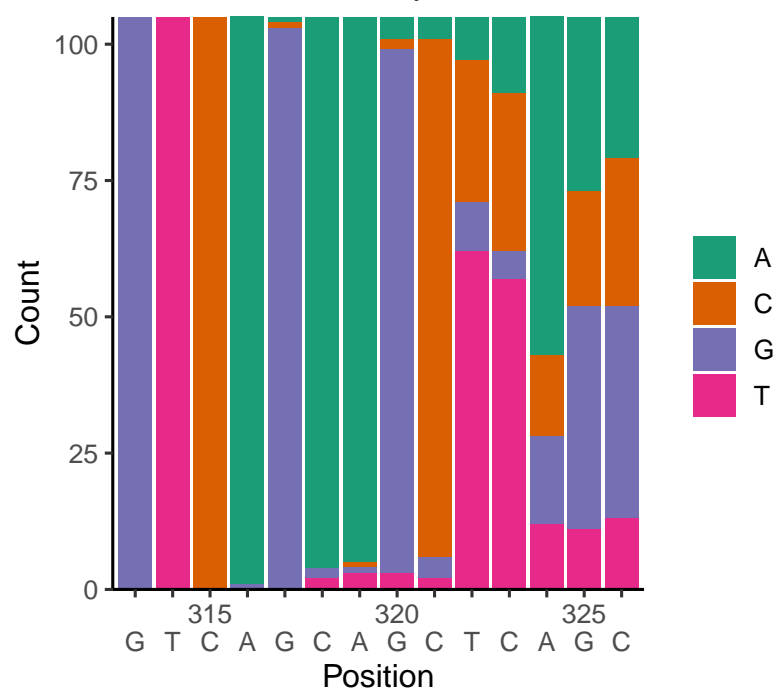
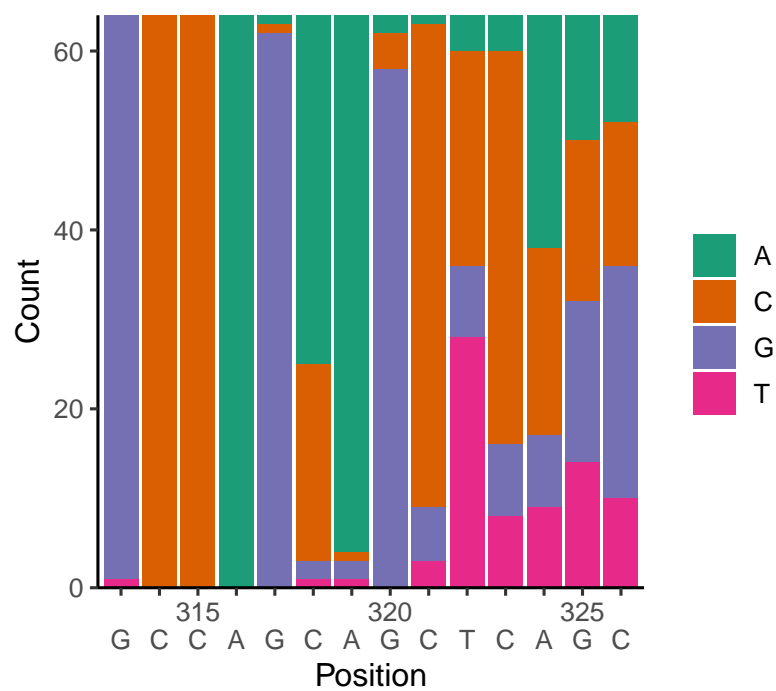


