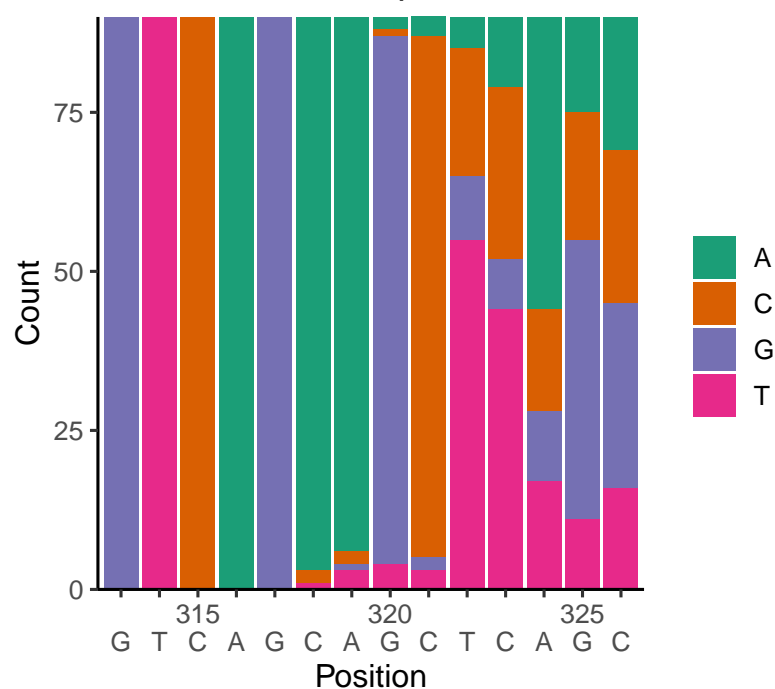
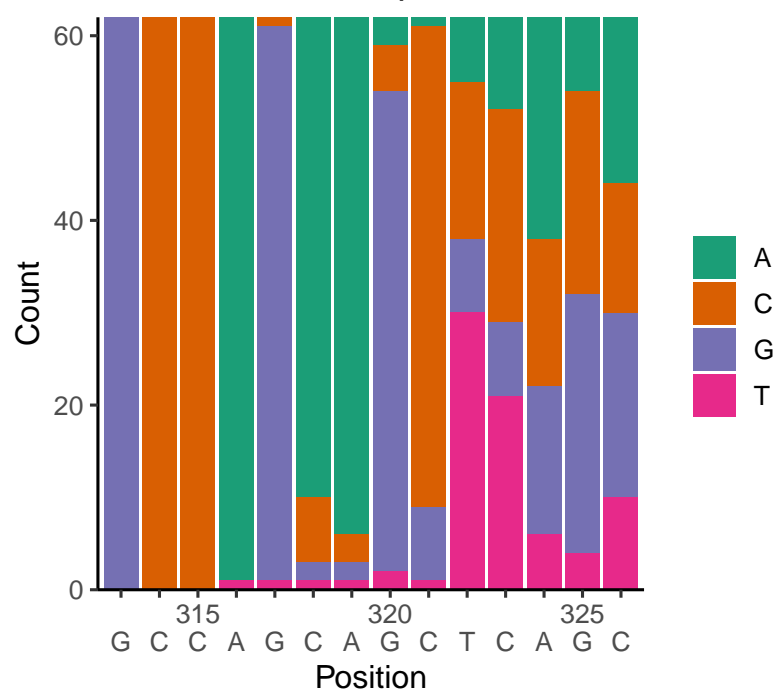


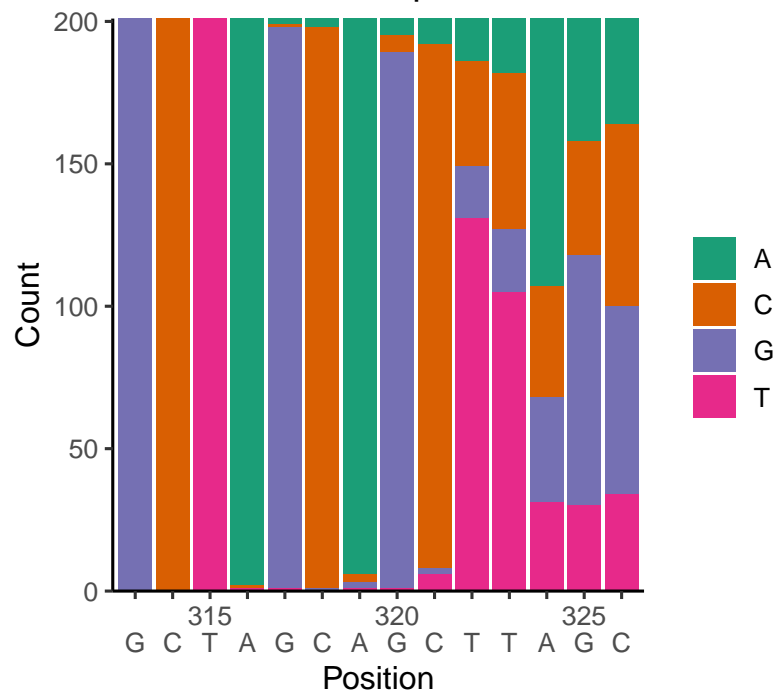
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



