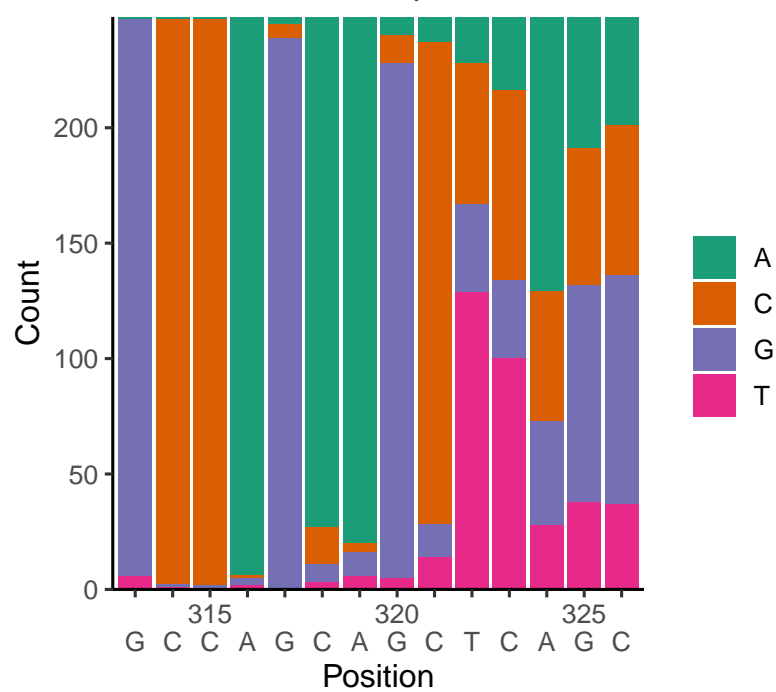
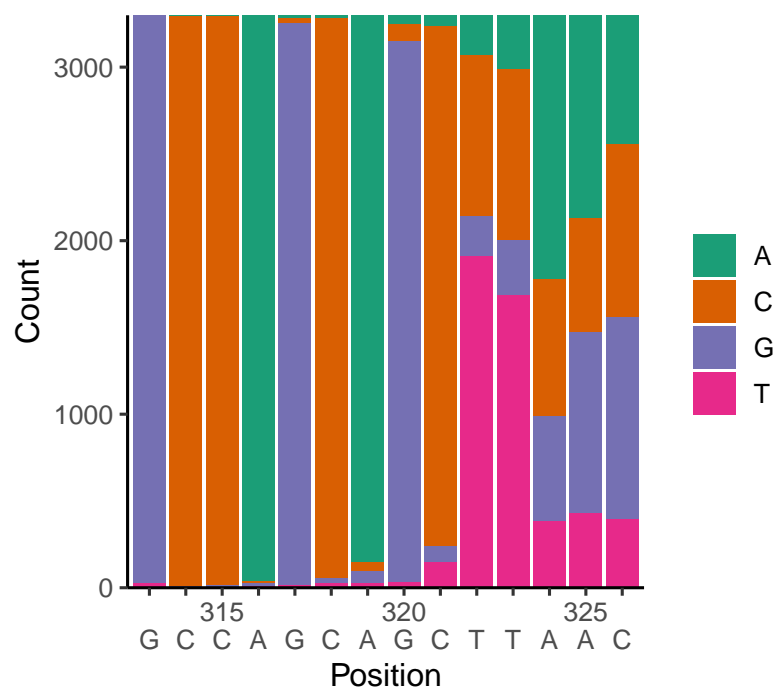


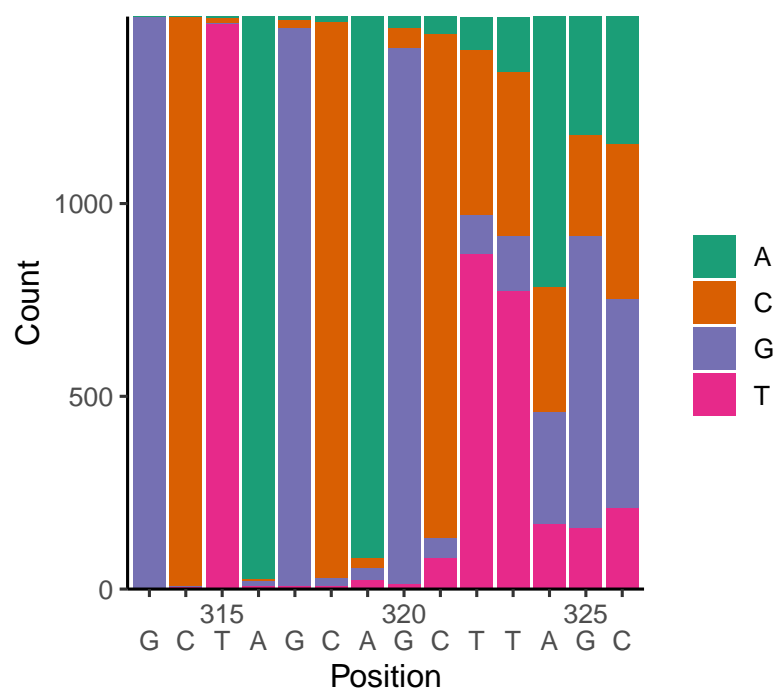
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-3\*ap01\_G301A