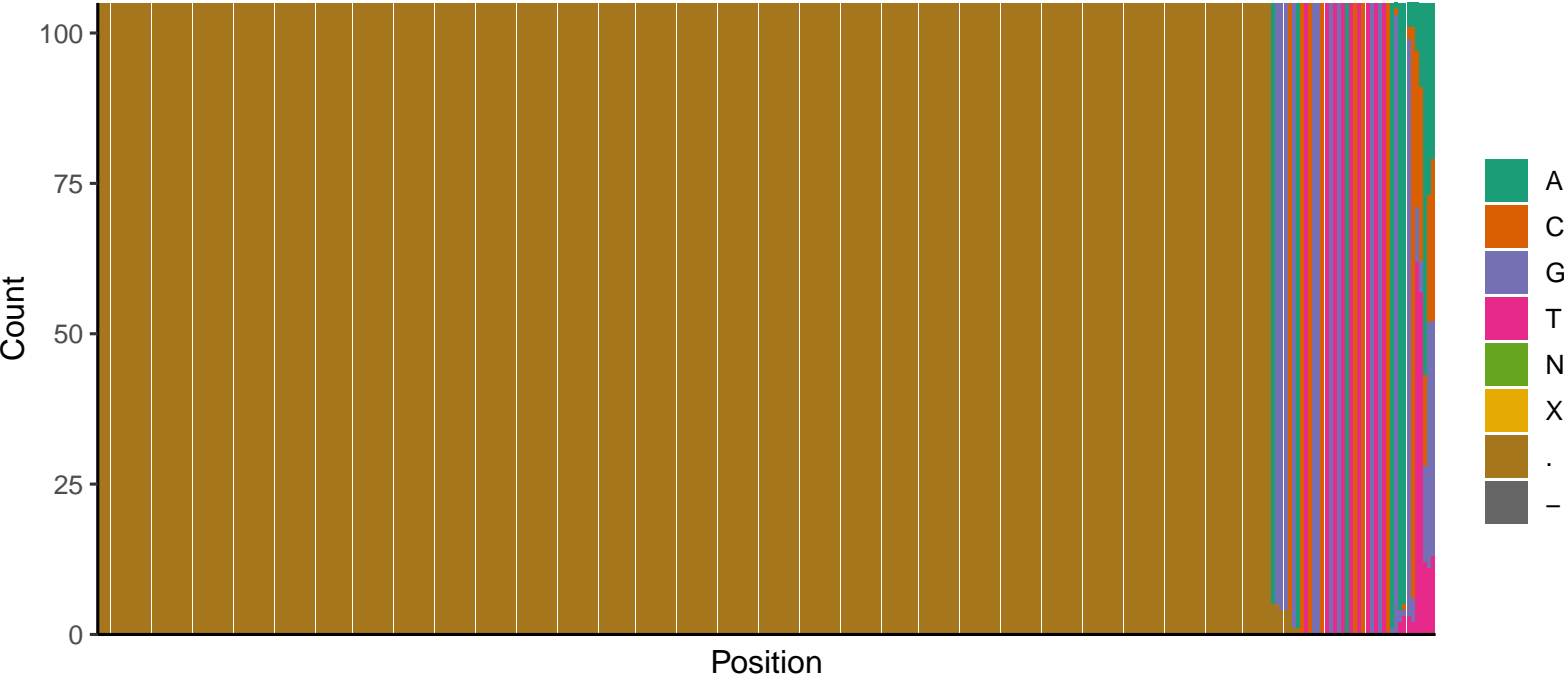
Gene TRBV7-1\*ap01\_T296C\_C314T



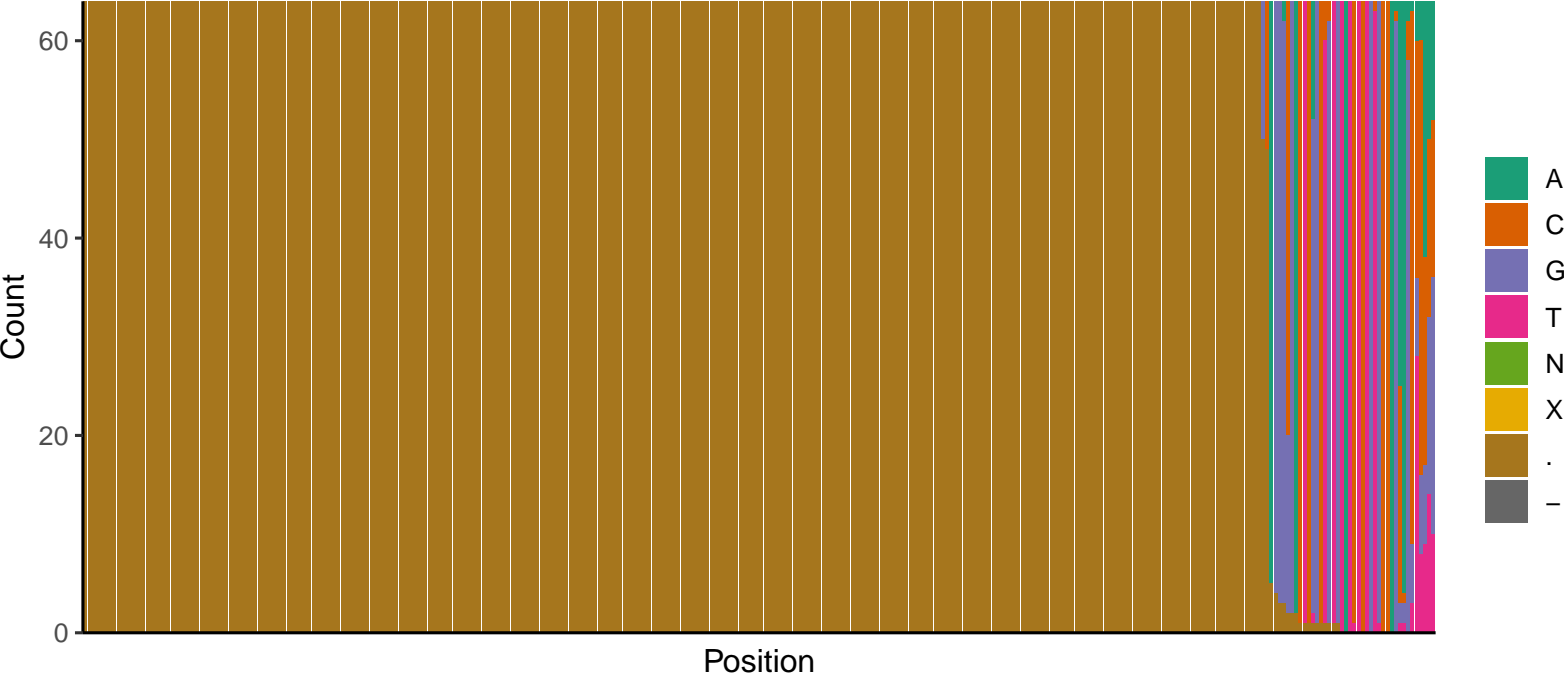
Gene TRBV7-1\*ap01\_T296C



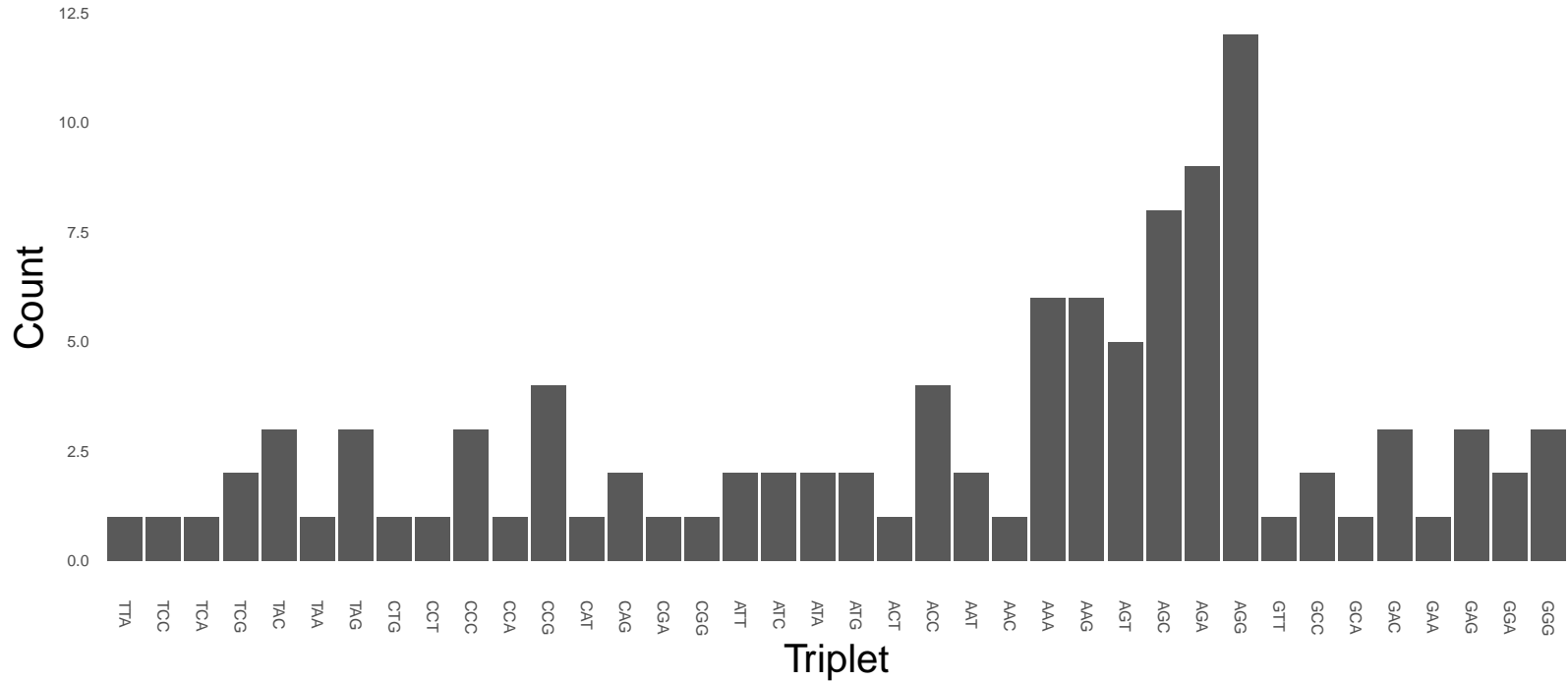
Gene TRBV7-1\*ap01\_T296C\_C314T



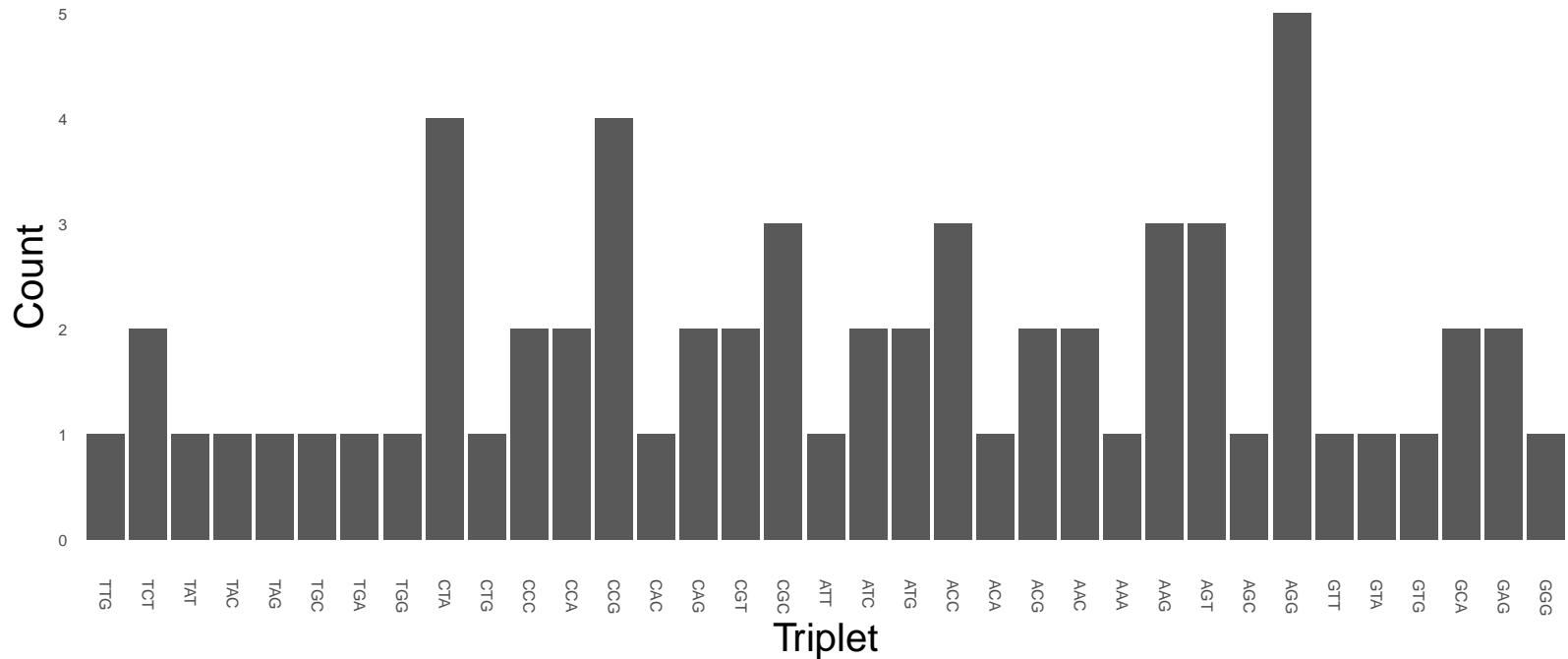
Gene TRBV7-1\*ap01\_T296C



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

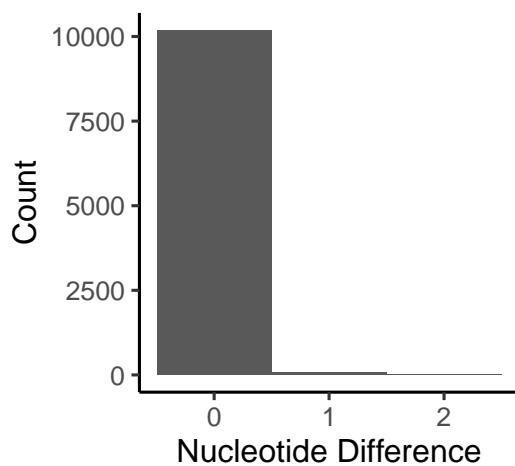


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



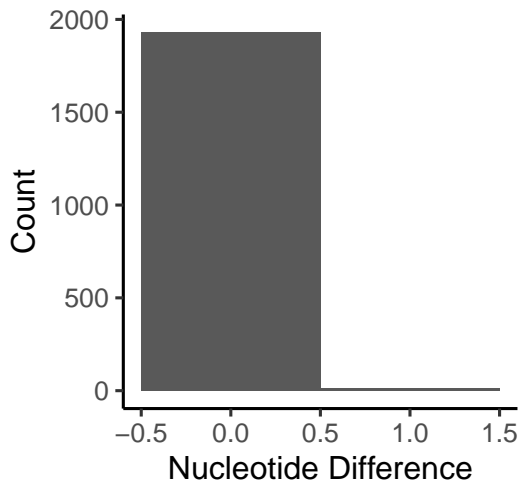
### TRBV20-1\*ap01

10252 sequences assigned  
10188 (99.4%) exact matches, in which:  
10119 unique CDR3  
13 unique J



