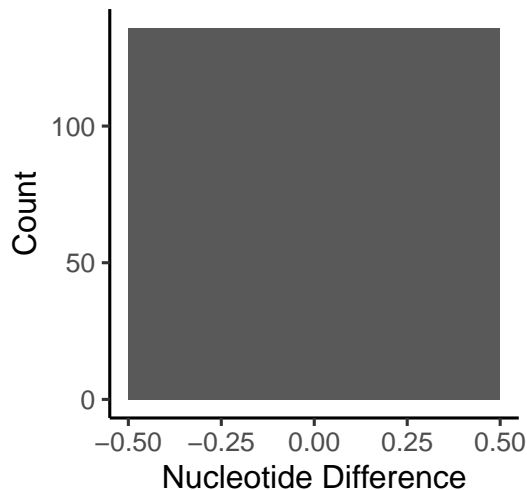
### TRBV15\*ap02

3001 sequences assigned  
2960 (98.6%) exact matches, in which:  
2951 unique CDR3  
13 unique J



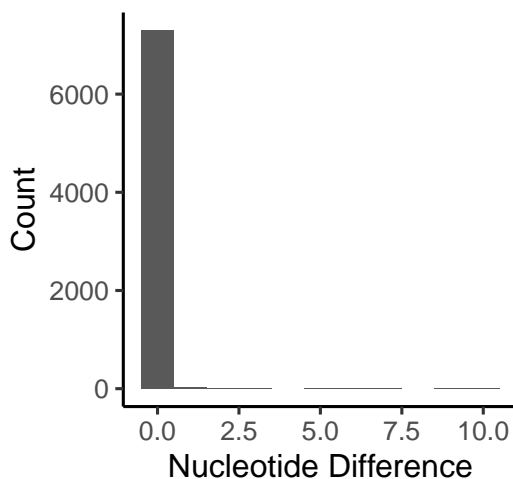
### TRBV16\*ap01

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



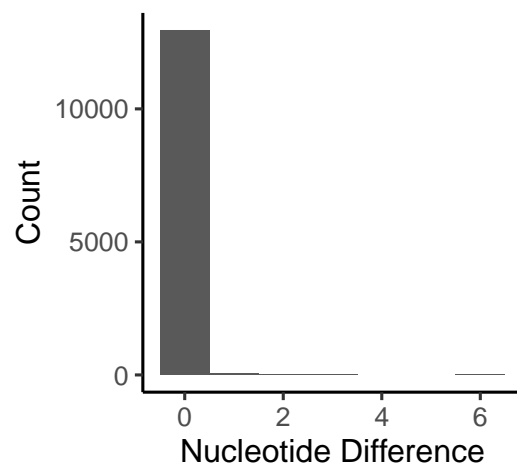
### TRBV19\*ap01

7343 sequences assigned  
7298 (99.4%) exact matches, in which:  
7285 unique CDR3  
13 unique J



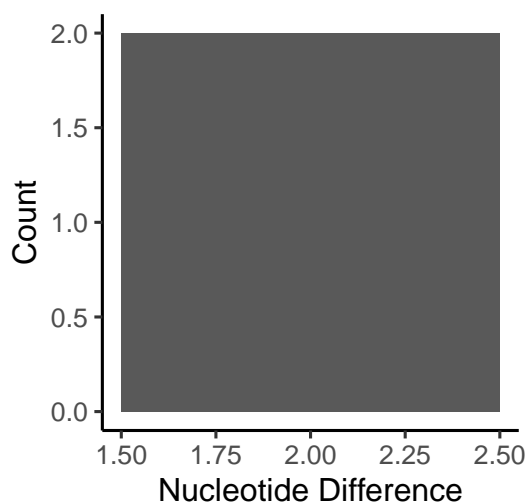
### TRBV28\*ap01

13029 sequences assigned  
12959 (99.5%) exact matches, in which:  
12911 unique CDR3  
13 unique J



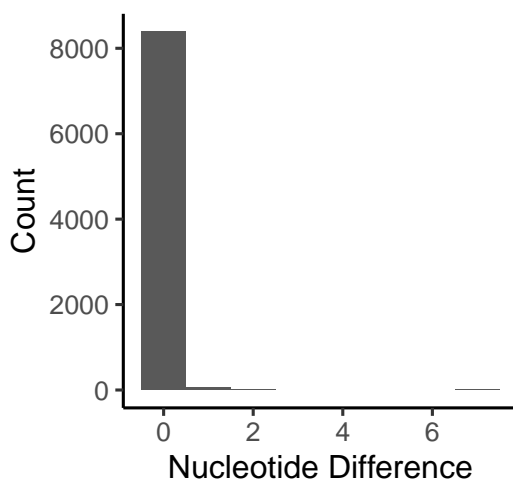
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



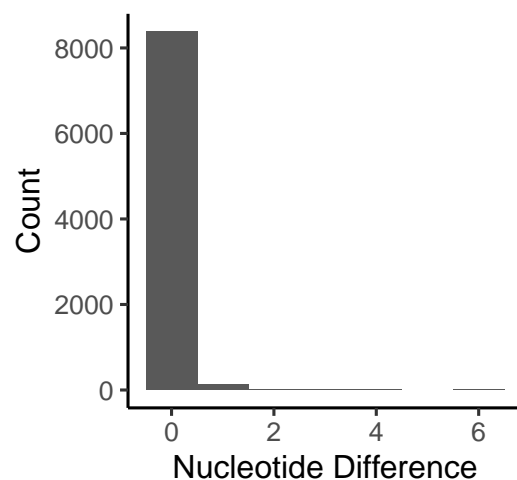
### TRBV2\*ap01

8446 sequences assigned  
8388 (99.3%) exact matches, in which:  
8355 unique CDR3  
13 unique J



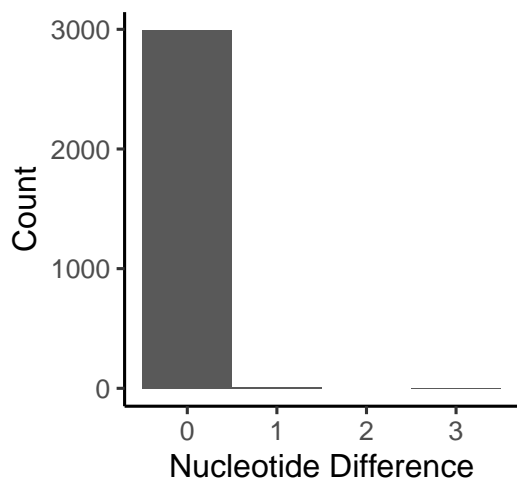
### TRBV30\*ap01

8515 sequences assigned  
8379 (98.4%) exact matches, in which:  
8246 unique CDR3  
13 unique J



