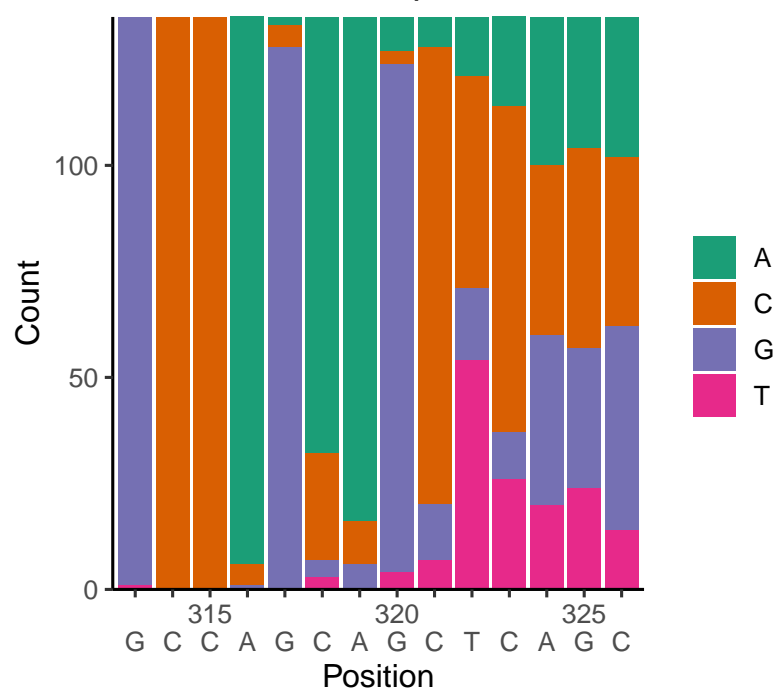
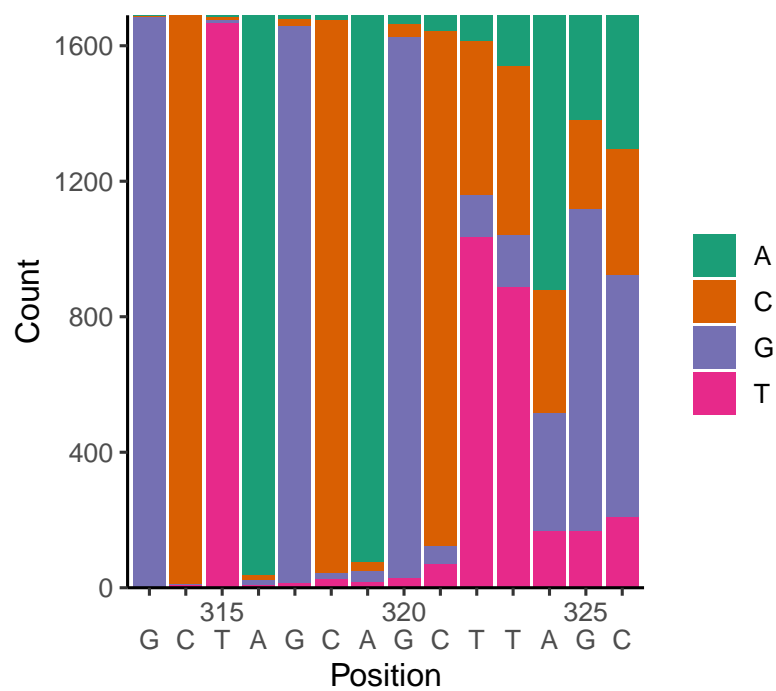