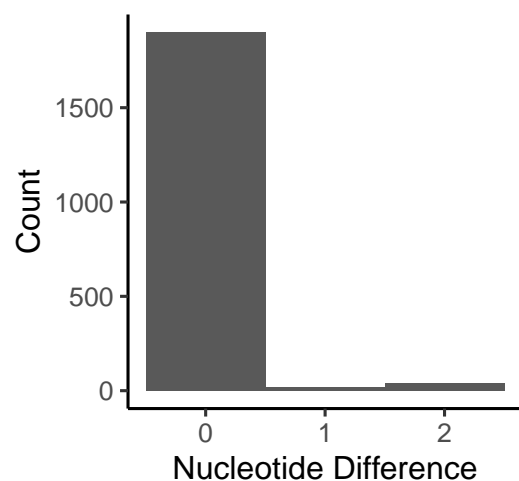
### TRBV10-2\*ap01

1941 sequences assigned  
1930 (99.4%) exact matches, in which:  
1915 unique CDR3  
13 unique J



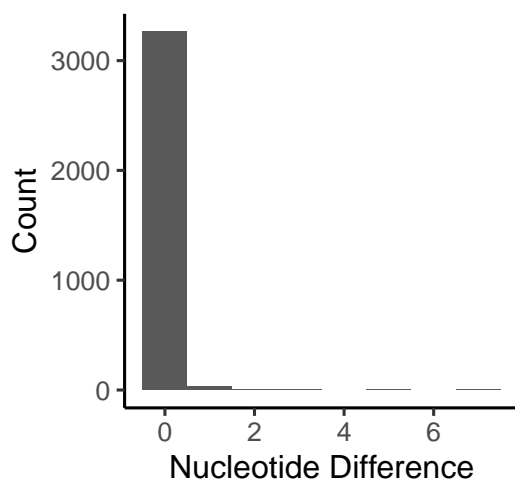
### TRBV13\*ap01

1957 sequences assigned  
1899 (97%) exact matches, in which:  
1865 unique CDR3  
13 unique J



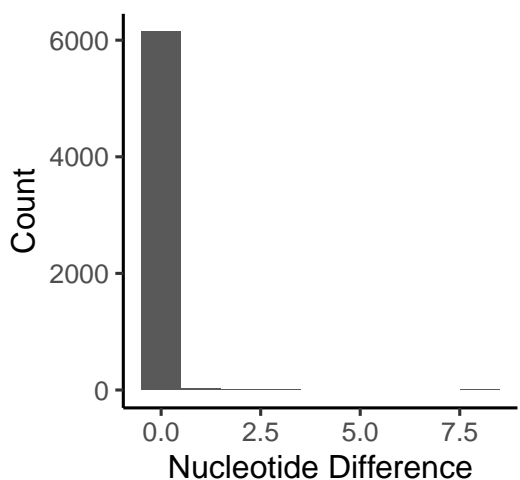
### TRBV10-1\*ap01

3296 sequences assigned  
3263 (99%) exact matches, in which:  
3239 unique CDR3  
13 unique J



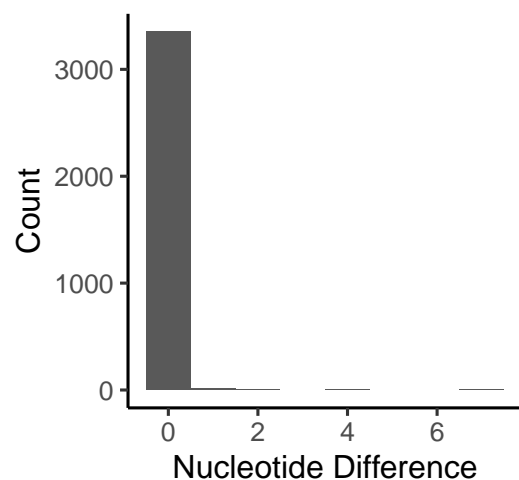
### TRBV10-3\*ap01

6181 sequences assigned  
6145 (99.4%) exact matches, in which:  
6089 unique CDR3  
13 unique J



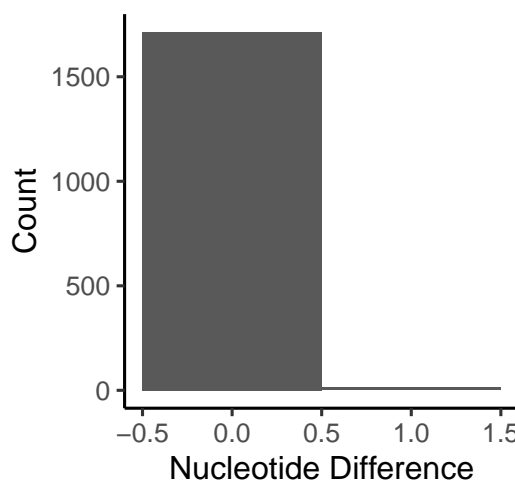
### TRBV14\*ap01

3372 sequences assigned  
3352 (99.4%) exact matches, in which:  
3327 unique CDR3  
13 unique J



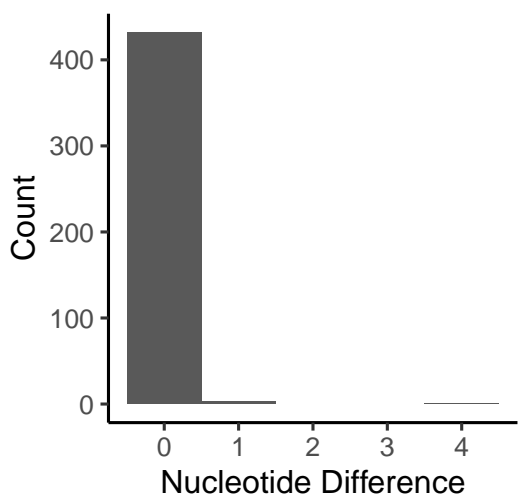
### TRBV20-1\*ap02

1728 sequences assigned  
1714 (99.2%) exact matches, in which:  
1705 unique CDR3  
13 unique J



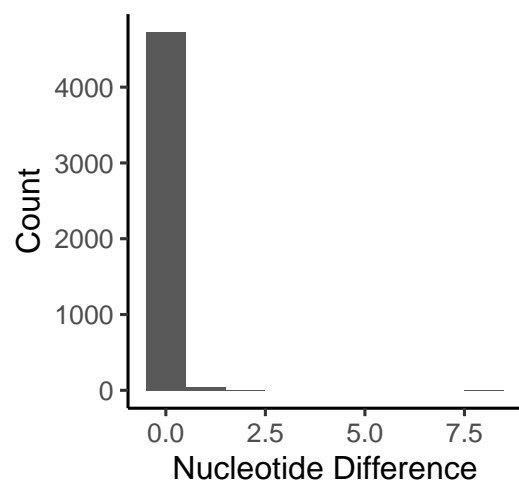
### TRBV1\*ap01

436 sequences assigned  
432 (99.1%) exact matches, in which:  
417 unique CDR3  
13 unique J



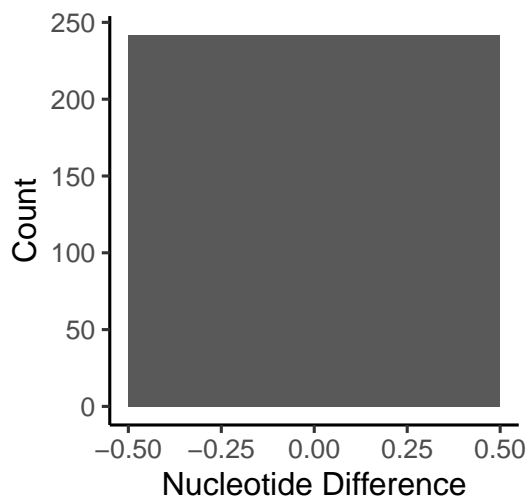
### TRBV15\*ap02

4769 sequences assigned  
4727 (99.1%) exact matches, in which:  
4671 unique CDR3  
13 unique J



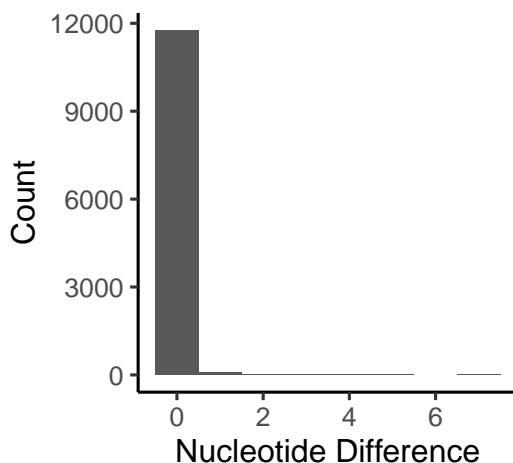
### TRBV16\*ap01

242 sequences assigned  
242 (100%) exact matches, in which:  
241 unique CDR3  
13 unique J



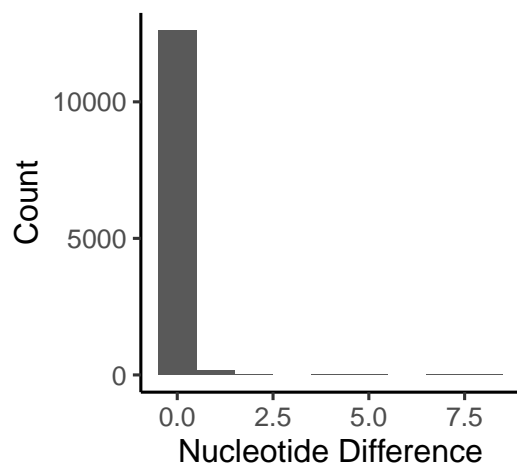
### TRBV2\*ap01

11870 sequences assigned  
11766 (99.1%) exact matches, in which:  
11629 unique CDR3  
13 unique J