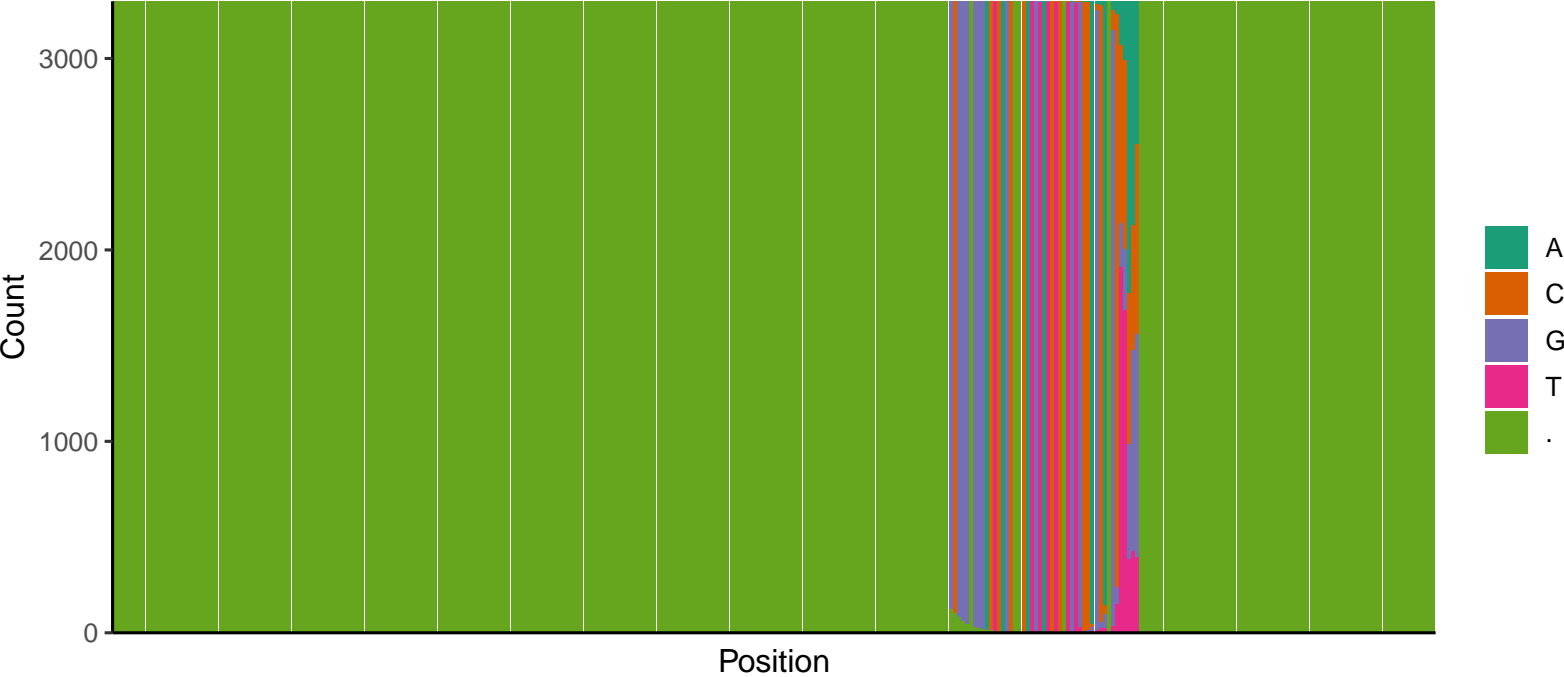
Gene TRBV7-7\*ap01\_C315T



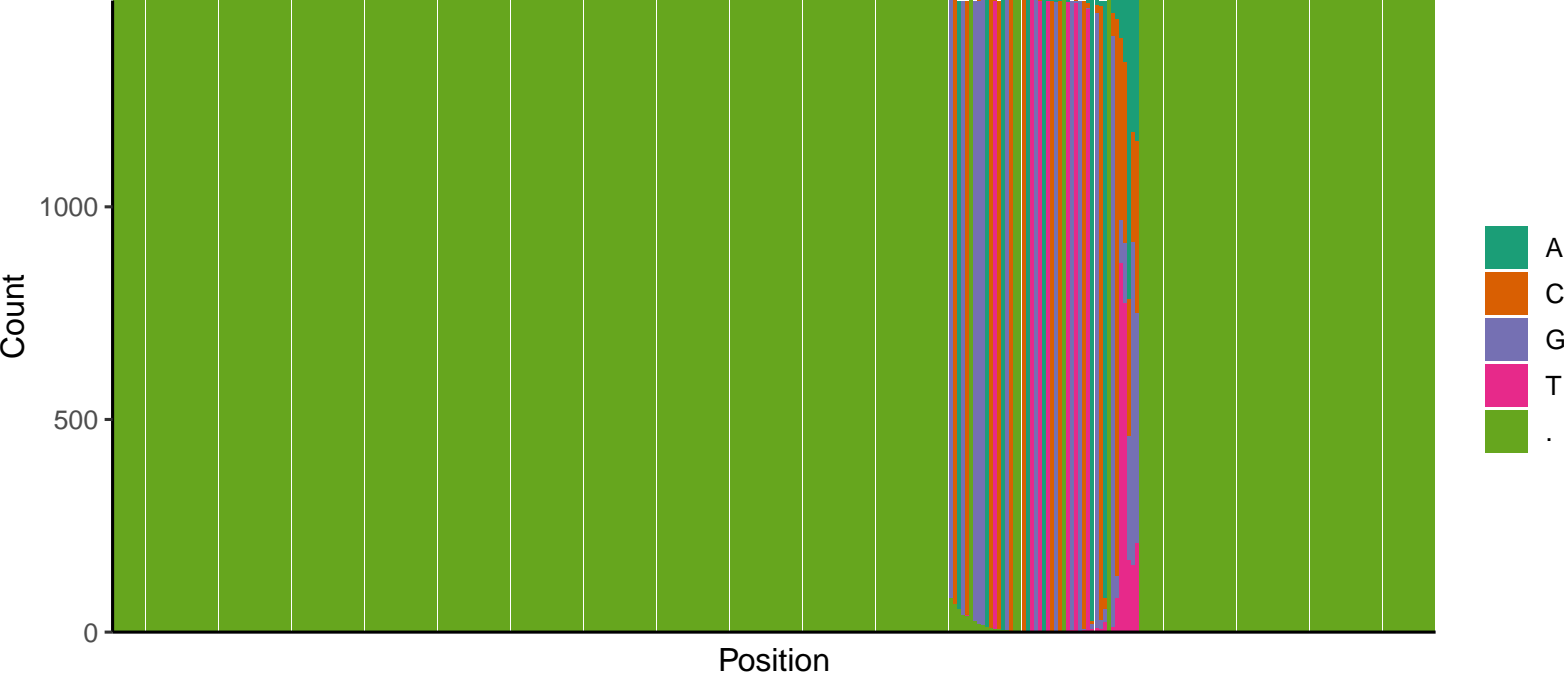
Gene TRBV7-1\*ap01\_G291C\_T296C



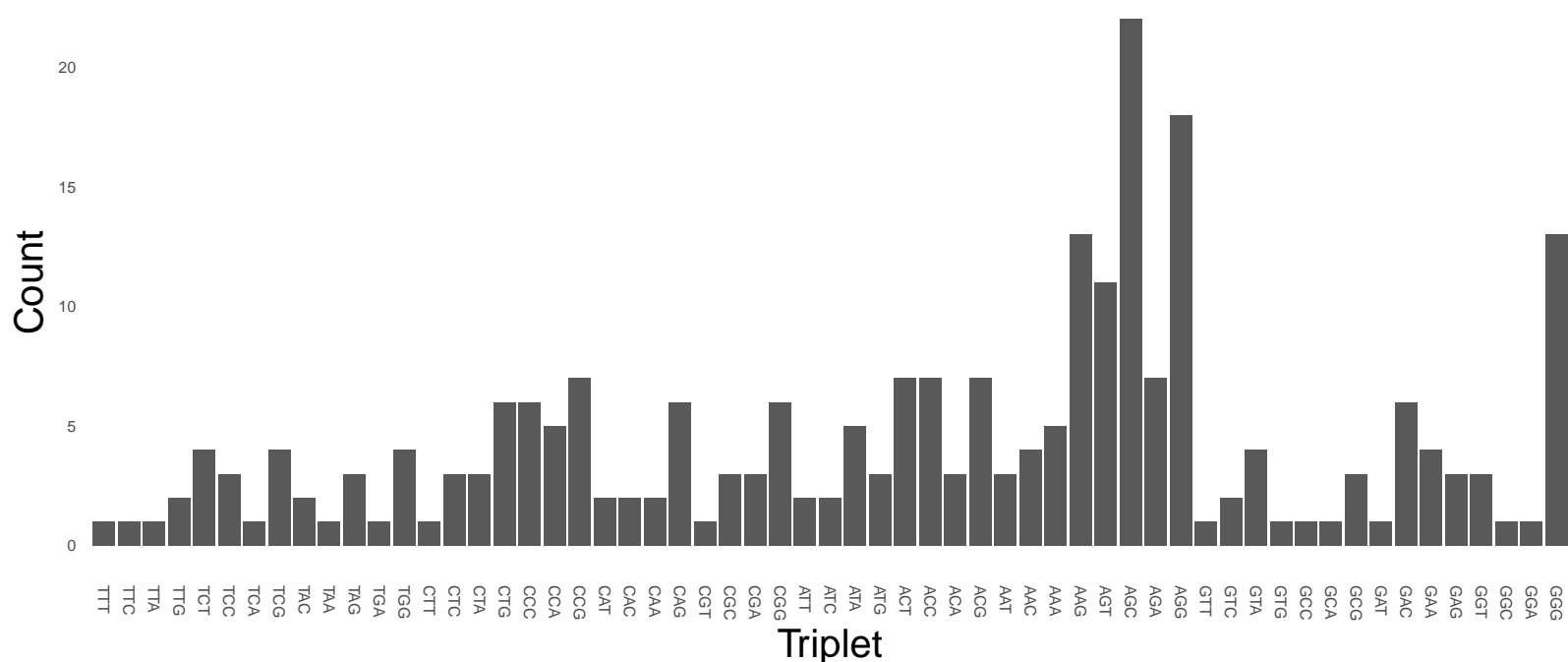
Gene TRBV7-3\*ap01\_G301A



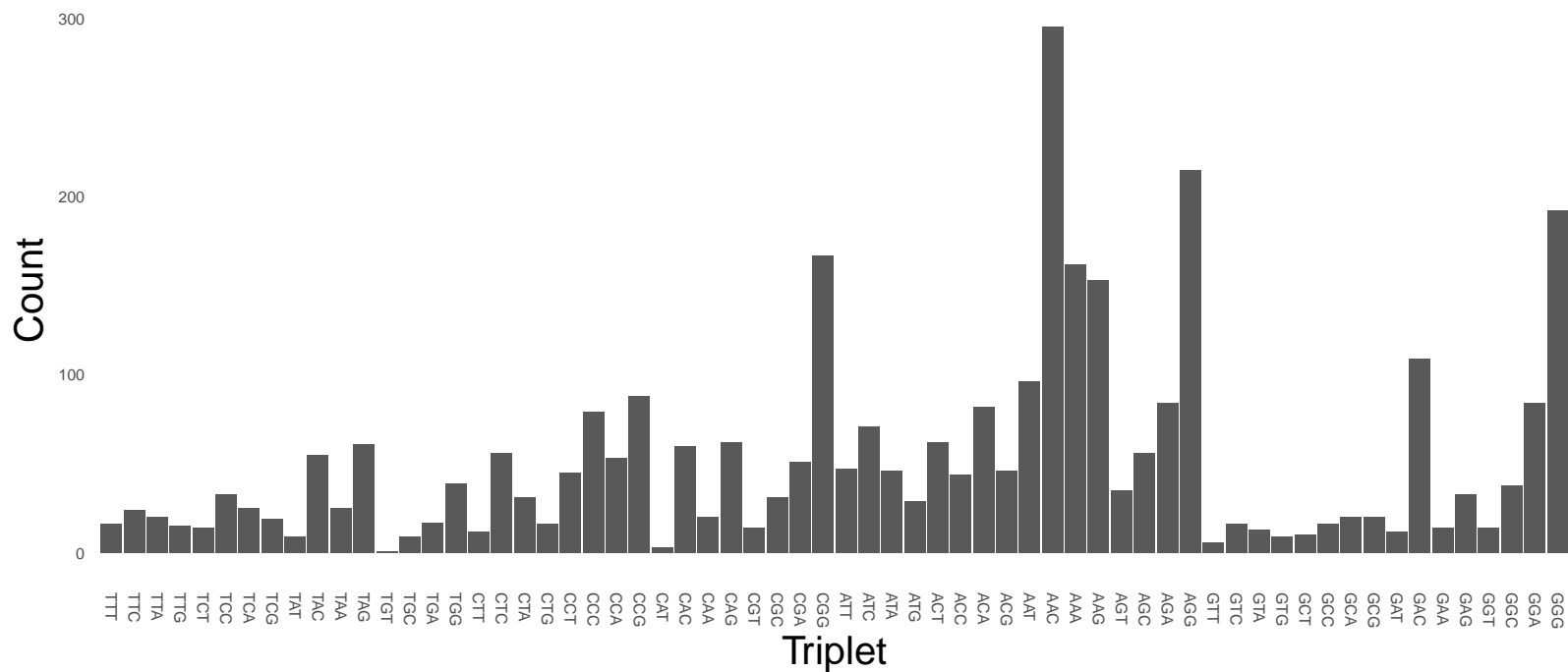
Gene TRBV7-7\*ap01\_C315T



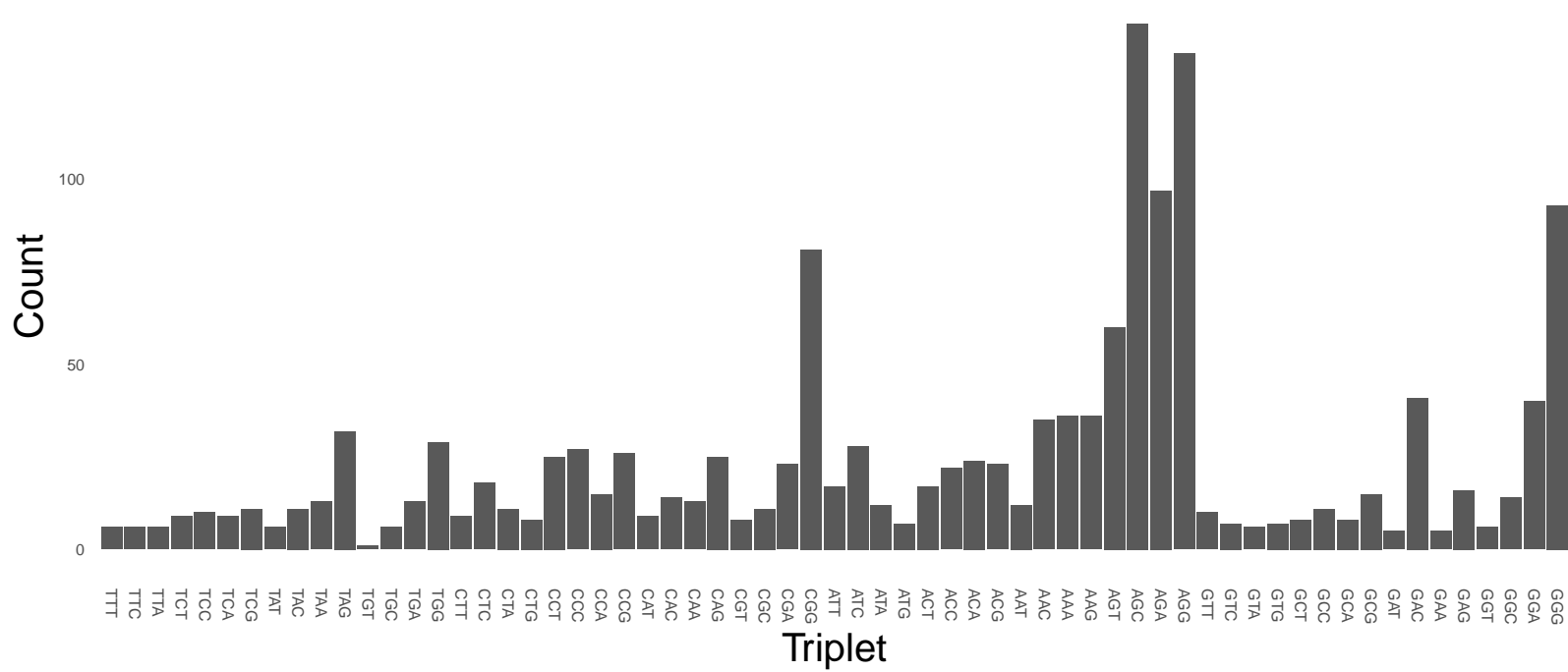
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



