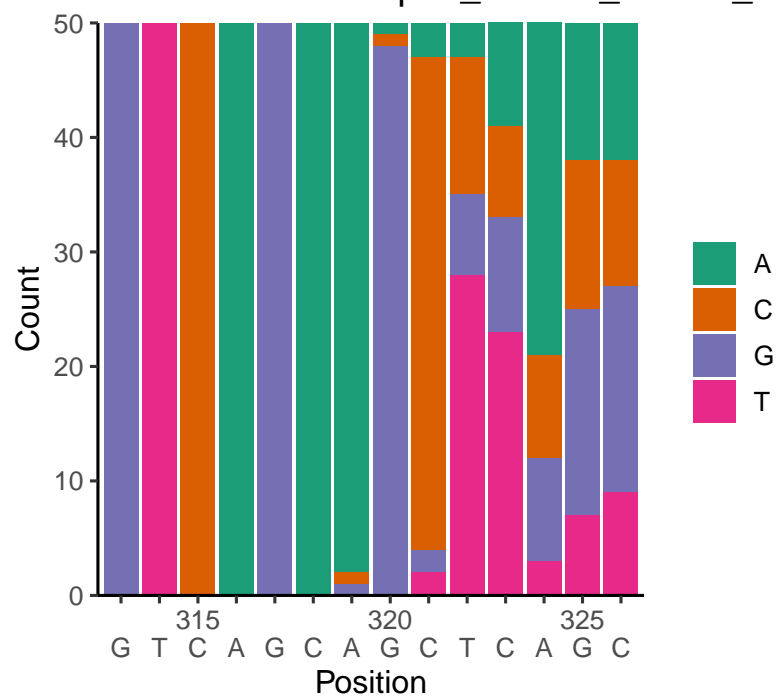
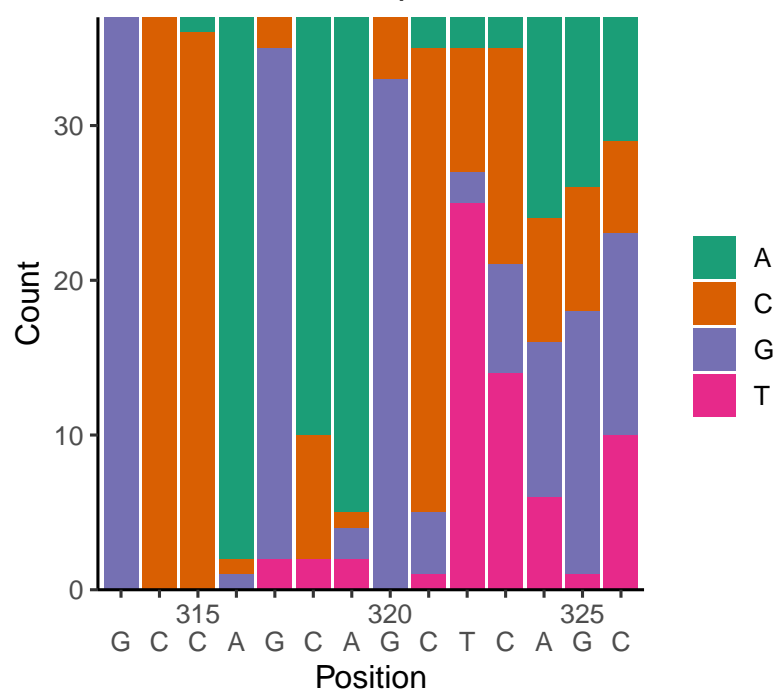


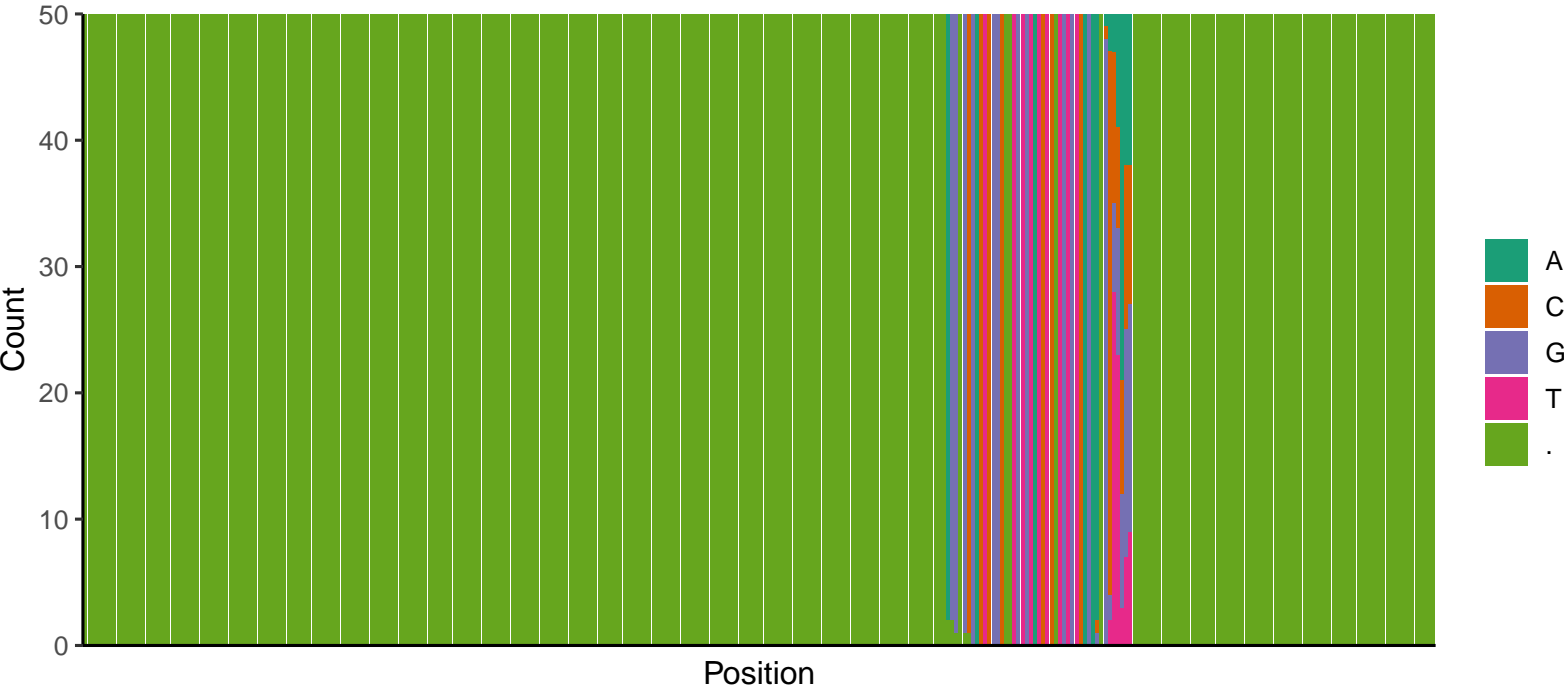
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



