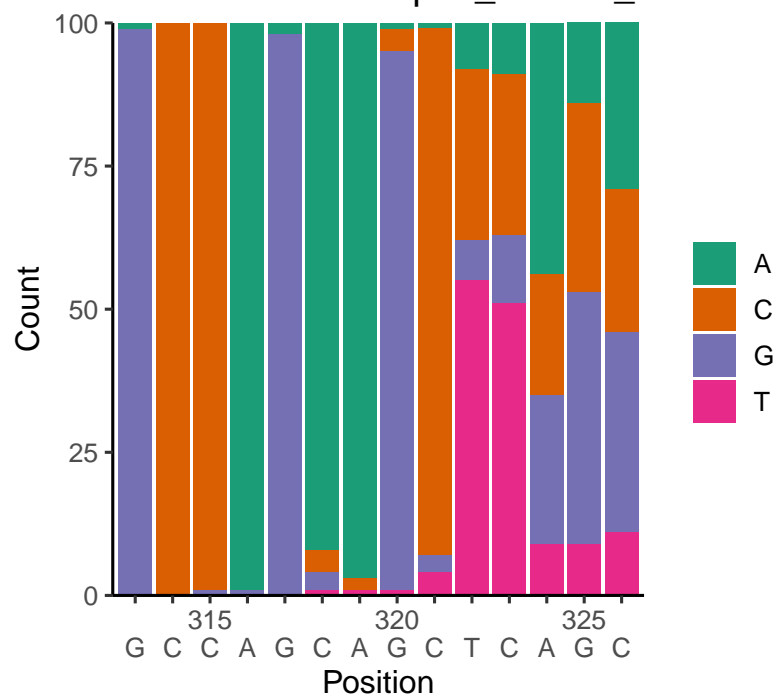
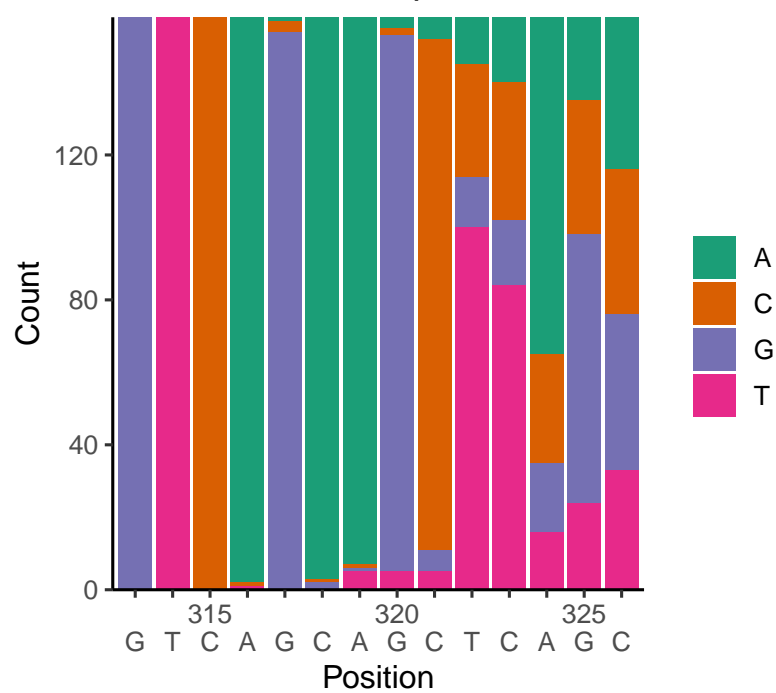


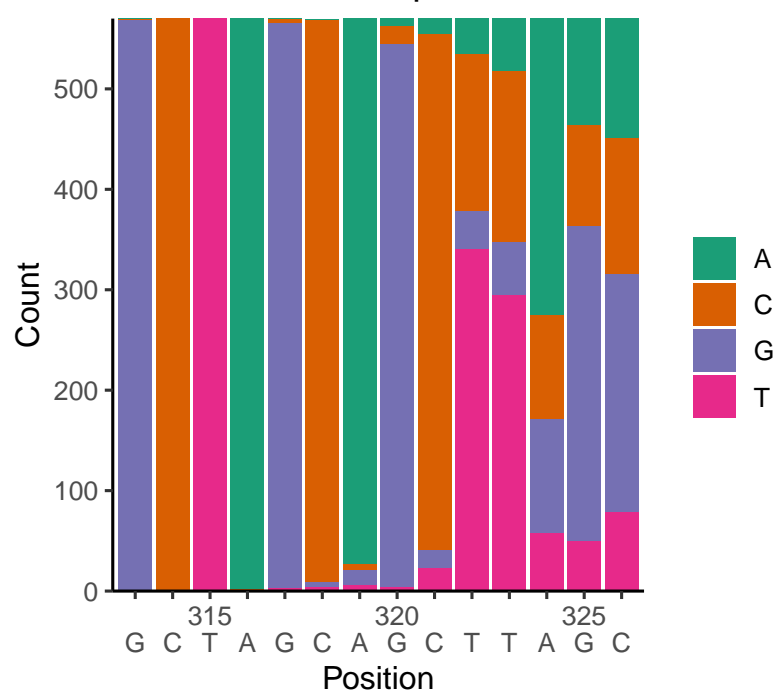
Gene TRBV7-1\*ap01\_G291C\_T296C



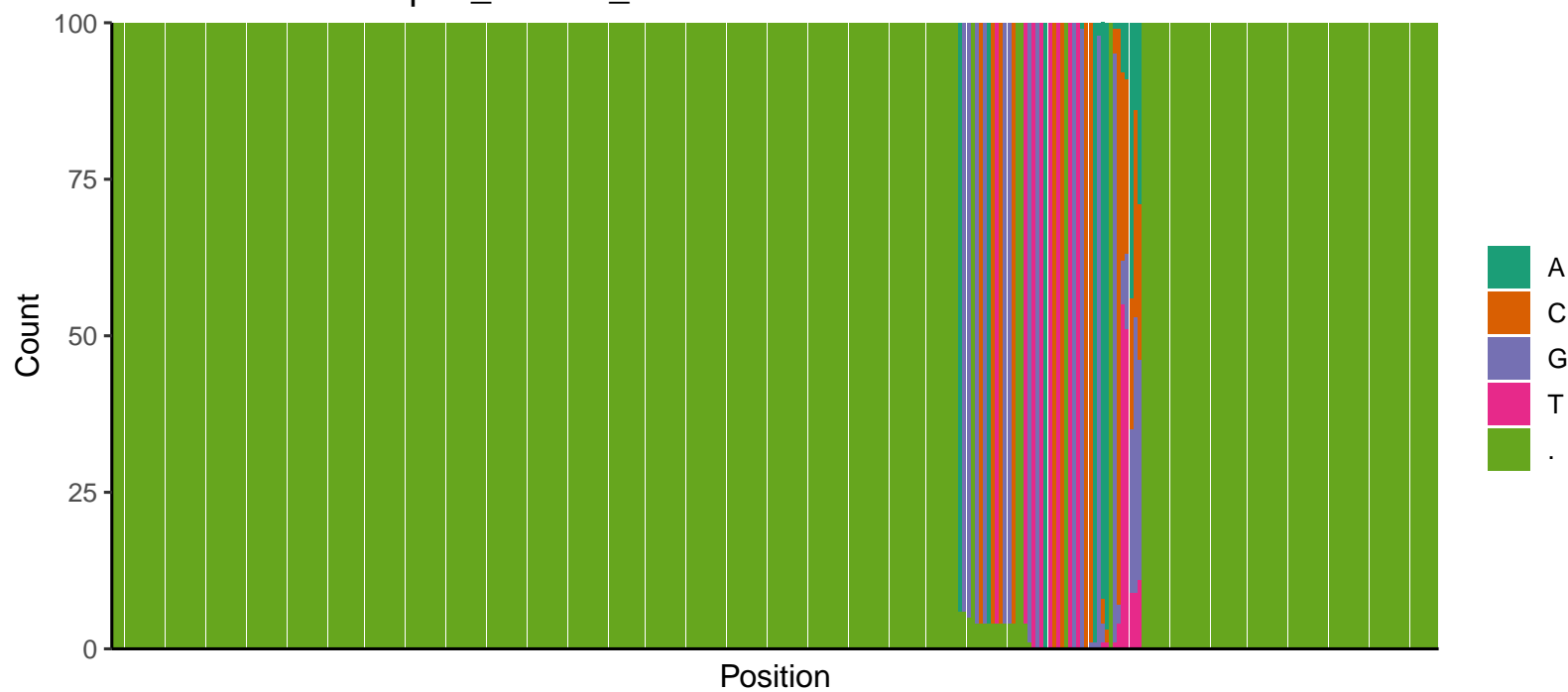
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



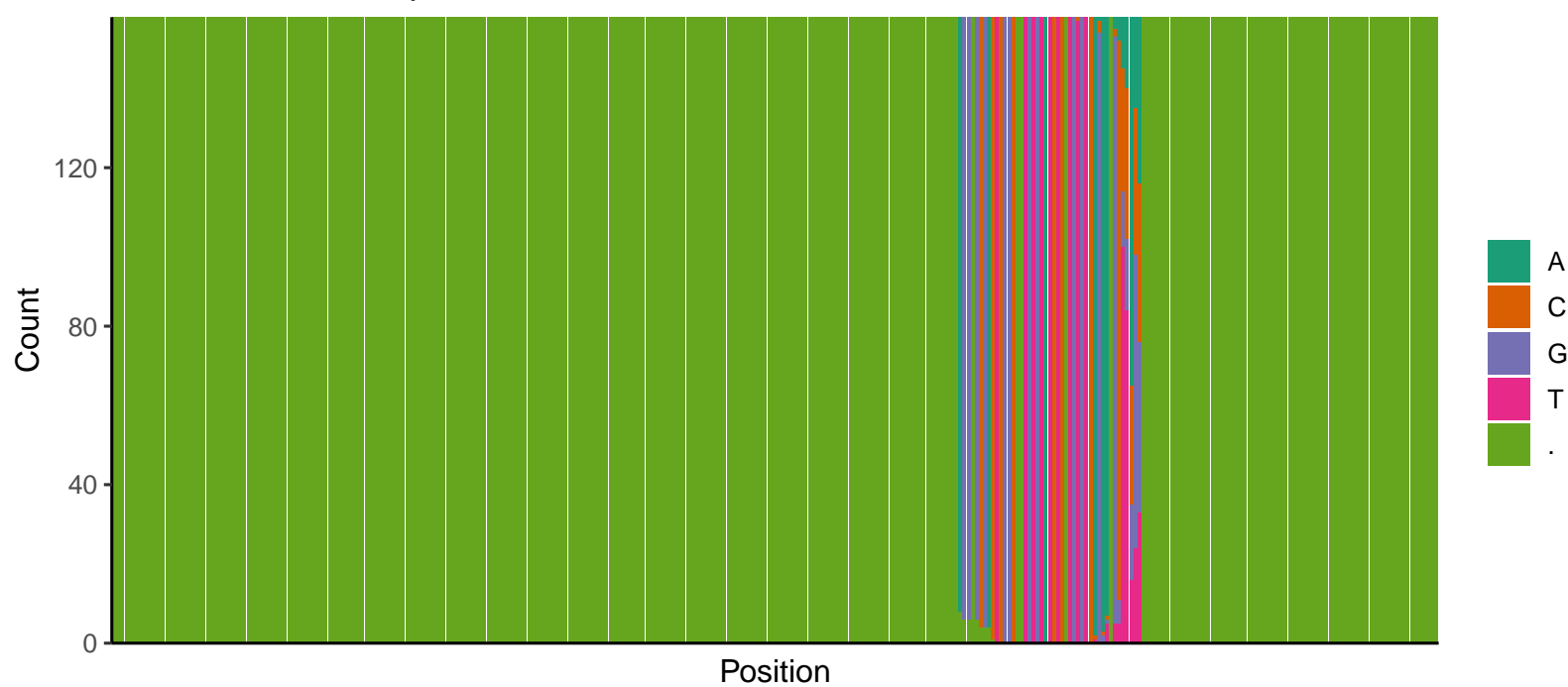
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C