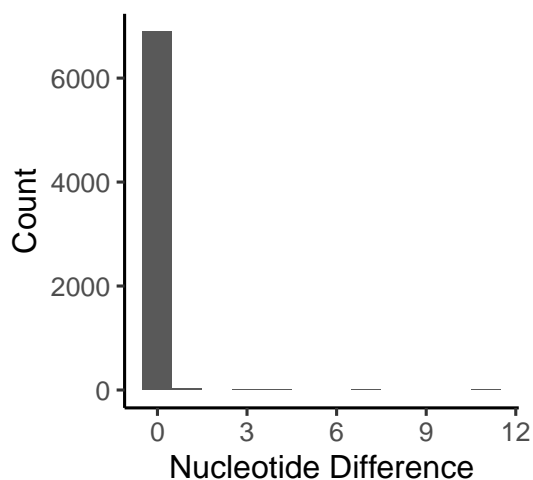
### TRBV30\*ap01

12805 sequences assigned  
12625 (98.6%) exact matches, in which:  
12395 unique CDR3  
13 unique J



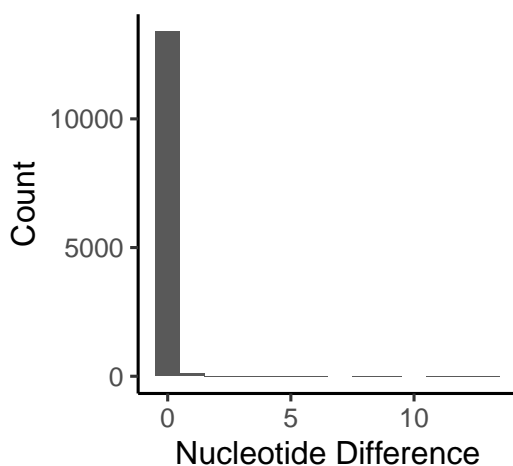
### TRBV18\*ap01

6920 sequences assigned  
6892 (99.6%) exact matches, in which:  
6870 unique CDR3  
13 unique J



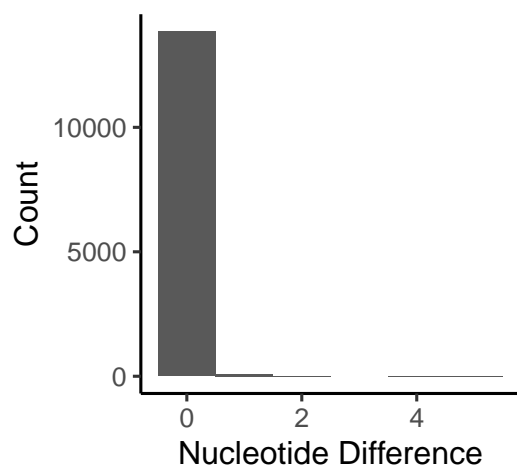
### TRBV27\*ap01

13516 sequences assigned  
13395 (99.1%) exact matches, in which:  
13225 unique CDR3  
13 unique J



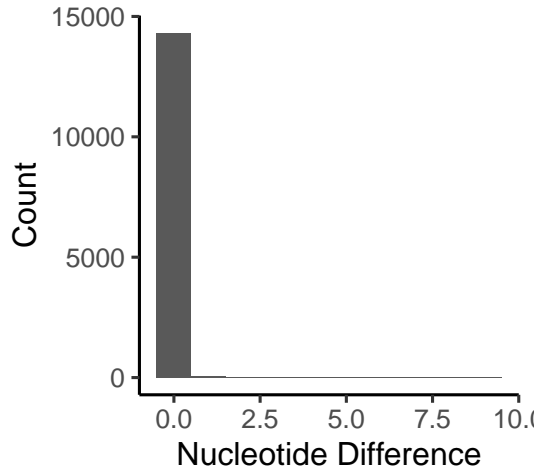
### TRBV9\*ap01

13944 sequences assigned  
13852 (99.3%) exact matches, in which:  
13730 unique CDR3  
13 unique J



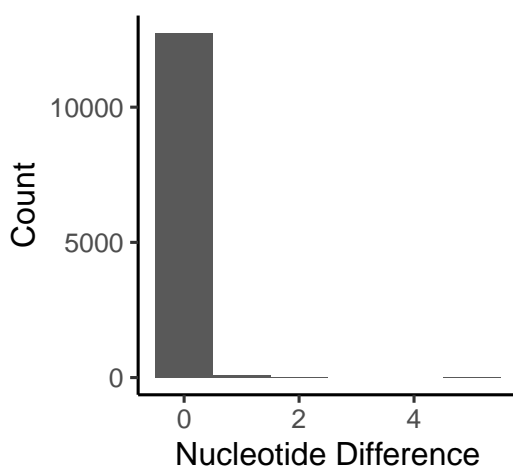
### TRBV19\*ap01

14404 sequences assigned  
14321 (99.4%) exact matches, in which:  
14279 unique CDR3  
13 unique J



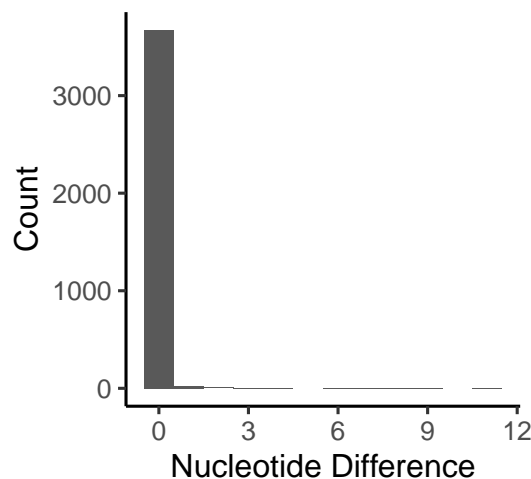
### TRBV28\*ap01

12833 sequences assigned  
12751 (99.4%) exact matches, in which:  
12663 unique CDR3  
14 unique J



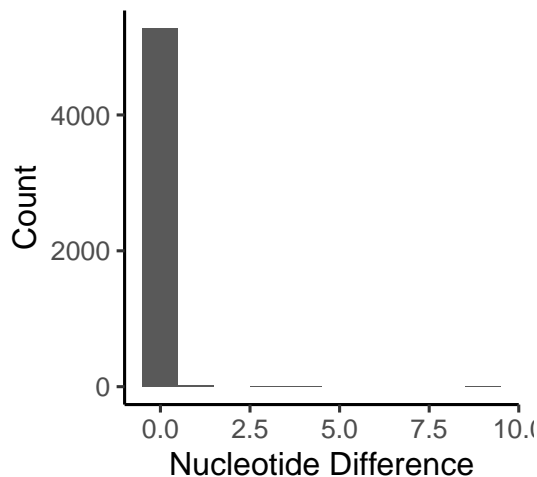
### TRBV21-1\*ap01

3722 sequences assigned  
3672 (98.7%) exact matches, in which:  
3654 unique CDR3  
13 unique J



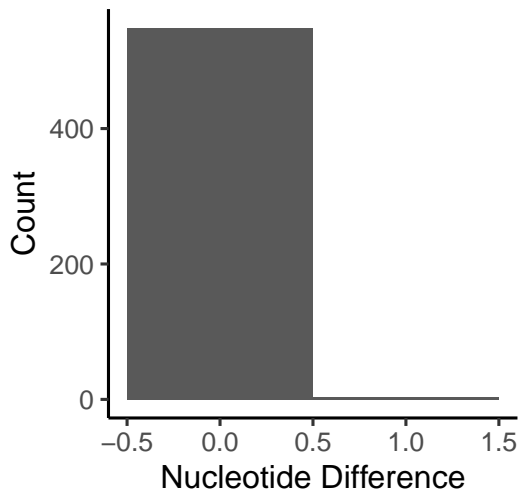
### TRBV11-2\*ap01

5293 sequences assigned  
5274 (99.6%) exact matches, in which:  
5249 unique CDR3  
13 unique J



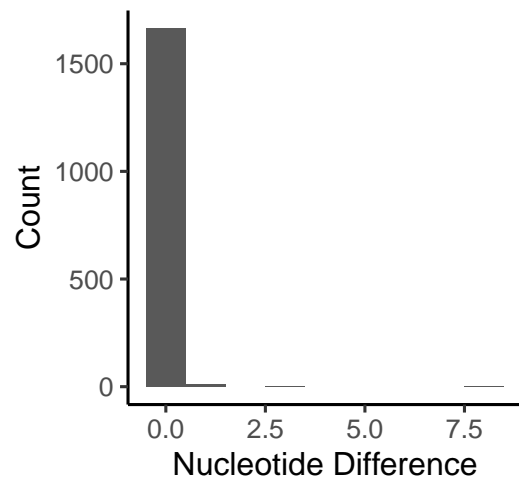
### TRBV12-2\*ap01

552 sequences assigned  
549 (99.5%) exact matches, in which:  
547 unique CDR3  
13 unique J



