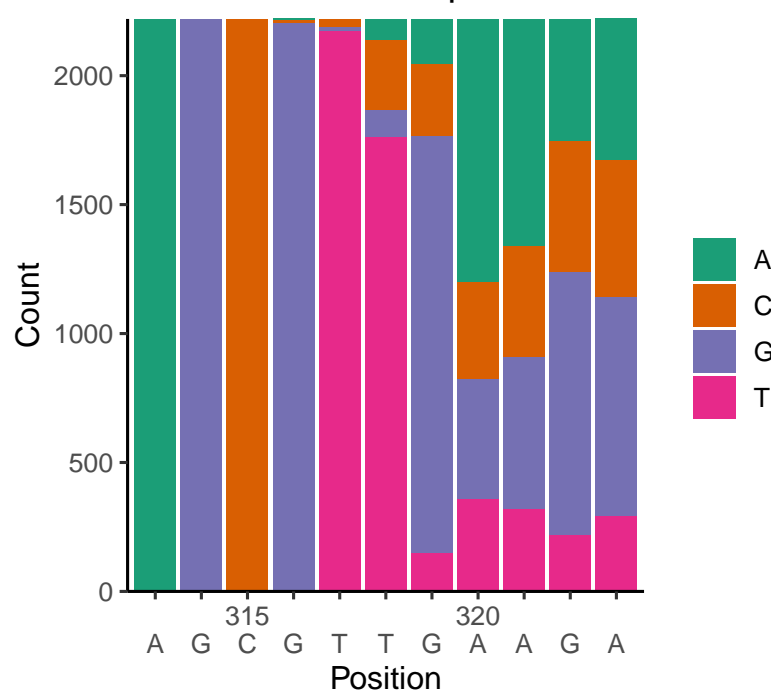
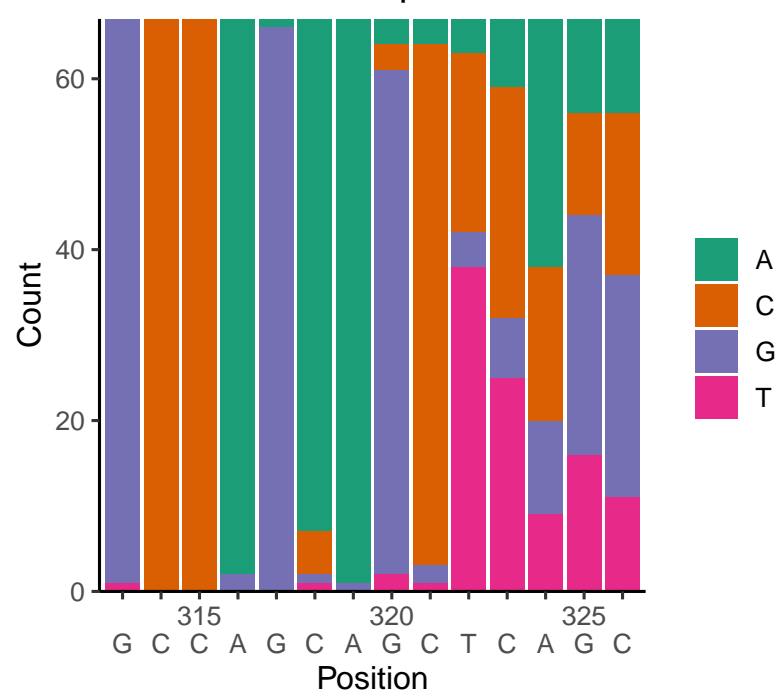