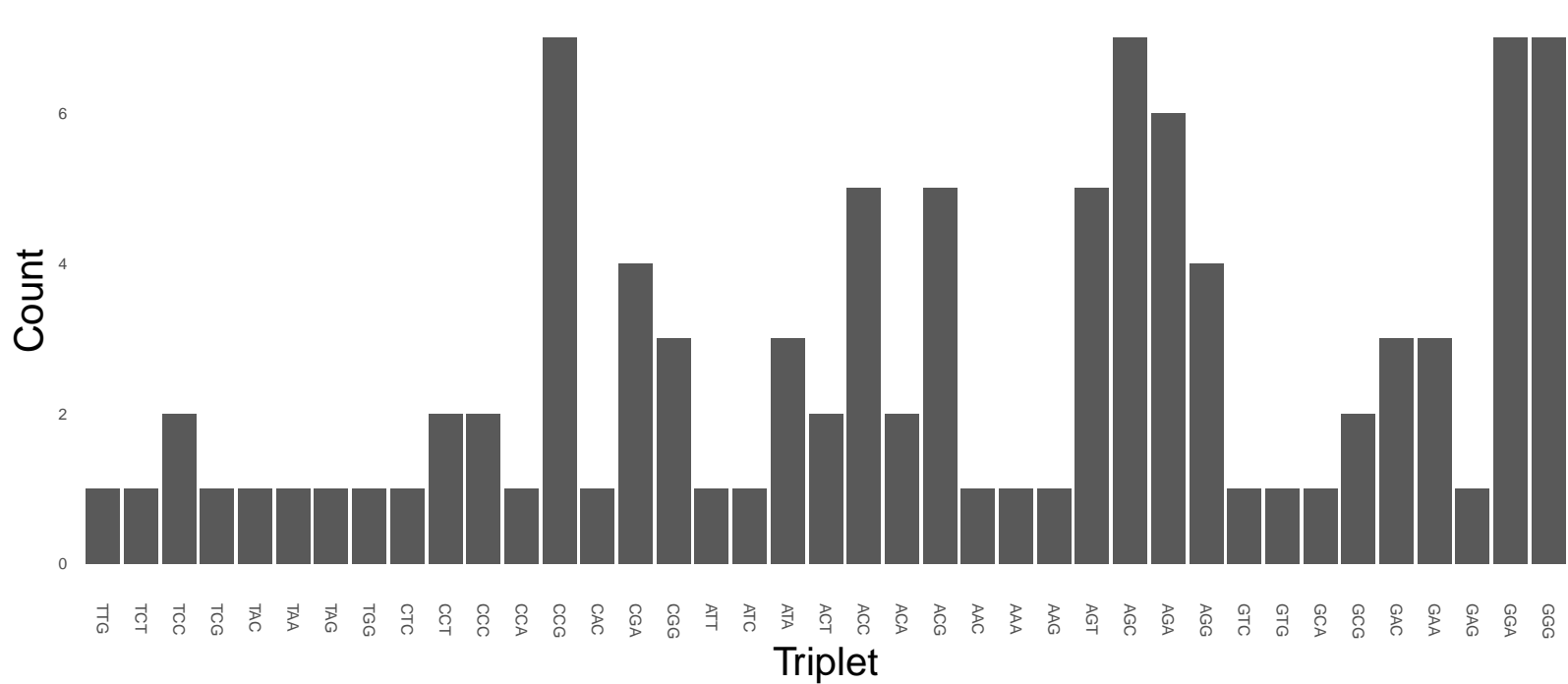
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



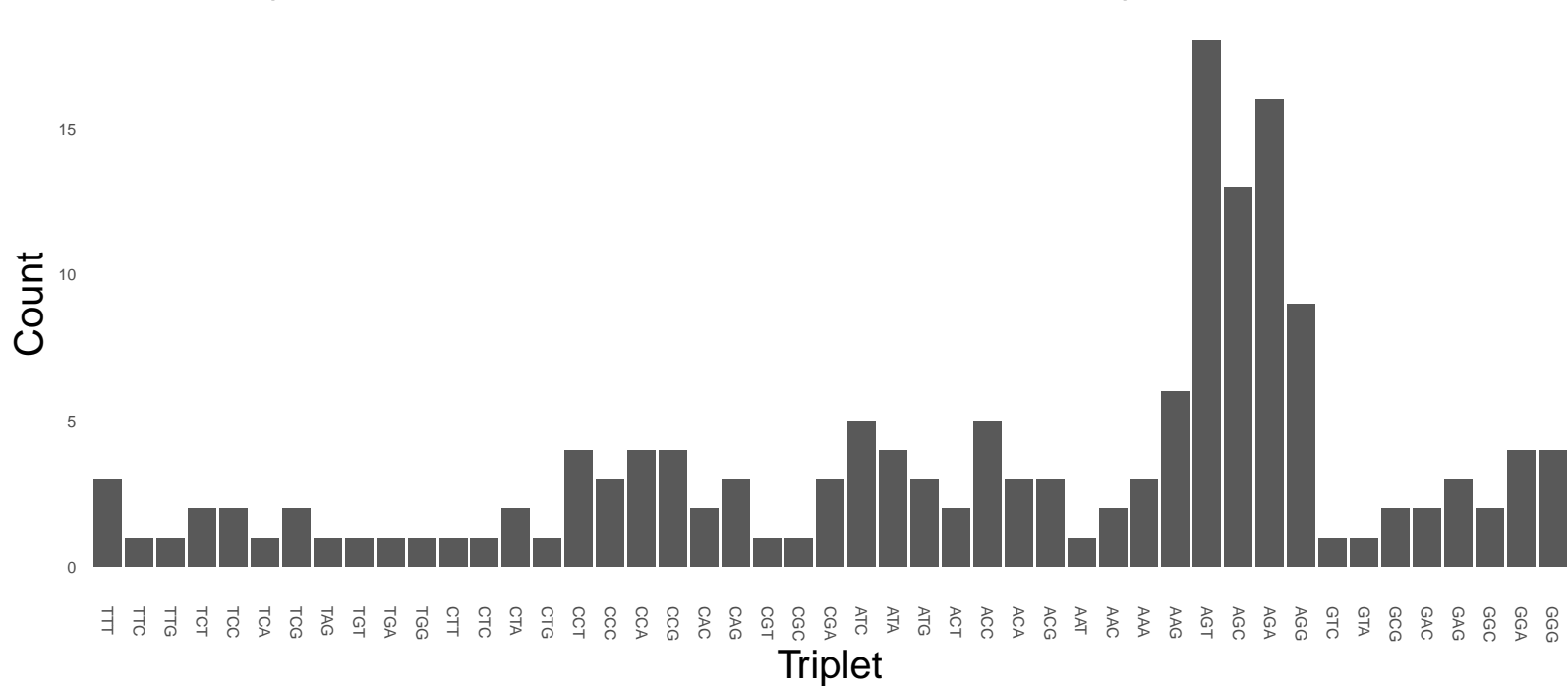
Gene TRBV7-7\*ap01\_C315T



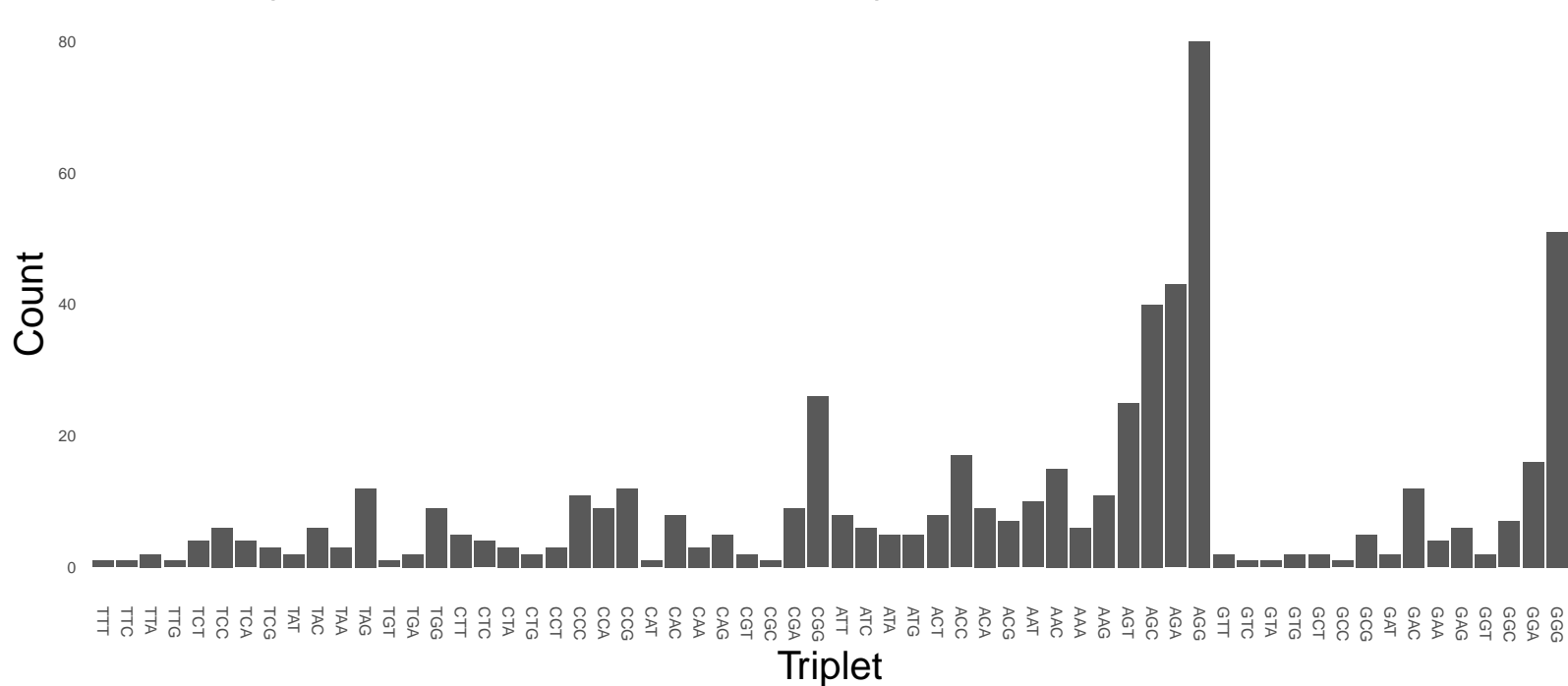
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