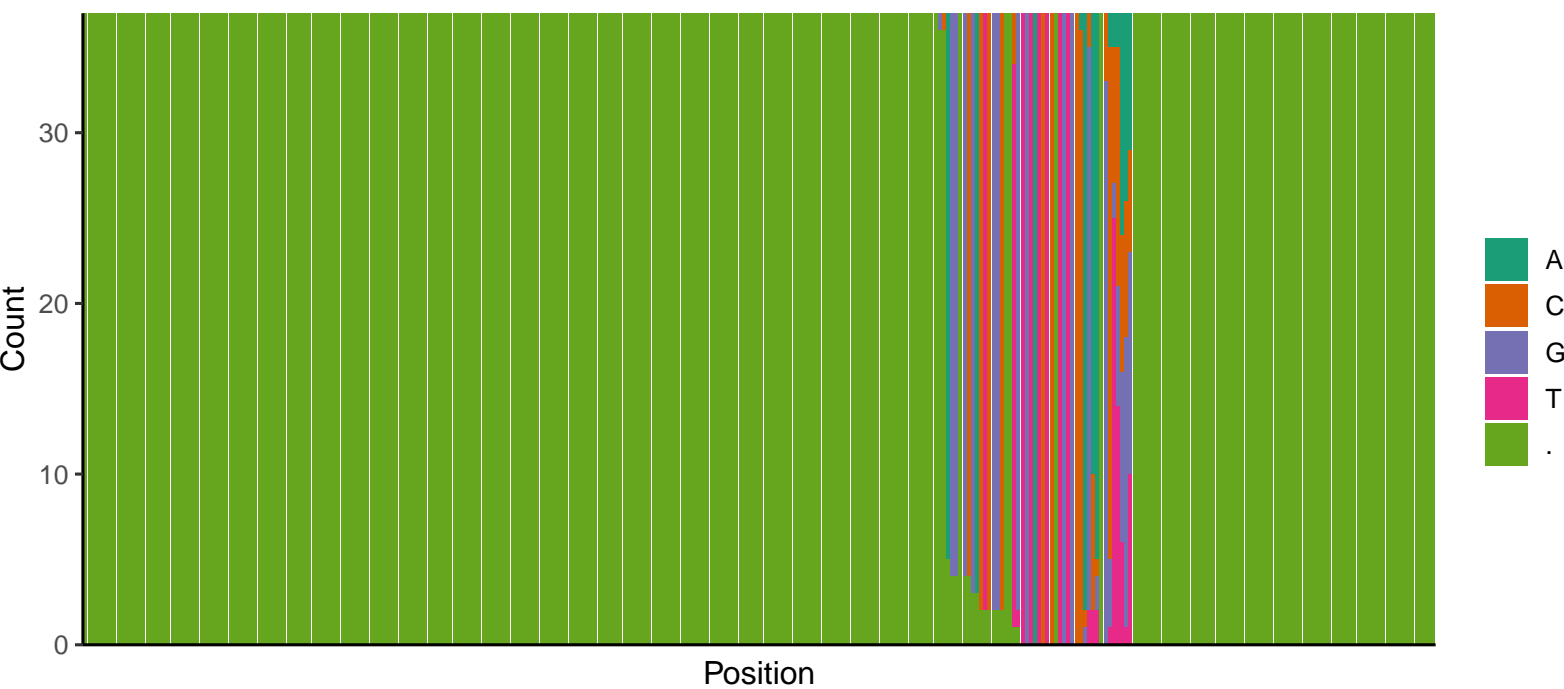
Gene TRBV7-1\*ap01\_G291C\_T296C



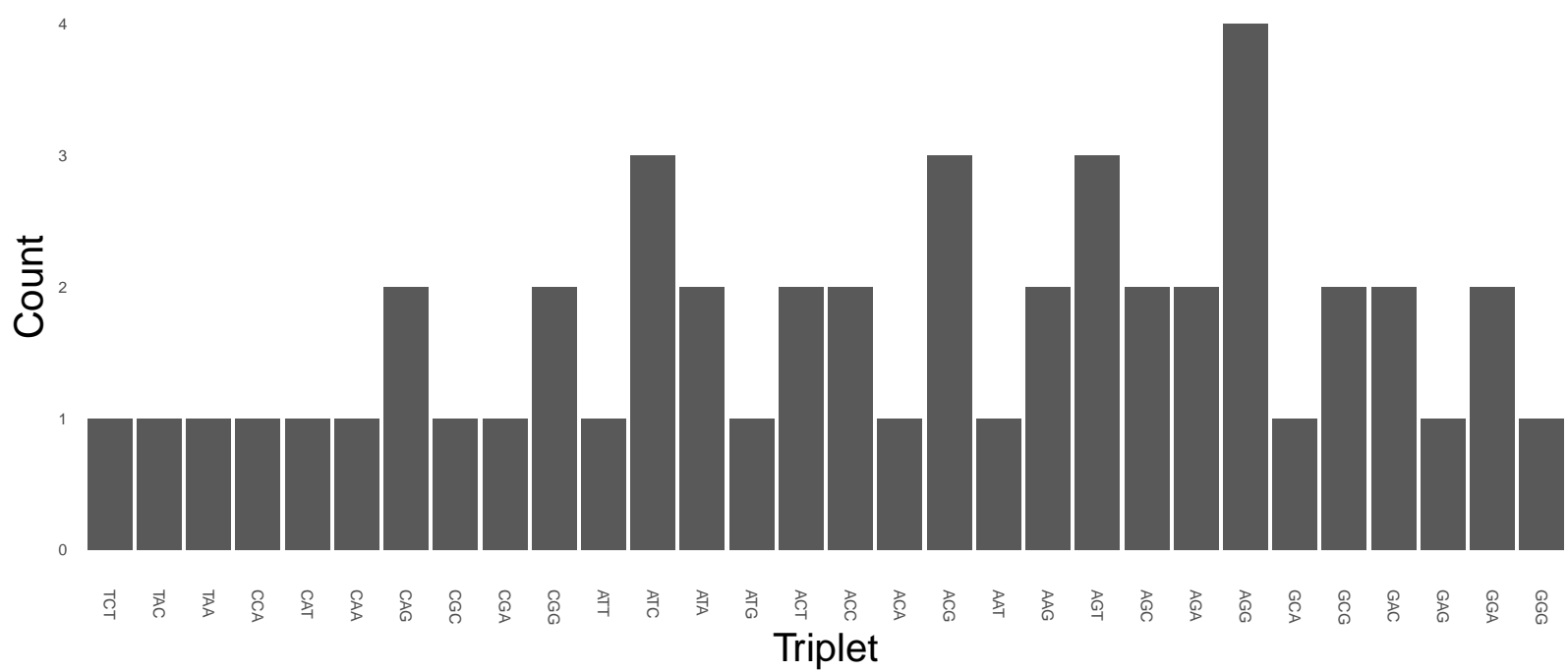
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



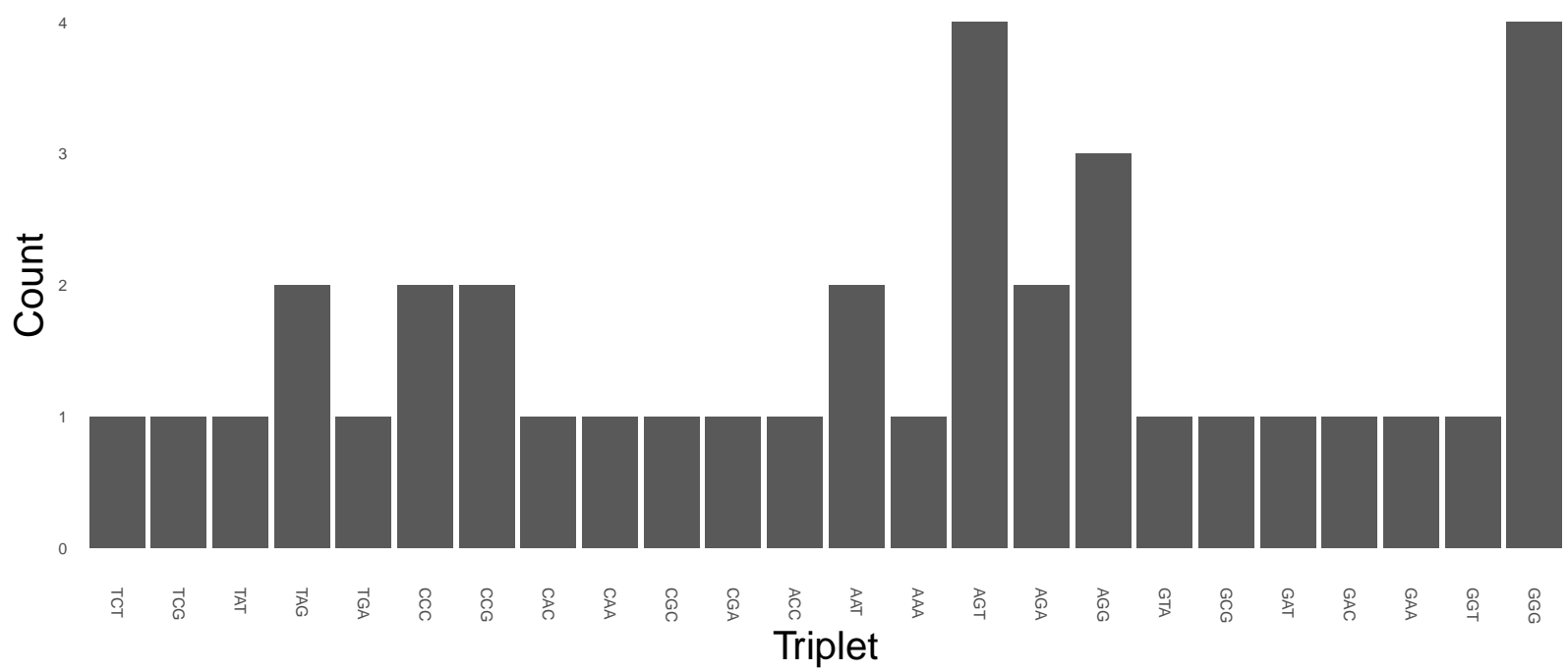
Gene TRBV7-1\*ap01\_G291C\_T296C



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

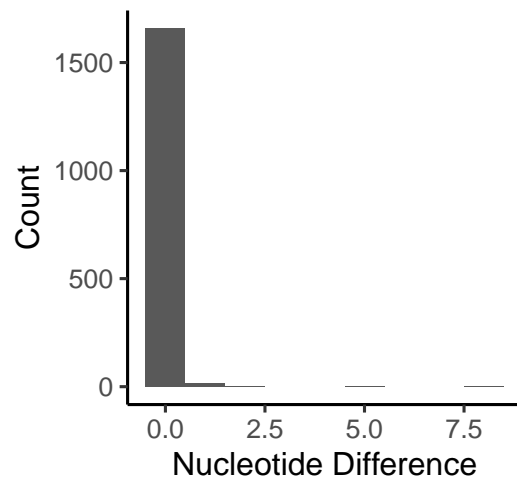


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



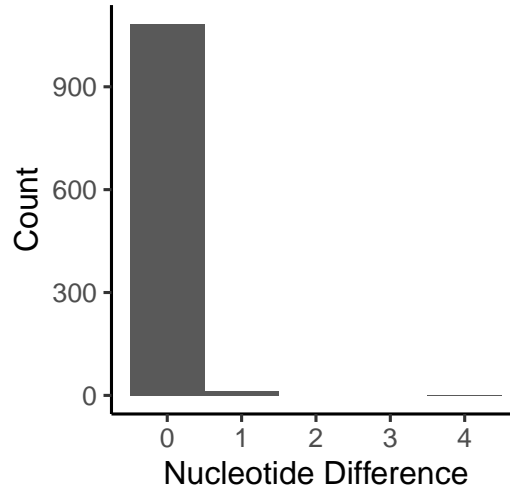
### TRBV10-1\*ap01

1676 sequences assigned  
1658 (98.9%) exact matches, in which:  
1629 unique CDR3  
13 unique J



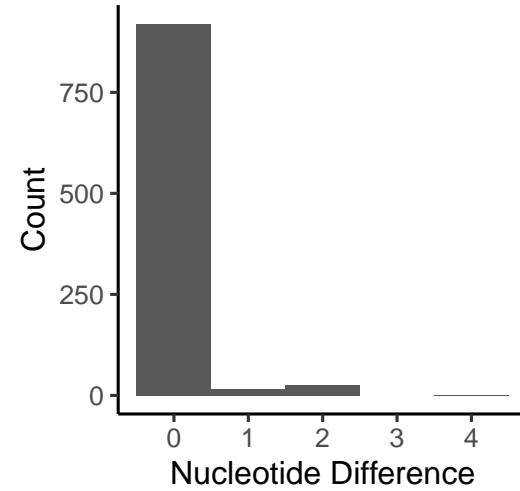
### TRBV10-2\*ap01

1097 sequences assigned  
1084 (98.8%) exact matches, in which:  
1054 unique CDR3  
13 unique J



