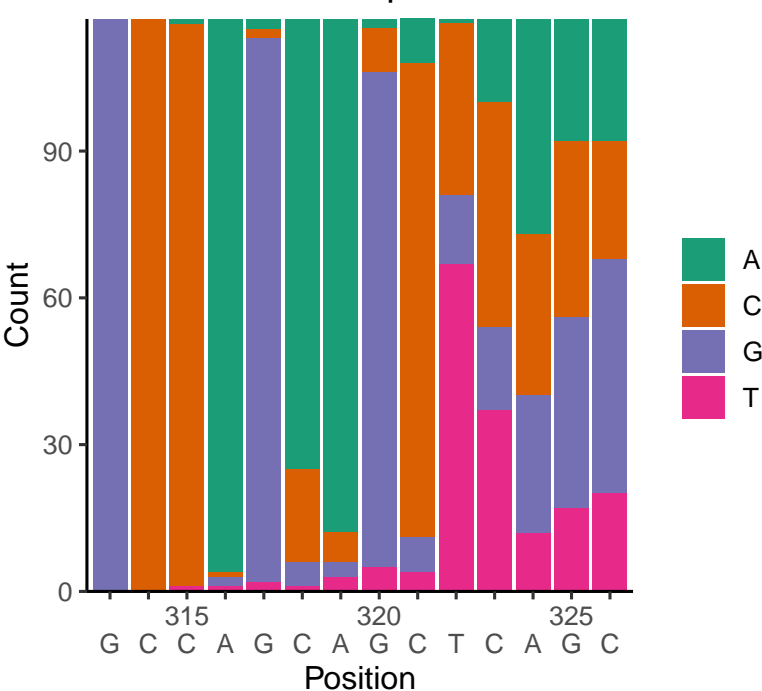
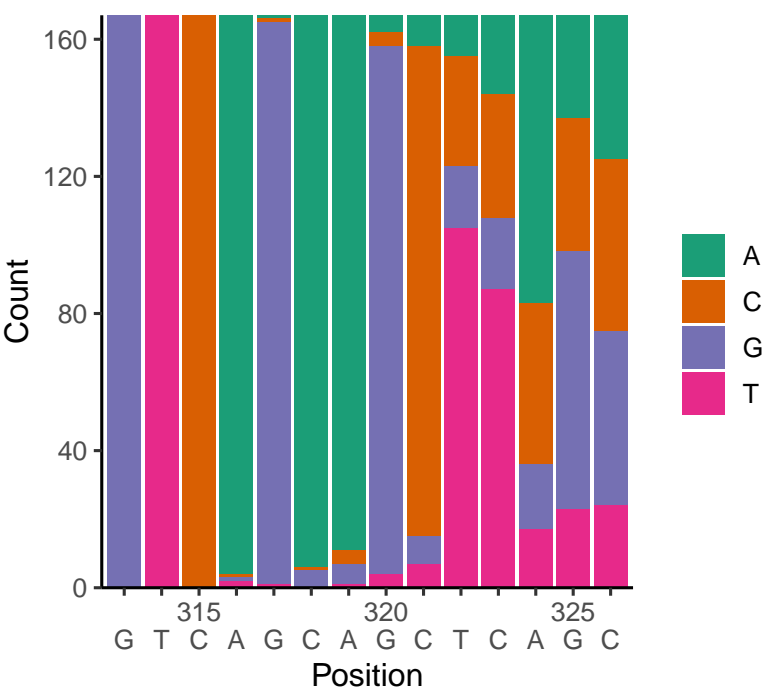


Gene TRBV7-1\*ap01\_G291C\_T296C



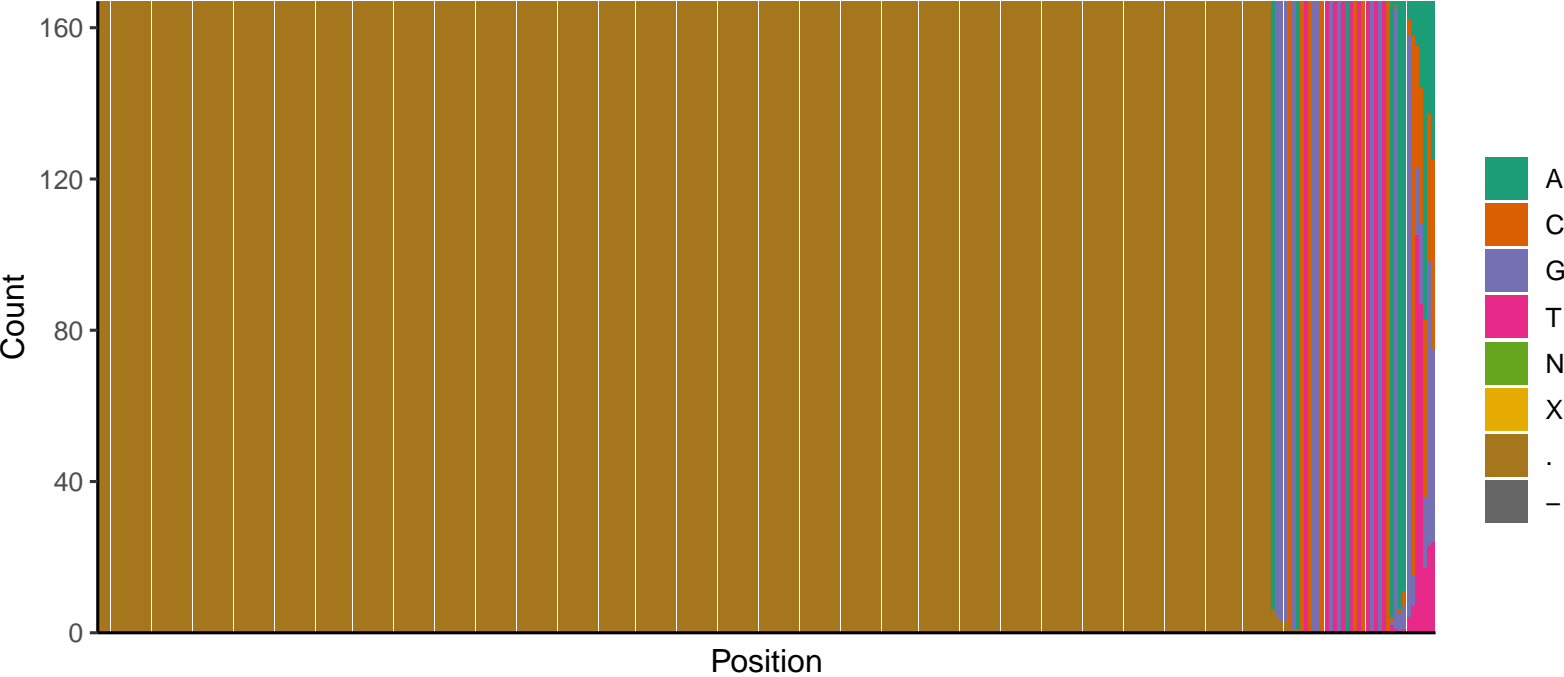
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