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



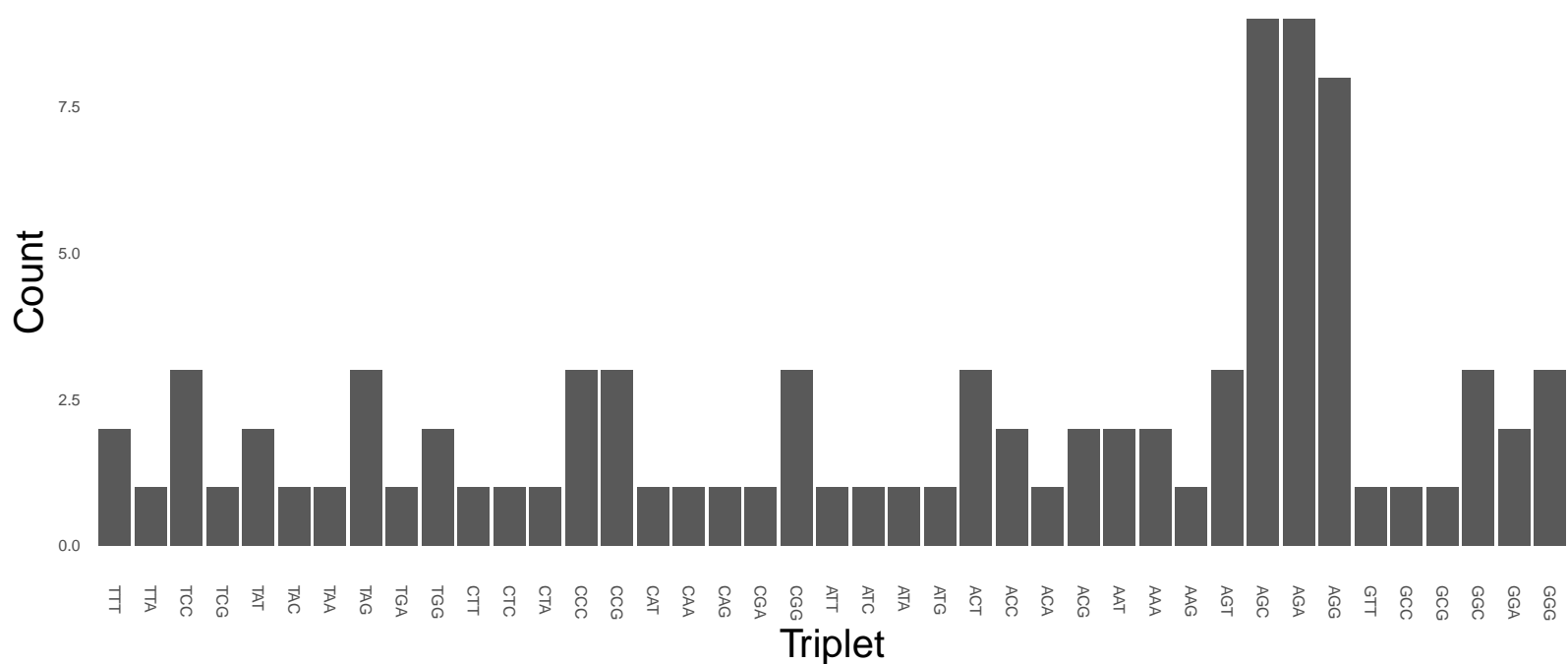
Gene TRBV7-1\*ap01\_G291C\_T296C



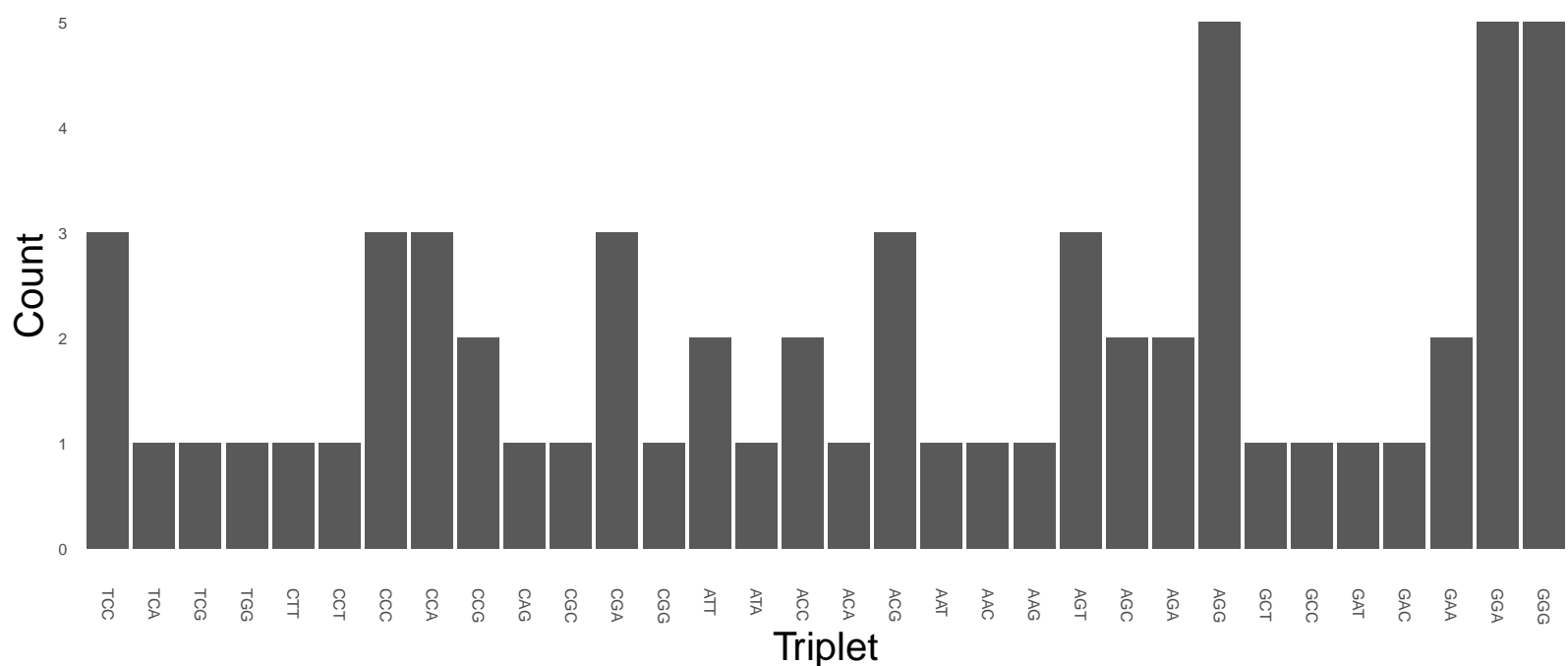
Gene TRBV7-7\*ap01\_C315T



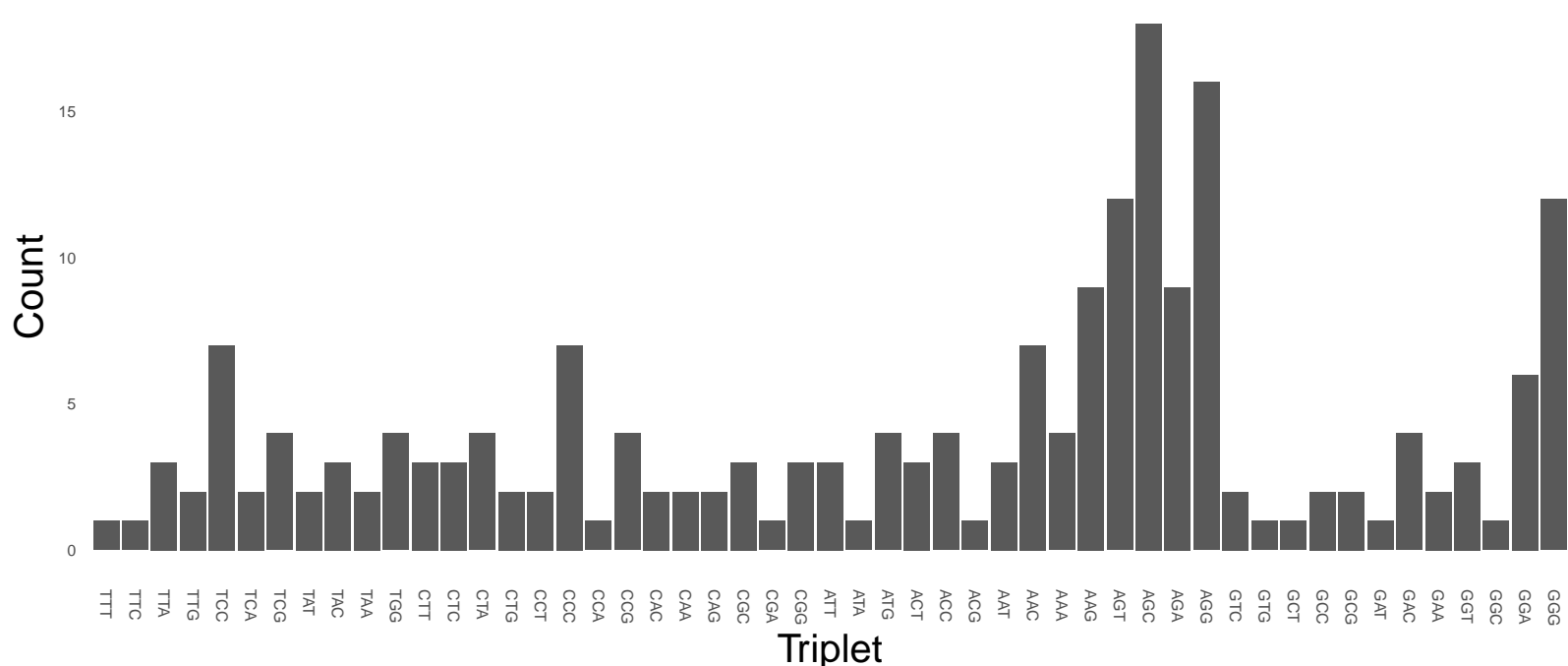
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

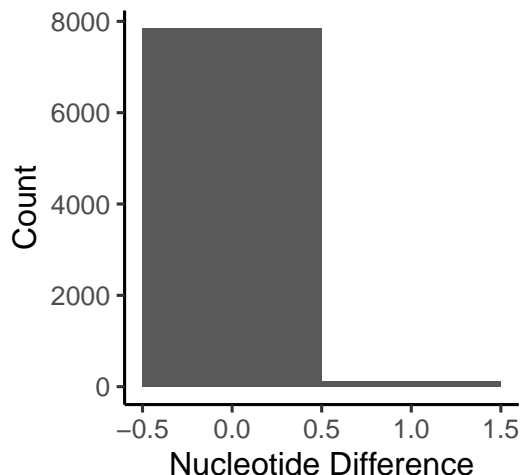


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



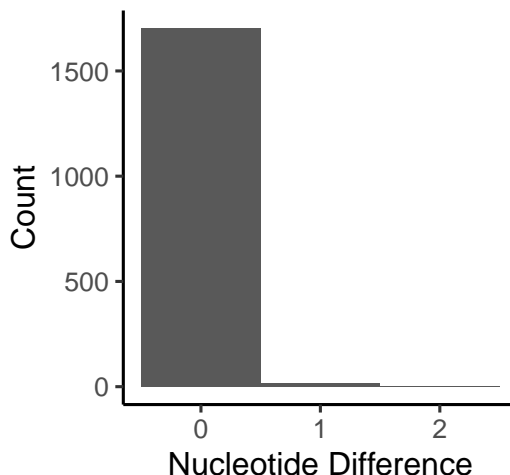
### TRBV20-1\*ap01

7963 sequences assigned  
7846 (98.5%) exact matches, in which:  
7681 unique CDR3  
13 unique J



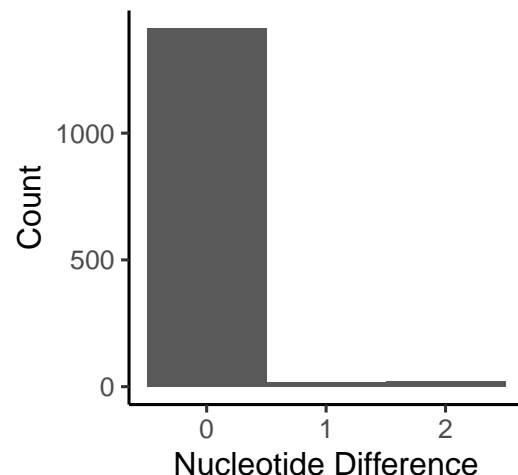
### TRBV10-2\*ap01

1721 sequences assigned  
1702 (98.9%) exact matches, in which:  
1648 unique CDR3  
13 unique J



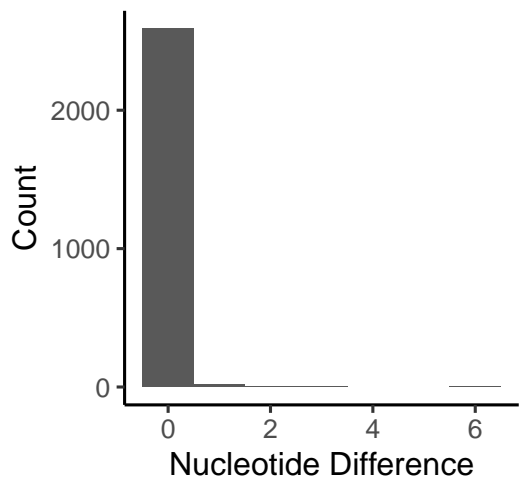
### TRBV13\*ap01

1451 sequences assigned  
1413 (97.4%) exact matches, in which:  
1374 unique CDR3  
13 unique J



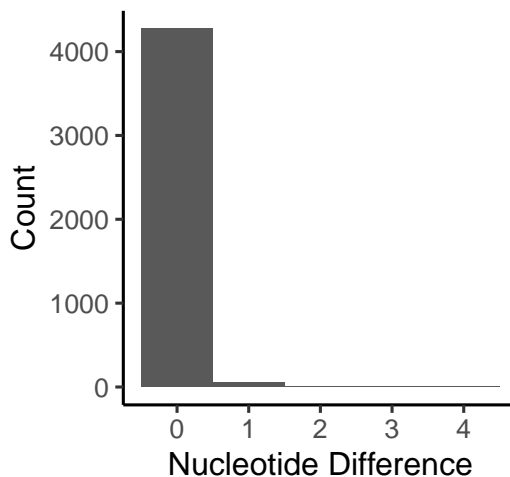
### TRBV10-1\*ap01

2612 sequences assigned  
2589 (99.1%) exact matches, in which:  
2537 unique CDR3  
13 unique J