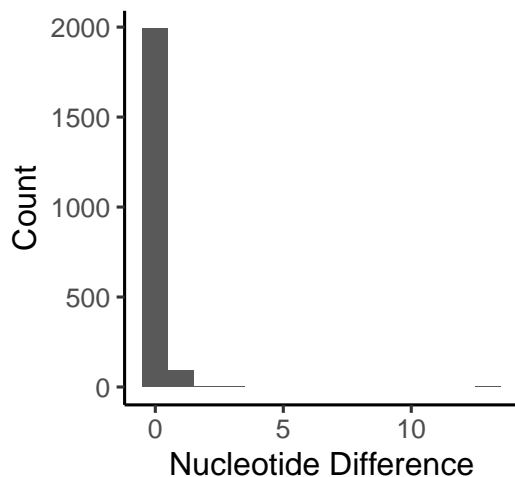
### TRBV23-1\*ap01

1676 sequences assigned  
1664 (99.3%) exact matches, in which:  
1649 unique CDR3  
13 unique J



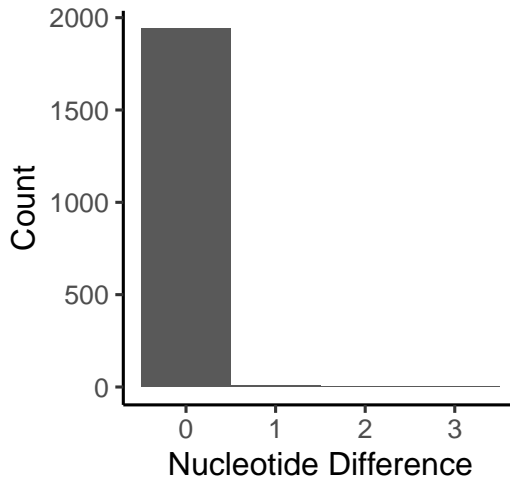
### TRBV11-3\*ap01

2087 sequences assigned  
1991 (95.4%) exact matches, in which:  
1982 unique CDR3  
14 unique J



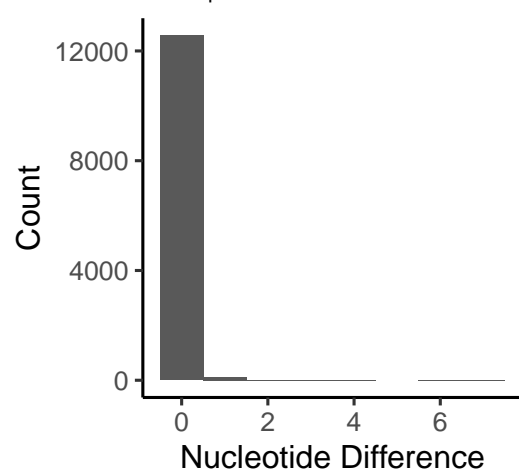
### TRBV12-5\*ap01

1951 sequences assigned  
1940 (99.4%) exact matches, in which:  
1918 unique CDR3  
13 unique J



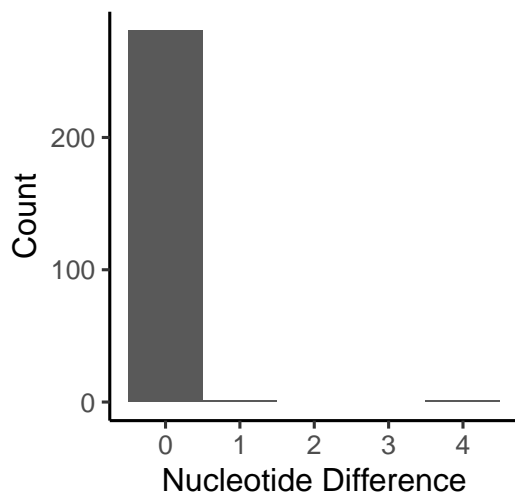
### TRBV3-12\*ap01

12687 sequences assigned  
12564 (99%) exact matches, in which:  
12426 unique CDR3  
14 unique J



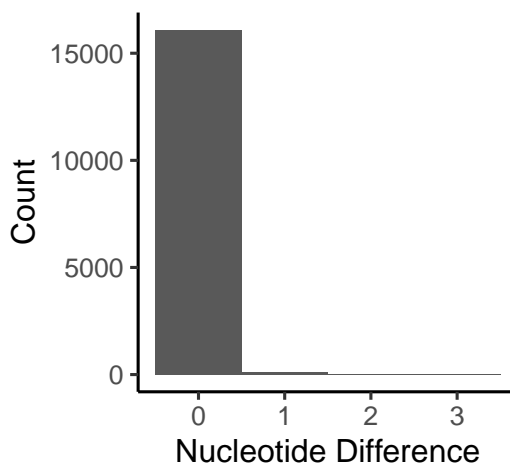
### TRBV12-1\*ap01

283 sequences assigned  
281 (99.3%) exact matches, in which:  
280 unique CDR3  
13 unique J



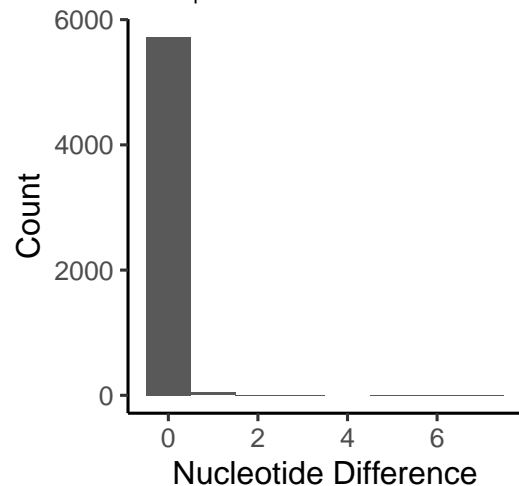
### TRBV12-34\*ap01

16219 sequences assigned  
16095 (99.2%) exact matches, in which:  
15958 unique CDR3  
13 unique J



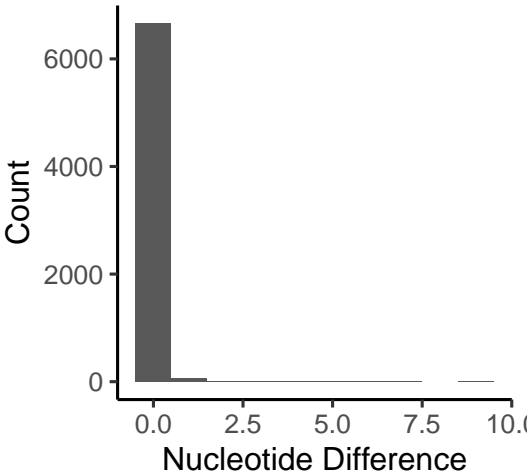
### TRBV4-1\*ap01

5771 sequences assigned  
5722 (99.2%) exact matches, in which:  
5626 unique CDR3  
13 unique J



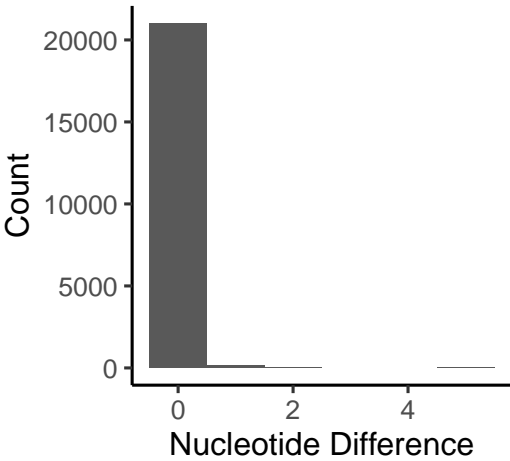
TRBV24-1\*ap01

6736 sequences assigned  
6659 (98.9%) exact matches, in which:  
6576 unique CDR3  
13 unique J



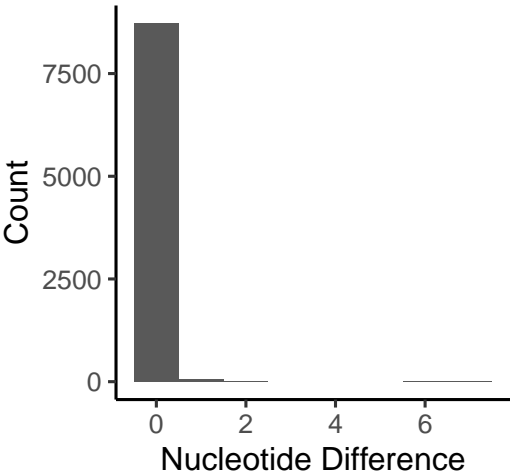
TRBV5-1\*ap01

21197 sequences assigned  
21023 (99.2%) exact matches, in which:  
20713 unique CDR3  
13 unique J



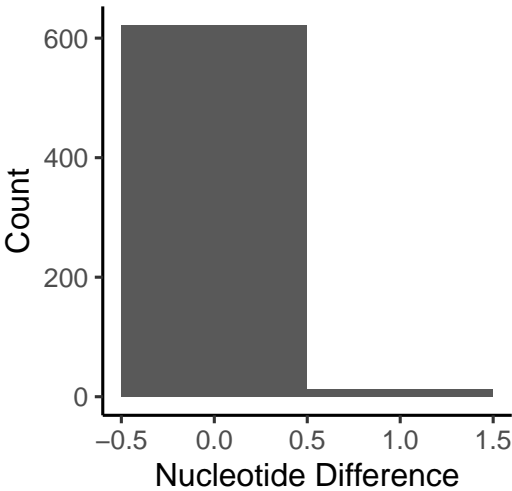
TRBV5-4\*ap01

8791 sequences assigned  
8721 (99.2%) exact matches, in which:  
8621 unique CDR3  
13 unique J