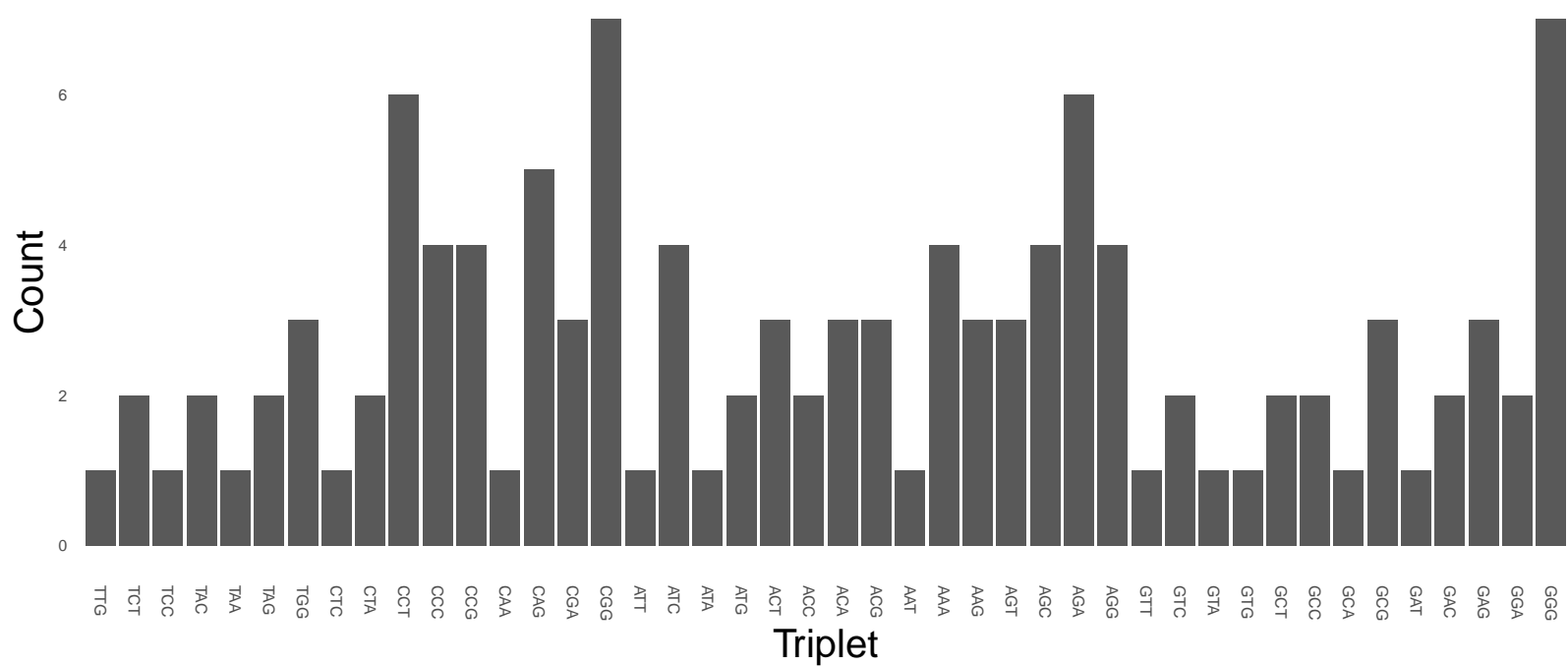
Gene TRBV7-1\*ap01\_G291C\_T296C



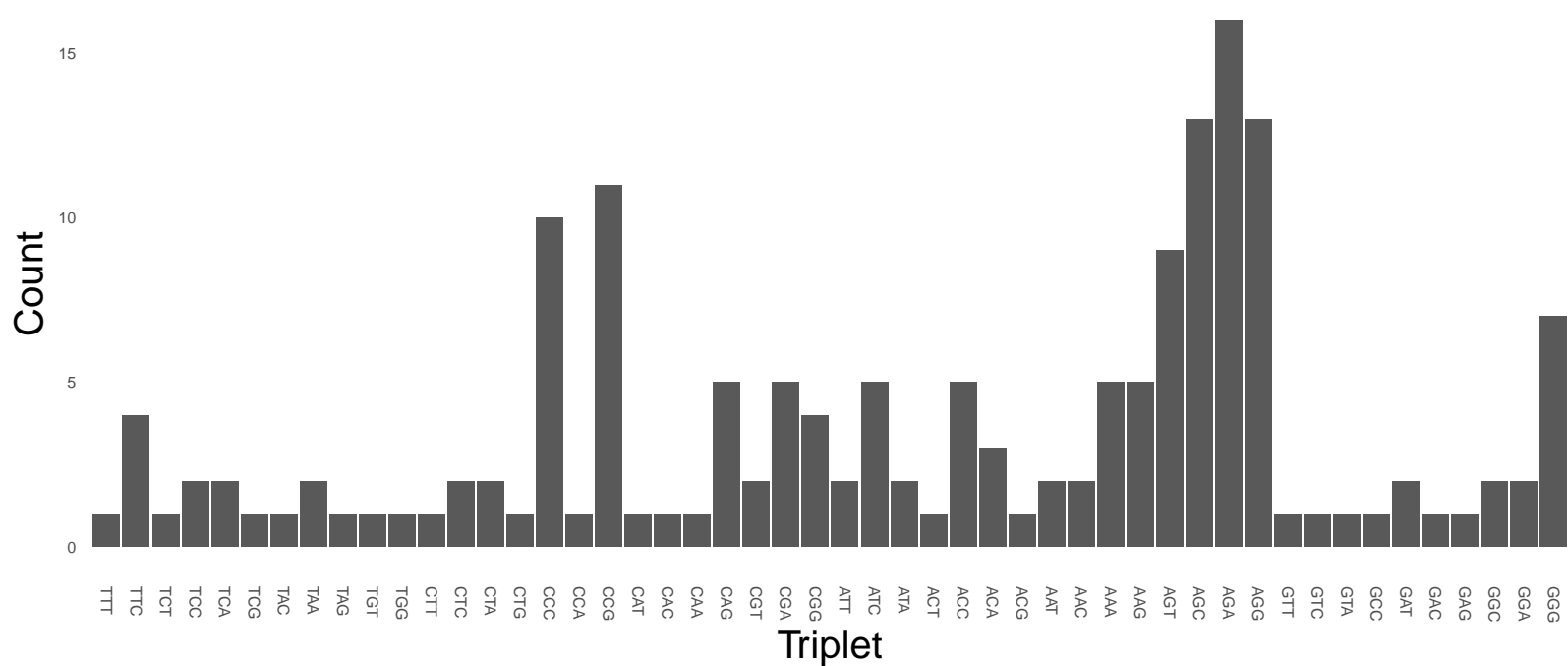
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

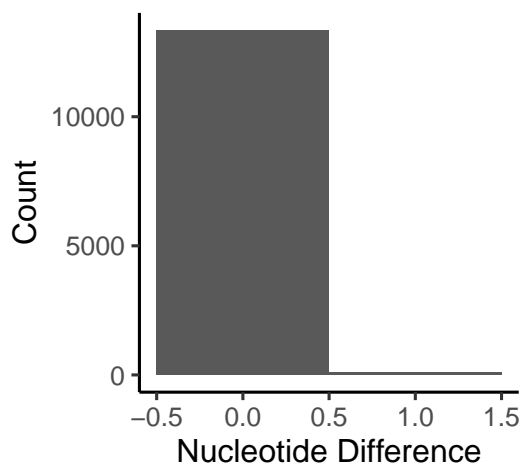


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



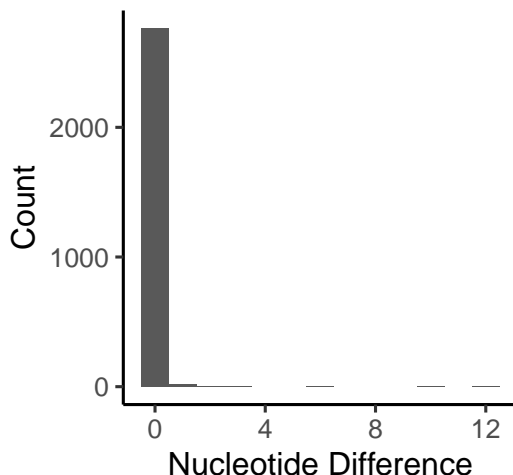
### TRBV20-1\*ap01

13461 sequences assigned  
13352 (99.2%) exact matches, in which:  
13221 unique CDR3  
13 unique J



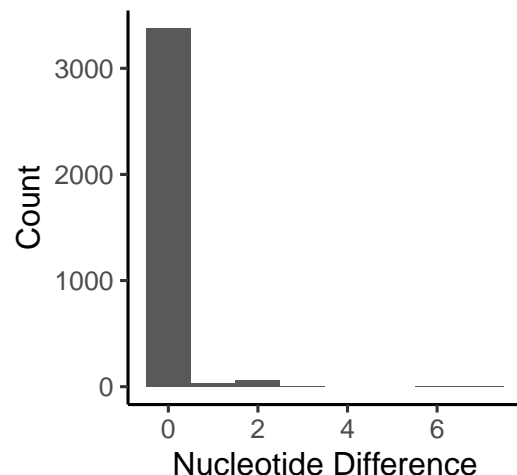
### TRBV10-2\*ap01

2791 sequences assigned  
2763 (99%) exact matches, in which:  
2734 unique CDR3  
13 unique J



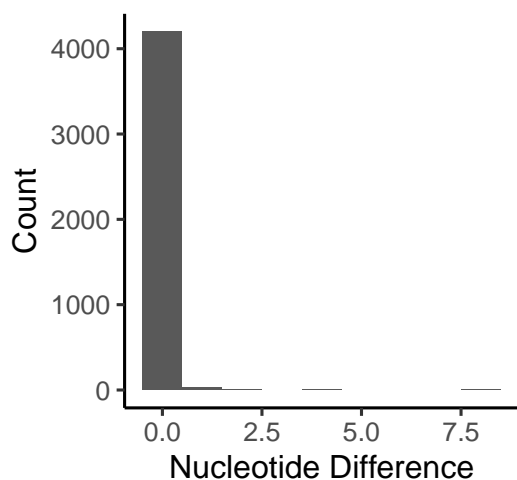
### TRBV13\*ap01

3469 sequences assigned  
3376 (97.3%) exact matches, in which:  
3308 unique CDR3  
13 unique J



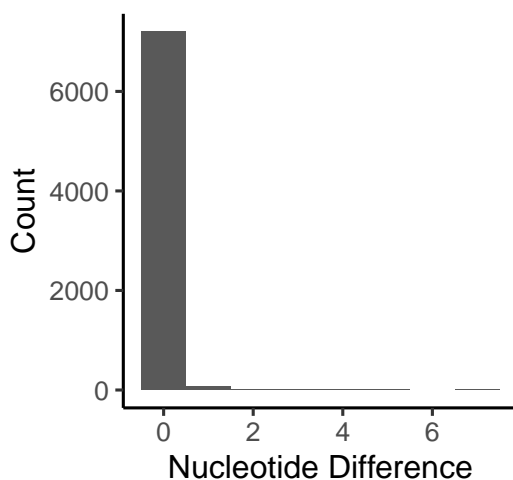
### TRBV10-1\*ap01

4232 sequences assigned  
4199 (99.2%) exact matches, in which:  
4142 unique CDR3  
13 unique J