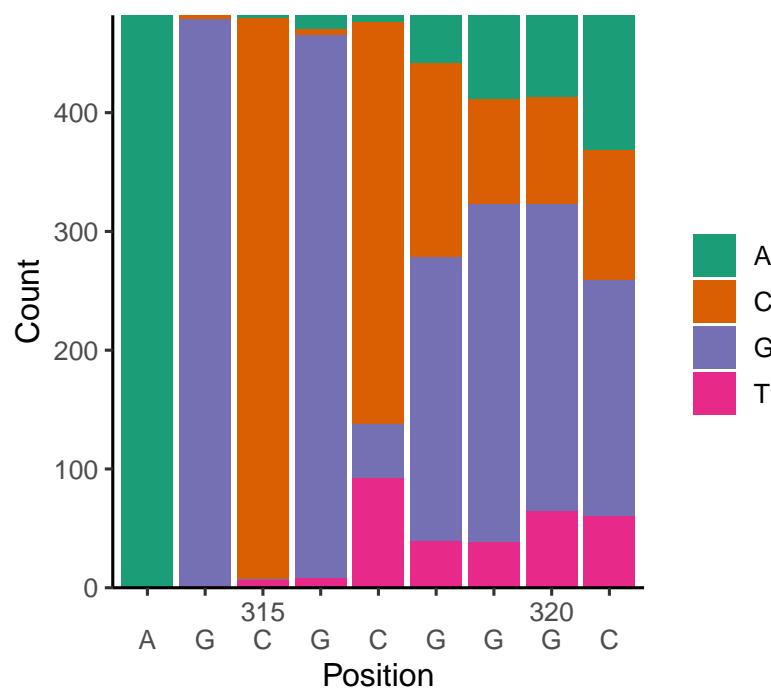
Gene TRBV29-1\*ap01\_C309G



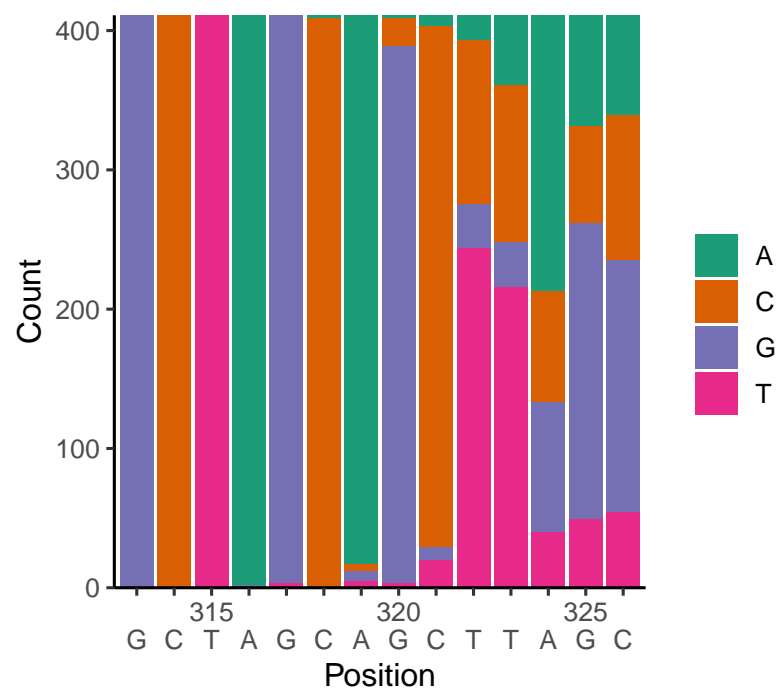
Gene TRBV7-1\*ap01\_G291C\_T296C



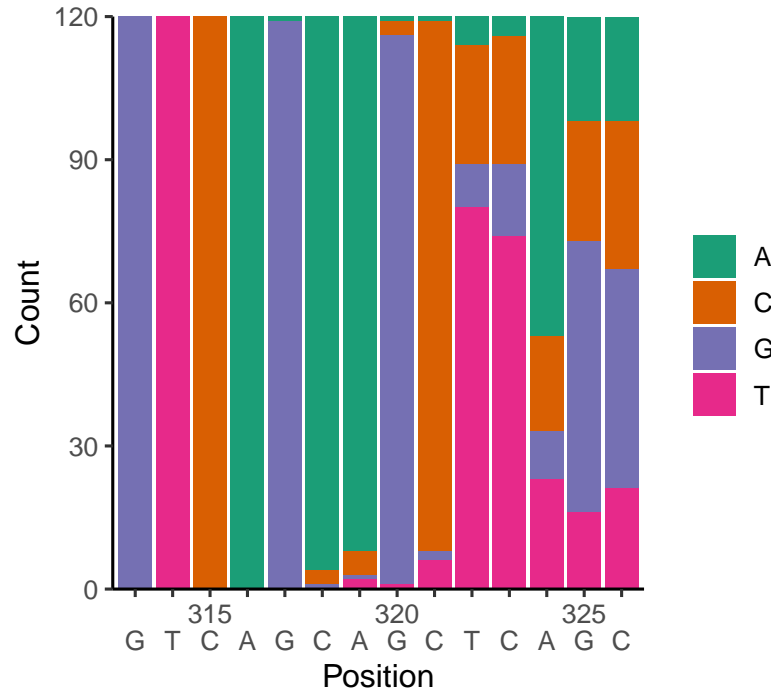
Gene TRBV29-1\*ap02\_C309G



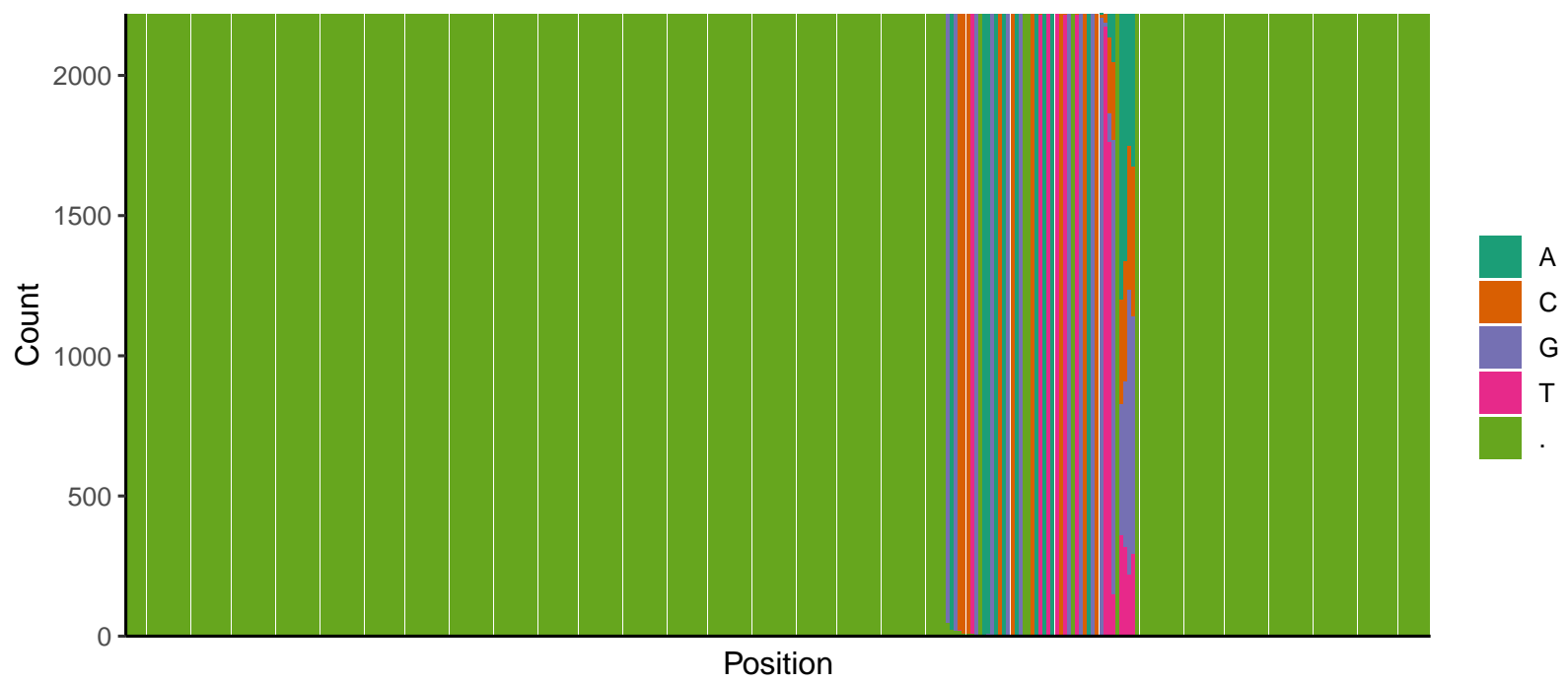
Gene TRBV7-7\*ap01\_C315T



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



Gene TRBV29-1\*ap01\_C309G



Gene TRBV29-1\*ap02\_C309G



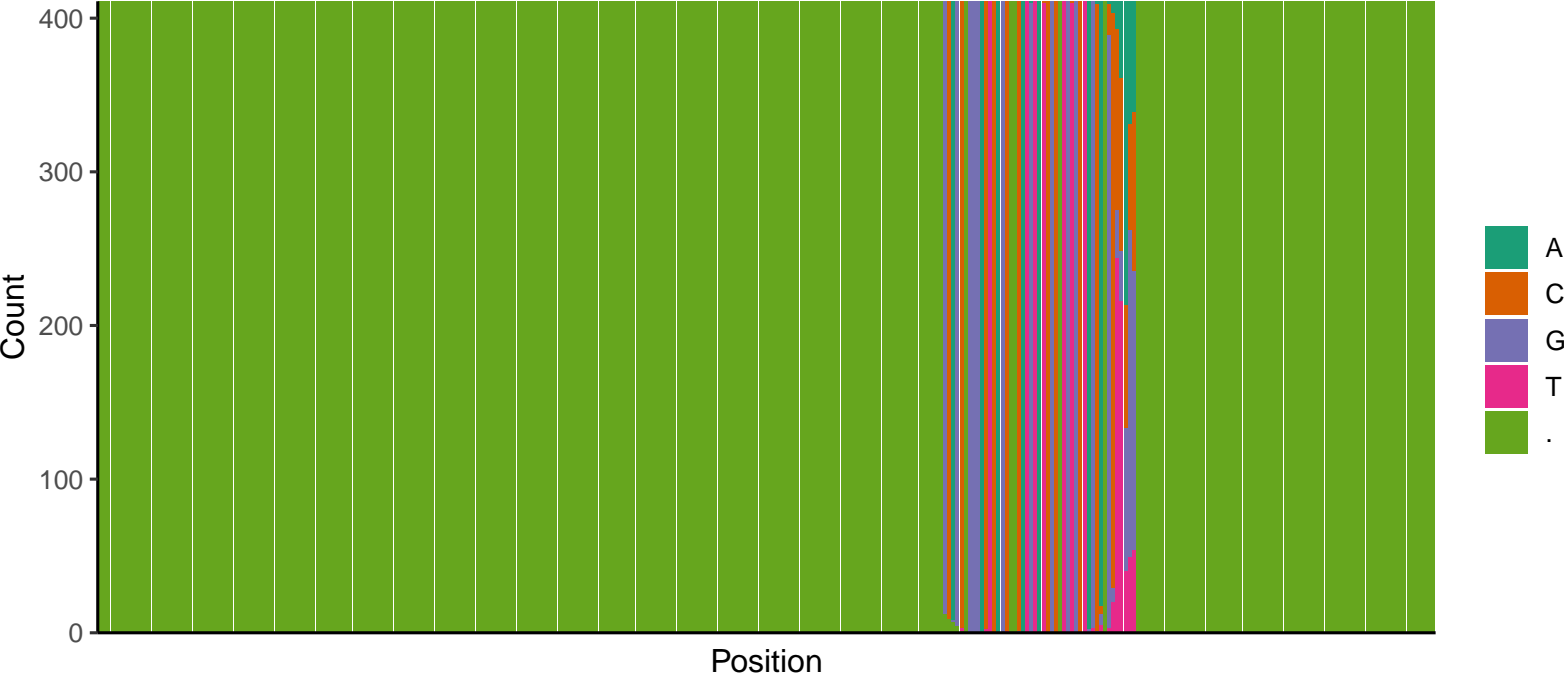
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



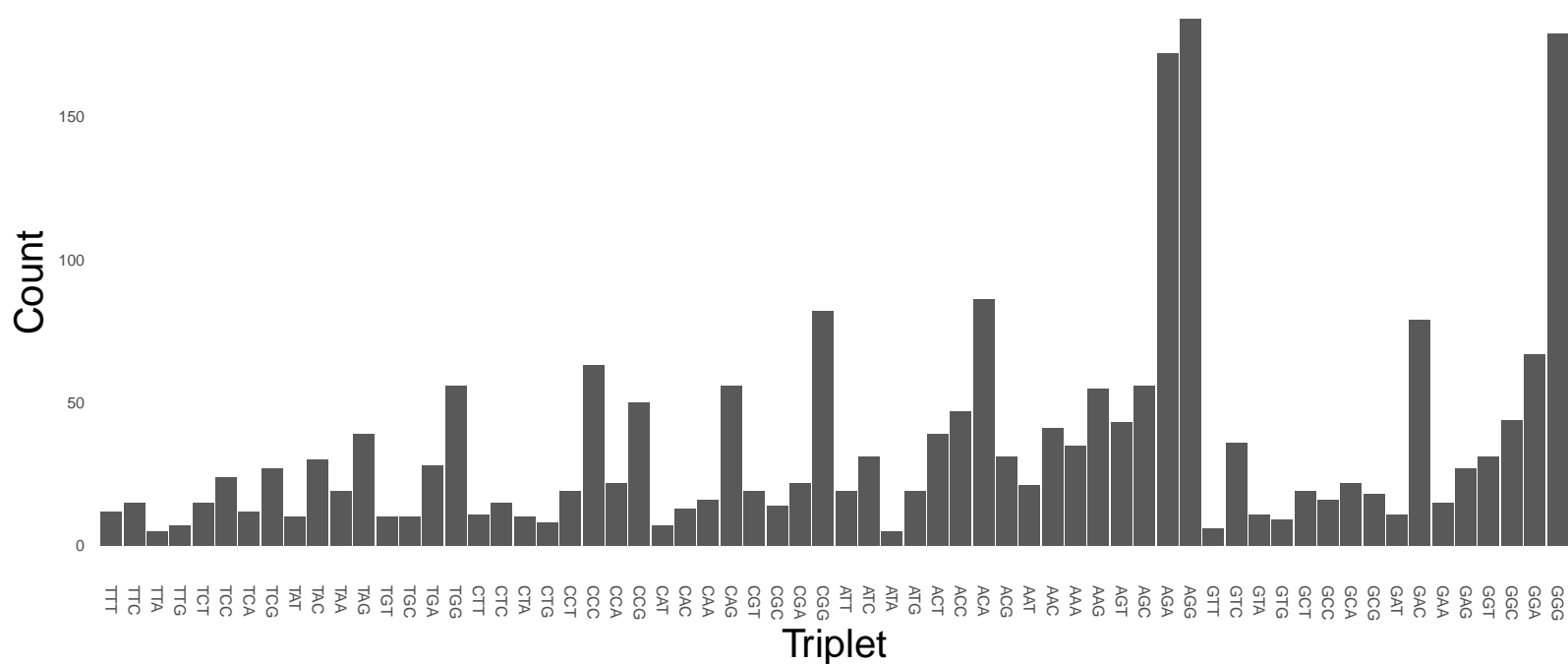
Gene TRBV7-1\*ap01\_G291C\_T296C



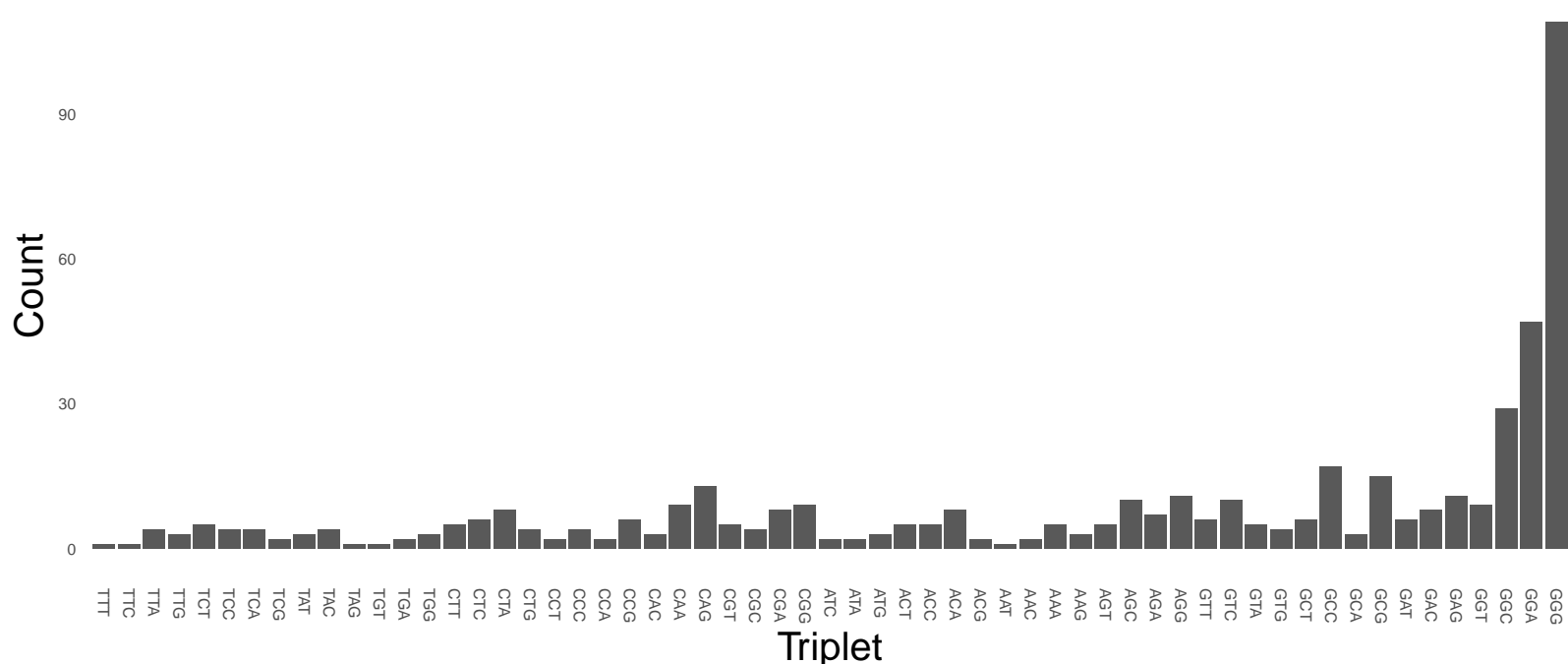
Gene TRBV7-7\*ap01\_C315T



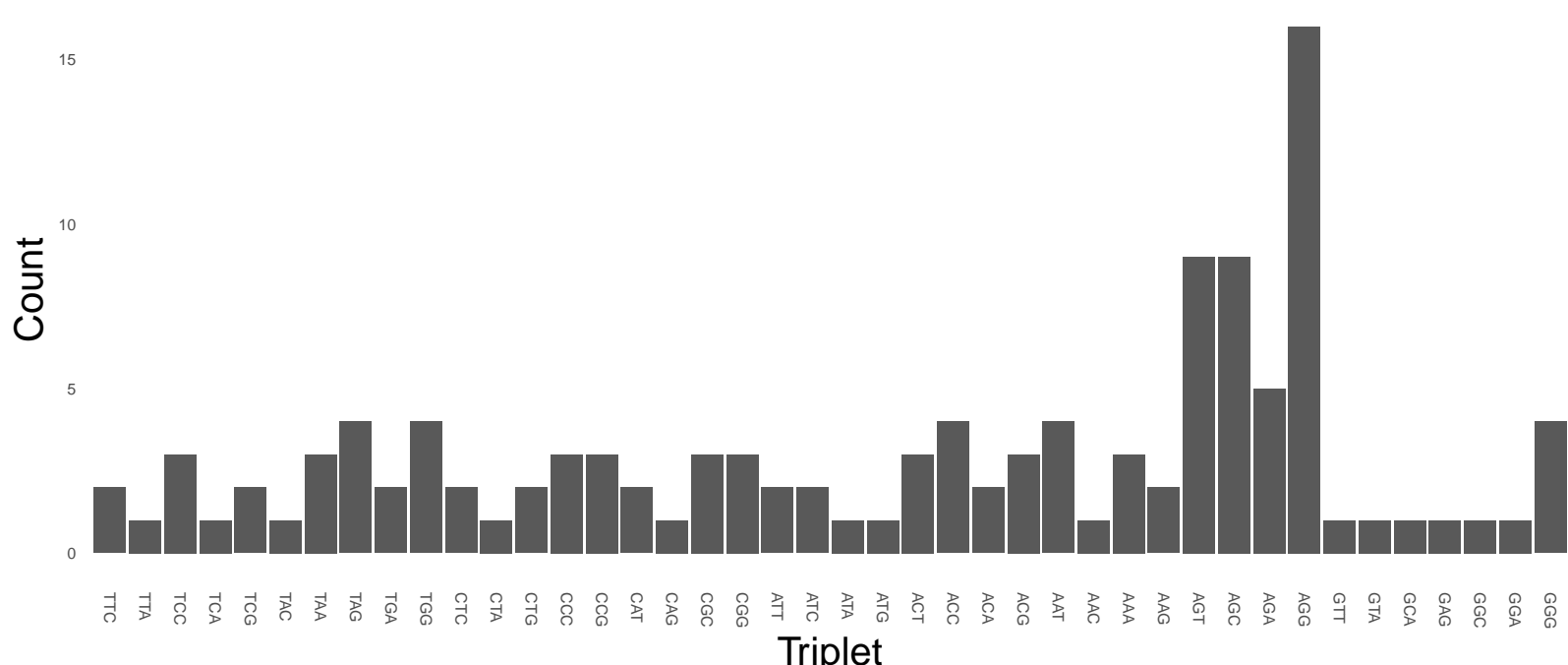
TRBV29–1\*ap01\_C309G– Final 3 nucleotides as a triplet



