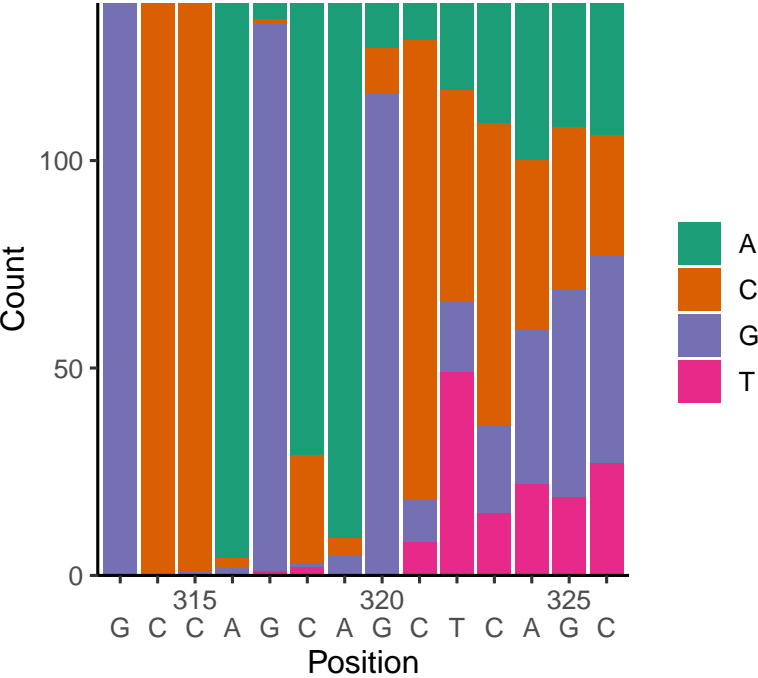
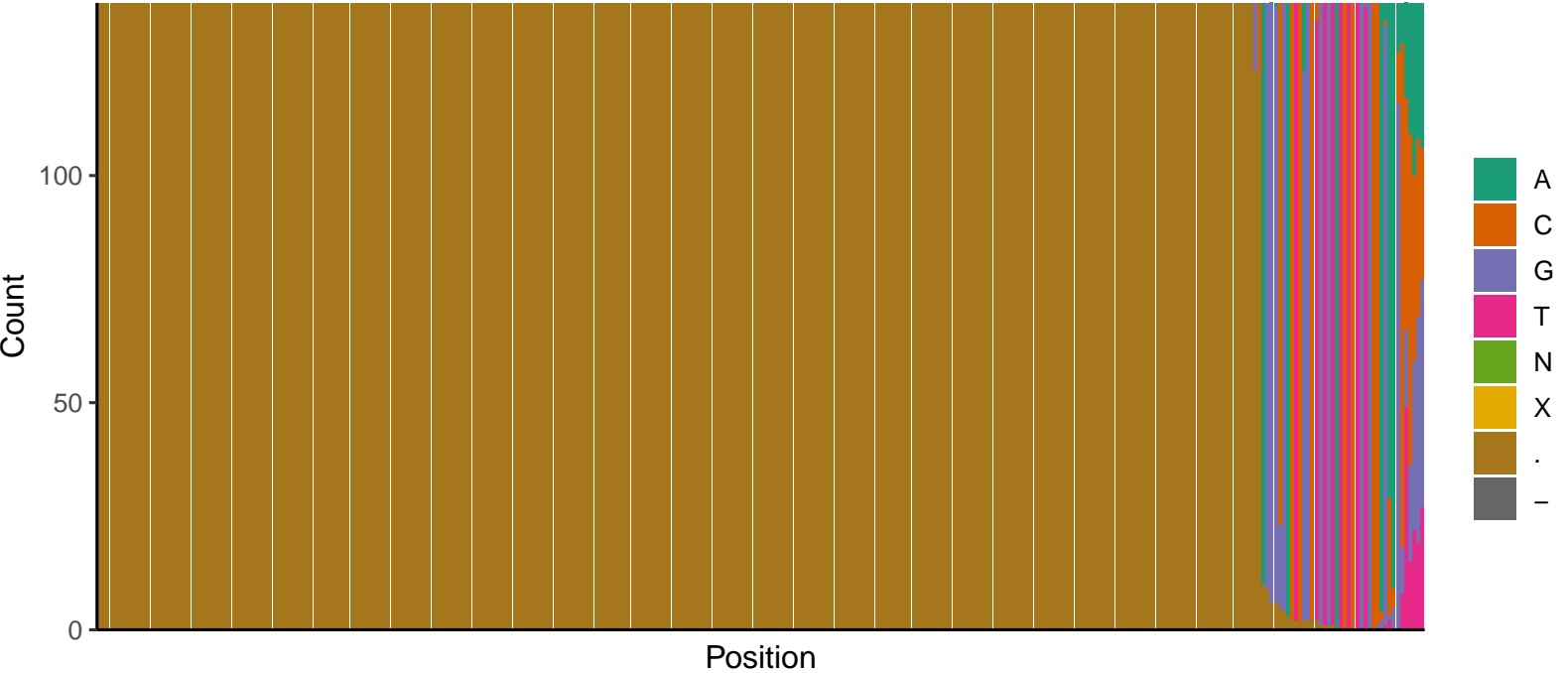