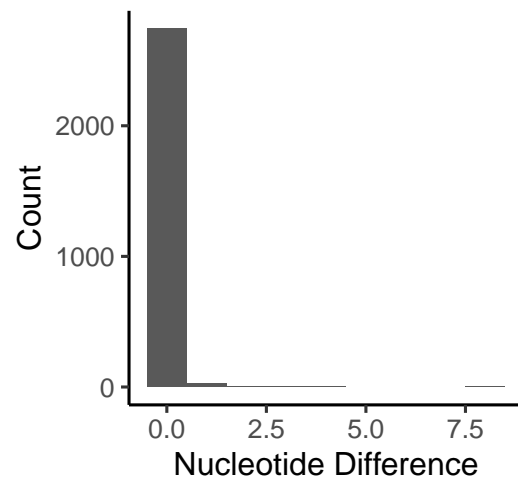
### TRBV10-3\*ap01

4336 sequences assigned  
4273 (98.5%) exact matches, in which:  
4157 unique CDR3  
13 unique J



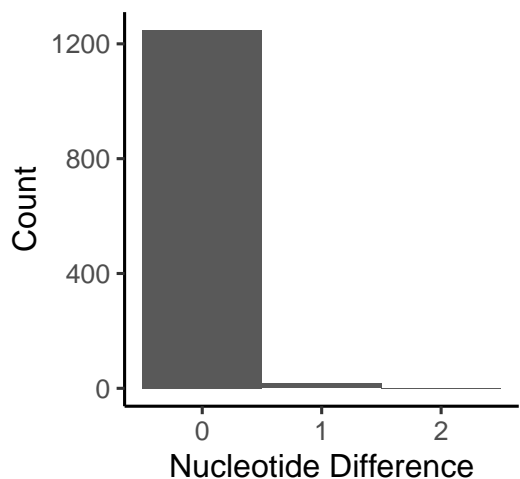
### TRBV14\*ap01

2770 sequences assigned  
2743 (99%) exact matches, in which:  
2675 unique CDR3  
13 unique J



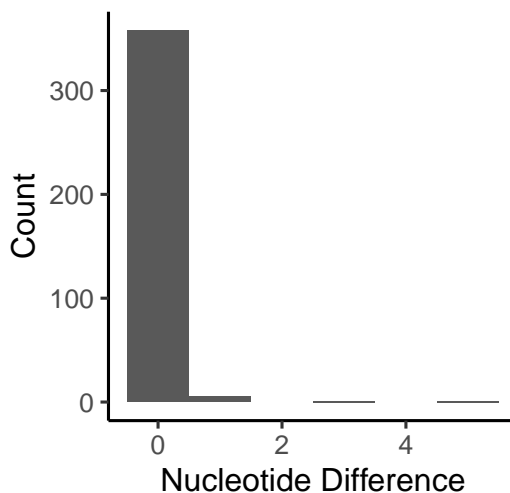
### TRBV20-1\*ap02

1266 sequences assigned  
1248 (98.6%) exact matches, in which:  
1214 unique CDR3  
13 unique J



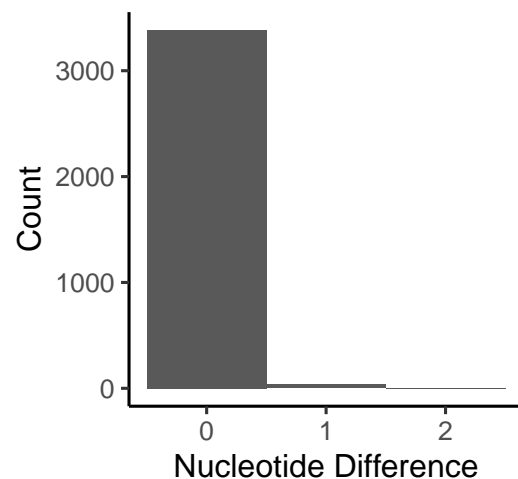
### TRBV1\*ap01

365 sequences assigned  
358 (98.1%) exact matches, in which:  
346 unique CDR3  
13 unique J



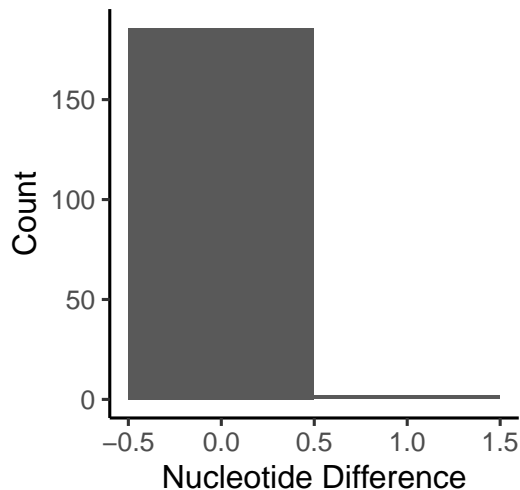
### TRBV15\*ap02

3423 sequences assigned  
3384 (98.9%) exact matches, in which:  
3297 unique CDR3  
13 unique J



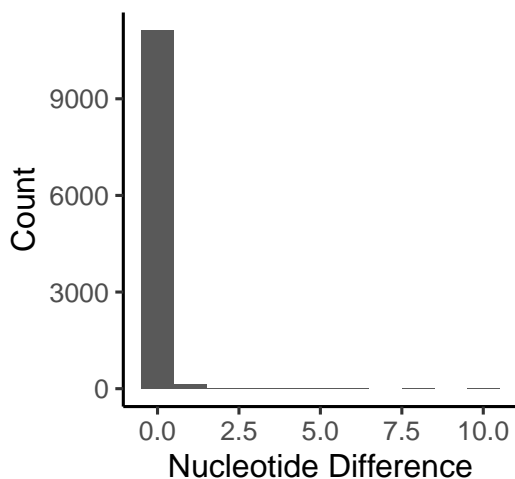
### TRBV16\*ap01

188 sequences assigned  
186 (98.9%) exact matches, in which:  
184 unique CDR3  
13 unique J



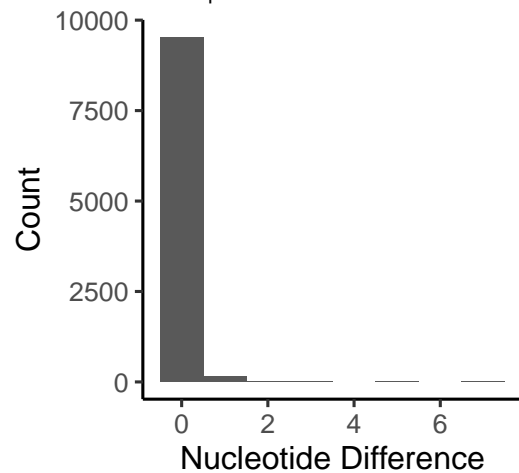
### TRBV19\*ap01

11279 sequences assigned  
11123 (98.6%) exact matches, in which:  
10948 unique CDR3  
13 unique J



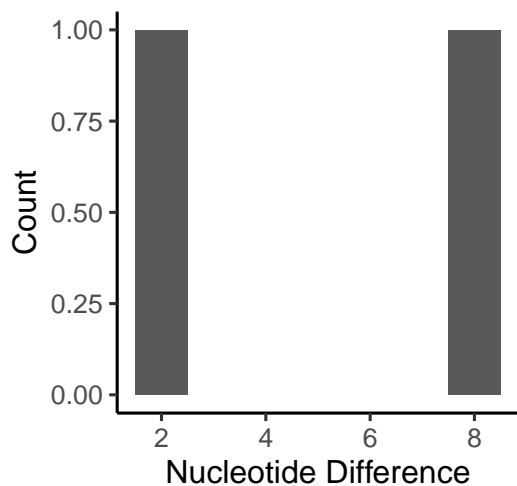
### TRBV27\*ap01

9683 sequences assigned  
9530 (98.4%) exact matches, in which:  
9284 unique CDR3  
13 unique J



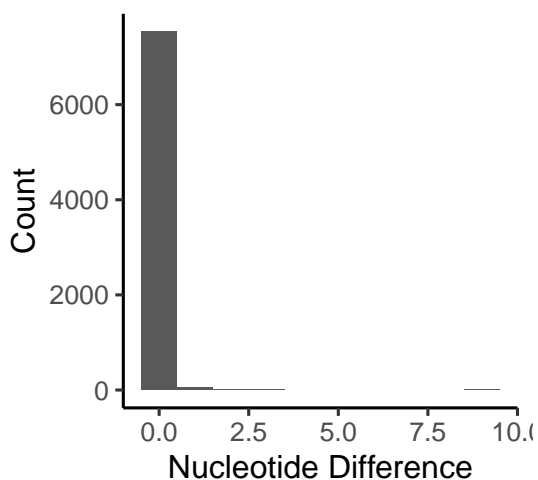
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



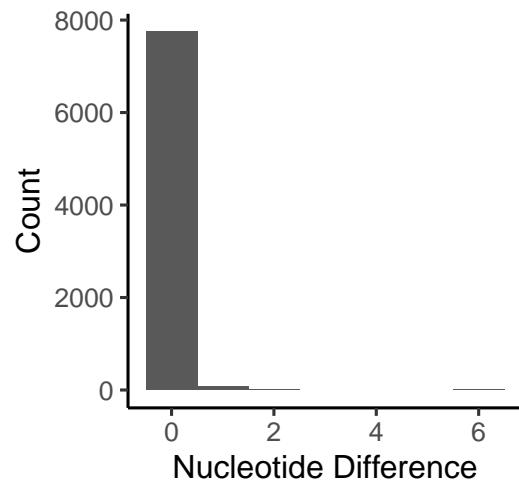
### TRBV2\*ap01

7594 sequences assigned  
7533 (99.2%) exact matches, in which:  
7370 unique CDR3  
13 unique J