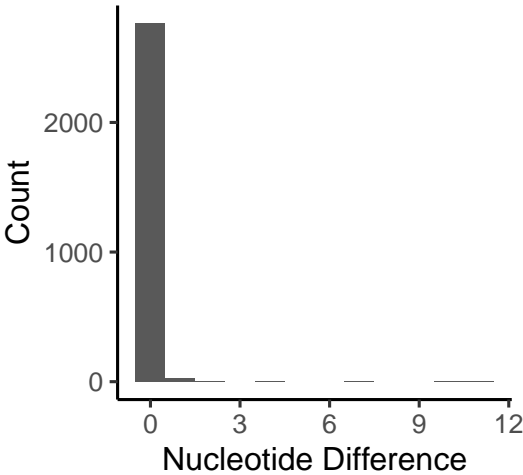


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



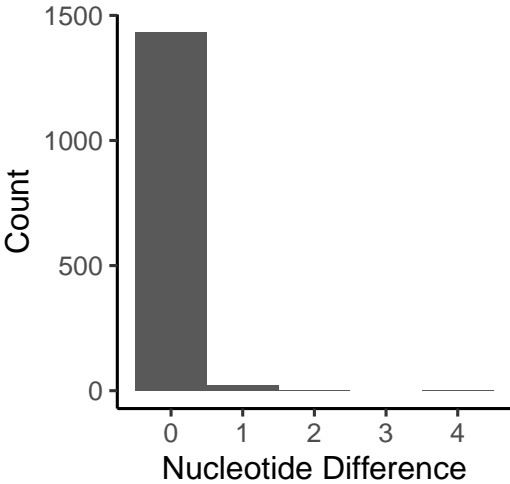
TRBV10-1\*ap01

2796 sequences assigned  
2764 (98.9%) exact matches, in which:  
2691 unique CDR3  
13 unique J



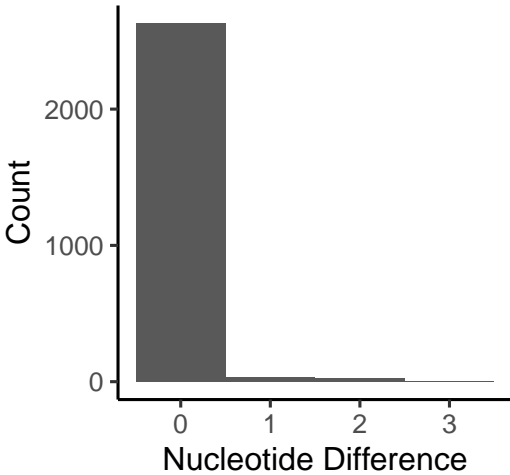
TRBV10-2\*ap01

1456 sequences assigned  
1432 (98.4%) exact matches, in which:  
1386 unique CDR3  
13 unique J



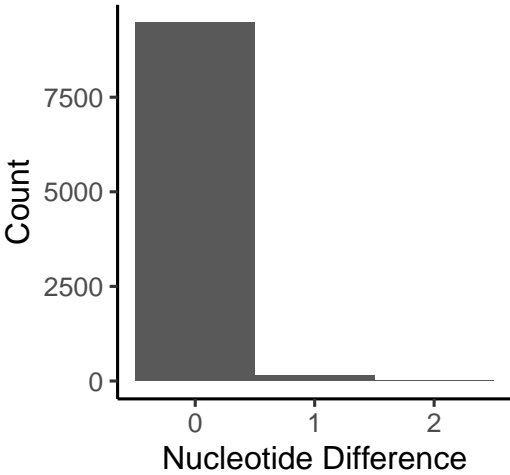
TRBV13\*ap01

2688 sequences assigned  
2629 (97.8%) exact matches, in which:  
2549 unique CDR3  
13 unique J



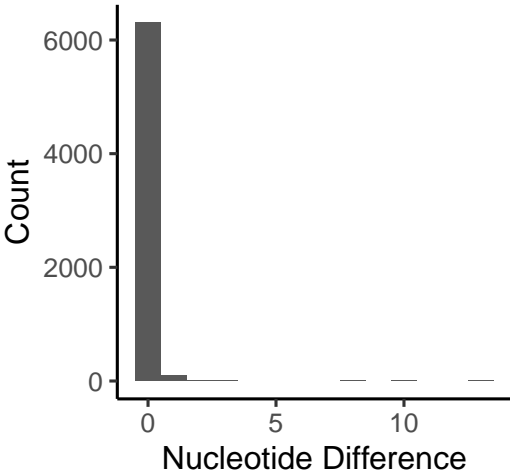
TRBV20-1\*ap01

9605 sequences assigned  
9468 (98.6%) exact matches, in which:  
9280 unique CDR3  
13 unique J



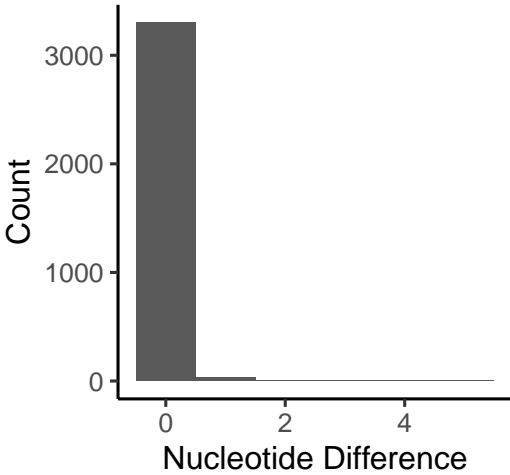
TRBV10-3\*ap01

6408 sequences assigned  
6304 (98.4%) exact matches, in which:  
6160 unique CDR3  
13 unique J



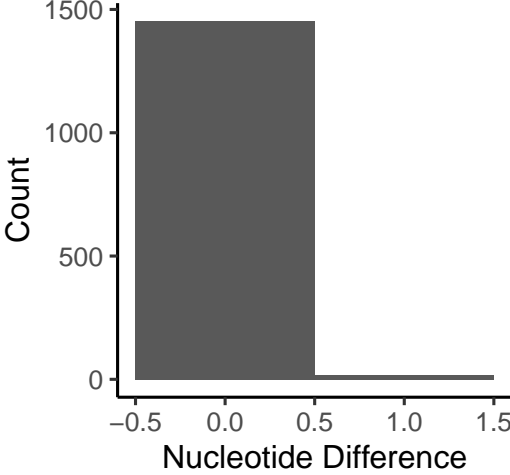
TRBV14\*ap01

3337 sequences assigned  
3300 (98.9%) exact matches, in which:  
3256 unique CDR3  
13 unique J



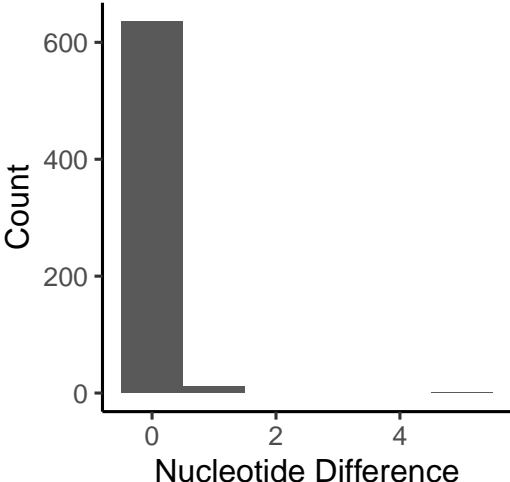
TRBV20-1\*ap02

1471 sequences assigned  
1453 (98.8%) exact matches, in which:  
1417 unique CDR3  
13 unique J



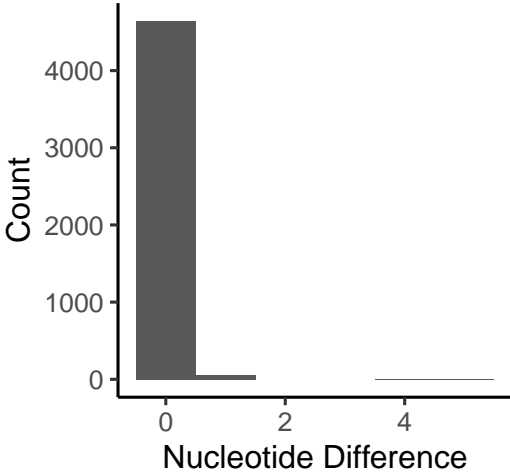
TRBV1\*ap01

648 sequences assigned  
636 (98.1%) exact matches, in which:  
619 unique CDR3  
13 unique J



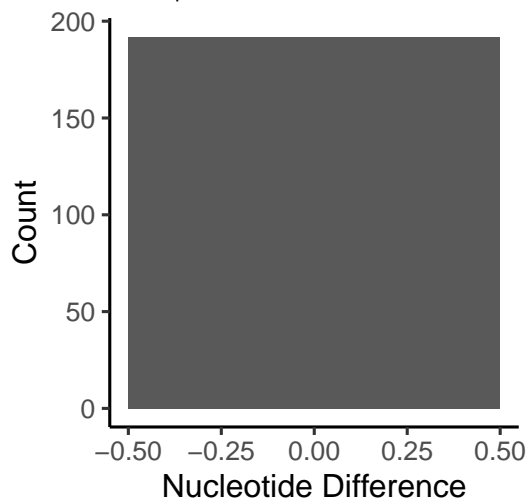
TRBV15\*ap02

4698 sequences assigned  
4642 (98.8%) exact matches, in which:  
4533 unique CDR3  
13 unique J