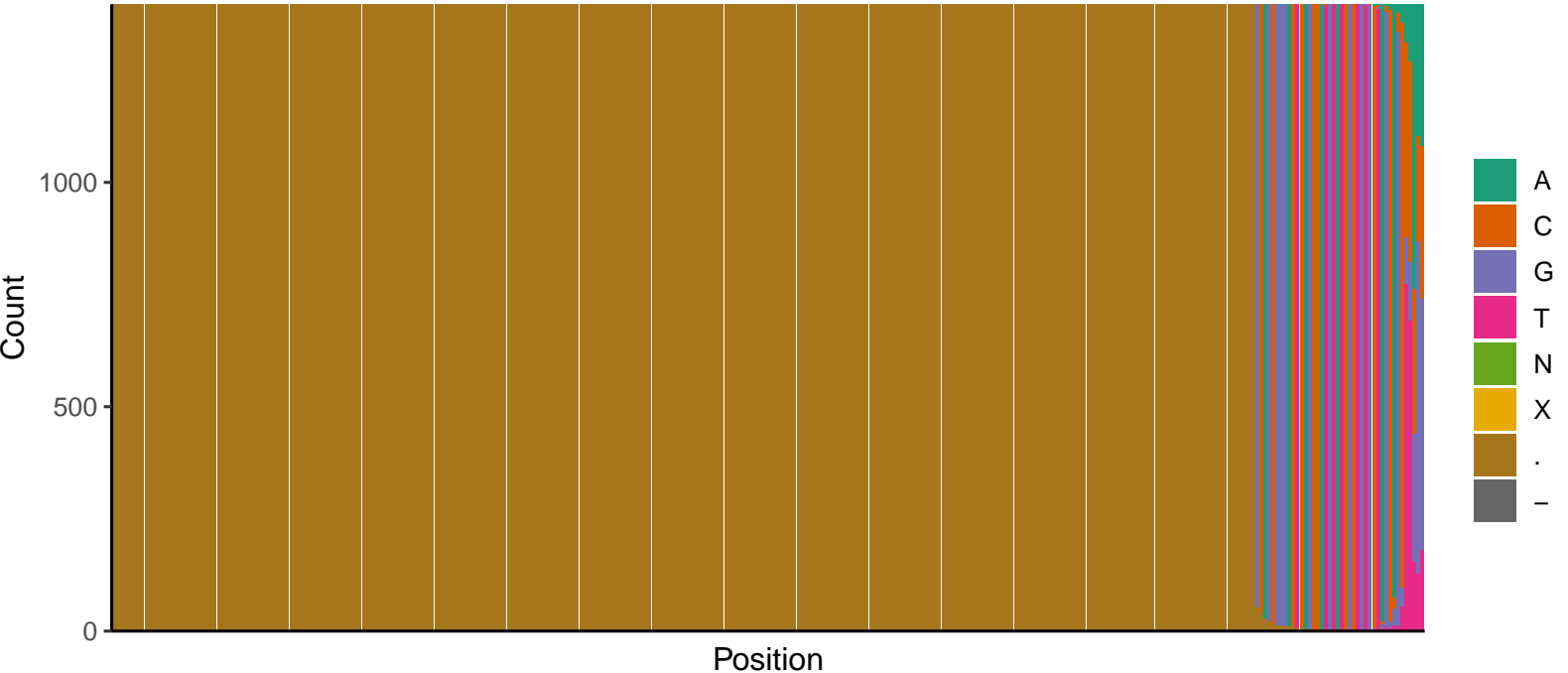
Gene TRBV7-1\*ap01\_T296C



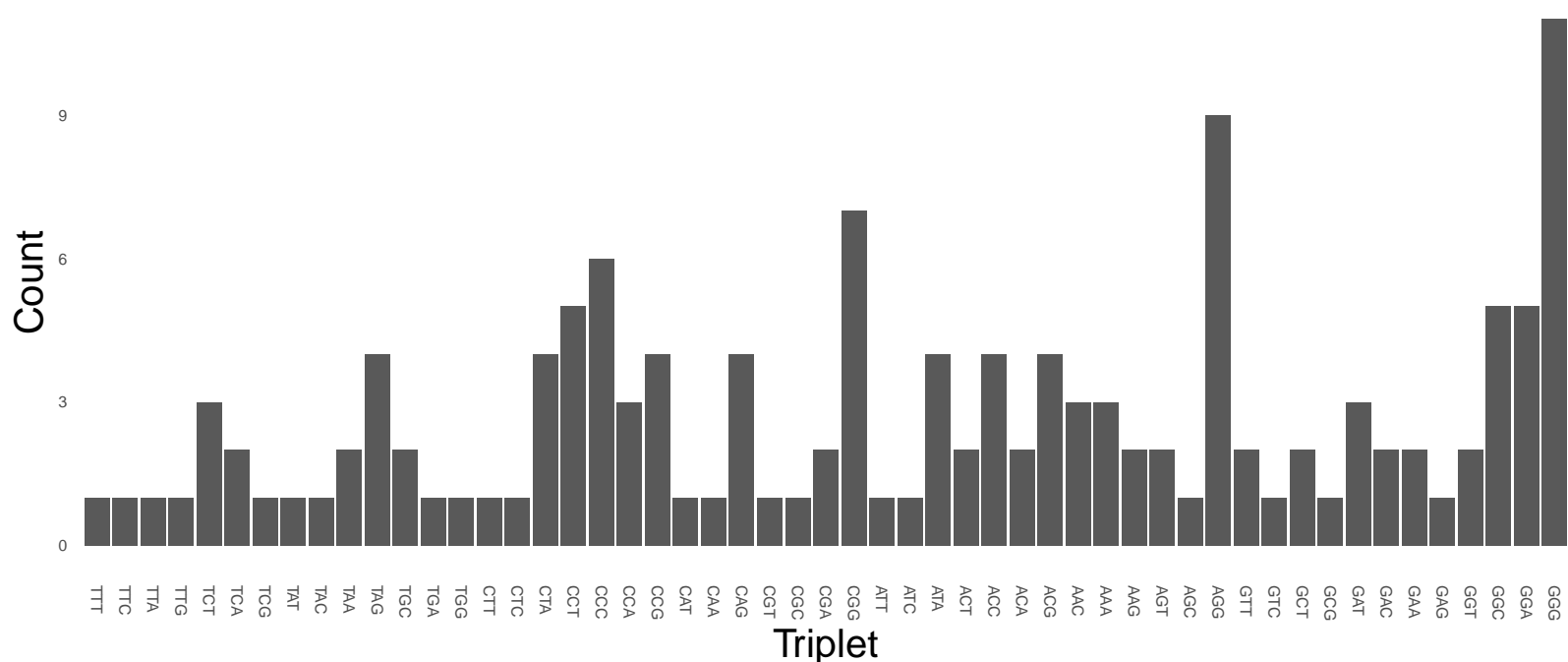
Gene TRBV7-1\*ap01\_T296C



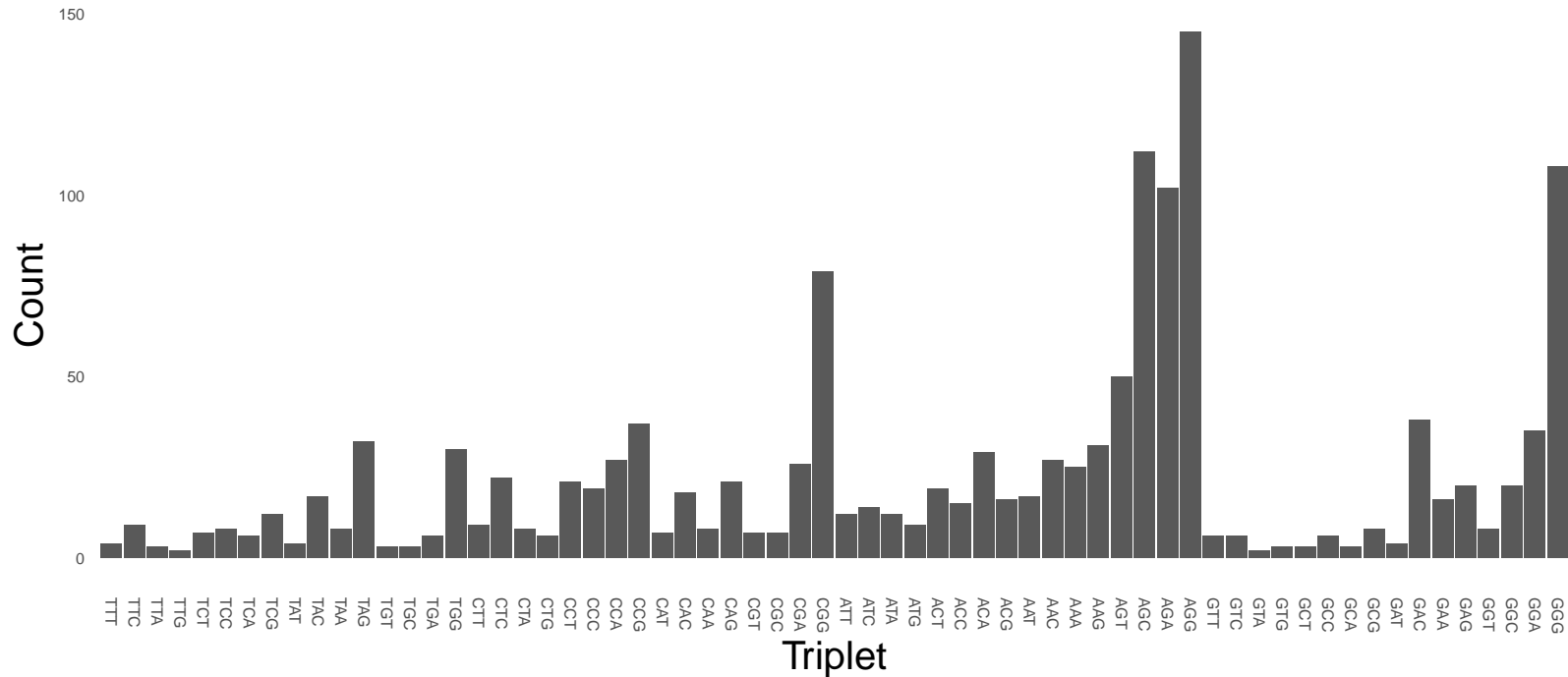