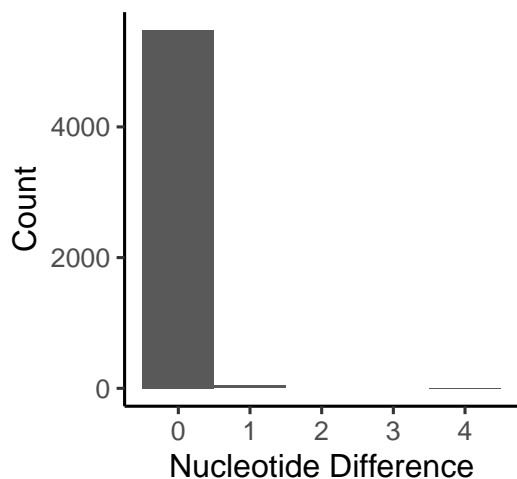
### TRBV28\*ap01

7836 sequences assigned  
7748 (98.9%) exact matches, in which:  
7568 unique CDR3  
13 unique J



### TRBV18\*ap01

5525 sequences assigned  
5482 (99.2%) exact matches, in which:  
5382 unique CDR3  
13 unique J



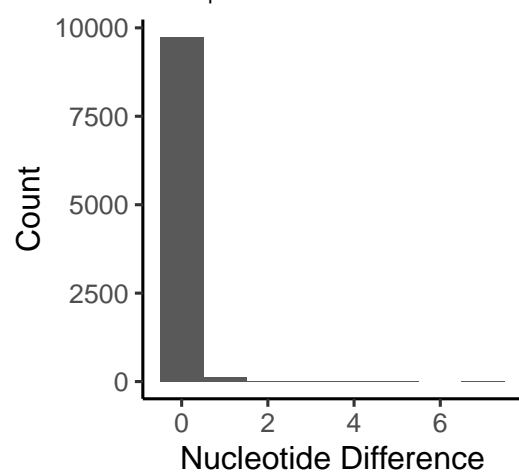
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



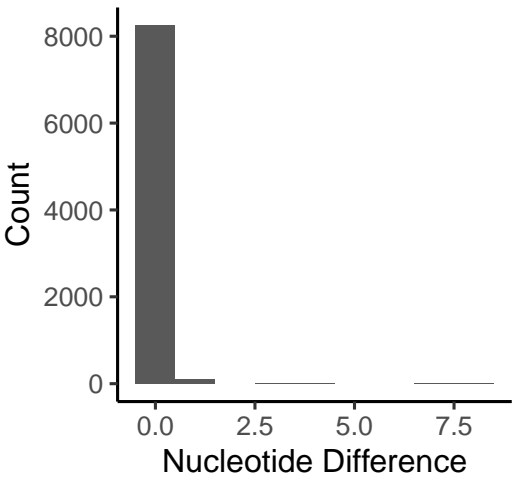
### TRBV30\*ap01

9890 sequences assigned  
9747 (98.6%) exact matches, in which:  
9619 unique CDR3  
13 unique J



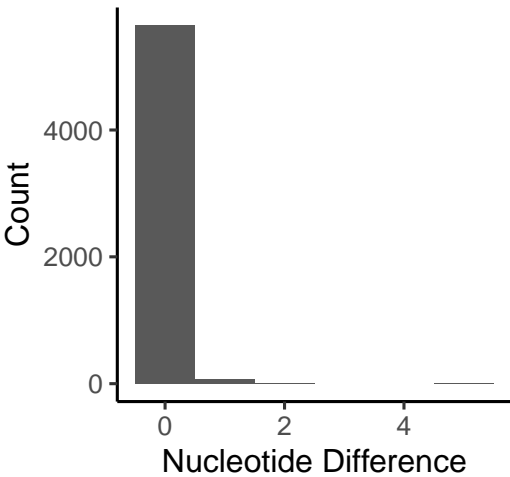
TRBV9\*ap01

8351 sequences assigned  
8249 (98.8%) exact matches, in which:  
8081 unique CDR3  
13 unique J



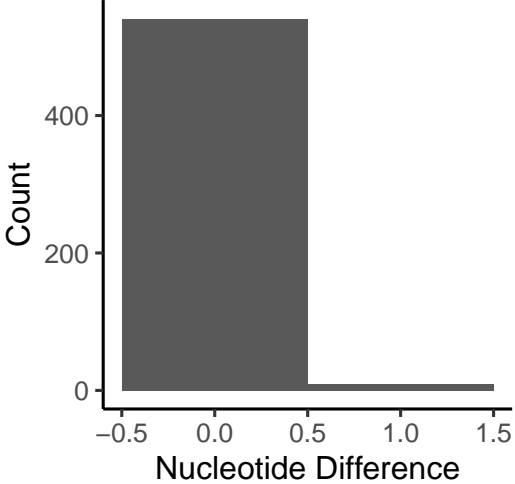
TRBV11-2\*ap01

5728 sequences assigned  
5649 (98.6%) exact matches, in which:  
5505 unique CDR3  
13 unique J



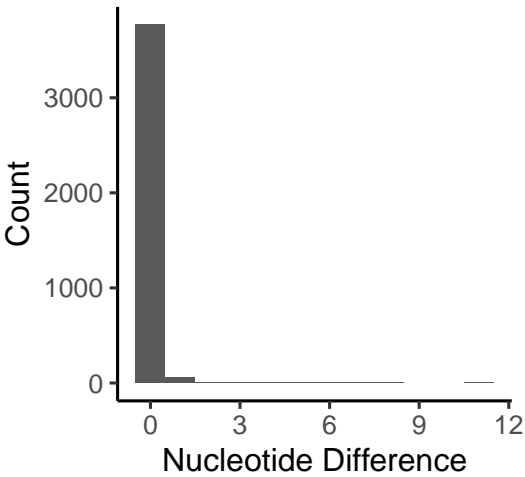
TRBV12-2\*ap01

550 sequences assigned  
541 (98.4%) exact matches, in which:  
521 unique CDR3  
13 unique J



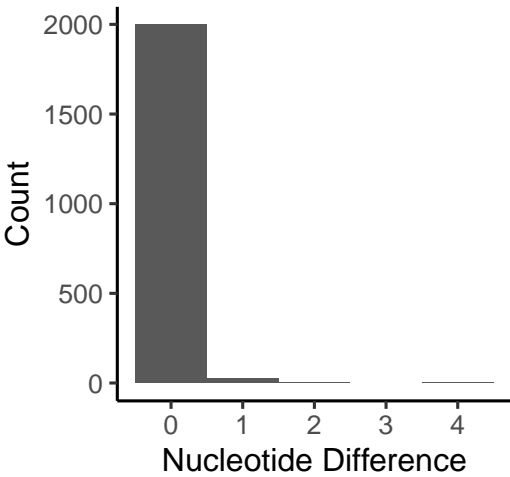
TRBV21-1\*ap01

3842 sequences assigned  
3768 (98.1%) exact matches, in which:  
3692 unique CDR3  
13 unique J



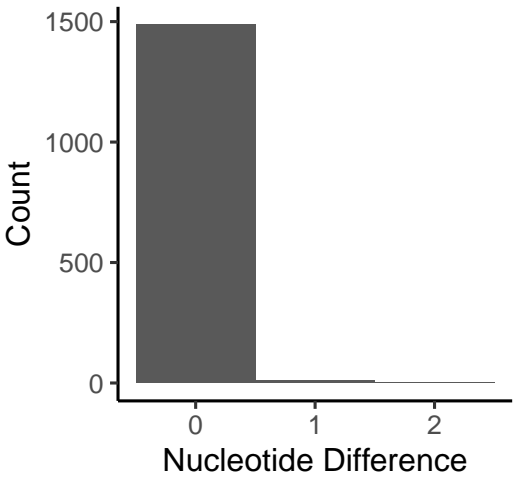
TRBV11-3\*ap01

2024 sequences assigned  
1998 (98.7%) exact matches, in which:  
1958 unique CDR3  
13 unique J



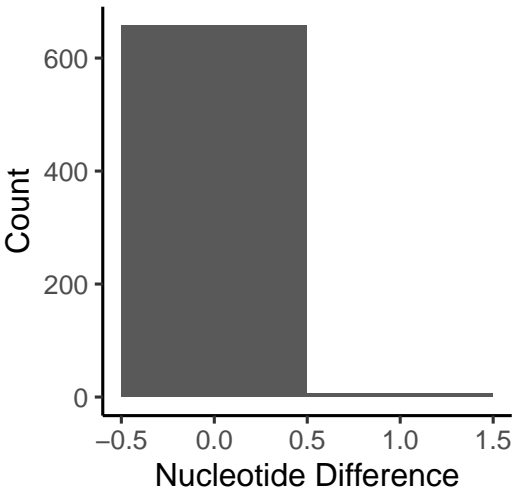
TRBV12-5\*ap01

1497 sequences assigned  
1487 (99.3%) exact matches, in which:  
1453 unique CDR3  
13 unique J



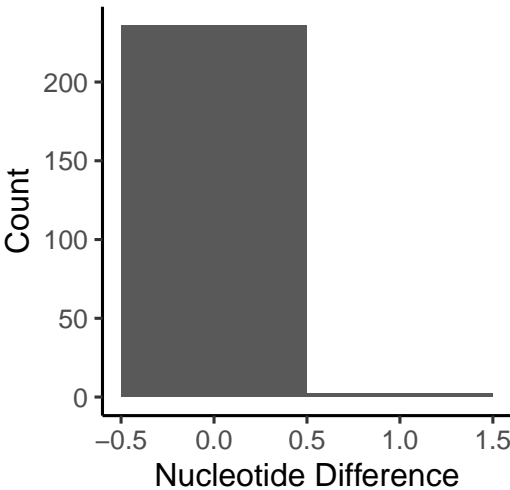
TRBV11-1\*ap01

665 sequences assigned  
658 (98.9%) exact matches, in which:  
639 unique CDR3  
13 unique J