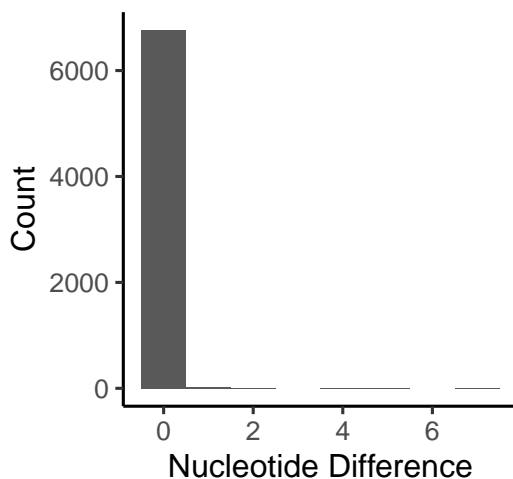
### TRBV18\*ap01

3005 sequences assigned  
2994 (99.6%) exact matches, in which:  
2990 unique CDR3  
13 unique J



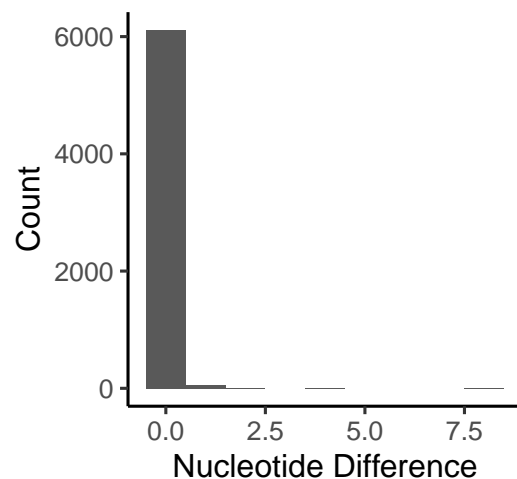
### TRBV27\*ap01

6803 sequences assigned  
6765 (99.4%) exact matches, in which:  
6747 unique CDR3  
13 unique J



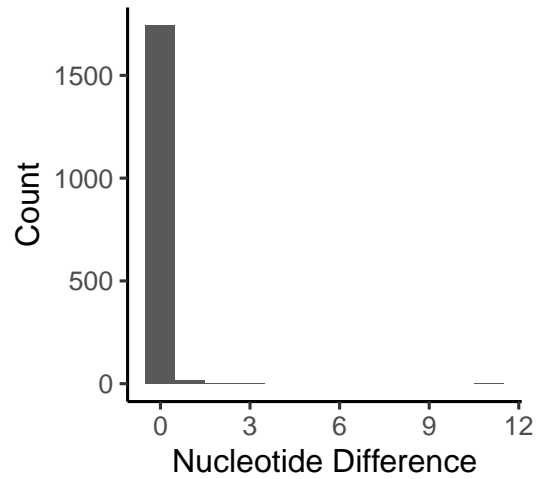
### TRBV9\*ap01

6170 sequences assigned  
6112 (99.1%) exact matches, in which:  
6094 unique CDR3  
13 unique J



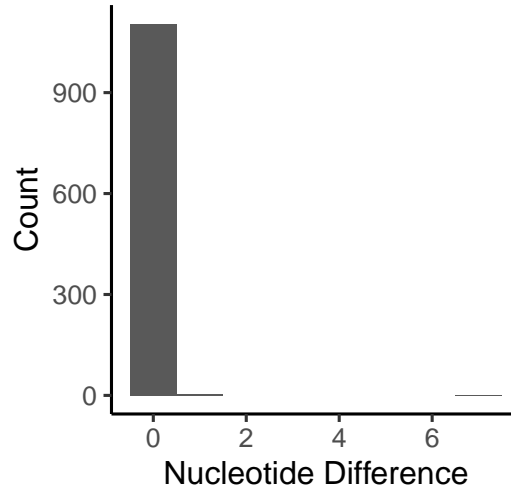
### TRBV21-1\*ap01

1764 sequences assigned  
1743 (98.8%) exact matches, in which:  
1742 unique CDR3  
13 unique J



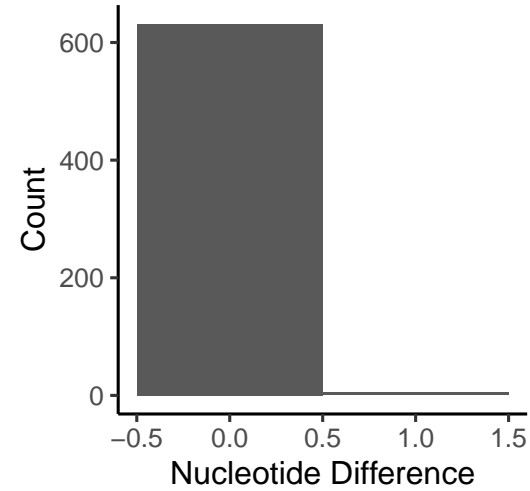
### TRBV11-3\*ap01

1110 sequences assigned  
1105 (99.5%) exact matches, in which:  
1103 unique CDR3  
13 unique J



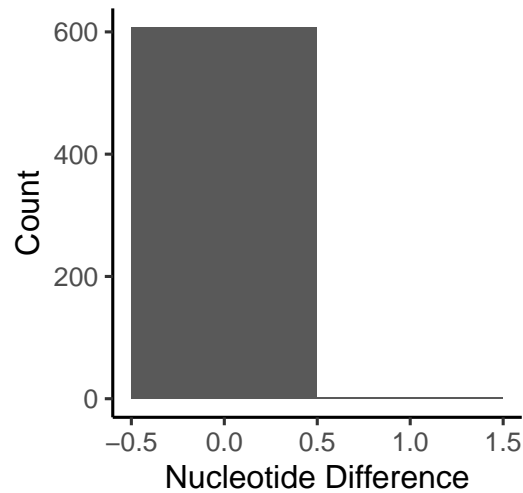
### TRBV12-5\*ap01

637 sequences assigned  
632 (99.2%) exact matches, in which:  
631 unique CDR3  
13 unique J



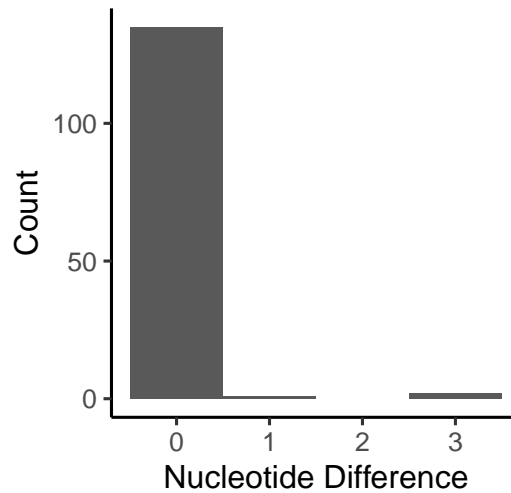
### TRBV11-1\*ap01

610 sequences assigned  
608 (99.7%) exact matches, in which:  
608 unique CDR3  
13 unique J