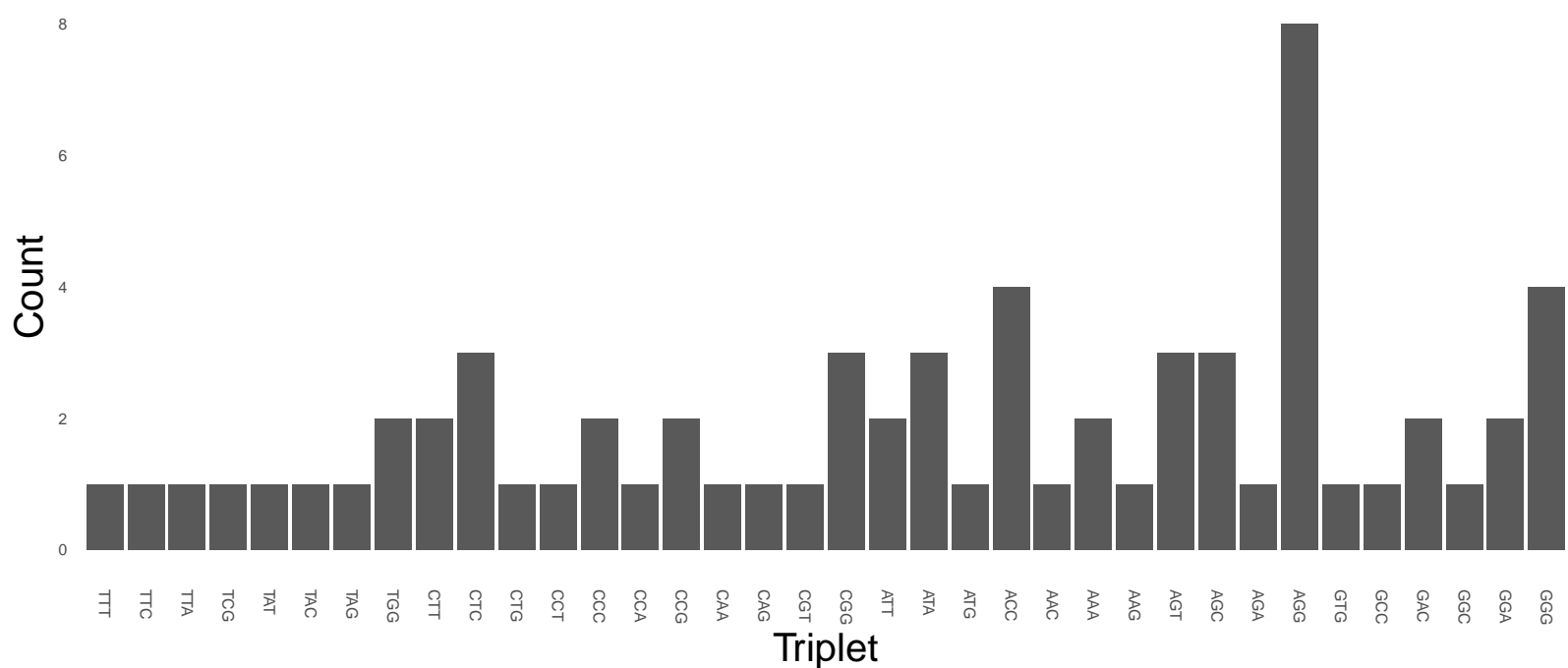
TRBV29–1\*ap02\_C309G– Final 3 nucleotides as a triplet



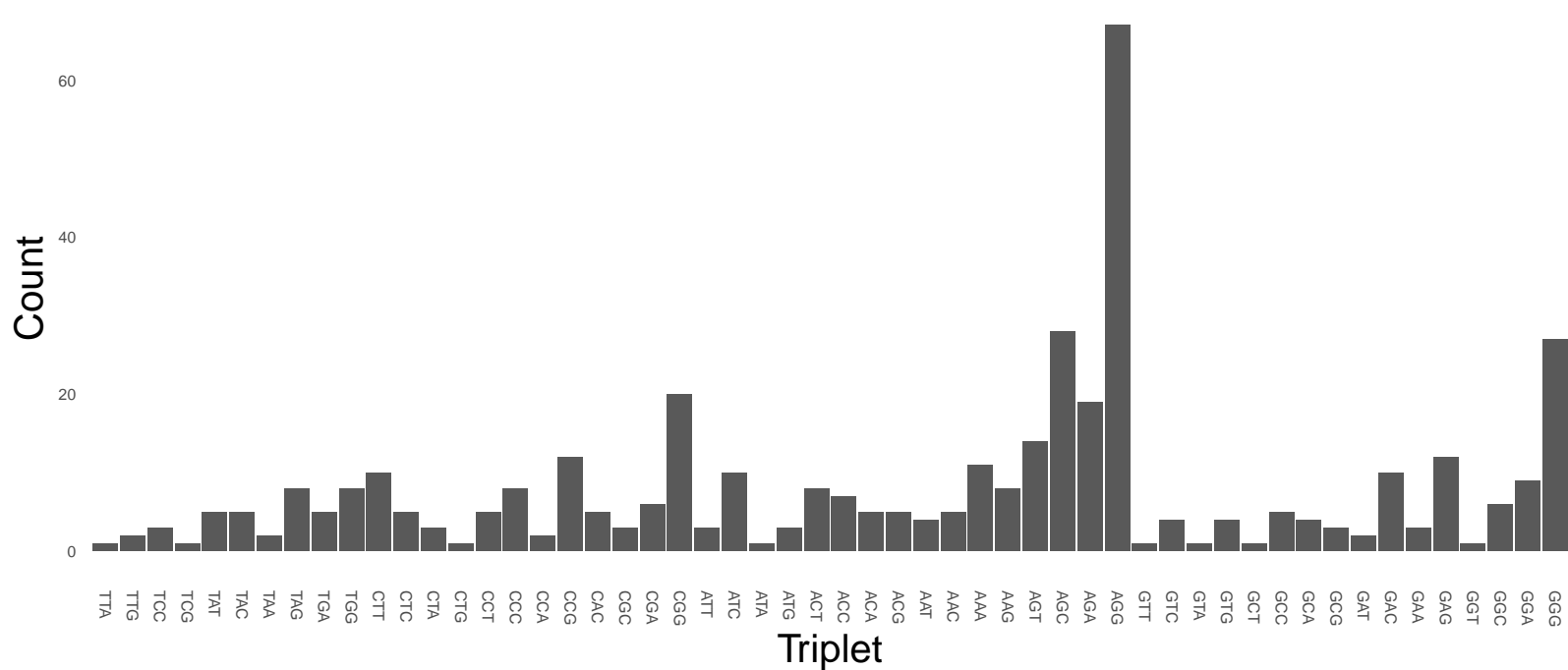
TRBV7–1\*ap01\_G291C\_T296C\_C314T– Final 3 nucleotides as a triplet



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

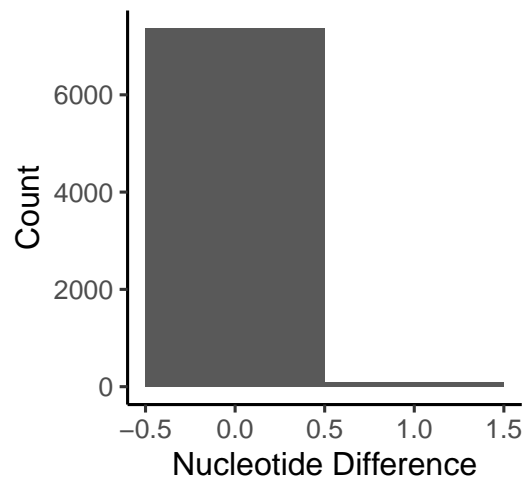


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



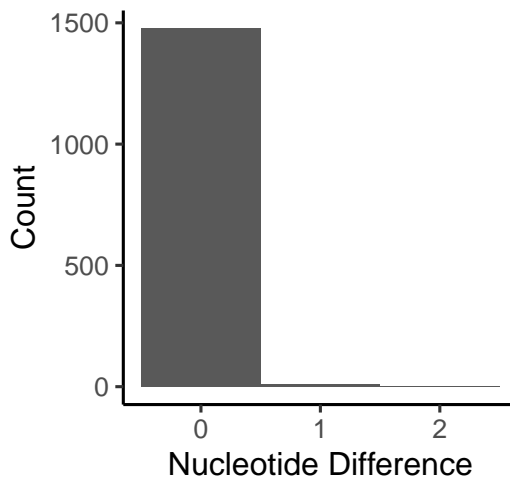
### TRBV20-1\*ap01

7465 sequences assigned  
7365 (98.7%) exact matches, in which:  
7220 unique CDR3  
13 unique J



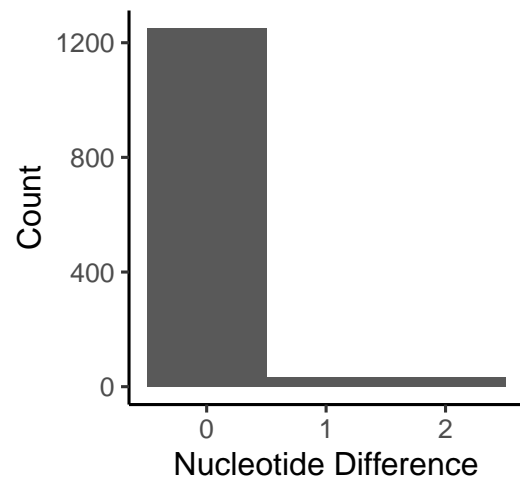
### TRBV10-2\*ap01

1488 sequences assigned  
1477 (99.3%) exact matches, in which:  
1439 unique CDR3  
13 unique J



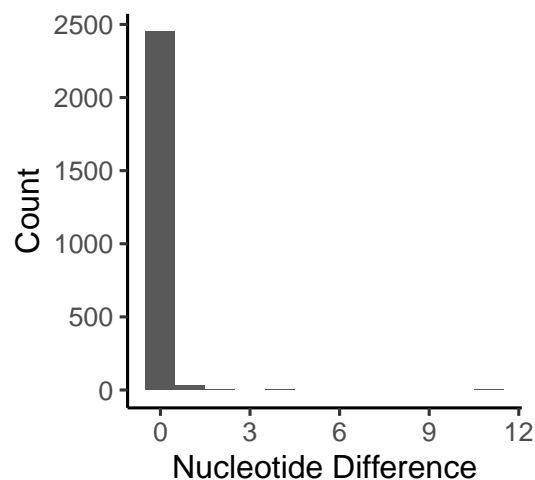
### TRBV13\*ap01

1315 sequences assigned  
1250 (95.1%) exact matches, in which:  
1217 unique CDR3  
13 unique J