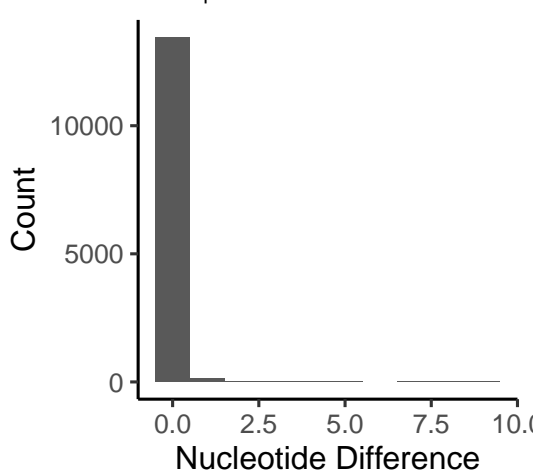
### TRBV16\*ap01

192 sequences assigned  
192 (100%) exact matches, in which:  
191 unique CDR3  
13 unique J



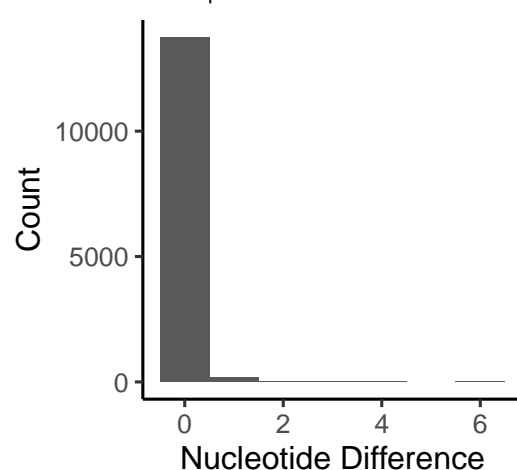
### TRBV19\*ap01

13622 sequences assigned  
13457 (98.8%) exact matches, in which:  
13326 unique CDR3  
13 unique J



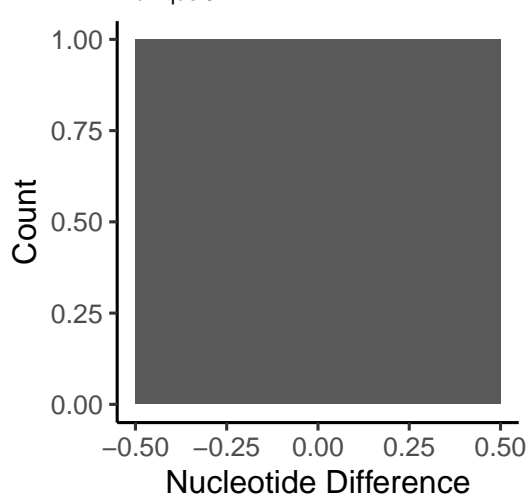
### TRBV27\*ap01

13957 sequences assigned  
13749 (98.5%) exact matches, in which:  
13389 unique CDR3  
13 unique J



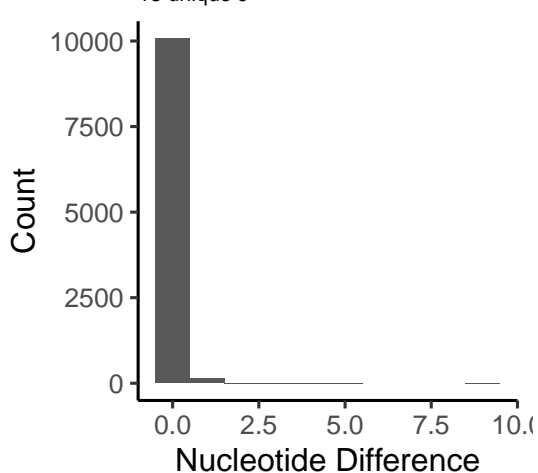
### TRBV17\*ap01

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



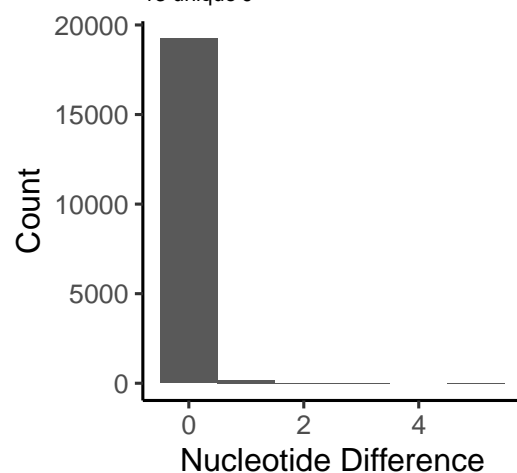
### TRBV2\*ap01

10226 sequences assigned  
10074 (98.5%) exact matches, in which:  
9808 unique CDR3  
13 unique J



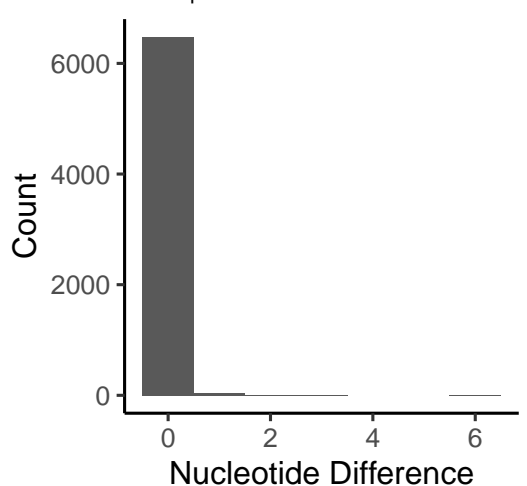
### TRBV28\*ap01

19424 sequences assigned  
19246 (99.1%) exact matches, in which:  
18922 unique CDR3  
13 unique J



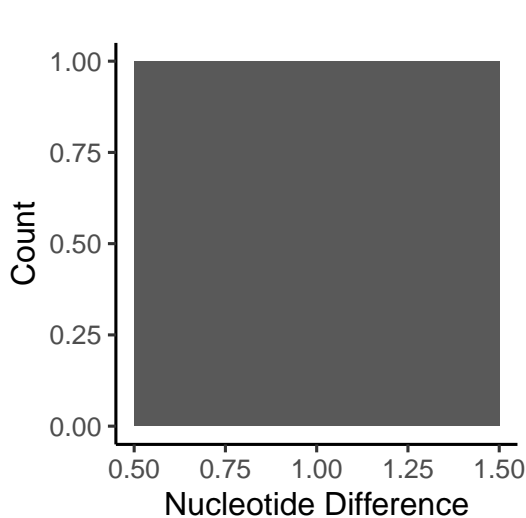
### TRBV18\*ap01

6519 sequences assigned  
6476 (99.3%) exact matches, in which:  
6429 unique CDR3  
13 unique J



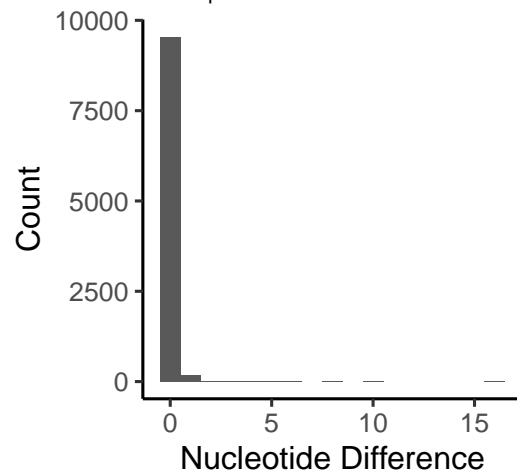
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



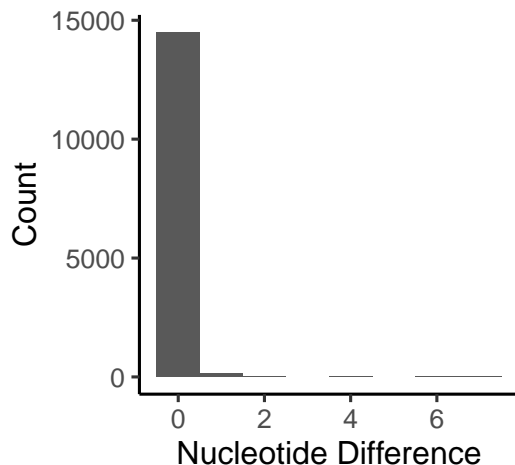
### TRBV30\*ap01

9737 sequences assigned  
9545 (98%) exact matches, in which:  
9338 unique CDR3  
13 unique J



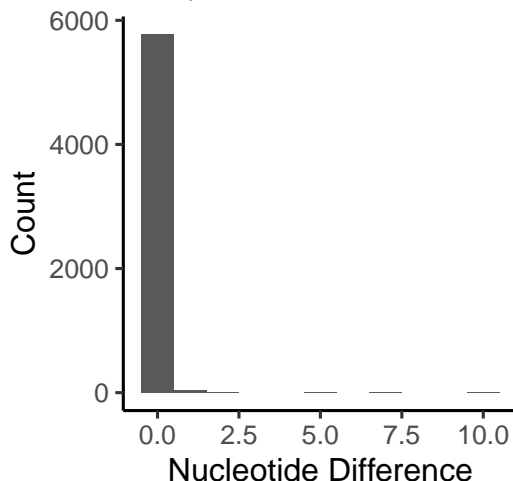
### TRBV9\*ap01

14671 sequences assigned  
14500 (98.8%) exact matches, in which:  
14246 unique CDR3  
13 unique J



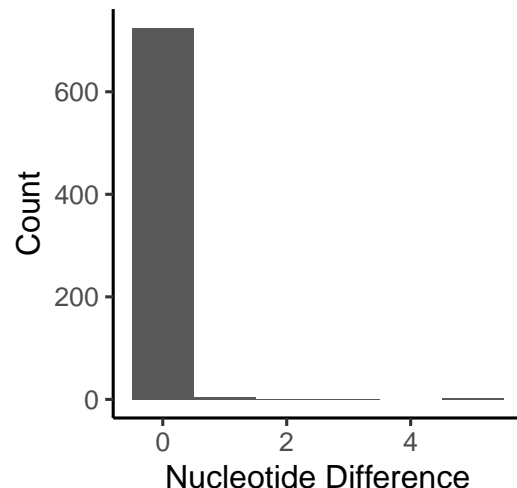
### TRBV11-2\*ap01

5824 sequences assigned  
5773 (99.1%) exact matches, in which:  
5701 unique CDR3  
13 unique J