TRBV7-3\*ap01\_G301A- Final 3 nucleotides as a triplet

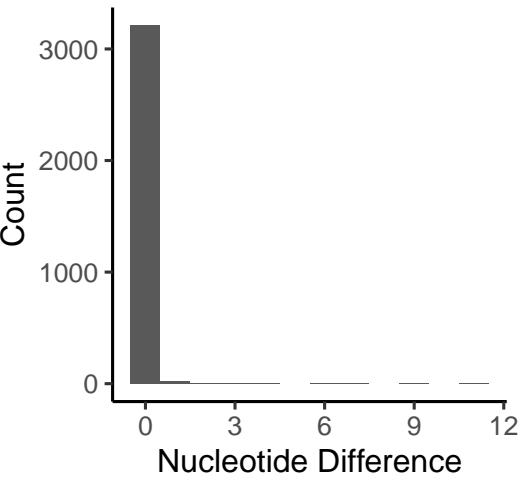


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



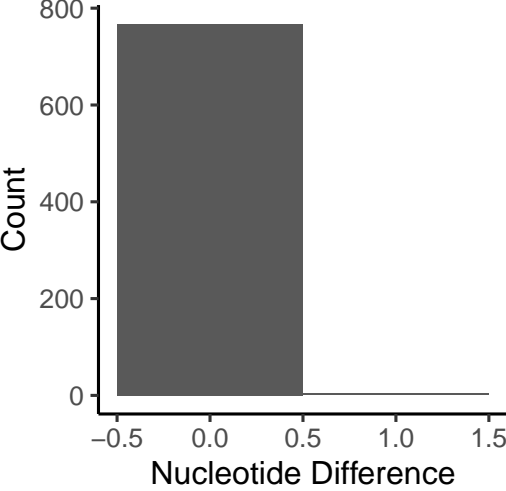
TRBV10-1\*ap01

3245 sequences assigned  
3211 (99%) exact matches, in which:  
3151 unique CDR3  
13 unique J



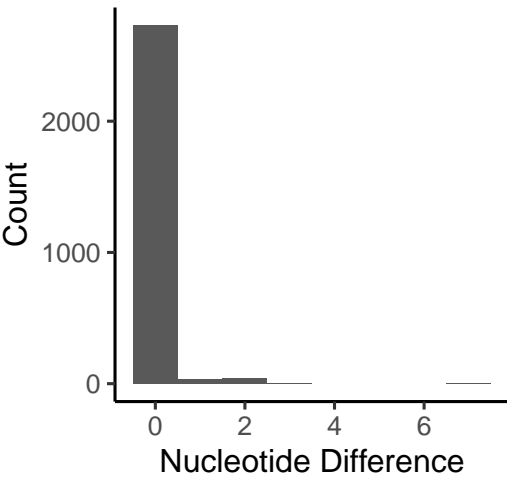
TRBV10-2\*ap01

772 sequences assigned  
768 (99.5%) exact matches, in which:  
754 unique CDR3  
13 unique J



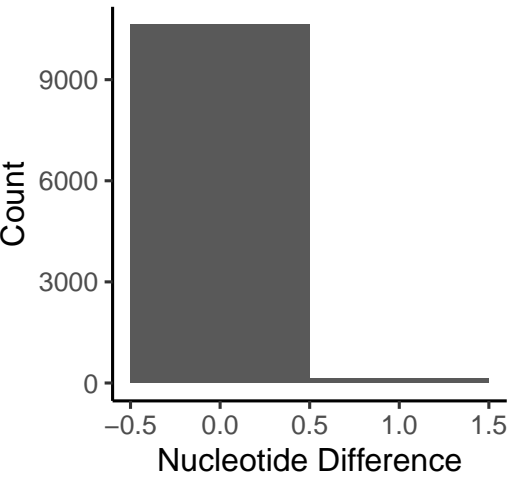
TRBV13\*ap01

2809 sequences assigned  
2730 (97.2%) exact matches, in which:  
2669 unique CDR3  
13 unique J



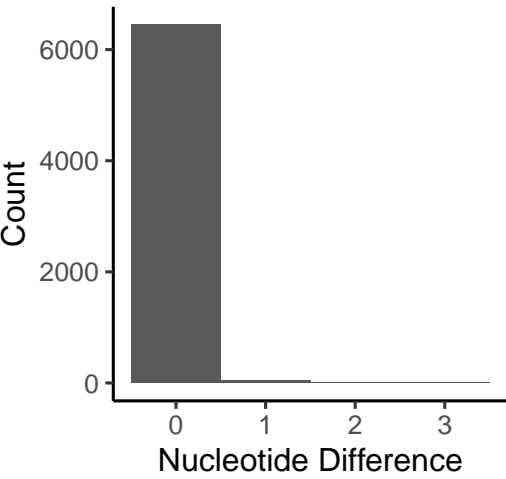
TRBV20-1\*ap01

10753 sequences assigned  
10630 (98.9%) exact matches, in which:  
10472 unique CDR3  
13 unique J



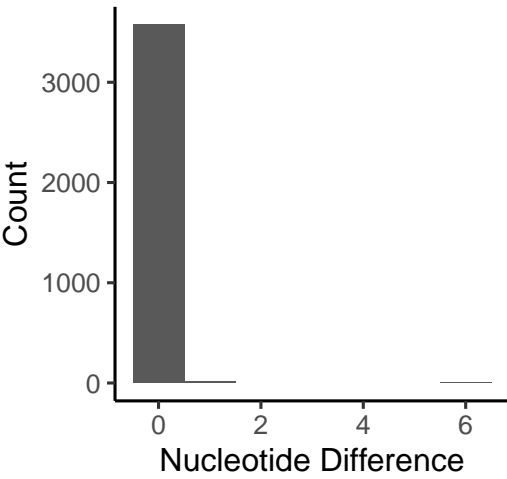
TRBV10-3\*ap01

6508 sequences assigned  
6448 (99.1%) exact matches, in which:  
6325 unique CDR3  
13 unique J



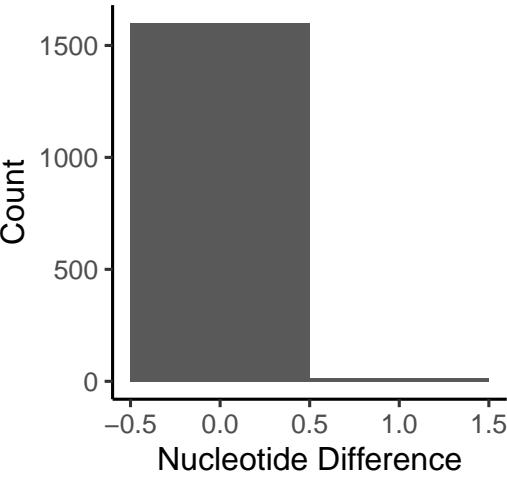
TRBV14\*ap01

3590 sequences assigned  
3574 (99.6%) exact matches, in which:  
3530 unique CDR3  
13 unique J



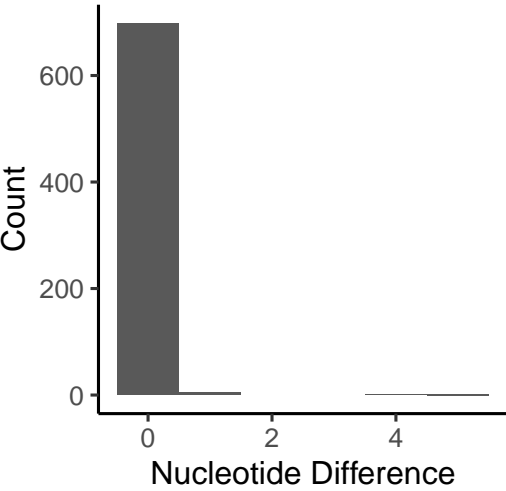
TRBV20-1\*ap02

1615 sequences assigned  
1600 (99.1%) exact matches, in which:  
1571 unique CDR3  
13 unique J



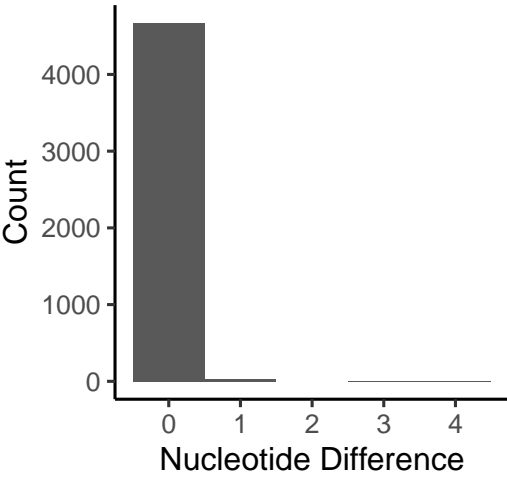
TRBV1\*ap01

706 sequences assigned  
698 (98.9%) exact matches, in which:  
683 unique CDR3  
13 unique J



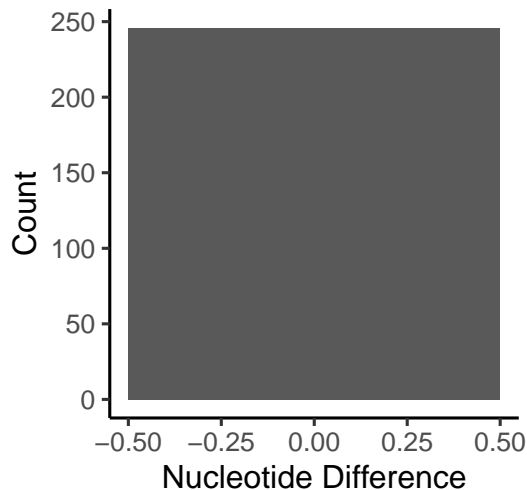
TRBV15\*ap02

4702 sequences assigned  
4670 (99.3%) exact matches, in which:  
4570 unique CDR3  
13 unique J