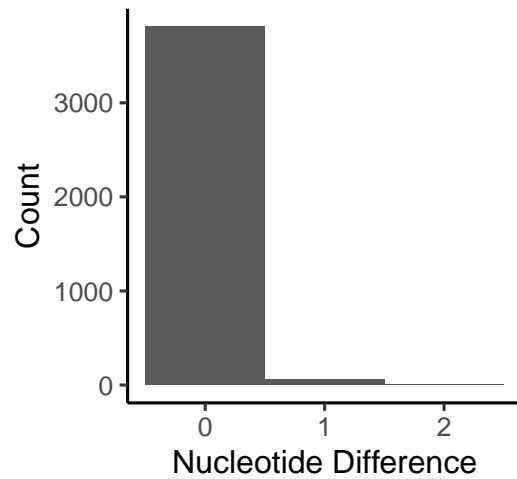
### TRBV13\*ap01

963 sequences assigned  
920 (95.5%) exact matches, in which:  
899 unique CDR3  
13 unique J



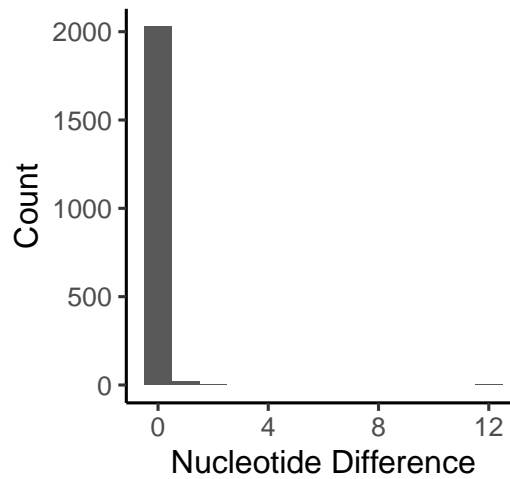
### TRBV20-1\*ap01

3870 sequences assigned  
3809 (98.4%) exact matches, in which:  
3731 unique CDR3  
13 unique J



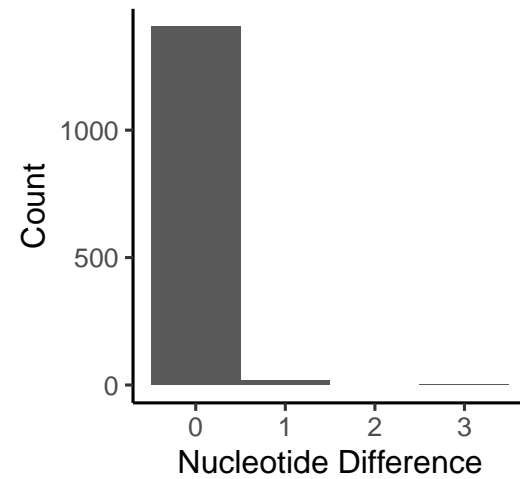
### TRBV10-3\*ap01

2052 sequences assigned  
2028 (98.8%) exact matches, in which:  
1979 unique CDR3  
13 unique J



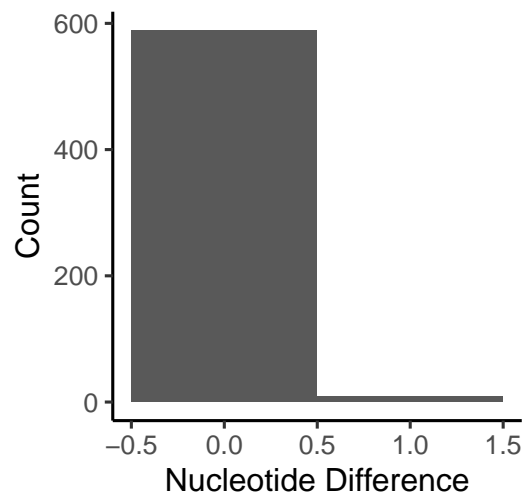
### TRBV14\*ap01

1423 sequences assigned  
1406 (98.8%) exact matches, in which:  
1362 unique CDR3  
13 unique J



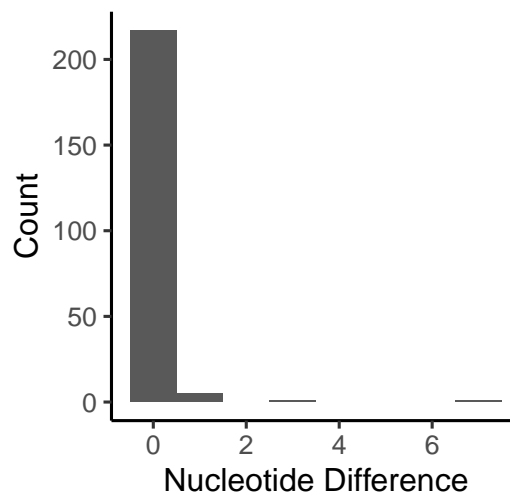
### TRBV20-1\*ap02

598 sequences assigned  
589 (98.5%) exact matches, in which:  
573 unique CDR3  
13 unique J



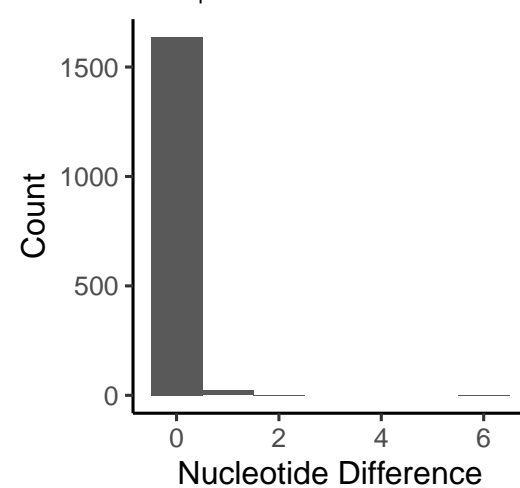
### TRBV1\*ap01

224 sequences assigned  
217 (96.9%) exact matches, in which:  
214 unique CDR3  
13 unique J



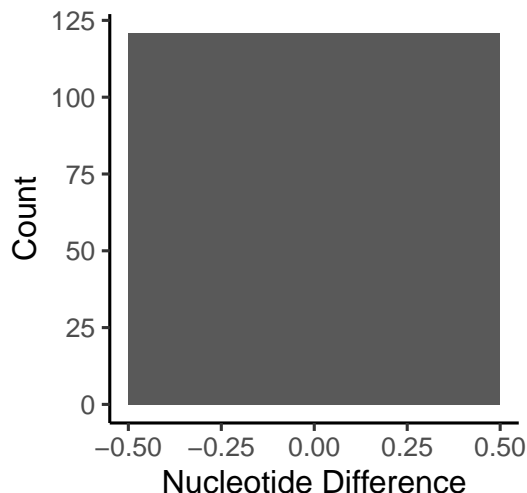
### TRBV15\*ap02

1661 sequences assigned  
1637 (98.6%) exact matches, in which:  
1594 unique CDR3  
13 unique J



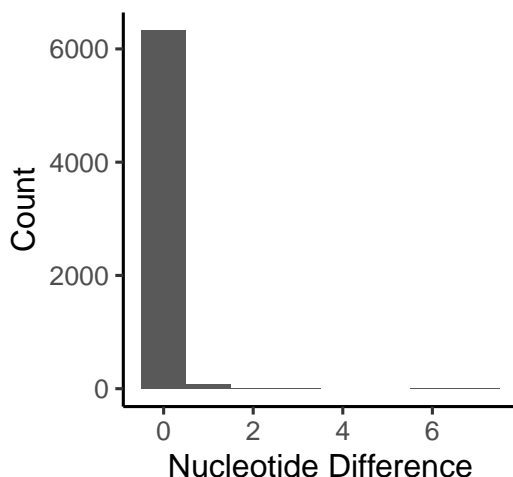
### TRBV16\*ap01

121 sequences assigned  
121 (100%) exact matches, in which:  
120 unique CDR3  
13 unique J



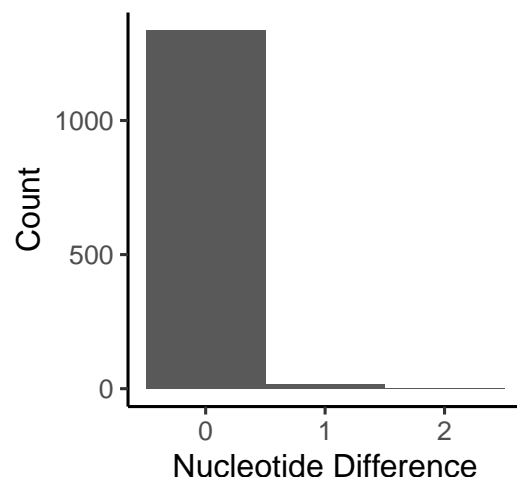
### TRBV19\*ap01

6413 sequences assigned  
6327 (98.7%) exact matches, in which:  
6211 unique CDR3  
13 unique J



### TRBV28\*ap01

1353 sequences assigned  
1336 (98.7%) exact matches, in which:  
1297 unique CDR3  
13 unique J



