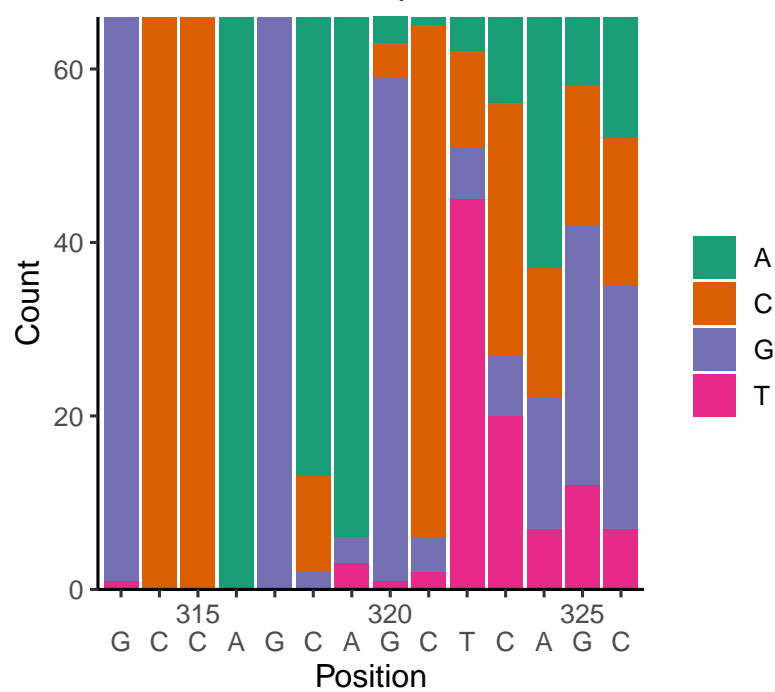
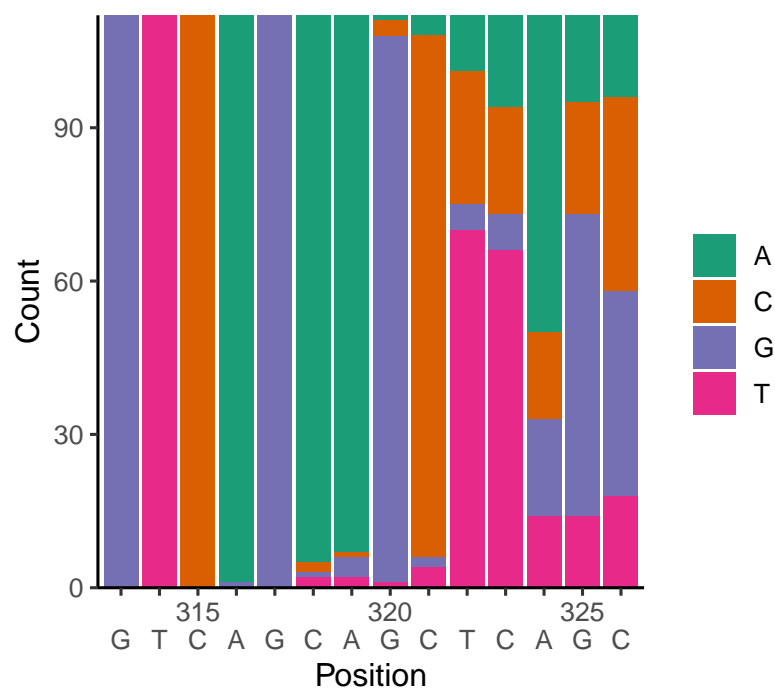