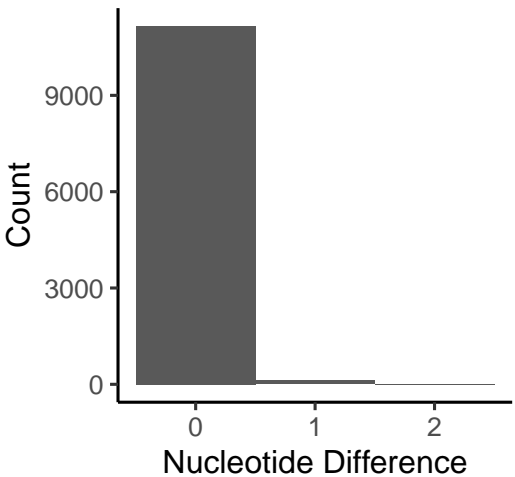
TRBV12-1\*ap01

238 sequences assigned  
236 (99.2%) exact matches, in which:  
229 unique CDR3  
13 unique J



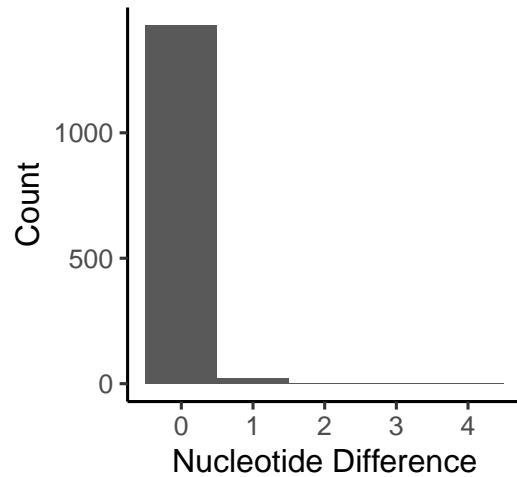
TRBV12-34\*ap01

11288 sequences assigned  
11159 (98.9%) exact matches, in which:  
10898 unique CDR3  
13 unique J



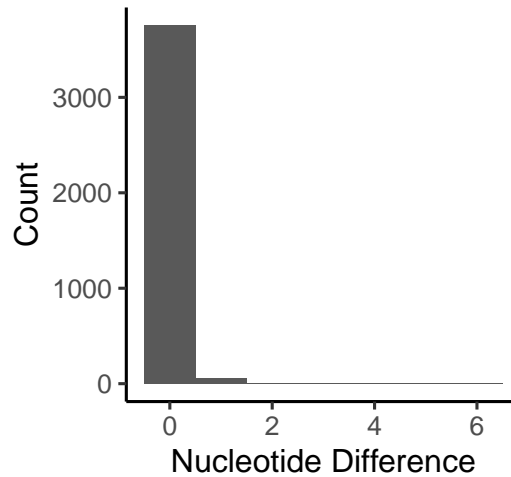
### TRBV23-1\*ap01

1453 sequences assigned  
1428 (98.3%) exact matches, in which:  
1394 unique CDR3  
13 unique J



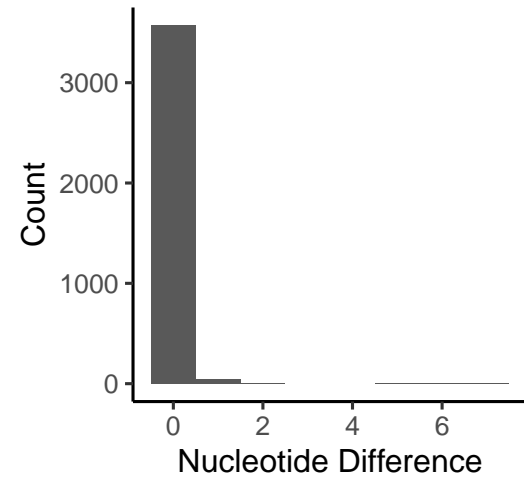
### TRBV24-1\*ap01

3821 sequences assigned  
3754 (98.2%) exact matches, in which:  
3688 unique CDR3  
13 unique J



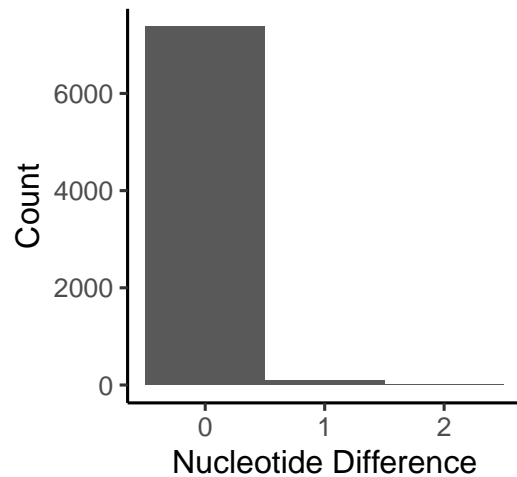
### TRBV25-1\*ap01

3621 sequences assigned  
3571 (98.6%) exact matches, in which:  
3515 unique CDR3  
13 unique J



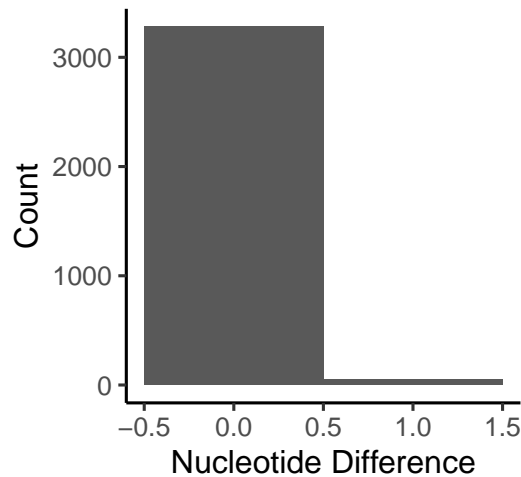
### TRBV3-12\*ap01

7468 sequences assigned  
7373 (98.7%) exact matches, in which:  
7218 unique CDR3  
13 unique J



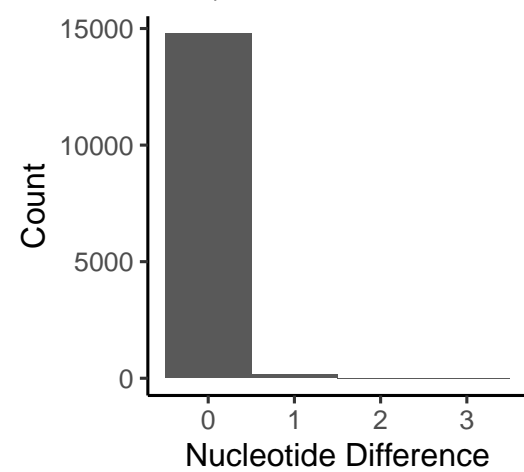
### TRBV4-2\*ap01

3329 sequences assigned  
3280 (98.5%) exact matches, in which:  
3207 unique CDR3  
13 unique J



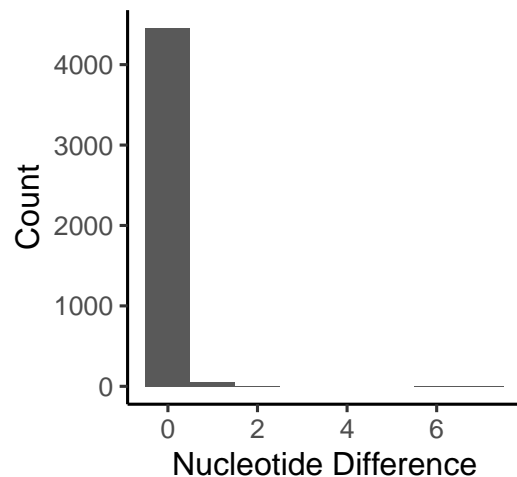
### TRBV5-1\*ap01

14961 sequences assigned  
14788 (98.8%) exact matches, in which:  
14449 unique CDR3  
13 unique J



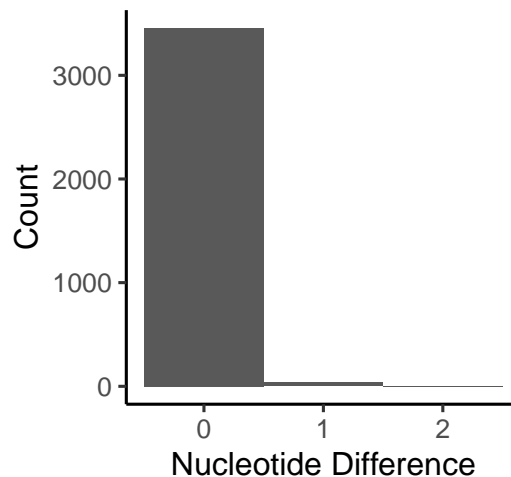
### TRBV4-1\*ap01

4512 sequences assigned  
4455 (98.7%) exact matches, in which:  
4366 unique CDR3  
13 unique J



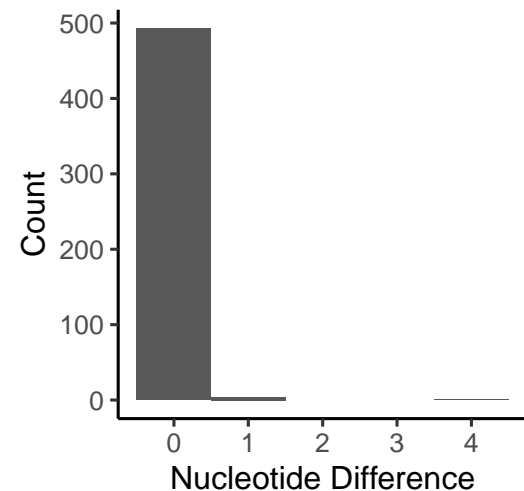
### TRBV4-3\*ap01

3494 sequences assigned  
3456 (98.9%) exact matches, in which:  
3386 unique CDR3  
13 unique J