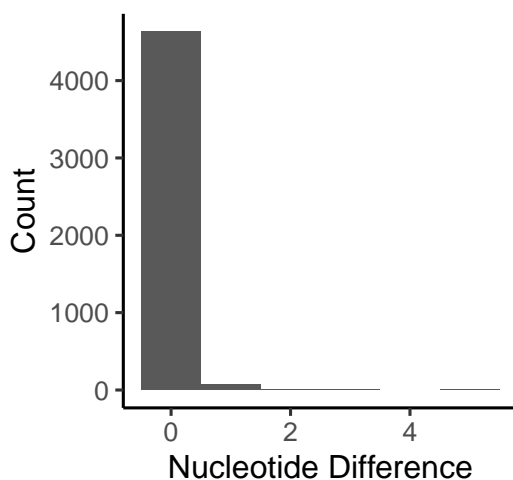
### TRBV17\*ap01

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



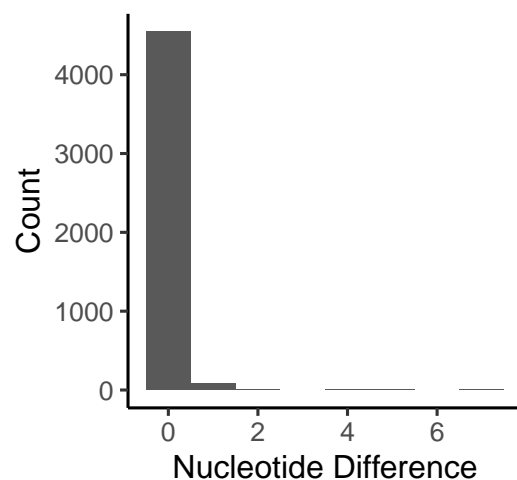
### TRBV2\*ap01

4716 sequences assigned  
4632 (98.2%) exact matches, in which:  
4565 unique CDR3  
13 unique J



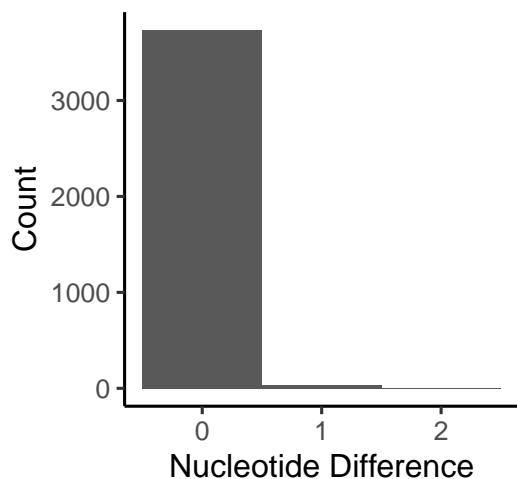
### TRBV30\*ap01

4640 sequences assigned  
4545 (98%) exact matches, in which:  
4499 unique CDR3  
13 unique J



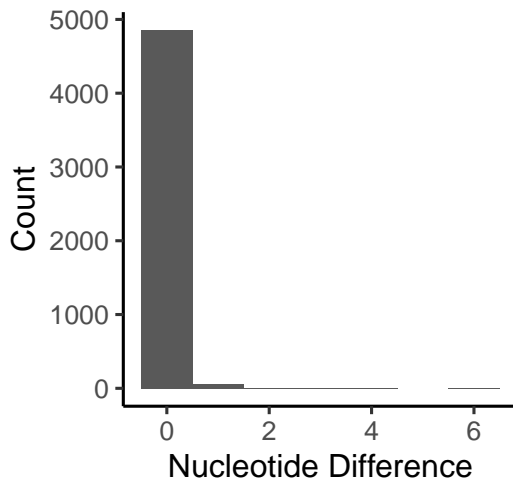
### TRBV18\*ap01

3772 sequences assigned  
3734 (99%) exact matches, in which:  
3634 unique CDR3  
13 unique J



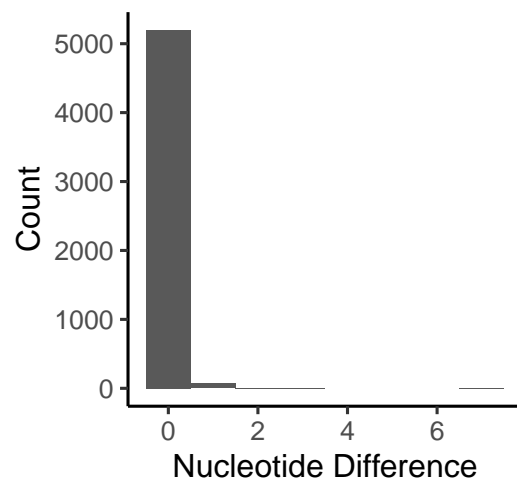
### TRBV27\*ap01

4924 sequences assigned  
4856 (98.6%) exact matches, in which:  
4744 unique CDR3  
13 unique J



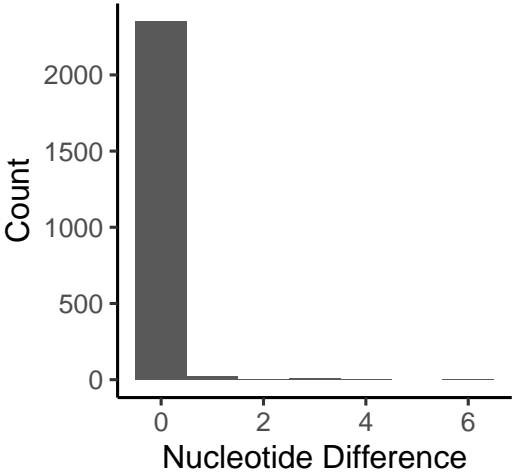
### TRBV9\*ap01

5281 sequences assigned  
5198 (98.4%) exact matches, in which:  
5074 unique CDR3  
13 unique J



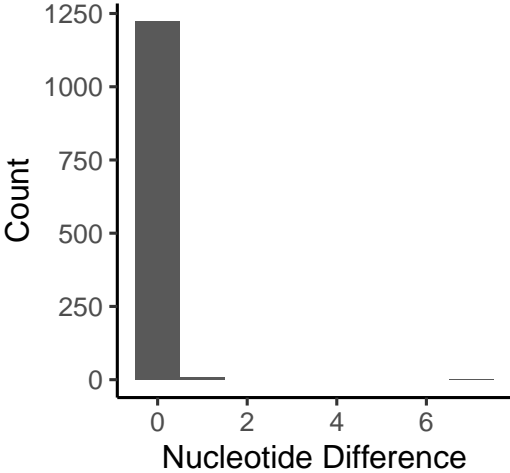
TRBV21-1\*ap01

2389 sequences assigned  
2351 (98.4%) exact matches, in which:  
2294 unique CDR3  
13 unique J



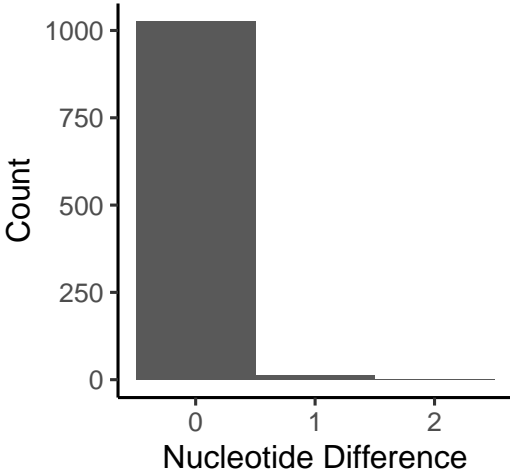
TRBV11-3\*ap01

1232 sequences assigned  
1223 (99.3%) exact matches, in which:  
1200 unique CDR3  
13 unique J



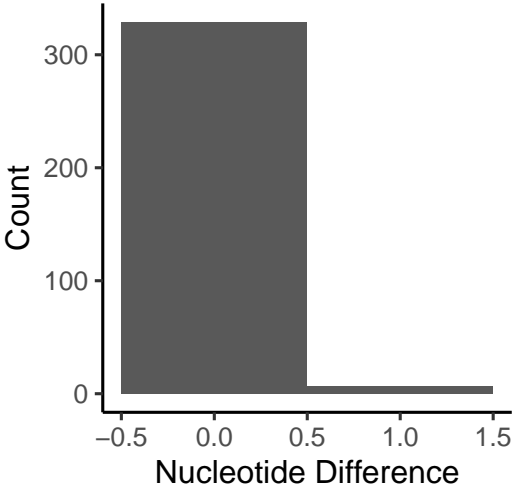
TRBV12-5\*ap01

1041 sequences assigned  
1026 (98.6%) exact matches, in which:  
1010 unique CDR3  
13 unique J



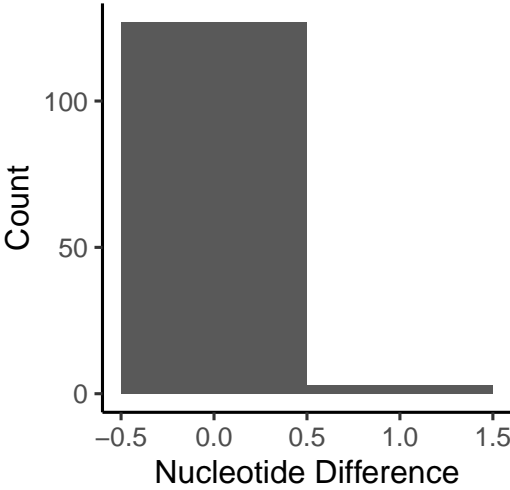
TRBV11-1\*ap01

336 sequences assigned  
329 (97.9%) exact matches, in which:  
325 unique CDR3  
13 unique J