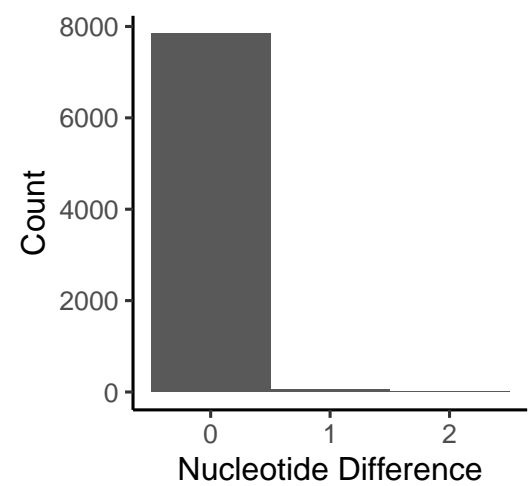
### TRBV12-1\*ap01

138 sequences assigned  
135 (97.8%) exact matches, in which:  
135 unique CDR3  
12 unique J



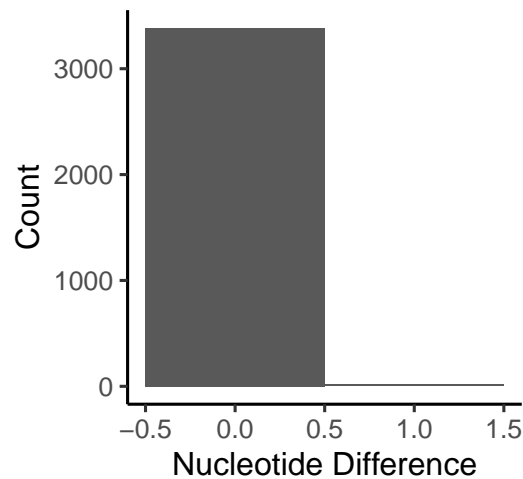
### TRBV12-34\*ap01

7904 sequences assigned  
7841 (99.2%) exact matches, in which:  
7804 unique CDR3  
13 unique J



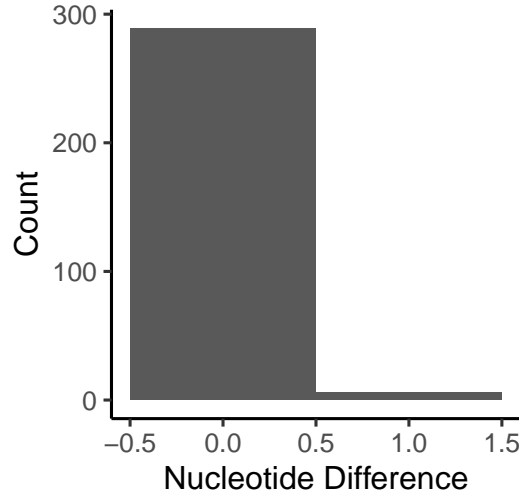
### TRBV11-2\*ap01

3402 sequences assigned  
3384 (99.5%) exact matches, in which:  
3369 unique CDR3  
13 unique J



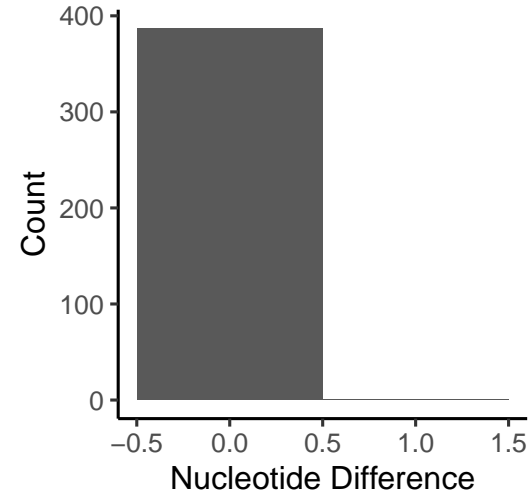
### TRBV12-2\*ap01

295 sequences assigned  
289 (98%) exact matches, in which:  
288 unique CDR3  
13 unique J



### TRBV23-1\*ap01

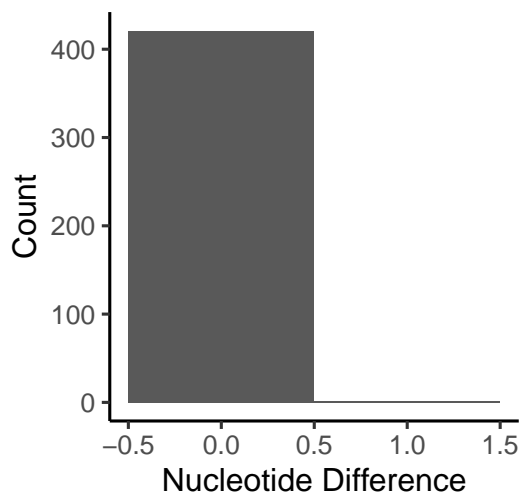
388 sequences assigned  
387 (99.7%) exact matches, in which:  
386 unique CDR3  
13 unique J





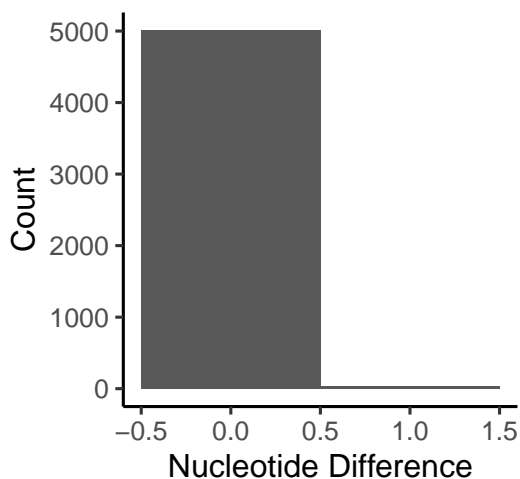
### TRBV23–1\*ap01\_T304C

423 sequences assigned  
421 (99.5%) exact matches, in which:  
421 unique CDR3  
13 unique J



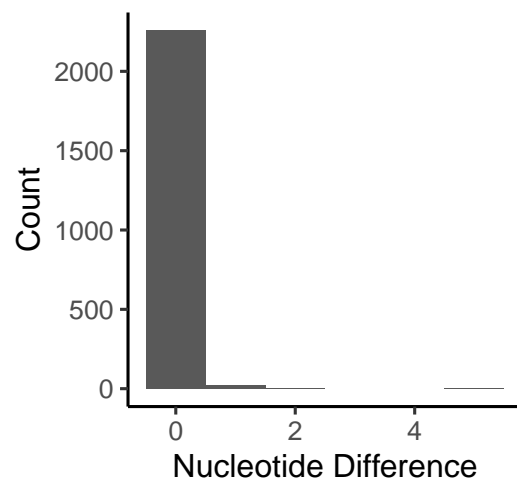
### TRBV4–1\*ap01

5041 sequences assigned  
5009 (99.4%) exact matches, in which:  
4973 unique CDR3  
13 unique J