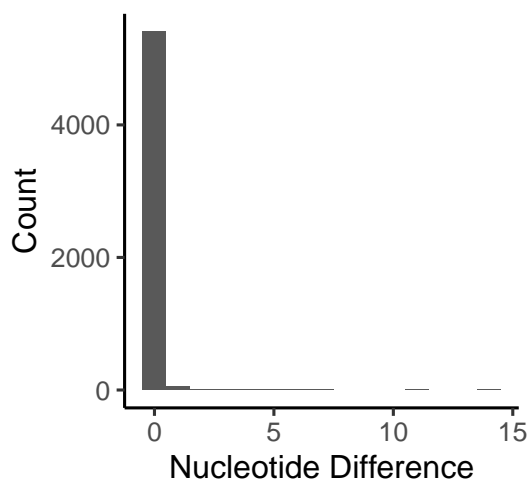
### TRBV12-2\*ap01

734 sequences assigned  
725 (98.8%) exact matches, in which:  
716 unique CDR3  
13 unique J



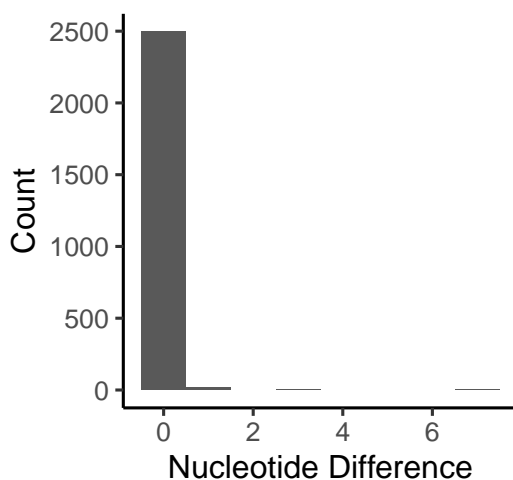
### TRBV21-1\*ap01

5483 sequences assigned  
5406 (98.6%) exact matches, in which:  
5341 unique CDR3  
13 unique J



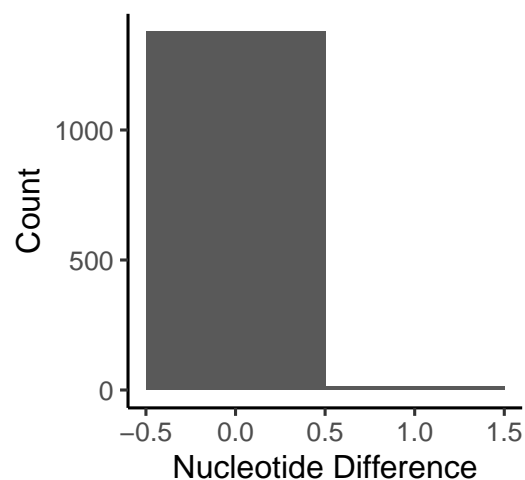
### TRBV11-3\*ap01

2517 sequences assigned  
2496 (99.2%) exact matches, in which:  
2466 unique CDR3  
13 unique J



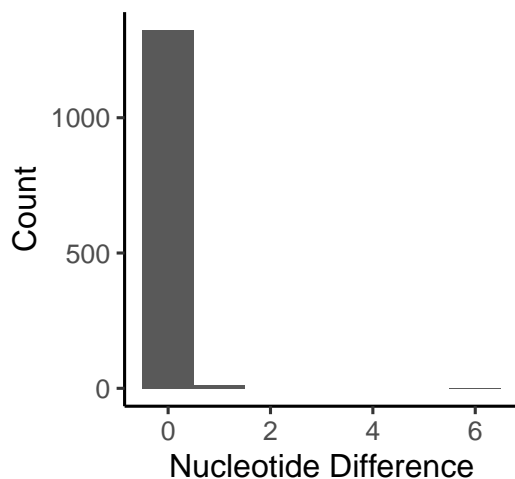
### TRBV12-5\*ap01

1393 sequences assigned  
1378 (98.9%) exact matches, in which:  
1359 unique CDR3  
13 unique J



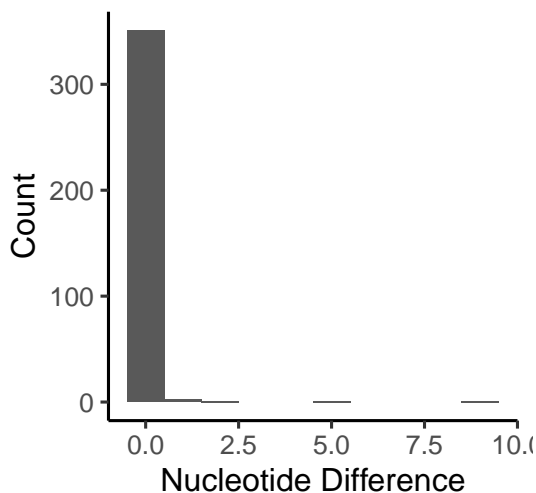
### TRBV11-1\*ap01

1337 sequences assigned  
1324 (99%) exact matches, in which:  
1309 unique CDR3  
13 unique J



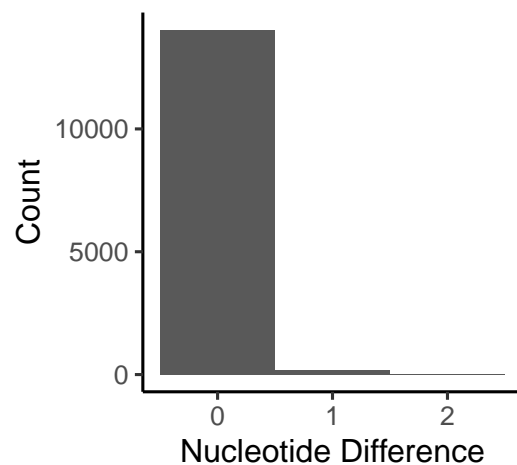
### TRBV12-1\*ap01

356 sequences assigned  
351 (98.6%) exact matches, in which:  
342 unique CDR3  
13 unique J



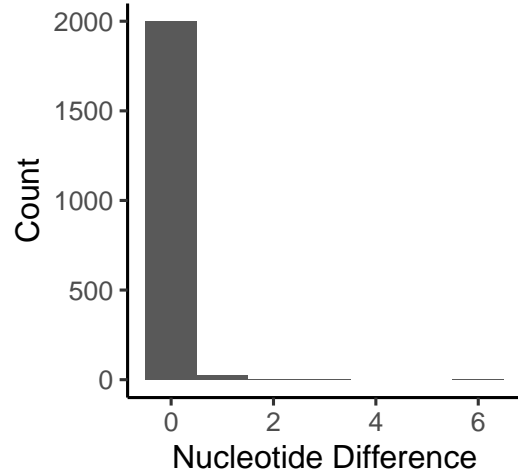
### TRBV12-34\*ap01

14210 sequences assigned  
14036 (98.8%) exact matches, in which:  
13713 unique CDR3  
13 unique J



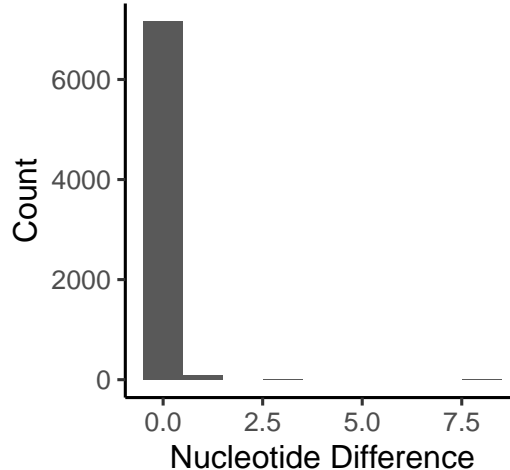
### TRBV23-1\*ap01

2027 sequences assigned  
1999 (98.6%) exact matches, in which:  
1961 unique CDR3  
13 unique J



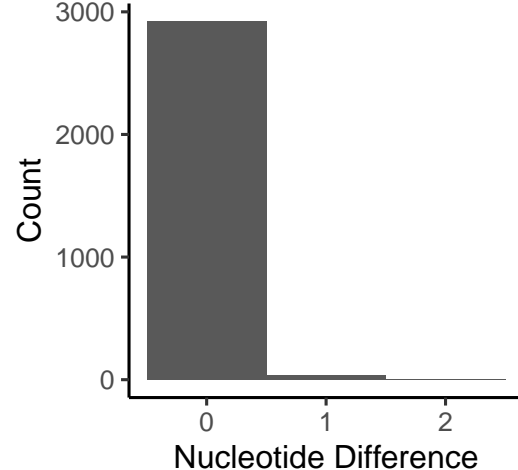
### TRBV4-1\*ap01

7249 sequences assigned  
7161 (98.8%) exact matches, in which:  
6943 unique CDR3  
13 unique J



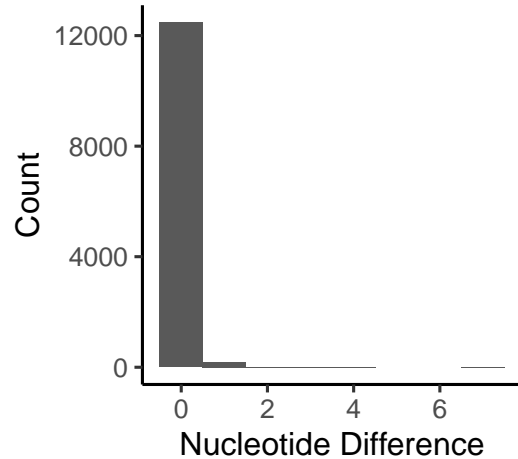
### TRBV25-1\*ap01

2968 sequences assigned  
2922 (98.5%) exact matches, in which:  
2846 unique CDR3  
13 unique J



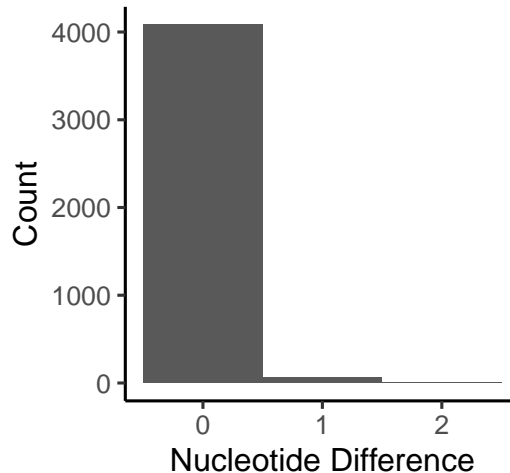
### TRBV3-12\*ap01

12666 sequences assigned  
12475 (98.5%) exact matches, in which:  
12159 unique CDR3  
13 unique J