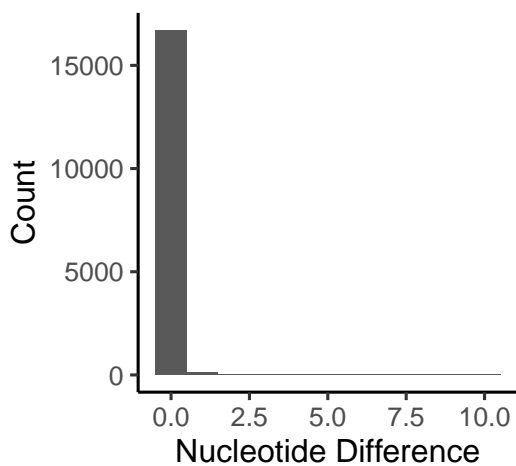
### TRBV16\*ap01

246 sequences assigned  
246 (100%) exact matches, in which:  
245 unique CDR3  
13 unique J



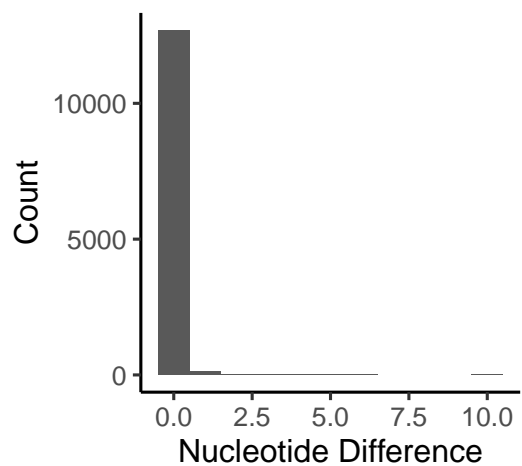
### TRBV19\*ap01

16847 sequences assigned  
16706 (99.2%) exact matches, in which:  
16592 unique CDR3  
13 unique J



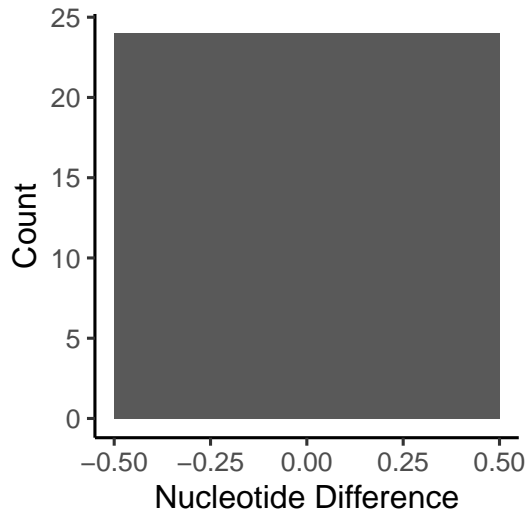
### TRBV27\*ap01

12855 sequences assigned  
12695 (98.8%) exact matches, in which:  
12425 unique CDR3  
13 unique J



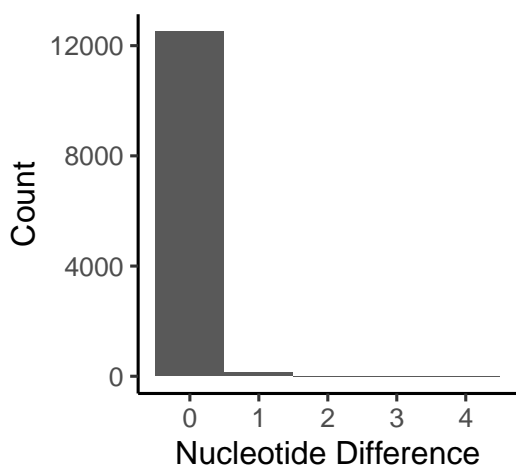
### TRBV17\*ap01

24 sequences assigned  
24 (100%) exact matches, in which:  
23 unique CDR3  
9 unique J



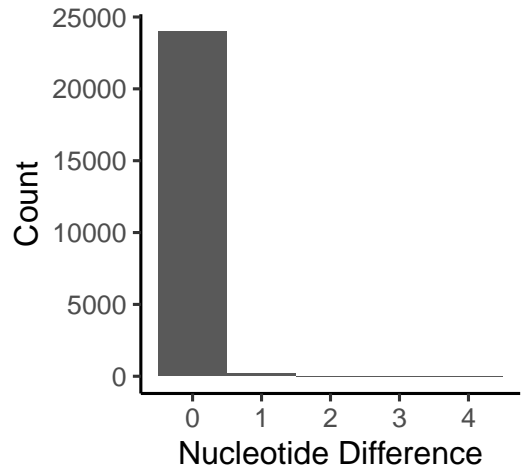
### TRBV2\*ap01

12669 sequences assigned  
12515 (98.8%) exact matches, in which:  
12261 unique CDR3  
13 unique J



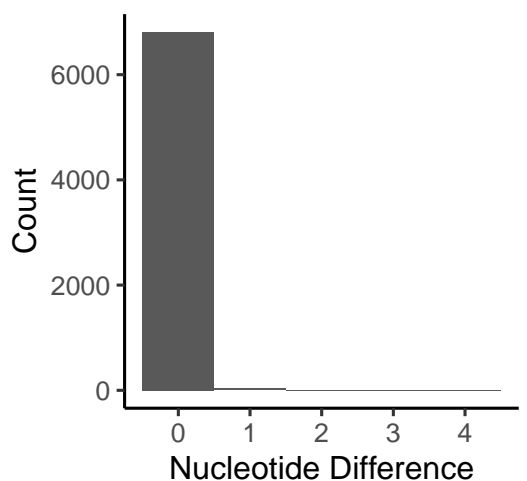
### TRBV28\*ap01

24184 sequences assigned  
23993 (99.2%) exact matches, in which:  
23755 unique CDR3  
13 unique J



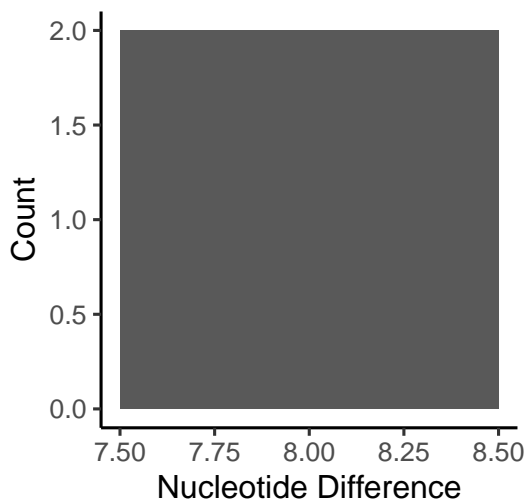
### TRBV18\*ap01

6845 sequences assigned  
6810 (99.5%) exact matches, in which:  
6756 unique CDR3  
13 unique J



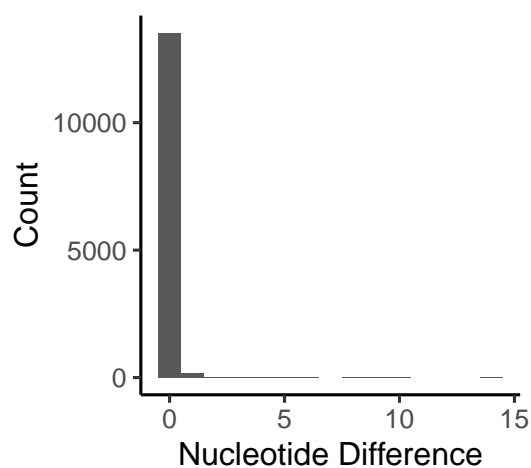
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



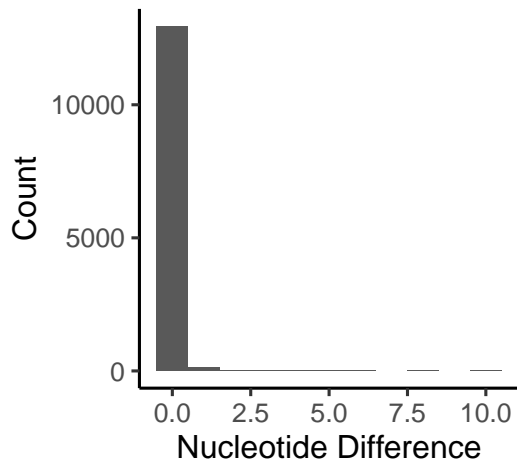
### TRBV30\*ap01

13736 sequences assigned  
13526 (98.5%) exact matches, in which:  
13344 unique CDR3  
13 unique J



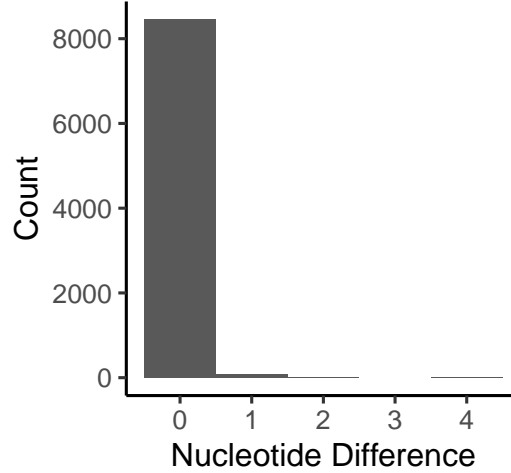
### TRBV9\*ap01

13083 sequences assigned  
12954 (99%) exact matches, in which:  
12780 unique CDR3  
13 unique J



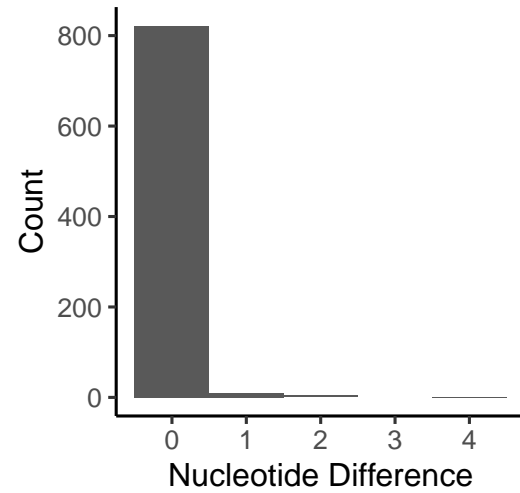
### TRBV11-2\*ap01

8537 sequences assigned  
8455 (99%) exact matches, in which:  
8332 unique CDR3  
13 unique J