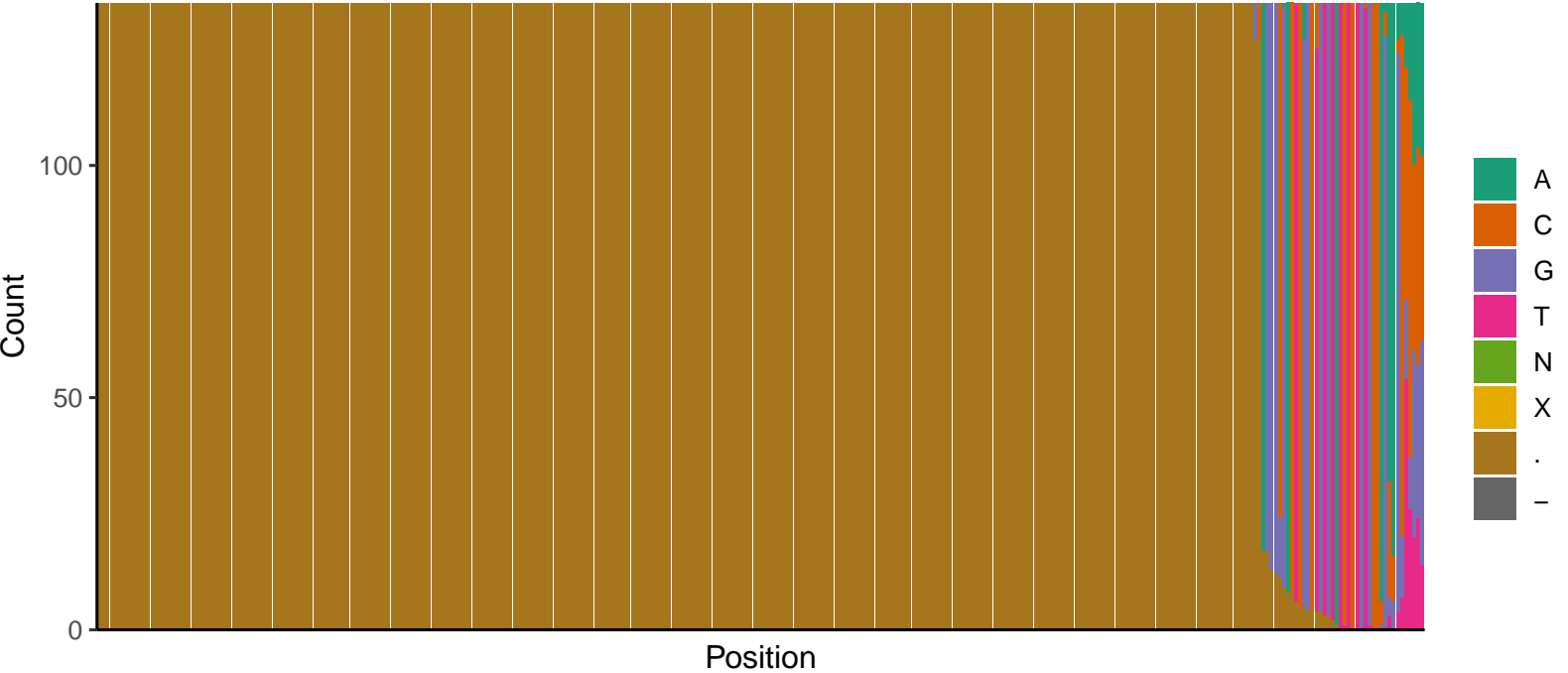
Gene TRBV7-1\*ap01\_T296C



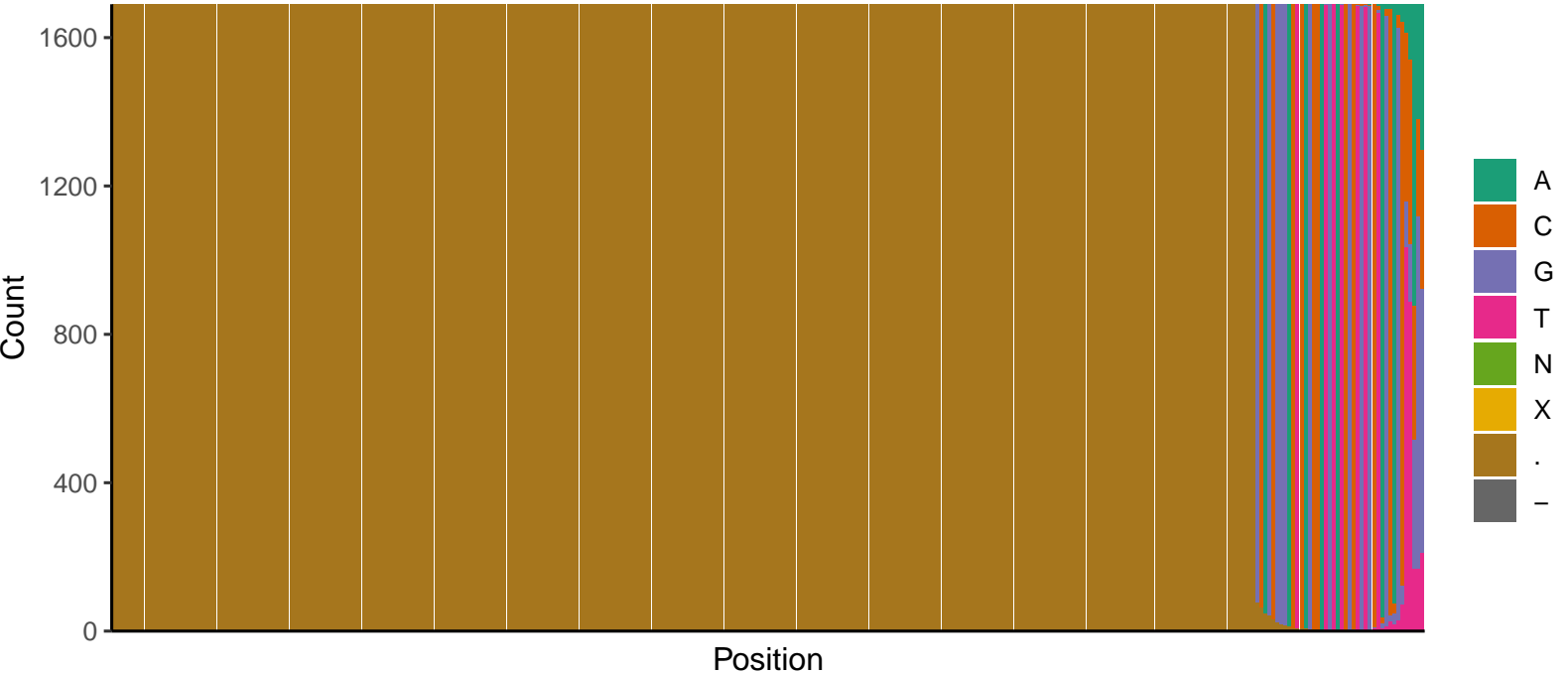
Gene TRBV7-7\*ap01\_C315T



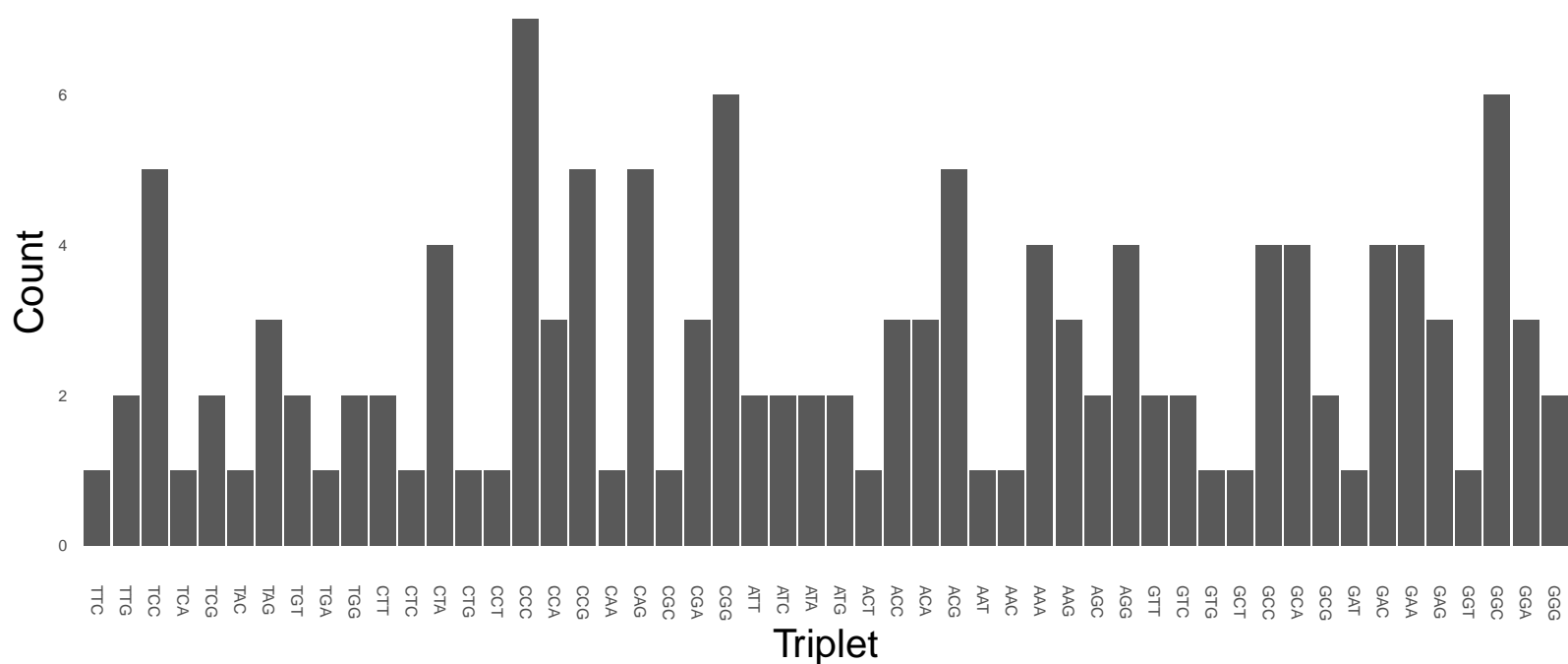
Gene TRBV7-1\*ap01\_T296C



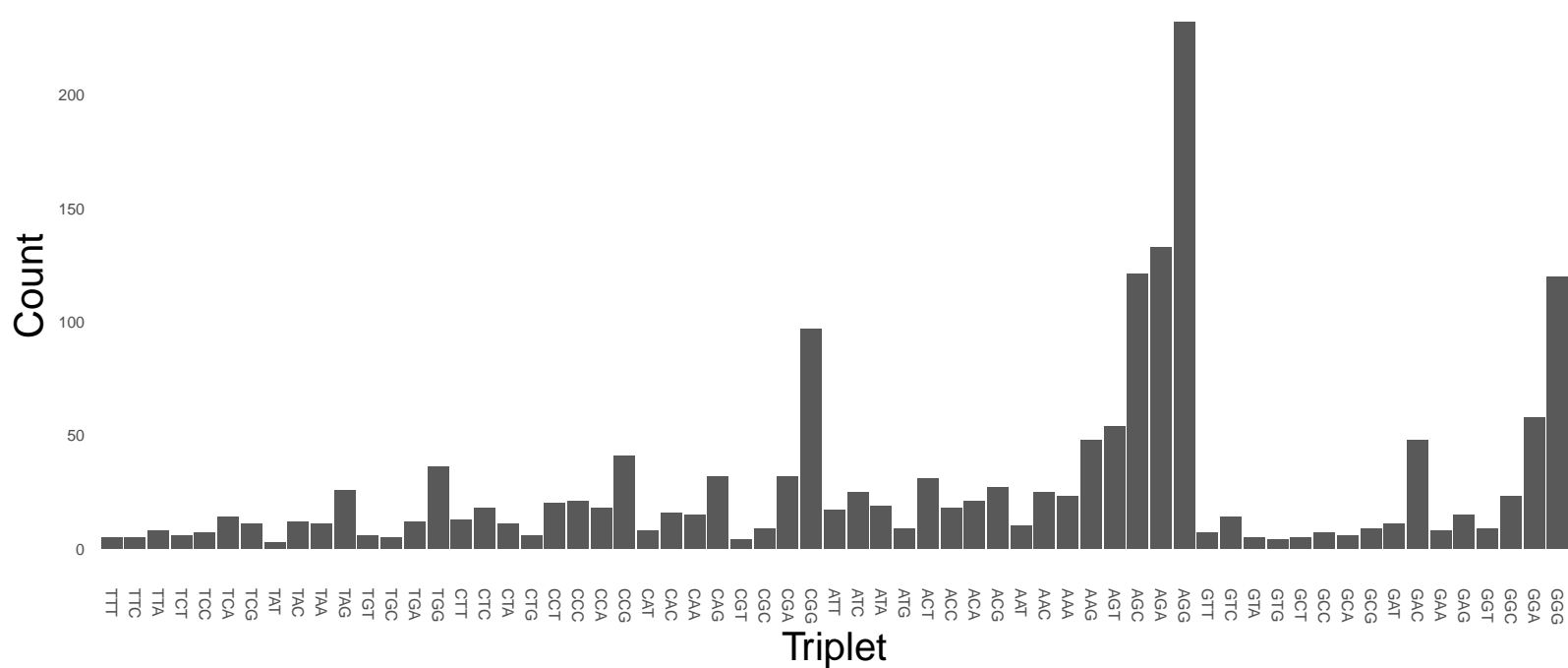
Gene TRBV7-7\*ap01\_C315T



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

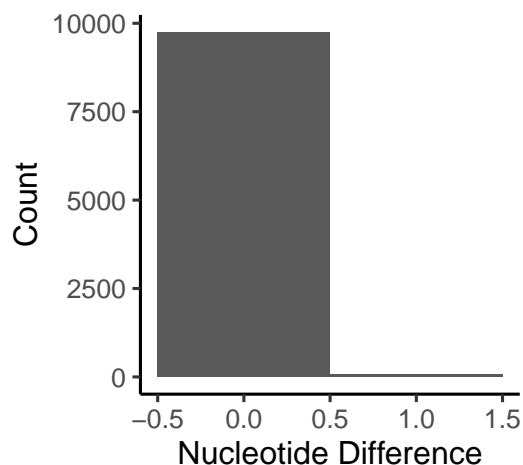


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



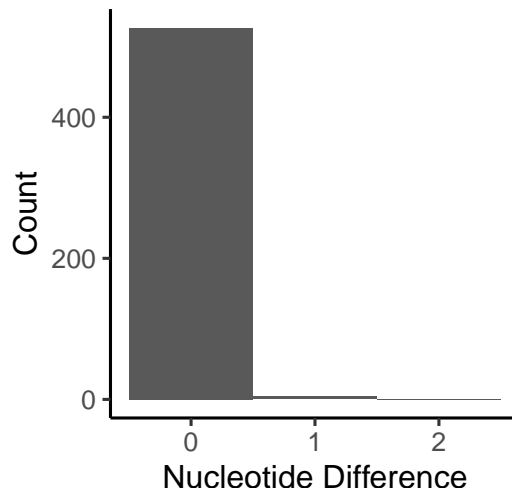
### TRBV20-1\*ap01

9809 sequences assigned  
9749 (99.4%) exact matches, in which:  
9708 unique CDR3  
13 unique J