Gene TRBV7-7\*ap01\_C315T



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

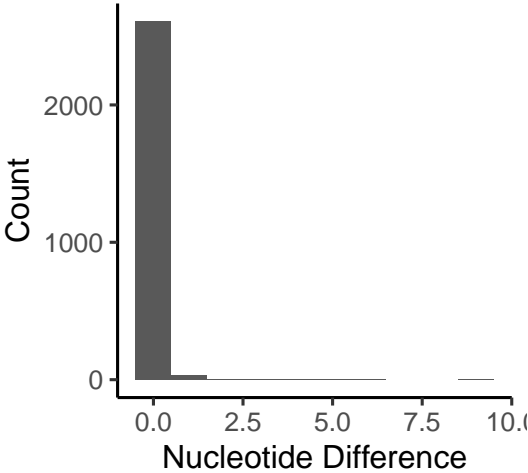


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



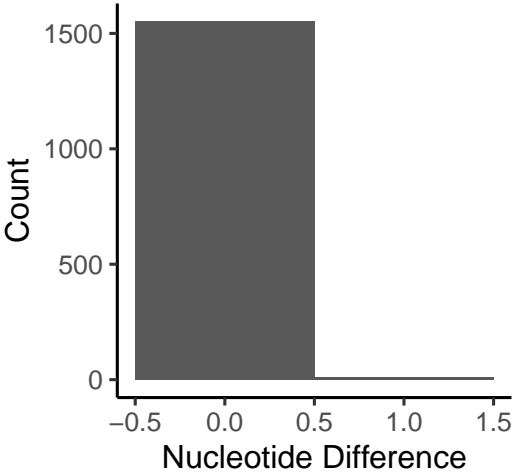
TRBV10-1\*ap01

2649 sequences assigned  
2608 (98.5%) exact matches, in which:  
2591 unique CDR3  
13 unique J