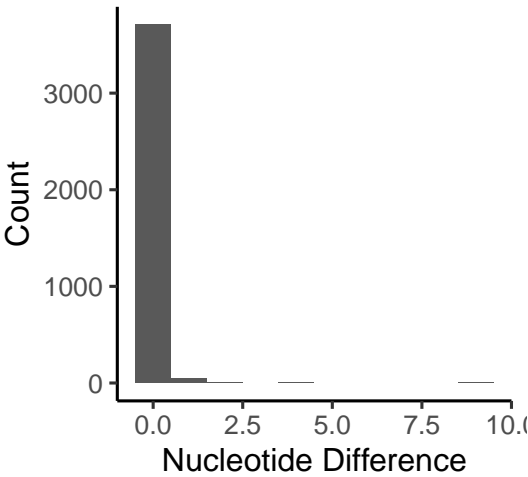
TRBV4-2\*ap01

635 sequences assigned  
622 (98%) exact matches, in which:  
613 unique CDR3  
13 unique J



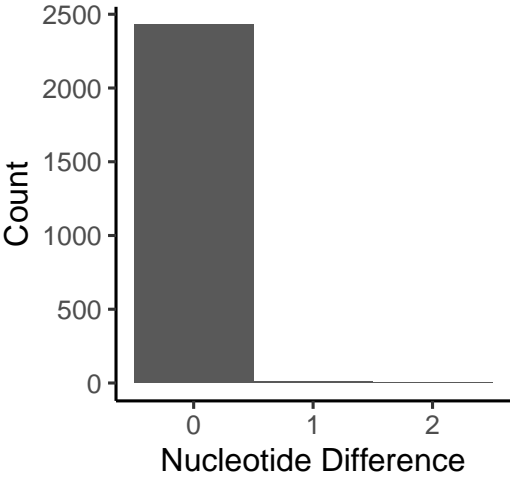
TRBV25-1\*ap01

3755 sequences assigned  
3708 (98.7%) exact matches, in which:  
3641 unique CDR3  
13 unique J



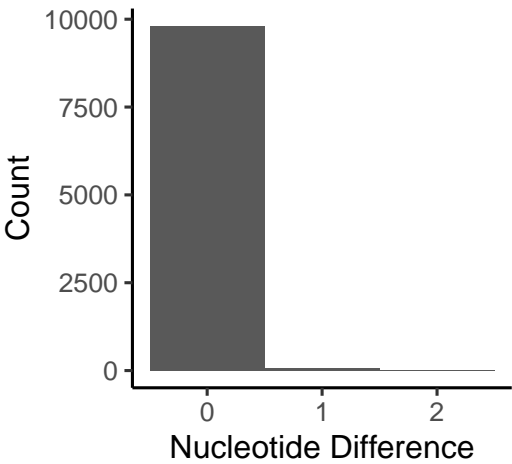
TRBV5-5\*ap01

2440 sequences assigned  
2429 (99.5%) exact matches, in which:  
2419 unique CDR3  
13 unique J



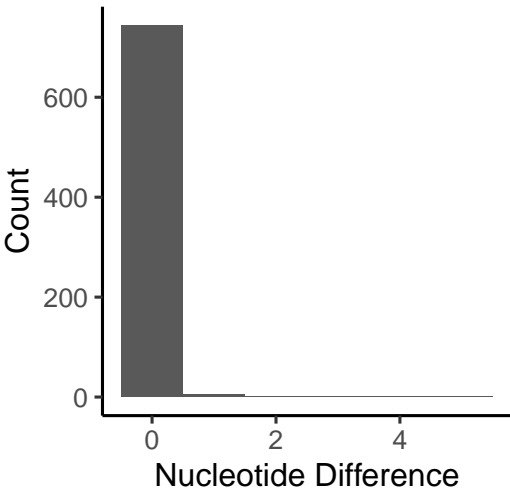
TRBV4-3\*ap01

9883 sequences assigned  
9813 (99.3%) exact matches, in which:  
9681 unique CDR3  
13 unique J



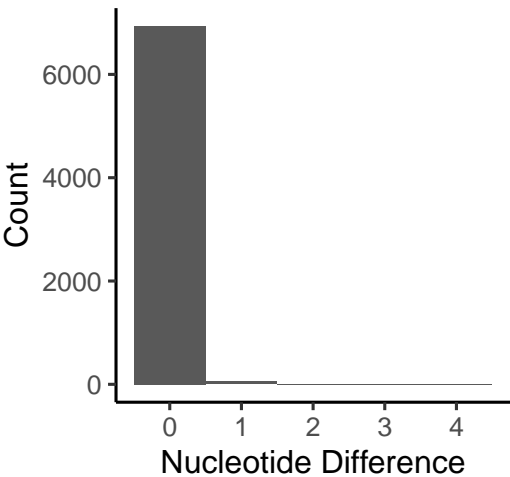
TRBV5-3\*ap01

756 sequences assigned  
744 (98.4%) exact matches, in which:  
736 unique CDR3  
13 unique J



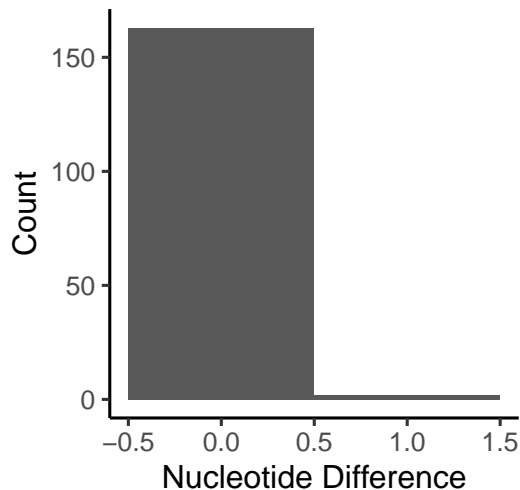
TRBV5-6\*ap01

6998 sequences assigned  
6936 (99.1%) exact matches, in which:  
6807 unique CDR3  
13 unique J



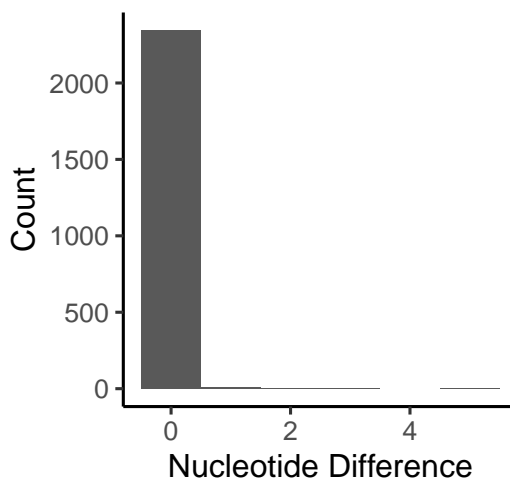
### TRBV5-7\*ap01

165 sequences assigned  
163 (98.8%) exact matches, in which:  
160 unique CDR3  
13 unique J



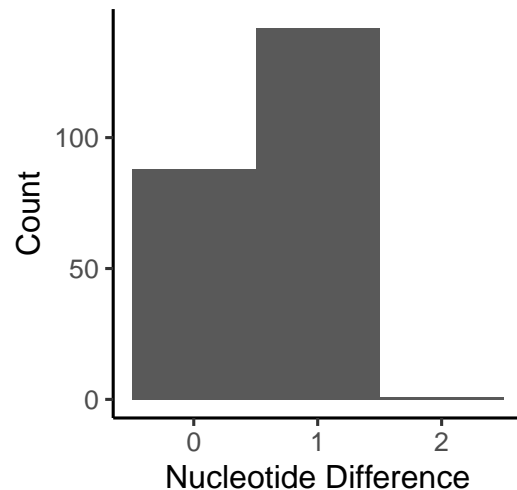
### TRBV6-4\*ap01

2363 sequences assigned  
2344 (99.2%) exact matches, in which:  
2330 unique CDR3  
13 unique J



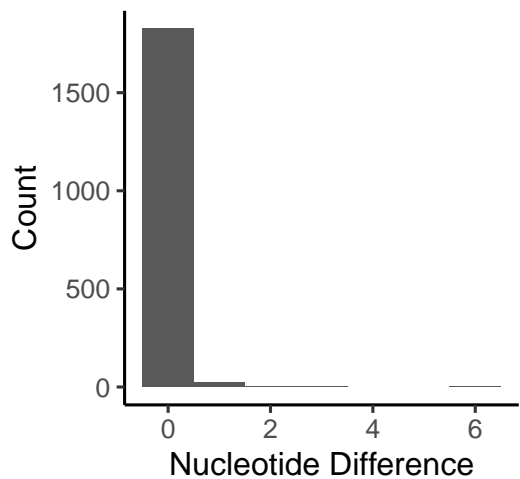
### TRBV6-9\*ap01

231 sequences assigned  
88 (38.1%) exact matches, in which:  
86 unique CDR3  
13 unique J



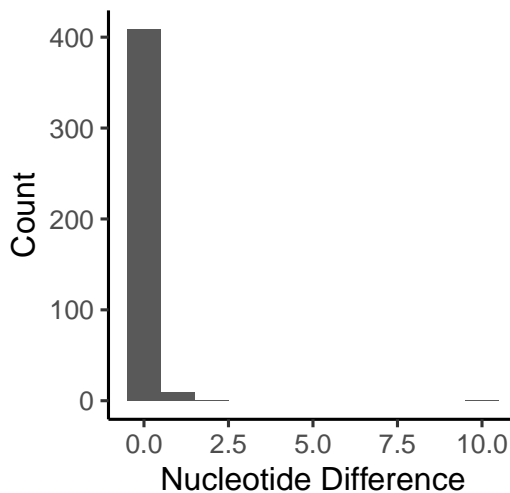
### TRBV5-8\*ap01

1852 sequences assigned  
1826 (98.6%) exact matches, in which:  
1811 unique CDR3  
13 unique J