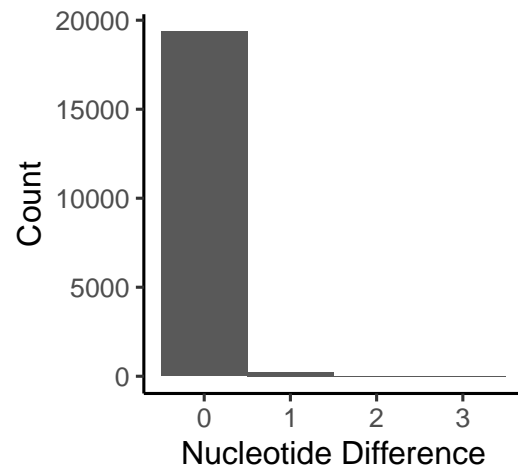
### TRBV4-2\*ap01

4146 sequences assigned  
4083 (98.5%) exact matches, in which:  
3967 unique CDR3  
13 unique J



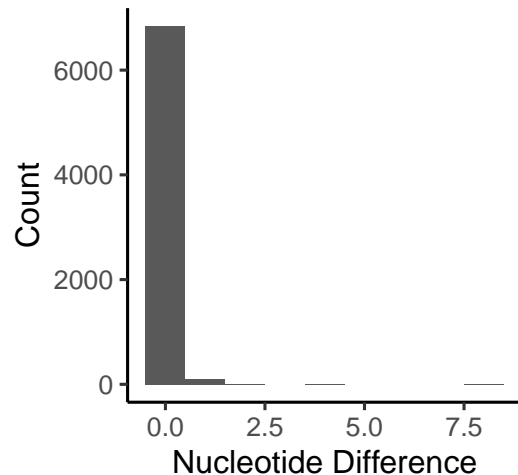
### TRBV5-1\*ap01

19599 sequences assigned  
19368 (98.8%) exact matches, in which:  
18783 unique CDR3  
14 unique J



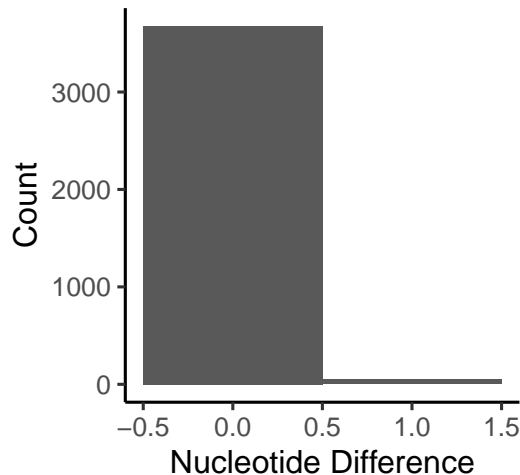
### TRBV24-1\*ap01

6950 sequences assigned  
6842 (98.4%) exact matches, in which:  
6674 unique CDR3  
13 unique J



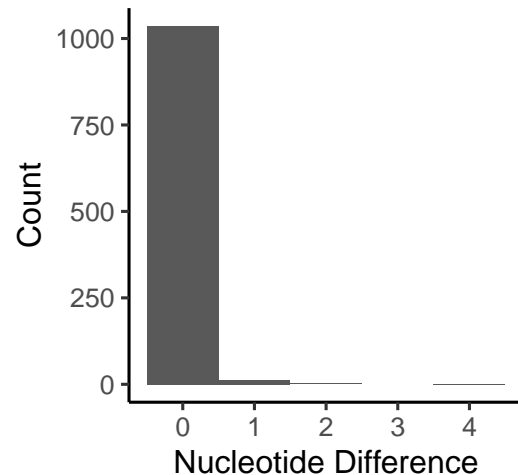
### TRBV4-3\*ap01

3727 sequences assigned  
3677 (98.7%) exact matches, in which:  
3581 unique CDR3  
13 unique J



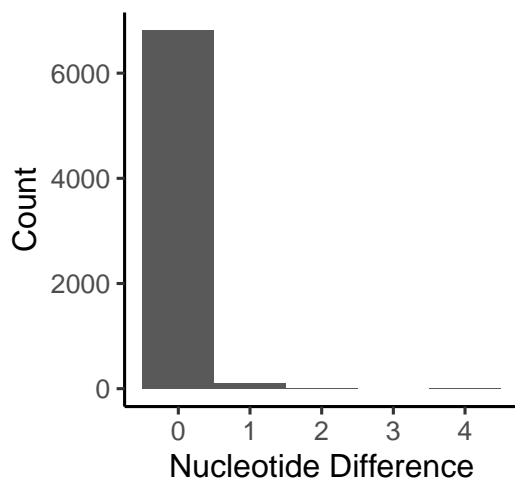
### TRBV5-3\*ap01

1051 sequences assigned  
1036 (98.6%) exact matches, in which:  
1023 unique CDR3  
13 unique J



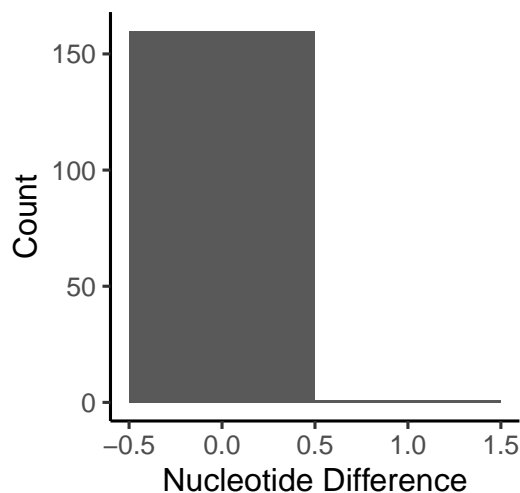
### TRBV5-4\*ap01

6916 sequences assigned  
6813 (98.5%) exact matches, in which:  
6641 unique CDR3  
13 unique J



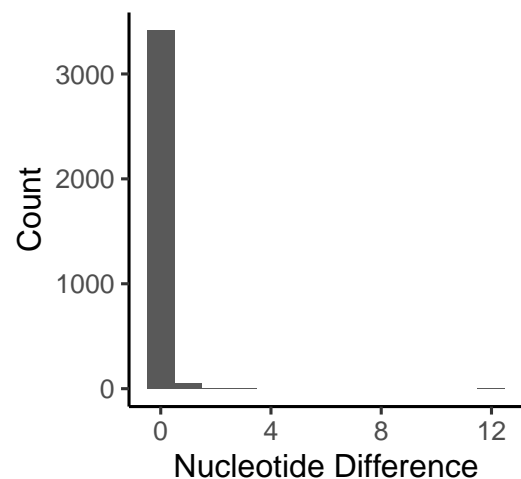
### TRBV5-7\*ap01

161 sequences assigned  
160 (99.4%) exact matches, in which:  
158 unique CDR3  
13 unique J



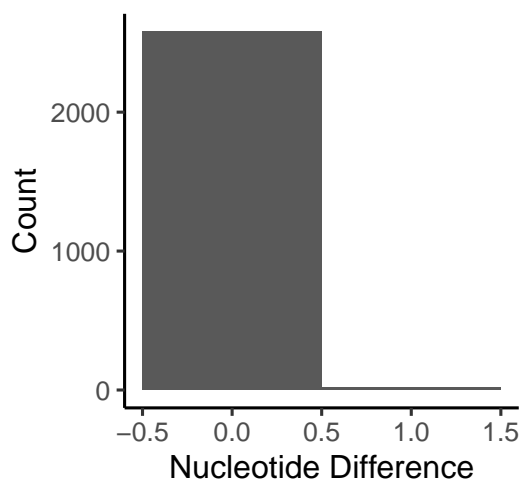
### TRBV6-4\*ap01

3477 sequences assigned  
3415 (98.2%) exact matches, in which:  
3357 unique CDR3  
13 unique J



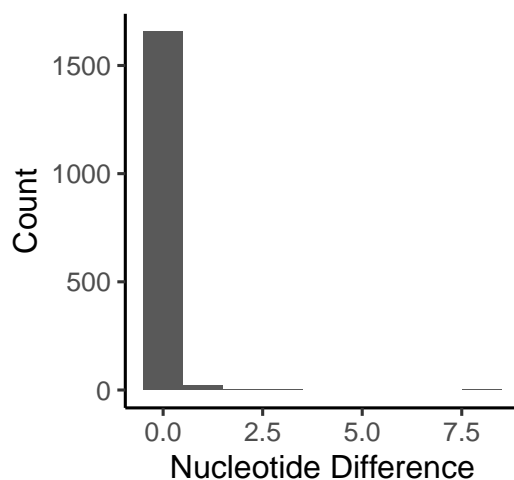
### TRBV5-5\*ap01

2597 sequences assigned  
2579 (99.3%) exact matches, in which:  
2553 unique CDR3  
13 unique J



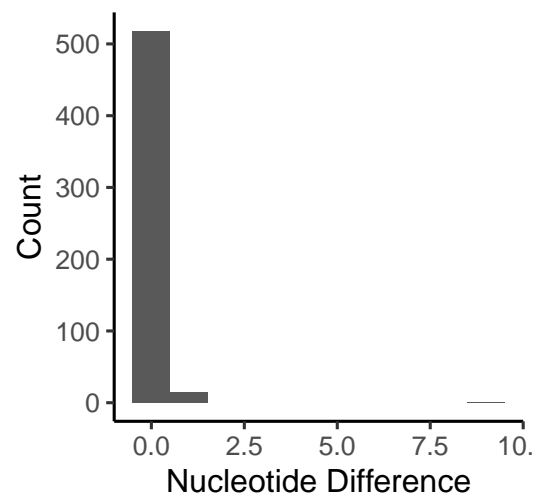
### TRBV5-8\*ap01

1680 sequences assigned  
1656 (98.6%) exact matches, in which:  
1633 unique CDR3  
13 unique J



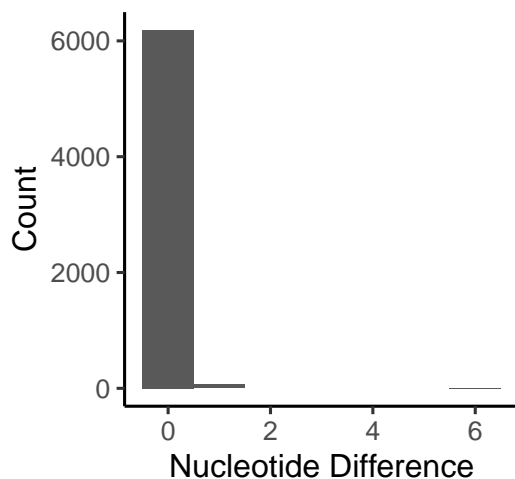
### TRBV6-7\*ap01

533 sequences assigned  
518 (97.2%) exact matches, in which:  
501 unique CDR3  
13 unique J