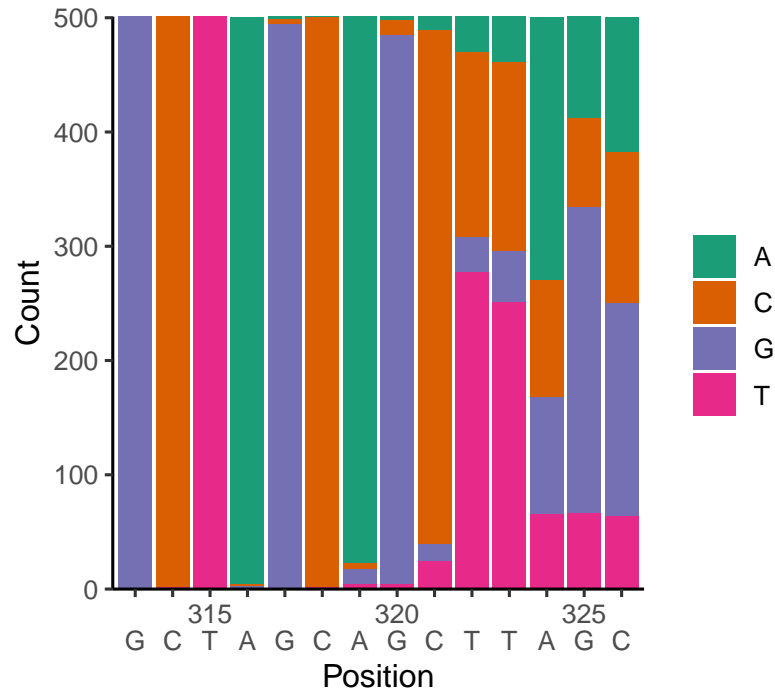
Gene TRBV7-1\*ap01\_G291C\_T296C



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



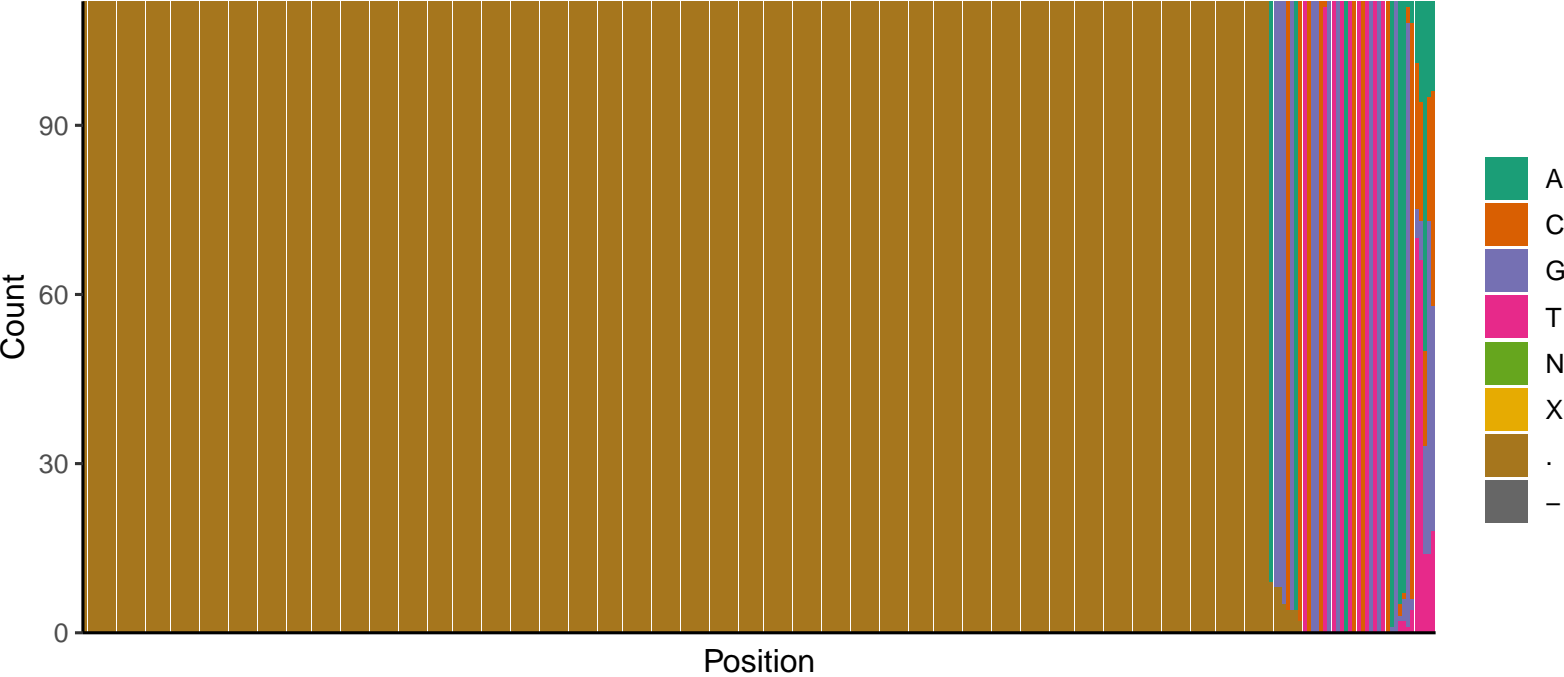
Gene TRBV7-7\*ap01\_C315T



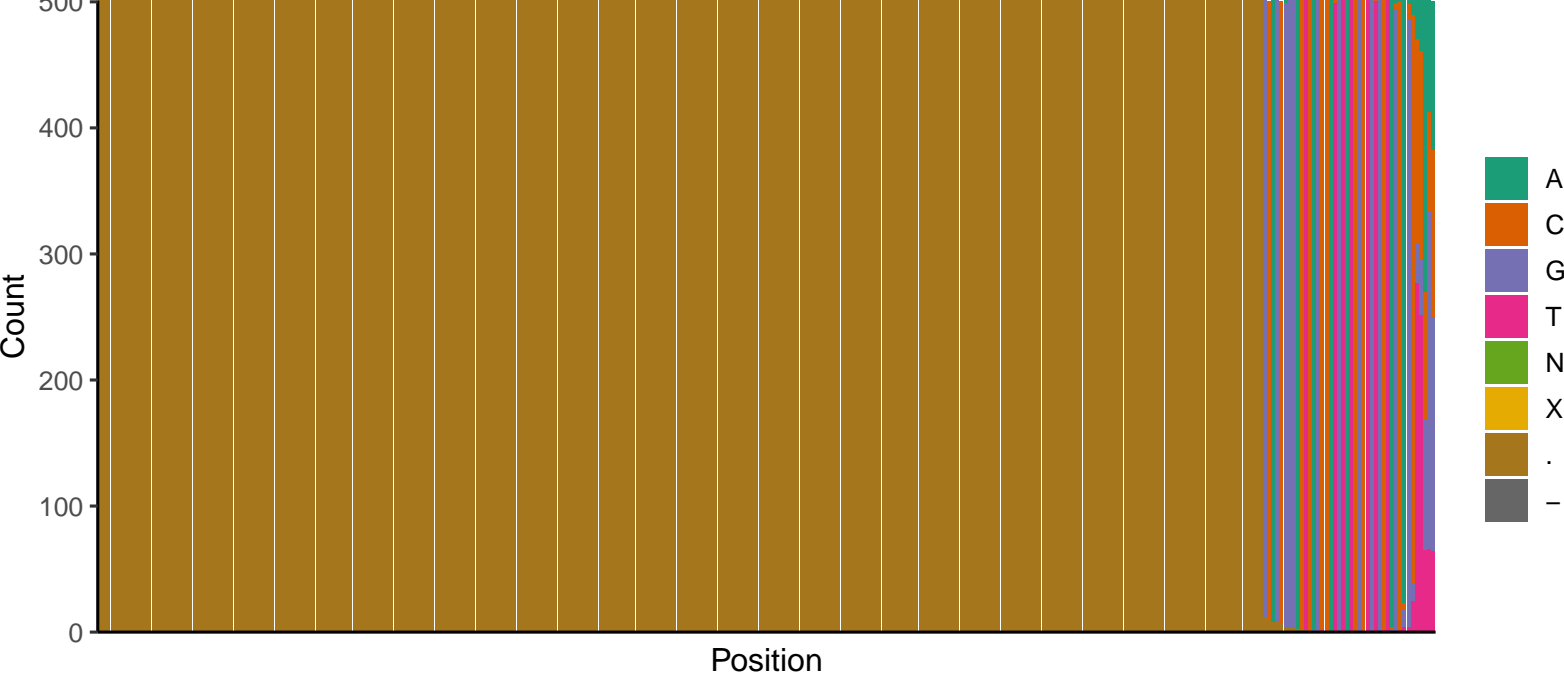
Gene TRBV7-1\*ap01\_G291C\_T296C



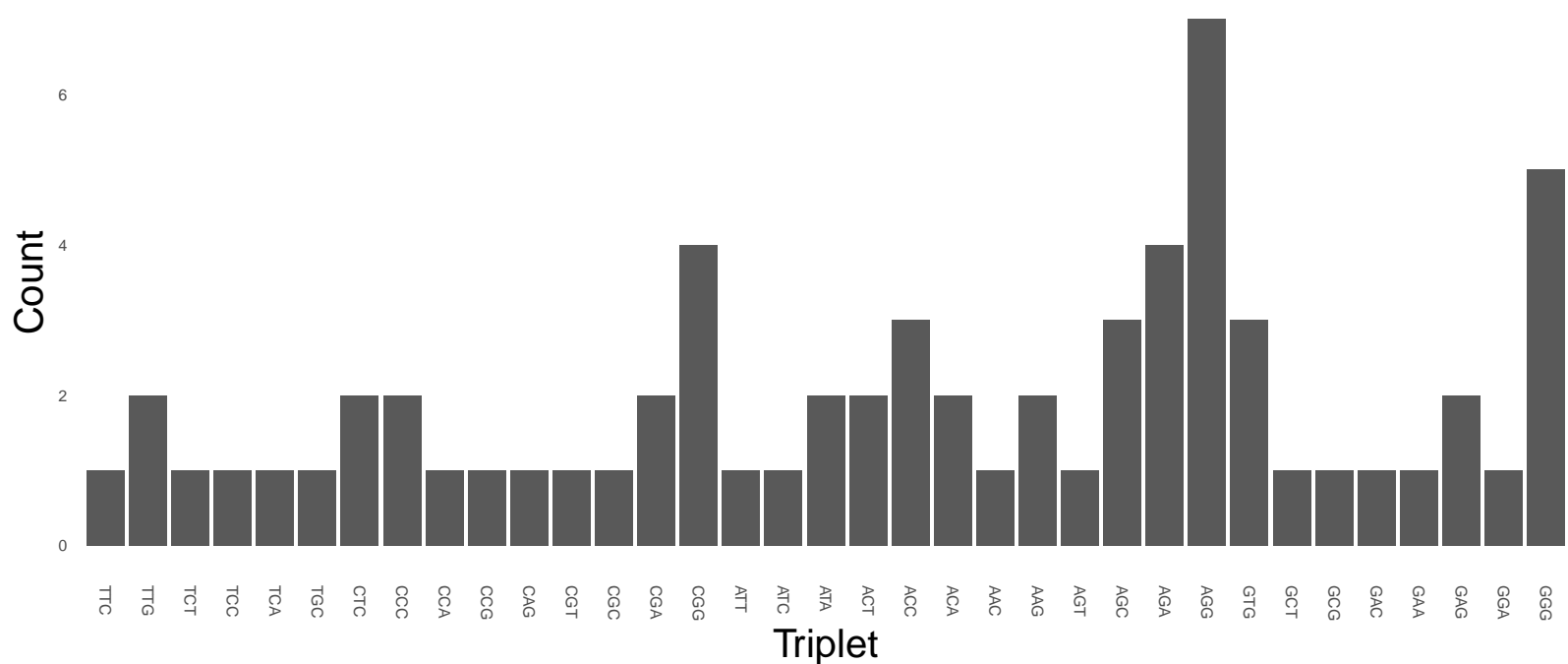
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



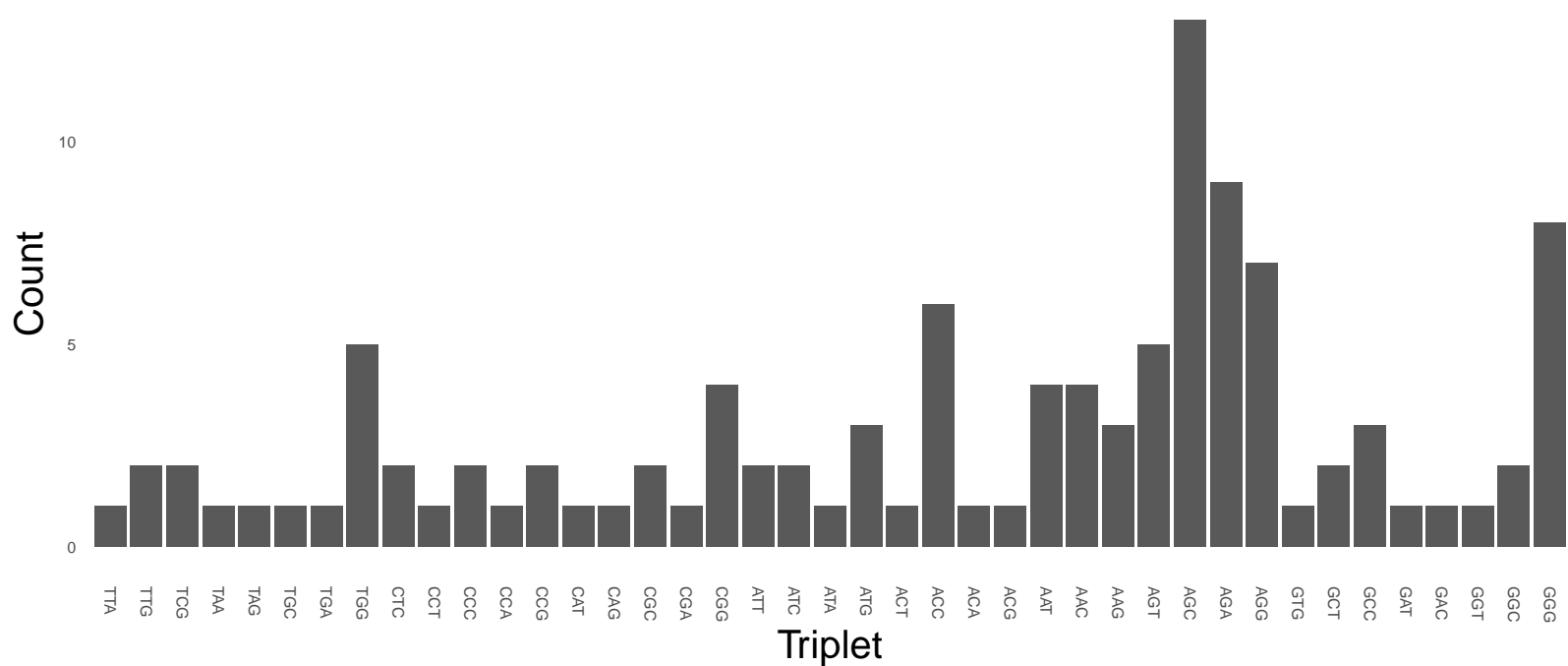
Gene TRBV7-7\*ap01\_C315T



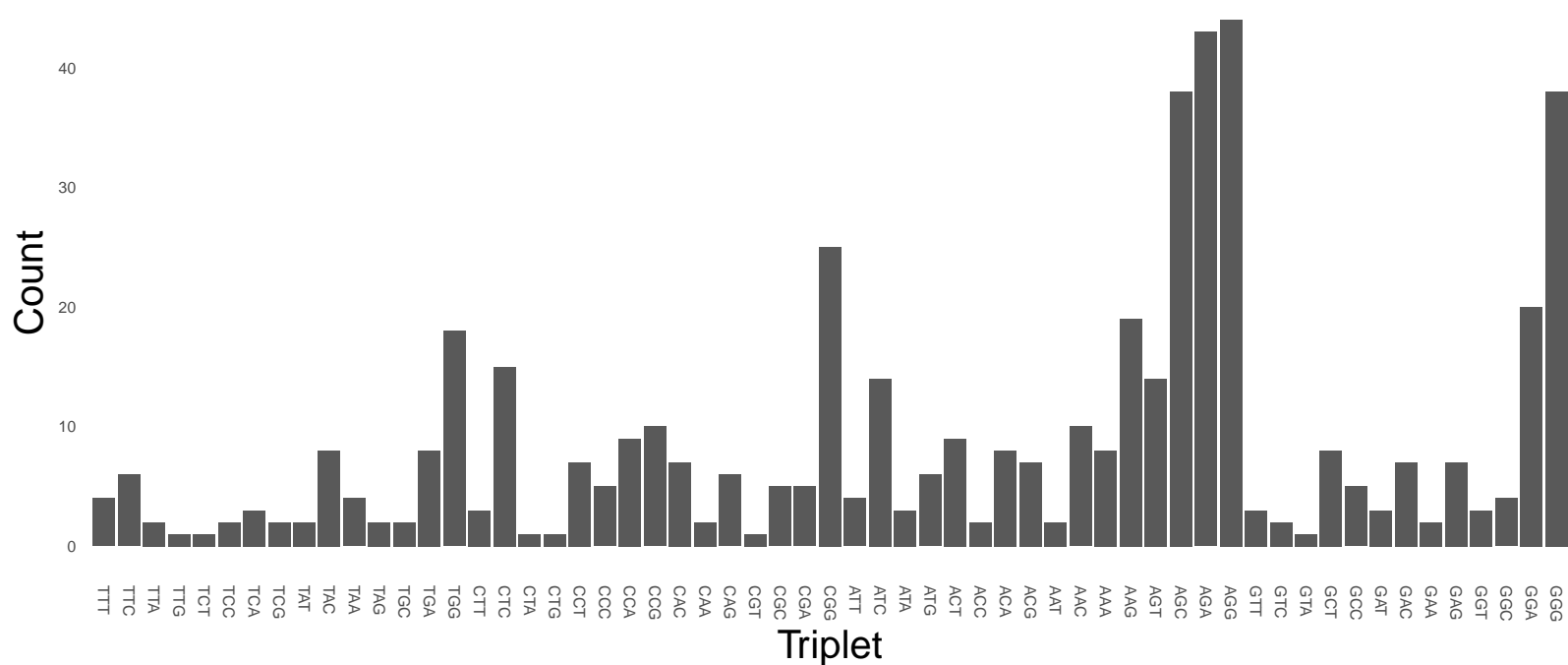
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