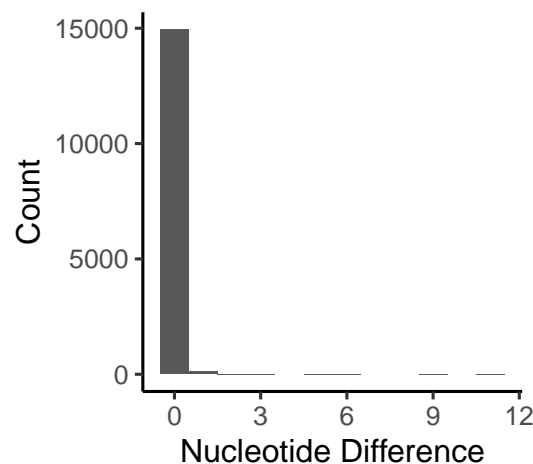
### TRBV6-7\*ap01

420 sequences assigned  
409 (97.4%) exact matches, in which:  
404 unique CDR3  
13 unique J



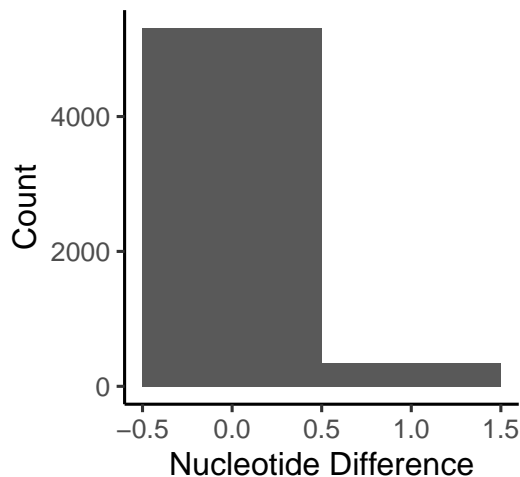
### TRBV6-23\*ap01

15086 sequences assigned  
14946 (99.1%) exact matches, in which:  
14708 unique CDR3  
13 unique J



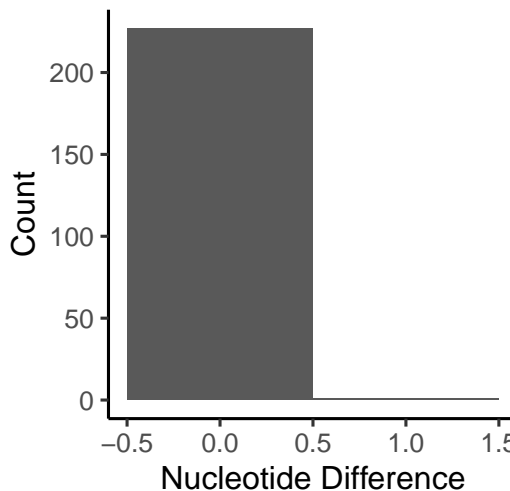
### TRBV6-1\*ap01

5654 sequences assigned  
5312 (94%) exact matches, in which:  
5233 unique CDR3  
13 unique J



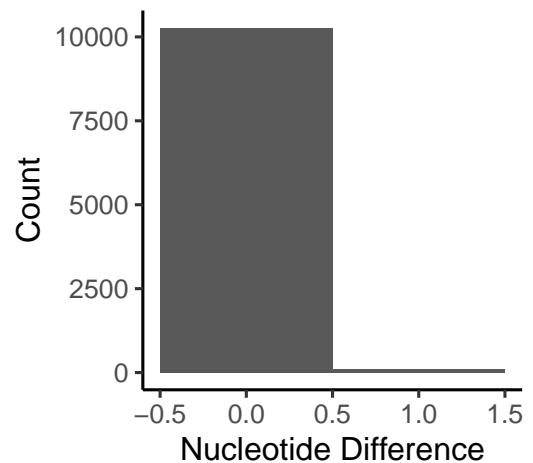
### TRBV6-8\*ap01

228 sequences assigned  
227 (99.6%) exact matches, in which:  
225 unique CDR3  
13 unique J



### TRBV6-56\*ap01

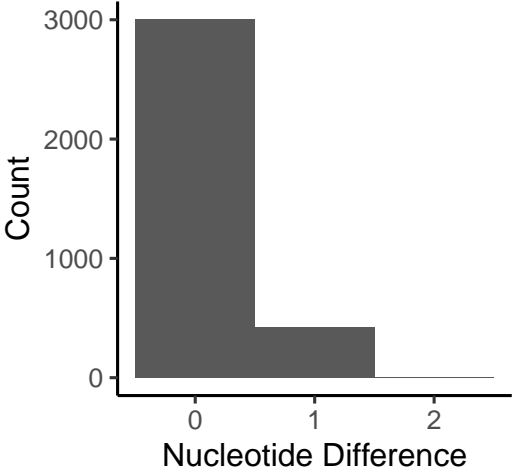
10365 sequences assigned  
10271 (99.1%) exact matches, in which:  
10081 unique CDR3  
13 unique J





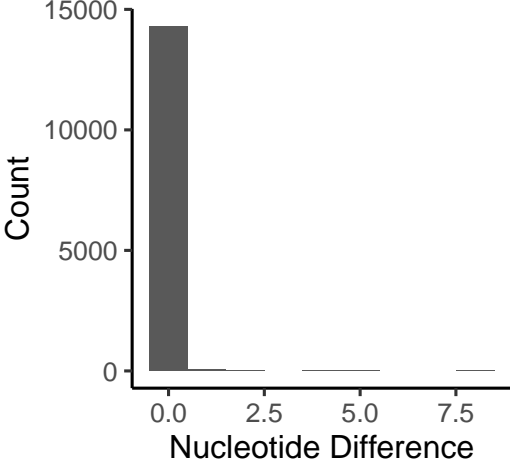
TRBV6-56\*ap02

3427 sequences assigned  
3003 (87.6%) exact matches, in which:  
2959 unique CDR3  
13 unique J



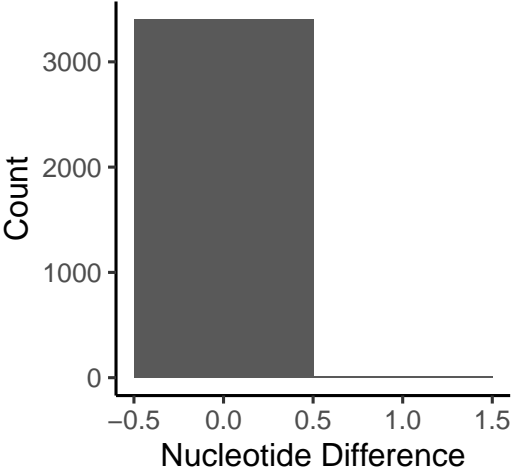
TRBV7-2\*ap01

14363 sequences assigned  
14304 (99.6%) exact matches, in which:  
14204 unique CDR3  
13 unique J



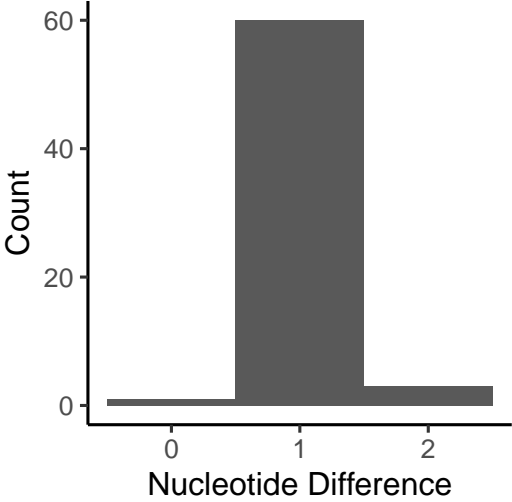
TRBV7-6\*ap01

3421 sequences assigned  
3403 (99.5%) exact matches, in which:  
3370 unique CDR3  
13 unique J



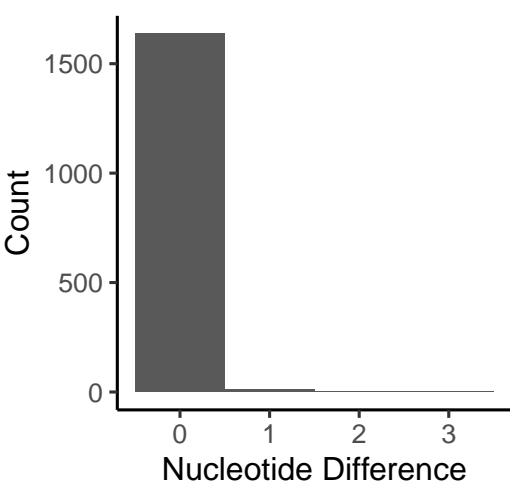
TRBV7-1\*ap01\_T296C

64 sequences assigned  
1 (1.6%) exact matches, in which:  
1 unique CDR3  
1 unique J



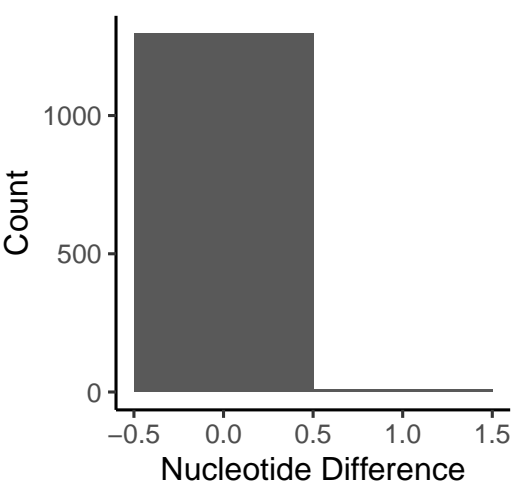
TRBV7-3\*ap02

1652 sequences assigned  
1637 (99.1%) exact matches, in which:  
1624 unique CDR3  
13 unique J