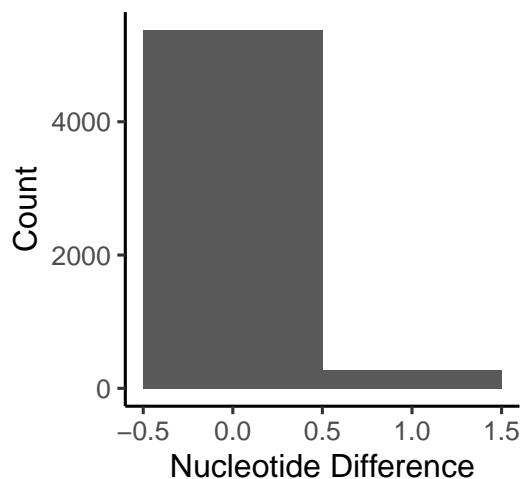
### TRBV5-6\*ap01

6257 sequences assigned  
6187 (98.9%) exact matches, in which:  
6013 unique CDR3  
13 unique J



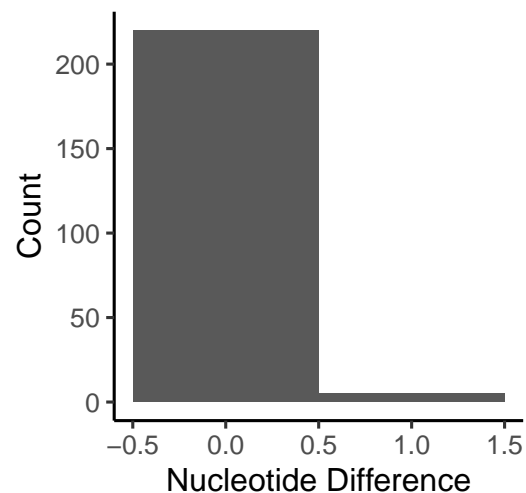
### TRBV6-1\*ap01

5651 sequences assigned  
5376 (95.1%) exact matches, in which:  
5238 unique CDR3  
13 unique J



### TRBV6-8\*ap01

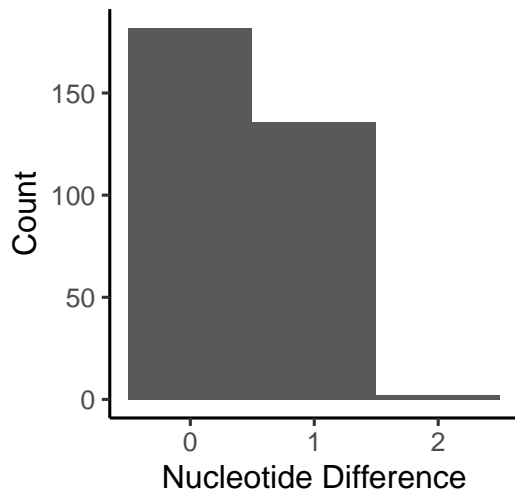
225 sequences assigned  
220 (97.8%) exact matches, in which:  
212 unique CDR3  
13 unique J





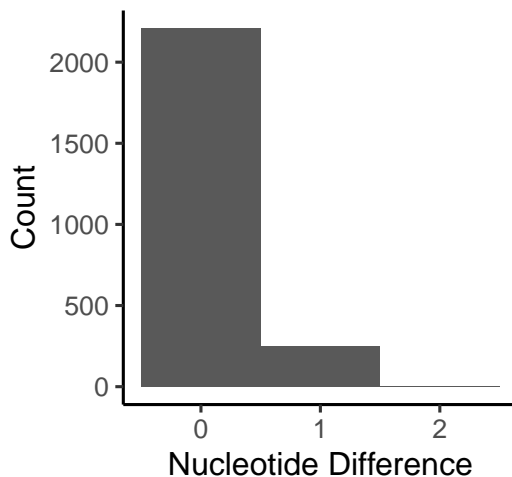
### TRBV6–9\*ap01

320 sequences assigned  
182 (56.9%) exact matches, in which:  
175 unique CDR3  
13 unique J



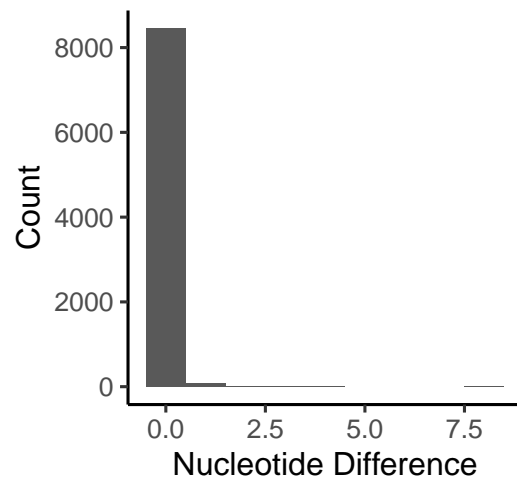
### TRBV6–56\*ap02

2461 sequences assigned  
2208 (89.7%) exact matches, in which:  
2140 unique CDR3  
13 unique J



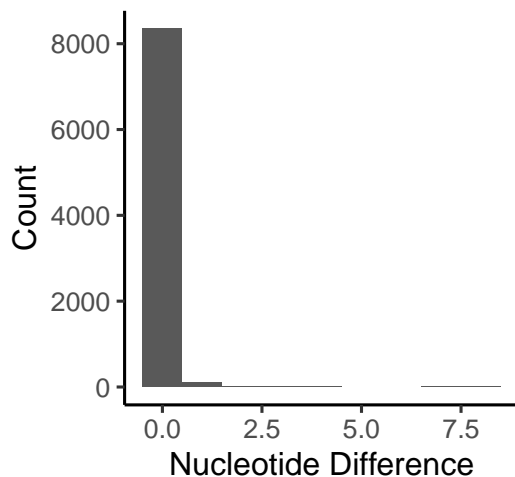
### TRBV7–2\*ap01

8538 sequences assigned  
8452 (99%) exact matches, in which:  
8300 unique CDR3  
13 unique J



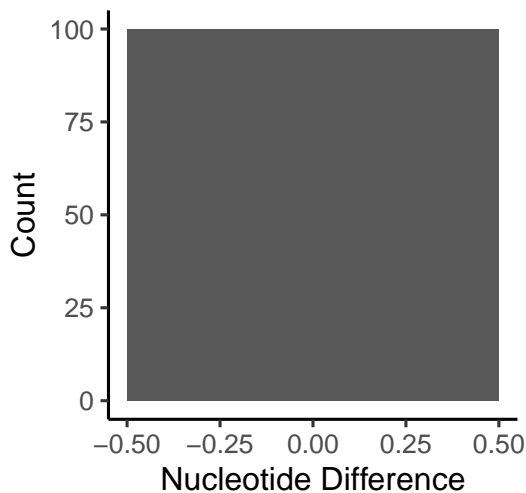
### TRBV6–23\*ap01

8475 sequences assigned  
8349 (98.5%) exact matches, in which:  
8083 unique CDR3  
13 unique J



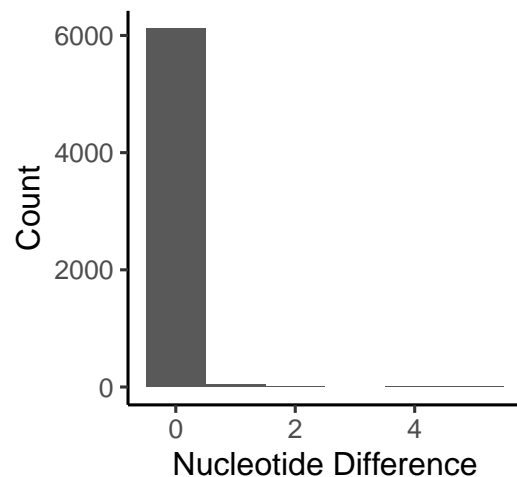
### TRBV7–1\*ap01\_G291C\_

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



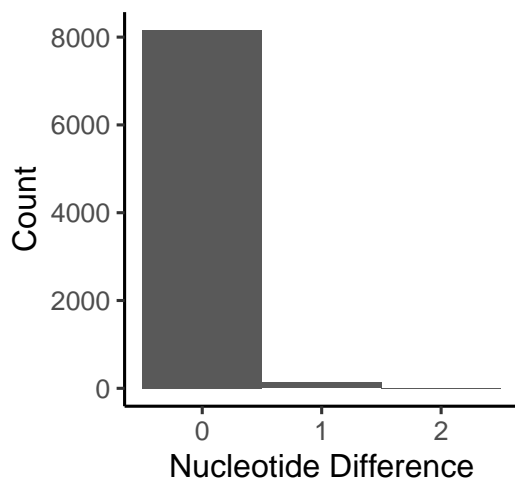
### TRBV7–3\*ap01

6171 sequences assigned  
6115 (99.1%) exact matches, in which:  
6032 unique CDR3  
13 unique J



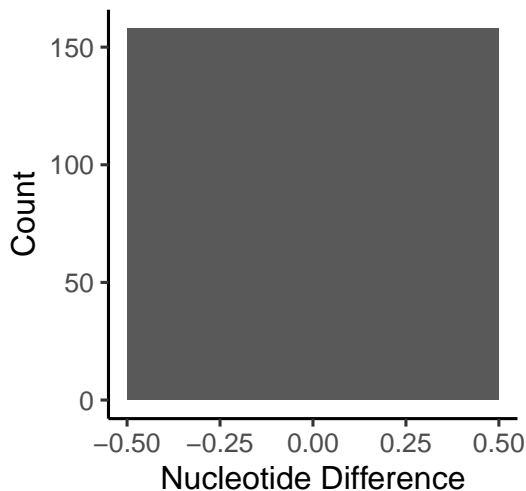
### TRBV6–56\*ap01

8291 sequences assigned  
8161 (98.4%) exact matches, in which:  
7913 unique CDR3  
13 unique J



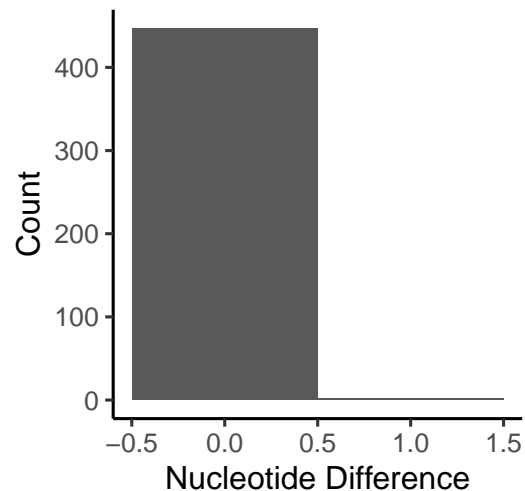
### TRBV7–1\*ap01\_G291C\_

158 sequences assigned  
158 (100%) exact matches, in which:  
156 unique CDR3  
13 unique J



