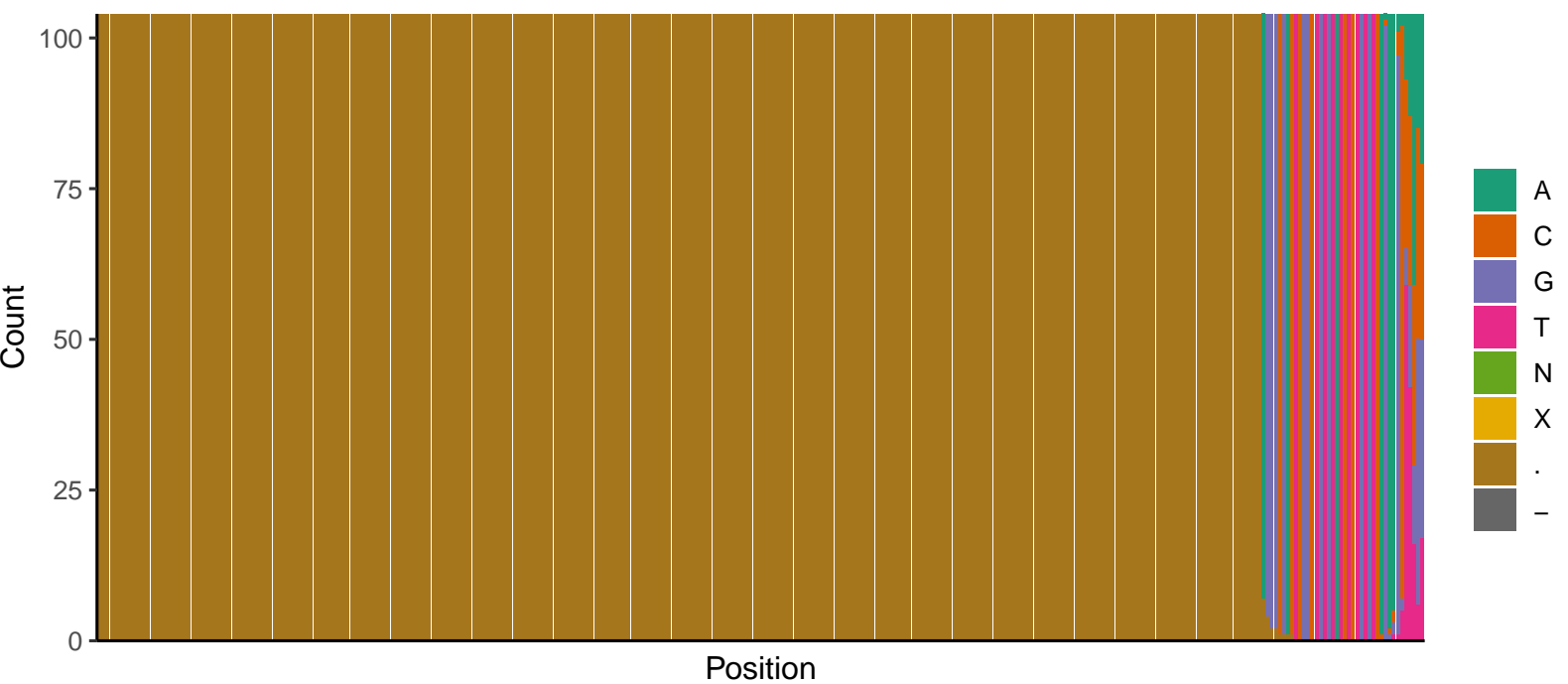
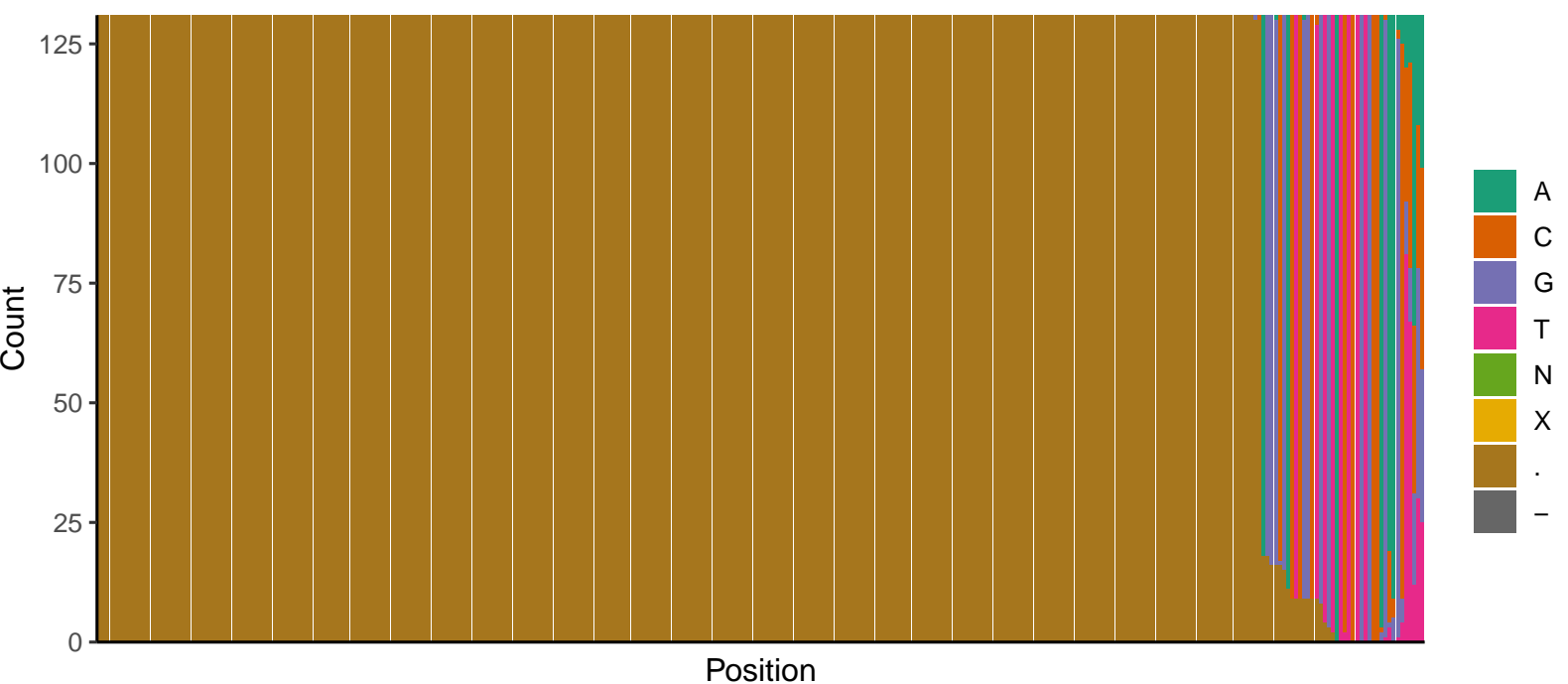




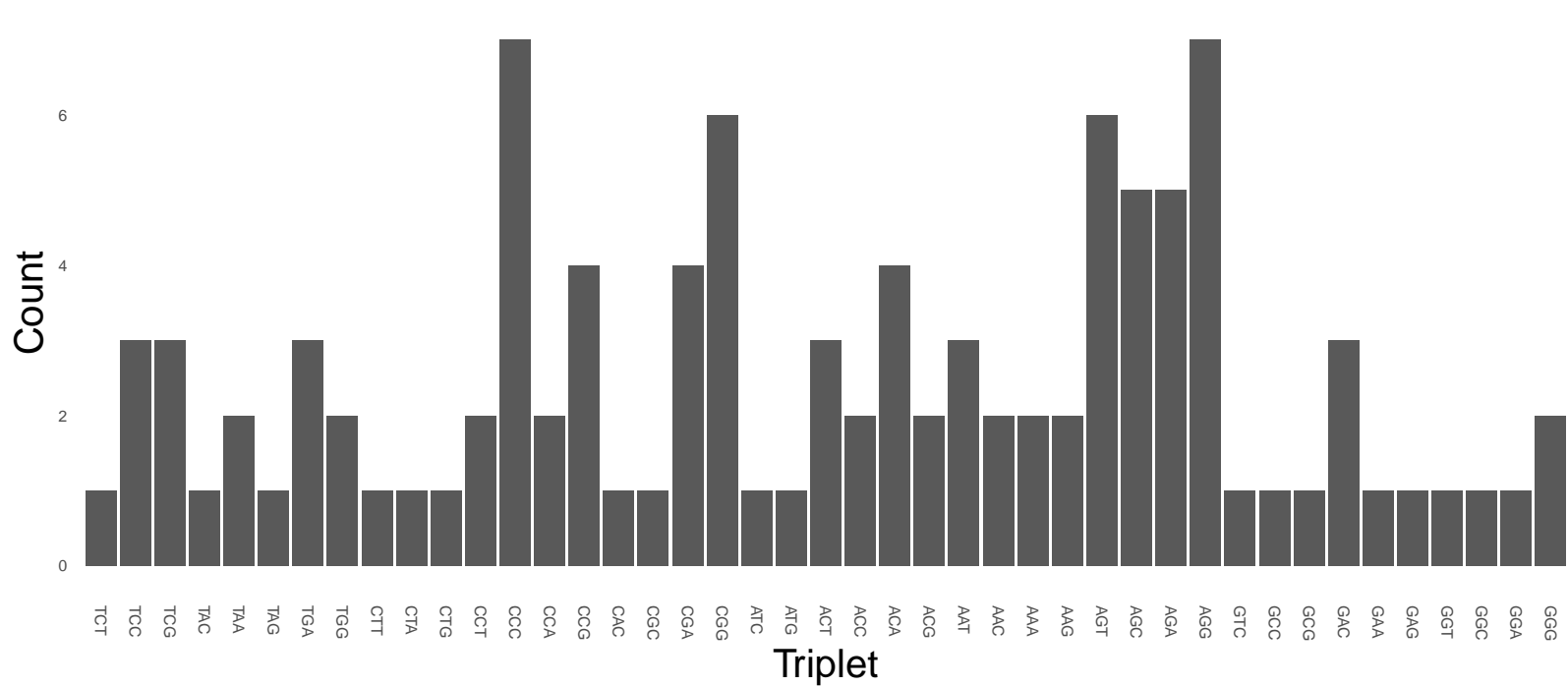
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