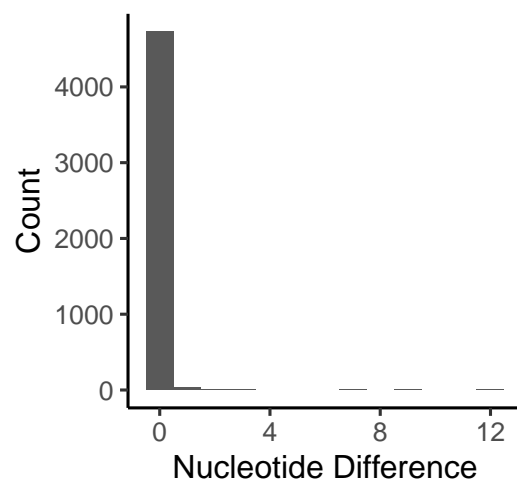
### TRBV10-3\*ap01

7272 sequences assigned  
7199 (99%) exact matches, in which:  
7118 unique CDR3  
13 unique J



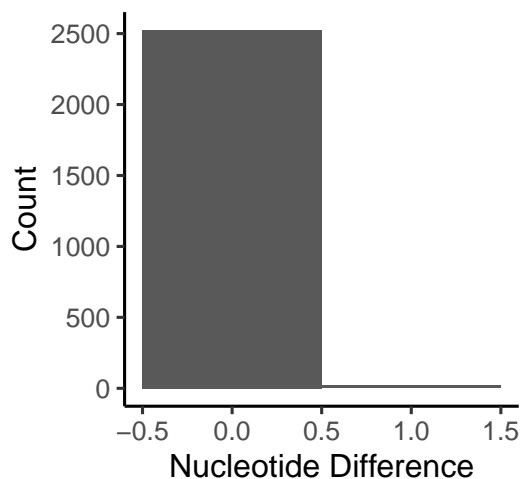
### TRBV14\*ap01

4764 sequences assigned  
4728 (99.2%) exact matches, in which:  
4689 unique CDR3  
13 unique J



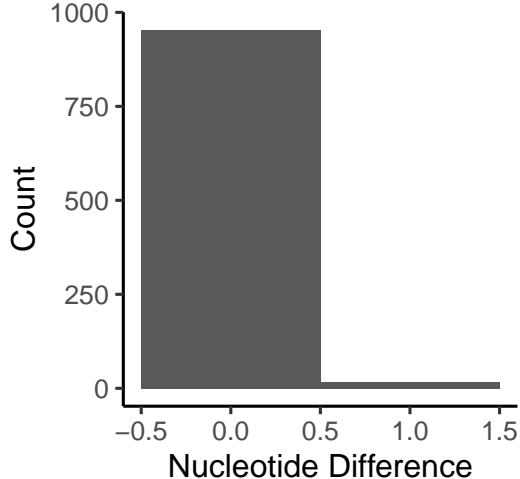
### TRBV20-1\*ap02

2546 sequences assigned  
2525 (99.2%) exact matches, in which:  
2494 unique CDR3  
13 unique J



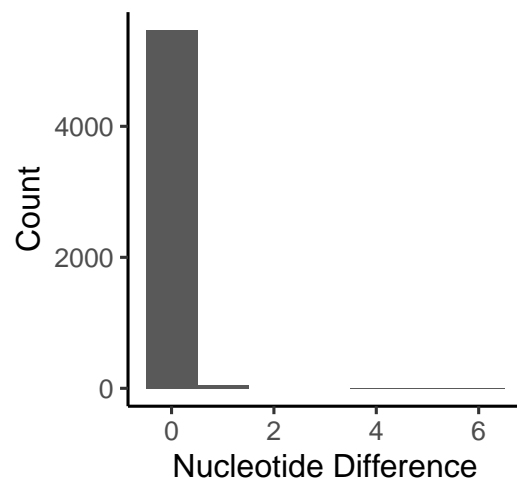
### TRBV1\*ap01

970 sequences assigned  
953 (98.2%) exact matches, in which:  
921 unique CDR3  
13 unique J



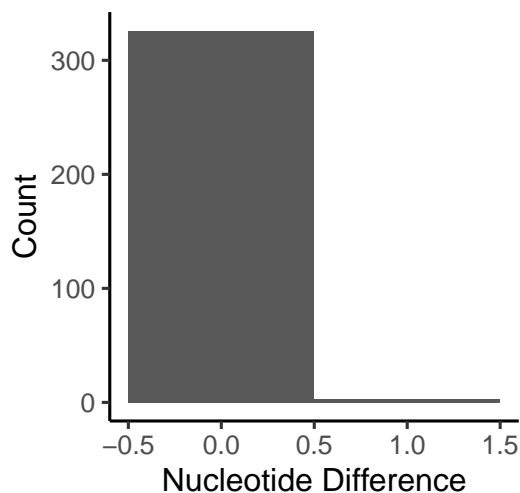
### TRBV15\*ap02

5525 sequences assigned  
5470 (99%) exact matches, in which:  
5383 unique CDR3  
13 unique J



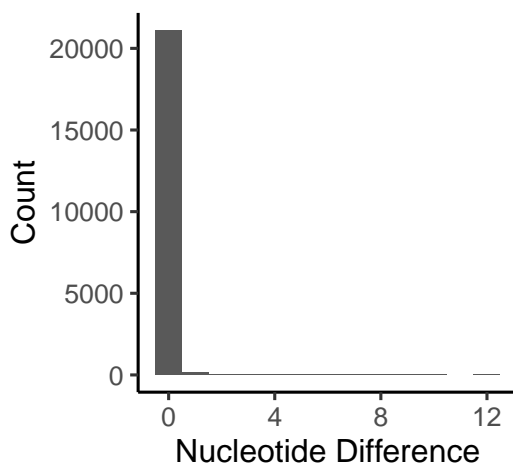
### TRBV16\*ap01

329 sequences assigned  
326 (99.1%) exact matches, in which:  
321 unique CDR3  
13 unique J



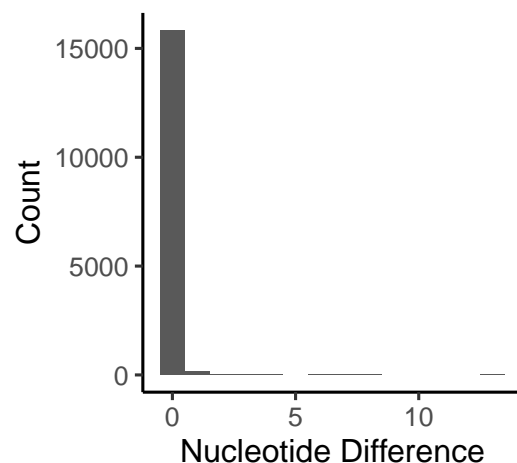
### TRBV19\*ap01

21312 sequences assigned  
21115 (99.1%) exact matches, in which:  
20980 unique CDR3  
13 unique J



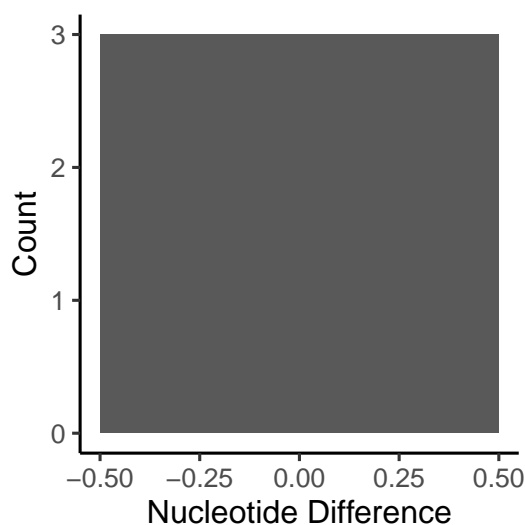
### TRBV27\*ap01

16013 sequences assigned  
15838 (98.9%) exact matches, in which:  
15612 unique CDR3  
13 unique J



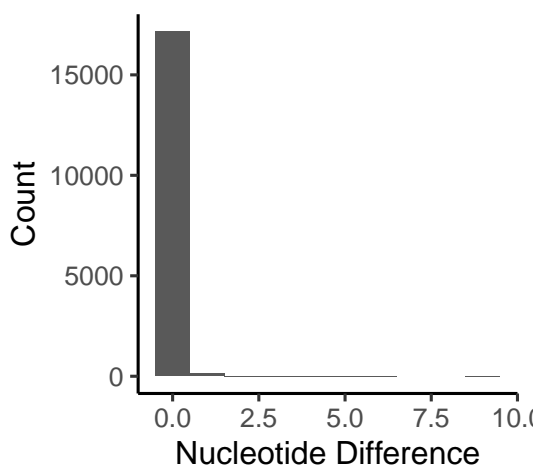
### TRBV17\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
3 unique J



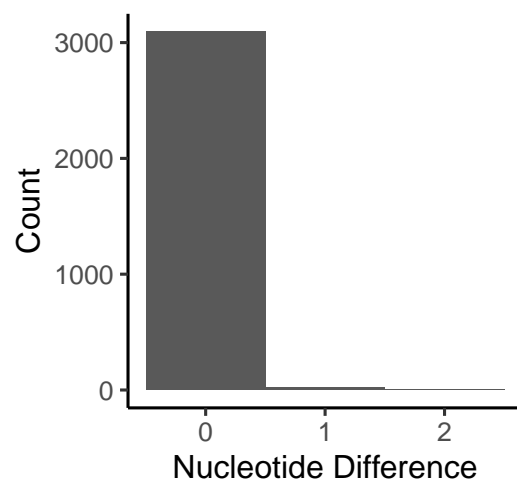
### TRBV2\*ap01

17315 sequences assigned  
17160 (99.1%) exact matches, in which:  
16933 unique CDR3  
13 unique J