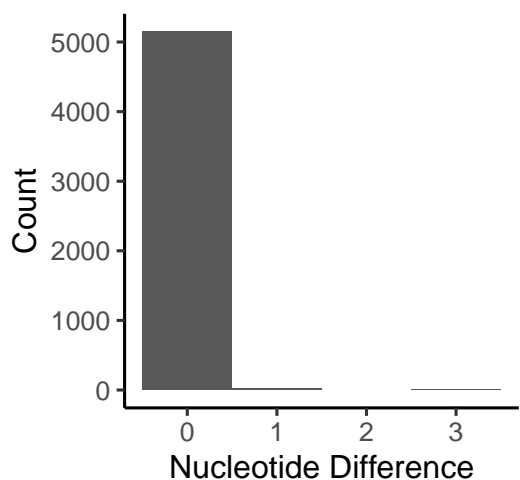
### TRBV25–1\*ap01

2288 sequences assigned  
2258 (98.7%) exact matches, in which:  
2237 unique CDR3  
13 unique J



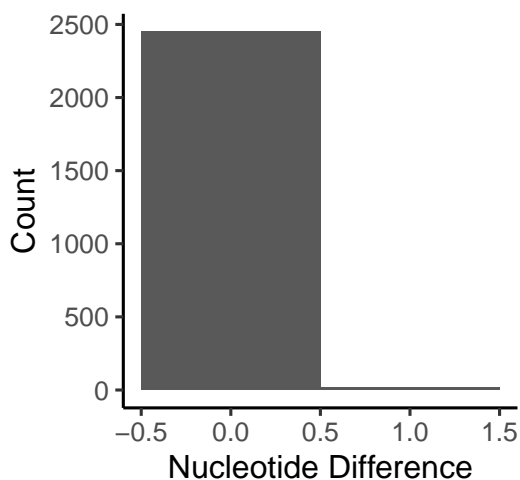
### TRBV3–12\*ap01

5173 sequences assigned  
5148 (99.5%) exact matches, in which:  
5136 unique CDR3  
13 unique J



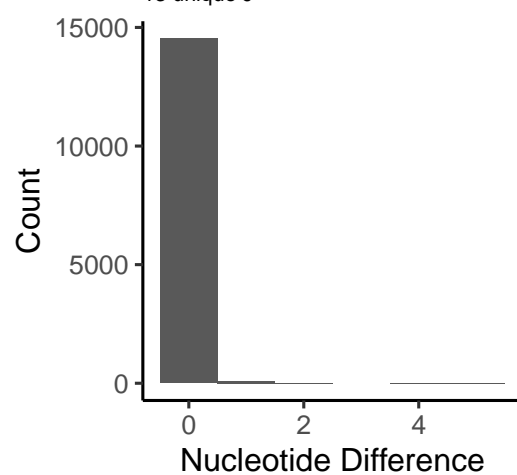
### TRBV4–2\*ap01

2468 sequences assigned  
2450 (99.3%) exact matches, in which:  
2439 unique CDR3  
13 unique J



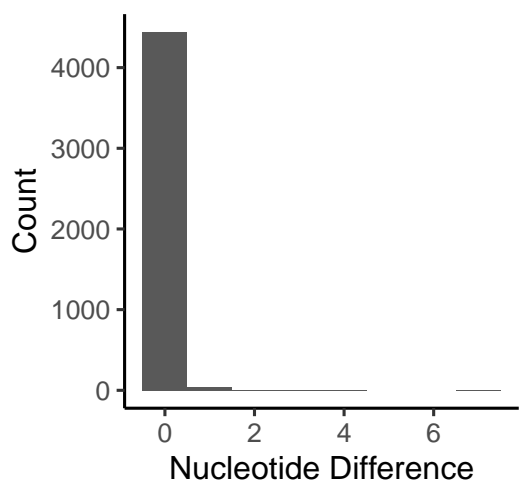
### TRBV5–1\*ap01

14638 sequences assigned  
14535 (99.3%) exact matches, in which:  
14451 unique CDR3  
13 unique J



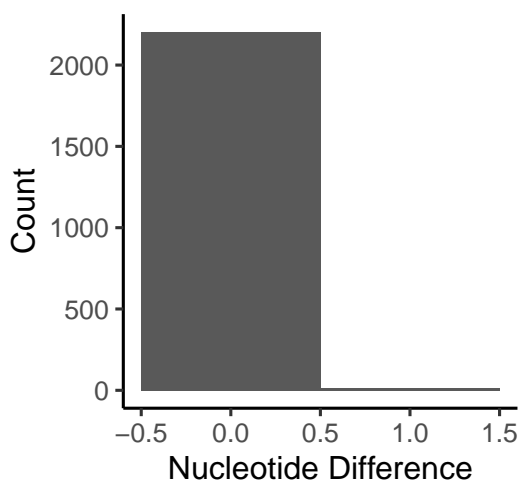
### TRBV24–1\*ap01

4490 sequences assigned  
4441 (98.9%) exact matches, in which:  
4414 unique CDR3  
13 unique J



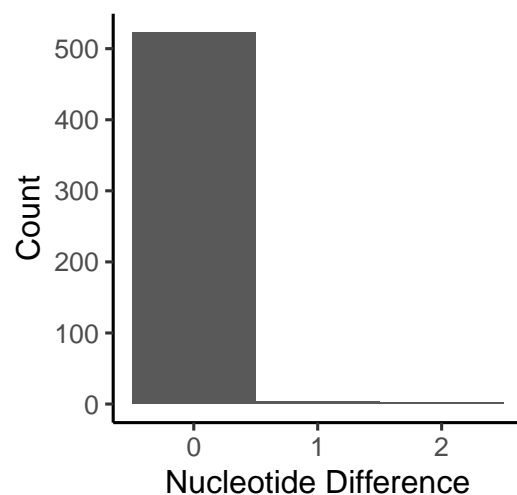
### TRBV4–3\*ap01

2217 sequences assigned  
2203 (99.4%) exact matches, in which:  
2185 unique CDR3  
13 unique J



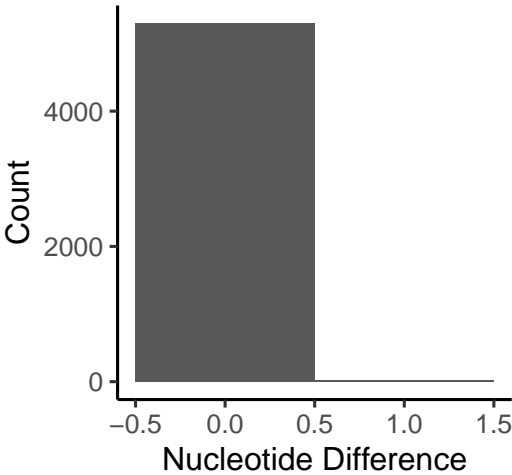
### TRBV5–3\*ap01

528 sequences assigned  
523 (99.1%) exact matches, in which:  
521 unique CDR3  
13 unique J