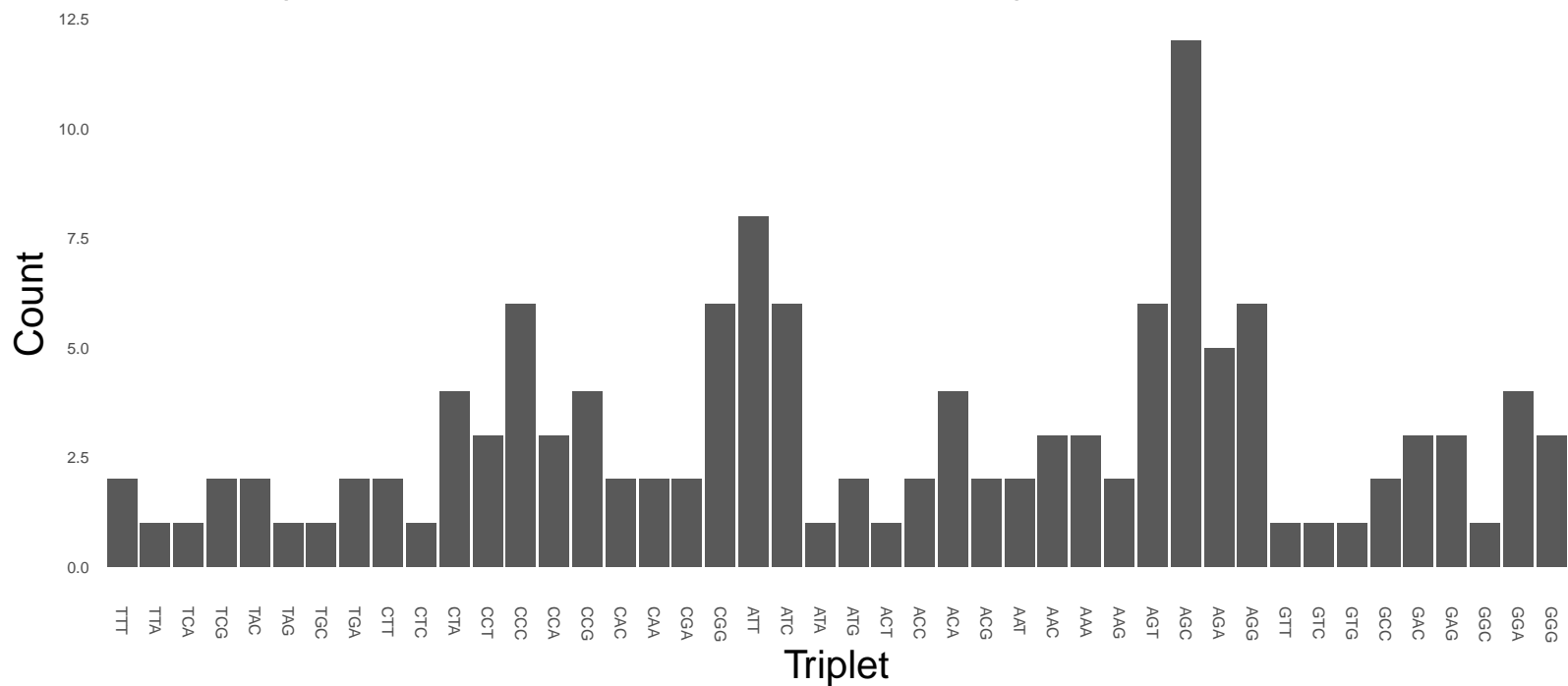
Gene TRBV7-1\*ap01\_G291C\_T296C



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

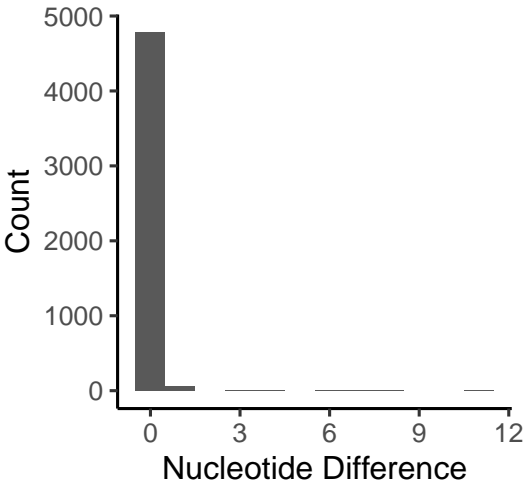


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



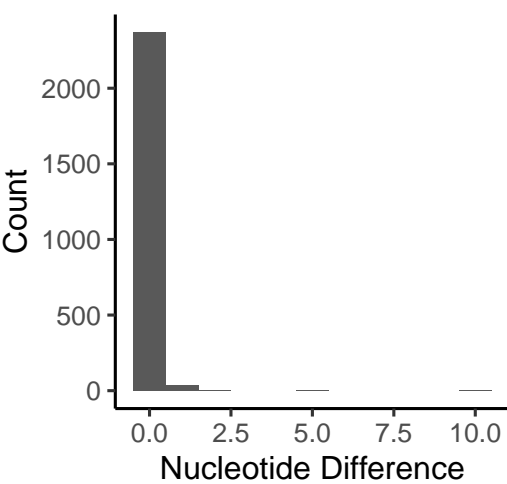
TRBV10-1\*ap01

4856 sequences assigned  
4781 (98.5%) exact matches, in which:  
4653 unique CDR3  
13 unique J



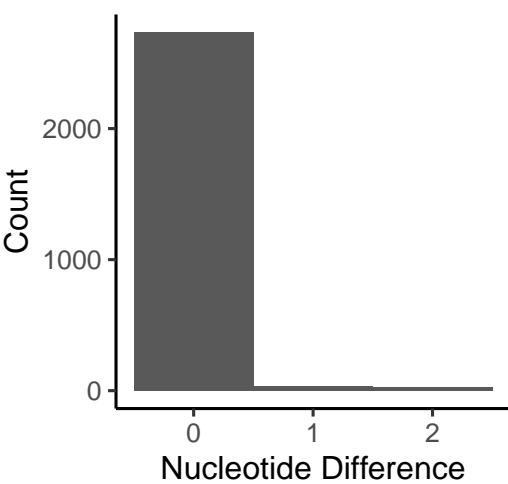
TRBV10-2\*ap01

2411 sequences assigned  
2369 (98.3%) exact matches, in which:  
2303 unique CDR3  
13 unique J



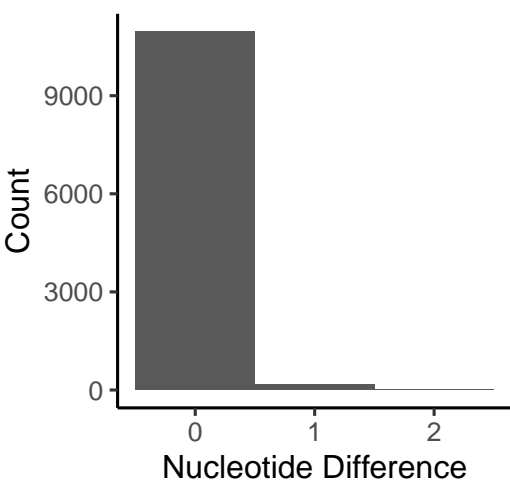
TRBV13\*ap01

2792 sequences assigned  
2734 (97.9%) exact matches, in which:  
2631 unique CDR3  
13 unique J



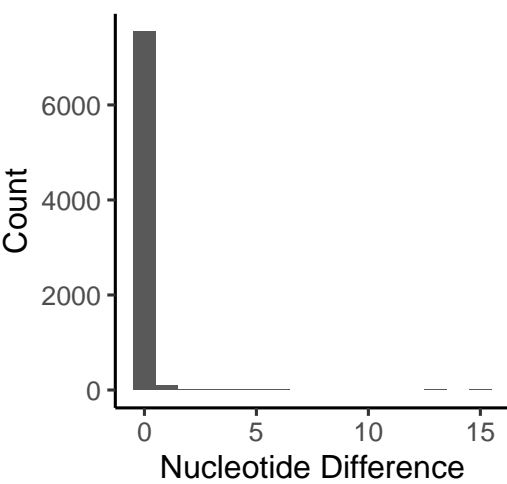
TRBV20-1\*ap01

11140 sequences assigned  
10955 (98.3%) exact matches, in which:  
10754 unique CDR3  
13 unique J