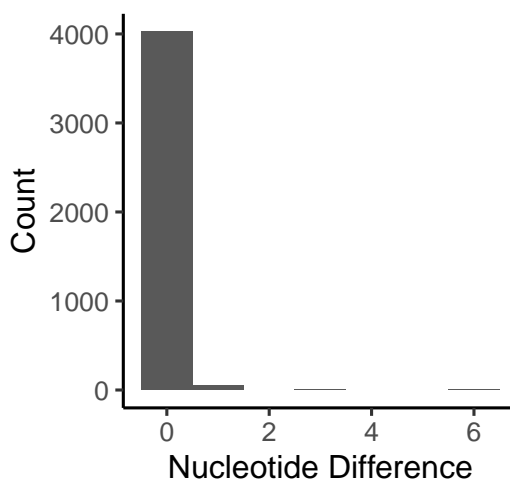
### TRBV10-1\*ap01

2483 sequences assigned  
2450 (98.7%) exact matches, in which:  
2382 unique CDR3  
13 unique J



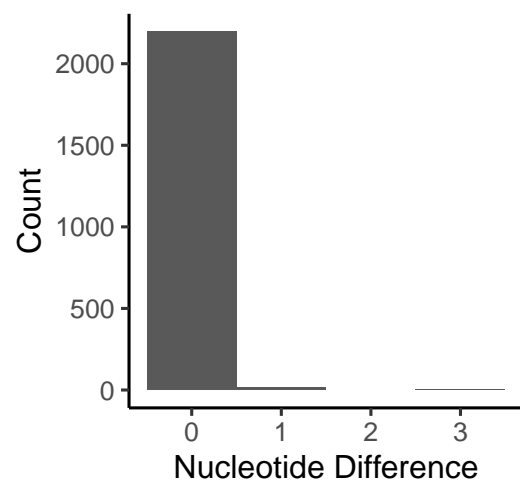
### TRBV10-3\*ap01

4075 sequences assigned  
4025 (98.8%) exact matches, in which:  
3914 unique CDR3  
13 unique J



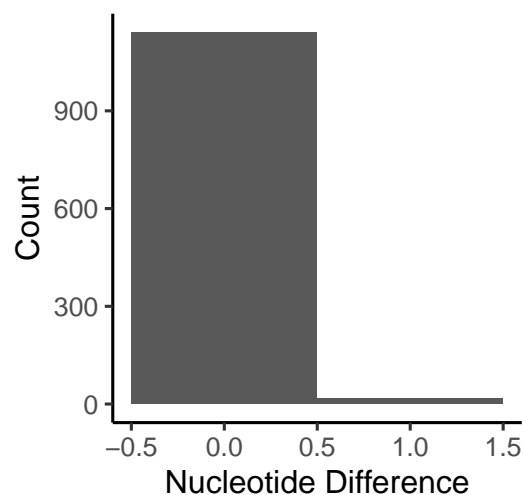
### TRBV14\*ap01

2215 sequences assigned  
2196 (99.1%) exact matches, in which:  
2155 unique CDR3  
13 unique J



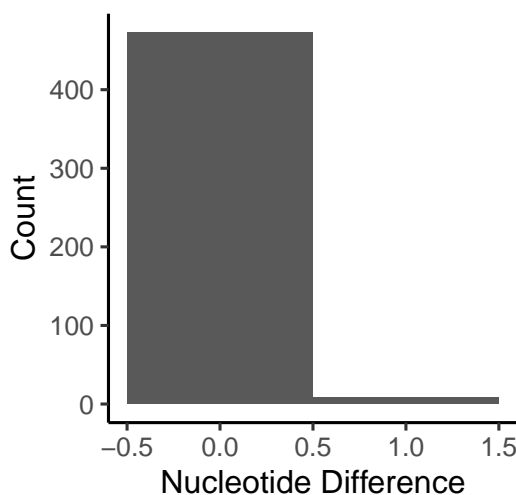
### TRBV20-1\*ap02

1157 sequences assigned  
1141 (98.6%) exact matches, in which:  
1116 unique CDR3  
13 unique J



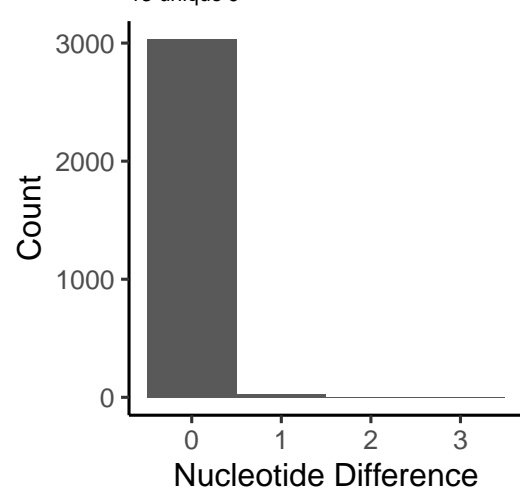
### TRBV1\*ap01

481 sequences assigned  
473 (98.3%) exact matches, in which:  
463 unique CDR3  
13 unique J



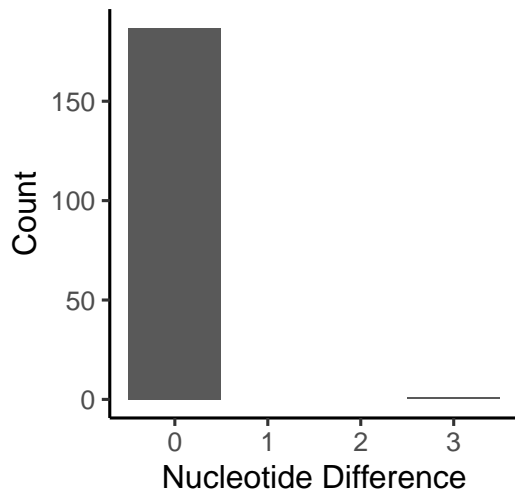
### TRBV15\*ap02

3066 sequences assigned  
3034 (99%) exact matches, in which:  
2963 unique CDR3  
13 unique J



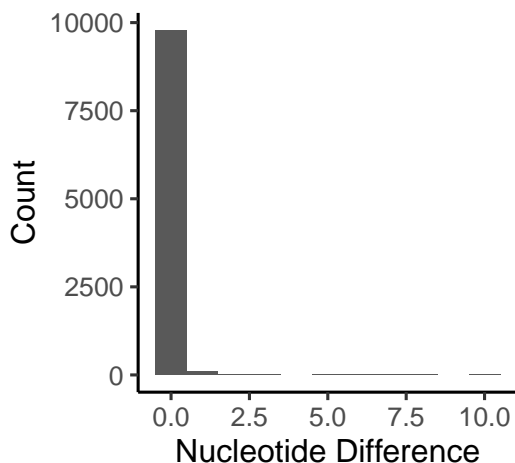
### TRBV16\*ap01

188 sequences assigned  
187 (99.5%) exact matches, in which:  
185 unique CDR3  
13 unique J



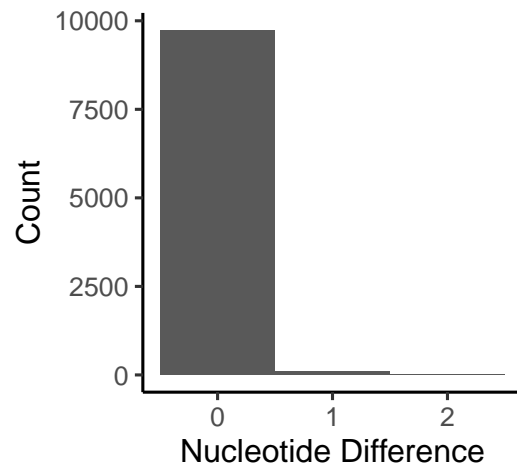
### TRBV19\*ap01

9899 sequences assigned  
9786 (98.9%) exact matches, in which:  
9622 unique CDR3  
13 unique J



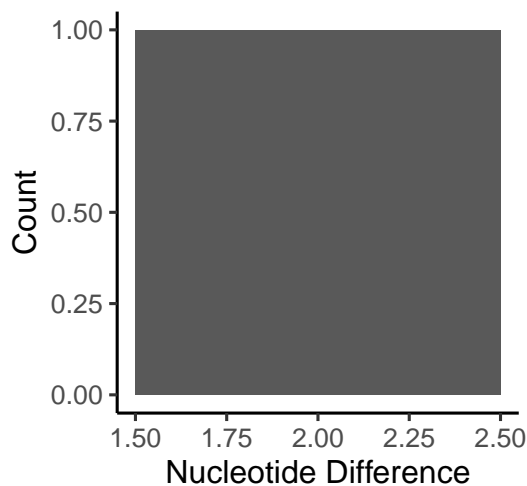
### TRBV28\*ap01

9836 sequences assigned  
9736 (99%) exact matches, in which:  
9524 unique CDR3  
13 unique J



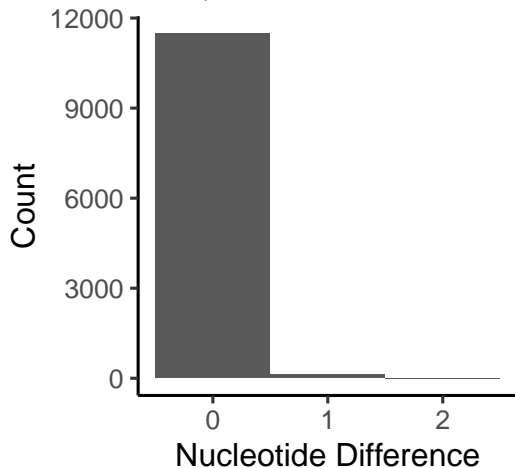
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



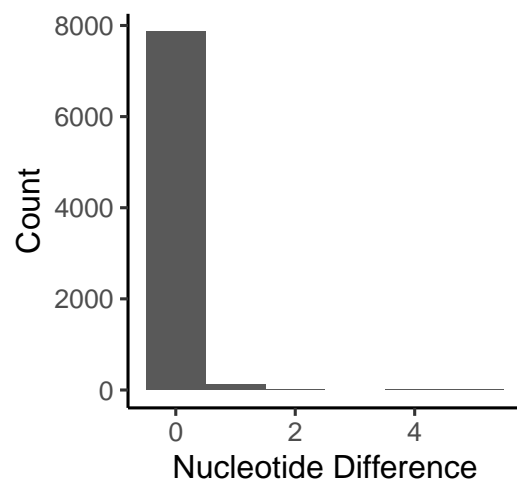
### TRBV2\*ap01

11620 sequences assigned  
11487 (98.9%) exact matches, in which:  
11251 unique CDR3  
13 unique J



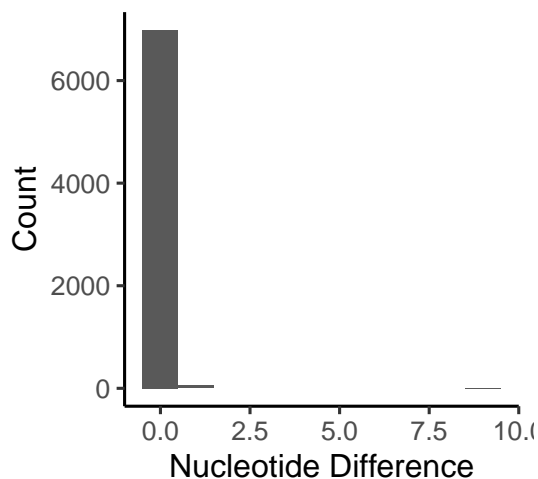
### TRBV30\*ap01

7988 sequences assigned  
7863 (98.4%) exact matches, in which:  
7769 unique CDR3  
13 unique J