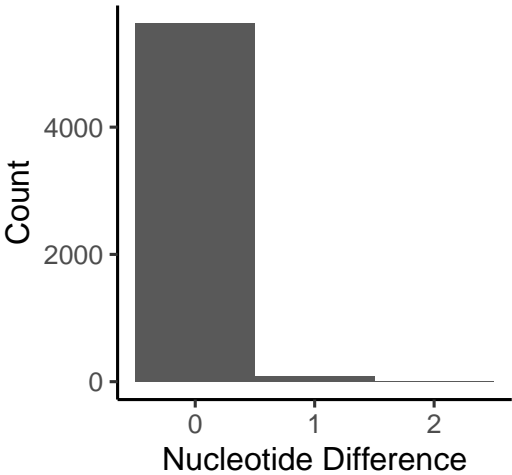
### TRBV5-3\*ap01

498 sequences assigned  
493 (99%) exact matches, in which:  
486 unique CDR3  
13 unique J



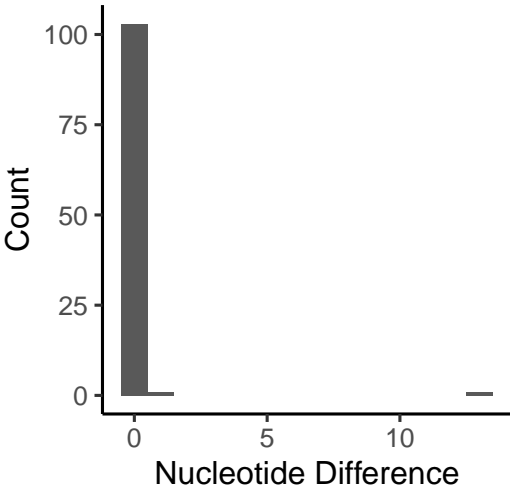
TRBV5-4\*ap01

5712 sequences assigned  
5630 (98.6%) exact matches, in which:  
5523 unique CDR3  
13 unique J



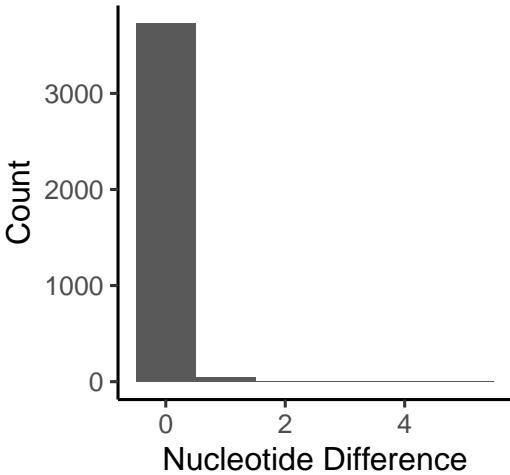
TRBV5-7\*ap01

105 sequences assigned  
103 (98.1%) exact matches, in which:  
101 unique CDR3  
11 unique J



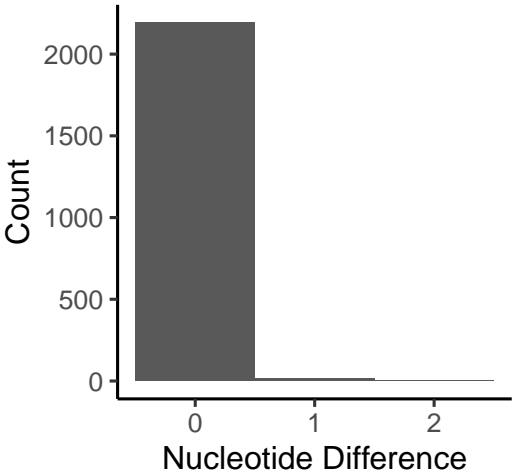
TRBV6-4\*ap01

3780 sequences assigned  
3728 (98.6%) exact matches, in which:  
3684 unique CDR3  
13 unique J



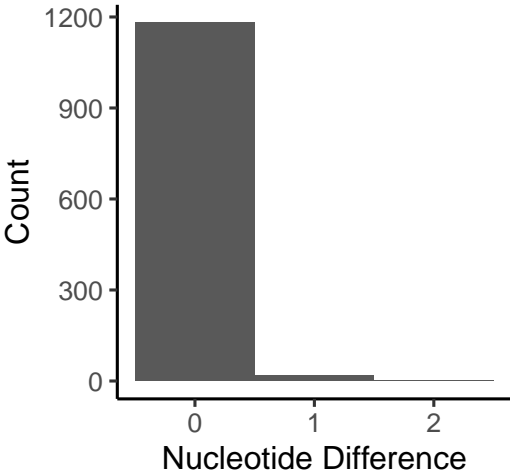
TRBV5-5\*ap01

2211 sequences assigned  
2192 (99.1%) exact matches, in which:  
2169 unique CDR3  
13 unique J



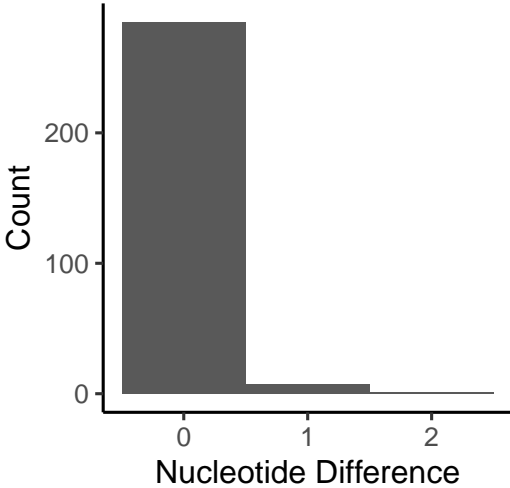
TRBV5-8\*ap01

1202 sequences assigned  
1181 (98.3%) exact matches, in which:  
1151 unique CDR3  
13 unique J



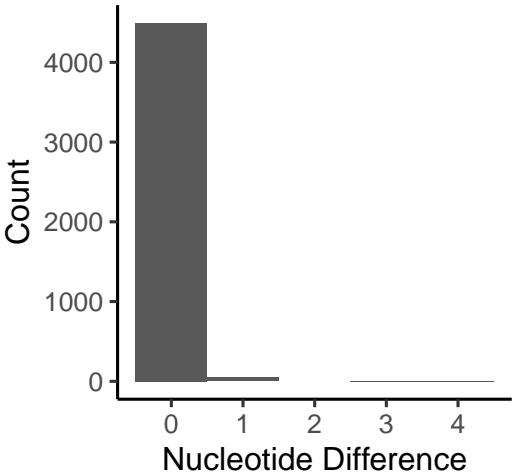
TRBV6-7\*ap01

293 sequences assigned  
285 (97.3%) exact matches, in which:  
280 unique CDR3  
13 unique J



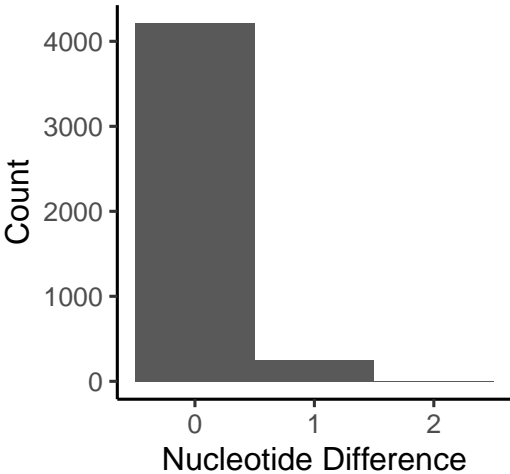
TRBV5-6\*ap01

4541 sequences assigned  
4493 (98.9%) exact matches, in which:  
4392 unique CDR3  
13 unique J



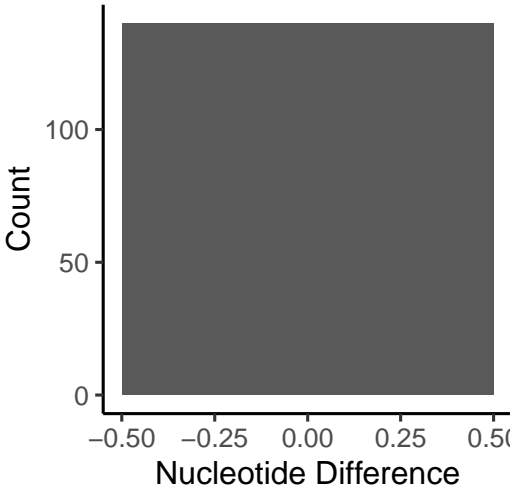
TRBV6-1\*ap01

4467 sequences assigned  
4215 (94.4%) exact matches, in which:  
4119 unique CDR3  
13 unique J



TRBV6-8\*ap01

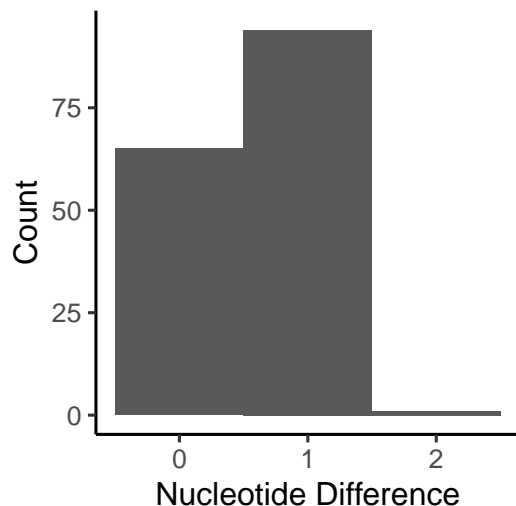
140 sequences assigned  
140 (100%) exact matches, in which:  
134 unique CDR3  
13 unique J