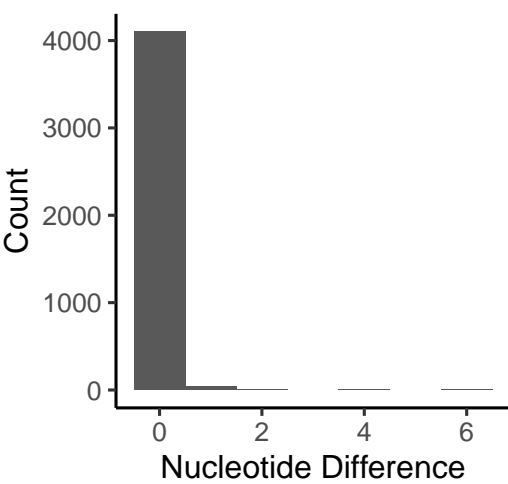
TRBV10-3\*ap01

7643 sequences assigned  
7541 (98.7%) exact matches, in which:  
7363 unique CDR3  
13 unique J



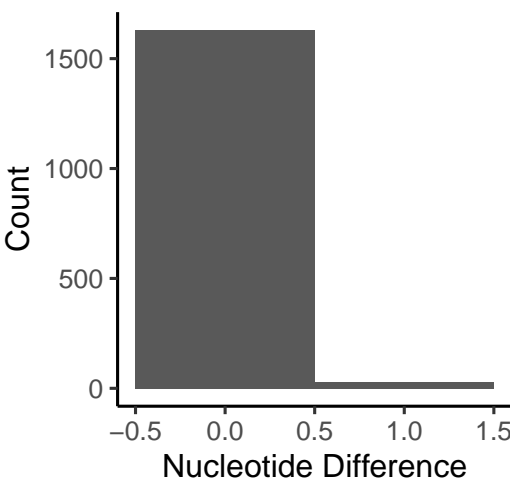
TRBV14\*ap01

4144 sequences assigned  
4101 (99%) exact matches, in which:  
4038 unique CDR3  
13 unique J



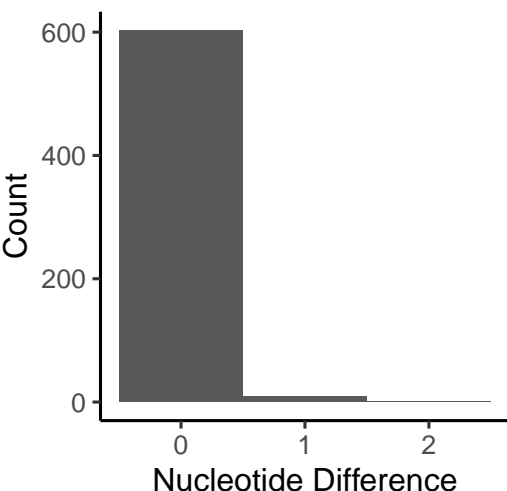
TRBV20-1\*ap02

1659 sequences assigned  
1630 (98.3%) exact matches, in which:  
1594 unique CDR3  
13 unique J



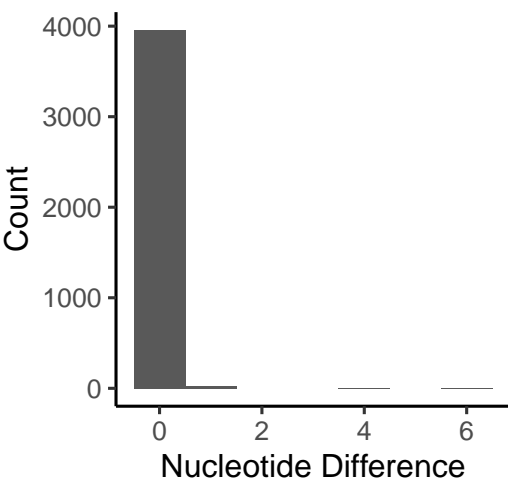
TRBV1\*ap01

613 sequences assigned  
603 (98.4%) exact matches, in which:  
576 unique CDR3  
13 unique J



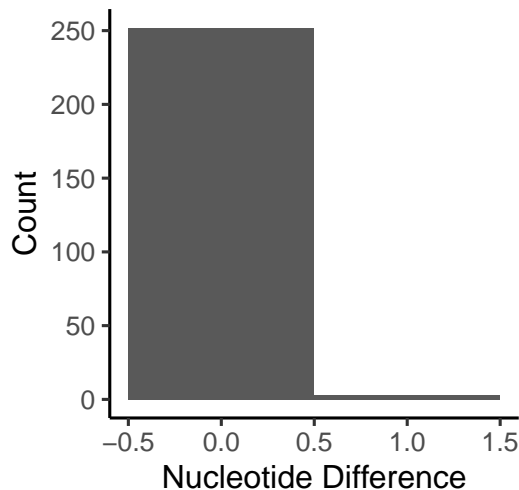
TRBV15\*ap02

3988 sequences assigned  
3957 (99.2%) exact matches, in which:  
3826 unique CDR3  
13 unique J



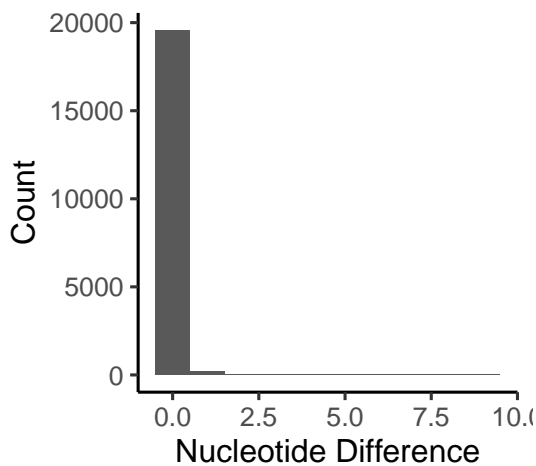
### TRBV16\*ap01

255 sequences assigned  
252 (98.8%) exact matches, in which:  
251 unique CDR3  
13 unique J



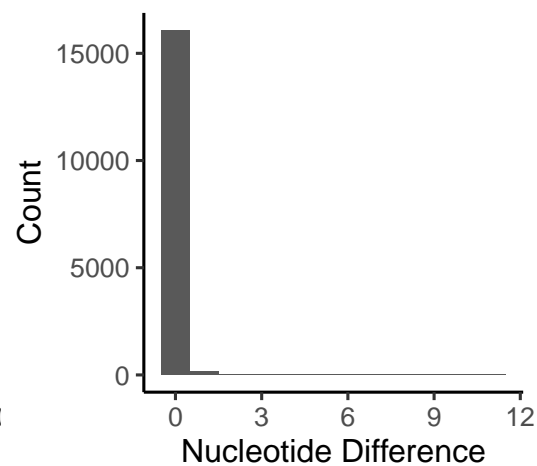
### TRBV19\*ap01

19790 sequences assigned  
19574 (98.9%) exact matches, in which:  
19309 unique CDR3  
13 unique J



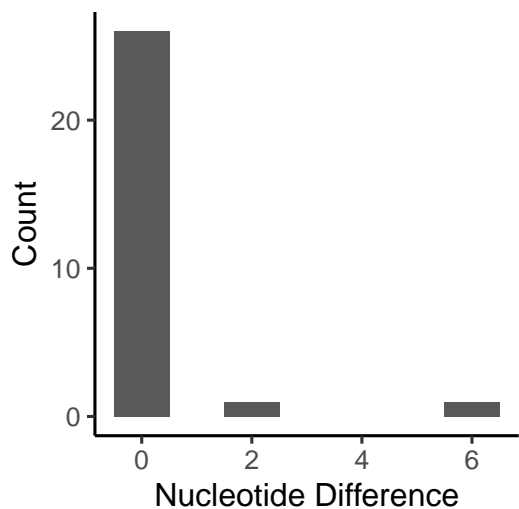
### TRBV27\*ap01

16264 sequences assigned  
16081 (98.9%) exact matches, in which:  
15828 unique CDR3  
13 unique J



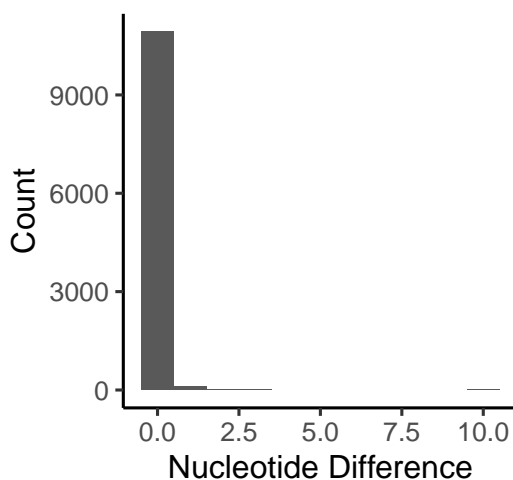
### TRBV17\*ap01

28 sequences assigned  
26 (92.9%) exact matches, in which:  
25 unique CDR3  
9 unique J



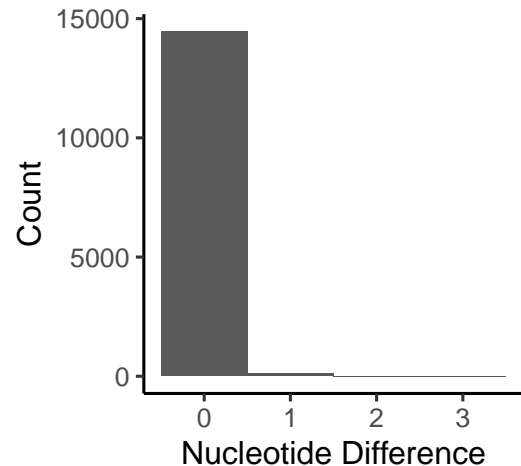
### TRBV2\*ap01

11055 sequences assigned  
10928 (98.9%) exact matches, in which:  
10672 unique CDR3  
13 unique J