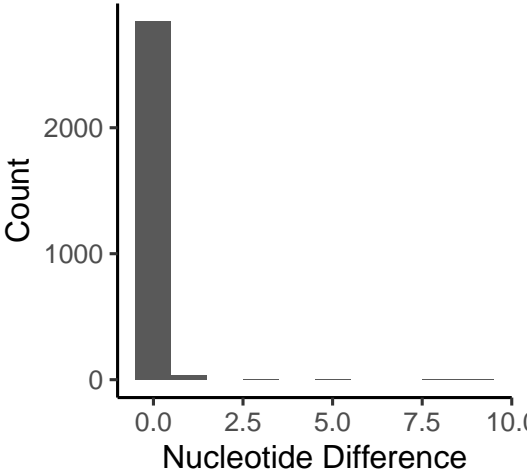


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



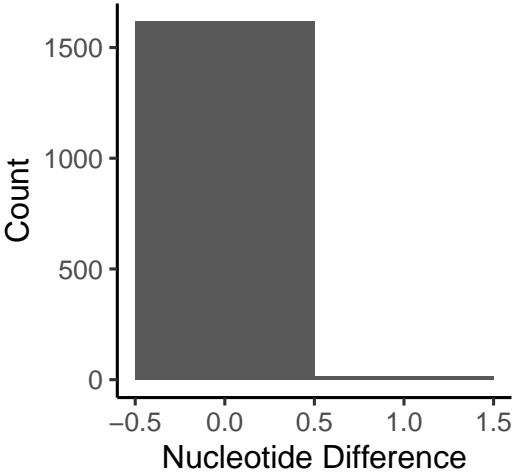
TRBV10-1\*ap01

2880 sequences assigned  
2844 (98.8%) exact matches, in which:  
2770 unique CDR3  
13 unique J



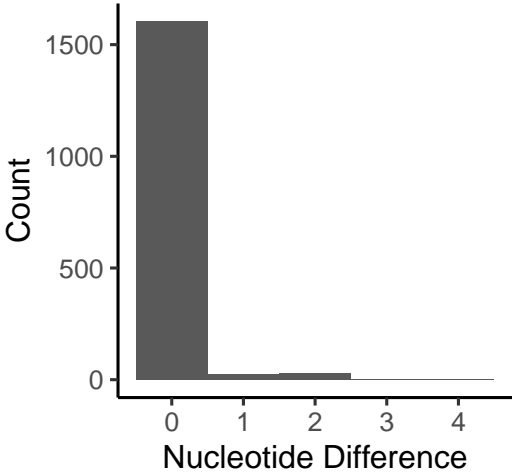
TRBV10-2\*ap01

1635 sequences assigned  
1618 (99%) exact matches, in which:  
1597 unique CDR3  
13 unique J



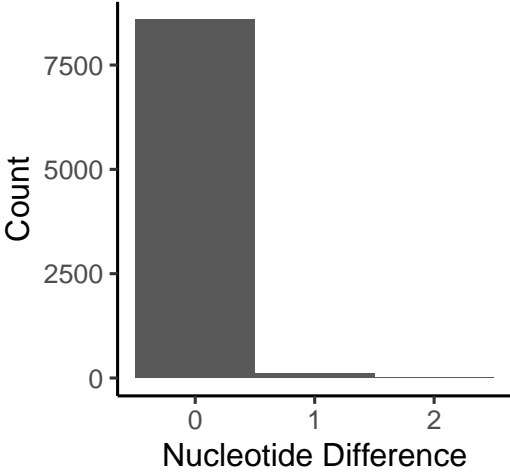
TRBV13\*ap01

1660 sequences assigned  
1604 (96.6%) exact matches, in which:  
1559 unique CDR3  
13 unique J



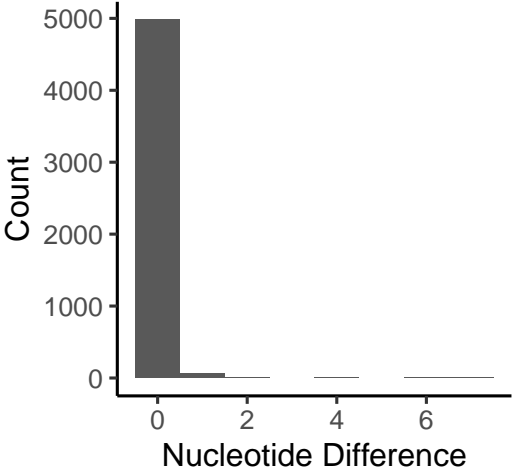
TRBV20-1\*ap01

8689 sequences assigned  
8586 (98.8%) exact matches, in which:  
8427 unique CDR3  
13 unique J



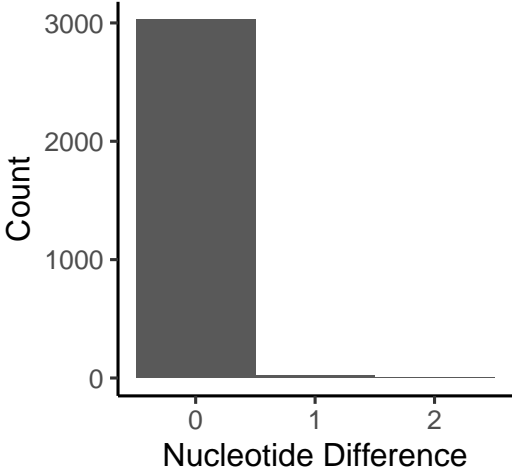
TRBV10-3\*ap01

5049 sequences assigned  
4981 (98.7%) exact matches, in which:  
4873 unique CDR3  
13 unique J



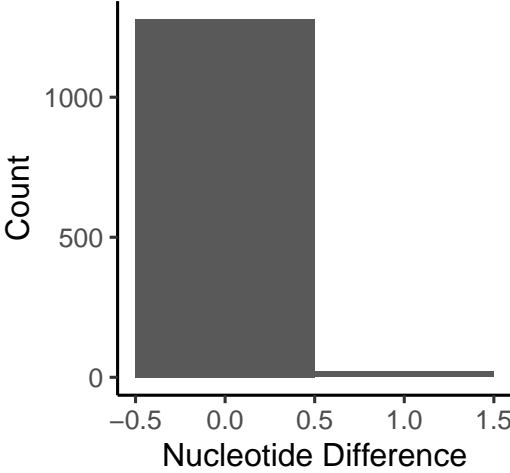
TRBV14\*ap01

3053 sequences assigned  
3027 (99.1%) exact matches, in which:  
2978 unique CDR3  
13 unique J



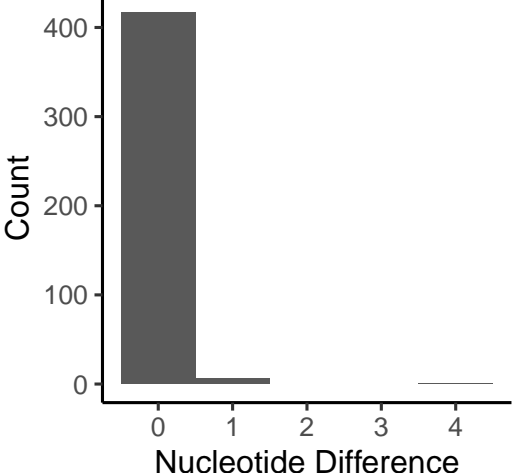
TRBV20-1\*ap02

1300 sequences assigned  
1279 (98.4%) exact matches, in which:  
1259 unique CDR3  
13 unique J



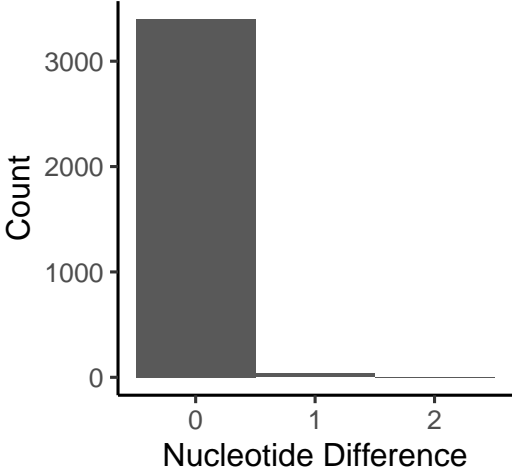
TRBV1\*ap01

424 sequences assigned  
417 (98.3%) exact matches, in which:  
404 unique CDR3  
13 unique J



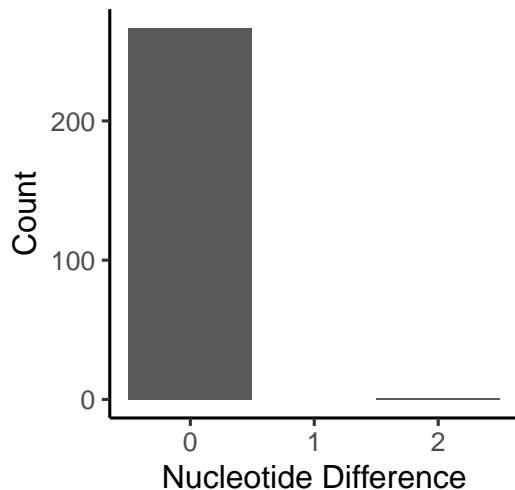
TRBV15\*ap02

3439 sequences assigned  
3400 (98.9%) exact matches, in which:  
3320 unique CDR3  
13 unique J



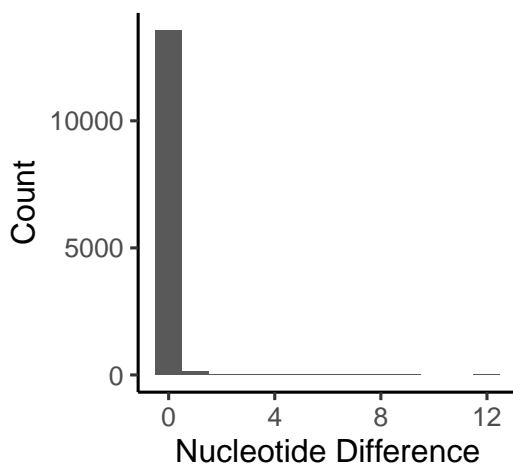
### TRBV16\*ap01

268 sequences assigned  
267 (99.6%) exact matches, in which:  
264 unique CDR3  
13 unique J