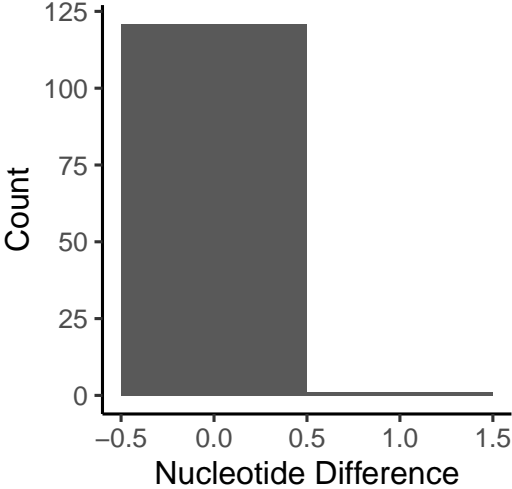
TRBV5-4\*ap01

5324 sequences assigned  
5297 (99.5%) exact matches, in which:  
5267 unique CDR3  
13 unique J



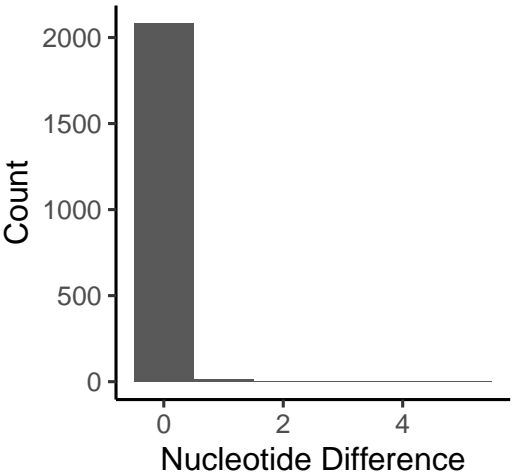
TRBV5-7\*ap01

122 sequences assigned  
121 (99.2%) exact matches, in which:  
120 unique CDR3  
13 unique J



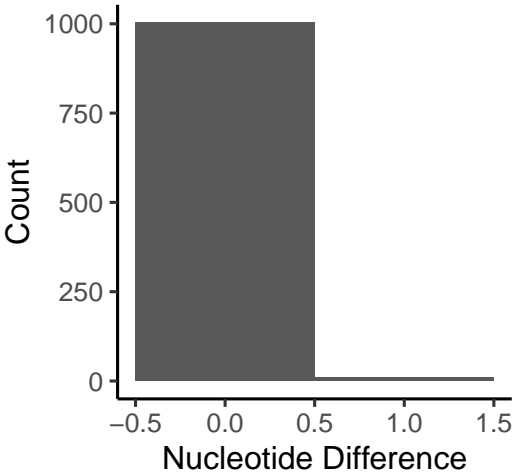
TRBV6-4\*ap01

2104 sequences assigned  
2082 (99%) exact matches, in which:  
2069 unique CDR3  
13 unique J



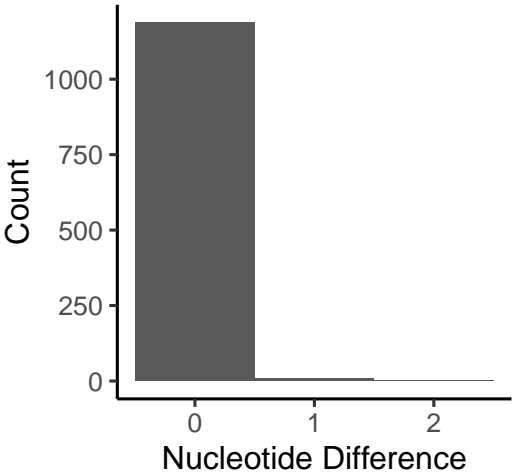
TRBV5-5\*ap01

1013 sequences assigned  
1003 (99%) exact matches, in which:  
1002 unique CDR3  
13 unique J



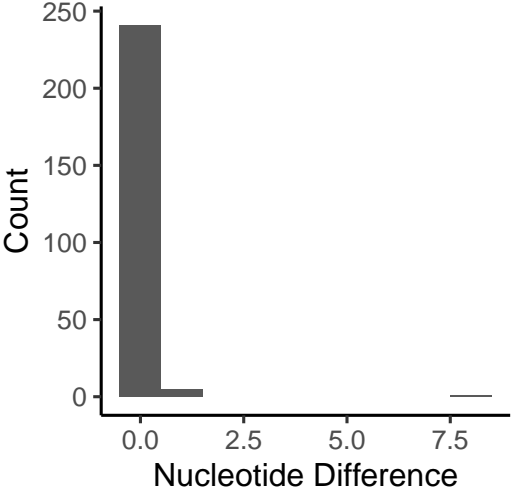
TRBV5-8\*ap01

1197 sequences assigned  
1187 (99.2%) exact matches, in which:  
1181 unique CDR3  
13 unique J



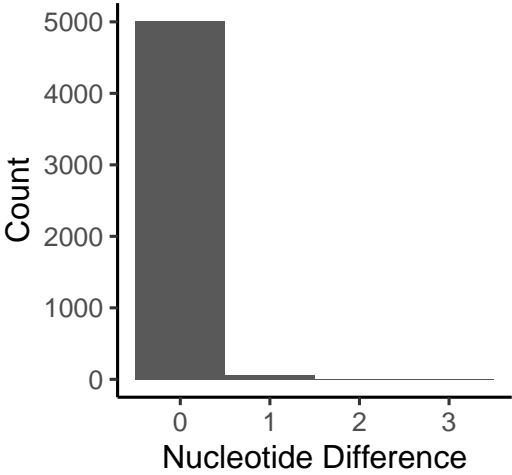
TRBV6-7\*ap01

247 sequences assigned  
241 (97.6%) exact matches, in which:  
241 unique CDR3  
13 unique J



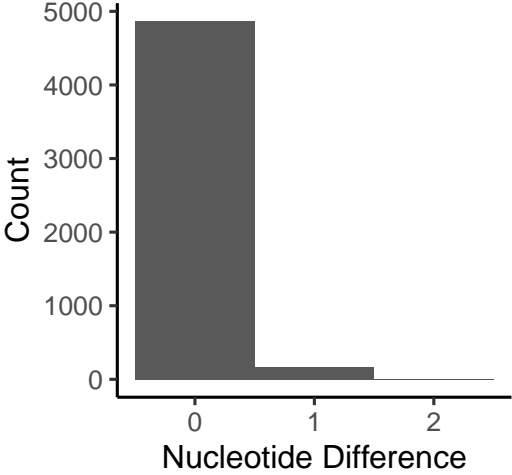
TRBV5-6\*ap01

5077 sequences assigned  
5011 (98.7%) exact matches, in which:  
4962 unique CDR3  
13 unique J