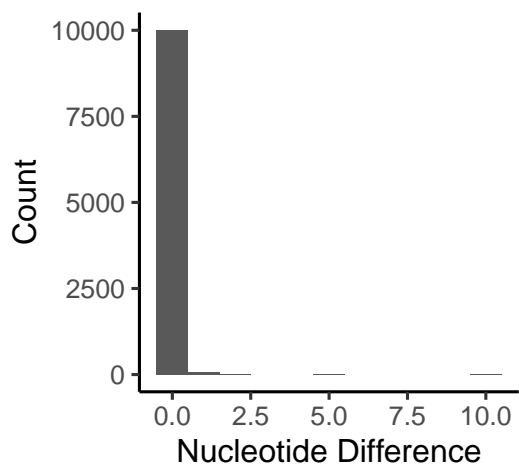
### TRBV28\*ap01

14589 sequences assigned  
14462 (99.1%) exact matches, in which:  
14274 unique CDR3  
13 unique J



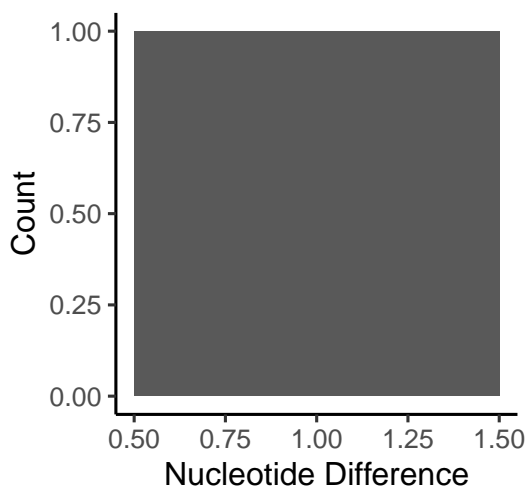
### TRBV18\*ap01

10078 sequences assigned  
10014 (99.4%) exact matches, in which:  
9901 unique CDR3  
13 unique J



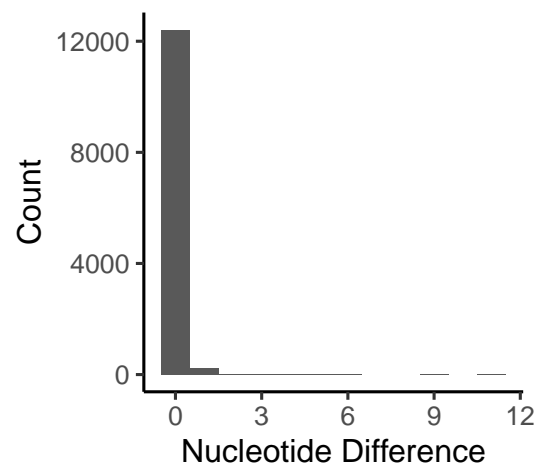
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



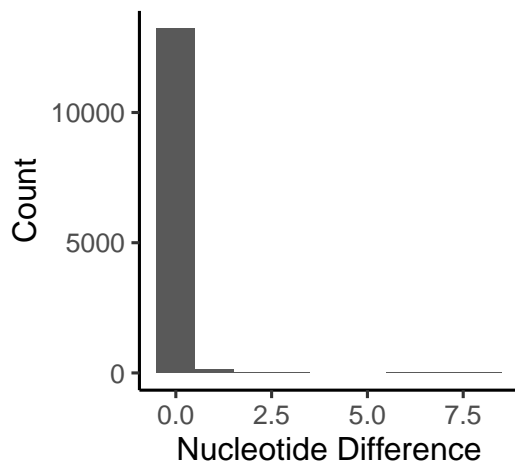
### TRBV30\*ap01

12656 sequences assigned  
12412 (98.1%) exact matches, in which:  
11998 unique CDR3  
13 unique J



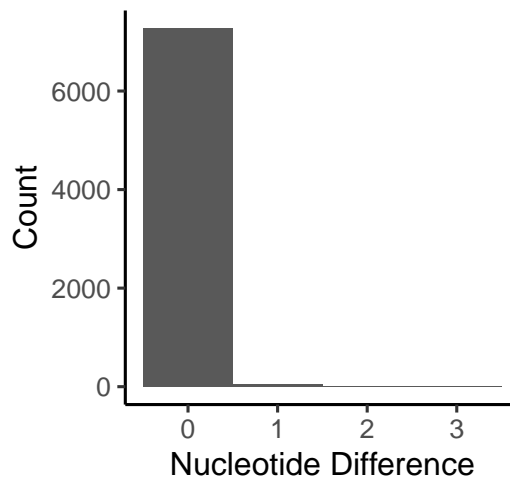
### TRBV9\*ap01

13379 sequences assigned  
13239 (99%) exact matches, in which:  
13041 unique CDR3  
13 unique J



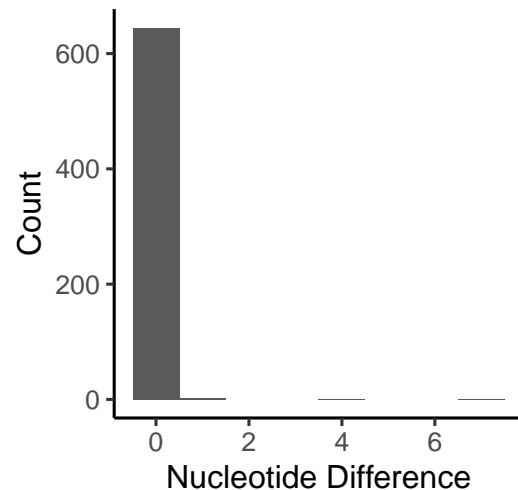
### TRBV11-2\*ap01

7326 sequences assigned  
7271 (99.2%) exact matches, in which:  
7131 unique CDR3  
13 unique J



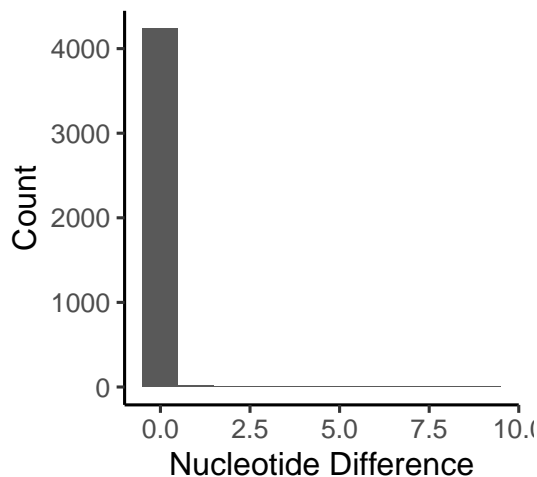
### TRBV12-2\*ap01

649 sequences assigned  
645 (99.4%) exact matches, in which:  
640 unique CDR3  
13 unique J



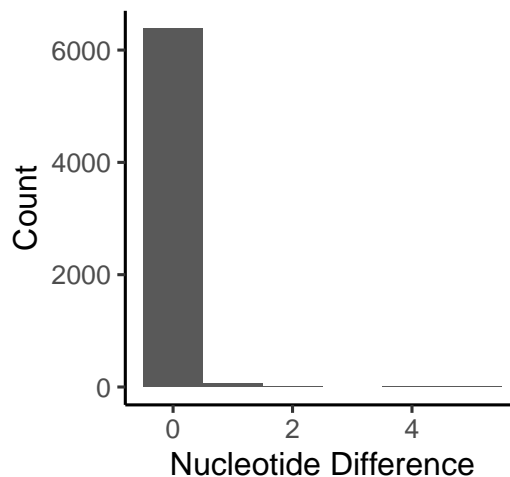
### TRBV21-1\*ap01

4276 sequences assigned  
4235 (99%) exact matches, in which:  
4198 unique CDR3  
13 unique J



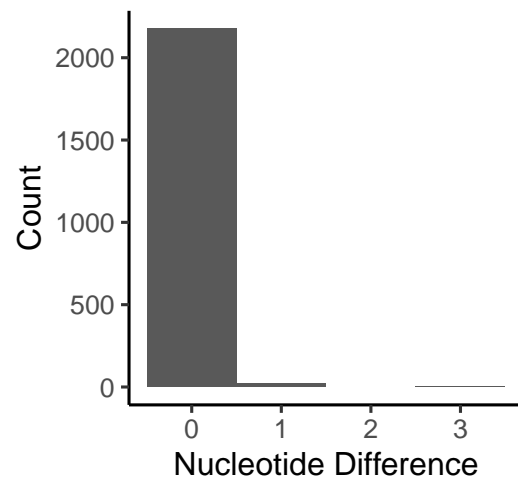
### TRBV11-3\*ap01

6441 sequences assigned  
6380 (99.1%) exact matches, in which:  
6270 unique CDR3  
13 unique J



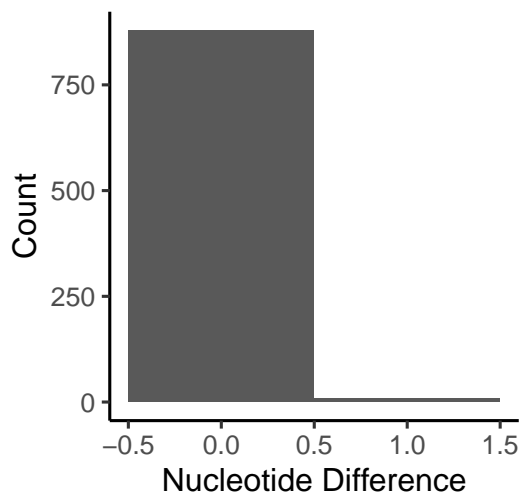
### TRBV12-5\*ap01

2200 sequences assigned  
2176 (98.9%) exact matches, in which:  
2138 unique CDR3  
13 unique J