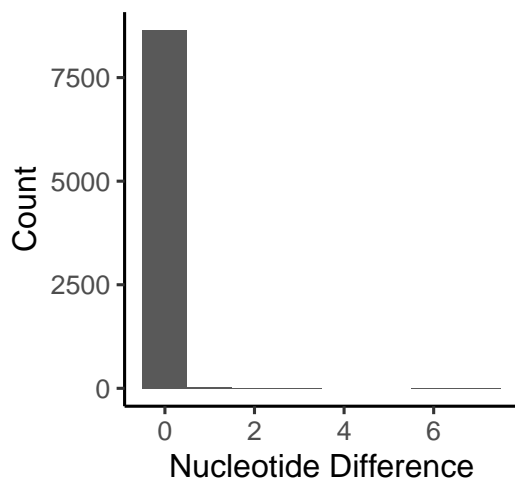
### TRBV28\*ap01

3118 sequences assigned  
3094 (99.2%) exact matches, in which:  
3064 unique CDR3  
13 unique J



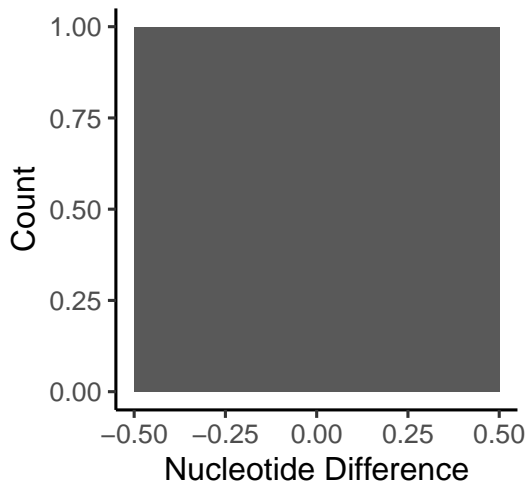
### TRBV18\*ap01

8687 sequences assigned  
8648 (99.6%) exact matches, in which:  
8581 unique CDR3  
13 unique J



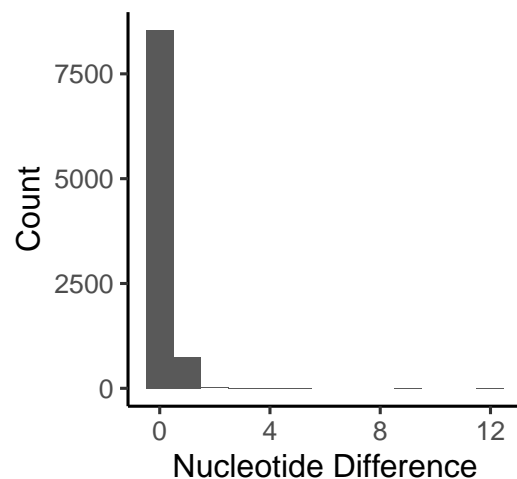
### TRBV26\*ap01

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



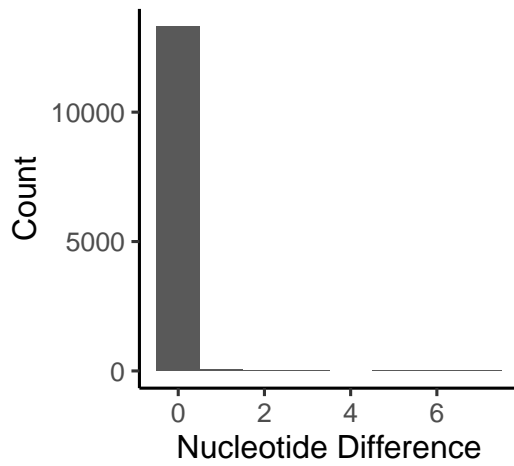
### TRBV30\*ap01

9329 sequences assigned  
8544 (91.6%) exact matches, in which:  
8338 unique CDR3  
13 unique J



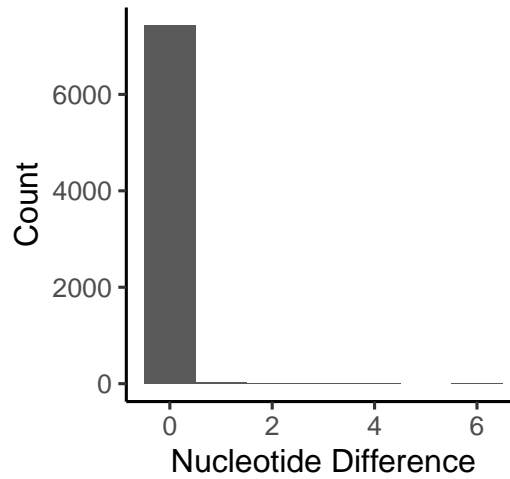
### TRBV9\*ap01

13409 sequences assigned  
13324 (99.4%) exact matches, in which:  
13208 unique CDR3  
13 unique J



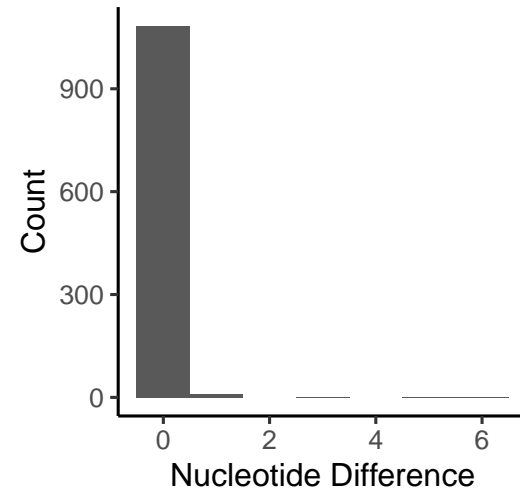
### TRBV11-2\*ap01

7474 sequences assigned  
7431 (99.4%) exact matches, in which:  
7395 unique CDR3  
13 unique J



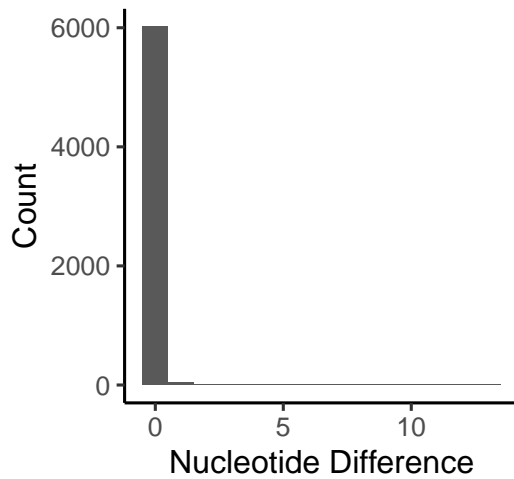
### TRBV12-2\*ap01

1098 sequences assigned  
1084 (98.7%) exact matches, in which:  
1073 unique CDR3  
13 unique J



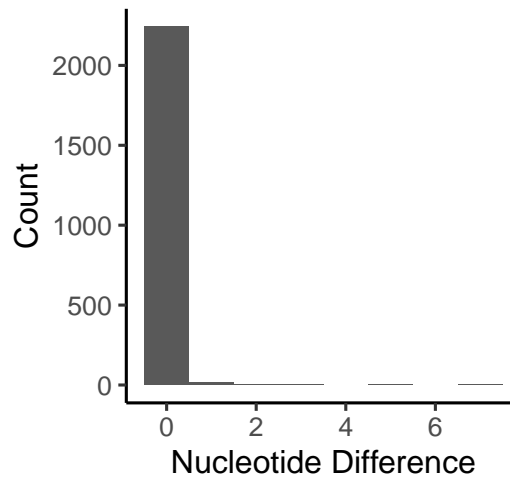
### TRBV21-1\*ap01

6111 sequences assigned  
6017 (98.5%) exact matches, in which:  
5981 unique CDR3  
13 unique J



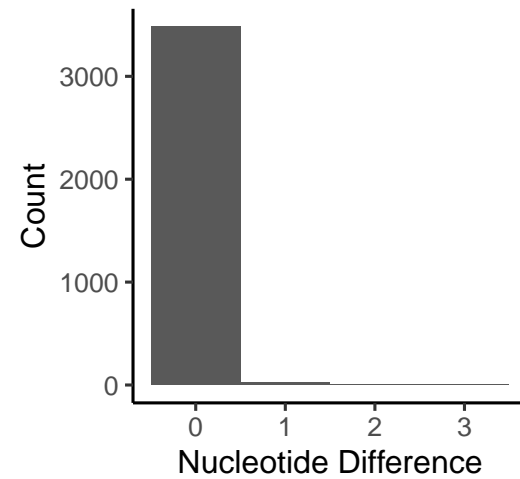
### TRBV11-3\*ap01

2261 sequences assigned  
2242 (99.2%) exact matches, in which:  
2233 unique CDR3  
13 unique J



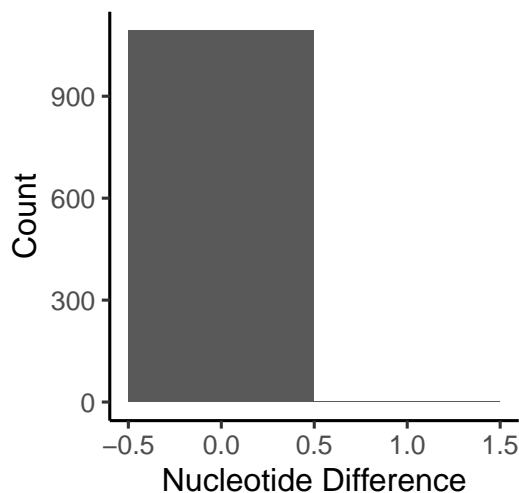
### TRBV12-5\*ap01

3513 sequences assigned  
3482 (99.1%) exact matches, in which:  
3445 unique CDR3  
13 unique J