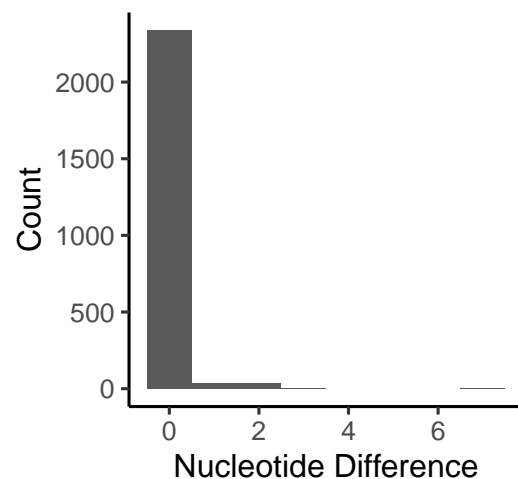
### TRBV10-2\*ap01

532 sequences assigned  
527 (99.1%) exact matches, in which:  
521 unique CDR3  
12 unique J



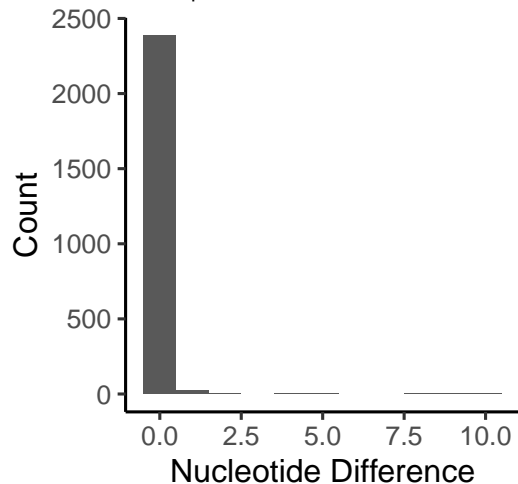
### TRBV13\*ap01

2411 sequences assigned  
2337 (96.9%) exact matches, in which:  
2322 unique CDR3  
13 unique J



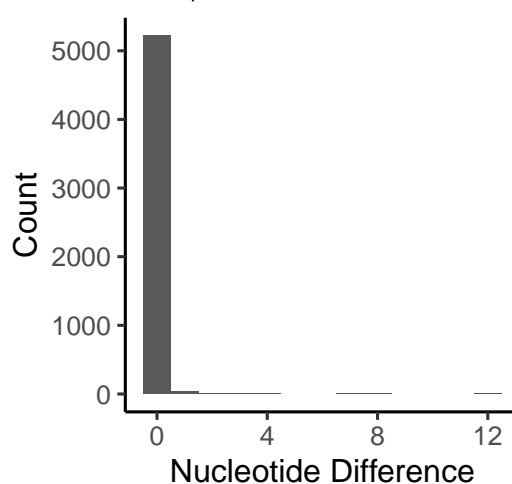
### TRBV10-1\*ap01

2417 sequences assigned  
2385 (98.7%) exact matches, in which:  
2360 unique CDR3  
13 unique J



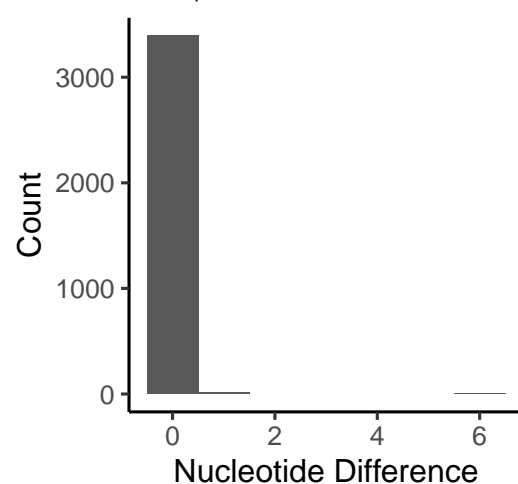
### TRBV10-3\*ap01

5264 sequences assigned  
5219 (99.1%) exact matches, in which:  
5189 unique CDR3  
13 unique J



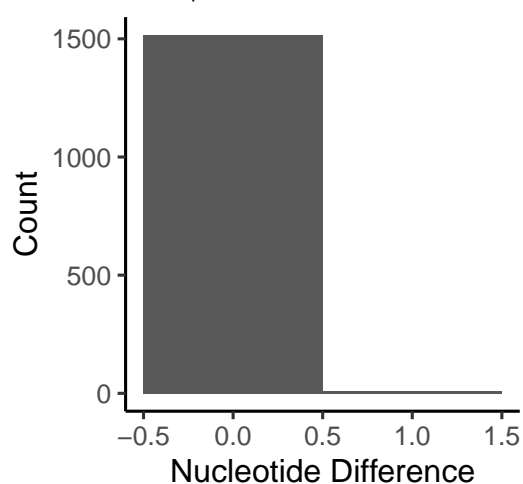
### TRBV14\*ap01

3409 sequences assigned  
3393 (99.5%) exact matches, in which:  
3376 unique CDR3  
13 unique J



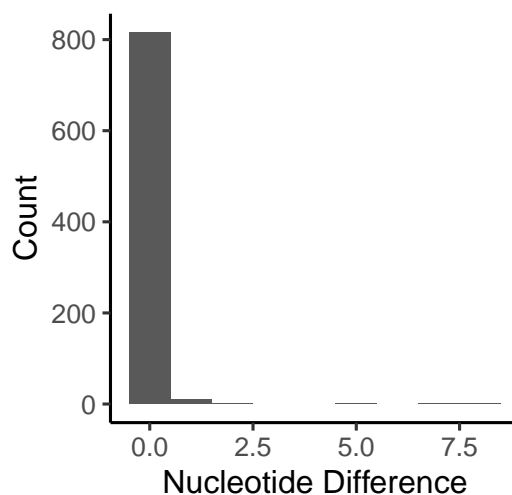
### TRBV20-1\*ap02

1525 sequences assigned  
1516 (99.4%) exact matches, in which:  
1510 unique CDR3  
13 unique J



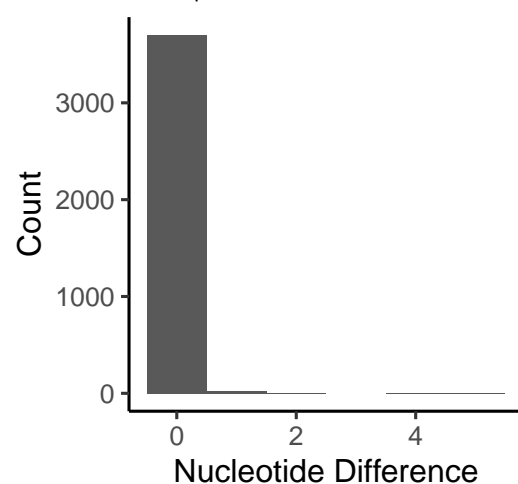
### TRBV1\*ap01

830 sequences assigned  
816 (98.3%) exact matches, in which:  
807 unique CDR3  
13 unique J



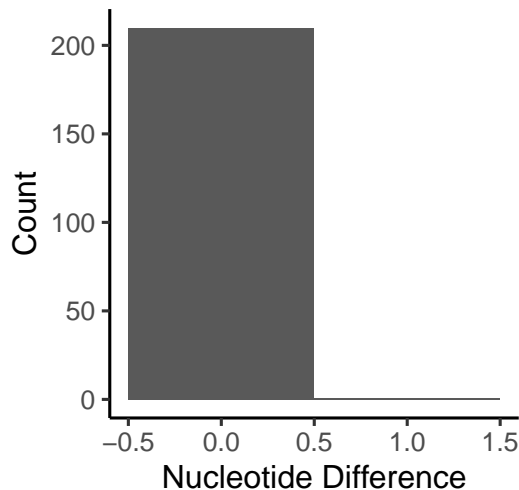
### TRBV15\*ap02

3730 sequences assigned  
3700 (99.2%) exact matches, in which:  
3679 unique CDR3  
13 unique J



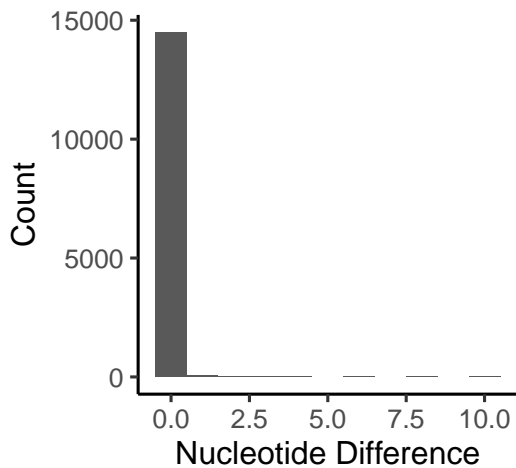
### TRBV16\*ap01

211 sequences assigned  
210 (99.5%) exact matches, in which:  
210 unique CDR3  
12 unique J



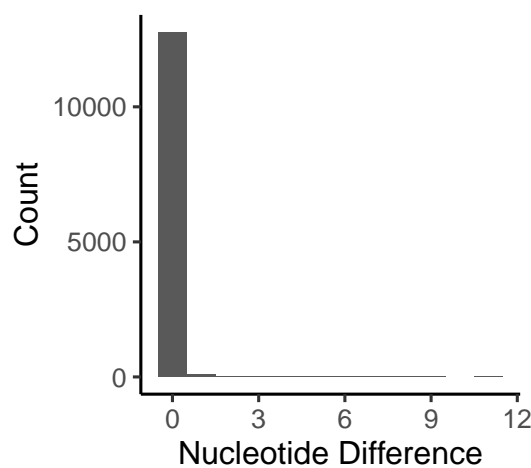
### TRBV19\*ap01

14590 sequences assigned  
14499 (99.4%) exact matches, in which:  
14475 unique CDR3  
14 unique J