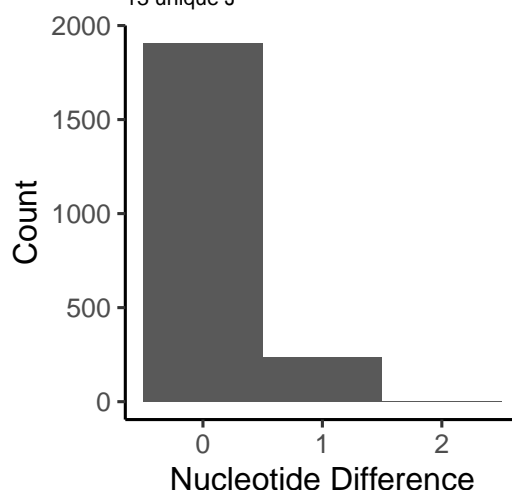
### TRBV6–9\*ap01

160 sequences assigned  
65 (40.6%) exact matches, in which:  
65 unique CDR3  
13 unique J



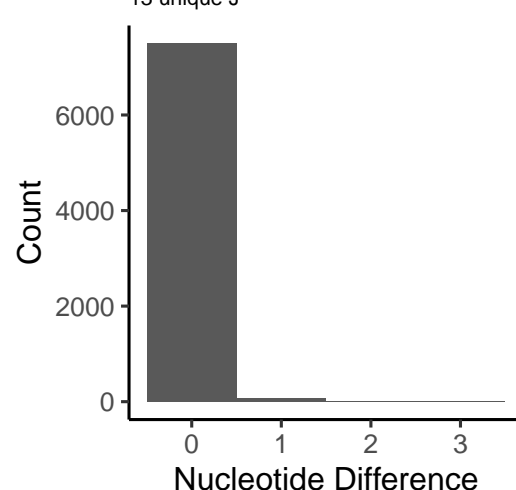
### TRBV6–56\*ap02

2142 sequences assigned  
1905 (88.9%) exact matches, in which:  
1863 unique CDR3  
13 unique J



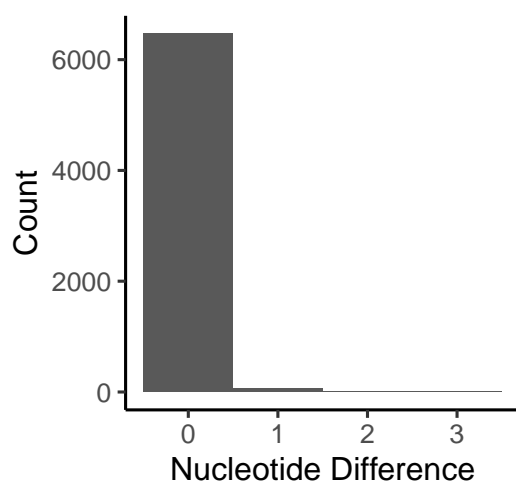
### TRBV7–2\*ap01

7568 sequences assigned  
7498 (99.1%) exact matches, in which:  
7325 unique CDR3  
13 unique J



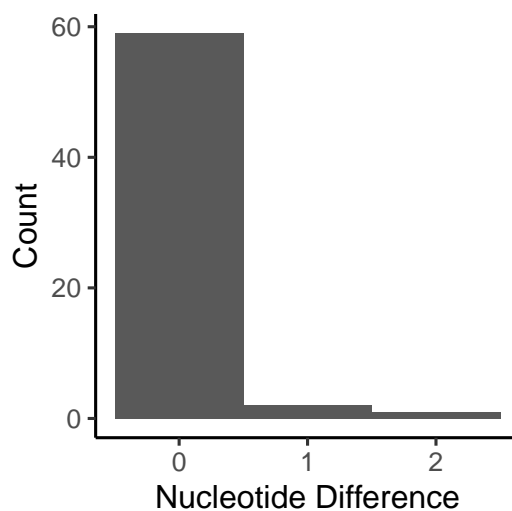
### TRBV6–23\*ap01

6542 sequences assigned  
6468 (98.9%) exact matches, in which:  
6337 unique CDR3  
13 unique J



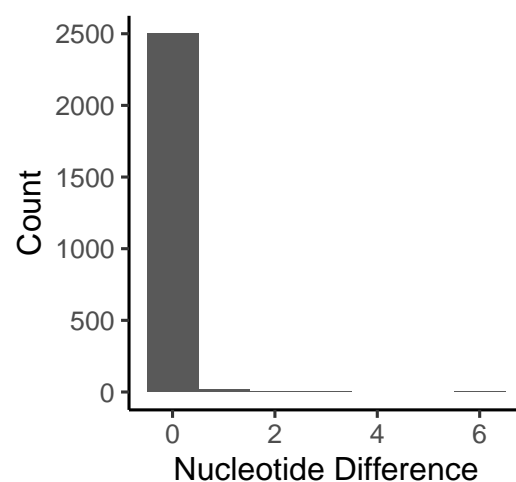
### TRBV7–1\*ap01\_G291C\_T

62 sequences assigned  
59 (95.2%) exact matches, in which:  
57 unique CDR3  
12 unique J



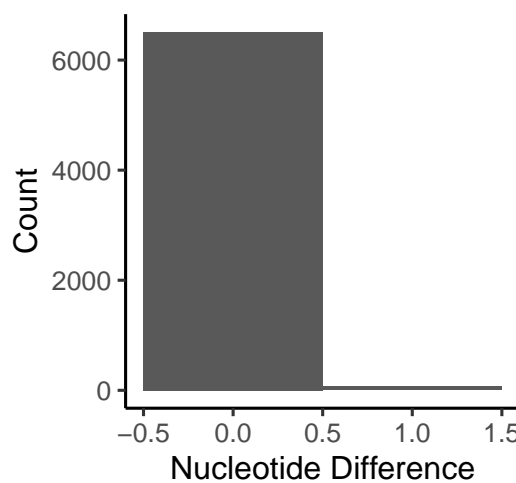
### TRBV7–3\*ap01

2525 sequences assigned  
2500 (99%) exact matches, in which:  
2459 unique CDR3  
13 unique J



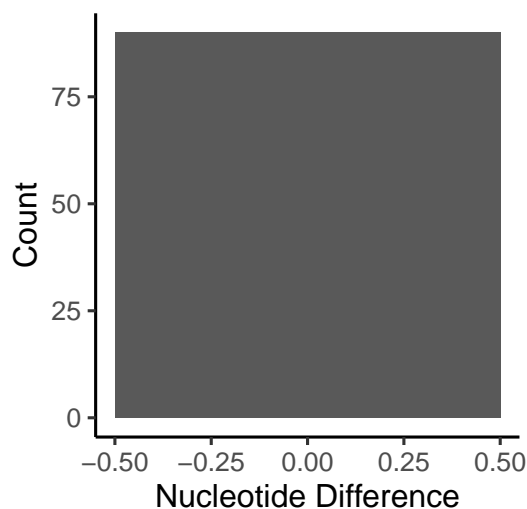
### TRBV6–56\*ap01

6579 sequences assigned  
6509 (98.9%) exact matches, in which:  
6366 unique CDR3  
13 unique J



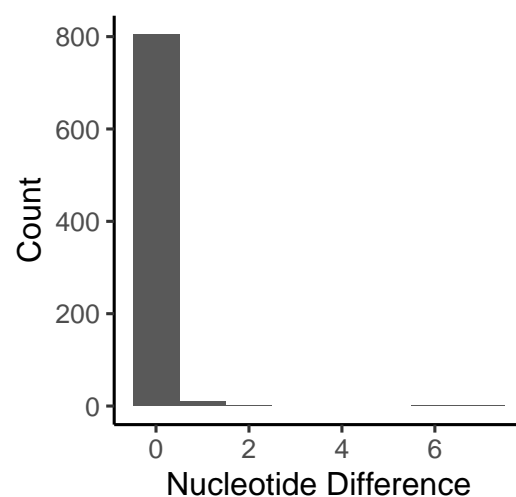
### TRBV7–1\*ap01\_G291C\_T

90 sequences assigned  
90 (100%) exact matches, in which:  
86 unique CDR3  
13 unique J



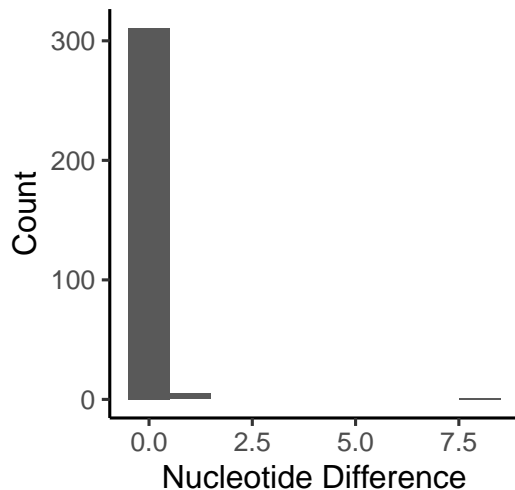
### TRBV7–3\*ap03

818 sequences assigned  
805 (98.4%) exact matches, in which:  
782 unique CDR3  
13 unique J



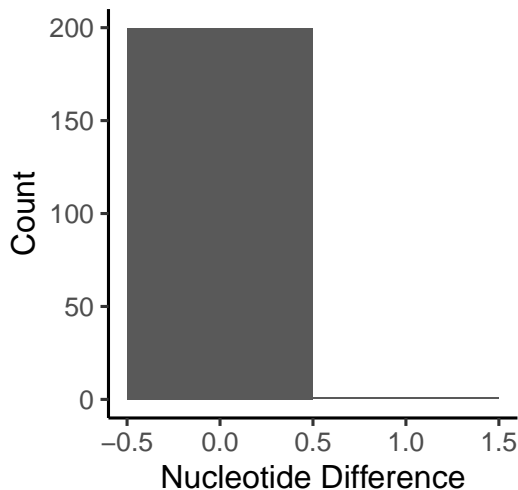
### TRBV7-4\*ap01

317 sequences assigned  
311 (98.1%) exact matches, in which:  
308 unique CDR3  
13 unique J