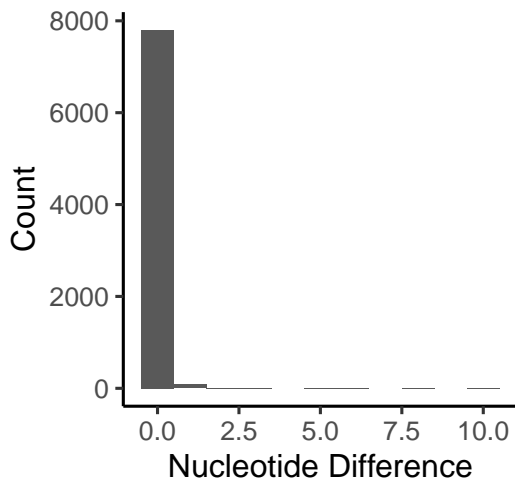
### TRBV18\*ap01

7038 sequences assigned  
6985 (99.2%) exact matches, in which:  
6883 unique CDR3  
13 unique J



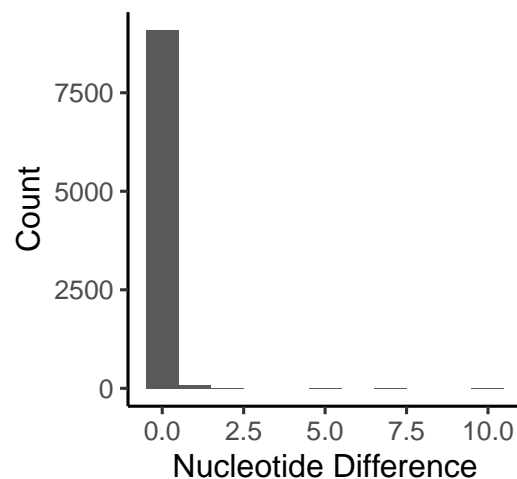
### TRBV27\*ap01

7896 sequences assigned  
7799 (98.8%) exact matches, in which:  
7605 unique CDR3  
13 unique J



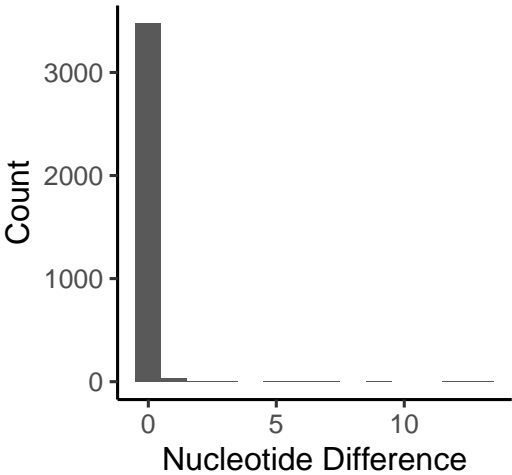
### TRBV9\*ap01

9192 sequences assigned  
9092 (98.9%) exact matches, in which:  
8895 unique CDR3  
13 unique J



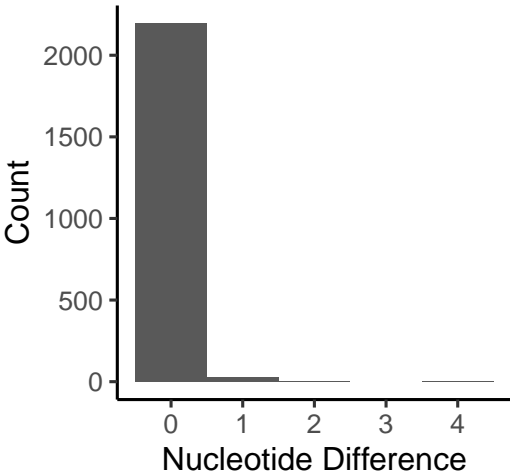
TRBV21-1\*ap01

3528 sequences assigned  
3476 (98.5%) exact matches, in which:  
3402 unique CDR3  
13 unique J



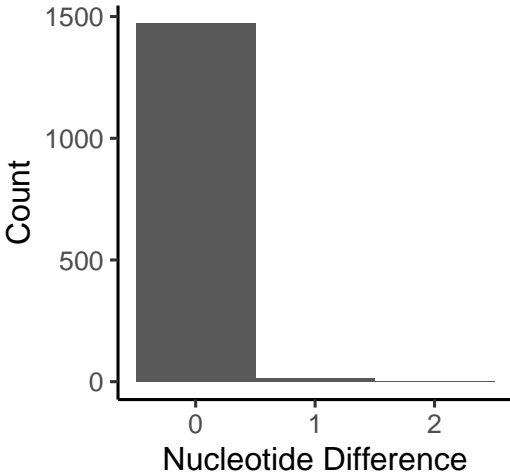
TRBV11-3\*ap01

2227 sequences assigned  
2195 (98.6%) exact matches, in which:  
2148 unique CDR3  
13 unique J



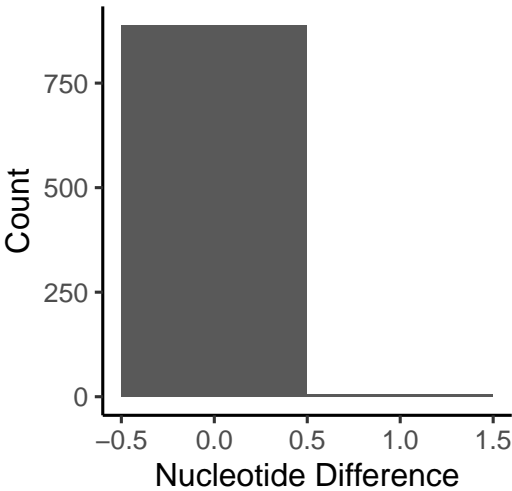
TRBV12-5\*ap01

1486 sequences assigned  
1472 (99.1%) exact matches, in which:  
1448 unique CDR3  
13 unique J



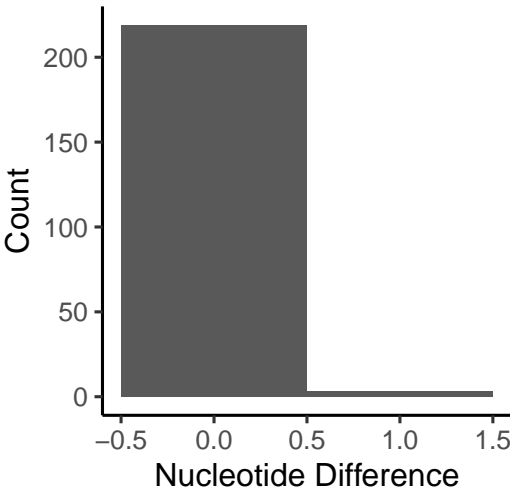
TRBV11-1\*ap01

896 sequences assigned  
889 (99.2%) exact matches, in which:  
869 unique CDR3  
13 unique J



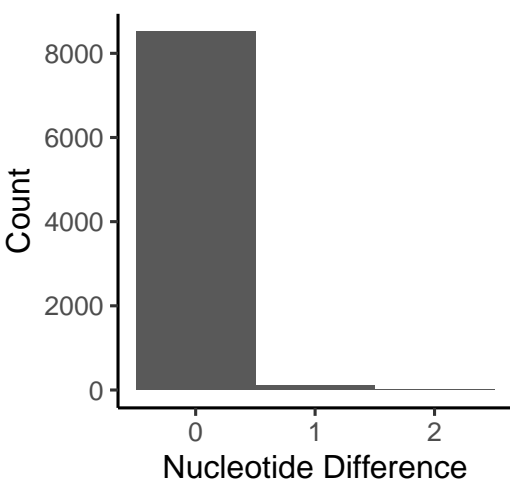
TRBV12-1\*ap01

222 sequences assigned  
219 (98.6%) exact matches, in which:  
211 unique CDR3  
13 unique J



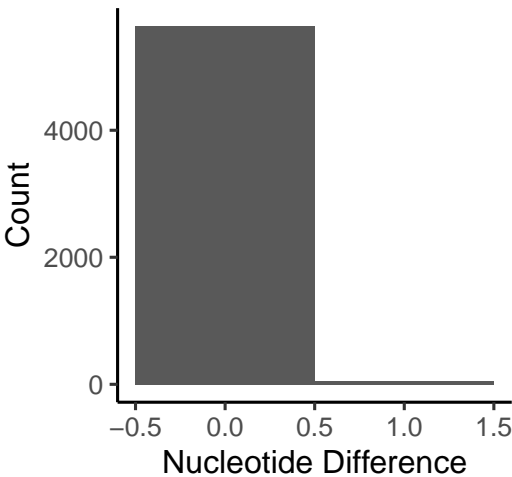
TRBV12-34\*ap01

8618 sequences assigned  
8513 (98.8%) exact matches, in which:  
8338 unique CDR3  
13 unique J



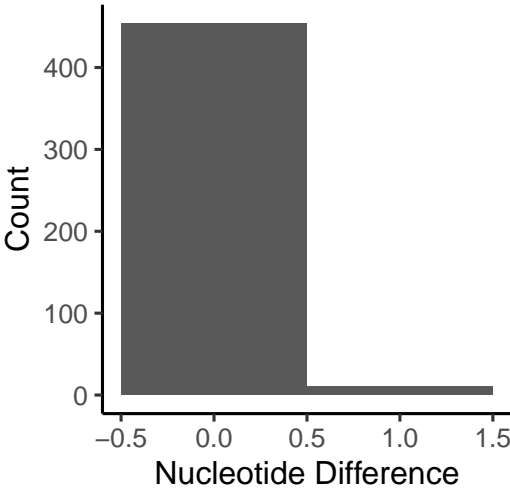
TRBV11-2\*ap01

5698 sequences assigned  
5641 (99%) exact matches, in which:  
5517 unique CDR3  
13 unique J



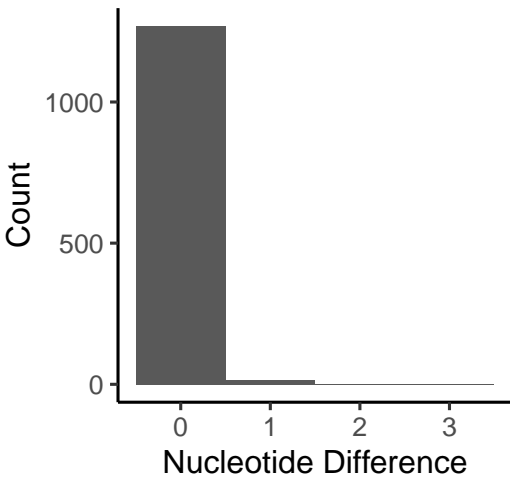
TRBV12-2\*ap01

464 sequences assigned  
454 (97.8%) exact matches, in which:  
443 unique CDR3  
13 unique J



TRBV23-1\*ap01

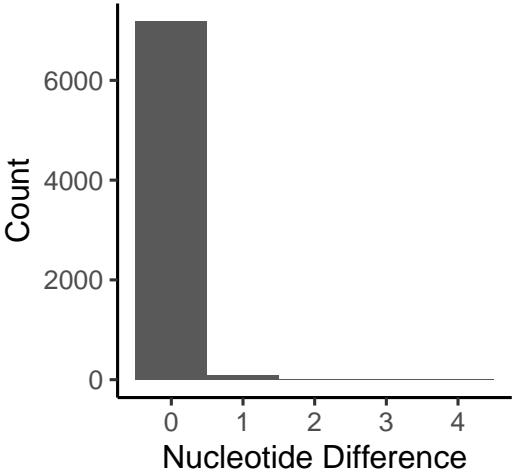
1286 sequences assigned  
1269 (98.7%) exact matches, in which:  
1241 unique CDR3  
13 unique J





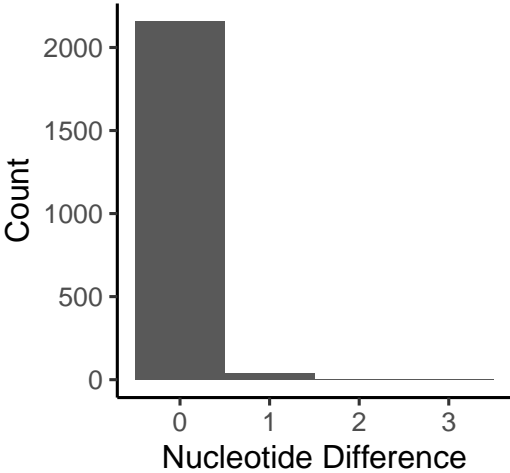
TRBV3-12\*ap01

7271 sequences assigned  
7182 (98.8%) exact matches, in which:  
7025 unique CDR3  
13 unique J