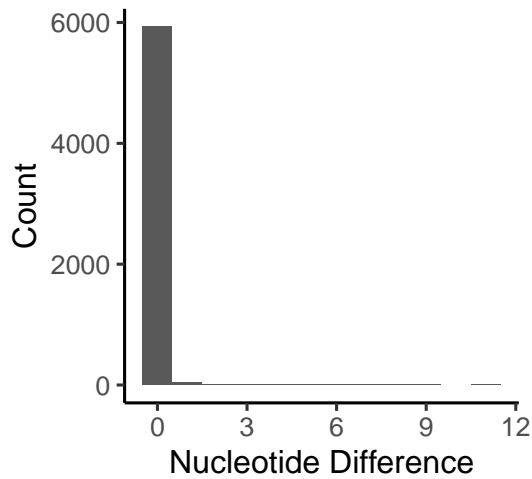
### TRBV12-2\*ap01

837 sequences assigned  
822 (98.2%) exact matches, in which:  
807 unique CDR3  
13 unique J



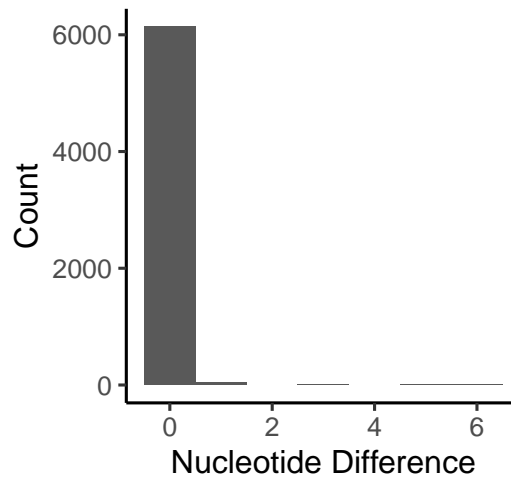
### TRBV21-1\*ap01

6001 sequences assigned  
5930 (98.8%) exact matches, in which:  
5878 unique CDR3  
13 unique J



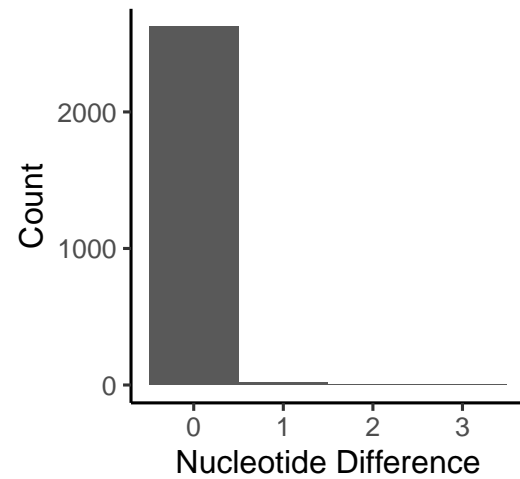
### TRBV11-3\*ap01

6184 sequences assigned  
6138 (99.3%) exact matches, in which:  
6049 unique CDR3  
14 unique J



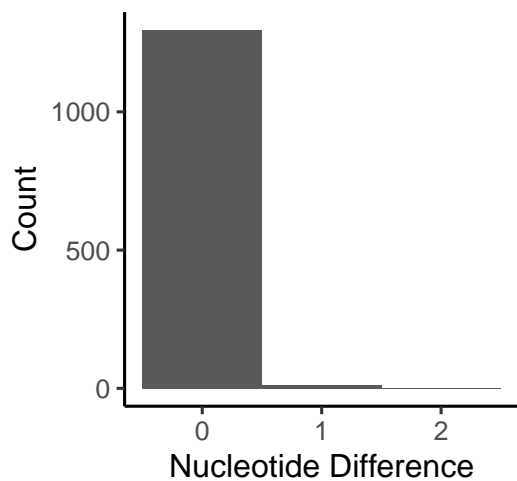
### TRBV12-5\*ap01

2649 sequences assigned  
2624 (99.1%) exact matches, in which:  
2579 unique CDR3  
13 unique J



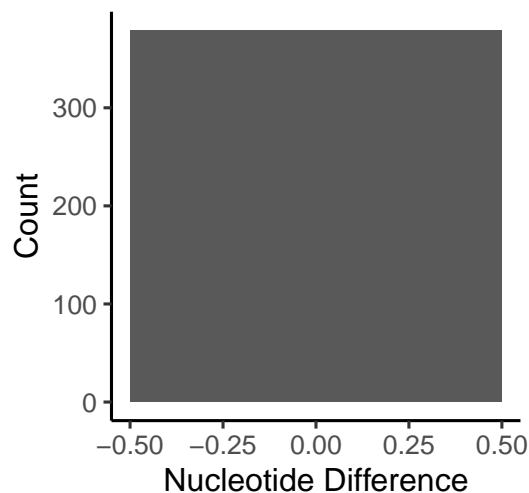
### TRBV11-1\*ap01

1309 sequences assigned  
1296 (99%) exact matches, in which:  
1277 unique CDR3  
13 unique J



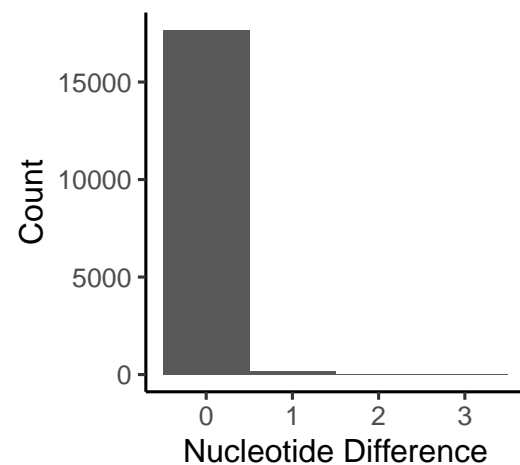
### TRBV12-1\*ap01

379 sequences assigned  
379 (100%) exact matches, in which:  
372 unique CDR3  
13 unique J



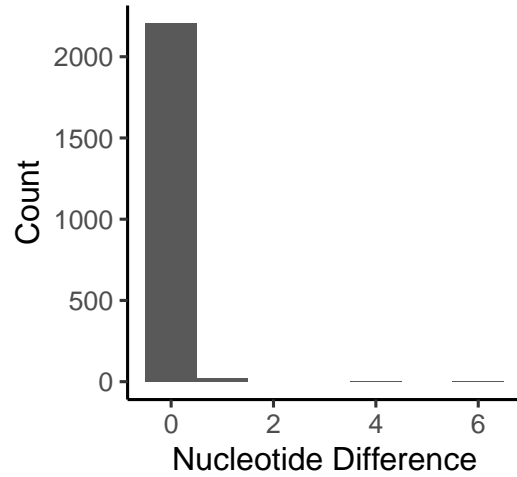
### TRBV12-34\*ap01

17863 sequences assigned  
17679 (99%) exact matches, in which:  
17412 unique CDR3  
13 unique J



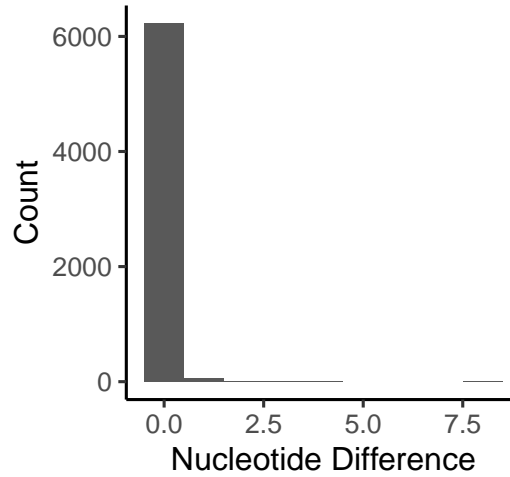
### TRBV23-1\*ap01

2228 sequences assigned  
2205 (99%) exact matches, in which:  
2173 unique CDR3  
13 unique J



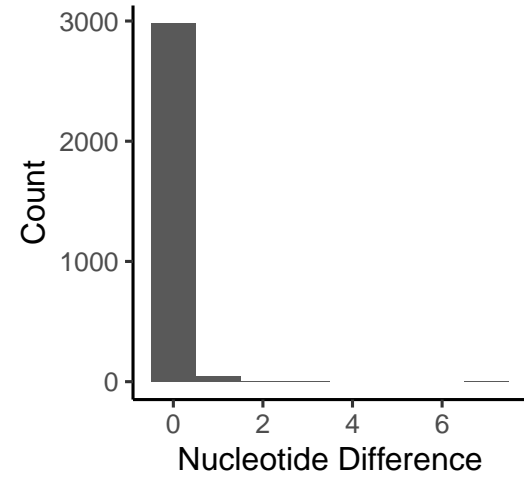
### TRBV24-1\*ap01

6292 sequences assigned  
6226 (99%) exact matches, in which:  
6139 unique CDR3  
13 unique J



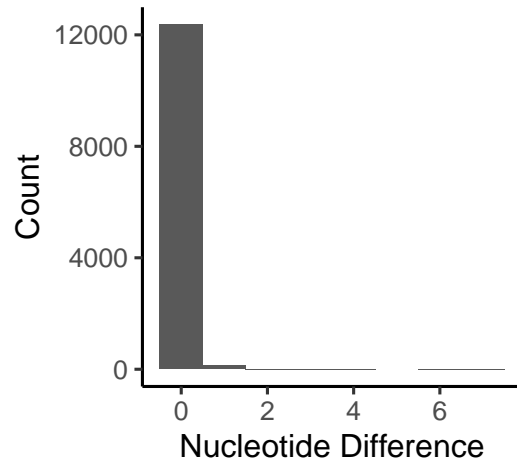
### TRBV25-1\*ap01

3033 sequences assigned  
2980 (98.3%) exact matches, in which:  
2942 unique CDR3  
13 unique J