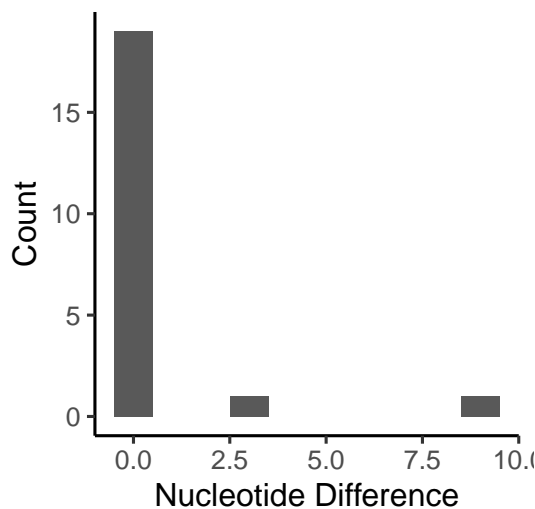
### TRBV27\*ap01

12874 sequences assigned  
12765 (99.2%) exact matches, in which:  
12706 unique CDR3  
13 unique J



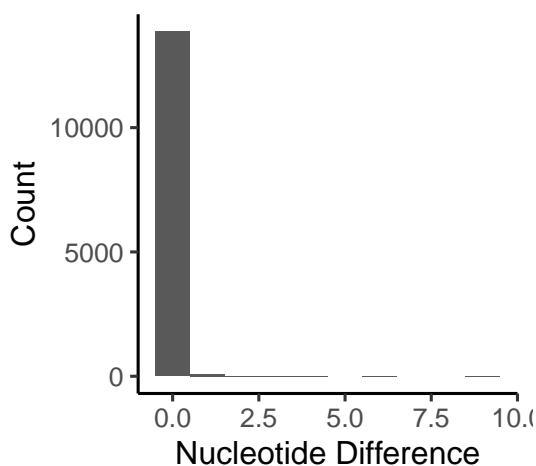
### TRBV17\*ap01

21 sequences assigned  
19 (90.5%) exact matches, in which:  
19 unique CDR3  
7 unique J



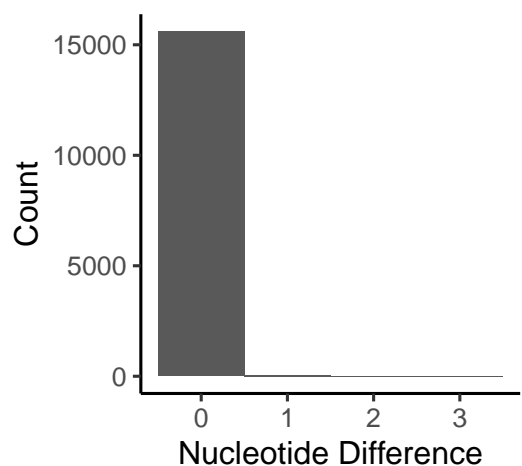
### TRBV2\*ap01

13971 sequences assigned  
13868 (99.3%) exact matches, in which:  
13778 unique CDR3  
13 unique J



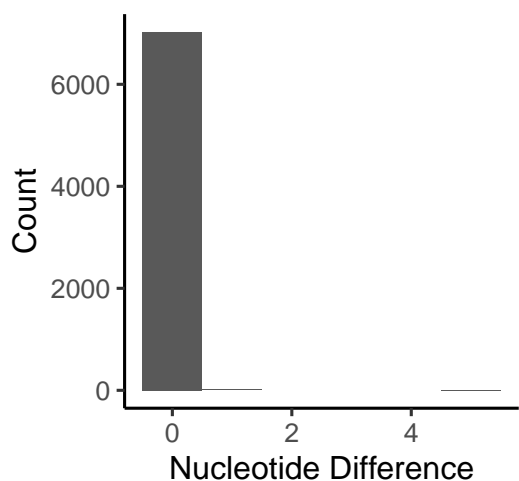
### TRBV28\*ap01

15672 sequences assigned  
15603 (99.6%) exact matches, in which:  
15559 unique CDR3  
13 unique J



### TRBV18\*ap01

7041 sequences assigned  
7025 (99.8%) exact matches, in which:  
7008 unique CDR3  
13 unique J



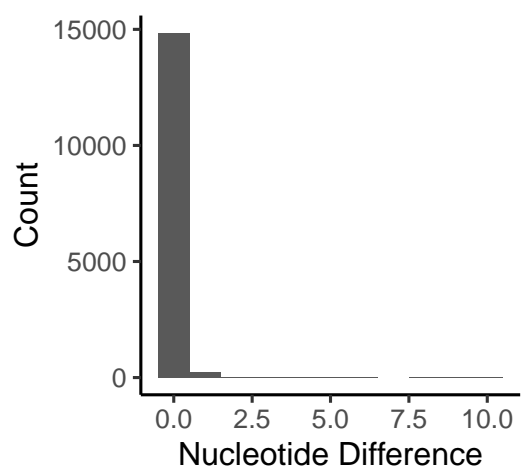
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



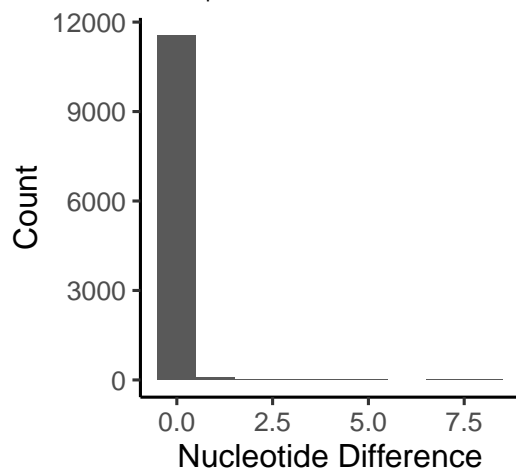
### TRBV30\*ap01

15129 sequences assigned  
14852 (98.2%) exact matches, in which:  
14661 unique CDR3  
13 unique J



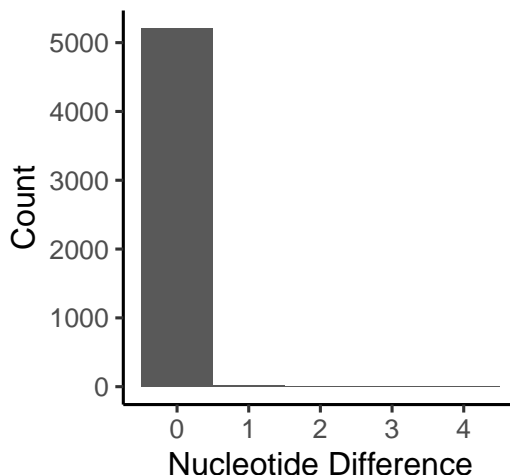
### TRBV9\*ap01

11646 sequences assigned  
11562 (99.3%) exact matches, in which:  
11520 unique CDR3  
13 unique J



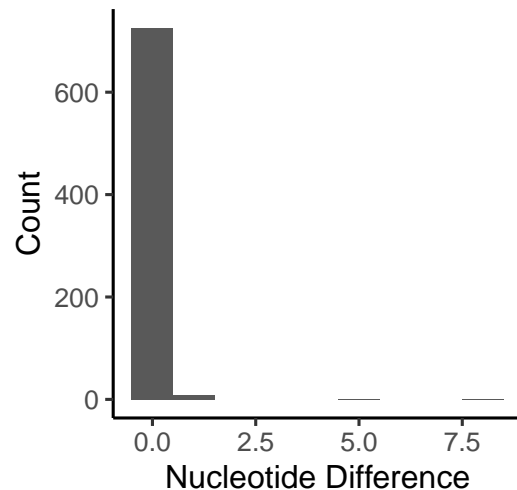
### TRBV11-2\*ap01

5229 sequences assigned  
5207 (99.6%) exact matches, in which:  
5188 unique CDR3  
13 unique J



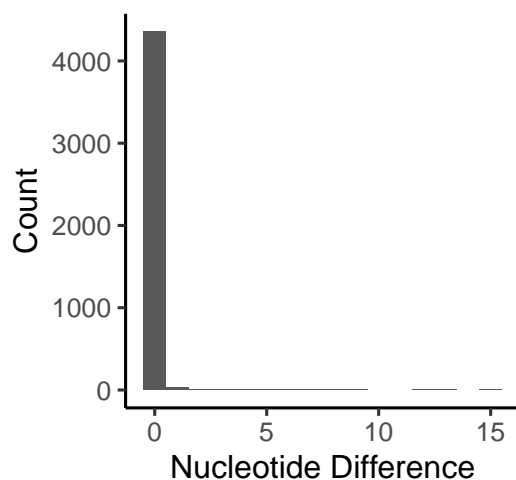
### TRBV12-2\*ap01

736 sequences assigned  
726 (98.6%) exact matches, in which:  
722 unique CDR3  
13 unique J