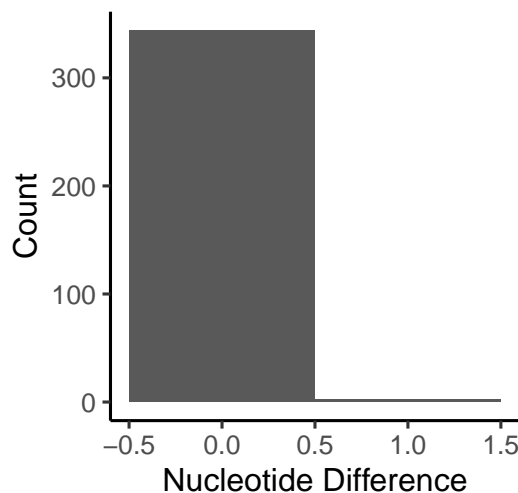
### TRBV11-1\*ap01

887 sequences assigned  
879 (99.1%) exact matches, in which:  
864 unique CDR3  
13 unique J



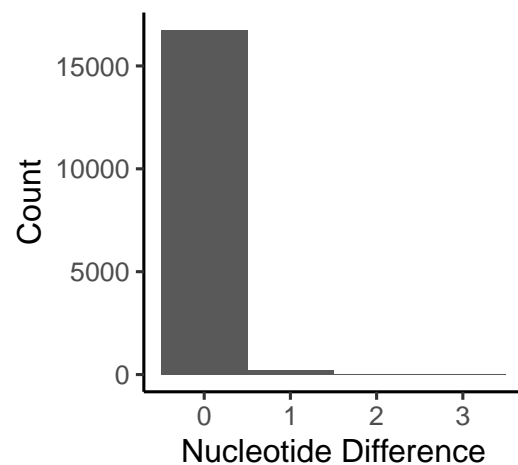
### TRBV12-1\*ap01

346 sequences assigned  
344 (99.4%) exact matches, in which:  
336 unique CDR3  
13 unique J



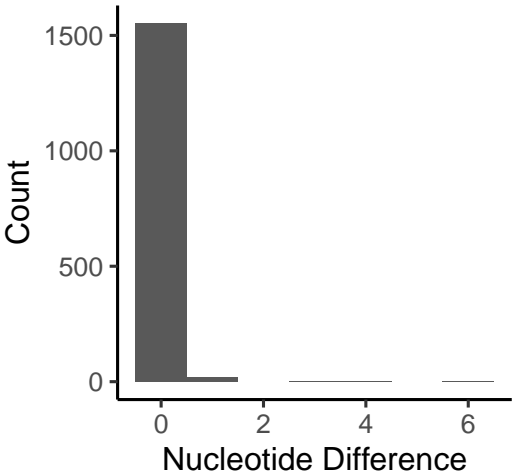
### TRBV12-34\*ap01

16966 sequences assigned  
16757 (98.8%) exact matches, in which:  
16442 unique CDR3  
13 unique J



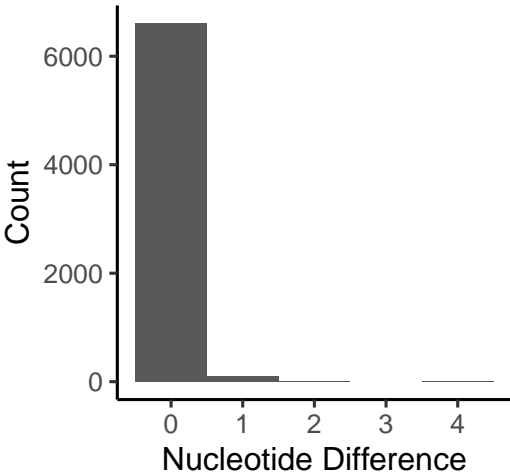
TRBV23-1\*ap01

1573 sequences assigned  
1552 (98.7%) exact matches, in which:  
1540 unique CDR3  
13 unique J



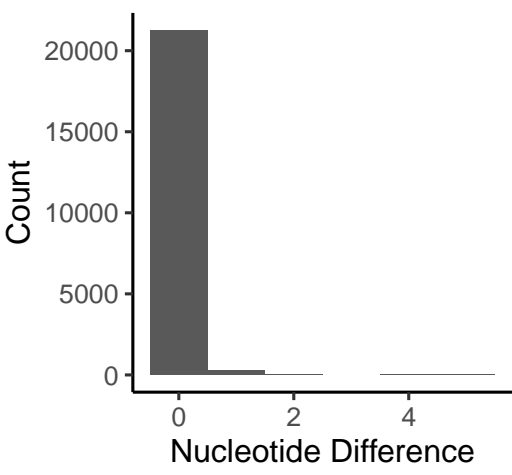
TRBV24-1\*ap01

6704 sequences assigned  
6605 (98.5%) exact matches, in which:  
6495 unique CDR3  
13 unique J



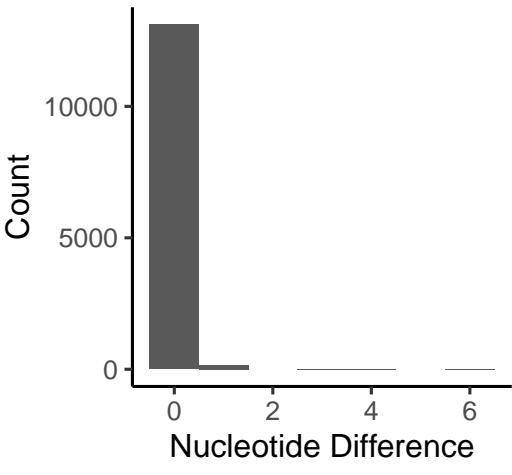
TRBV5-1\*ap01

21530 sequences assigned  
21267 (98.8%) exact matches, in which:  
20668 unique CDR3  
13 unique J



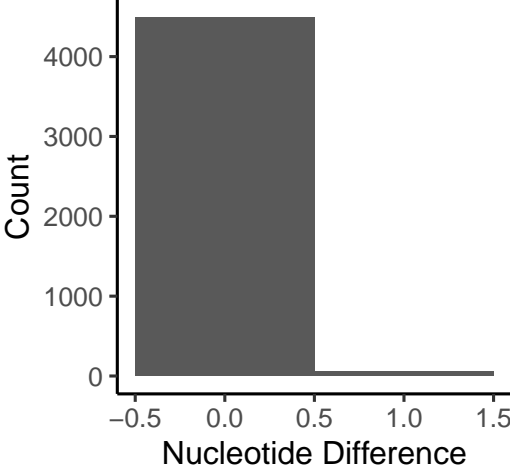
TRBV3-12\*ap01

13274 sequences assigned  
13115 (98.8%) exact matches, in which:  
12826 unique CDR3  
13 unique J



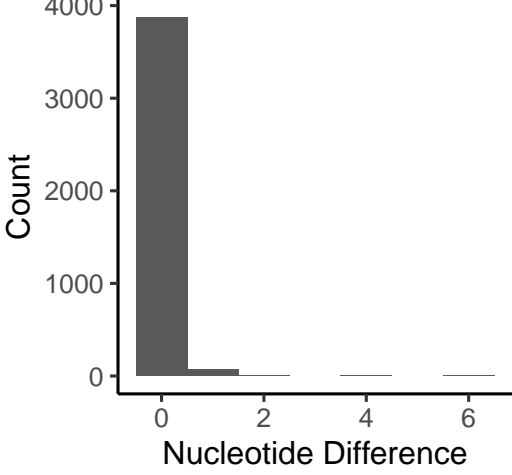
TRBV4-2\*ap01

4542 sequences assigned  
4487 (98.8%) exact matches, in which:  
4379 unique CDR3  
13 unique J



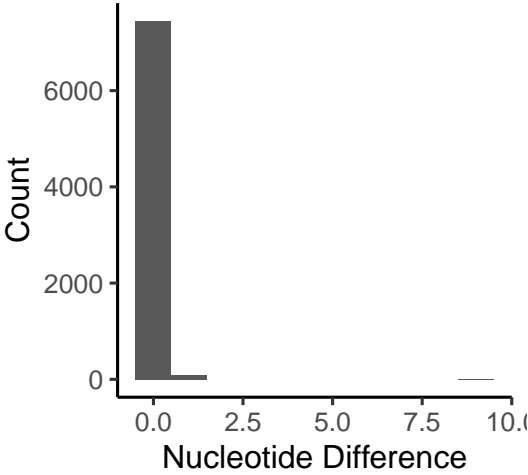
TRBV25-1\*ap01

3944 sequences assigned  
3869 (98.1%) exact matches, in which:  
3758 unique CDR3  
13 unique J



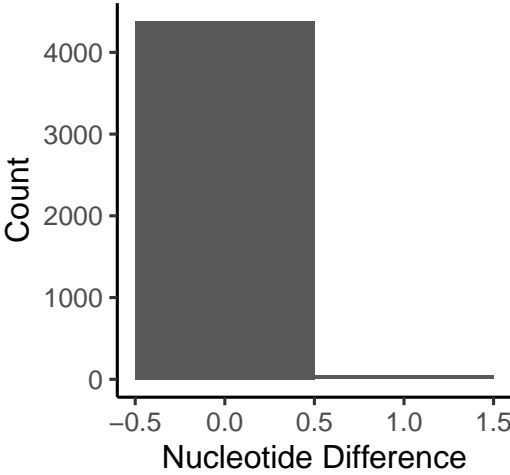
TRBV4-1\*ap01

7541 sequences assigned  
7446 (98.7%) exact matches, in which:  
7217 unique CDR3  
13 unique J