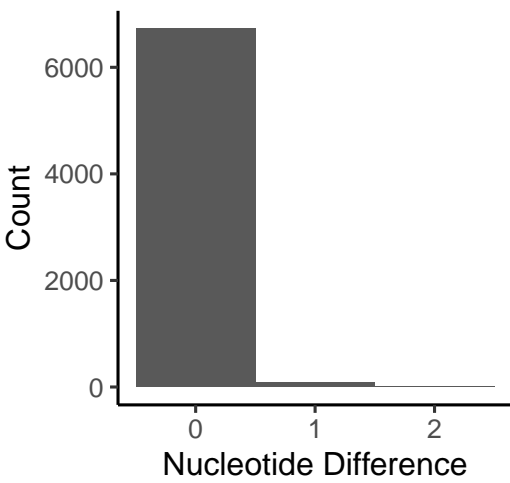
TRBV12-1\*ap01

130 sequences assigned  
127 (97.7%) exact matches, in which:  
124 unique CDR3  
13 unique J



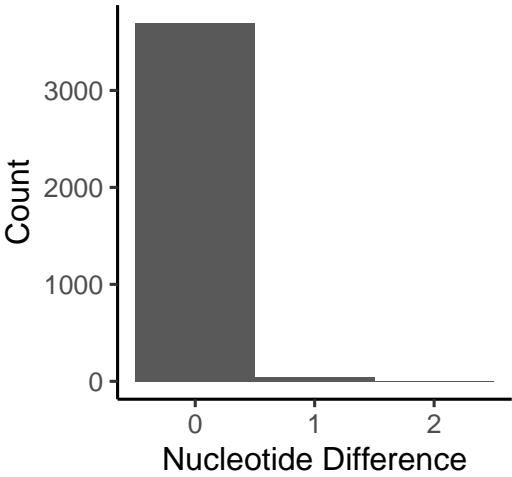
TRBV12-34\*ap01

6812 sequences assigned  
6724 (98.7%) exact matches, in which:  
6584 unique CDR3  
13 unique J



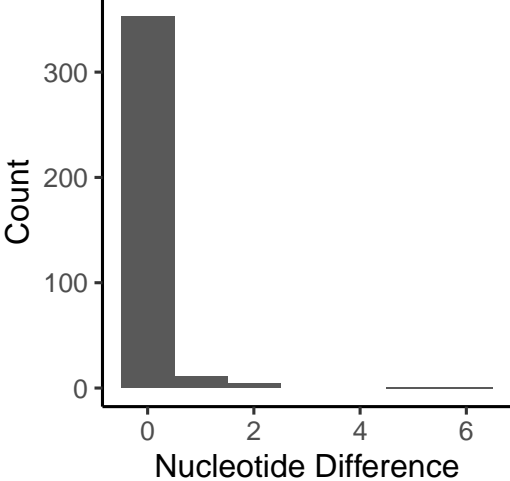
TRBV11-2\*ap01

3741 sequences assigned  
3695 (98.8%) exact matches, in which:  
3594 unique CDR3  
13 unique J



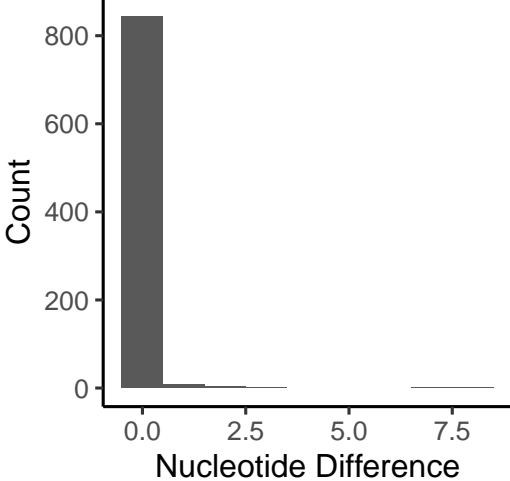
TRBV12-2\*ap01

370 sequences assigned  
353 (95.4%) exact matches, in which:  
345 unique CDR3  
13 unique J



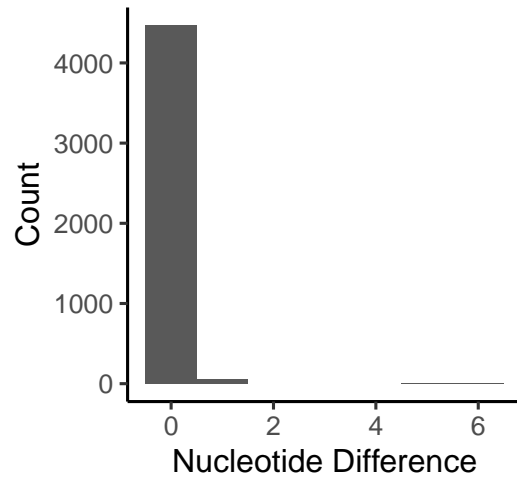
TRBV23-1\*ap01

858 sequences assigned  
844 (98.4%) exact matches, in which:  
829 unique CDR3  
13 unique J



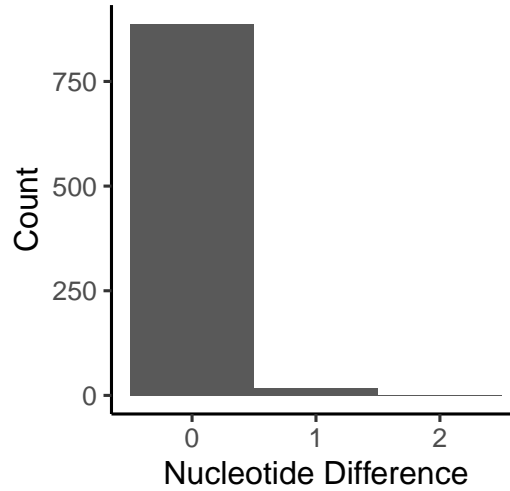
### TRBV3-12\*ap01

4528 sequences assigned  
4468 (98.7%) exact matches, in which:  
4384 unique CDR3  
13 unique J



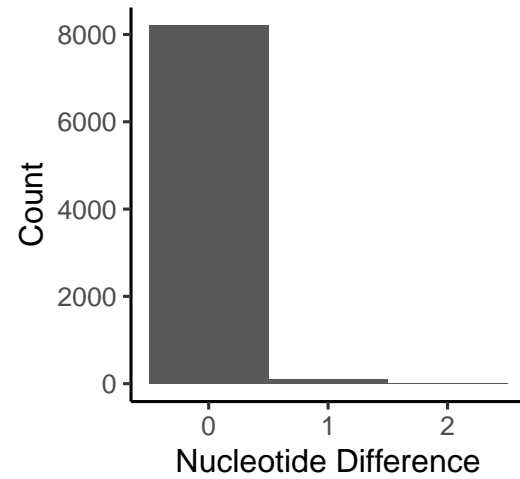
### TRBV4-2\*ap01

906 sequences assigned  
888 (98%) exact matches, in which:  
864 unique CDR3  
13 unique J



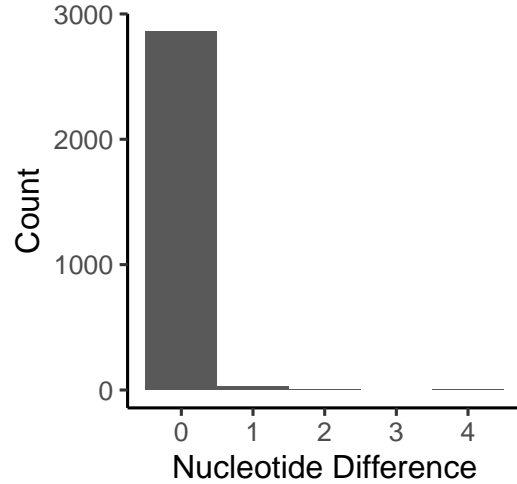
### TRBV5-1\*ap01

8313 sequences assigned  
8208 (98.7%) exact matches, in which:  
8011 unique CDR3  
13 unique J



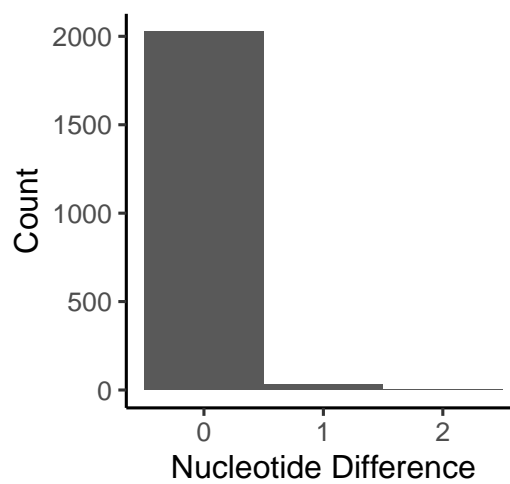
### TRBV4-1\*ap01

2887 sequences assigned  
2858 (99%) exact matches, in which:  
2795 unique CDR3  
13 unique J



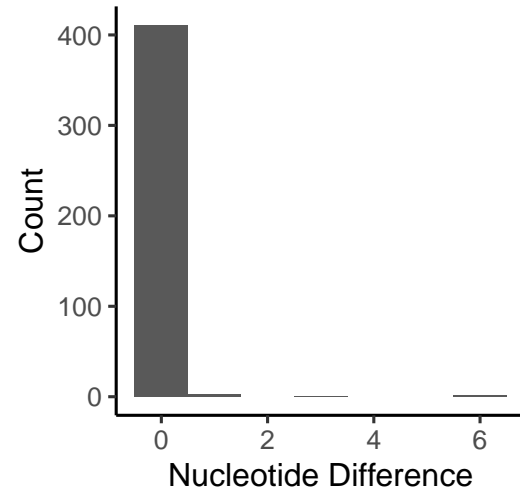
### TRBV4-3\*ap01

2062 sequences assigned  
2026 (98.3%) exact matches, in which:  
1998 unique CDR3  
13 unique J