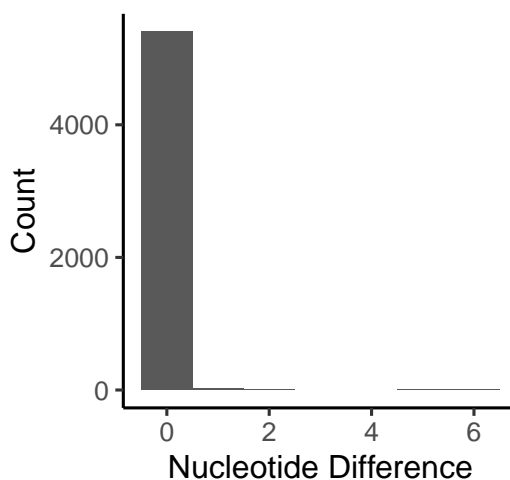
### TRBV21-1\*ap01

4418 sequences assigned  
4355 (98.6%) exact matches, in which:  
4348 unique CDR3  
13 unique J



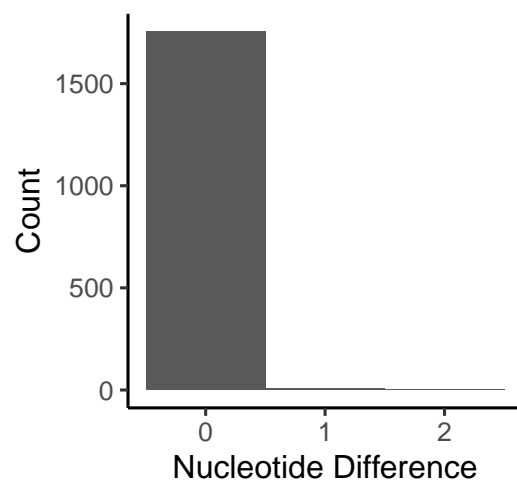
### TRBV11-3\*ap01

5431 sequences assigned  
5404 (99.5%) exact matches, in which:  
5389 unique CDR3  
13 unique J



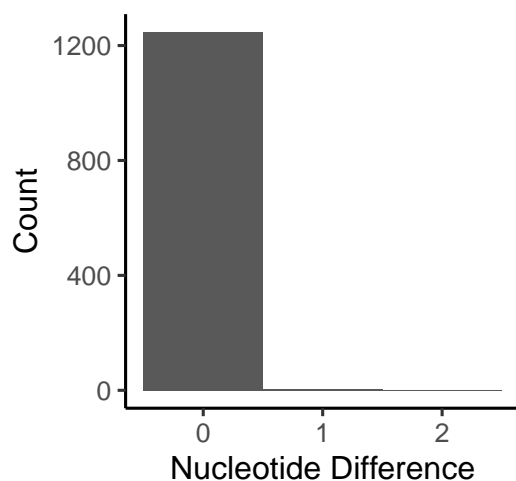
### TRBV12-5\*ap01

1762 sequences assigned  
1754 (99.5%) exact matches, in which:  
1739 unique CDR3  
13 unique J



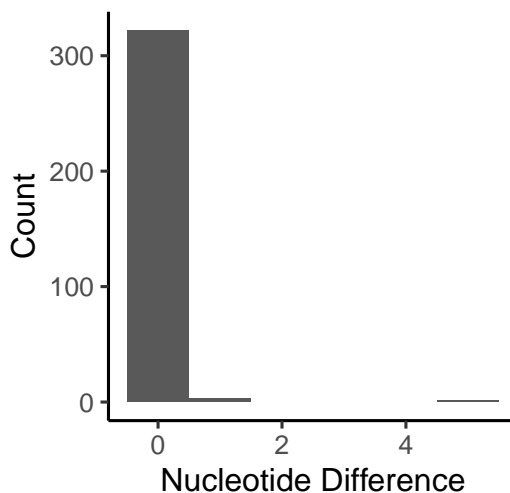
### TRBV11-1\*ap01

1252 sequences assigned  
1247 (99.6%) exact matches, in which:  
1246 unique CDR3  
13 unique J



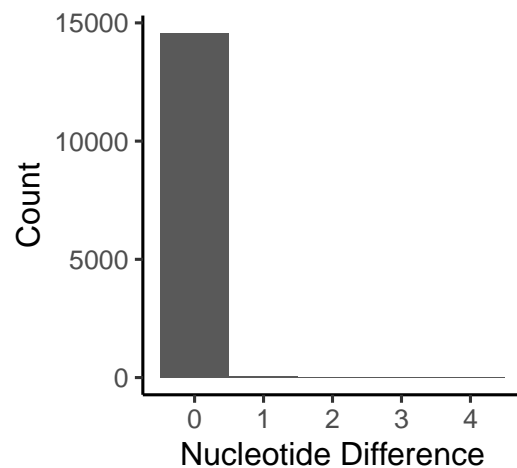
### TRBV12-1\*ap01

326 sequences assigned  
322 (98.8%) exact matches, in which:  
322 unique CDR3  
12 unique J



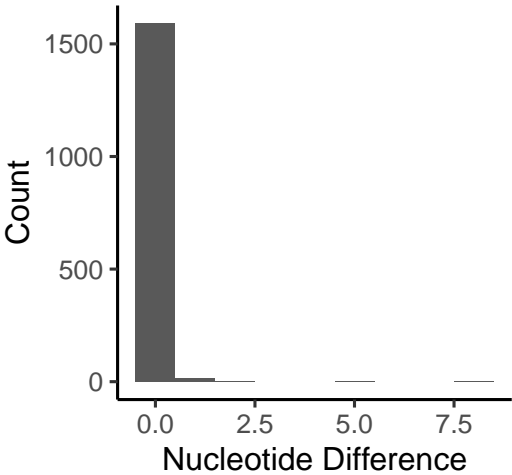
### TRBV12-34\*ap01

14669 sequences assigned  
14581 (99.4%) exact matches, in which:  
14483 unique CDR3  
13 unique J



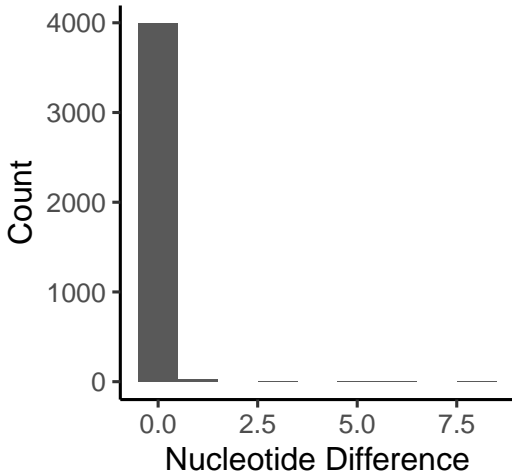
TRBV23-1\*ap01

1609 sequences assigned  
1591 (98.9%) exact matches, in which:  
1586 unique CDR3  
12 unique J



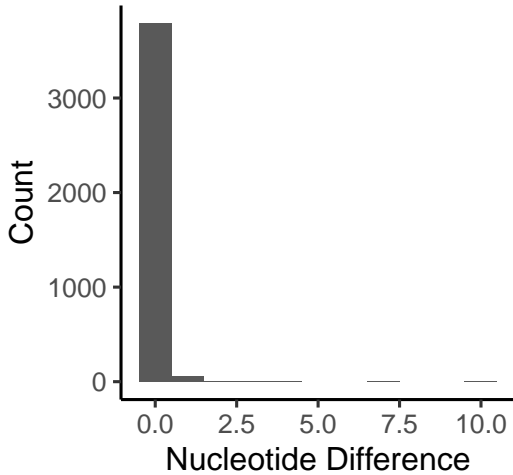
TRBV4-1\*ap01

4025 sequences assigned  
3993 (99.2%) exact matches, in which:  
3965 unique CDR3  
13 unique J



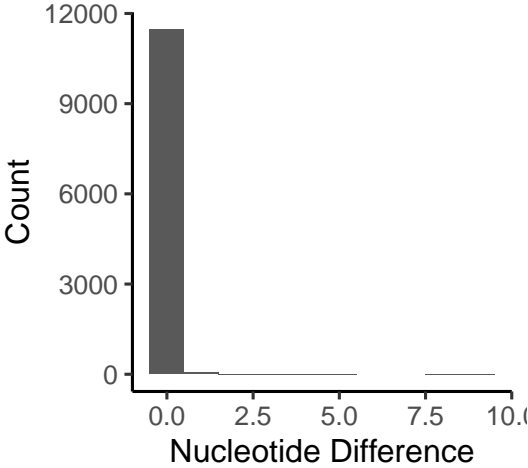
TRBV25-1\*ap01

3852 sequences assigned  
3789 (98.4%) exact matches, in which:  
3737 unique CDR3  
13 unique J



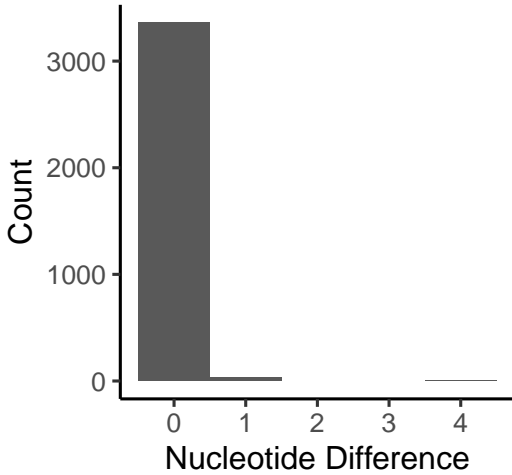
TRBV3-12\*ap01

11526 sequences assigned  
11468 (99.5%) exact matches, in which:  
11435 unique CDR3  
13 unique J