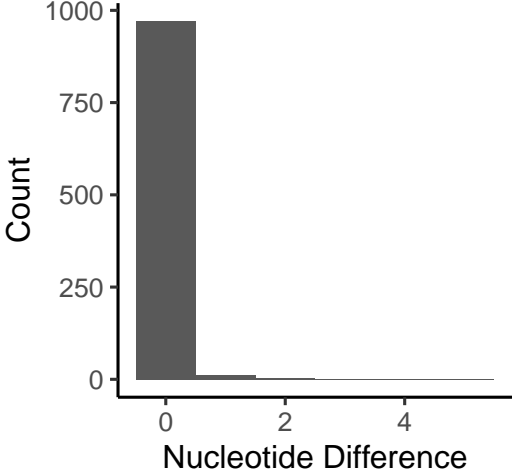
TRBV4-3\*ap01

4430 sequences assigned  
4383 (98.9%) exact matches, in which:  
4298 unique CDR3  
13 unique J



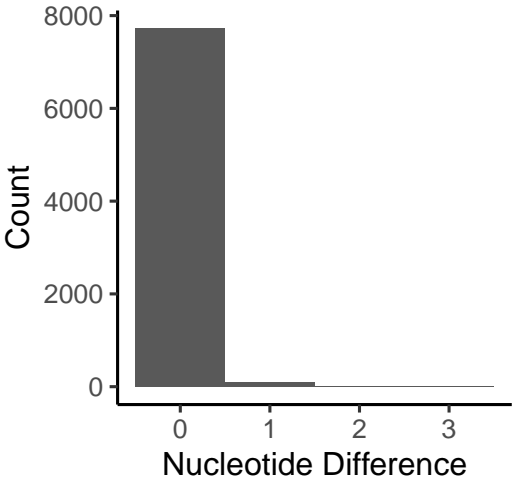
TRBV5-3\*ap01

988 sequences assigned  
971 (98.3%) exact matches, in which:  
940 unique CDR3  
13 unique J



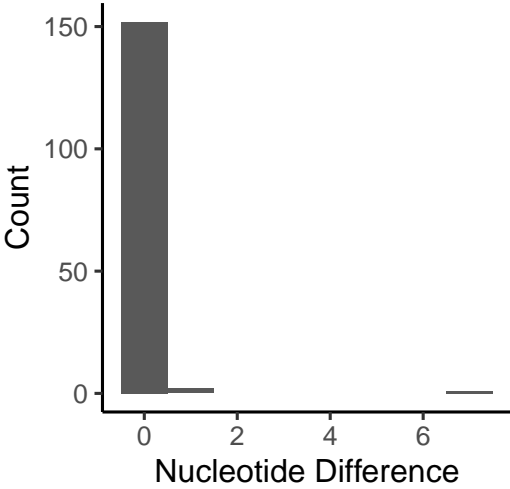
TRBV5-4\*ap01

7820 sequences assigned  
7724 (98.8%) exact matches, in which:  
7525 unique CDR3  
13 unique J



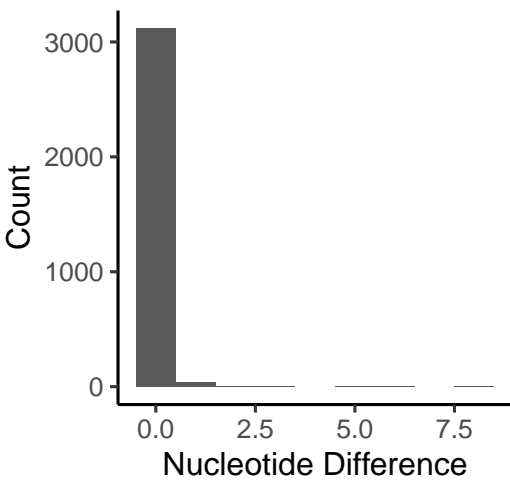
TRBV5-7\*ap01

155 sequences assigned  
152 (98.1%) exact matches, in which:  
149 unique CDR3  
13 unique J



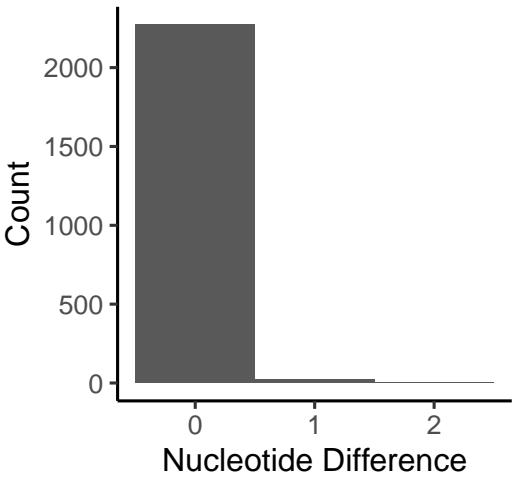
TRBV6-4\*ap01

3177 sequences assigned  
3118 (98.1%) exact matches, in which:  
3069 unique CDR3  
13 unique J



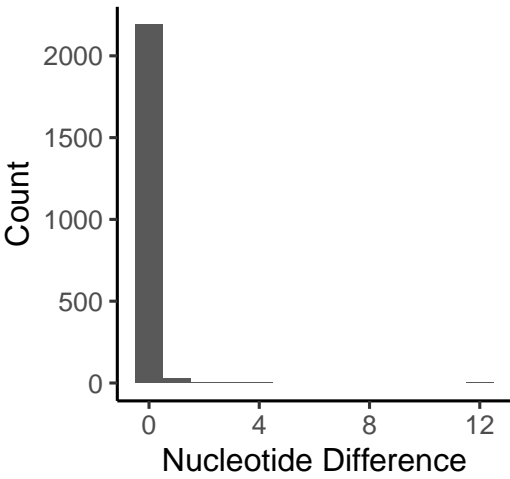
TRBV5-5\*ap01

2296 sequences assigned  
2272 (99%) exact matches, in which:  
2253 unique CDR3  
13 unique J



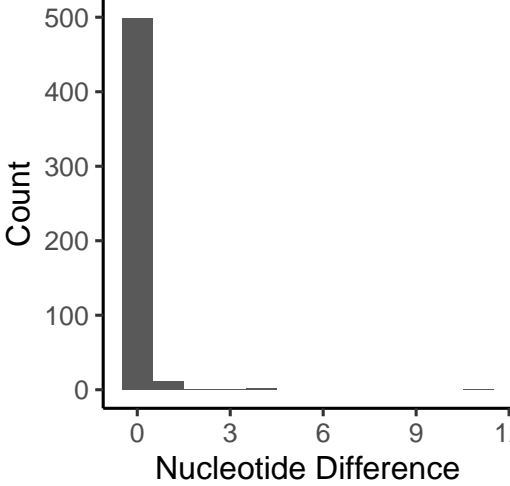
TRBV5-8\*ap01

2221 sequences assigned  
2190 (98.6%) exact matches, in which:  
2162 unique CDR3  
13 unique J



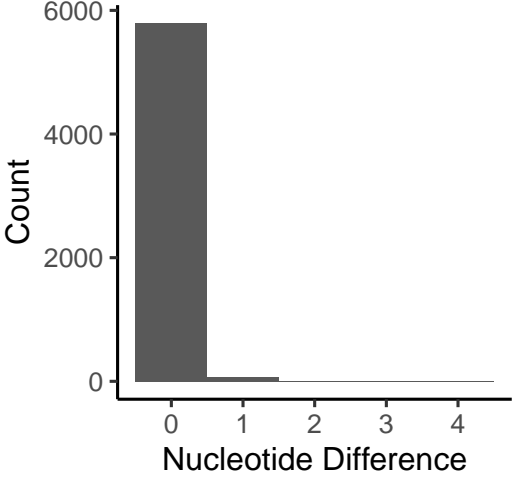
TRBV6-7\*ap01

515 sequences assigned  
499 (96.9%) exact matches, in which:  
483 unique CDR3  
13 unique J



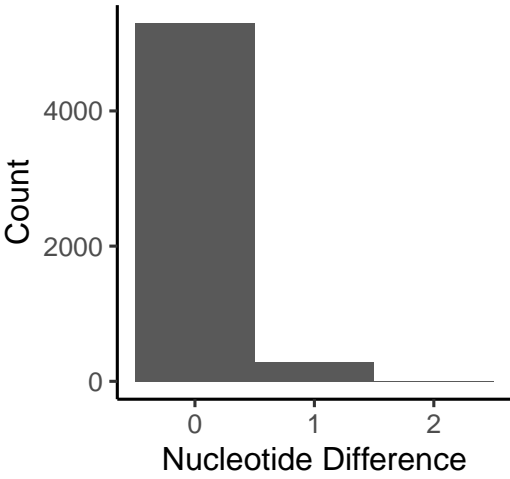
TRBV5-6\*ap01

5865 sequences assigned  
5795 (98.8%) exact matches, in which:  
5557 unique CDR3  
13 unique J



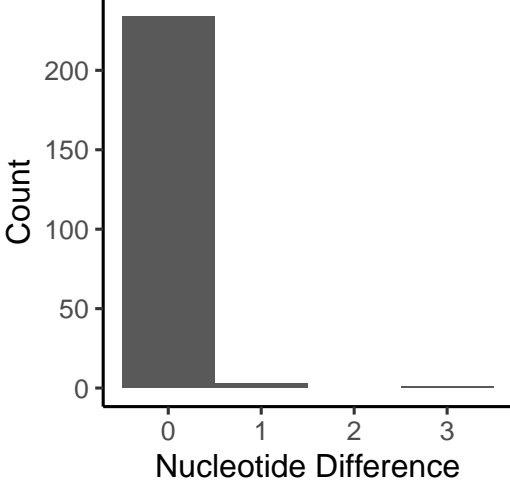
TRBV6-1\*ap01

5586 sequences assigned  
5300 (94.9%) exact matches, in which:  
5129 unique CDR3  
13 unique J