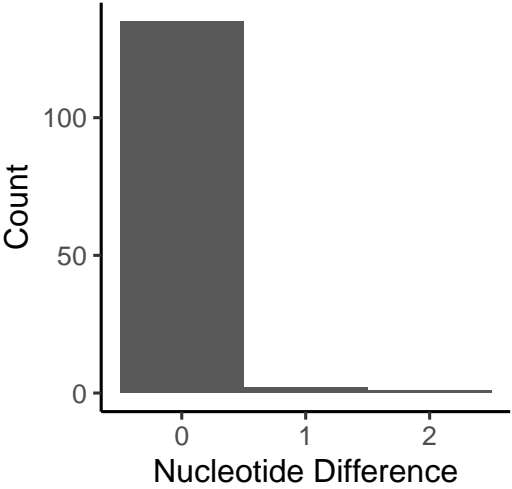
TRBV6-1\*ap01

5039 sequences assigned  
4868 (96.6%) exact matches, in which:  
4841 unique CDR3  
13 unique J



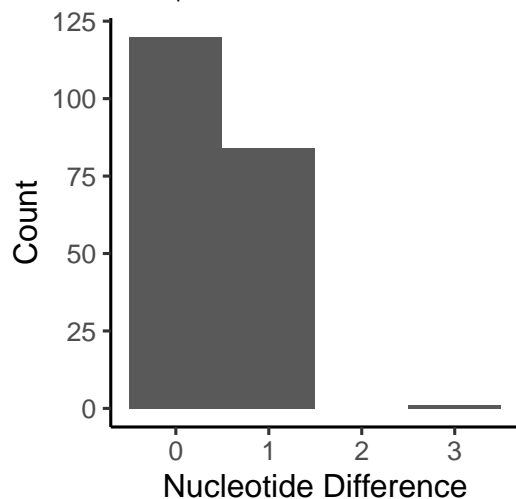
TRBV6-8\*ap01

138 sequences assigned  
135 (97.8%) exact matches, in which:  
134 unique CDR3  
13 unique J



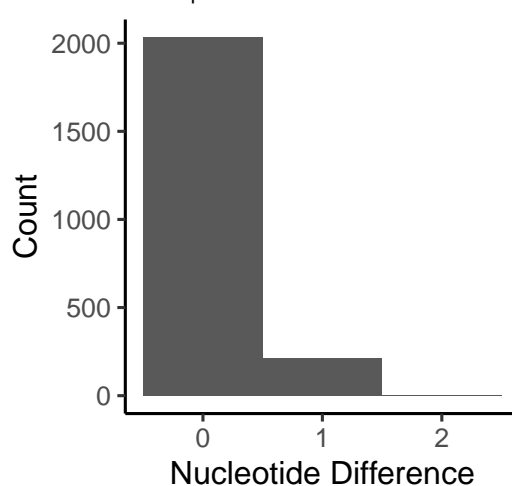
### TRBV6-9\*ap01

205 sequences assigned  
120 (58.5%) exact matches, in which:  
118 unique CDR3  
13 unique J



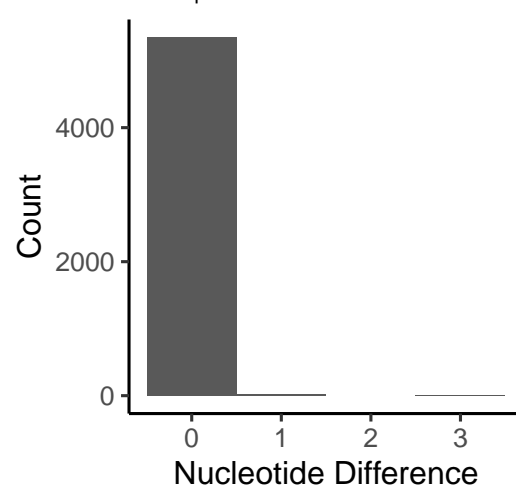
### TRBV6-56\*ap02

2244 sequences assigned  
2033 (90.6%) exact matches, in which:  
2006 unique CDR3  
13 unique J



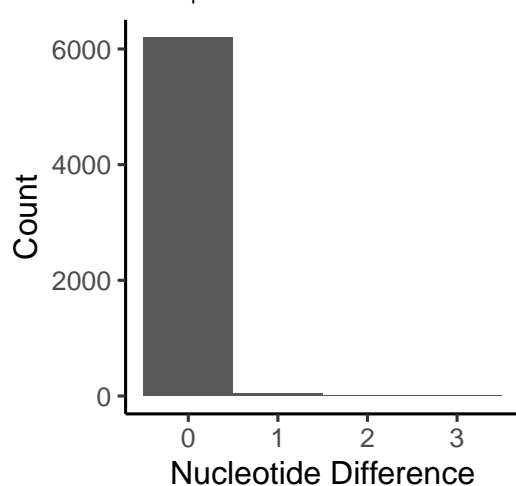
### TRBV7-2\*ap01

5363 sequences assigned  
5347 (99.7%) exact matches, in which:  
5333 unique CDR3  
13 unique J



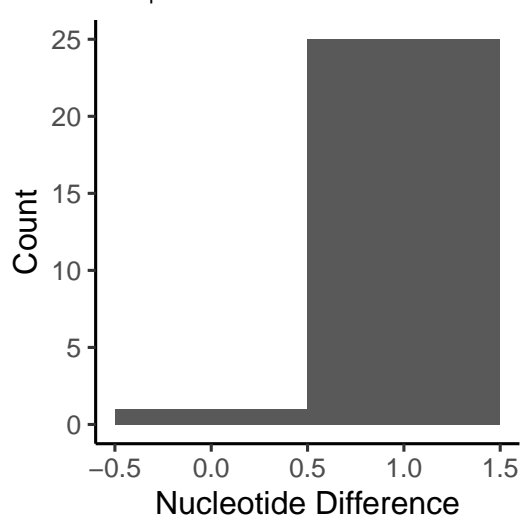
### TRBV6-23\*ap01

6243 sequences assigned  
6194 (99.2%) exact matches, in which:  
6132 unique CDR3  
13 unique J



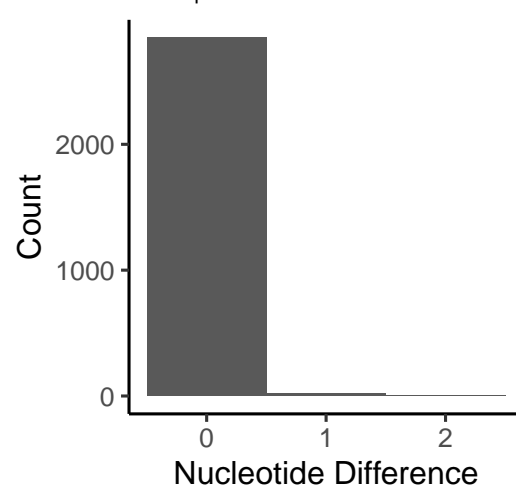
### TRBV7-1\*ap01\_T296C

26 sequences assigned  
1 (3.8%) exact matches, in which:  
1 unique CDR3  
1 unique J