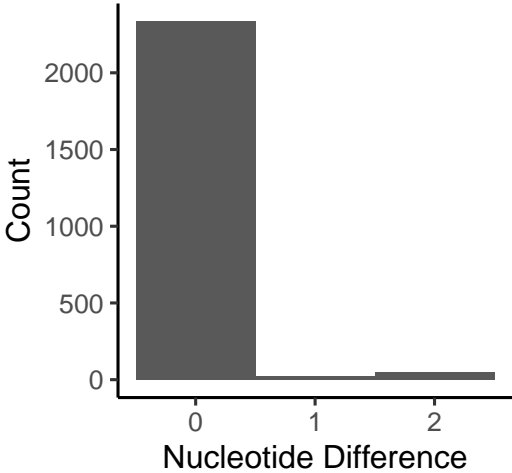
TRBV10-2\*ap01

1562 sequences assigned  
1552 (99.4%) exact matches, in which:  
1543 unique CDR3  
13 unique J



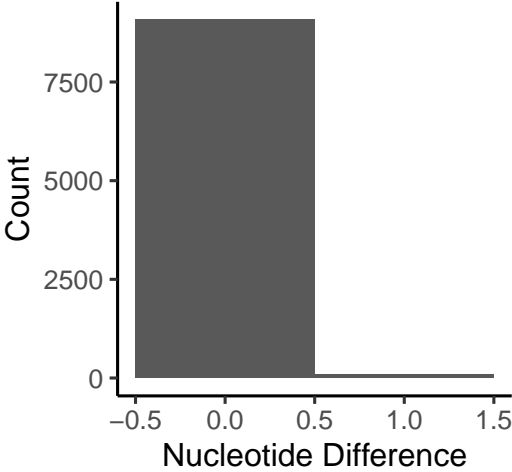
TRBV13\*ap01

2408 sequences assigned  
2335 (97%) exact matches, in which:  
2322 unique CDR3  
13 unique J



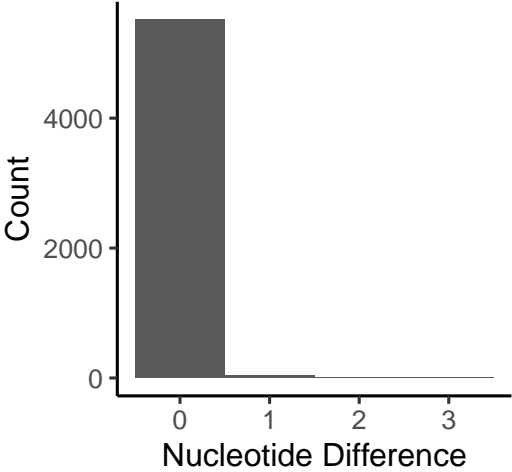
TRBV20-1\*ap01

9155 sequences assigned  
9078 (99.2%) exact matches, in which:  
9042 unique CDR3  
13 unique J



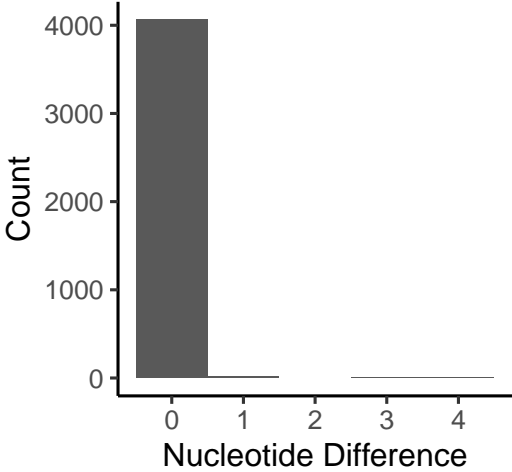
TRBV10-3\*ap01

5566 sequences assigned  
5515 (99.1%) exact matches, in which:  
5482 unique CDR3  
13 unique J



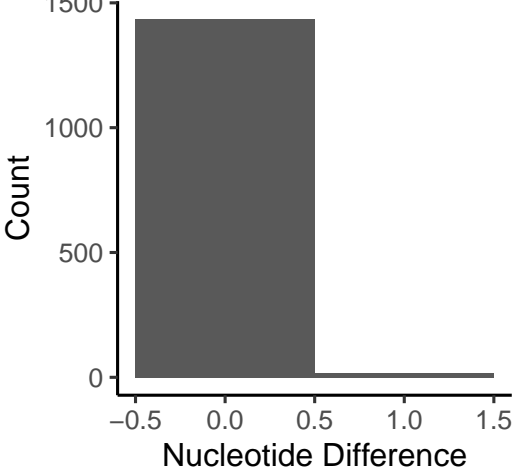
TRBV14\*ap01

4087 sequences assigned  
4063 (99.4%) exact matches, in which:  
4051 unique CDR3  
13 unique J