TRBV6-8\*ap01

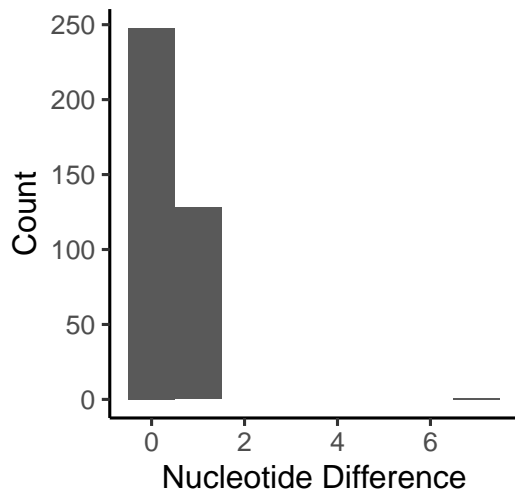
238 sequences assigned  
234 (98.3%) exact matches, in which:  
228 unique CDR3  
13 unique J





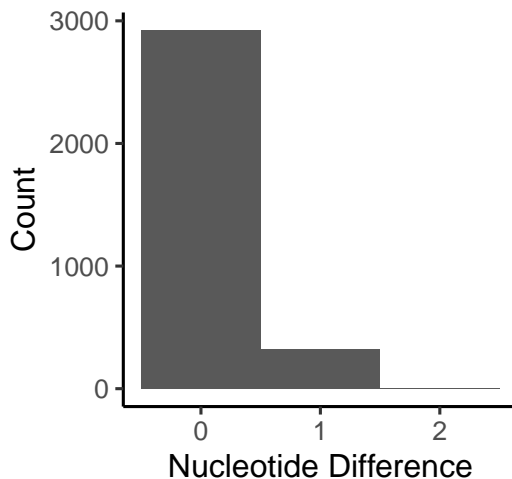
### TRBV6-9\*ap01

377 sequences assigned  
248 (65.8%) exact matches, in which:  
239 unique CDR3  
13 unique J



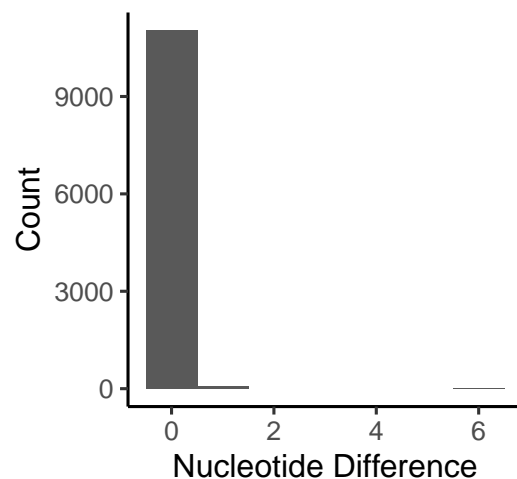
### TRBV6-56\*ap02

3253 sequences assigned  
2922 (89.8%) exact matches, in which:  
2819 unique CDR3  
13 unique J



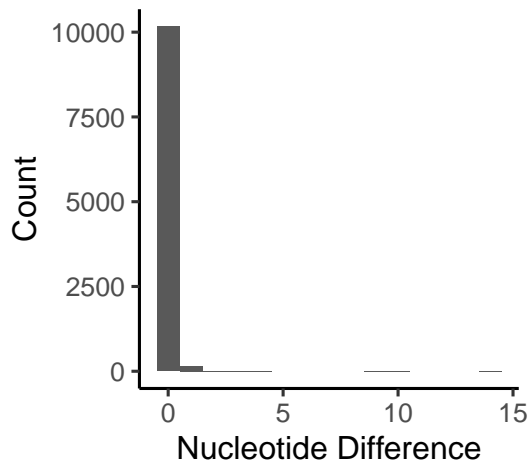
### TRBV7-2\*ap01

11106 sequences assigned  
11035 (99.4%) exact matches, in which:  
10867 unique CDR3  
14 unique J



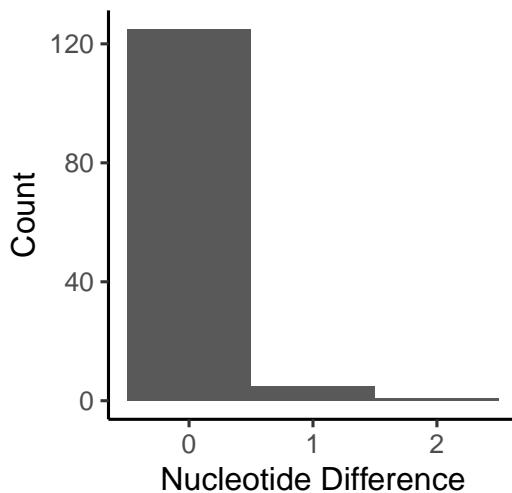
### TRBV6-23\*ap01

10335 sequences assigned  
10168 (98.4%) exact matches, in which:  
9799 unique CDR3  
13 unique J



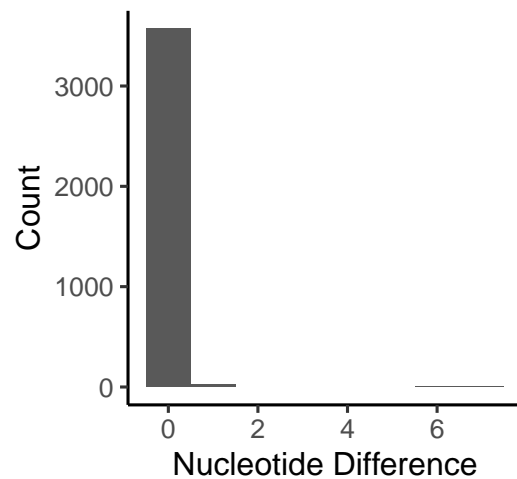
### TRBV7-1\*ap01\_G291C\_

131 sequences assigned  
125 (95.4%) exact matches, in which:  
123 unique CDR3  
13 unique J



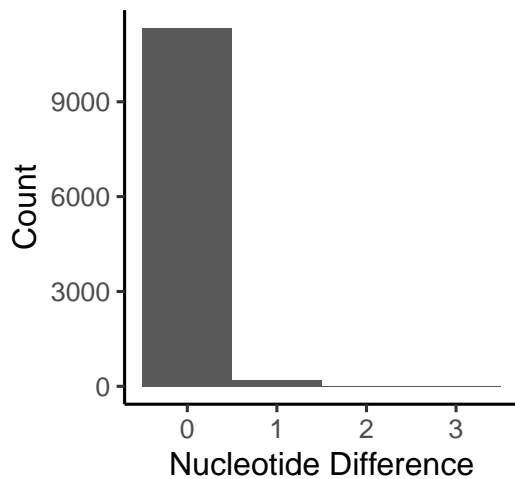
### TRBV7-3\*ap01

3602 sequences assigned  
3571 (99.1%) exact matches, in which:  
3502 unique CDR3  
13 unique J



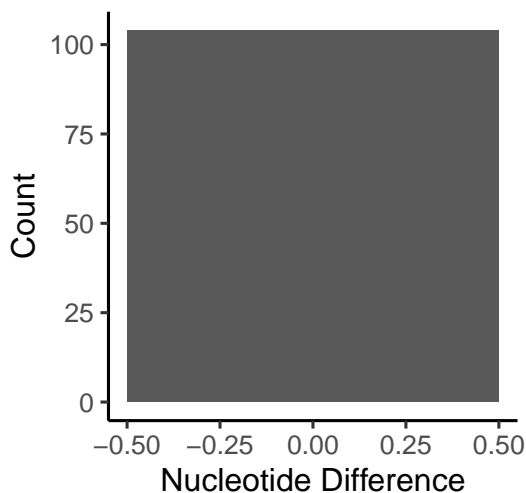
### TRBV6-56\*ap01

11540 sequences assigned  
11332 (98.2%) exact matches, in which:  
10941 unique CDR3  
13 unique J



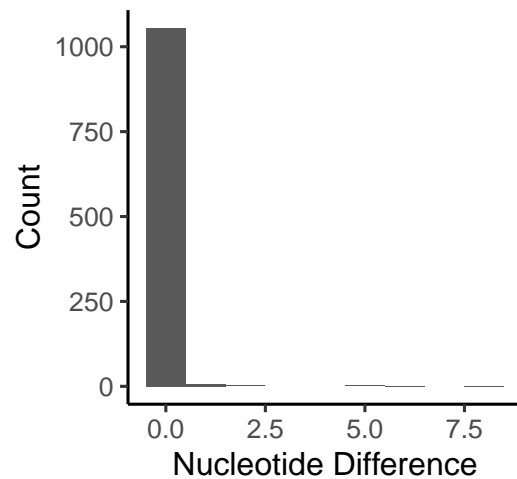
### TRBV7-1\*ap01\_G291C\_

104 sequences assigned  
104 (100%) exact matches, in which:  
102 unique CDR3  
12 unique J