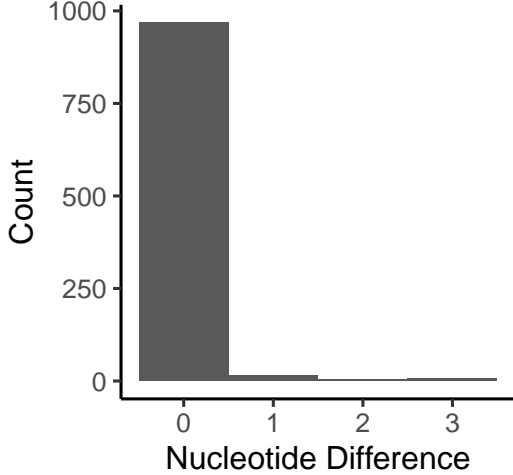
TRBV4-2\*ap01

3395 sequences assigned  
3360 (99%) exact matches, in which:  
3338 unique CDR3  
13 unique J



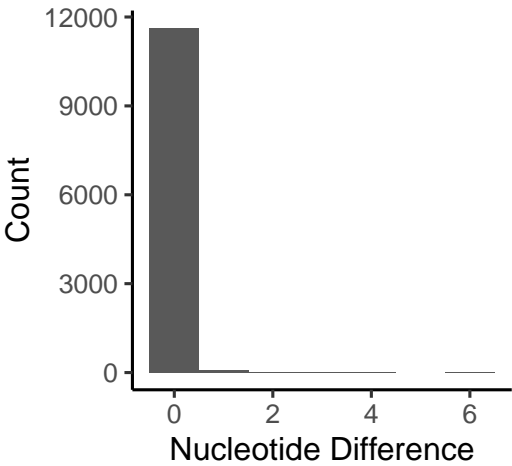
TRBV5-3\*ap01

992 sequences assigned  
968 (97.6%) exact matches, in which:  
962 unique CDR3  
13 unique J



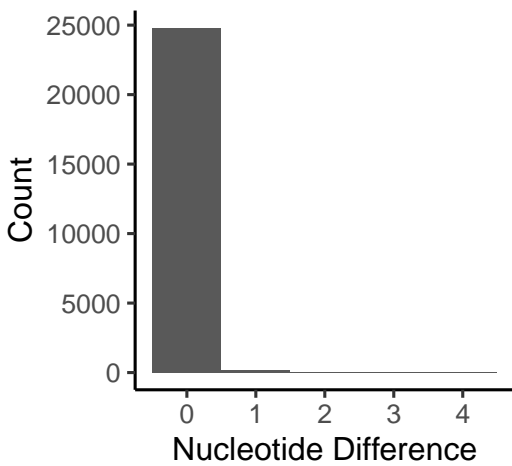
TRBV24-1\*ap01

11743 sequences assigned  
11636 (99.1%) exact matches, in which:  
11545 unique CDR3  
13 unique J



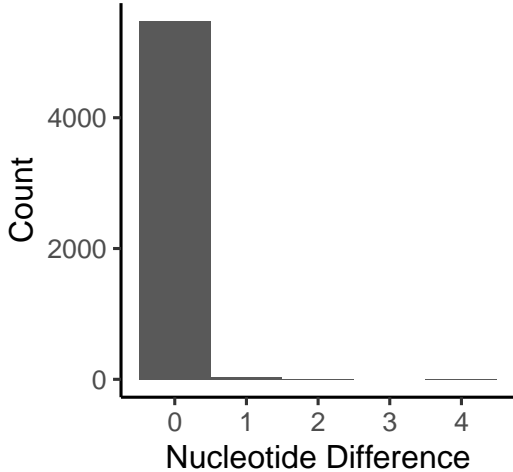
TRBV5-1\*ap01

24996 sequences assigned  
24808 (99.2%) exact matches, in which:  
24666 unique CDR3  
13 unique J



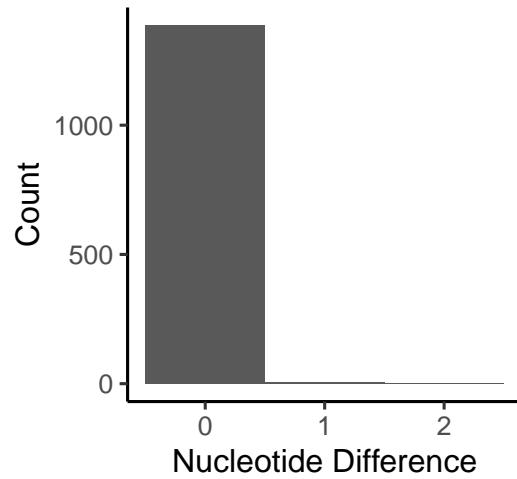
TRBV5-4\*ap01

5520 sequences assigned  
5478 (99.2%) exact matches, in which:  
5443 unique CDR3  
13 unique J



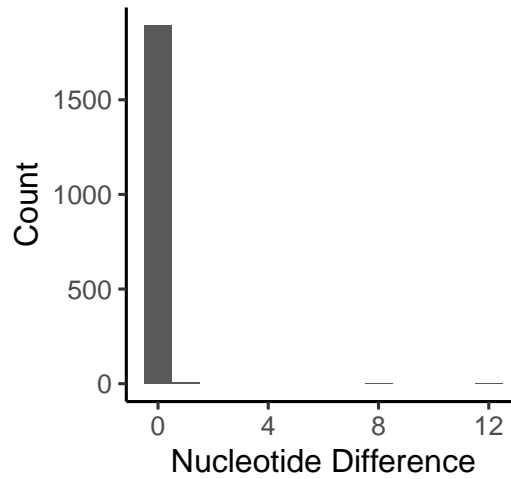
### TRBV5-5\*ap01

1392 sequences assigned  
1386 (99.6%) exact matches, in which:  
1383 unique CDR3  
13 unique J



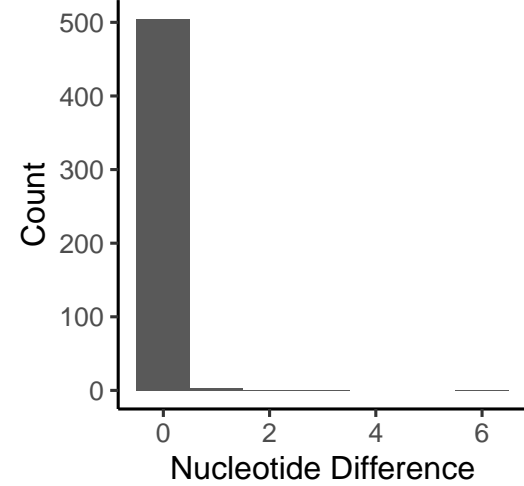
### TRBV5-8\*ap01

1904 sequences assigned  
1893 (99.4%) exact matches, in which:  
1881 unique CDR3  
13 unique J



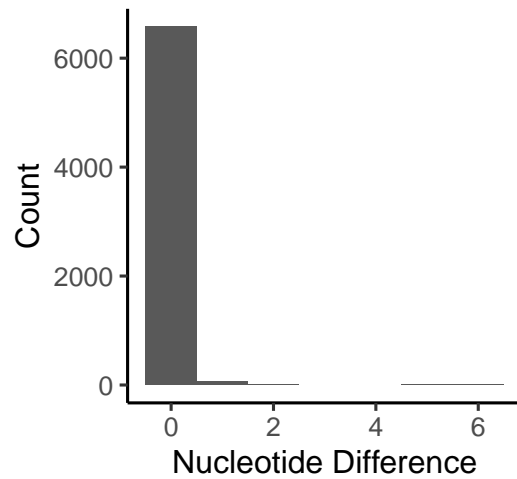
### TRBV6-7\*ap01

511 sequences assigned  
505 (98.8%) exact matches, in which:  
499 unique CDR3  
13 unique J



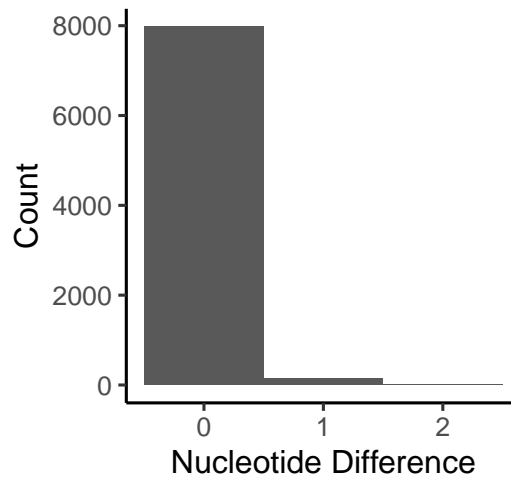
### TRBV5-6\*ap01

6650 sequences assigned  
6577 (98.9%) exact matches, in which:  
6510 unique CDR3  
13 unique J



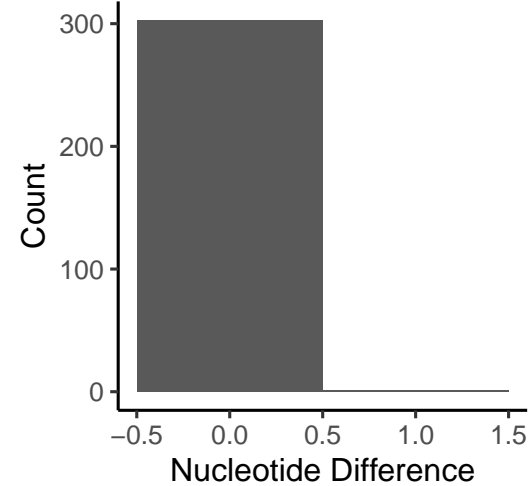
### TRBV6-1\*ap01

8130 sequences assigned  
7977 (98.1%) exact matches, in which:  
7898 unique CDR3  
14 unique J