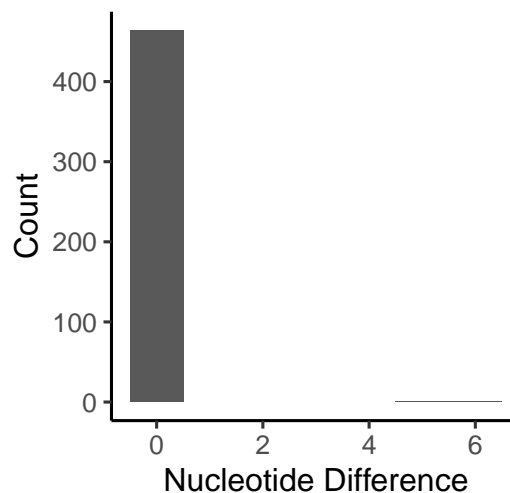
### TRBV11-1\*ap01

1096 sequences assigned  
1094 (99.8%) exact matches, in which:  
1088 unique CDR3  
13 unique J



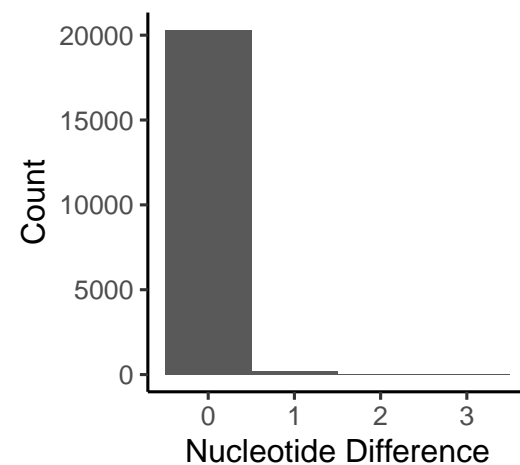
### TRBV12-1\*ap01

466 sequences assigned  
464 (99.6%) exact matches, in which:  
459 unique CDR3  
13 unique J



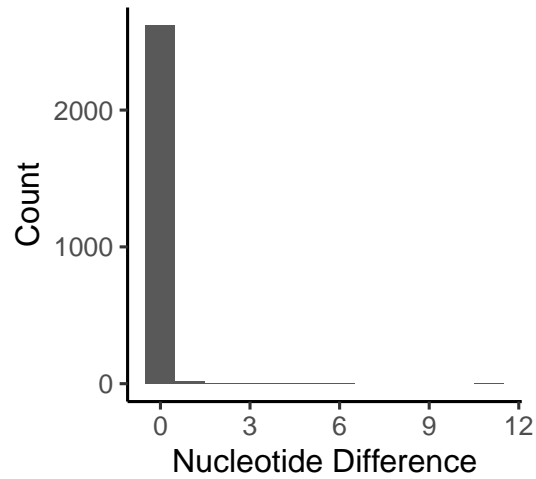
### TRBV12-34\*ap01

20505 sequences assigned  
20317 (99.1%) exact matches, in which:  
20069 unique CDR3  
13 unique J



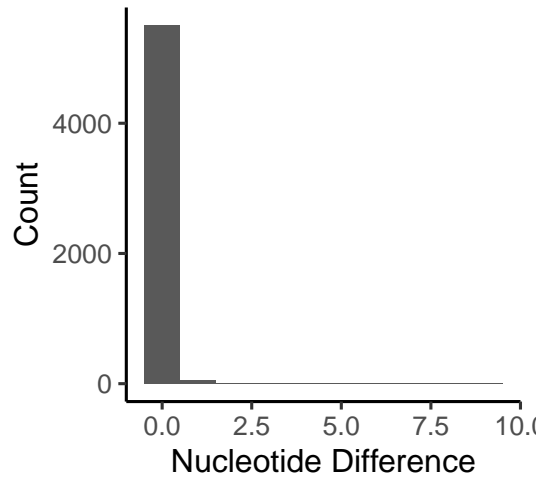
### TRBV23-1\*ap01

2651 sequences assigned  
2619 (98.8%) exact matches, in which:  
2593 unique CDR3  
13 unique J



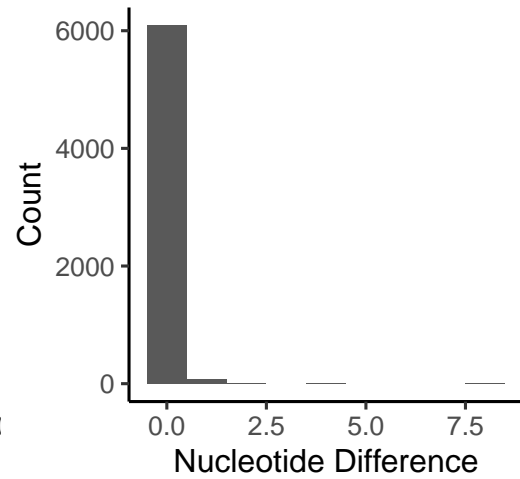
### TRBV24-1\*ap01

5576 sequences assigned  
5503 (98.7%) exact matches, in which:  
5411 unique CDR3  
13 unique J



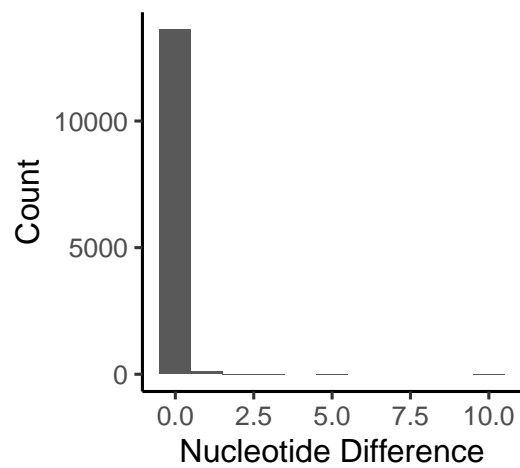
### TRBV25-1\*ap01

6177 sequences assigned  
6090 (98.6%) exact matches, in which:  
5969 unique CDR3  
13 unique J



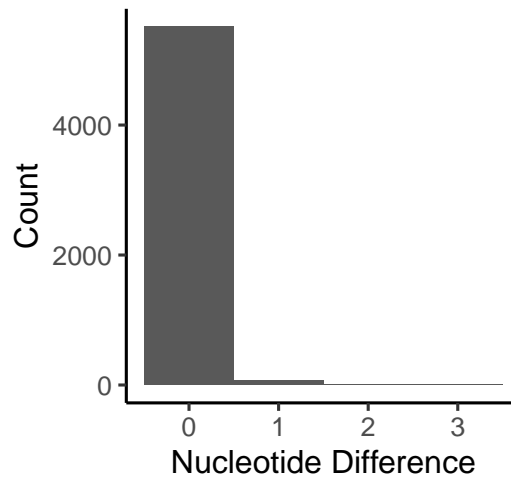
### TRBV3-12\*ap01

13721 sequences assigned  
13616 (99.2%) exact matches, in which:  
13527 unique CDR3  
13 unique J



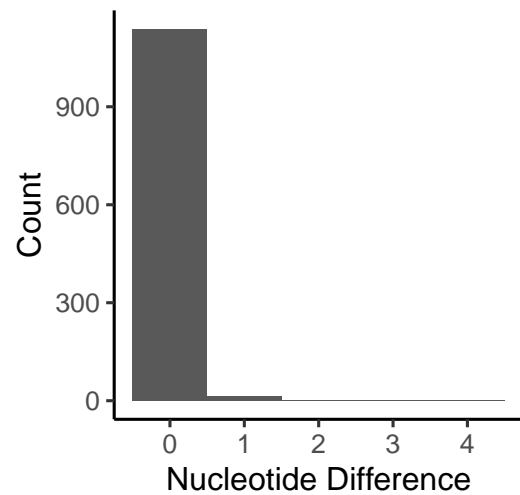
### TRBV4-2\*ap01

5580 sequences assigned  
5513 (98.8%) exact matches, in which:  
5427 unique CDR3  
13 unique J



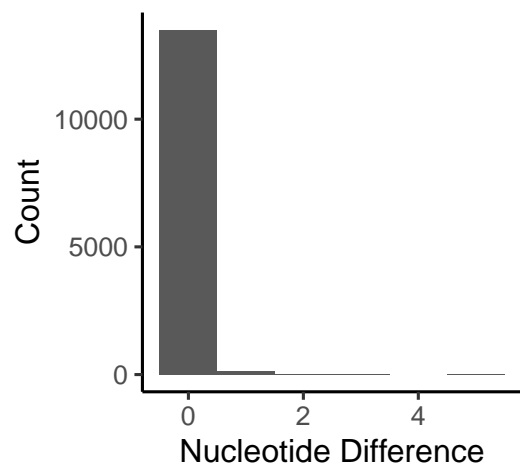
### TRBV5-3\*ap01

1158 sequences assigned  
1138 (98.3%) exact matches, in which:  
1121 unique CDR3  
13 unique J