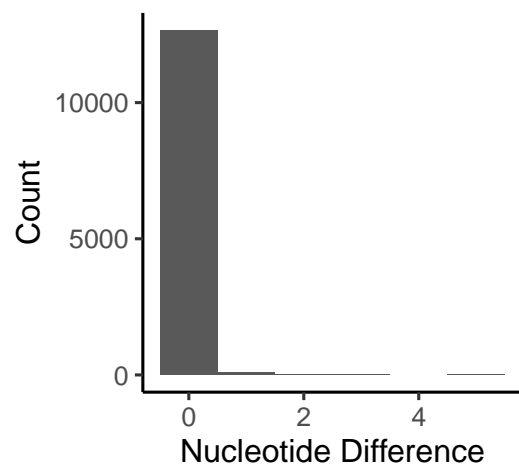
### TRBV7-7\*ap01\_C315T

201 sequences assigned  
200 (99.5%) exact matches, in which:  
199 unique CDR3  
13 unique J



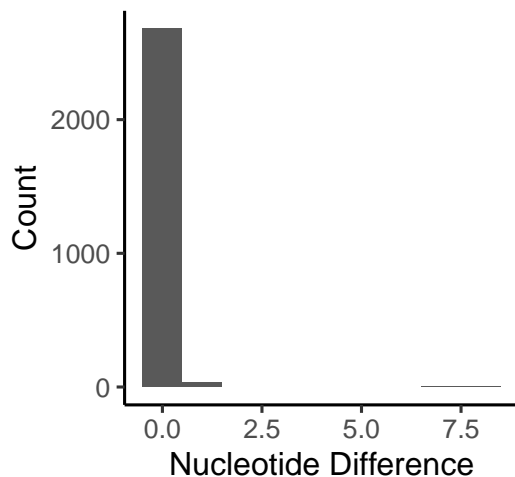
### TRBV7-9\*ap01

12768 sequences assigned  
12661 (99.2%) exact matches, in which:  
12434 unique CDR3  
13 unique J



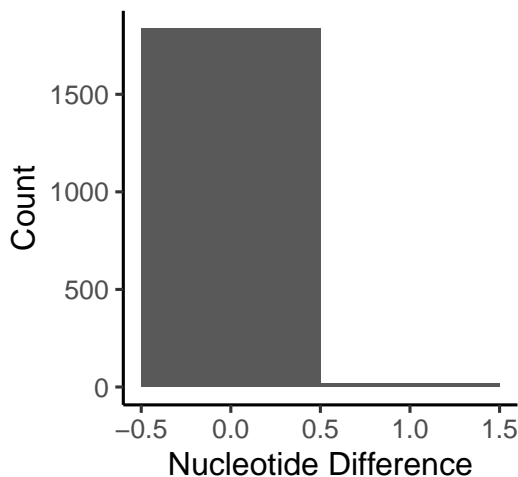
### TRBV7-6\*ap01

2719 sequences assigned  
2680 (98.6%) exact matches, in which:  
2608 unique CDR3  
13 unique J



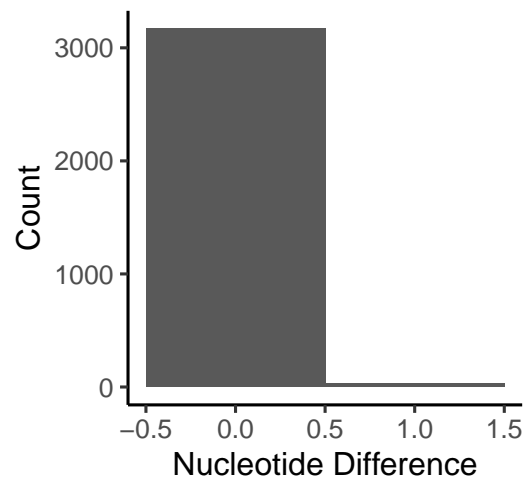
### TRBV7-8\*ap01

1854 sequences assigned  
1836 (99%) exact matches, in which:  
1810 unique CDR3  
13 unique J



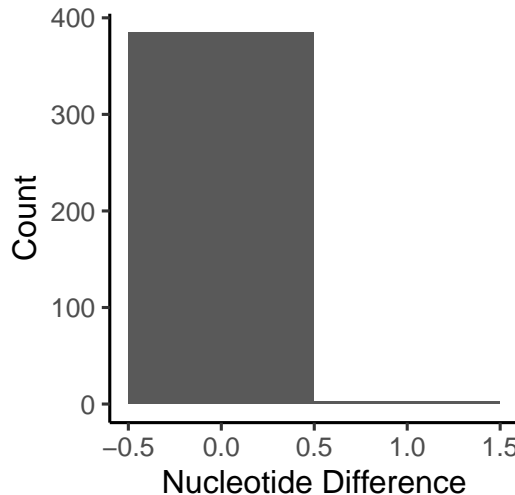
### TRBV29-1\*ap01

3203 sequences assigned  
3169 (98.9%) exact matches, in which:  
3121 unique CDR3  
13 unique J



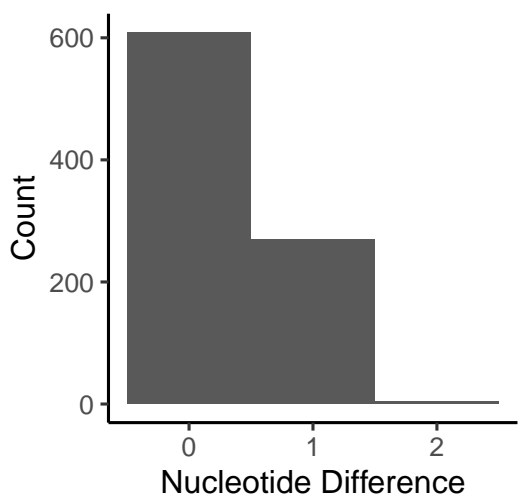
### TRBV7-7\*ap01

388 sequences assigned  
385 (99.2%) exact matches, in which:  
379 unique CDR3  
13 unique J



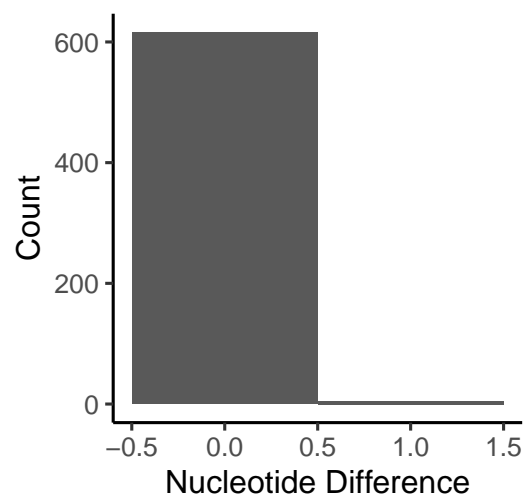
### TRBV7-8\*ap03

882 sequences assigned  
609 (69%) exact matches, in which:  
601 unique CDR3  
13 unique J

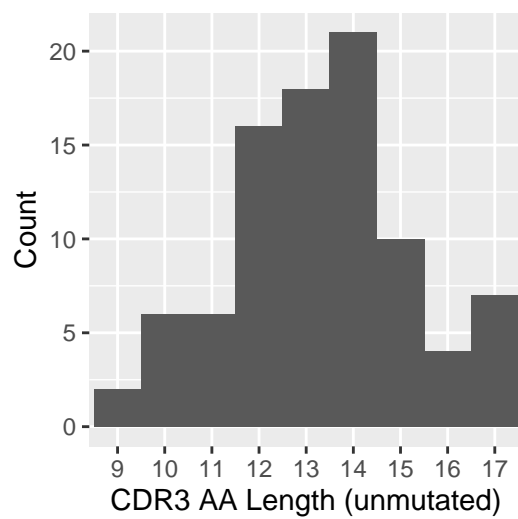


### TRBV29-1\*ap02

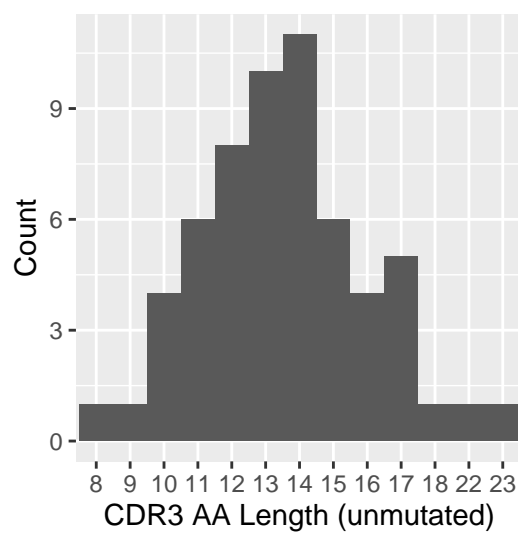
621 sequences assigned  
616 (99.2%) exact matches, in which:  
607 unique CDR3  
13 unique J



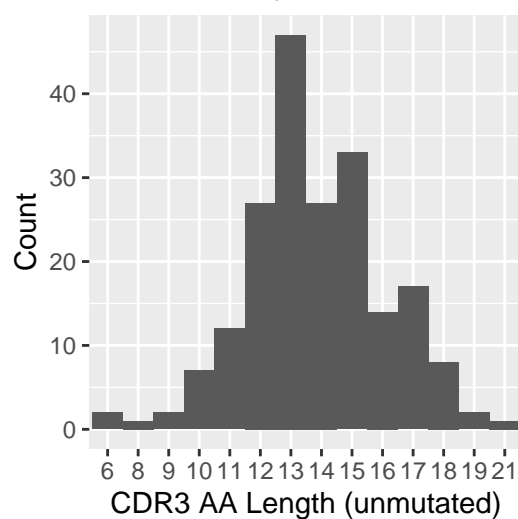
TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]