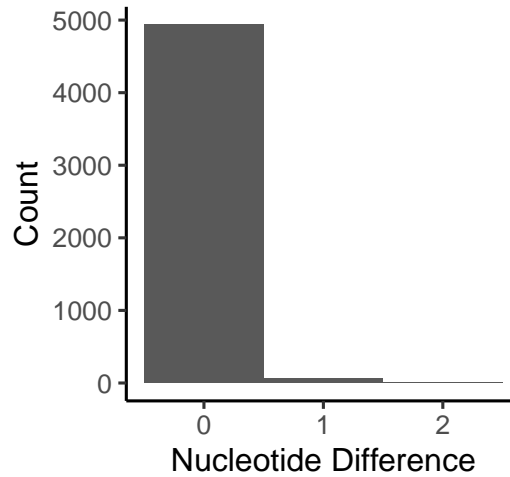
### TRBV3-12\*ap01

12513 sequences assigned  
12372 (98.9%) exact matches, in which:  
12138 unique CDR3  
13 unique J



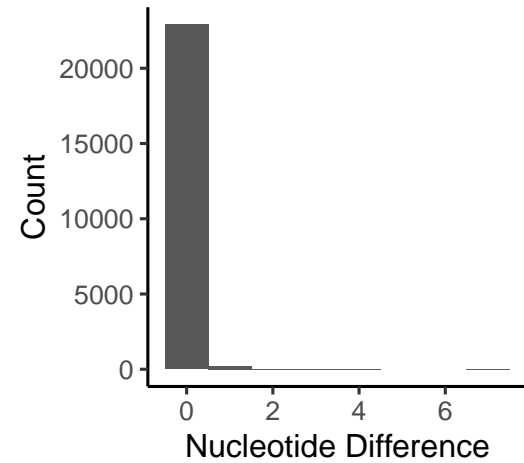
### TRBV4-2\*ap01

5000 sequences assigned  
4936 (98.7%) exact matches, in which:  
4861 unique CDR3  
13 unique J



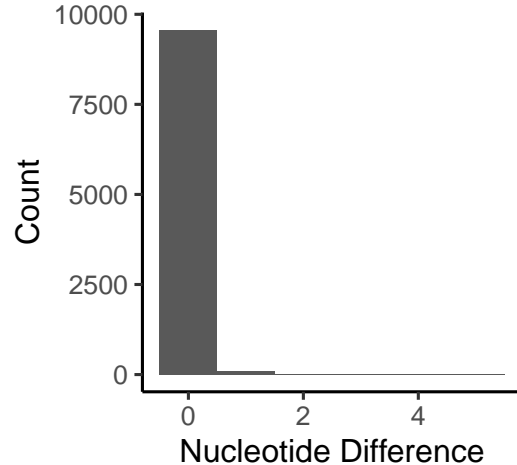
### TRBV5-1\*ap01

23136 sequences assigned  
22907 (99%) exact matches, in which:  
22469 unique CDR3  
13 unique J



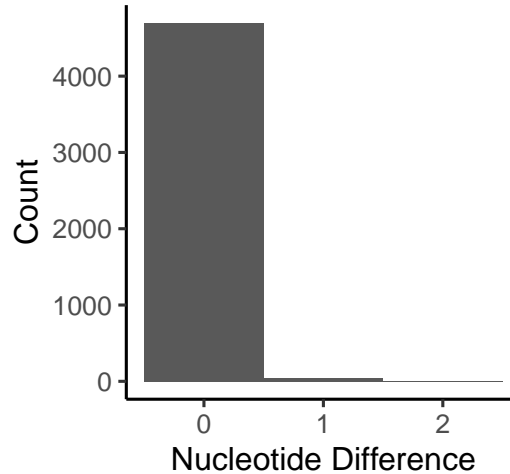
### TRBV4-1\*ap01

9687 sequences assigned  
9570 (98.8%) exact matches, in which:  
9398 unique CDR3  
13 unique J



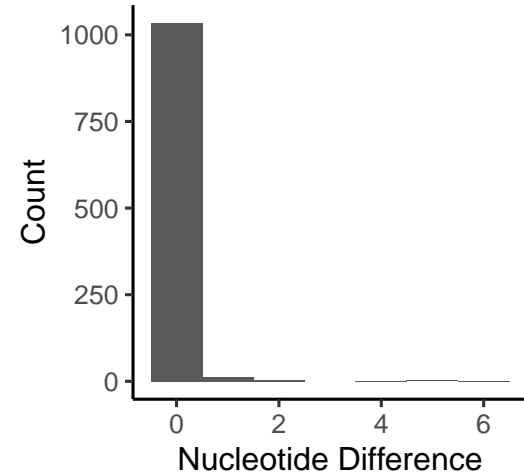
### TRBV4-3\*ap01

4743 sequences assigned  
4696 (99%) exact matches, in which:  
4599 unique CDR3  
13 unique J



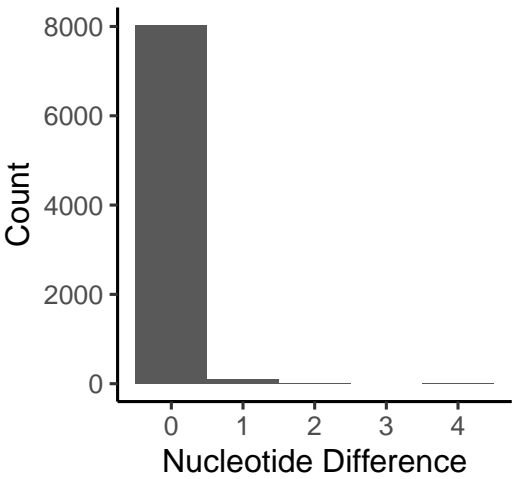
### TRBV5-3\*ap01

1054 sequences assigned  
1034 (98.1%) exact matches, in which:  
1021 unique CDR3  
13 unique J



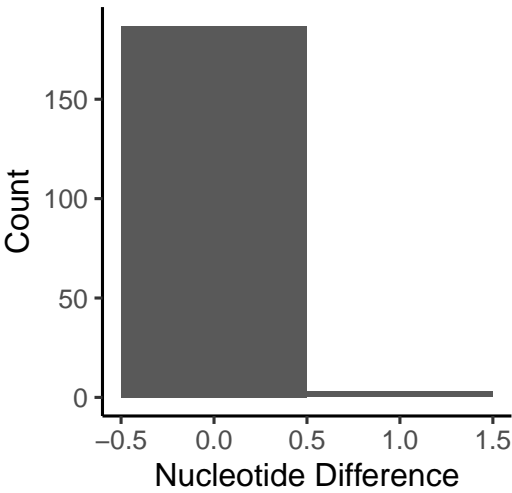
TRBV5-4\*ap01

8140 sequences assigned  
8024 (98.6%) exact matches, in which:  
7883 unique CDR3  
13 unique J



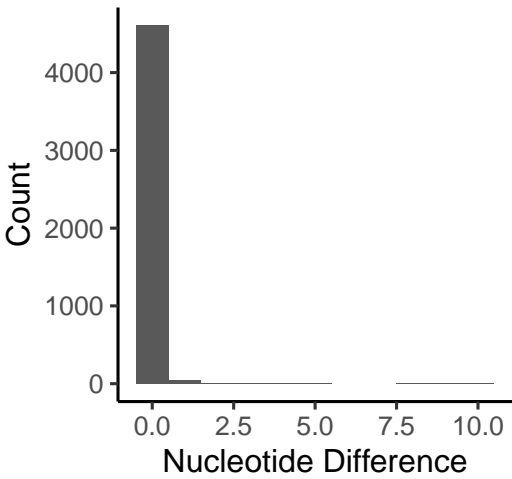
TRBV5-7\*ap01

190 sequences assigned  
187 (98.4%) exact matches, in which:  
183 unique CDR3  
13 unique J



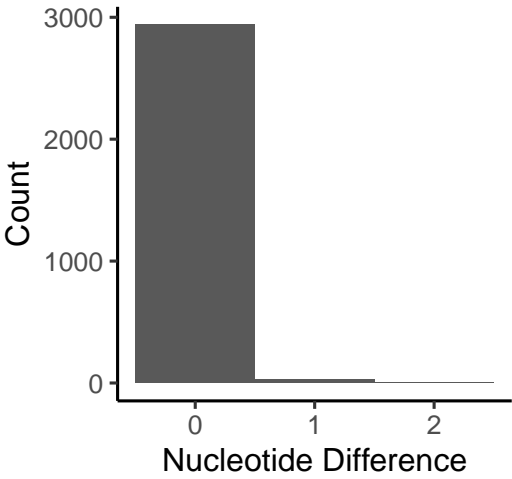
TRBV6-4\*ap01

4674 sequences assigned  
4607 (98.6%) exact matches, in which:  
4557 unique CDR3  
13 unique J



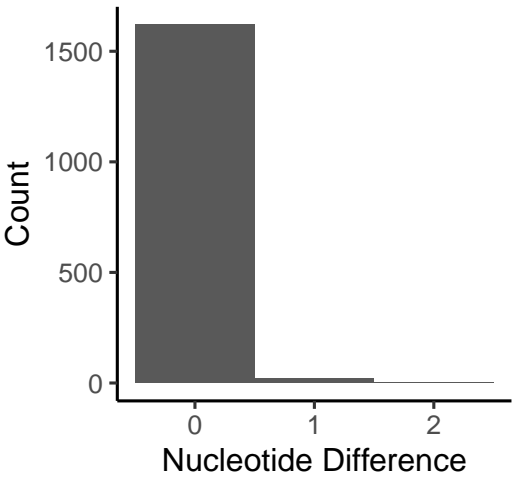
TRBV5-5\*ap01

2965 sequences assigned  
2939 (99.1%) exact matches, in which:  
2912 unique CDR3  
13 unique J



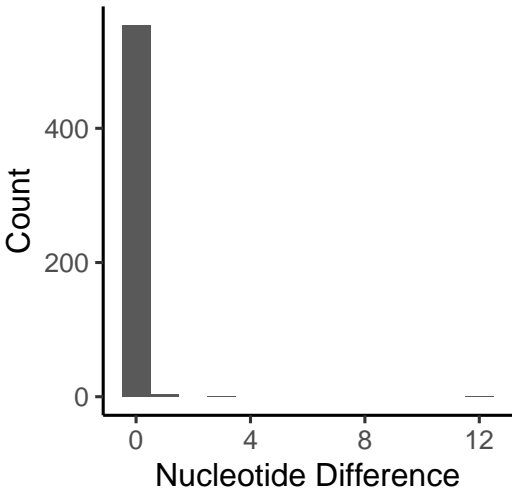
TRBV5-8\*ap01

1646 sequences assigned  
1620 (98.4%) exact matches, in which:  
1602 unique CDR3  
13 unique J