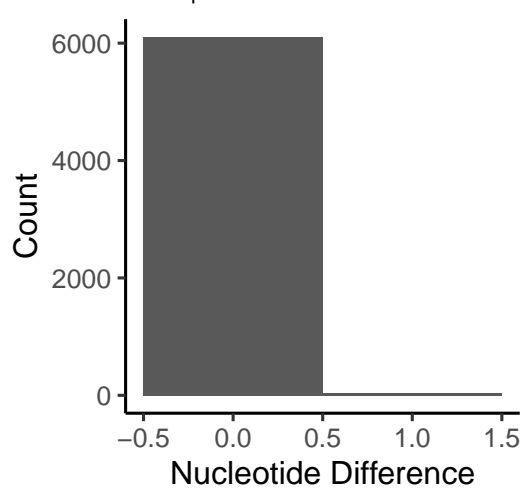
### TRBV7-3\*ap01

2871 sequences assigned  
2847 (99.2%) exact matches, in which:  
2834 unique CDR3  
13 unique J



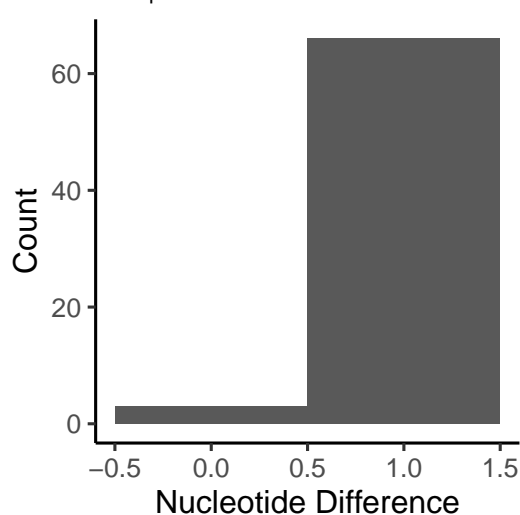
### TRBV6-56\*ap01

6146 sequences assigned  
6104 (99.3%) exact matches, in which:  
6048 unique CDR3  
13 unique J



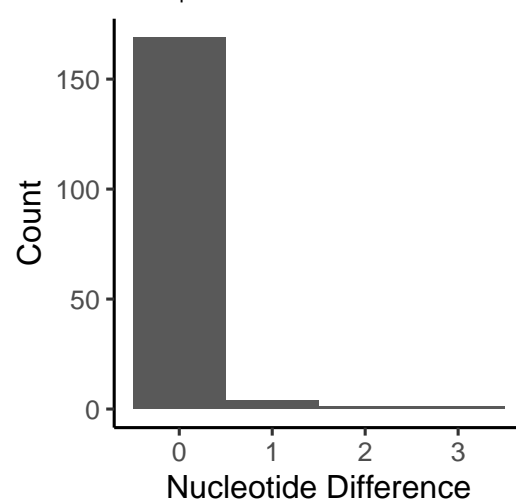
### TRBV7-1\*ap01\_T296C\_C

69 sequences assigned  
3 (4.3%) exact matches, in which:  
3 unique CDR3  
2 unique J



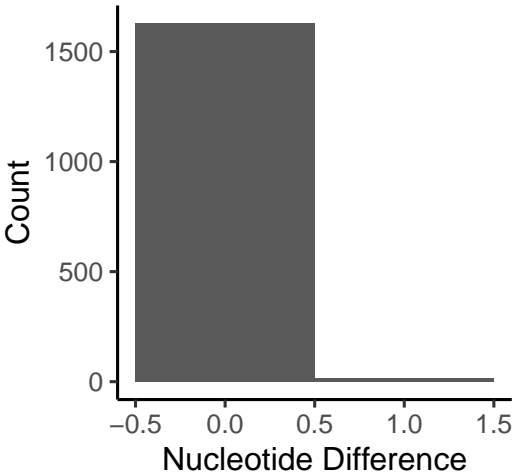
### TRBV7-4\*ap01

175 sequences assigned  
169 (96.6%) exact matches, in which:  
167 unique CDR3  
12 unique J



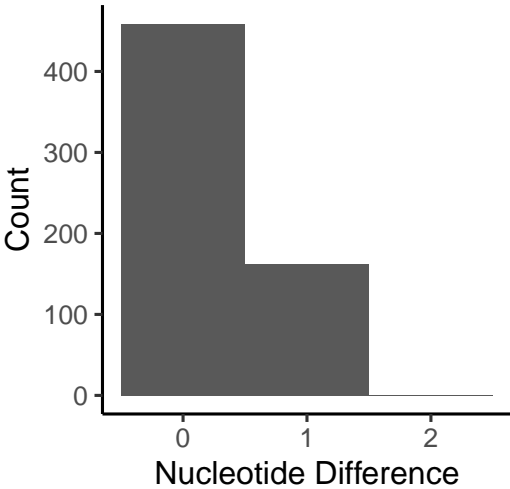
TRBV7-6\*ap01

1643 sequences assigned  
1628 (99.1%) exact matches, in which:  
1623 unique CDR3  
13 unique J



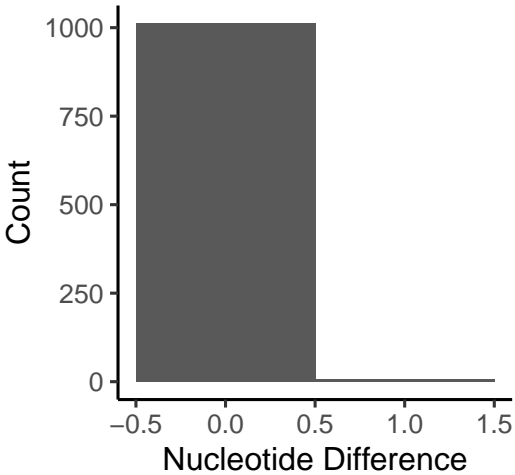
TRBV7-8\*ap03

622 sequences assigned  
459 (73.8%) exact matches, in which:  
457 unique CDR3  
13 unique J



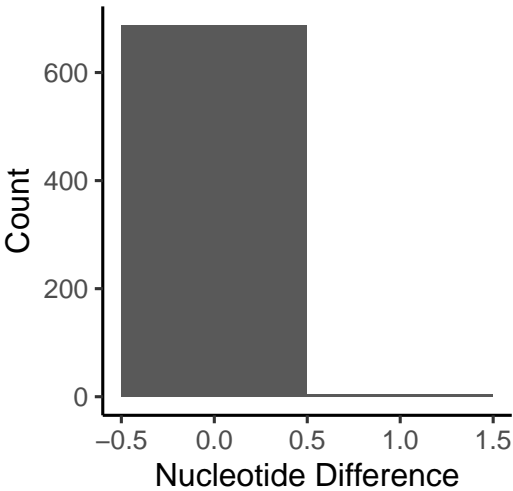
TRBV29-1\*ap02

1019 sequences assigned  
1012 (99.3%) exact matches, in which:  
994 unique CDR3  
13 unique J