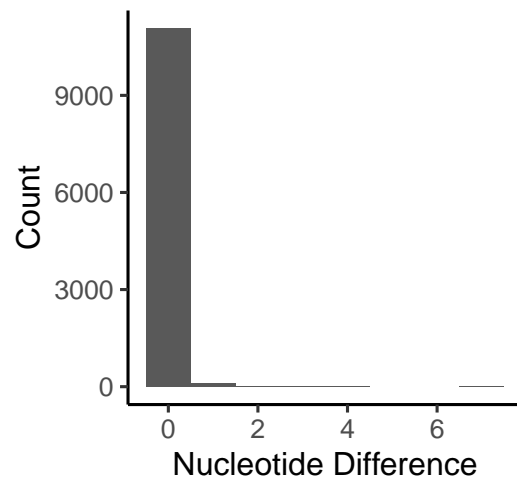
### TRBV19\*ap01

13715 sequences assigned  
13569 (98.9%) exact matches, in which:  
13406 unique CDR3  
13 unique J



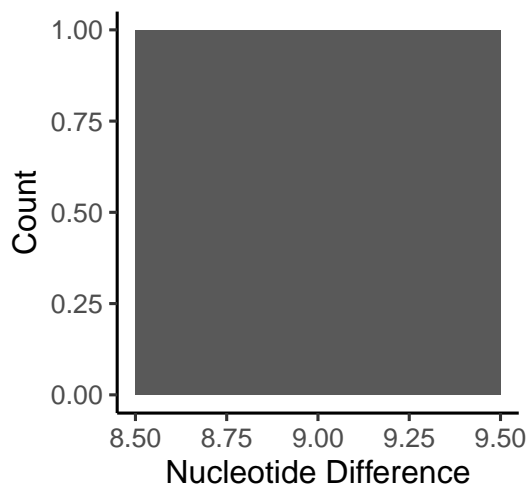
### TRBV28\*ap01

11192 sequences assigned  
11069 (98.9%) exact matches, in which:  
10861 unique CDR3  
14 unique J



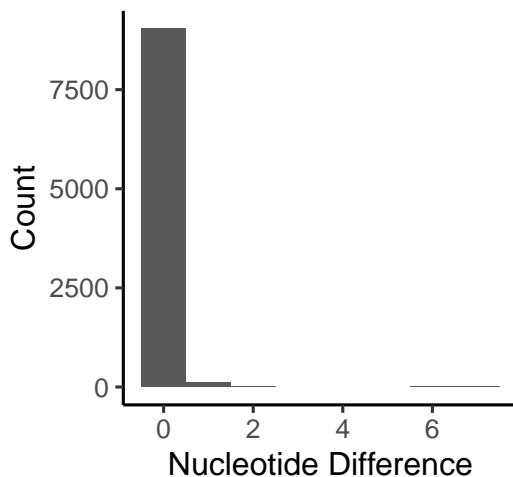
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



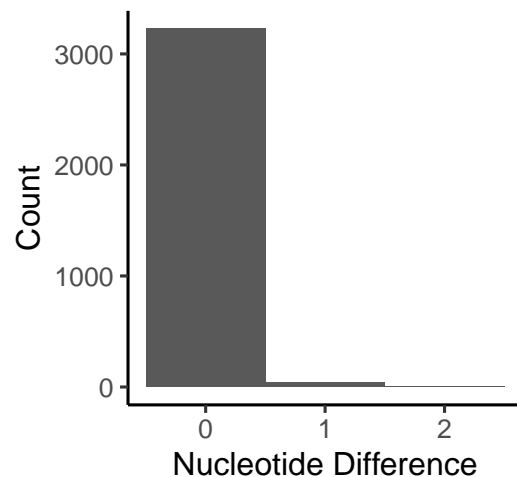
### TRBV2\*ap01

9169 sequences assigned  
9036 (98.5%) exact matches, in which:  
8848 unique CDR3  
13 unique J



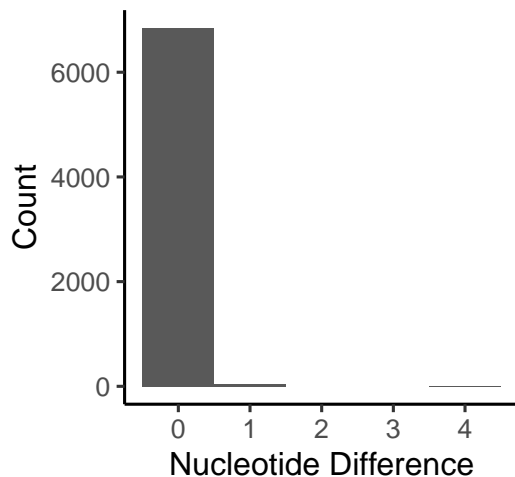
### TRBV30\*ap01

3269 sequences assigned  
3227 (98.7%) exact matches, in which:  
3185 unique CDR3  
13 unique J



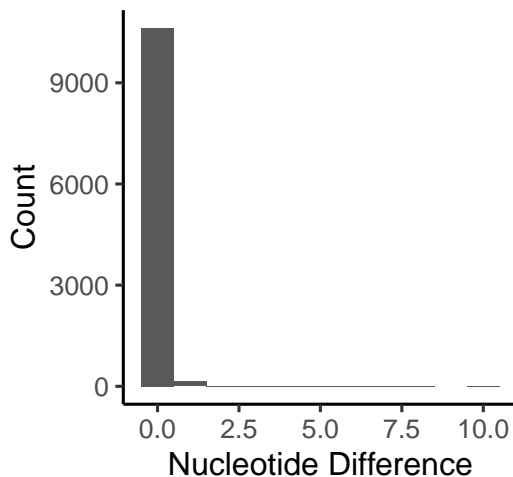
### TRBV18\*ap01

6890 sequences assigned  
6844 (99.3%) exact matches, in which:  
6761 unique CDR3  
13 unique J



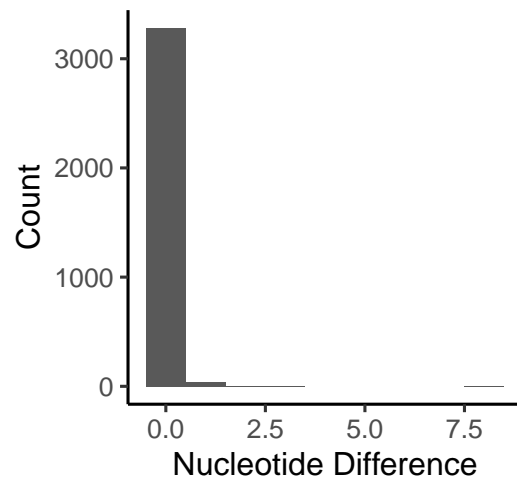
### TRBV27\*ap01

10777 sequences assigned  
10624 (98.6%) exact matches, in which:  
10335 unique CDR3  
13 unique J



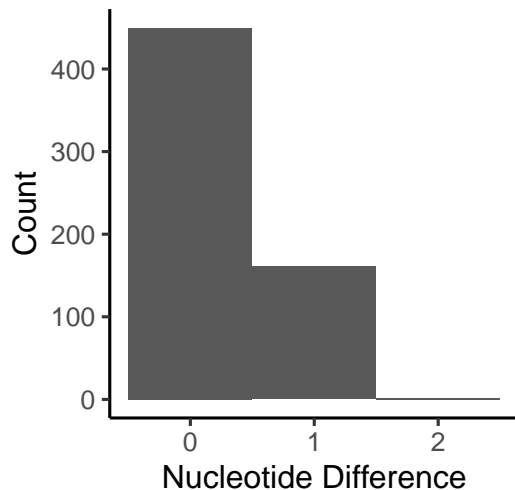
### TRBV30\*ap02

3326 sequences assigned  
3281 (98.6%) exact matches, in which:  
3241 unique CDR3  
13 unique J



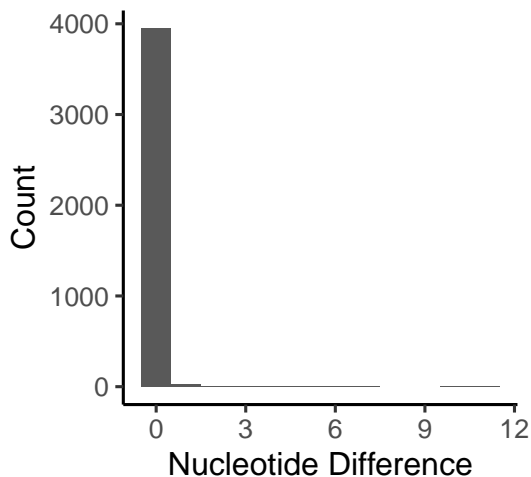
### TRBV30\*ap03

613 sequences assigned  
450 (73.4%) exact matches, in which:  
444 unique CDR3  
13 unique J



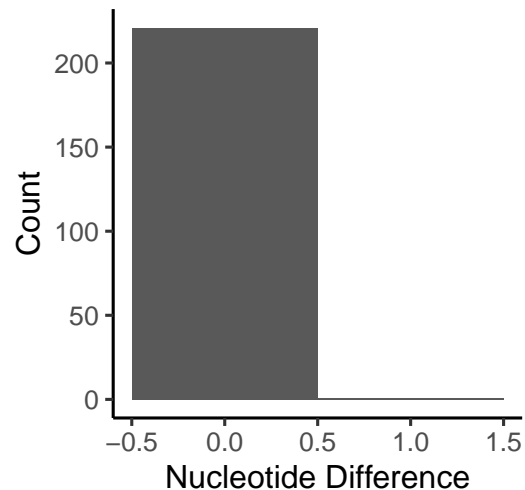
### TRBV21-1\*ap01

4002 sequences assigned  
3949 (98.7%) exact matches, in which:  
3880 unique CDR3  
13 unique J



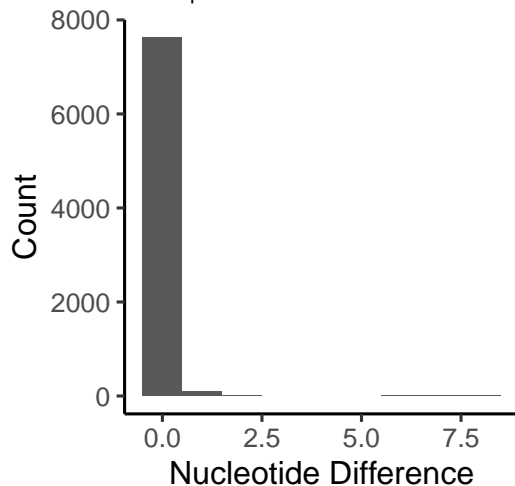
### TRBV12-1\*ap01

222 sequences assigned  
221 (99.5%) exact matches, in which:  
218 unique CDR3  
14 unique J