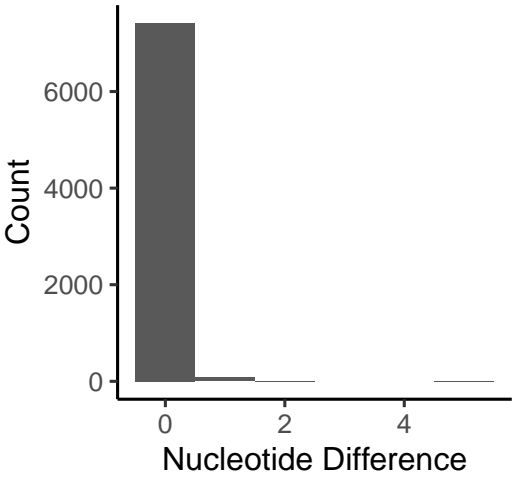
TRBV6-7\*ap01

560 sequences assigned  
554 (98.9%) exact matches, in which:  
547 unique CDR3  
13 unique J



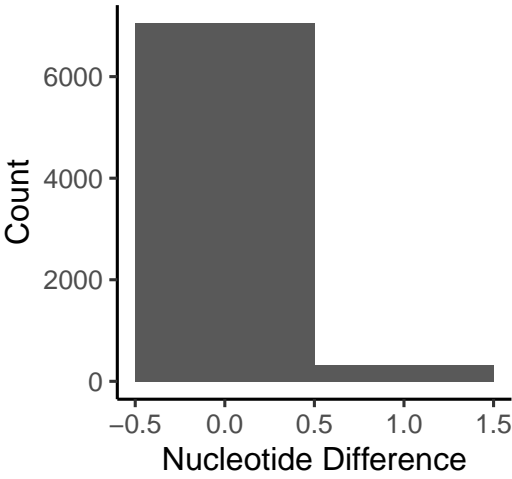
TRBV5-6\*ap01

7503 sequences assigned  
7418 (98.9%) exact matches, in which:  
7245 unique CDR3  
13 unique J



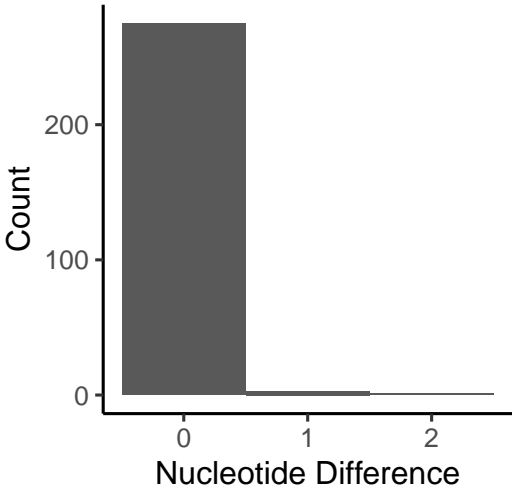
TRBV6-1\*ap01

7376 sequences assigned  
7055 (95.6%) exact matches, in which:  
6910 unique CDR3  
13 unique J



TRBV6-8\*ap01

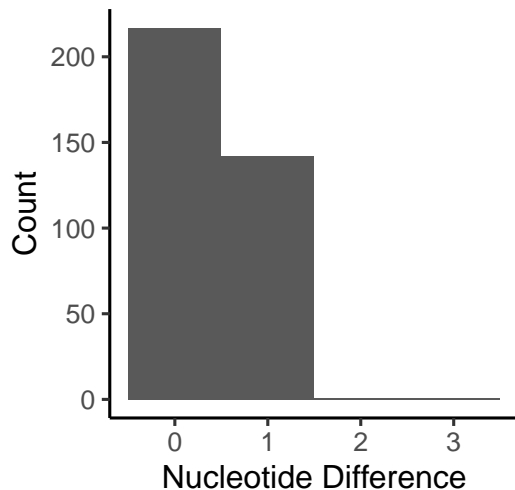
279 sequences assigned  
275 (98.6%) exact matches, in which:  
270 unique CDR3  
13 unique J





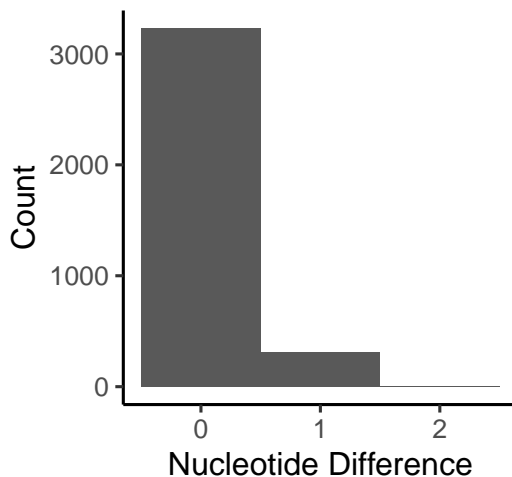
### TRBV6-9\*ap01

361 sequences assigned  
217 (60.1%) exact matches, in which:  
214 unique CDR3  
13 unique J



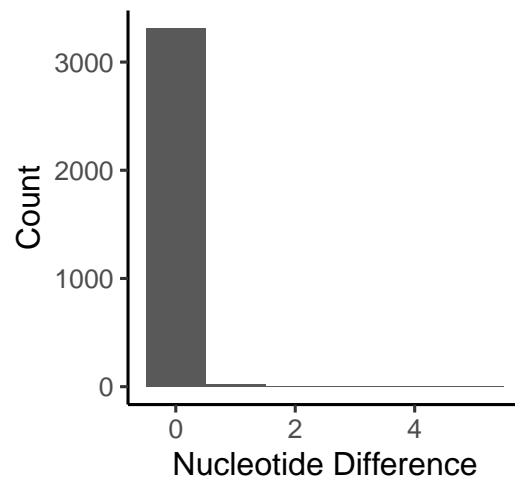
### TRBV6-56\*ap02

3547 sequences assigned  
3230 (91.1%) exact matches, in which:  
3154 unique CDR3  
13 unique J



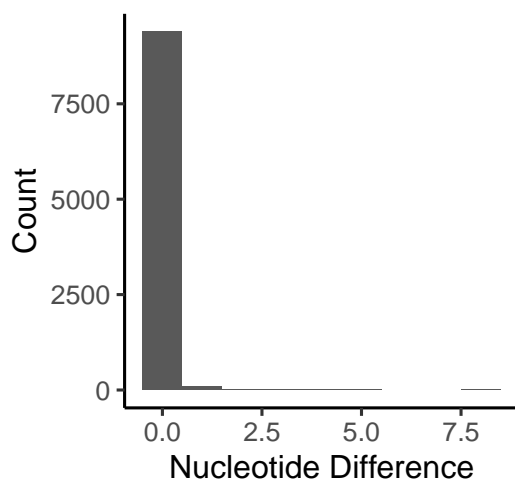
### TRBV7-3\*ap01

3342 sequences assigned  
3311 (99.1%) exact matches, in which:  
3271 unique CDR3  
13 unique J



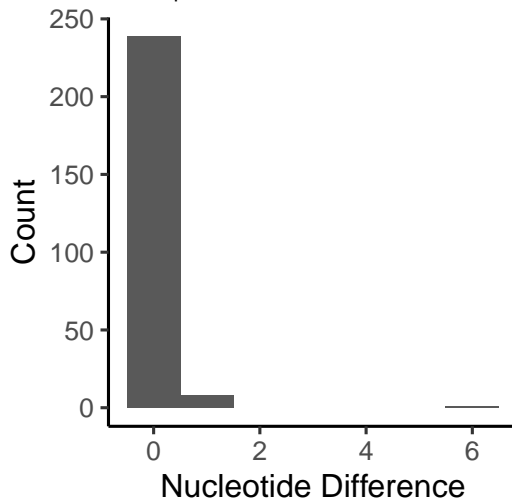
### TRBV6-23\*ap01

9491 sequences assigned  
9389 (98.9%) exact matches, in which:  
9157 unique CDR3  
13 unique J



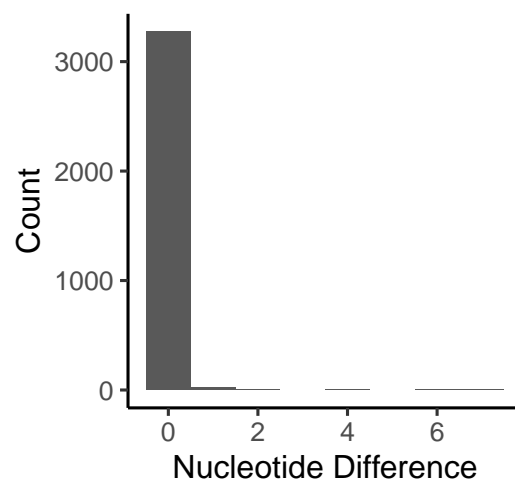
### TRBV7-1\*ap01\_G291C\_

248 sequences assigned  
239 (96.4%) exact matches, in which:  
235 unique CDR3  
13 unique J



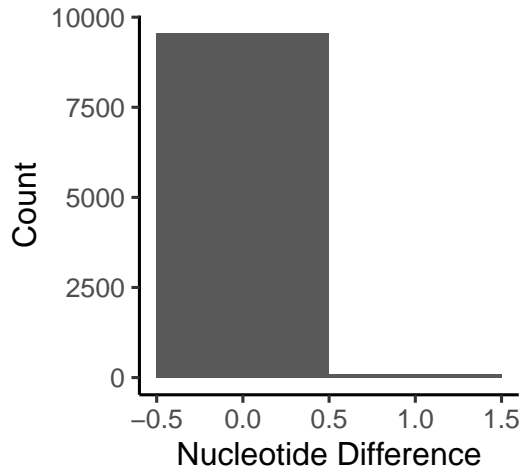
### TRBV7-3\*ap01\_G301A

3299 sequences assigned  
3273 (99.2%) exact matches, in which:  
3236 unique CDR3  
13 unique J



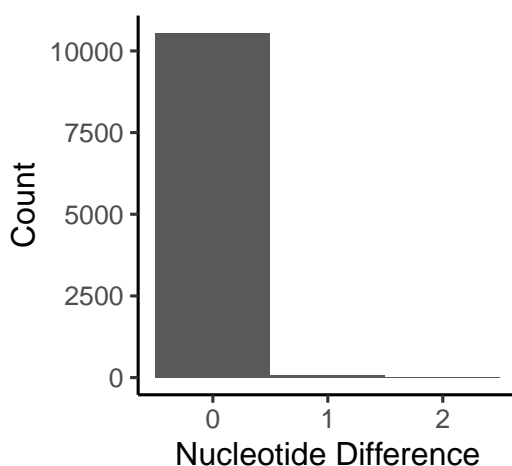
### TRBV6-56\*ap01

9669 sequences assigned  
9567 (98.9%) exact matches, in which:  
9337 unique CDR3  
14 unique J