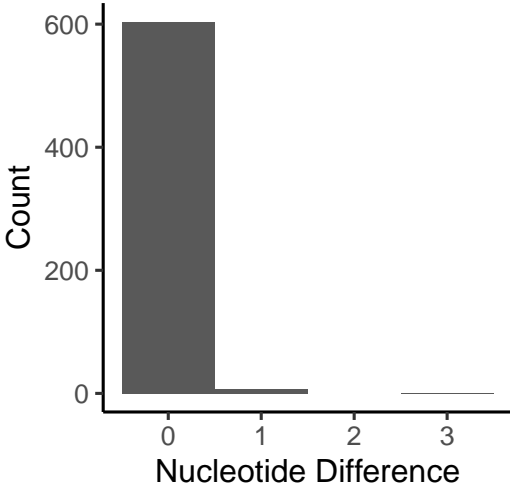
TRBV4-2\*ap01

2197 sequences assigned  
2157 (98.2%) exact matches, in which:  
2121 unique CDR3  
13 unique J



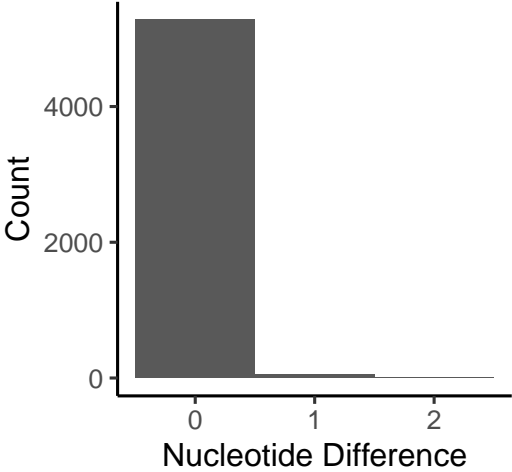
TRBV5-3\*ap01

612 sequences assigned  
604 (98.7%) exact matches, in which:  
591 unique CDR3  
13 unique J



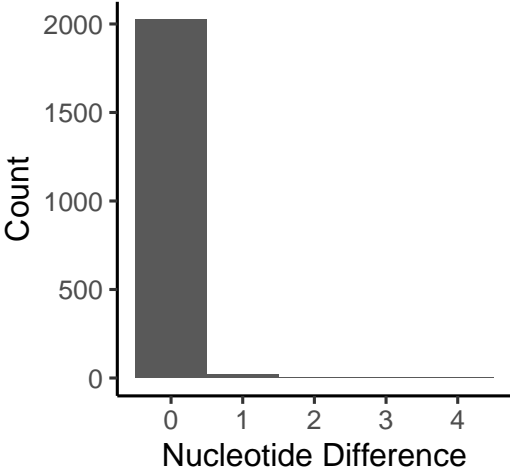
TRBV4-1\*ap01

5328 sequences assigned  
5279 (99.1%) exact matches, in which:  
5151 unique CDR3  
13 unique J



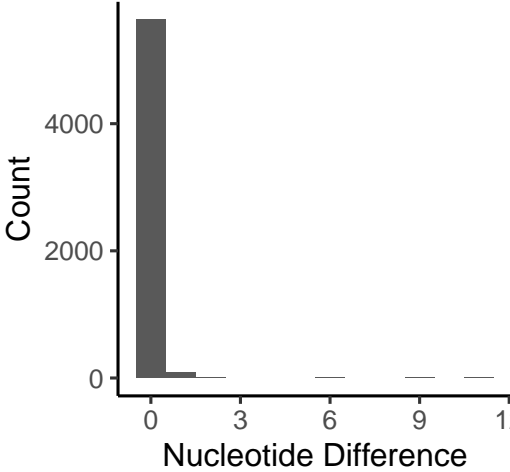
TRBV25-1\*ap01

2050 sequences assigned  
2024 (98.7%) exact matches, in which:  
1980 unique CDR3  
13 unique J



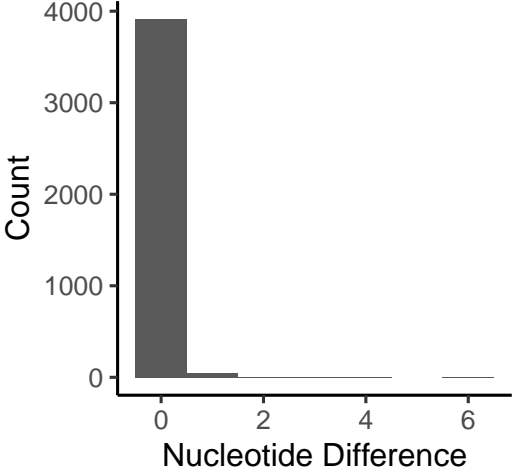
TRBV5-4\*ap01

5722 sequences assigned  
5635 (98.5%) exact matches, in which:  
5515 unique CDR3  
13 unique J



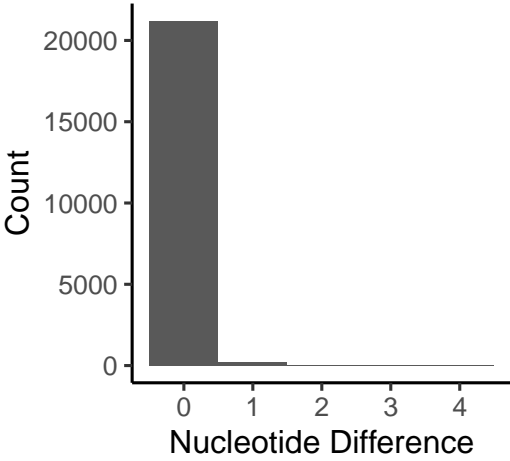
TRBV24-1\*ap01

3965 sequences assigned  
3914 (98.7%) exact matches, in which:  
3838 unique CDR3  
13 unique J



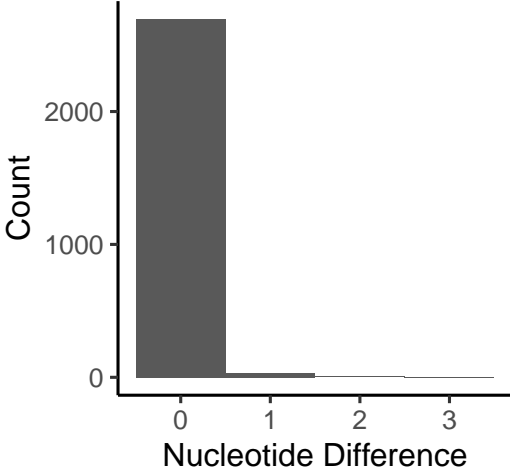
TRBV5-1\*ap01

21429 sequences assigned  
21210 (99%) exact matches, in which:  
20606 unique CDR3  
13 unique J



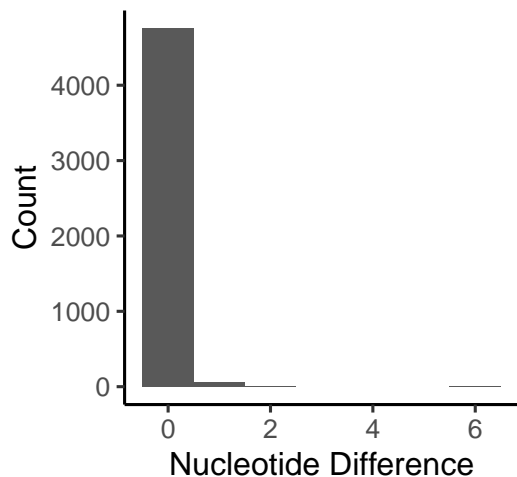
TRBV5-5\*ap01

2736 sequences assigned  
2696 (98.5%) exact matches, in which:  
2657 unique CDR3  
13 unique J



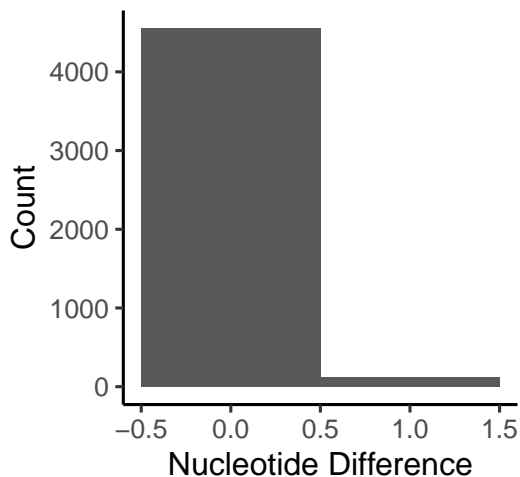
### TRBV5-6\*ap01

4826 sequences assigned  
4754 (98.5%) exact matches, in which:  
4612 unique CDR3  
13 unique J



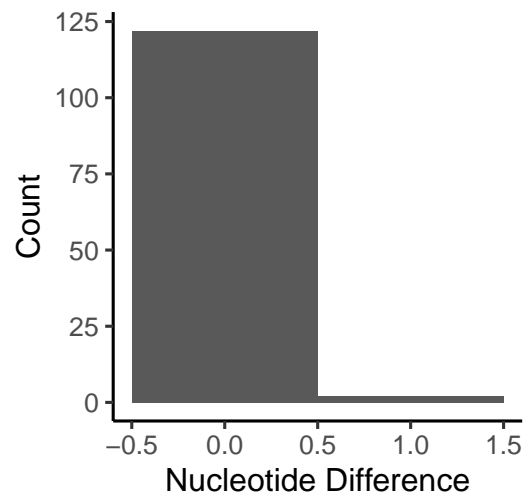
### TRBV6-1\*ap01

4672 sequences assigned  
4552 (97.4%) exact matches, in which:  
4445 unique CDR3  
13 unique J



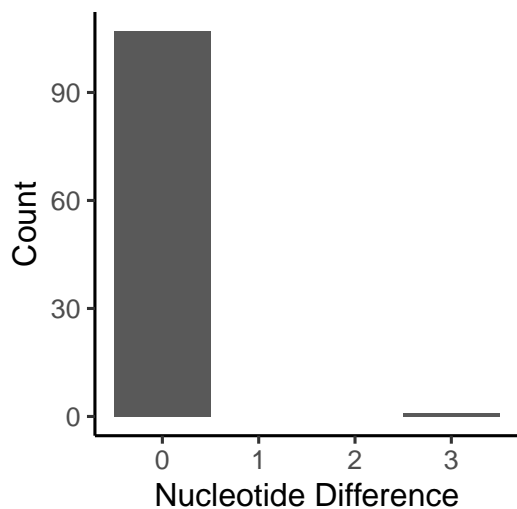
### TRBV6-8\*ap01

124 sequences assigned  
122 (98.4%) exact matches, in which:  
121 unique CDR3  
13 unique J



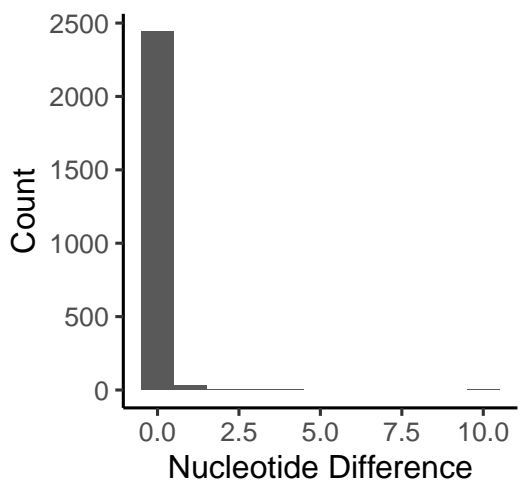
### TRBV5-7\*ap01

108 sequences assigned  
107 (99.1%) exact matches, in which:  
104 unique CDR3  
13 unique J