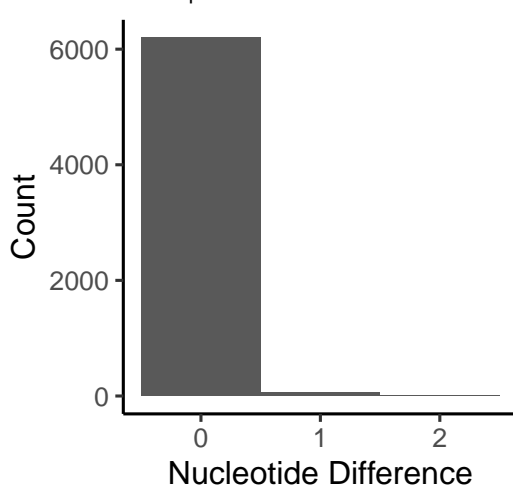
### TRBV9\*ap01

7714 sequences assigned  
7621 (98.8%) exact matches, in which:  
7495 unique CDR3  
13 unique J



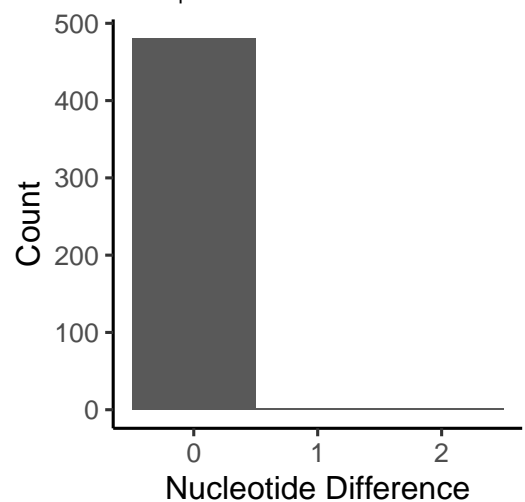
### TRBV11-2\*ap01

6265 sequences assigned  
6198 (98.9%) exact matches, in which:  
6079 unique CDR3  
14 unique J



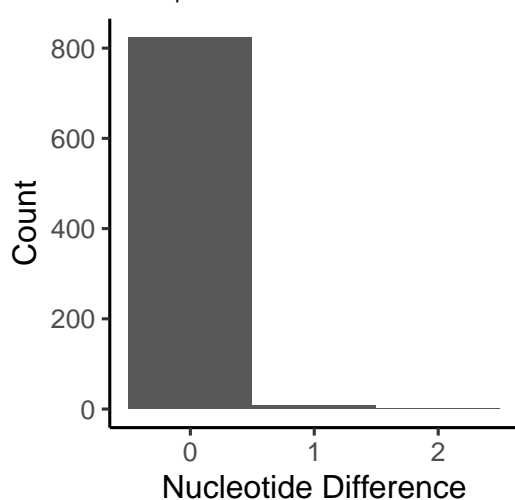
### TRBV12-2\*ap01

485 sequences assigned  
481 (99.2%) exact matches, in which:  
472 unique CDR3  
13 unique J



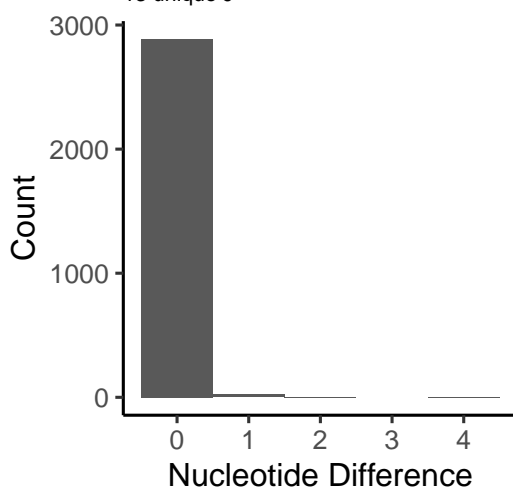
### TRBV11-1\*ap01

833 sequences assigned  
824 (98.9%) exact matches, in which:  
811 unique CDR3  
13 unique J



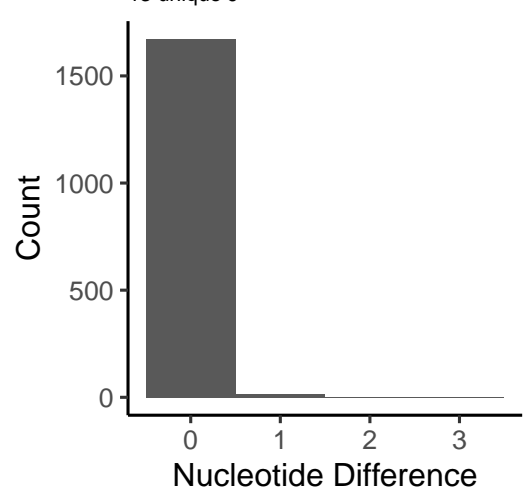
### TRBV11-3\*ap01

2916 sequences assigned  
2887 (99%) exact matches, in which:  
2827 unique CDR3  
13 unique J



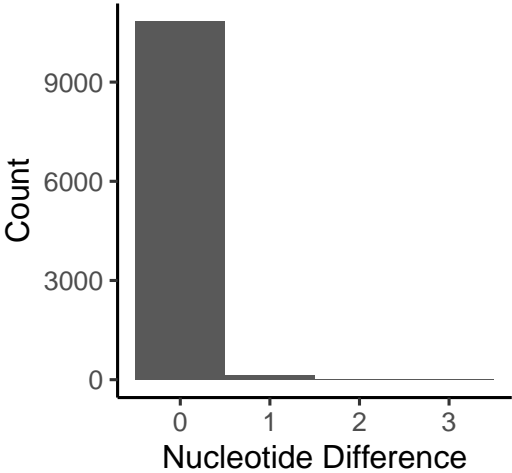
### TRBV12-5\*ap01

1690 sequences assigned  
1672 (98.9%) exact matches, in which:  
1637 unique CDR3  
13 unique J



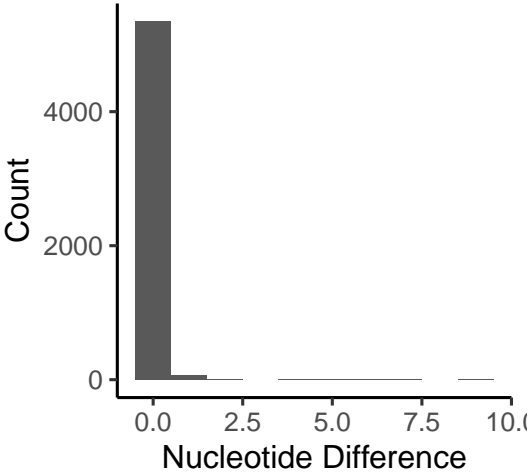
TRBV12-34\*ap01

10986 sequences assigned  
10836 (98.6%) exact matches, in which:  
10597 unique CDR3  
13 unique J



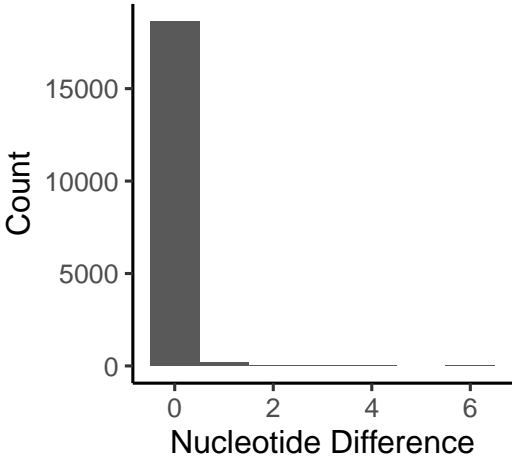
TRBV24-1\*ap01

5426 sequences assigned  
5347 (98.5%) exact matches, in which:  
5246 unique CDR3  
13 unique J



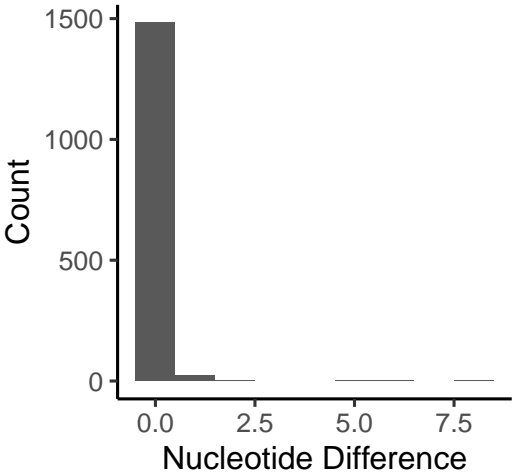
TRBV5-1\*ap01

18889 sequences assigned  
18651 (98.7%) exact matches, in which:  
18128 unique CDR3  
13 unique J



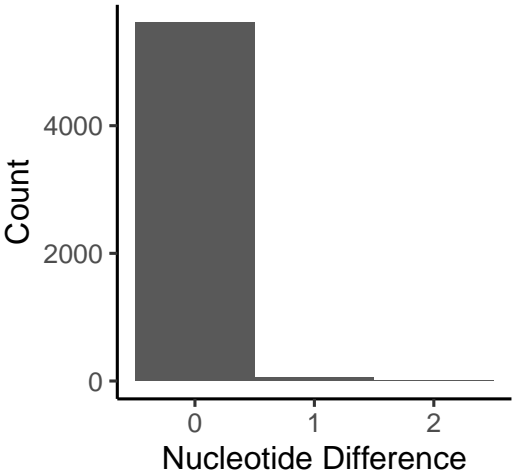
TRBV23-1\*ap01

1511 sequences assigned  
1483 (98.1%) exact matches, in which:  
1461 unique CDR3  
13 unique J



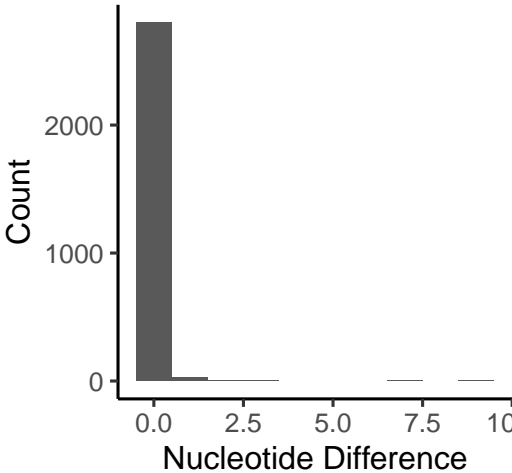
TRBV4-1\*ap01

5678 sequences assigned  
5613 (98.9%) exact matches, in which:  
5475 unique CDR3  
14 unique J