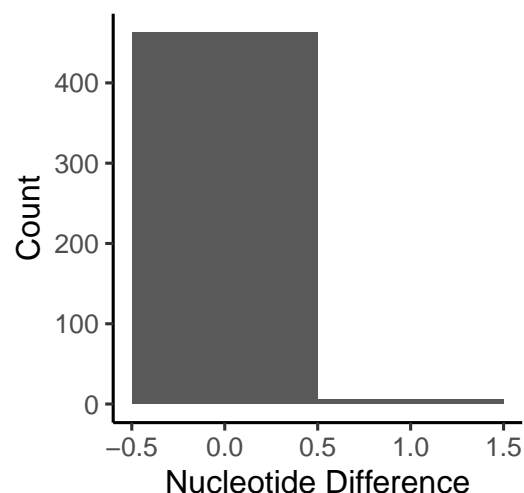
### TRBV7-2\*ap01

10620 sequences assigned  
10555 (99.4%) exact matches, in which:  
10408 unique CDR3  
13 unique J



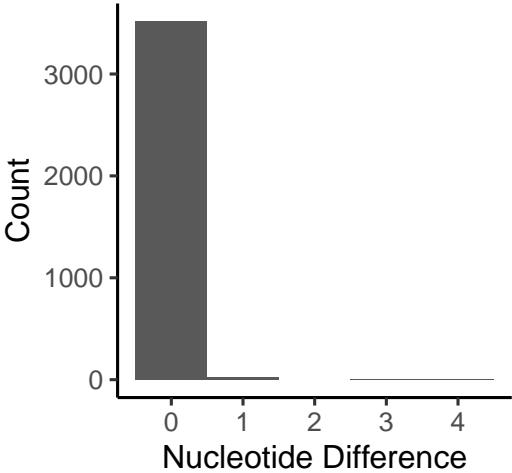
### TRBV7-4\*ap01

469 sequences assigned  
463 (98.7%) exact matches, in which:  
457 unique CDR3  
13 unique J



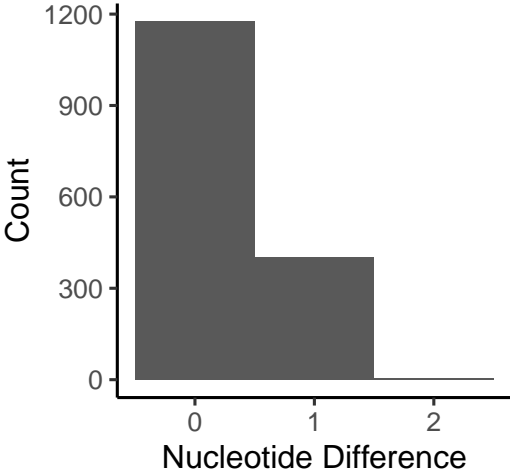
TRBV7-6\*ap01

3547 sequences assigned  
3516 (99.1%) exact matches, in which:  
3463 unique CDR3  
13 unique J



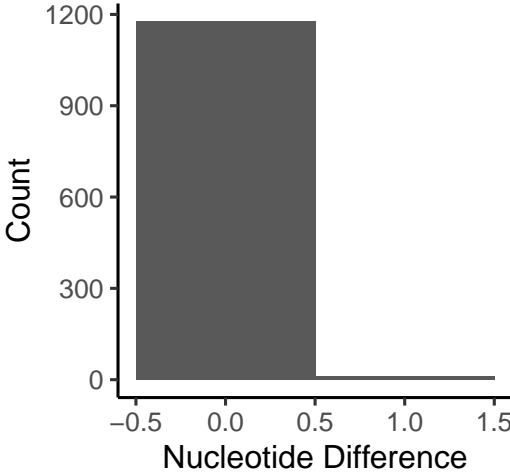
TRBV7-8\*ap03

1584 sequences assigned  
1176 (74.2%) exact matches, in which:  
1153 unique CDR3  
13 unique J



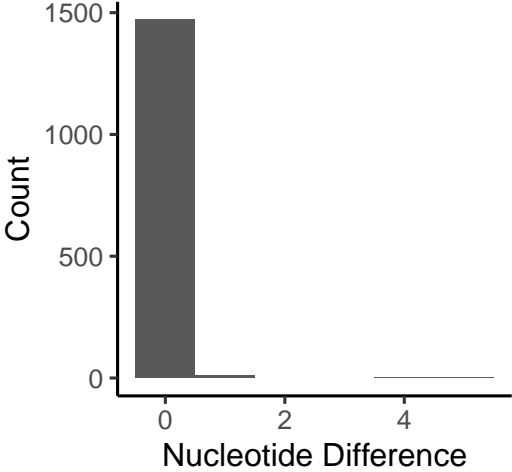
TRBV29-1\*ap02

1190 sequences assigned  
1177 (98.9%) exact matches, in which:  
1157 unique CDR3  
13 unique J



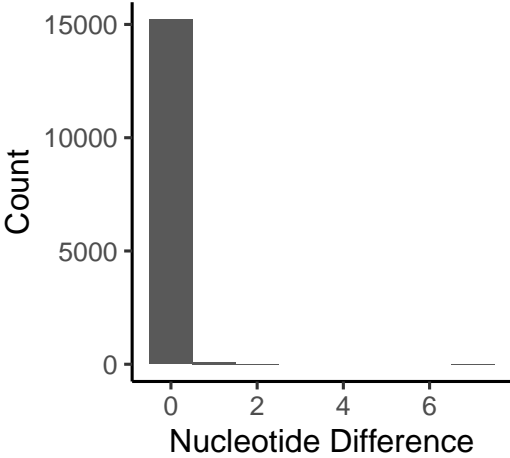
TRBV7-7\*ap01\_C315T

1485 sequences assigned  
1471 (99.1%) exact matches, in which:  
1449 unique CDR3  
13 unique J



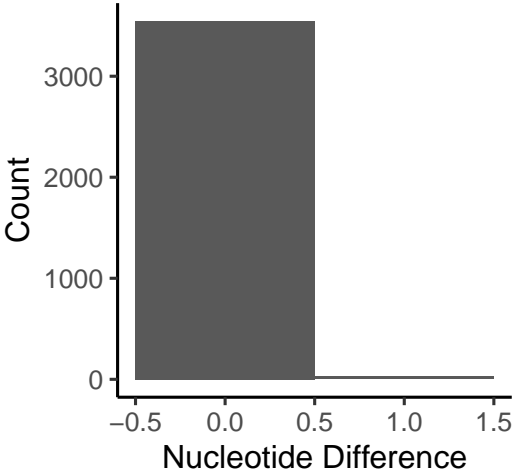
TRBV7-9\*ap01

15320 sequences assigned  
15219 (99.3%) exact matches, in which:  
15039 unique CDR3  
13 unique J



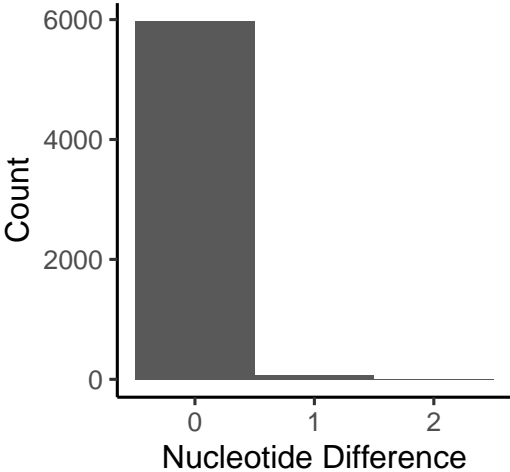
TRBV7-8\*ap01

3574 sequences assigned  
3546 (99.2%) exact matches, in which:  
3489 unique CDR3  
13 unique J

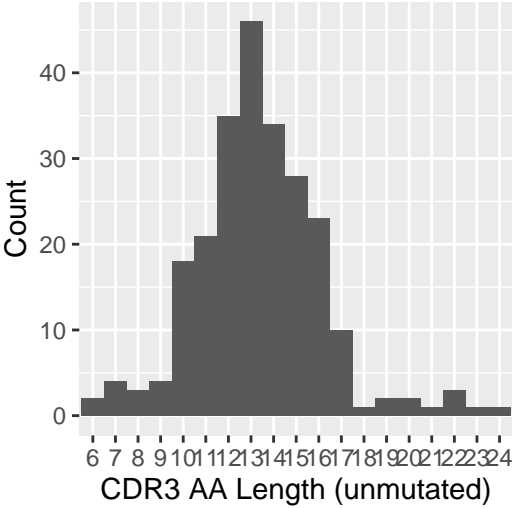


TRBV29-1\*ap01

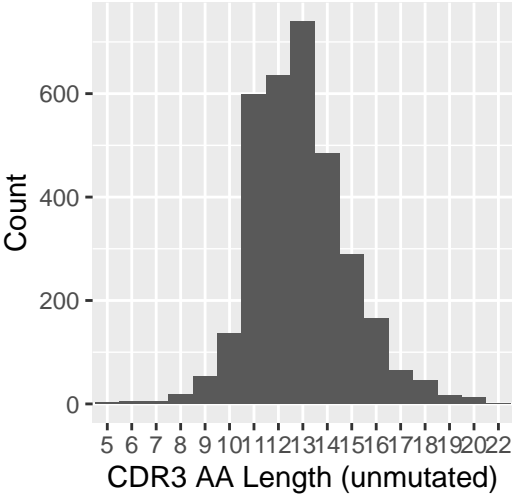
6044 sequences assigned  
5976 (98.9%) exact matches, in which:  
5872 unique CDR3  
13 unique J



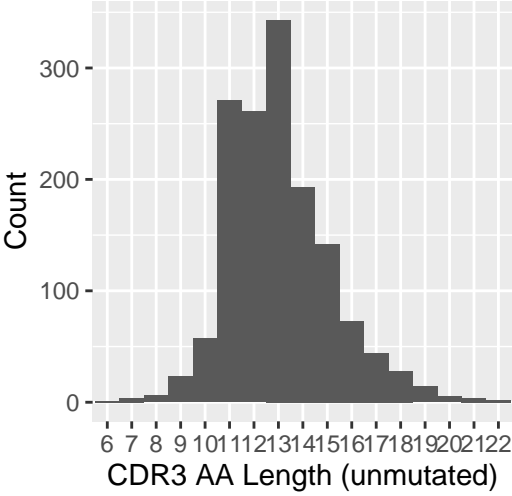
TRBV7-1\*ap01\_G291C\_T296C



TRBV7-3\*ap01\_G301A



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.