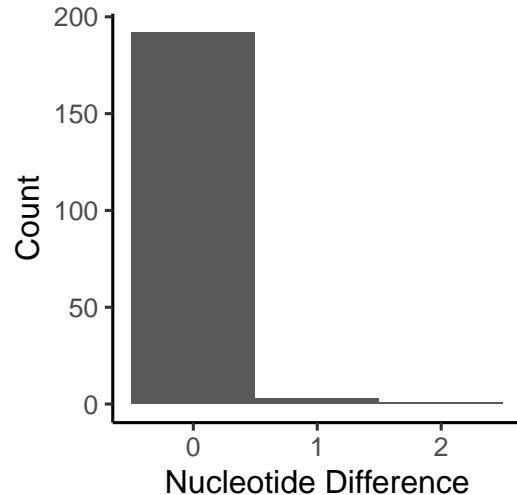
### TRBV6-8\*ap01

304 sequences assigned  
303 (99.7%) exact matches, in which:  
299 unique CDR3  
13 unique J



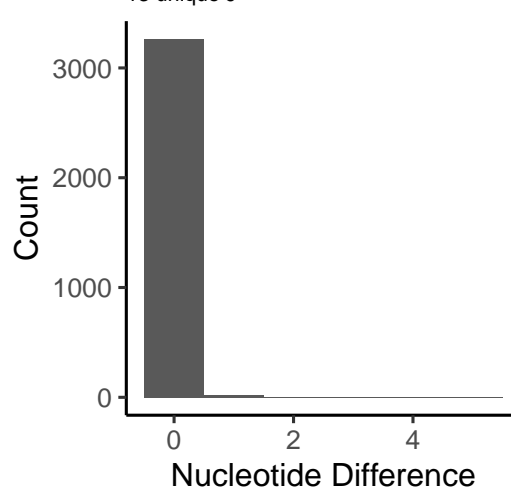
### TRBV5-7\*ap01

196 sequences assigned  
192 (98%) exact matches, in which:  
184 unique CDR3  
12 unique J



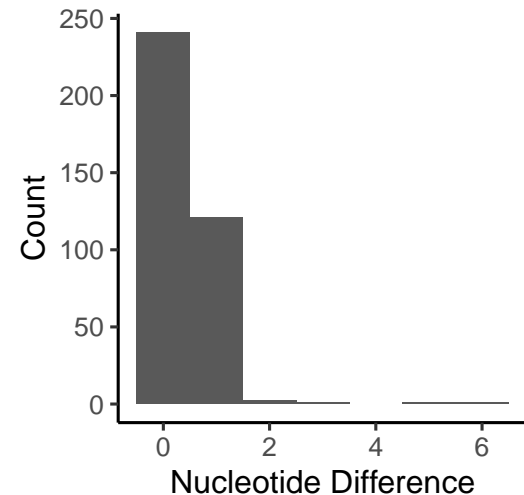
### TRBV6-4\*ap01

3296 sequences assigned  
3263 (99%) exact matches, in which:  
3249 unique CDR3  
13 unique J



### TRBV6-9\*ap01

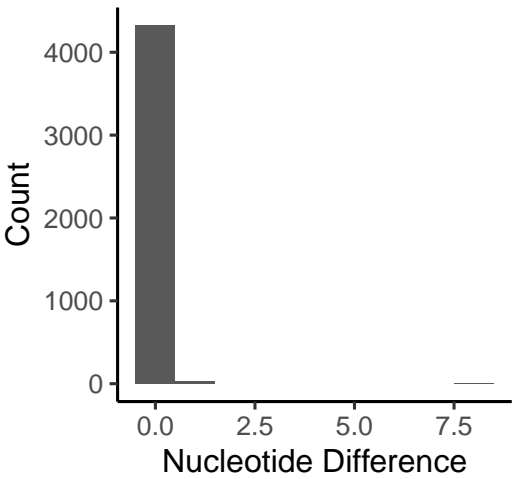
367 sequences assigned  
241 (65.7%) exact matches, in which:  
237 unique CDR3  
13 unique J





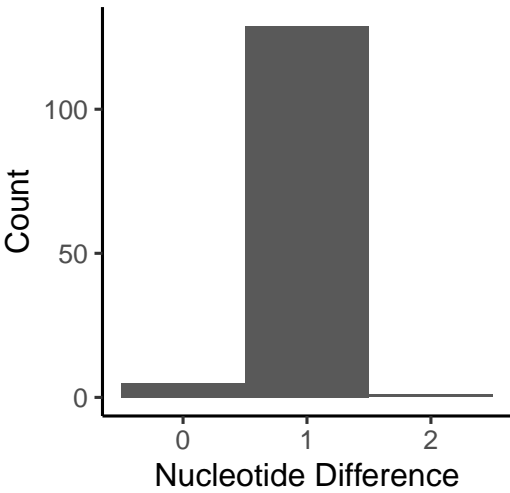
TRBV6-23\*ap01

4358 sequences assigned  
4324 (99.2%) exact matches, in which:  
4240 unique CDR3  
13 unique J



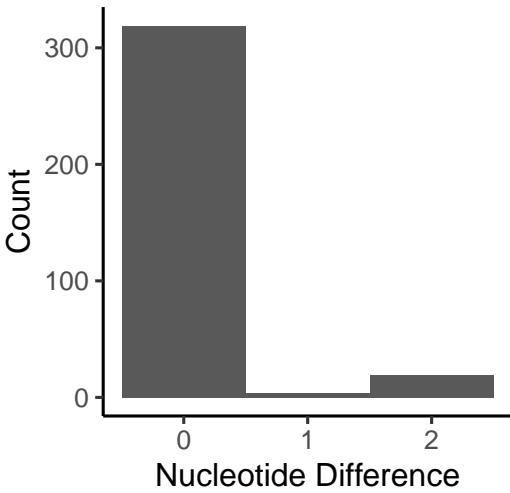
TRBV7-1\*ap01\_T296C

135 sequences assigned  
5 (3.7%) exact matches, in which:  
5 unique CDR3  
4 unique J



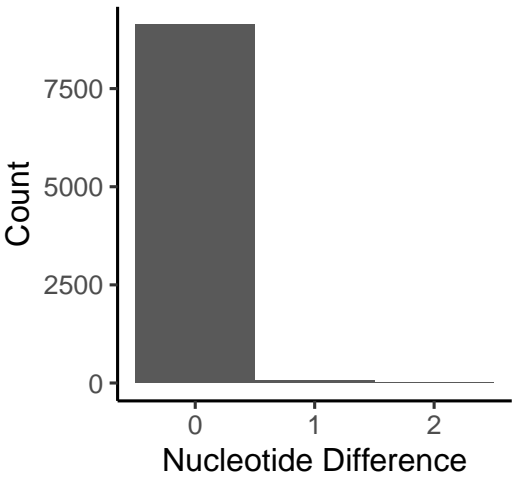
TRBV7-4\*ap01

342 sequences assigned  
319 (93.3%) exact matches, in which:  
318 unique CDR3  
13 unique J



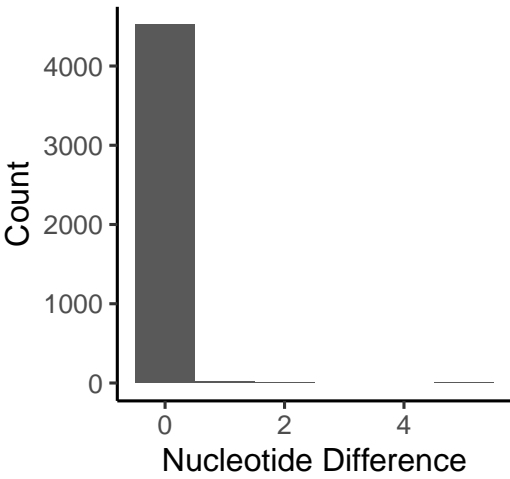
TRBV6-56\*ap01

9198 sequences assigned  
9127 (99.2%) exact matches, in which:  
9011 unique CDR3  
13 unique J



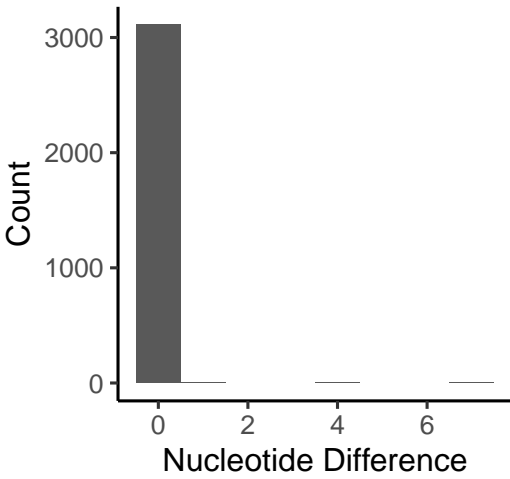
TRBV7-2\*ap01

4542 sequences assigned  
4521 (99.5%) exact matches, in which:  
4504 unique CDR3  
13 unique J