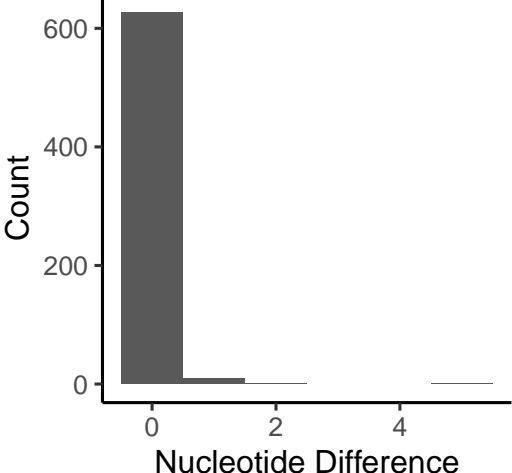
TRBV20-1\*ap02

1452 sequences assigned  
1435 (98.8%) exact matches, in which:  
1431 unique CDR3  
13 unique J



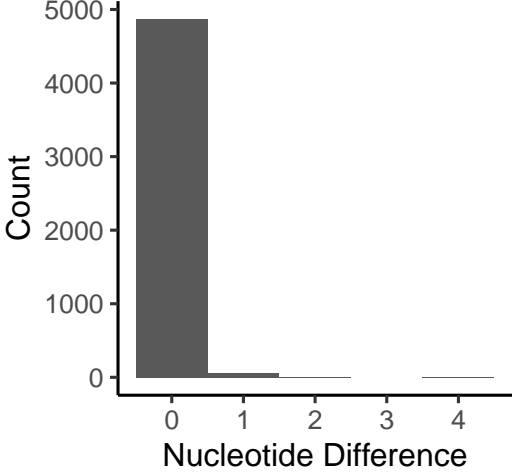
TRBV1\*ap01

638 sequences assigned  
627 (98.3%) exact matches, in which:  
617 unique CDR3  
13 unique J



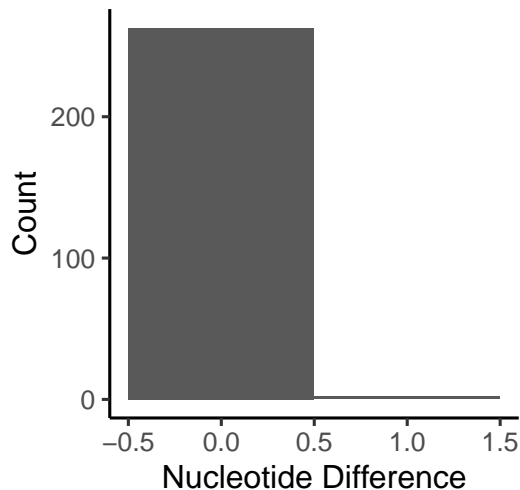
TRBV15\*ap02

4933 sequences assigned  
4870 (98.7%) exact matches, in which:  
4849 unique CDR3  
13 unique J



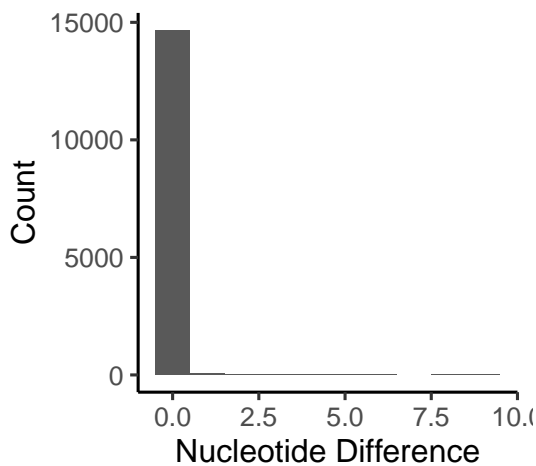
### TRBV16\*ap01

265 sequences assigned  
263 (99.2%) exact matches, in which:  
263 unique CDR3  
13 unique J