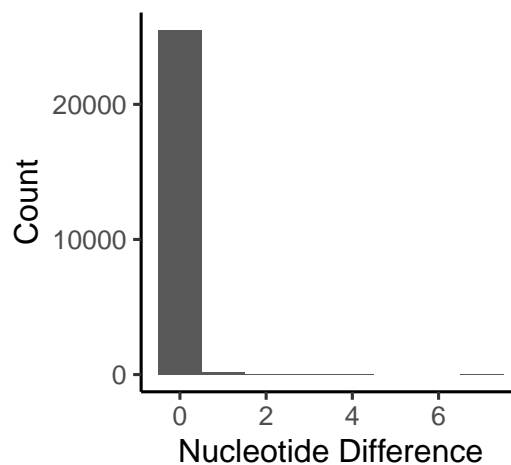
### TRBV4-1\*ap01

13639 sequences assigned  
13500 (99%) exact matches, in which:  
13245 unique CDR3  
13 unique J



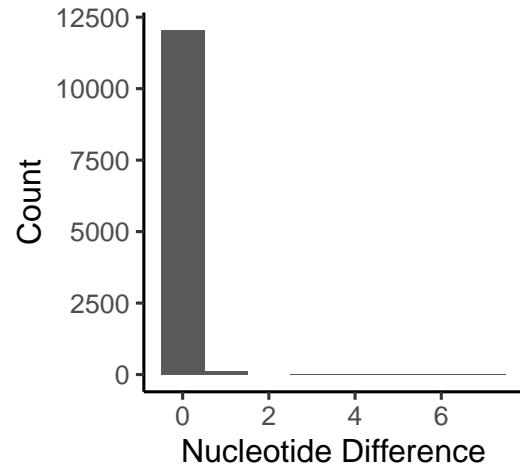
### TRBV5-1\*ap01

25735 sequences assigned  
25519 (99.2%) exact matches, in which:  
25141 unique CDR3  
14 unique J



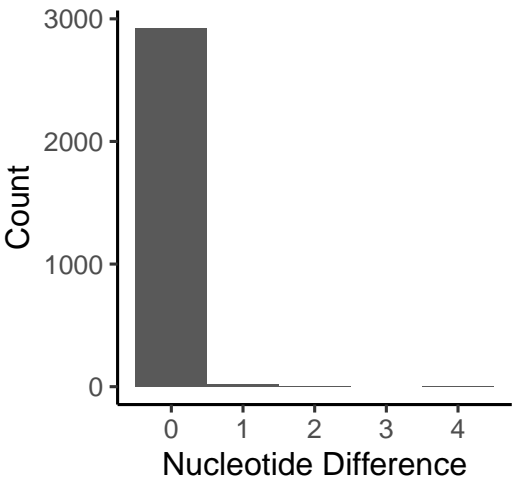
### TRBV5-4\*ap01

12180 sequences assigned  
12059 (99%) exact matches, in which:  
11859 unique CDR3  
13 unique J



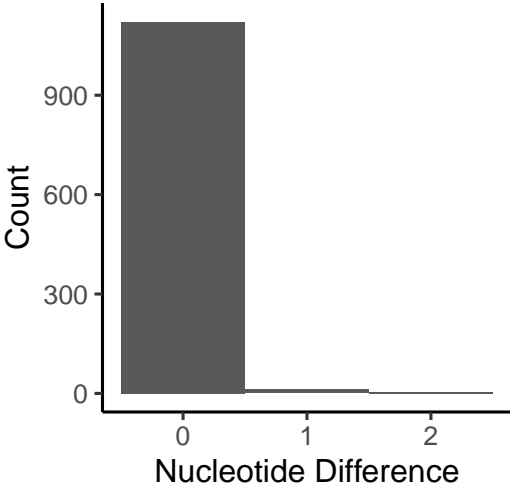
TRBV5-5\*ap01

2941 sequences assigned  
2922 (99.4%) exact matches, in which:  
2914 unique CDR3  
13 unique J



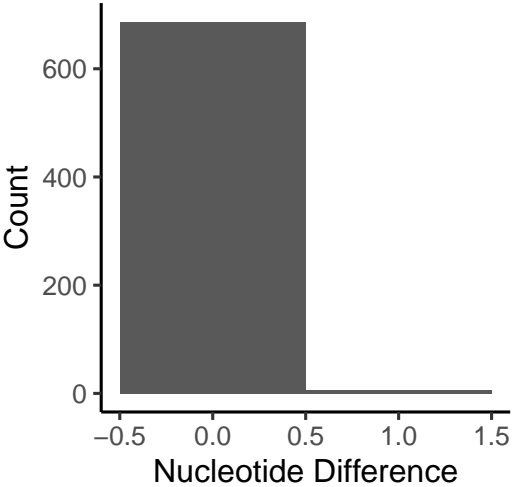
TRBV5-8\*ap01

1138 sequences assigned  
1122 (98.6%) exact matches, in which:  
1110 unique CDR3  
13 unique J



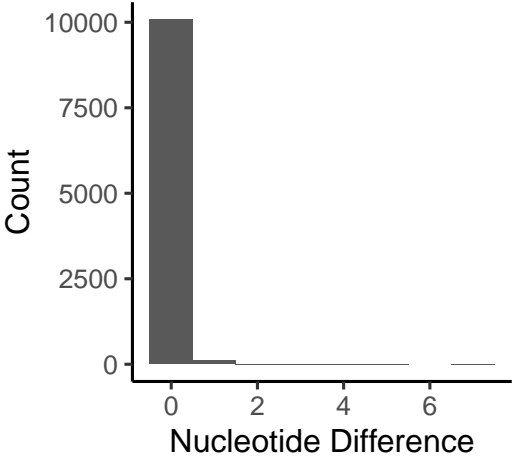
TRBV6-7\*ap01

693 sequences assigned  
687 (99.1%) exact matches, in which:  
672 unique CDR3  
13 unique J



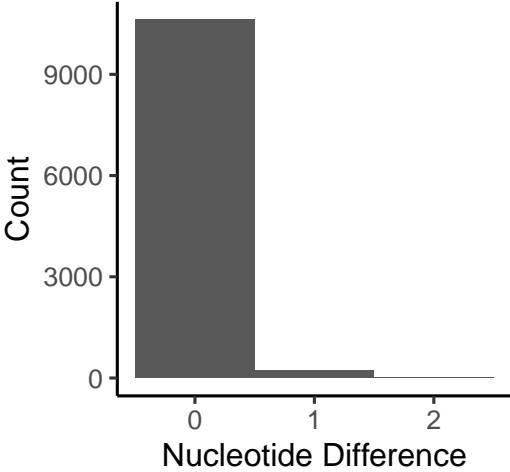
TRBV5-6\*ap01

10205 sequences assigned  
10082 (98.8%) exact matches, in which:  
9805 unique CDR3  
13 unique J



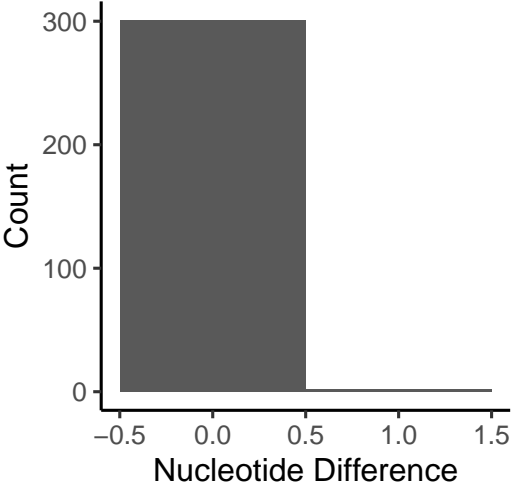
TRBV6-1\*ap01

10836 sequences assigned  
10619 (98%) exact matches, in which:  
10446 unique CDR3  
13 unique J



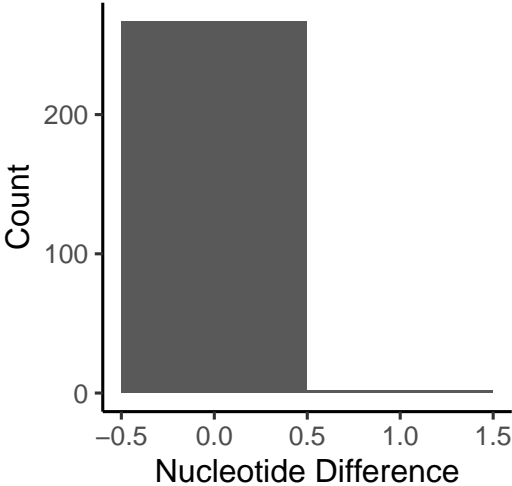
TRBV6-8\*ap01

303 sequences assigned  
301 (99.3%) exact matches, in which:  
294 unique CDR3  
13 unique J



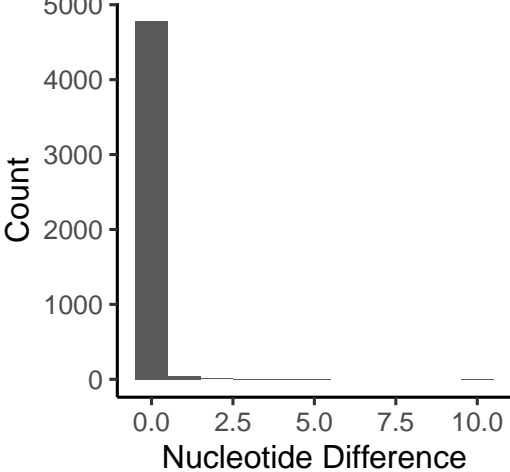
TRBV5-7\*ap01

269 sequences assigned  
267 (99.3%) exact matches, in which:  
258 unique CDR3  
13 unique J