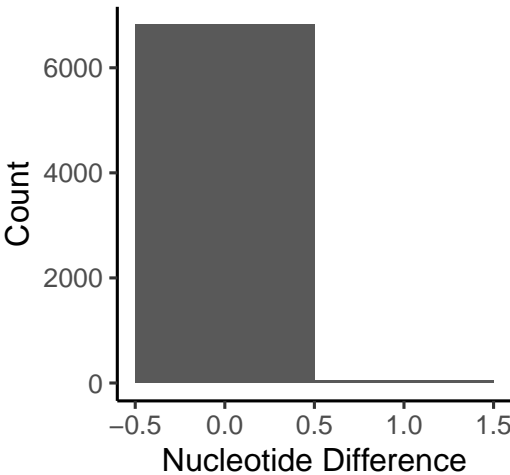
TRBV7-7\*ap01\_C315T

693 sequences assigned  
688 (99.3%) exact matches, in which:  
685 unique CDR3  
13 unique J



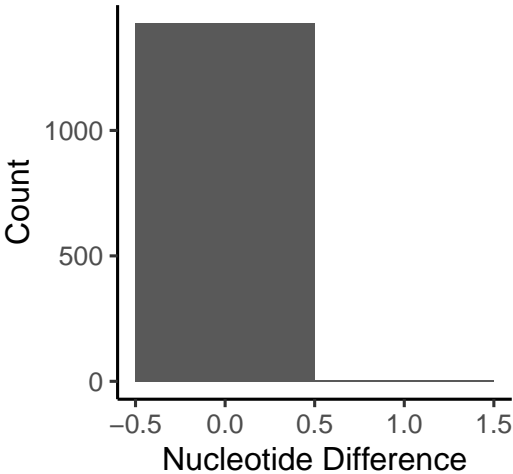
TRBV7-9\*ap01

6864 sequences assigned  
6819 (99.3%) exact matches, in which:  
6797 unique CDR3  
13 unique J



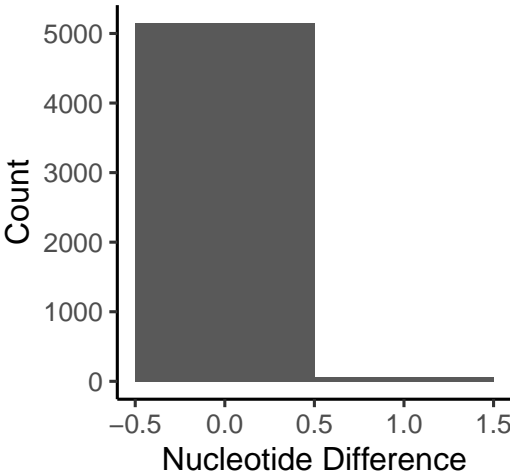
TRBV7-8\*ap01

1432 sequences assigned  
1428 (99.7%) exact matches, in which:  
1414 unique CDR3  
13 unique J

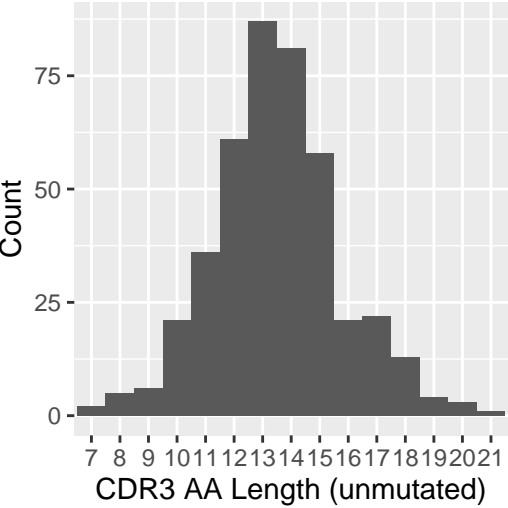


TRBV29-1\*ap01

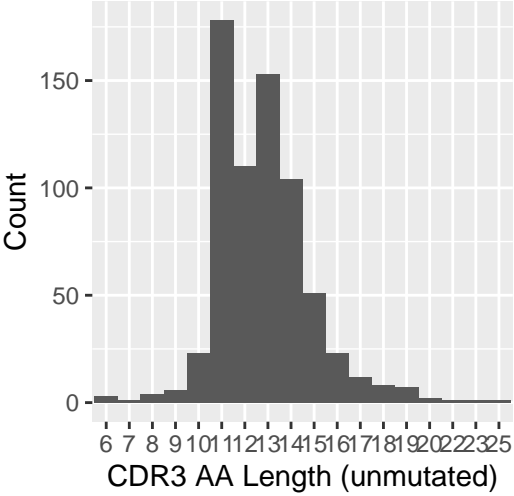
5211 sequences assigned  
5150 (98.8%) exact matches, in which:  
5095 unique CDR3  
13 unique J



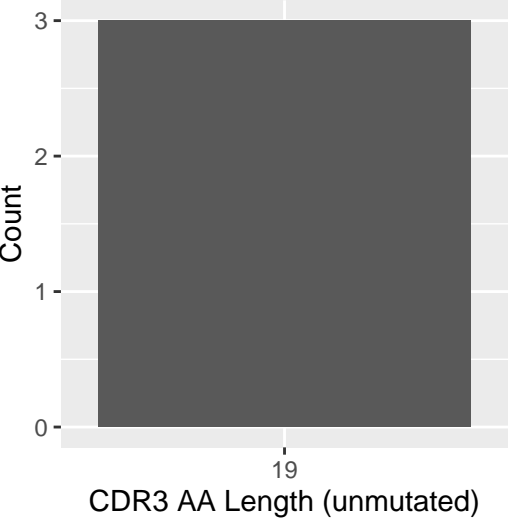
TRBV23-1\*ap01\_T304C



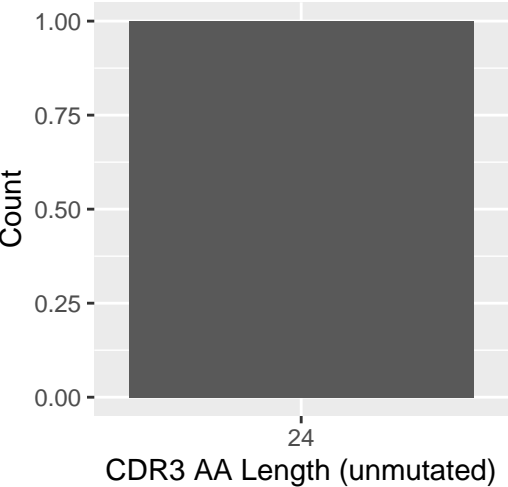
TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_T296C\_C314T



TRBV7-1\*ap01\_T296C





Warning – no inferred sequences found.