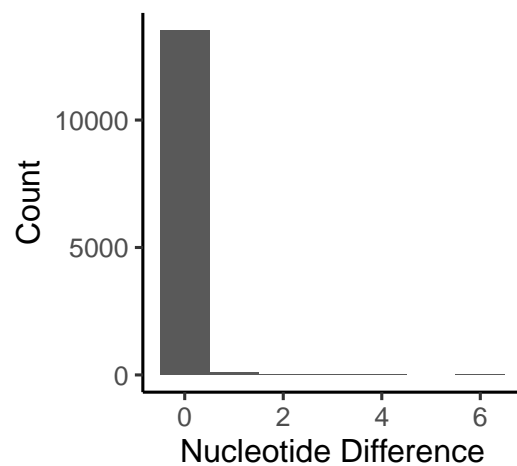
### TRBV19\*ap01

14767 sequences assigned  
14668 (99.3%) exact matches, in which:  
14646 unique CDR3  
13 unique J



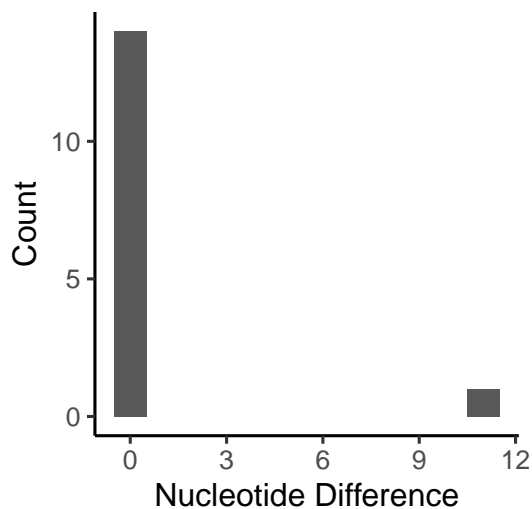
### TRBV28\*ap01

13624 sequences assigned  
13527 (99.3%) exact matches, in which:  
13491 unique CDR3  
13 unique J



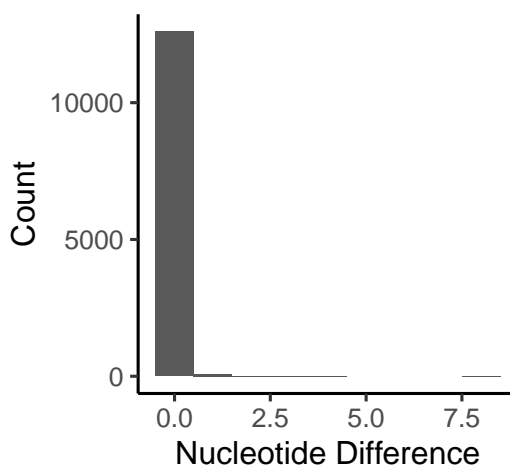
### TRBV17\*ap01

15 sequences assigned  
14 (93.3%) exact matches, in which:  
14 unique CDR3  
8 unique J



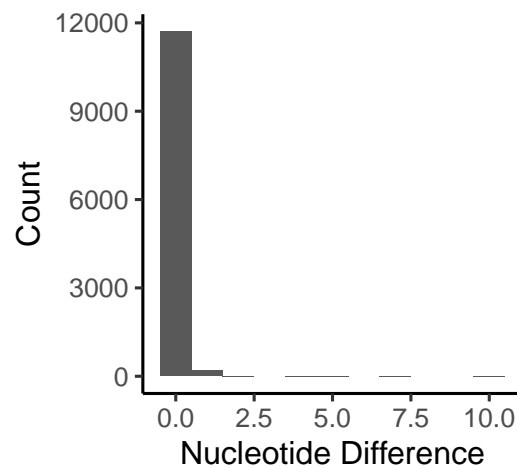
### TRBV2\*ap01

12696 sequences assigned  
12603 (99.3%) exact matches, in which:  
12538 unique CDR3  
13 unique J



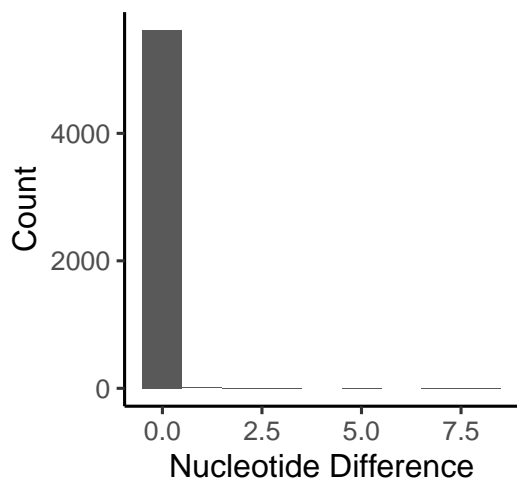
### TRBV30\*ap02

11915 sequences assigned  
11708 (98.3%) exact matches, in which:  
11622 unique CDR3  
13 unique J