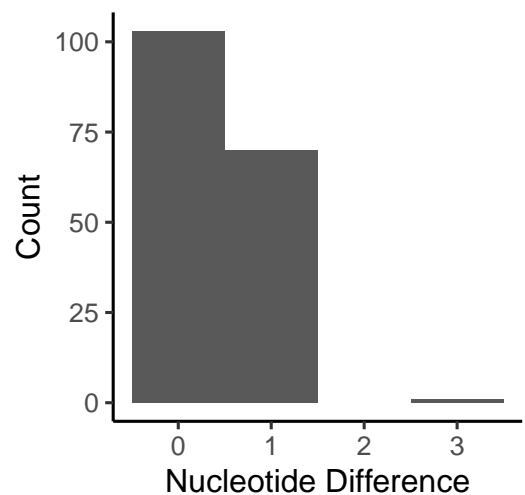
### TRBV6-4\*ap01

2480 sequences assigned  
2441 (98.4%) exact matches, in which:  
2399 unique CDR3  
13 unique J



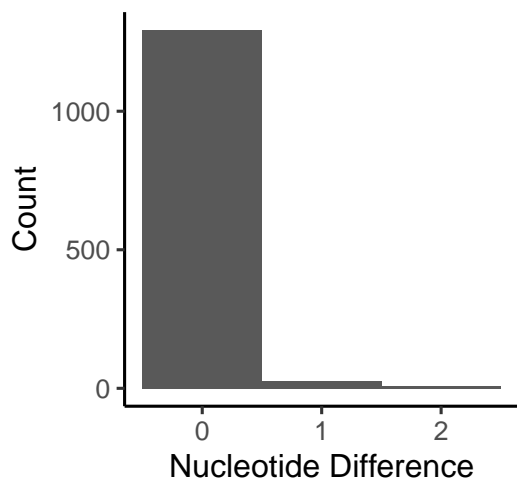
### TRBV6-9\*ap01

174 sequences assigned  
103 (59.2%) exact matches, in which:  
102 unique CDR3  
13 unique J



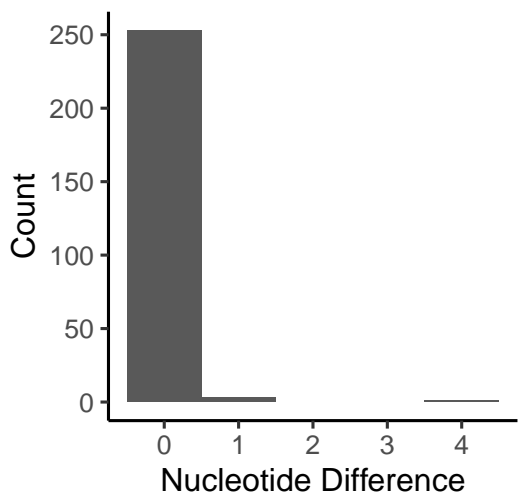
### TRBV5-8\*ap01

1327 sequences assigned  
1293 (97.4%) exact matches, in which:  
1271 unique CDR3  
13 unique J



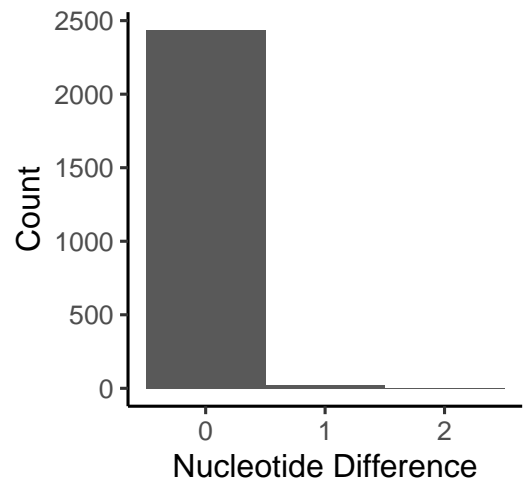
### TRBV6-7\*ap01

257 sequences assigned  
253 (98.4%) exact matches, in which:  
242 unique CDR3  
13 unique J



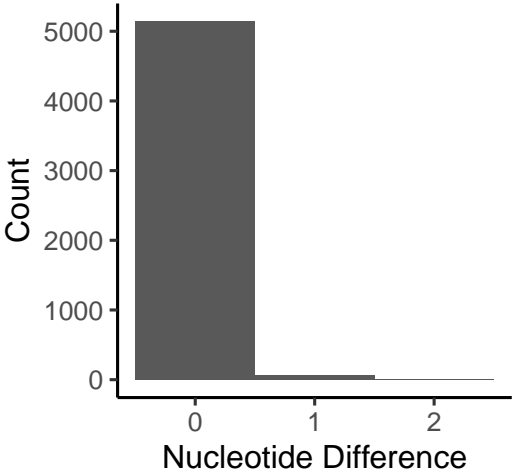
### TRBV6-23\*ap01

2461 sequences assigned  
2436 (99%) exact matches, in which:  
2373 unique CDR3  
13 unique J



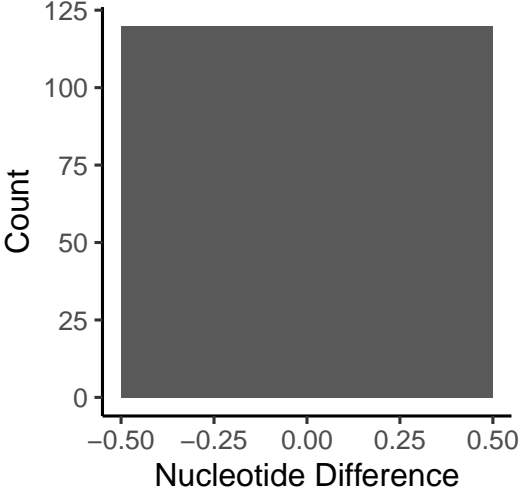
TRBV6-56\*ap01

5205 sequences assigned  
5141 (98.8%) exact matches, in which:  
5032 unique CDR3  
13 unique J



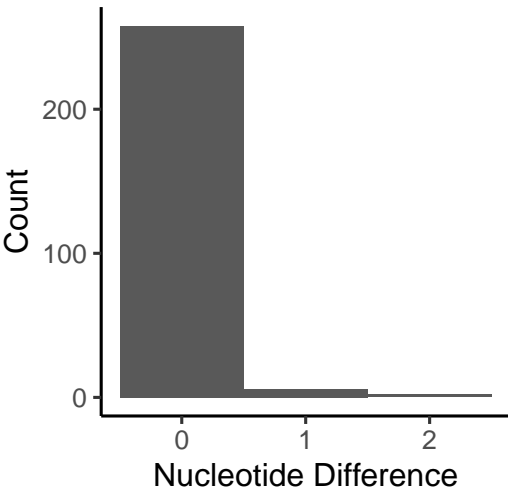
TRBV7-1\*ap01\_G291C\_

120 sequences assigned  
120 (100%) exact matches, in which:  
118 unique CDR3  
13 unique J



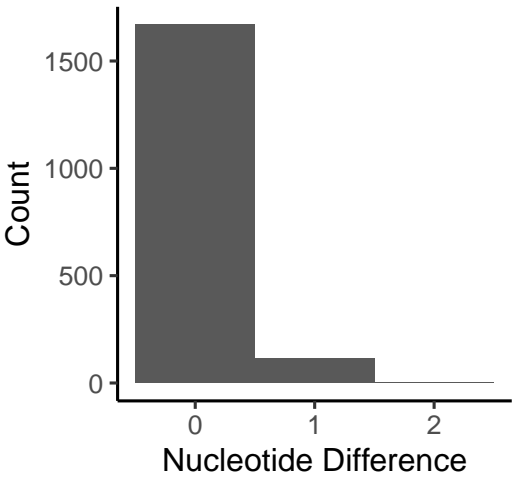
TRBV7-4\*ap01

266 sequences assigned  
258 (97%) exact matches, in which:  
255 unique CDR3  
13 unique J



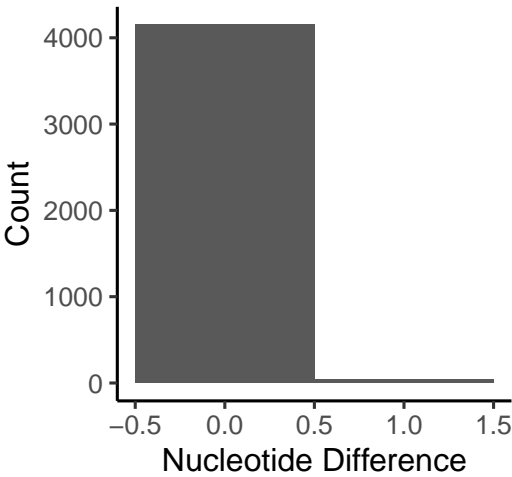
TRBV6-56\*ap02

1783 sequences assigned  
1669 (93.6%) exact matches, in which:  
1629 unique CDR3  
13 unique J



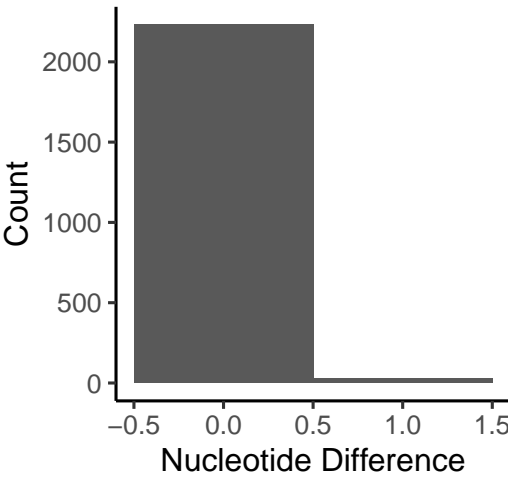
TRBV7-2\*ap01

4187 sequences assigned  
4151 (99.1%) exact matches, in which:  
4088 unique CDR3  
14 unique J



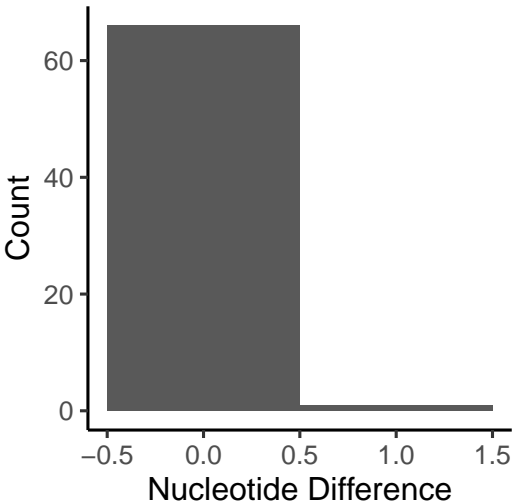
TRBV7-6\*ap01

2257 sequences assigned  
2231 (98.8%) exact matches, in which:  
2173 unique CDR3  
13 unique J



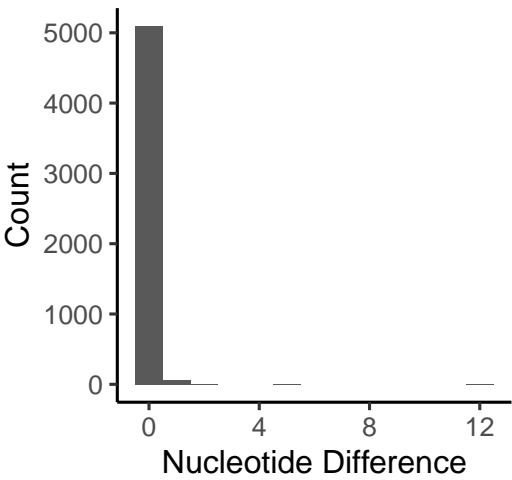
TRBV7-1\*ap01\_G291C\_T

67 sequences assigned  
66 (98.5%) exact matches, in which:  
66 unique CDR3  
13 unique J



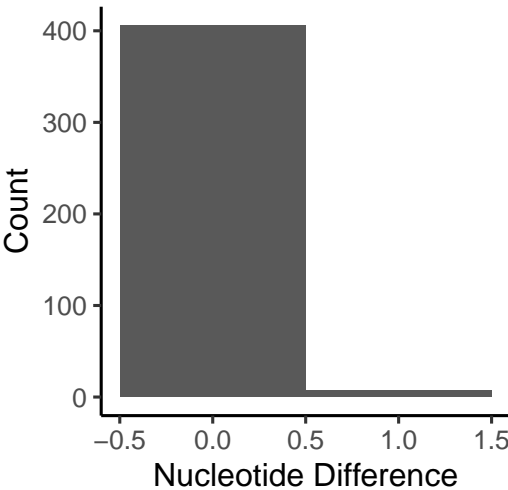
TRBV7-3\*ap01

5166 sequences assigned  
5096 (98.6%) exact matches, in which:  
5009 unique CDR3  
13 unique J