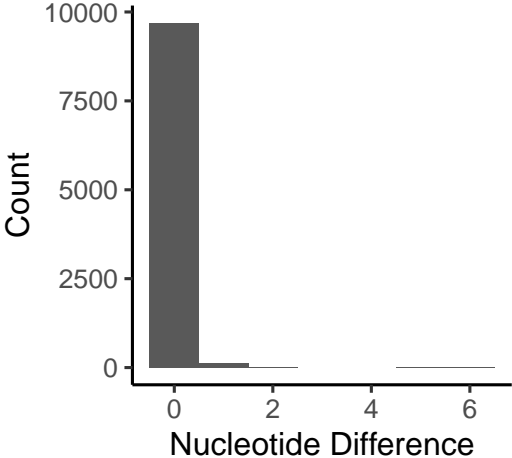
TRBV25-1\*ap01

2836 sequences assigned  
2800 (98.7%) exact matches, in which:  
2753 unique CDR3  
13 unique J



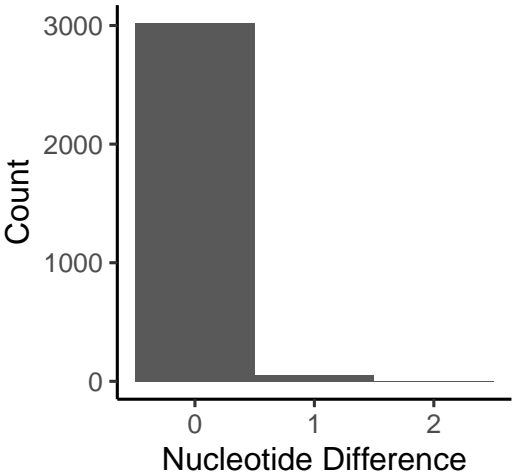
TRBV3-12\*ap01

9831 sequences assigned  
9696 (98.6%) exact matches, in which:  
9468 unique CDR3  
13 unique J



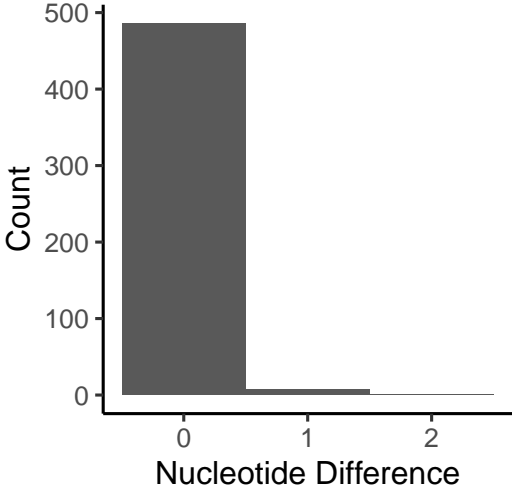
TRBV4-2\*ap01

3073 sequences assigned  
3021 (98.3%) exact matches, in which:  
2947 unique CDR3  
13 unique J



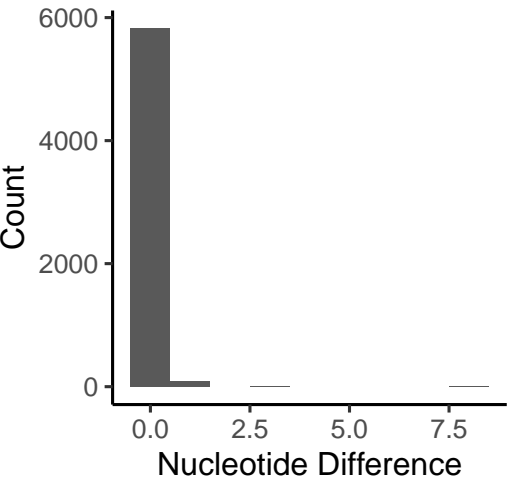
TRBV5-3\*ap01

494 sequences assigned  
486 (98.4%) exact matches, in which:  
475 unique CDR3  
13 unique J



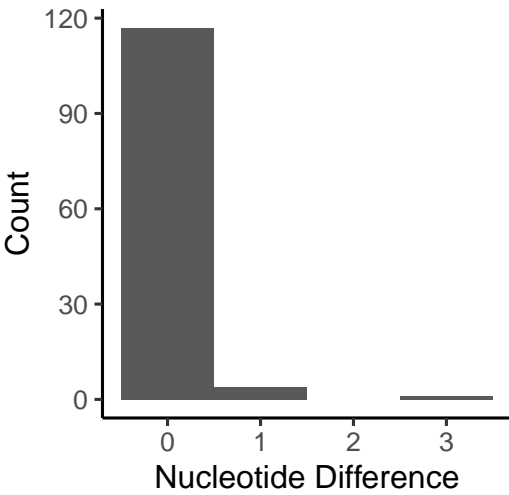
TRBV5-4\*ap01

5910 sequences assigned  
5824 (98.5%) exact matches, in which:  
5688 unique CDR3  
13 unique J



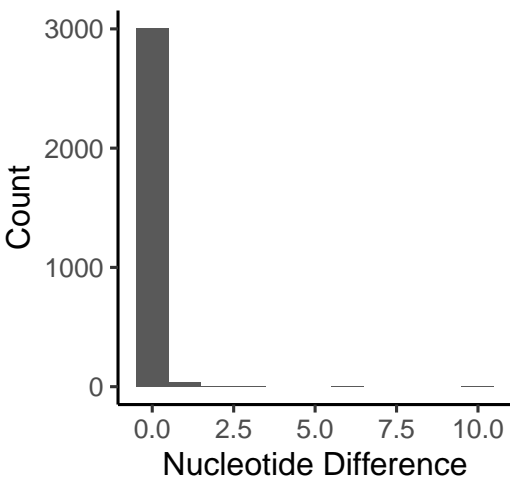
TRBV5-7\*ap01

122 sequences assigned  
117 (95.9%) exact matches, in which:  
115 unique CDR3  
12 unique J



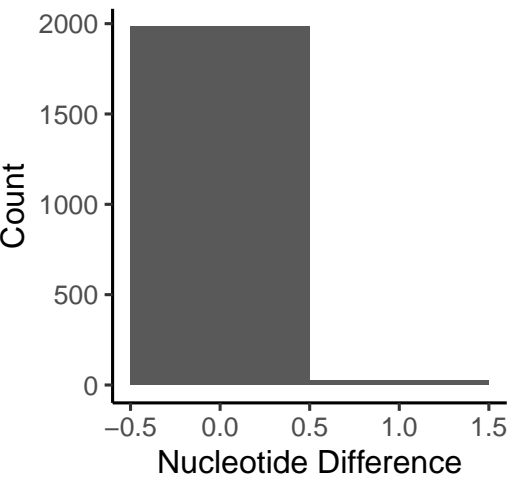
TRBV6-4\*ap01

3048 sequences assigned  
3004 (98.6%) exact matches, in which:  
2958 unique CDR3  
13 unique J



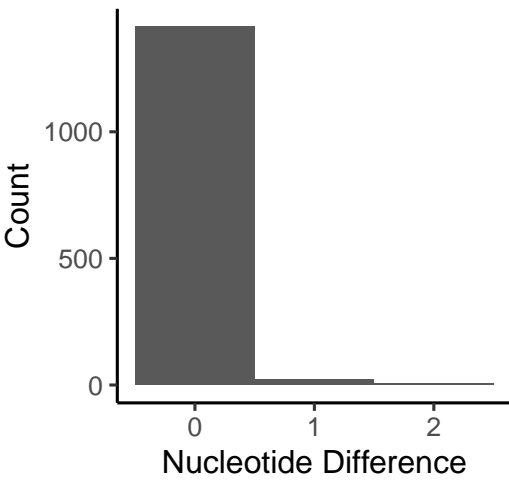
TRBV5-5\*ap01

2009 sequences assigned  
1983 (98.7%) exact matches, in which:  
1972 unique CDR3  
13 unique J



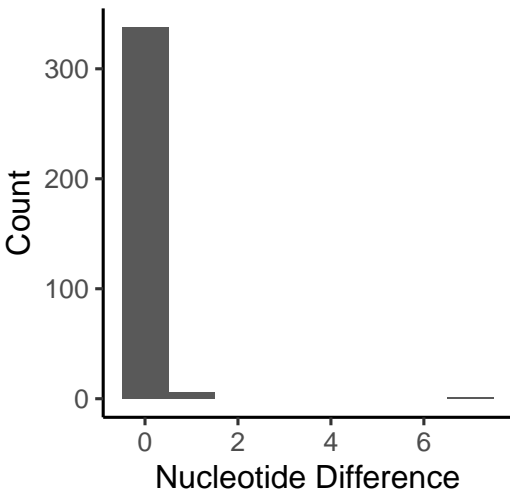
TRBV5-8\*ap01

1443 sequences assigned  
1415 (98.1%) exact matches, in which:  
1386 unique CDR3  
13 unique J



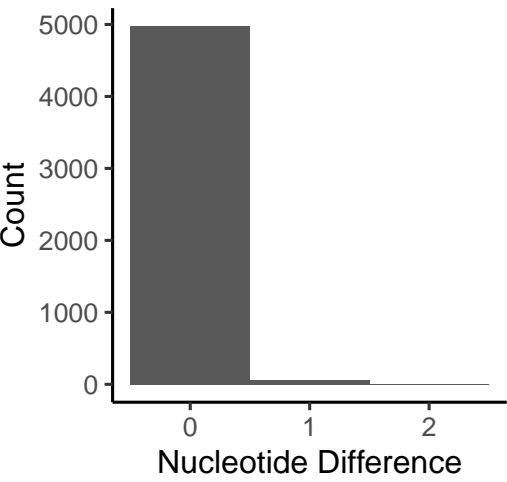
TRBV6-7\*ap01

345 sequences assigned  
338 (98%) exact matches, in which:  
327 unique CDR3  
13 unique J



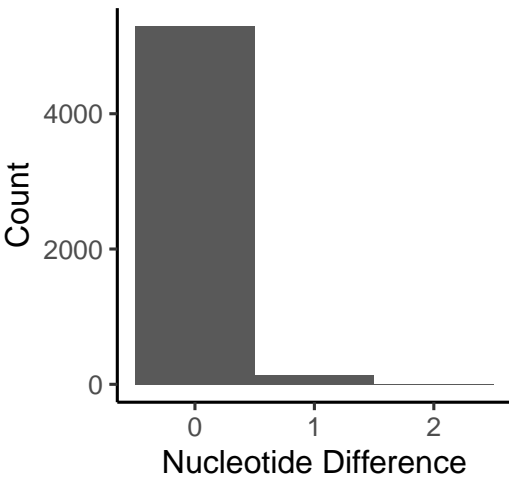
TRBV5-6\*ap01

5046 sequences assigned  
4978 (98.7%) exact matches, in which:  
4831 unique CDR3  
13 unique J