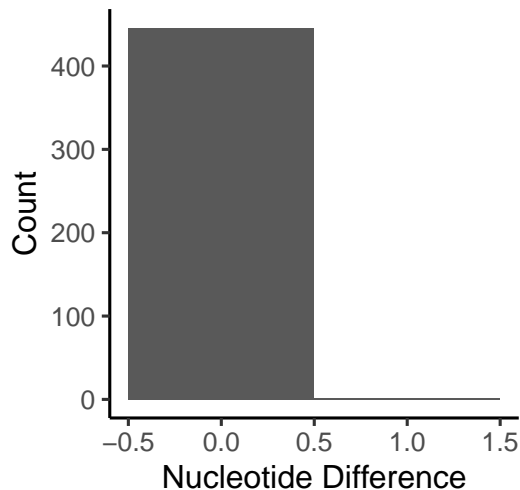
### TRBV7-3\*ap02

1068 sequences assigned  
1055 (98.8%) exact matches, in which:  
1040 unique CDR3  
13 unique J



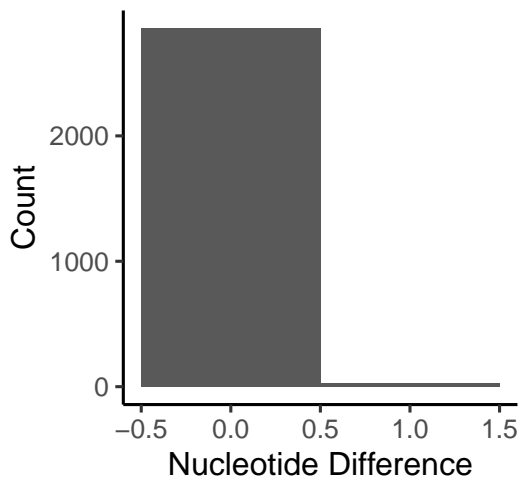
### TRBV7-4\*ap01

448 sequences assigned  
446 (99.6%) exact matches, in which:  
434 unique CDR3  
13 unique J



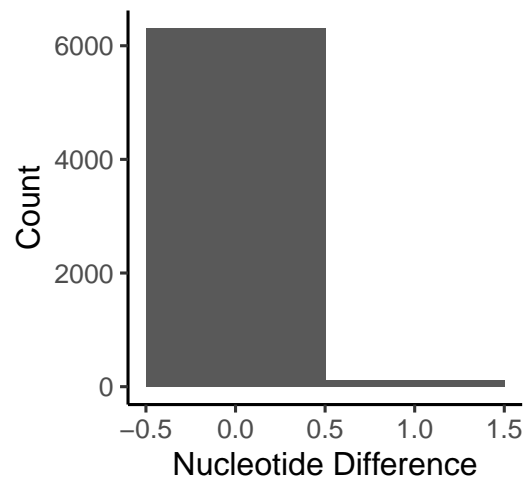
### TRBV7-8\*ap01

2888 sequences assigned  
2857 (98.9%) exact matches, in which:  
2810 unique CDR3  
14 unique J



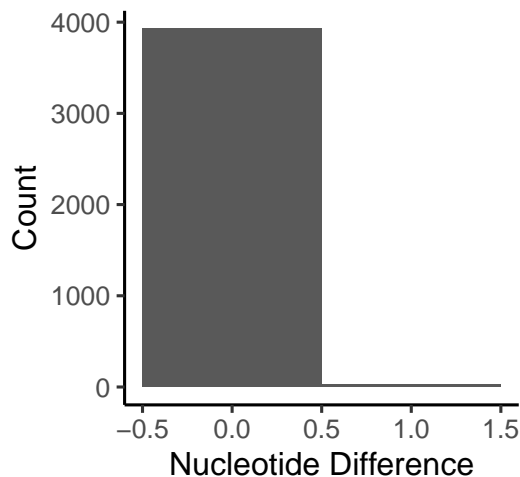
### TRBV29-1\*ap01

6424 sequences assigned  
6305 (98.1%) exact matches, in which:  
6096 unique CDR3  
13 unique J



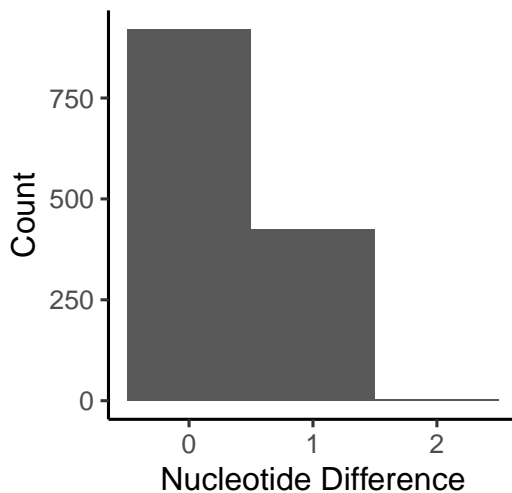
### TRBV7-6\*ap01

3959 sequences assigned  
3928 (99.2%) exact matches, in which:  
3851 unique CDR3  
13 unique J



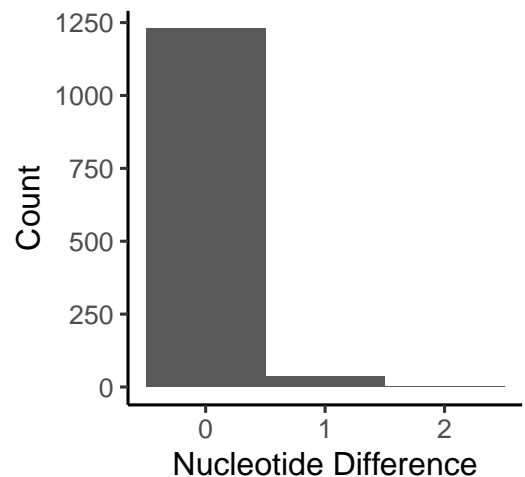
### TRBV7-8\*ap03

1351 sequences assigned  
921 (68.2%) exact matches, in which:  
908 unique CDR3  
13 unique J



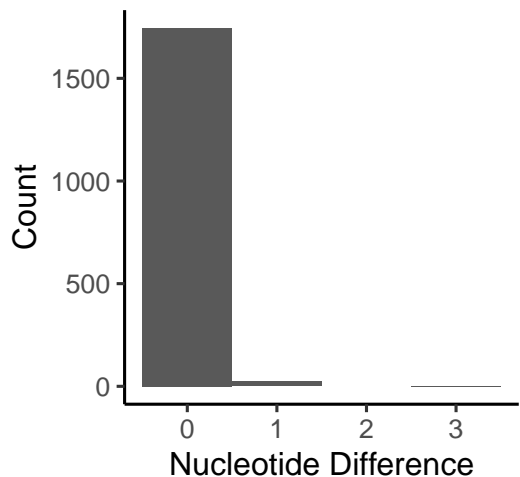
### TRBV29-1\*ap02

1266 sequences assigned  
1229 (97.1%) exact matches, in which:  
1188 unique CDR3  
13 unique J



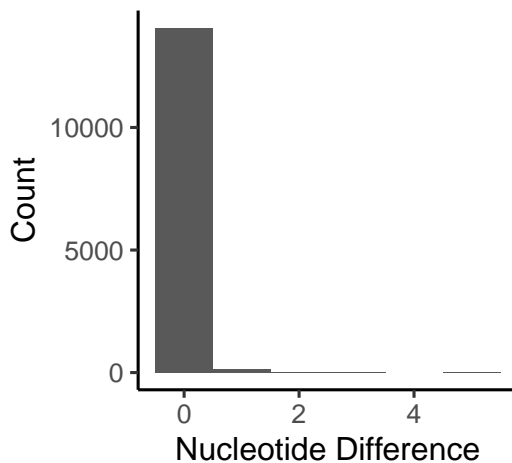
### TRBV7-7\*ap01

1769 sequences assigned  
1745 (98.6%) exact matches, in which:  
1697 unique CDR3  
13 unique J

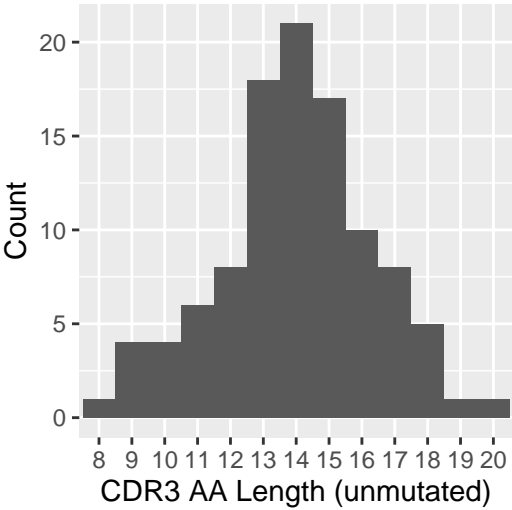


### TRBV7-9\*ap01

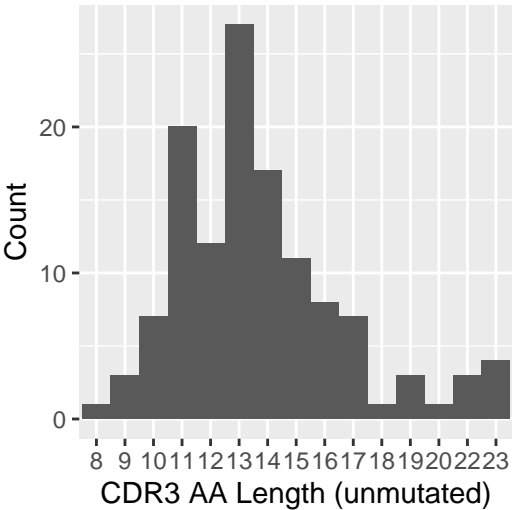
14231 sequences assigned  
14068 (98.9%) exact matches, in which:  
13713 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]