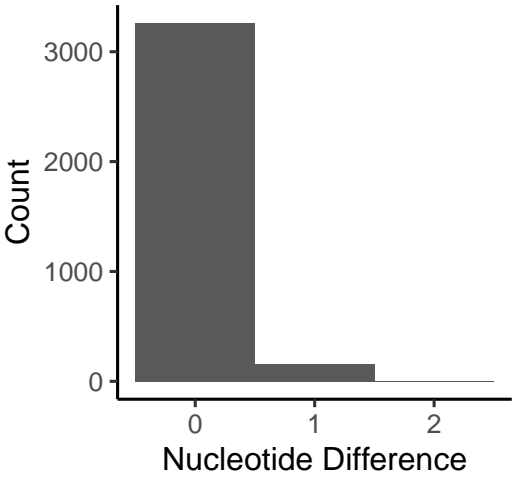
TRBV7-6\*ap01

3121 sequences assigned  
3111 (99.7%) exact matches, in which:  
3092 unique CDR3  
13 unique J



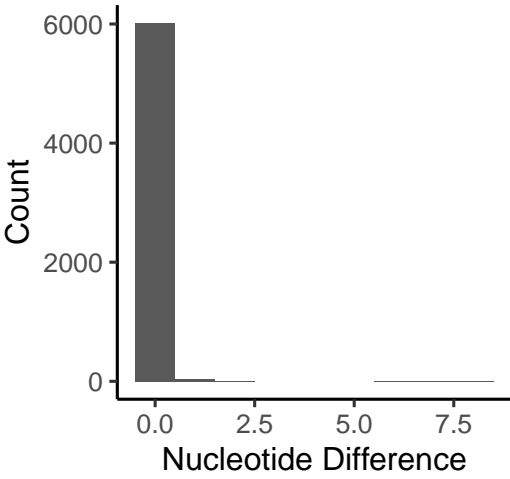
TRBV6-56\*ap02

3417 sequences assigned  
3261 (95.4%) exact matches, in which:  
3222 unique CDR3  
13 unique J



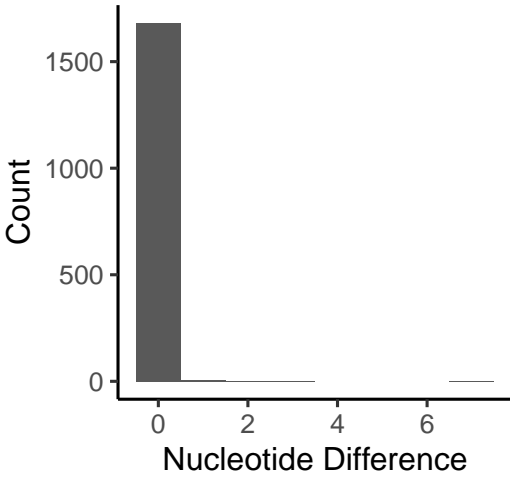
TRBV7-3\*ap01

6061 sequences assigned  
6016 (99.3%) exact matches, in which:  
6001 unique CDR3  
13 unique J



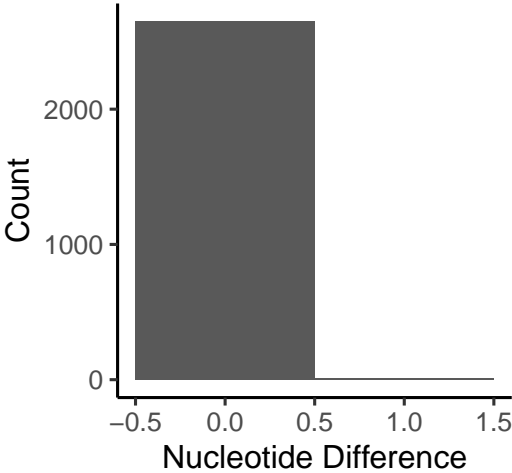
TRBV7-7\*ap01\_C315T

1690 sequences assigned  
1681 (99.5%) exact matches, in which:  
1675 unique CDR3  
13 unique J



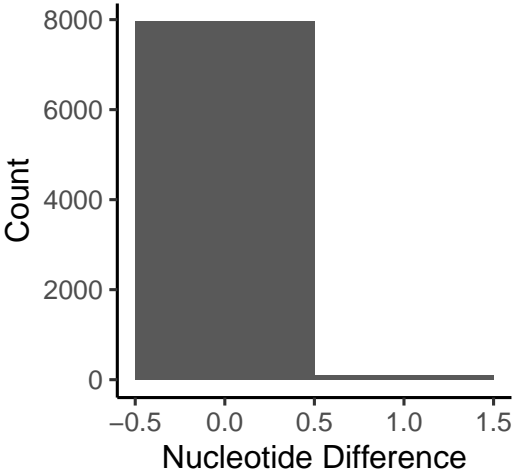
TRBV7-8\*ap01

2659 sequences assigned  
2649 (99.6%) exact matches, in which:  
2633 unique CDR3  
13 unique J



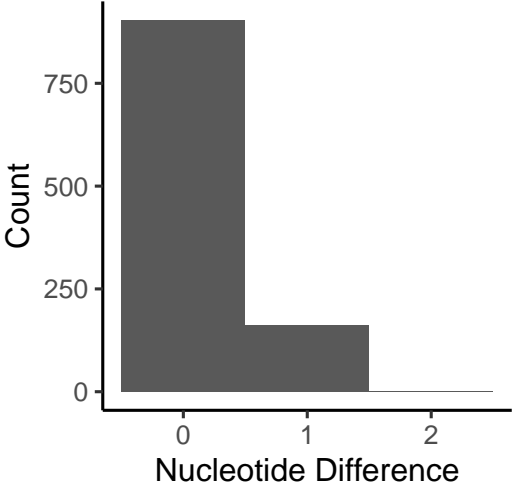
TRBV29-1\*ap01

8057 sequences assigned  
7960 (98.8%) exact matches, in which:  
7853 unique CDR3  
13 unique J



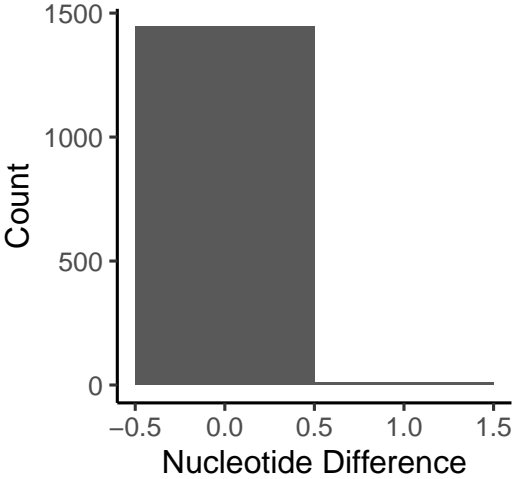
TRBV7-8\*ap03

1068 sequences assigned  
904 (84.6%) exact matches, in which:  
894 unique CDR3  
13 unique J



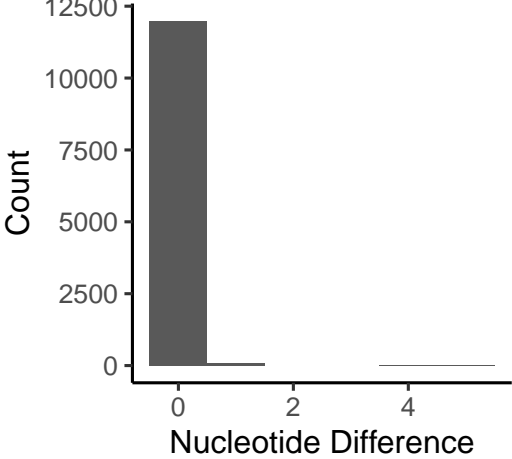
TRBV29-1\*ap02

1457 sequences assigned  
1445 (99.2%) exact matches, in which:  
1428 unique CDR3  
13 unique J

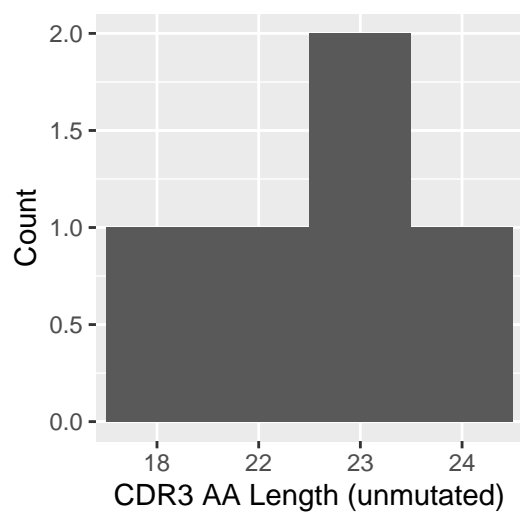


TRBV7-9\*ap01

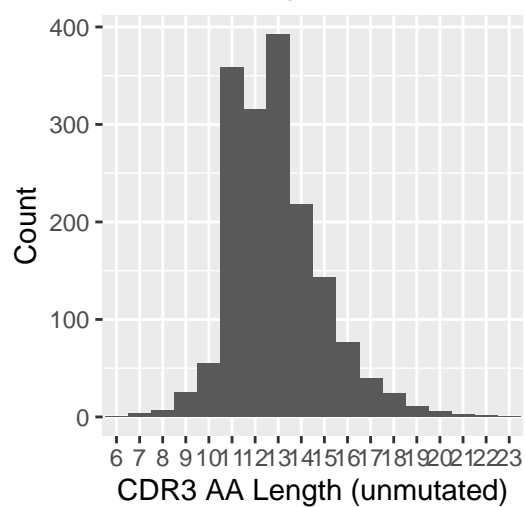
12068 sequences assigned  
11992 (99.4%) exact matches, in which:  
11933 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]