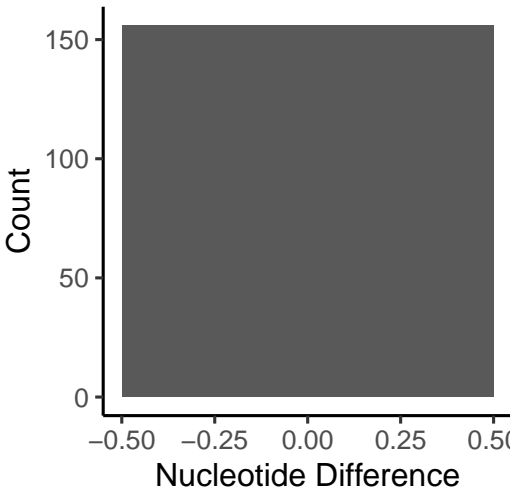
TRBV6-1\*ap01

5437 sequences assigned  
5296 (97.4%) exact matches, in which:  
5170 unique CDR3  
13 unique J



TRBV6-8\*ap01

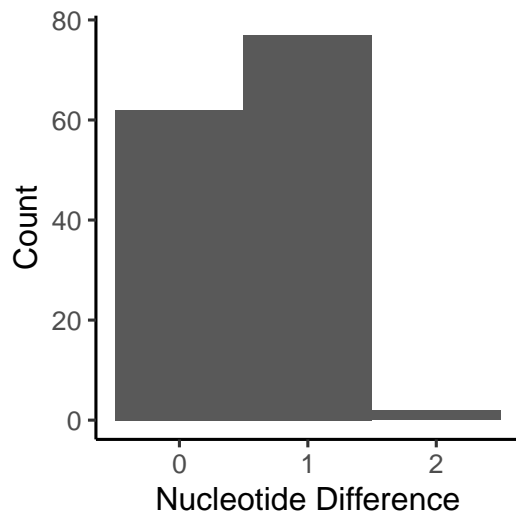
156 sequences assigned  
156 (100%) exact matches, in which:  
154 unique CDR3  
13 unique J





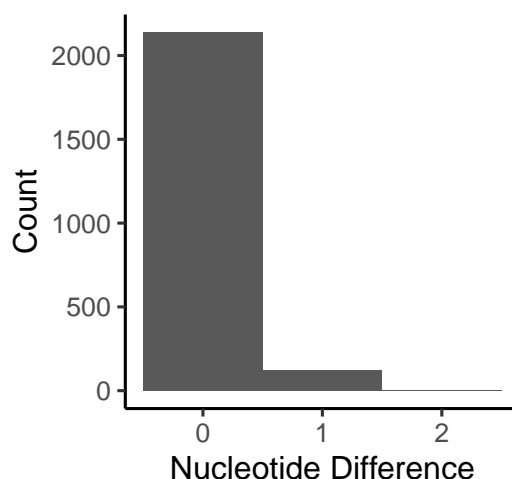
### TRBV6-9\*ap01

141 sequences assigned  
62 (44%) exact matches, in which:  
59 unique CDR3  
11 unique J



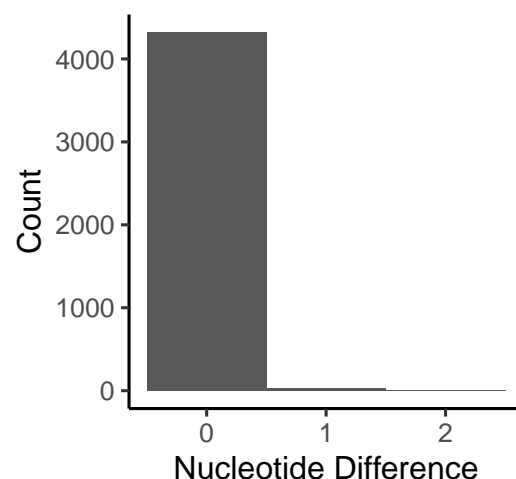
### TRBV6-56\*ap02

2261 sequences assigned  
2138 (94.6%) exact matches, in which:  
2077 unique CDR3  
13 unique J



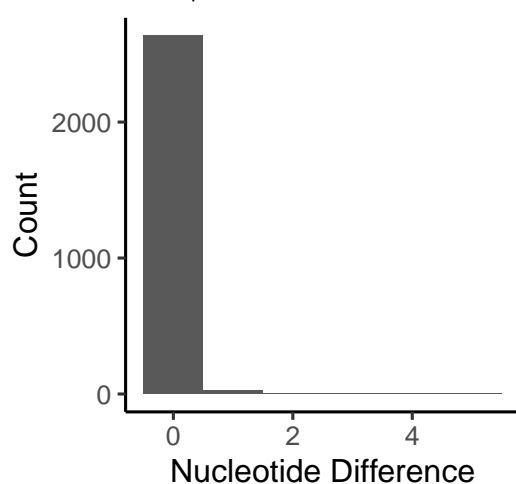
### TRBV7-2\*ap01

4352 sequences assigned  
4320 (99.3%) exact matches, in which:  
4237 unique CDR3  
13 unique J



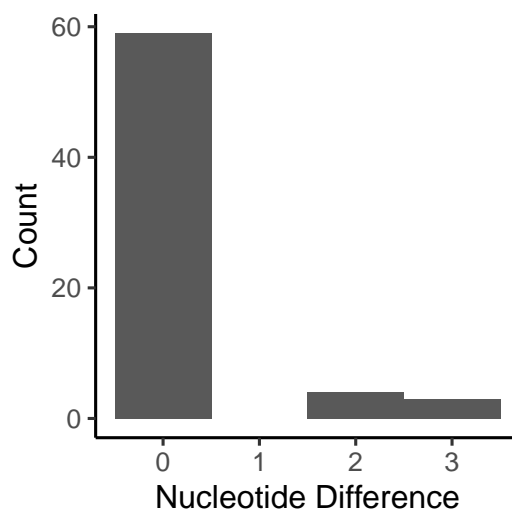
### TRBV6-23\*ap01

2665 sequences assigned  
2635 (98.9%) exact matches, in which:  
2572 unique CDR3  
13 unique J



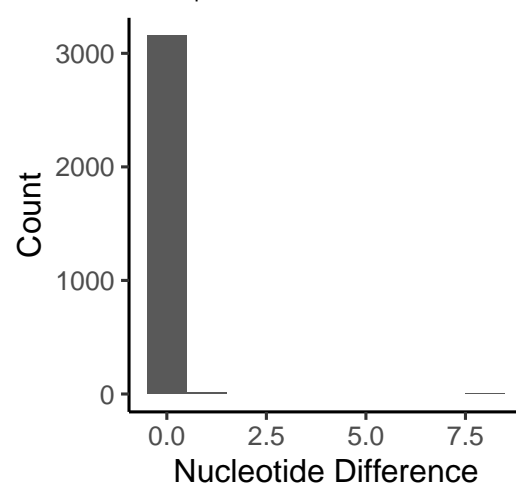
### TRBV7-1\*ap01\_G291C\_T

66 sequences assigned  
59 (89.4%) exact matches, in which:  
59 unique CDR3  
10 unique J



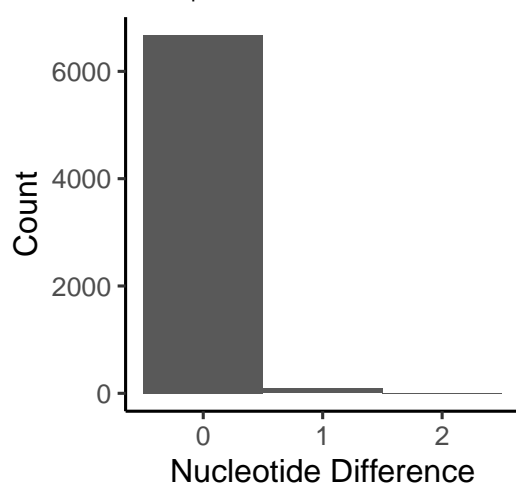
### TRBV7-3\*ap01

3173 sequences assigned  
3155 (99.4%) exact matches, in which:  
3117 unique CDR3  
13 unique J



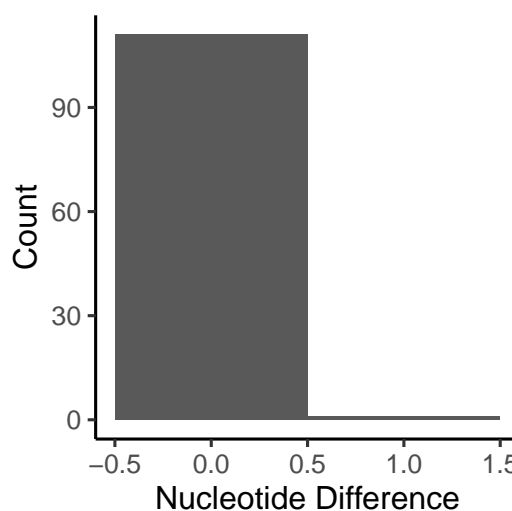
### TRBV6-56\*ap01

6769 sequences assigned  
6677 (98.6%) exact matches, in which:  
6509 unique CDR3  
13 unique J



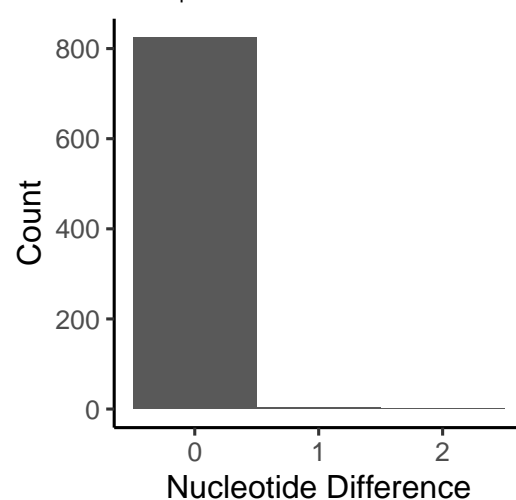
### TRBV7-1\*ap01\_G291C\_T

112 sequences assigned  
111 (99.1%) exact matches, in which:  
109 unique CDR3  
13 unique J



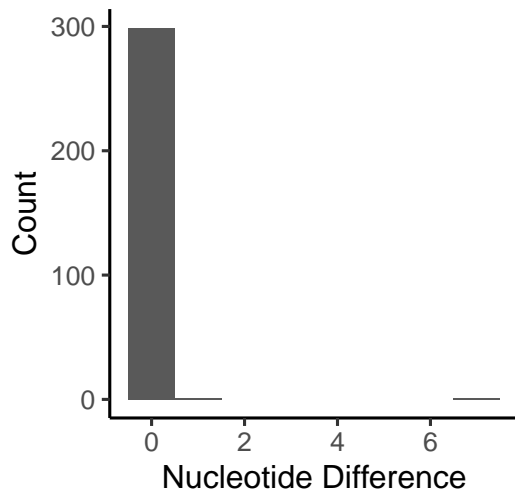
### TRBV7-3\*ap03

829 sequences assigned  
825 (99.5%) exact matches, in which:  
812 unique CDR3  
13 unique J