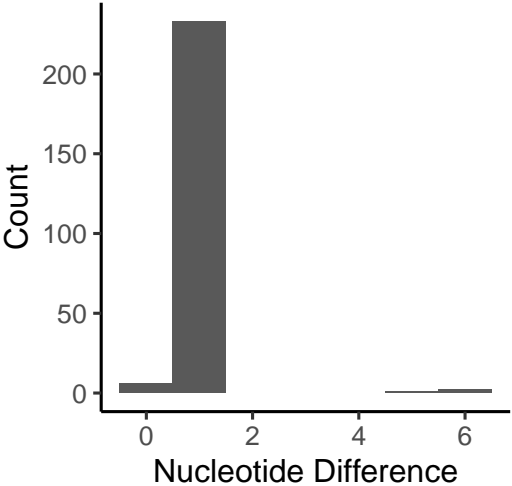
TRBV6-4\*ap01

4839 sequences assigned  
4782 (98.8%) exact matches, in which:  
4741 unique CDR3  
13 unique J



TRBV6-9\*ap01

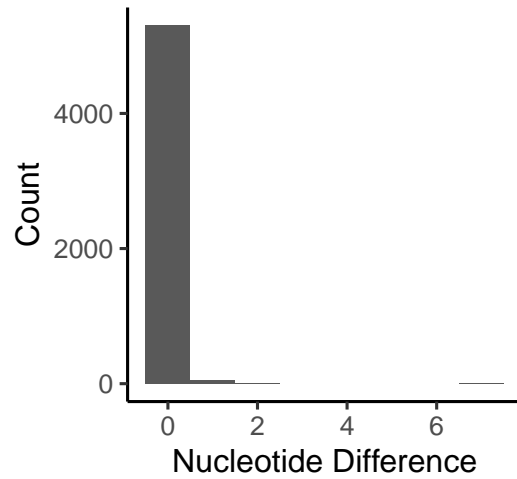
242 sequences assigned  
6 (2.5%) exact matches, in which:  
6 unique CDR3  
3 unique J





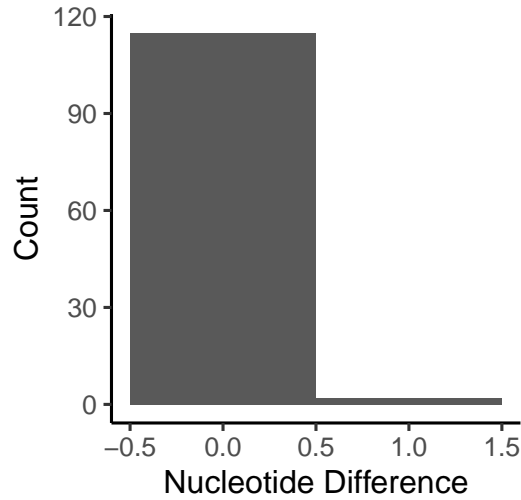
### TRBV6-23\*ap01

5357 sequences assigned  
5303 (99%) exact matches, in which:  
5196 unique CDR3  
13 unique J



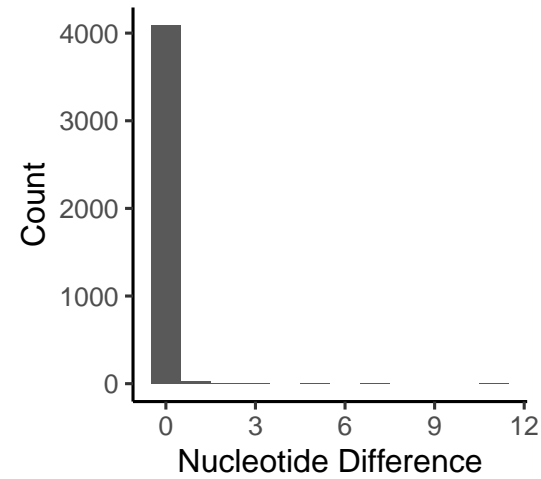
### TRBV7-1\*ap01\_G291C\_

117 sequences assigned  
115 (98.3%) exact matches, in which:  
113 unique CDR3  
12 unique J



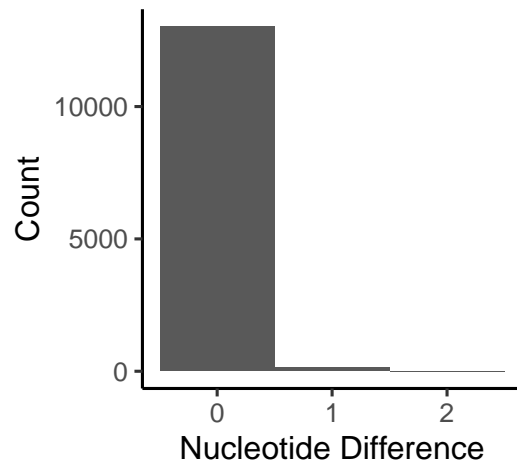
### TRBV7-3\*ap01

4124 sequences assigned  
4088 (99.1%) exact matches, in which:  
4048 unique CDR3  
13 unique J



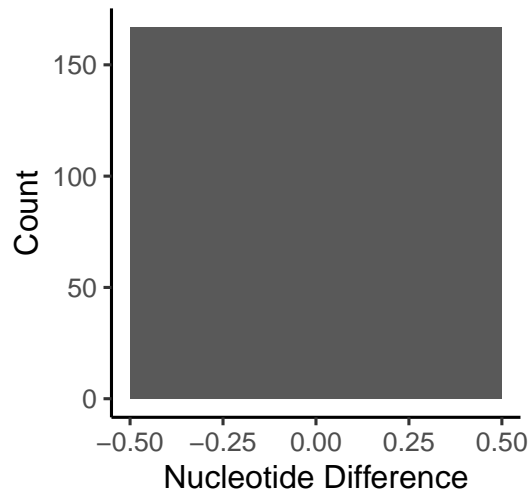
### TRBV6-56\*ap01

13169 sequences assigned  
13025 (98.9%) exact matches, in which:  
12770 unique CDR3  
13 unique J



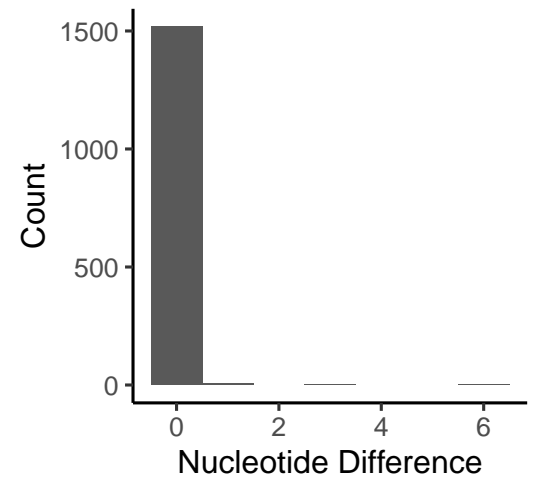
### TRBV7-1\*ap01\_G291C\_

167 sequences assigned  
167 (100%) exact matches, in which:  
165 unique CDR3  
13 unique J



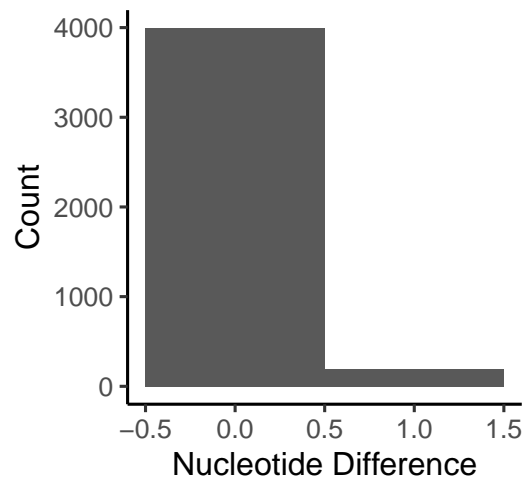
### TRBV7-3\*ap03

1529 sequences assigned  
1518 (99.3%) exact matches, in which:  
1497 unique CDR3  
13 unique J



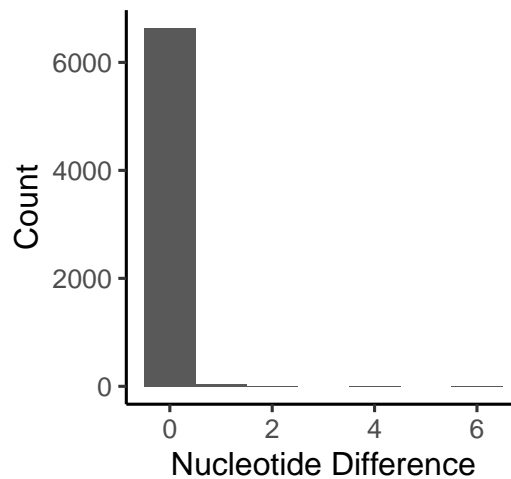
### TRBV6-56\*ap02

4191 sequences assigned  
3995 (95.3%) exact matches, in which:  
3908 unique CDR3  
13 unique J