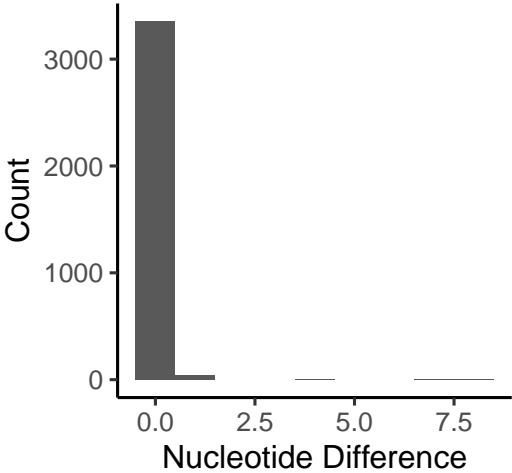
### TRBV7–4\*ap01

449 sequences assigned  
447 (99.6%) exact matches, in which:  
442 unique CDR3  
13 unique J



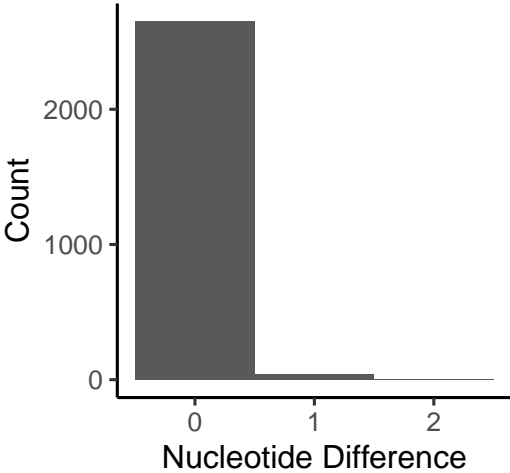
TRBV7-6\*ap01

3395 sequences assigned  
3353 (98.8%) exact matches, in which:  
3293 unique CDR3  
13 unique J



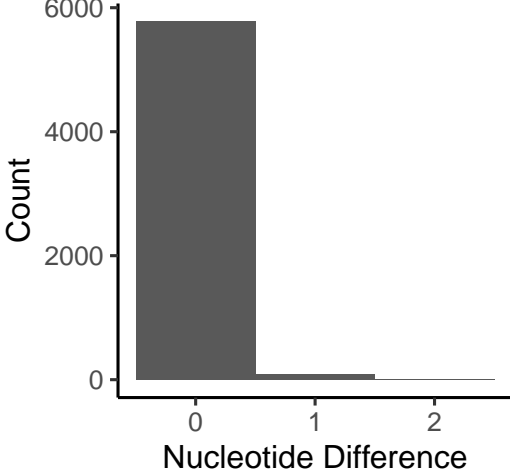
TRBV7-8\*ap01

2688 sequences assigned  
2650 (98.6%) exact matches, in which:  
2581 unique CDR3  
13 unique J



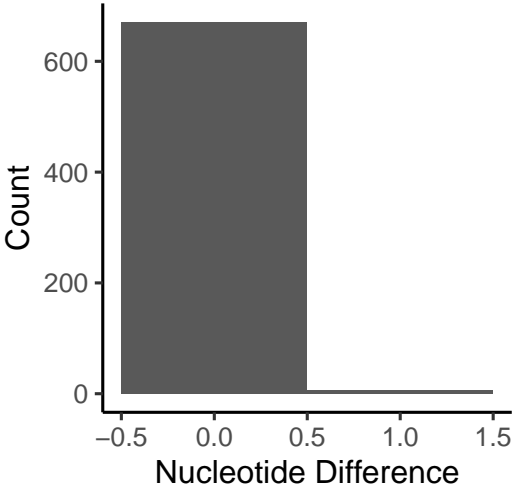
TRBV29-1\*ap01

5868 sequences assigned  
5779 (98.5%) exact matches, in which:  
5614 unique CDR3  
13 unique J



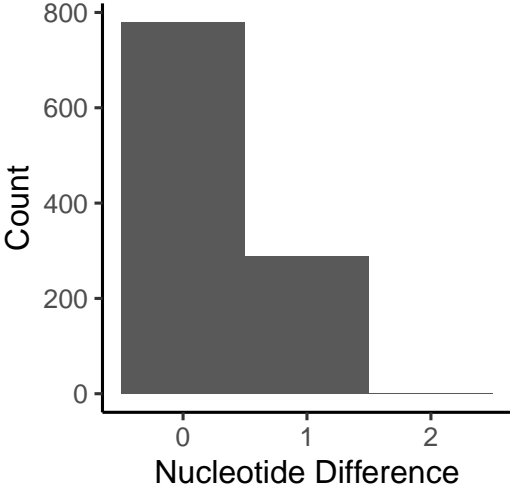
TRBV7-7\*ap01

678 sequences assigned  
671 (99%) exact matches, in which:  
656 unique CDR3  
13 unique J



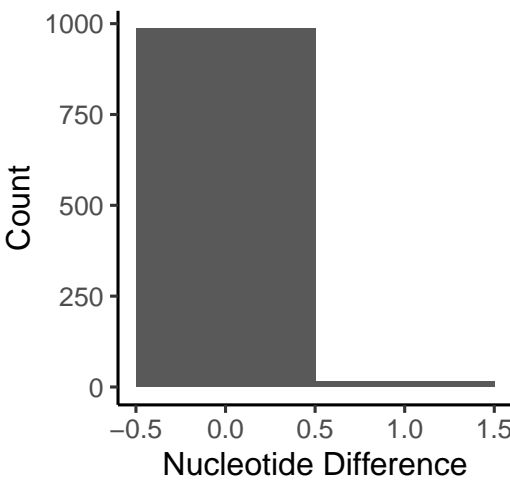
TRBV7-8\*ap03

1071 sequences assigned  
780 (72.8%) exact matches, in which:  
758 unique CDR3  
13 unique J



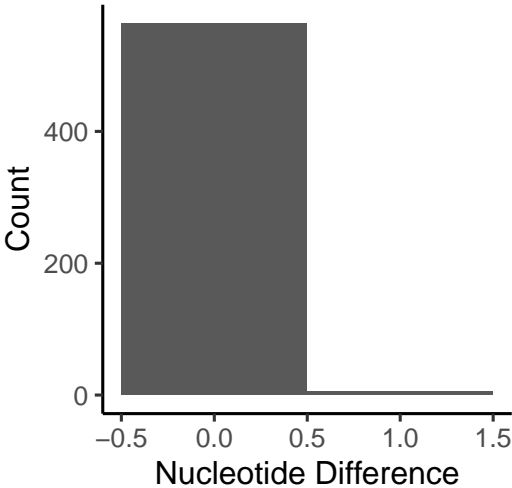
TRBV29-1\*ap02

1001 sequences assigned  
986 (98.5%) exact matches, in which:  
958 unique CDR3  
13 unique J



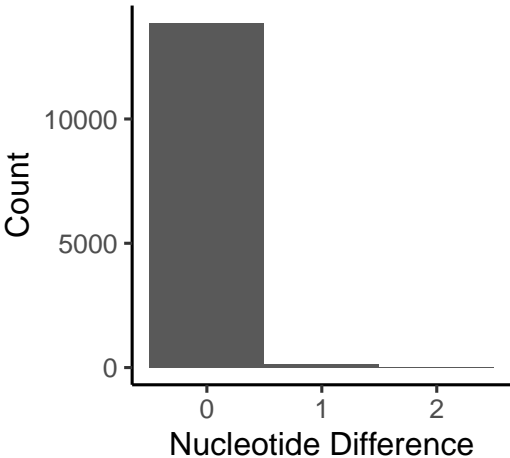
TRBV7-7\*ap01\_C315T

570 sequences assigned  
564 (98.9%) exact matches, in which:  
556 unique CDR3  
13 unique J

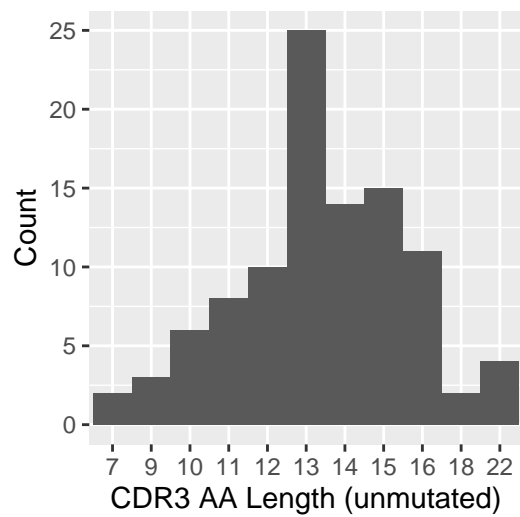


TRBV7-9\*ap01

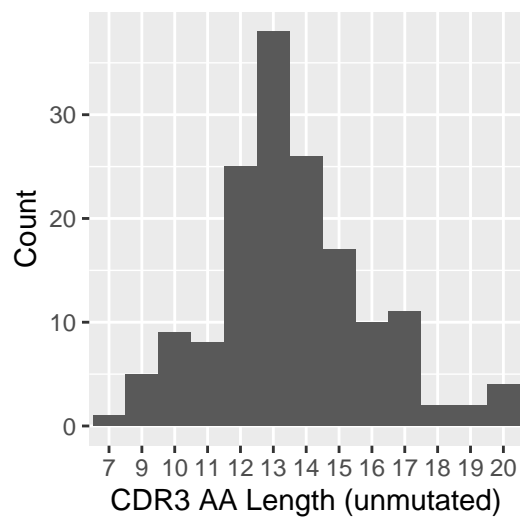
14018 sequences assigned  
13870 (98.9%) exact matches, in which:  
13639 unique CDR3  
13 unique J



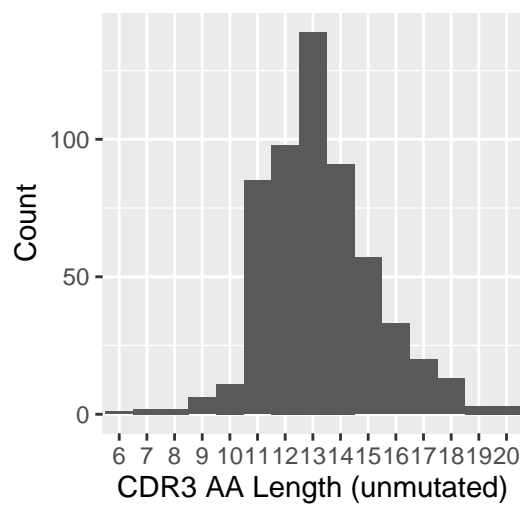
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.