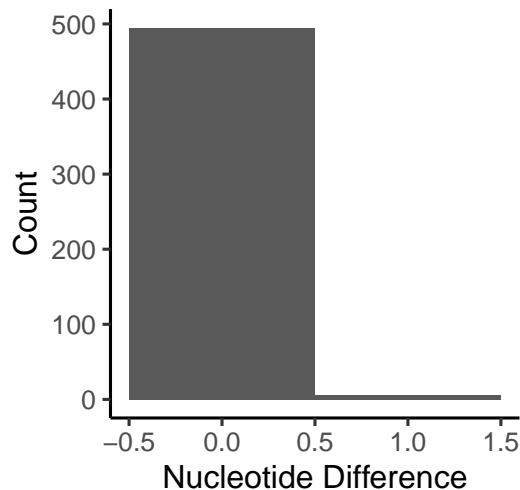
### TRBV7-4\*ap01

301 sequences assigned  
299 (99.3%) exact matches, in which:  
293 unique CDR3  
12 unique J



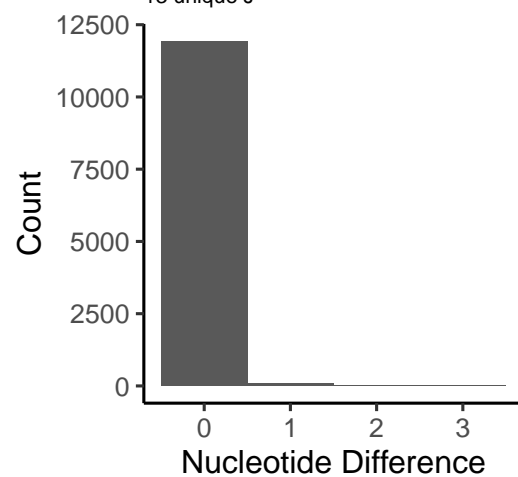
### TRBV7-7\*ap01\_C315T

501 sequences assigned  
495 (98.8%) exact matches, in which:  
485 unique CDR3  
13 unique J



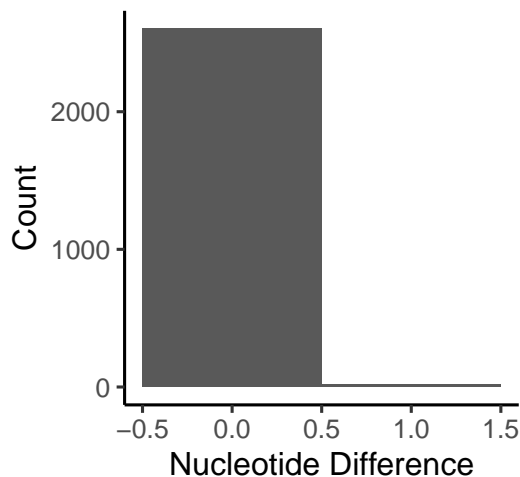
### TRBV7-9\*ap01

12037 sequences assigned  
11931 (99.1%) exact matches, in which:  
11754 unique CDR3  
13 unique J



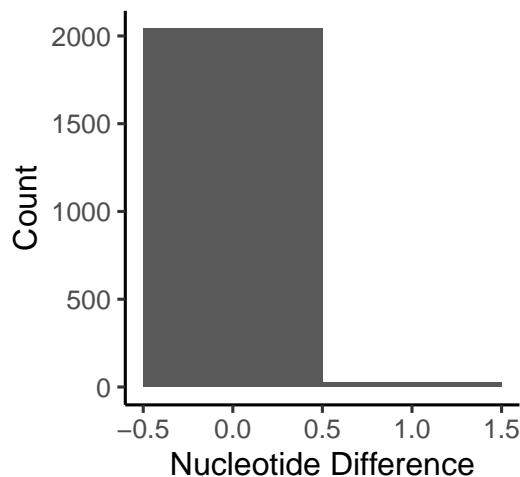
### TRBV7-6\*ap01

2622 sequences assigned  
2603 (99.3%) exact matches, in which:  
2543 unique CDR3  
13 unique J



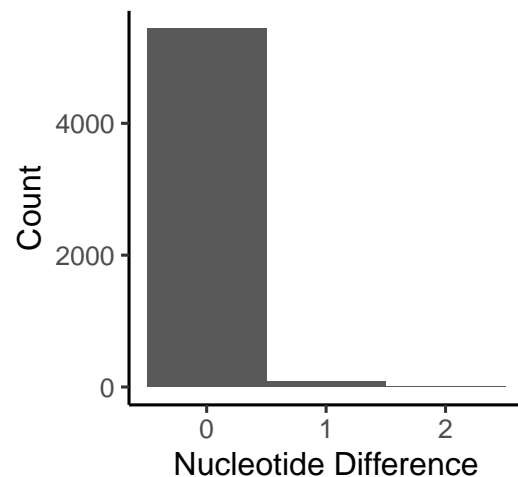
### TRBV7-8\*ap01

2065 sequences assigned  
2041 (98.8%) exact matches, in which:  
1986 unique CDR3  
13 unique J



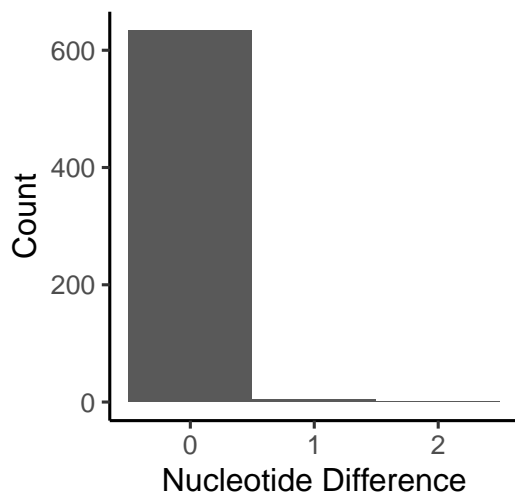
### TRBV29-1\*ap01

5517 sequences assigned  
5435 (98.5%) exact matches, in which:  
5323 unique CDR3  
13 unique J



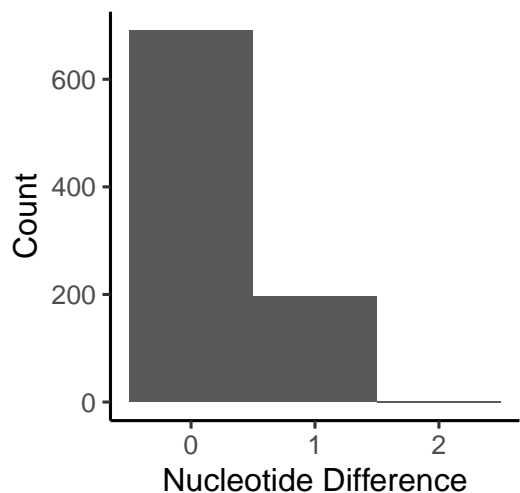
### TRBV7-7\*ap01

640 sequences assigned  
634 (99.1%) exact matches, in which:  
620 unique CDR3  
13 unique J



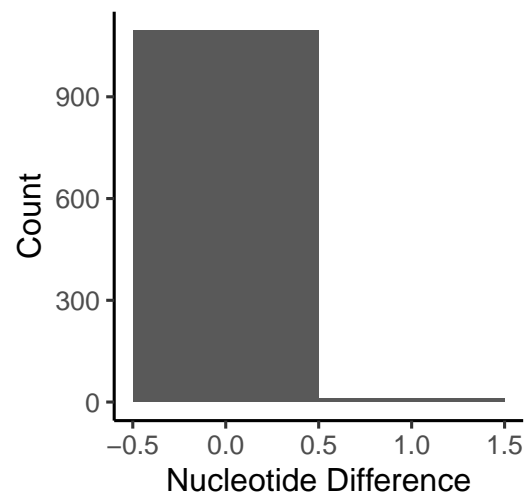
### TRBV7-8\*ap03

890 sequences assigned  
691 (77.6%) exact matches, in which:  
682 unique CDR3  
13 unique J

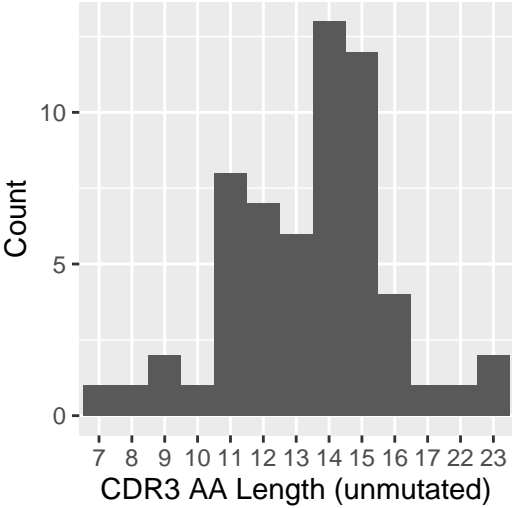


### TRBV29-1\*ap02

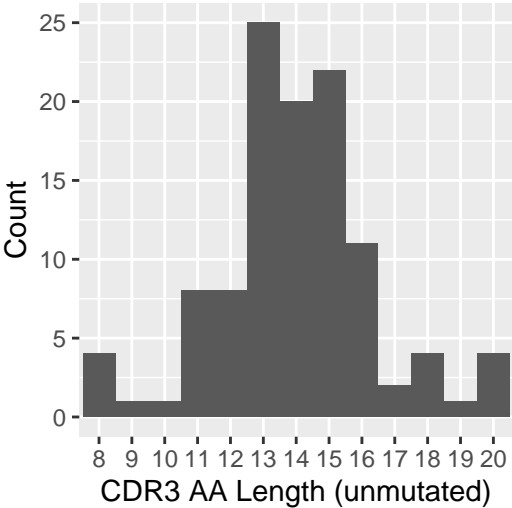
1106 sequences assigned  
1096 (99.1%) exact matches, in which:  
1065 unique CDR3  
13 unique J



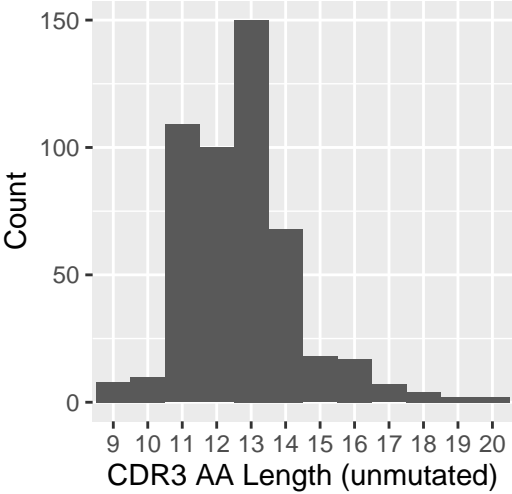
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





[illegible]