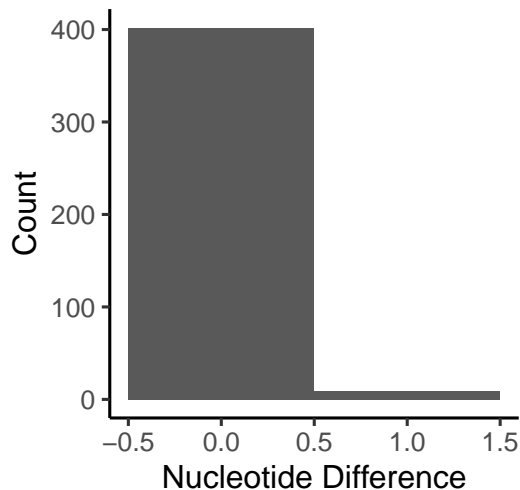
TRBV7-7\*ap01

413 sequences assigned  
406 (98.3%) exact matches, in which:  
398 unique CDR3  
13 unique J



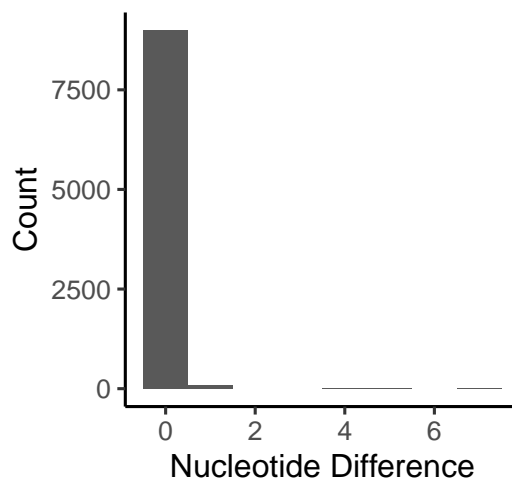
### TRBV7-7\*ap01\_C315T

411 sequences assigned  
402 (97.8%) exact matches, in which:  
395 unique CDR3  
13 unique J



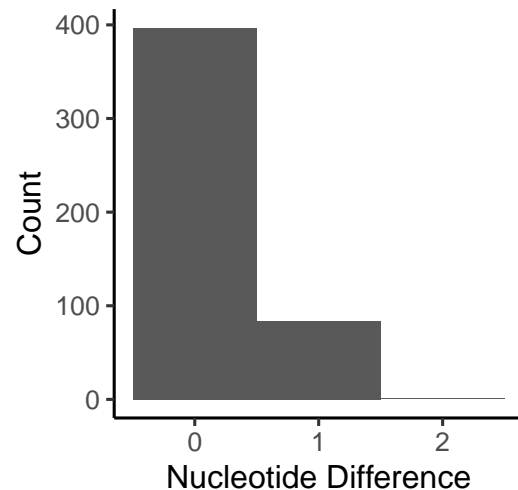
### TRBV7-9\*ap01

9076 sequences assigned  
8991 (99.1%) exact matches, in which:  
8816 unique CDR3  
13 unique J



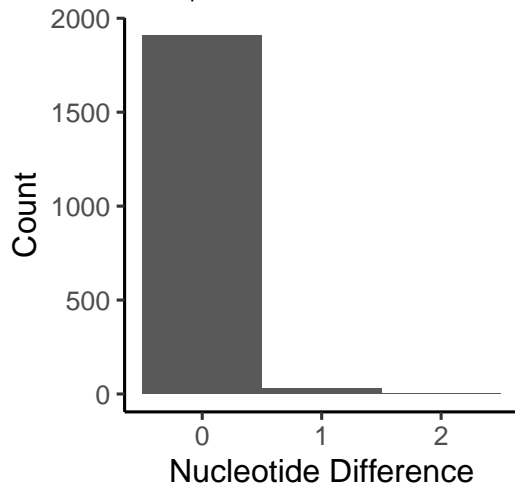
### TRBV29-1\*ap02\_C309G

482 sequences assigned  
397 (82.4%) exact matches, in which:  
392 unique CDR3  
13 unique J



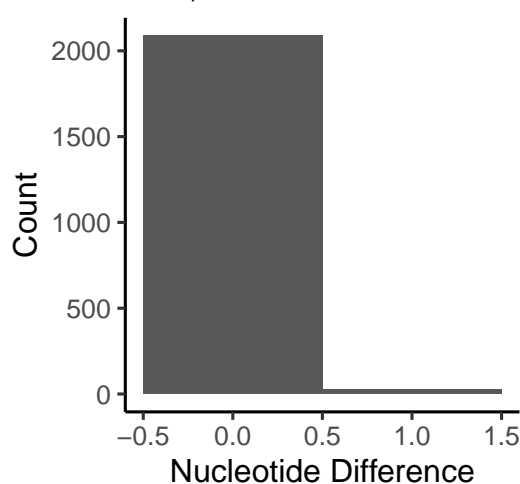
### TRBV7-8\*ap01

1935 sequences assigned  
1907 (98.6%) exact matches, in which:  
1861 unique CDR3  
13 unique J



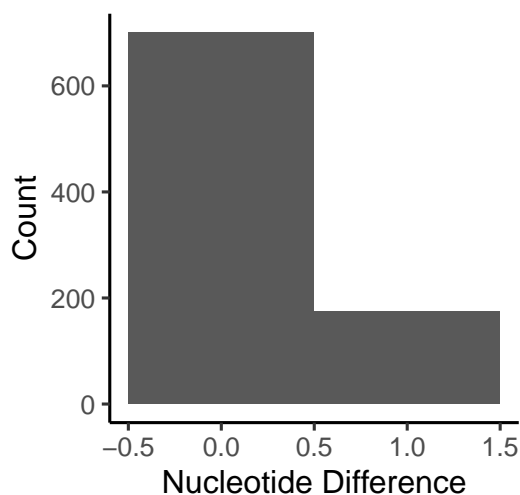
### TRBV29-1\*ap01

2112 sequences assigned  
2088 (98.9%) exact matches, in which:  
2043 unique CDR3  
13 unique J



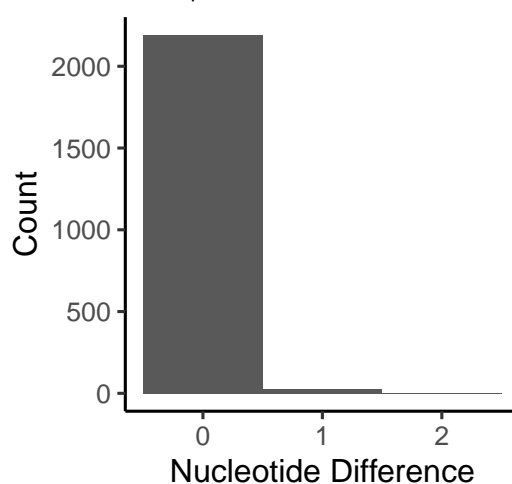
### TRBV7-8\*ap03

875 sequences assigned  
701 (80.1%) exact matches, in which:  
687 unique CDR3  
13 unique J

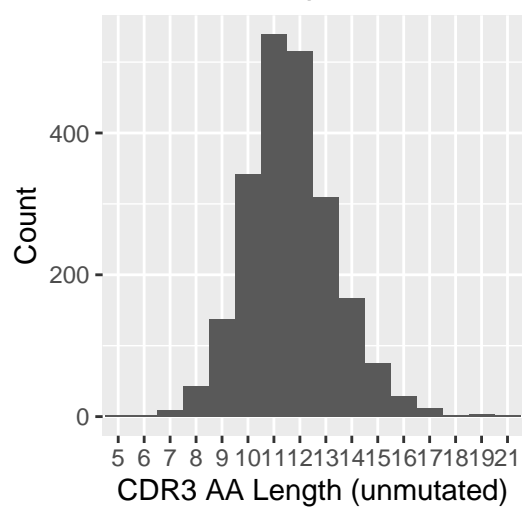


### TRBV29-1\*ap01\_C309G

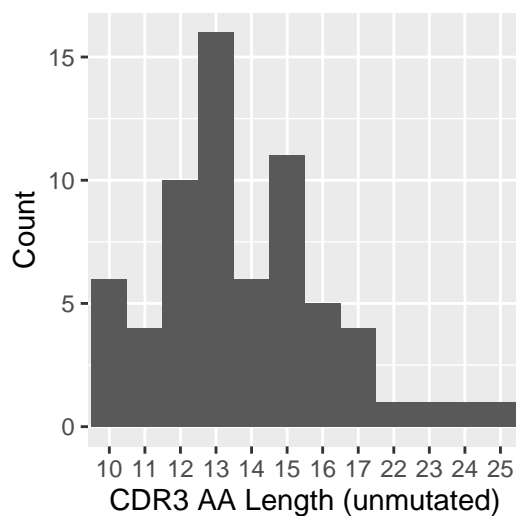
2220 sequences assigned  
2191 (98.7%) exact matches, in which:  
2148 unique CDR3  
13 unique J



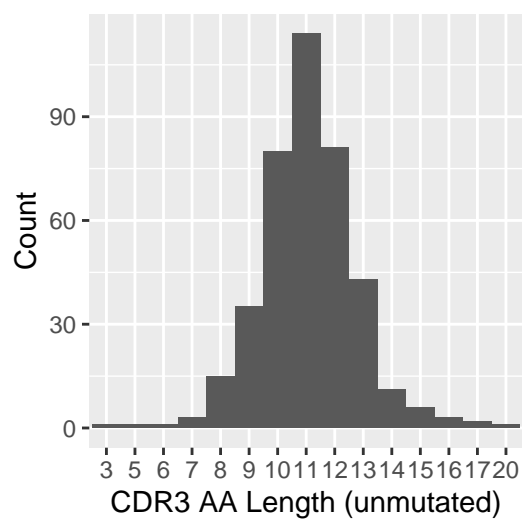
TRBV29-1\*ap01\_C309G



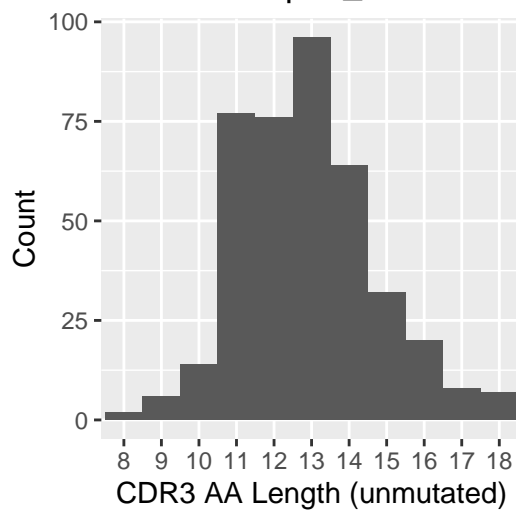
TRBV7-1\*ap01\_G291C\_T296C



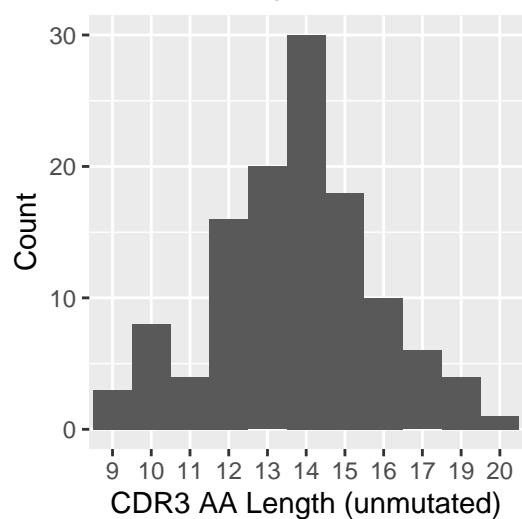
TRBV29-1\*ap02\_C309G



TRBV7-7\*ap01\_C315T



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





Warning – no inferred sequences found.