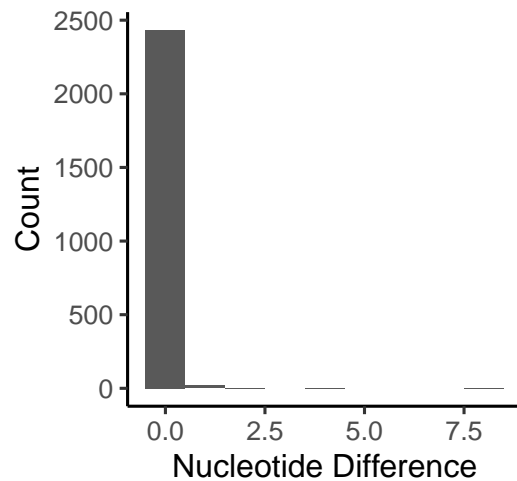
### TRBV5-3\*ap01

417 sequences assigned  
411 (98.6%) exact matches, in which:  
403 unique CDR3  
13 unique J



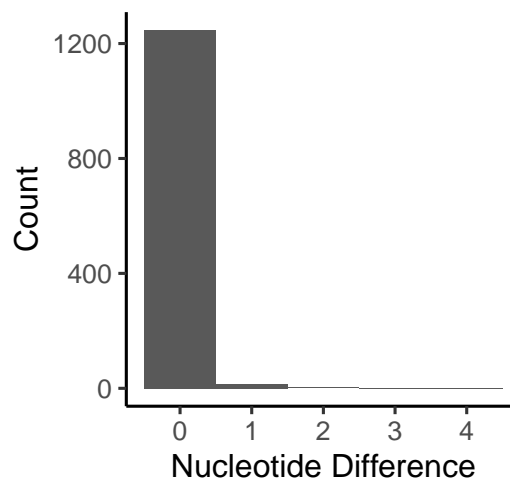
### TRBV24-1\*ap01

2457 sequences assigned  
2433 (99%) exact matches, in which:  
2406 unique CDR3  
13 unique J



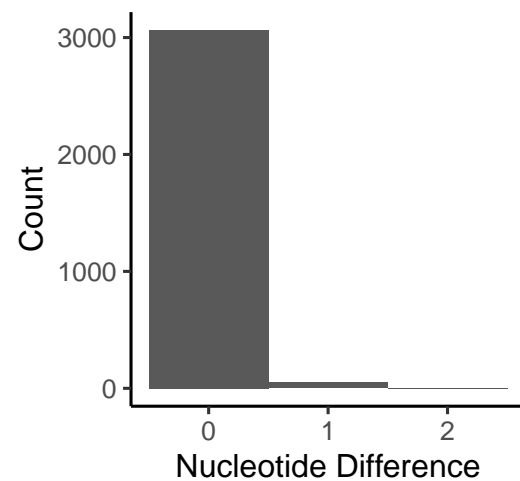
### TRBV25-1\*ap01

1267 sequences assigned  
1247 (98.4%) exact matches, in which:  
1228 unique CDR3  
13 unique J



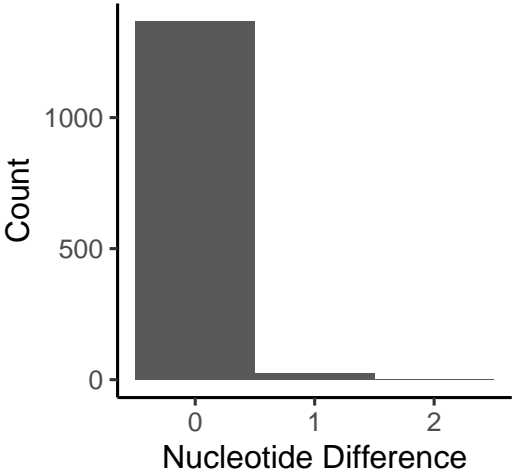
### TRBV5-4\*ap01

3117 sequences assigned  
3064 (98.3%) exact matches, in which:  
2978 unique CDR3  
13 unique J



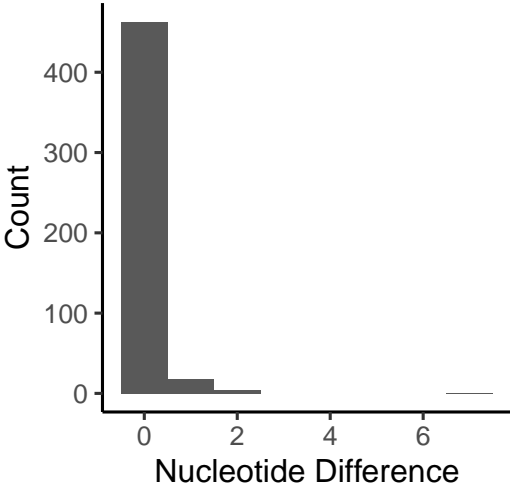
TRBV5-5\*ap01

1393 sequences assigned  
1367 (98.1%) exact matches, in which:  
1347 unique CDR3  
13 unique J



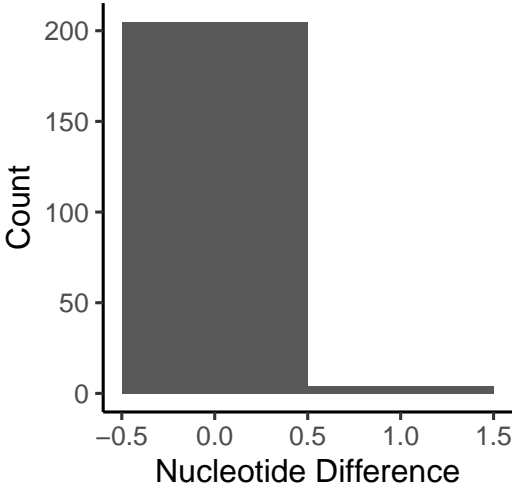
TRBV5-8\*ap01

486 sequences assigned  
463 (95.3%) exact matches, in which:  
460 unique CDR3  
13 unique J



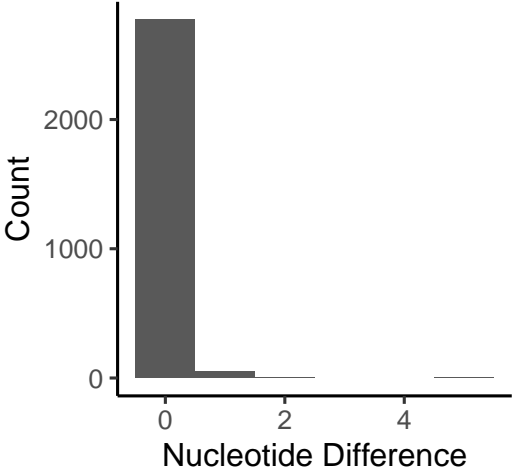
TRBV6-7\*ap01

209 sequences assigned  
205 (98.1%) exact matches, in which:  
198 unique CDR3  
13 unique J



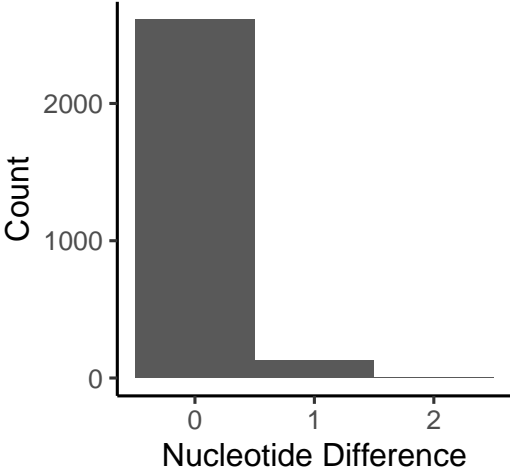
TRBV5-6\*ap01

2822 sequences assigned  
2772 (98.2%) exact matches, in which:  
2702 unique CDR3  
13 unique J



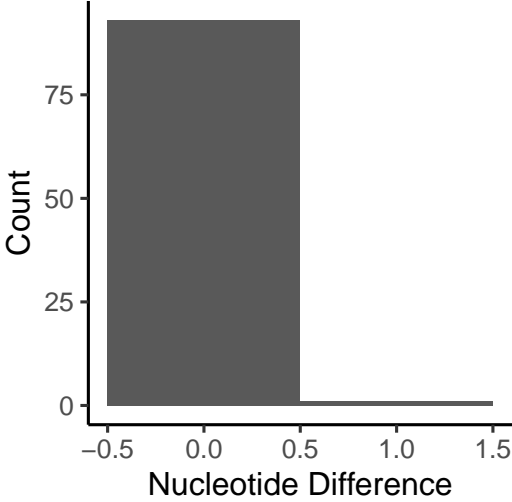
TRBV6-1\*ap01

2740 sequences assigned  
2610 (95.3%) exact matches, in which:  
2553 unique CDR3  
13 unique J



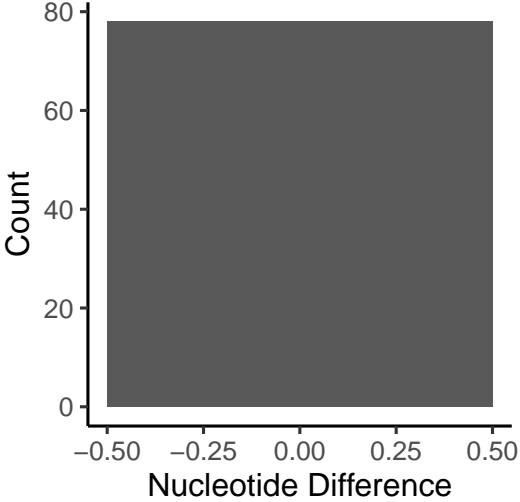
TRBV6-8\*ap01

94 sequences assigned  
93 (98.9%) exact matches, in which:  
93 unique CDR3  
13 unique J