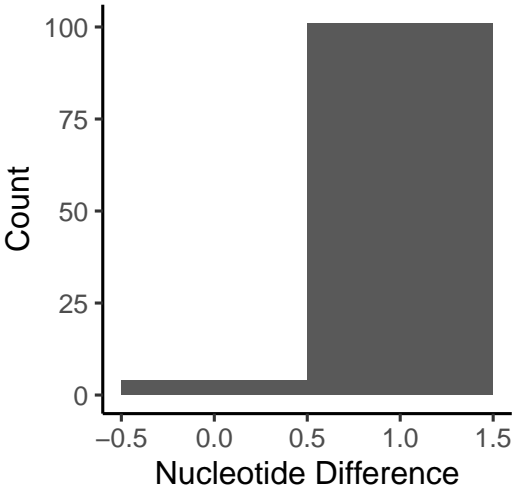
TRBV7-7\*ap01

1305 sequences assigned  
1296 (99.3%) exact matches, in which:  
1285 unique CDR3  
13 unique J



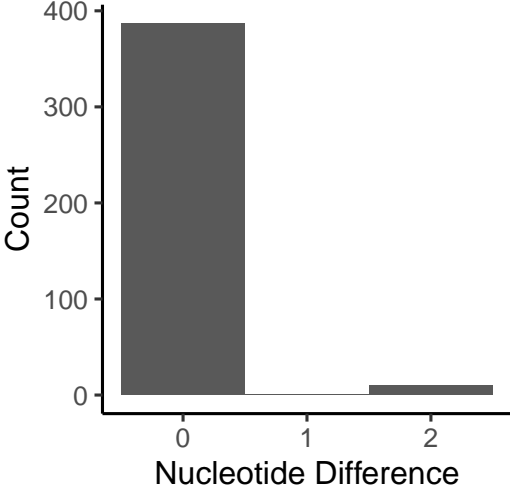
TRBV7-1\*ap01\_T296C\_(

105 sequences assigned  
4 (3.8%) exact matches, in which:  
4 unique CDR3  
3 unique J



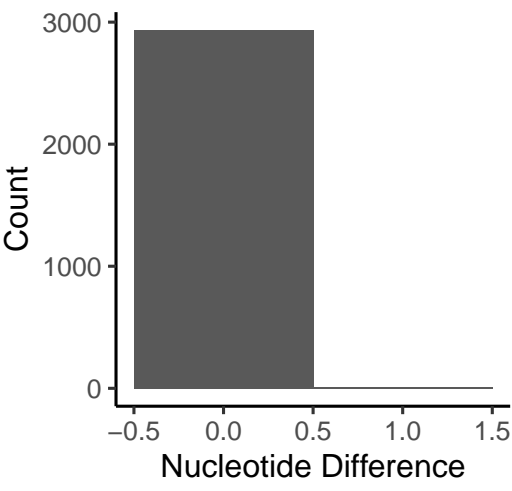
TRBV7-4\*ap01

398 sequences assigned  
387 (97.2%) exact matches, in which:  
382 unique CDR3  
13 unique J



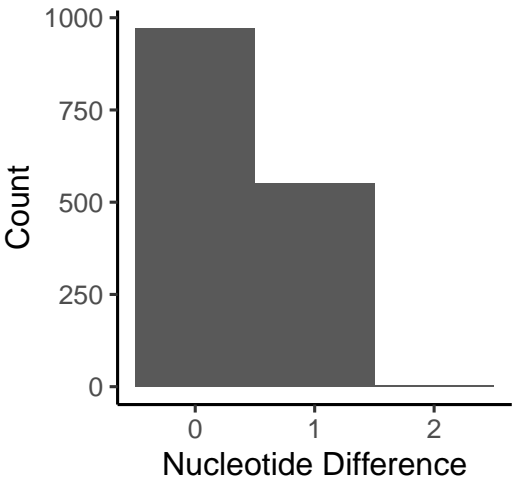
TRBV7-8\*ap01

2947 sequences assigned  
2935 (99.6%) exact matches, in which:  
2904 unique CDR3  
13 unique J



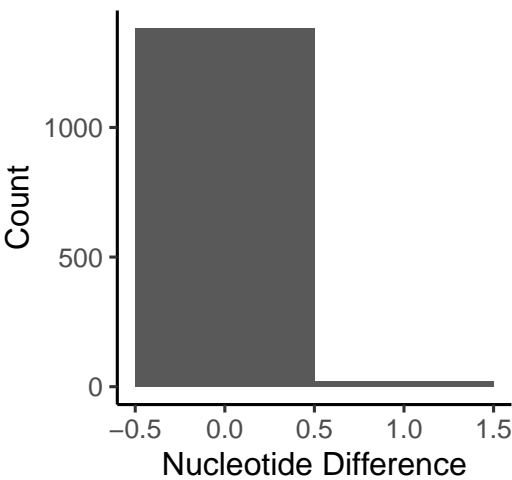
TRBV7-8\*ap03

1525 sequences assigned  
971 (63.7%) exact matches, in which:  
959 unique CDR3  
13 unique J



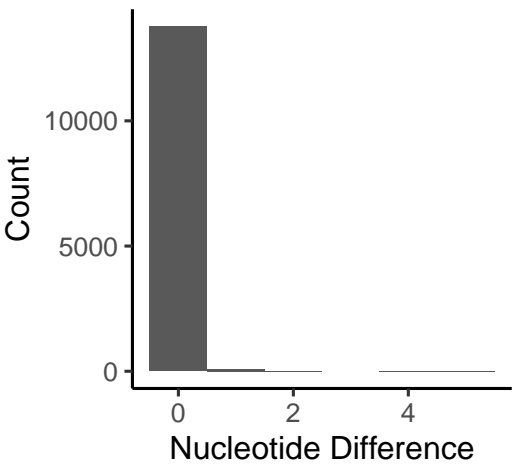
TRBV29-1\*ap02

1404 sequences assigned  
1382 (98.4%) exact matches, in which:  
1350 unique CDR3  
13 unique J



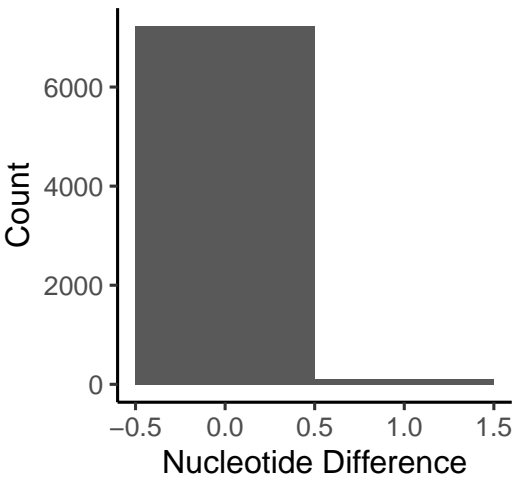
TRBV7-9\*ap01

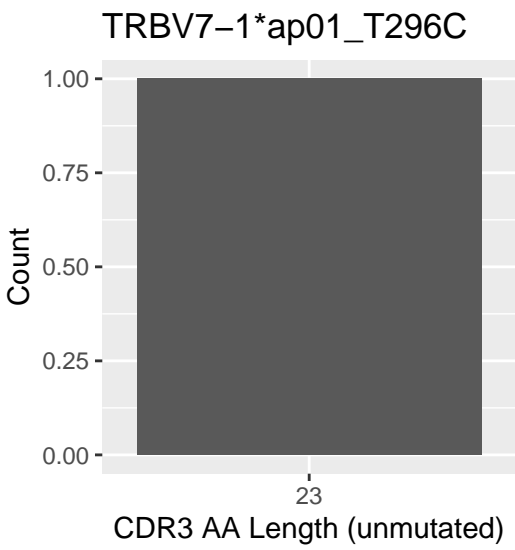
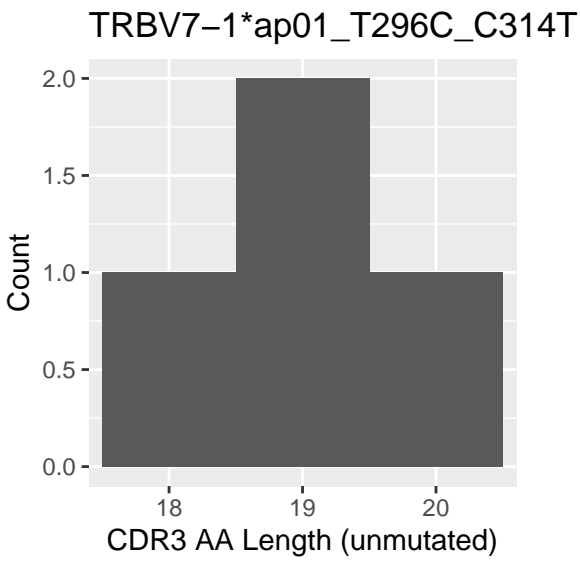
13859 sequences assigned  
13769 (99.4%) exact matches, in which:  
13684 unique CDR3  
13 unique J



TRBV29-1\*ap01

7340 sequences assigned  
7231 (98.5%) exact matches, in which:  
7080 unique CDR3  
14 unique J







[illegible]