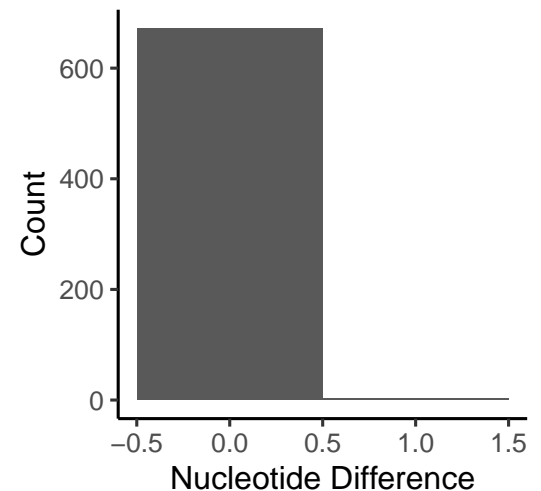
### TRBV7-2\*ap01

6681 sequences assigned  
6636 (99.3%) exact matches, in which:  
6560 unique CDR3  
13 unique J



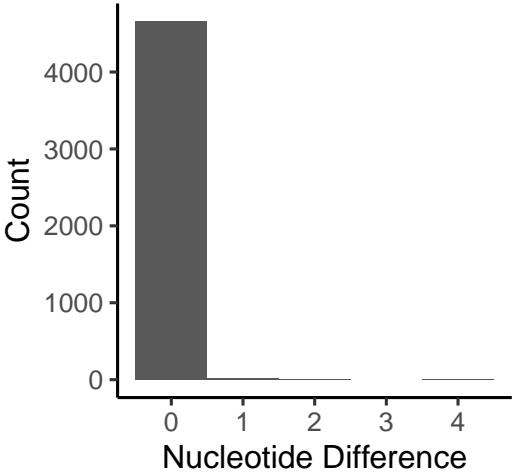
### TRBV7-4\*ap01

675 sequences assigned  
672 (99.6%) exact matches, in which:  
659 unique CDR3  
13 unique J



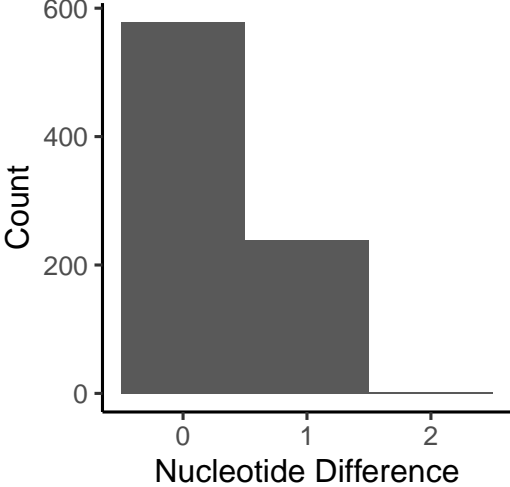
TRBV7-6\*ap01

4684 sequences assigned  
4658 (99.4%) exact matches, in which:  
4593 unique CDR3  
13 unique J



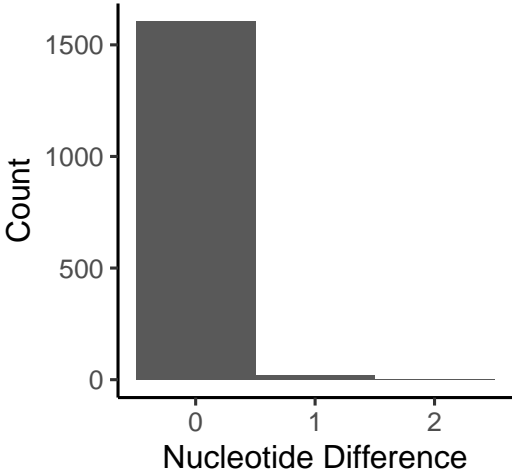
TRBV7-8\*ap03

820 sequences assigned  
579 (70.6%) exact matches, in which:  
573 unique CDR3  
13 unique J



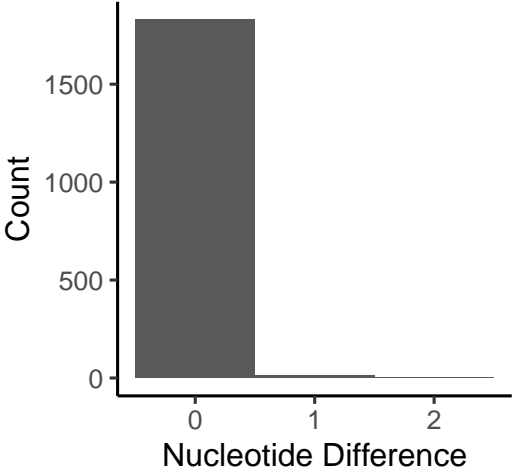
TRBV29-1\*ap02

1626 sequences assigned  
1605 (98.7%) exact matches, in which:  
1574 unique CDR3  
13 unique J



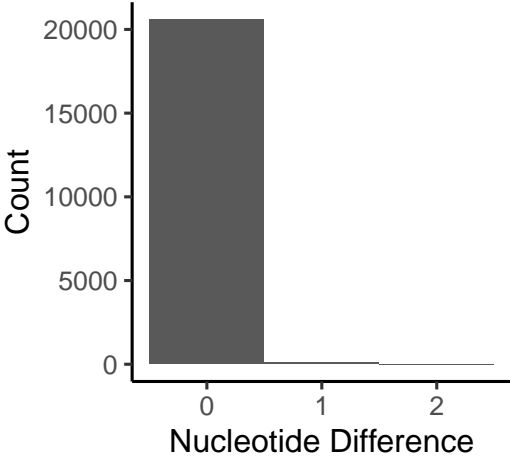
TRBV7-7\*ap01

1843 sequences assigned  
1829 (99.2%) exact matches, in which:  
1813 unique CDR3  
13 unique J



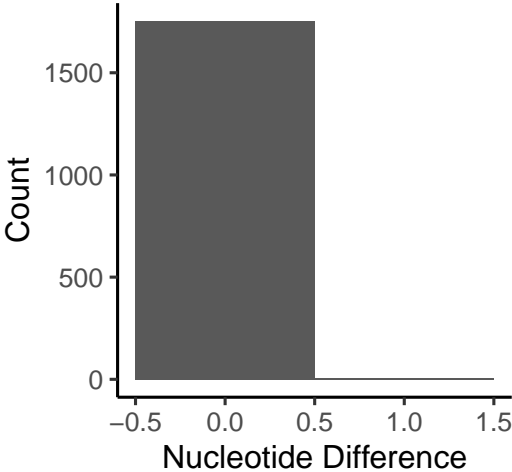
TRBV7-9\*ap01

20711 sequences assigned  
20594 (99.4%) exact matches, in which:  
20380 unique CDR3  
13 unique J



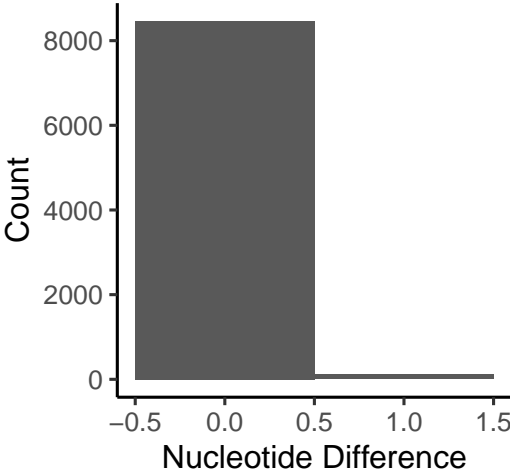
TRBV7-8\*ap01

1761 sequences assigned  
1753 (99.5%) exact matches, in which:  
1728 unique CDR3  
13 unique J

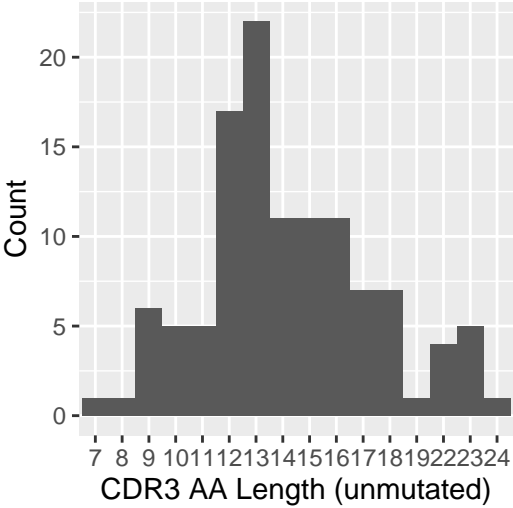


TRBV29-1\*ap01

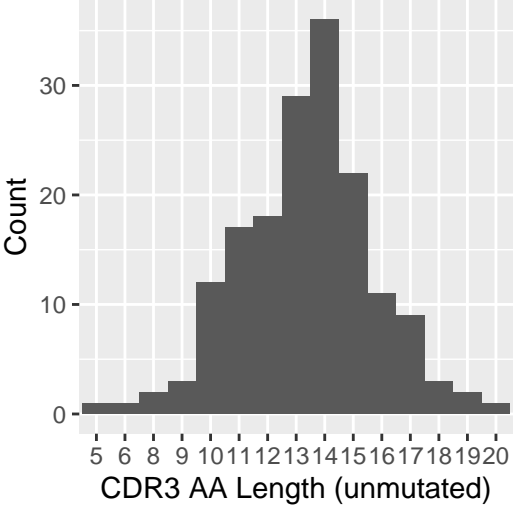
8580 sequences assigned  
8463 (98.6%) exact matches, in which:  
8273 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



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





[illegible]