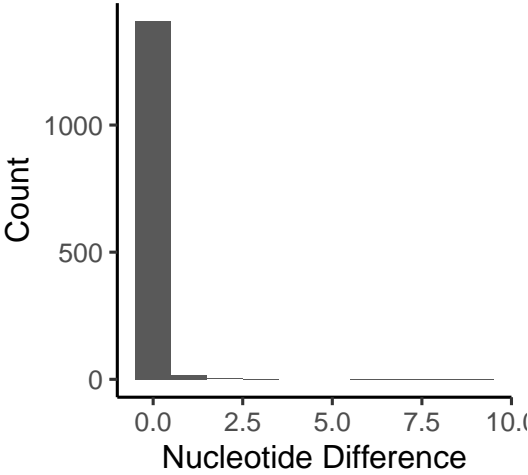
TRBV5-7\*ap01

78 sequences assigned  
78 (100%) exact matches, in which:  
75 unique CDR3  
13 unique J



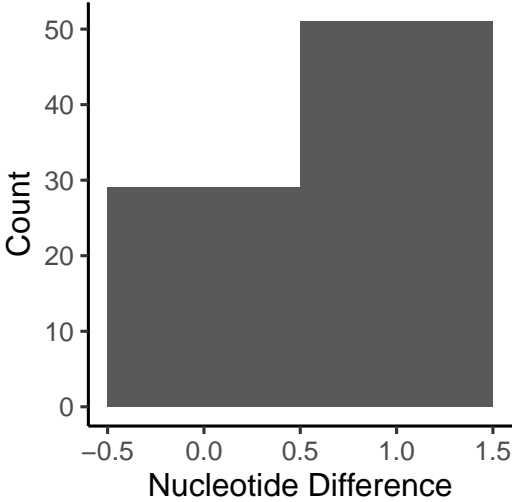
TRBV6-4\*ap01

1435 sequences assigned  
1409 (98.2%) exact matches, in which:  
1373 unique CDR3  
13 unique J



TRBV6-9\*ap01

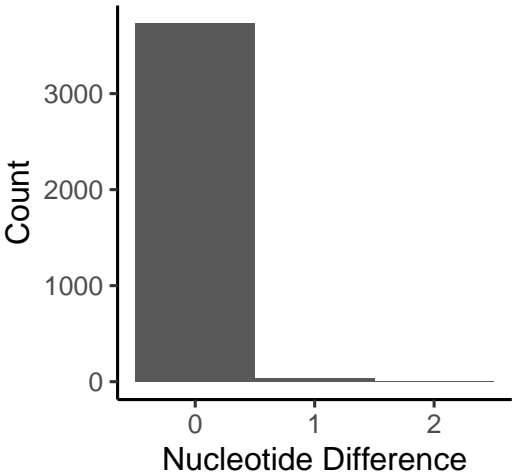
80 sequences assigned  
29 (36.2%) exact matches, in which:  
29 unique CDR3  
11 unique J





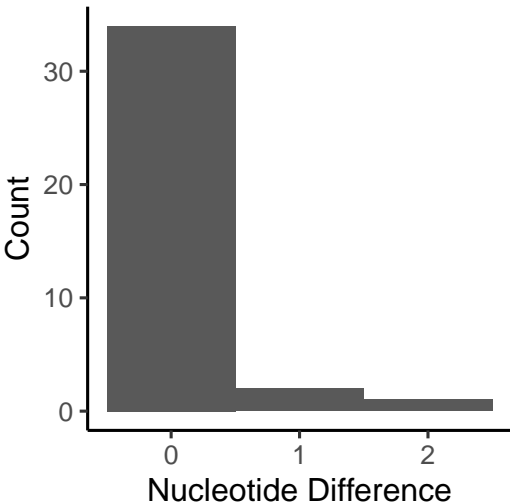
TRBV6-23\*ap01

3768 sequences assigned  
3731 (99%) exact matches, in which:  
3663 unique CDR3  
13 unique J



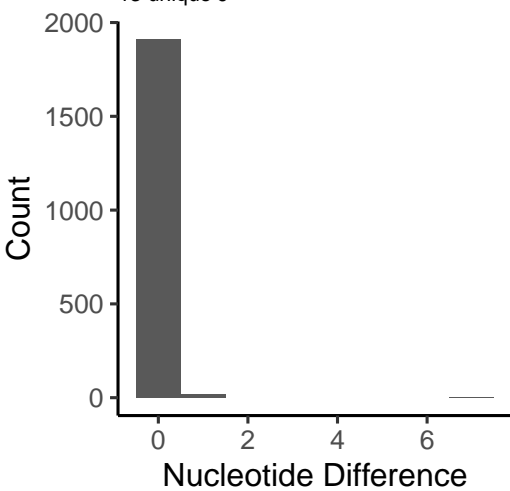
TRBV7-1\*ap01\_G291C\_T

37 sequences assigned  
34 (91.9%) exact matches, in which:  
33 unique CDR3  
12 unique J



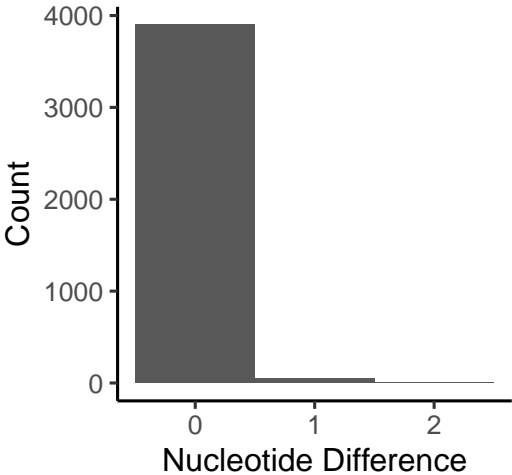
TRBV7-3\*ap01

1931 sequences assigned  
1910 (98.9%) exact matches, in which:  
1861 unique CDR3  
13 unique J



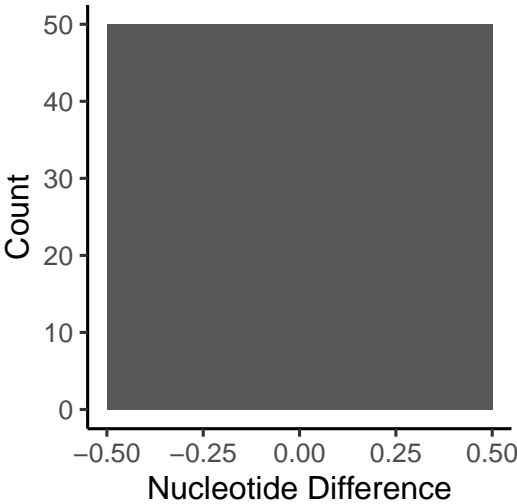
TRBV6-56\*ap01

3956 sequences assigned  
3900 (98.6%) exact matches, in which:  
3819 unique CDR3  
13 unique J



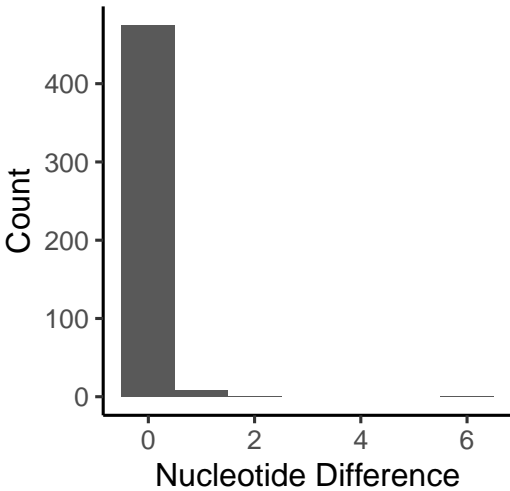
TRBV7-1\*ap01\_G291C\_T

50 sequences assigned  
50 (100%) exact matches, in which:  
48 unique CDR3  
11 unique J



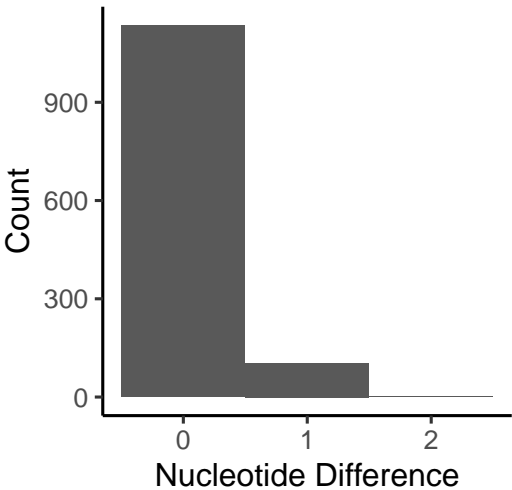
TRBV7-3\*ap02

485 sequences assigned  
475 (97.9%) exact matches, in which:  
469 unique CDR3  
13 unique J



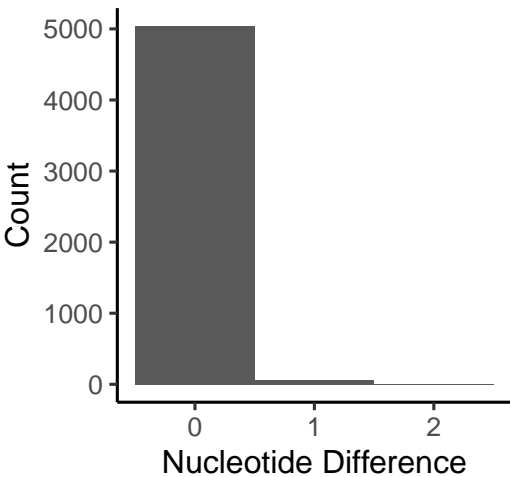
TRBV6-56\*ap02

1241 sequences assigned  
1135 (91.5%) exact matches, in which:  
1112 unique CDR3  
13 unique J



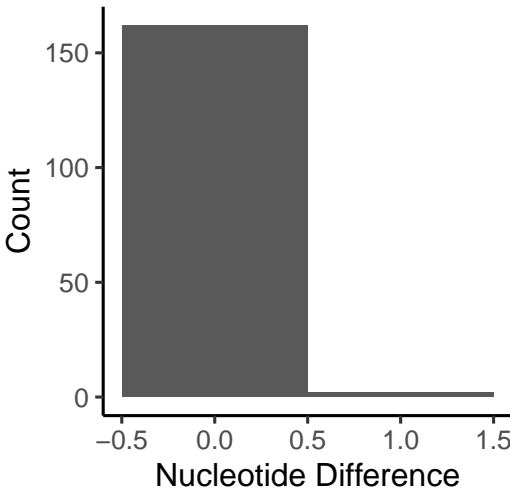
TRBV7-2\*ap01

5107 sequences assigned  
5040 (98.7%) exact matches, in which:  
4932 unique CDR3  
13 unique J



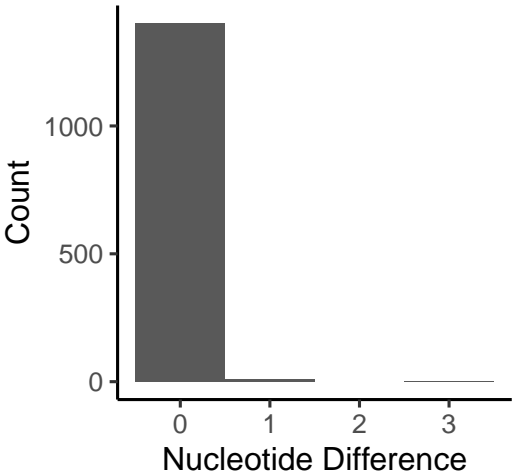
TRBV7-4\*ap01

164 sequences assigned  
162 (98.8%) exact matches, in which:  
158 unique CDR3  
13 unique J



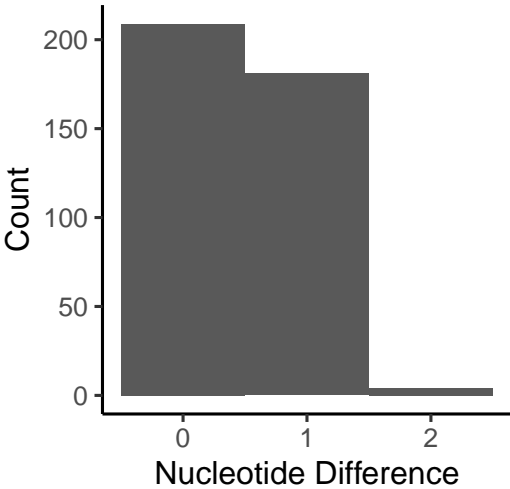
TRBV7-6\*ap01

1413 sequences assigned  
1401 (99.2%) exact matches, in which:  
1359 unique CDR3  
13 unique J



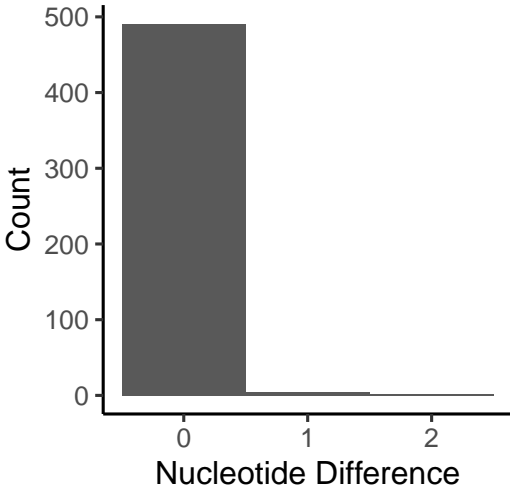
TRBV7-8\*ap03

394 sequences assigned  
209 (53%) exact matches, in which:  
203 unique CDR3  
13 unique J



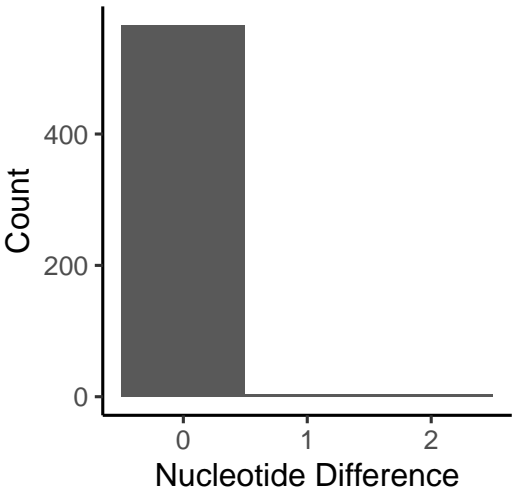
TRBV29-1\*ap02

498 sequences assigned  
491 (98.6%) exact matches, in which:  
482 unique CDR3  
13 unique J



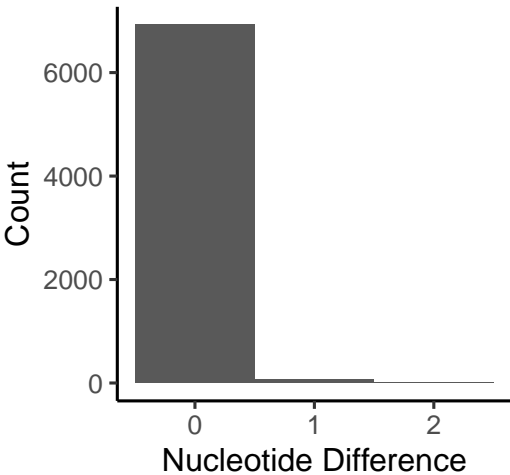
TRBV7-7\*ap01

574 sequences assigned  
566 (98.6%) exact matches, in which:  
554 unique CDR3  
13 unique J



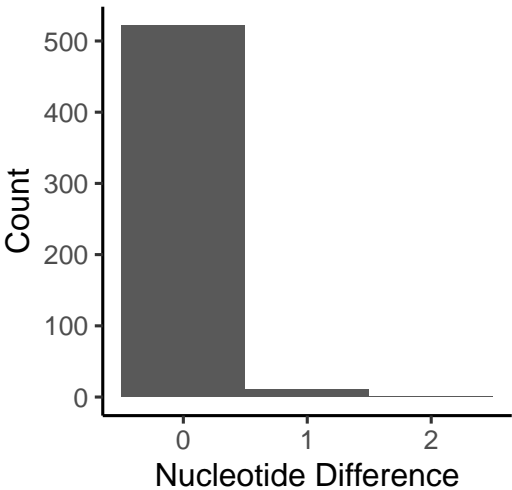
TRBV7-9\*ap01

7001 sequences assigned  
6925 (98.9%) exact matches, in which:  
6783 unique CDR3  
13 unique J



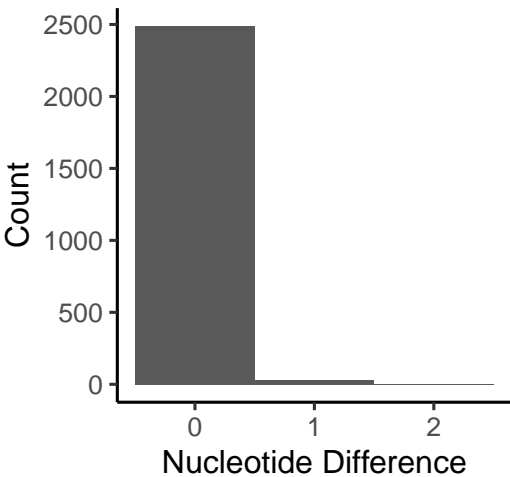
TRBV7-8\*ap01

533 sequences assigned  
522 (97.9%) exact matches, in which:  
513 unique CDR3  
13 unique J

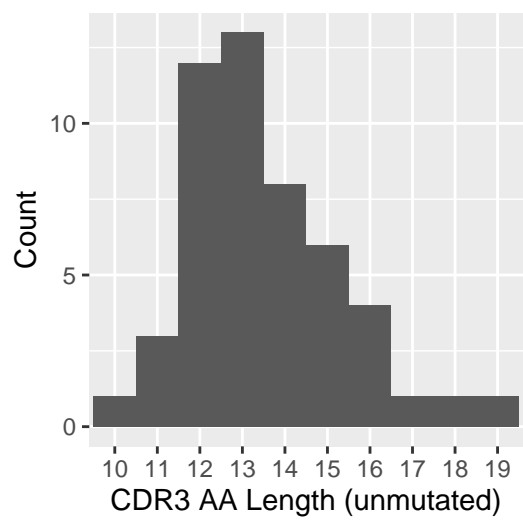


TRBV29-1\*ap01

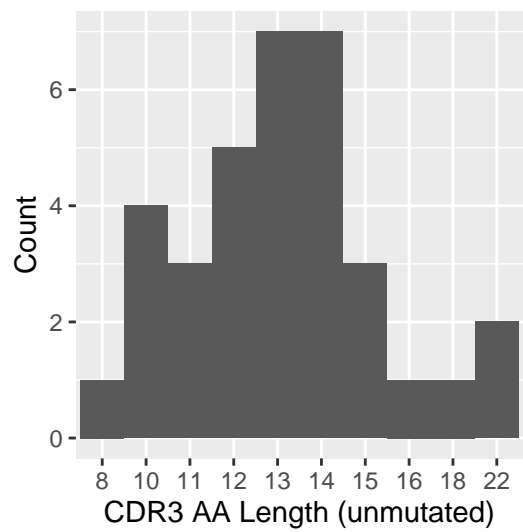
2522 sequences assigned  
2489 (98.7%) exact matches, in which:  
2447 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]