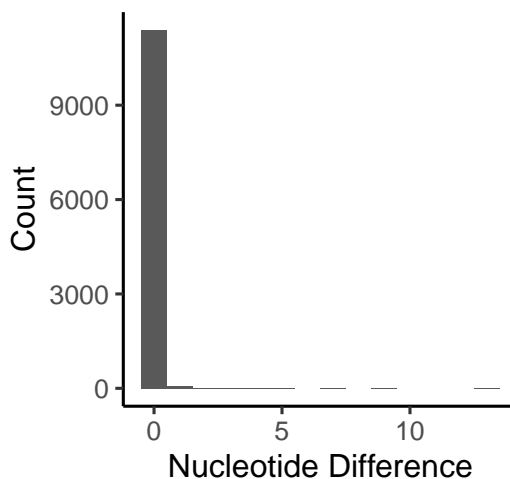
### TRBV18\*ap01

5644 sequences assigned  
5621 (99.6%) exact matches, in which:  
5605 unique CDR3  
13 unique J



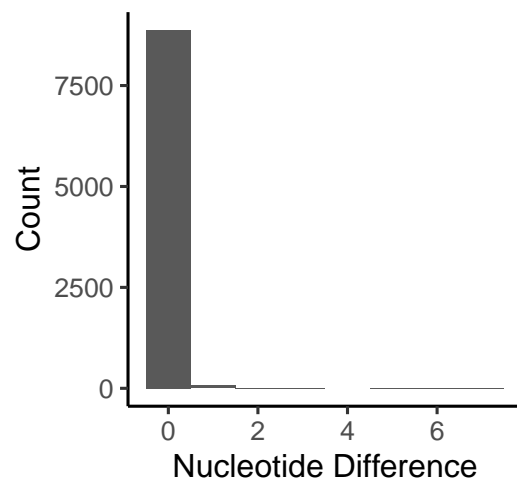
### TRBV27\*ap01

11492 sequences assigned  
11389 (99.1%) exact matches, in which:  
11345 unique CDR3  
13 unique J



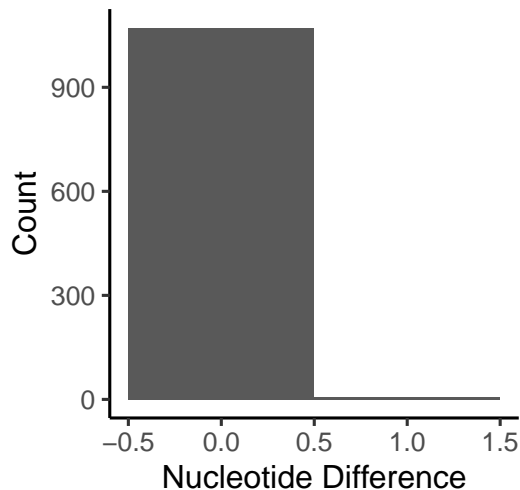
### TRBV9\*ap01

8953 sequences assigned  
8875 (99.1%) exact matches, in which:  
8850 unique CDR3  
13 unique J



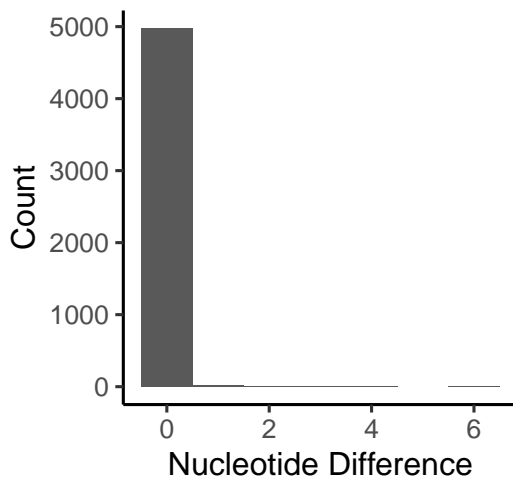
### TRBV11-1\*ap01

1078 sequences assigned  
1072 (99.4%) exact matches, in which:  
1070 unique CDR3  
13 unique J



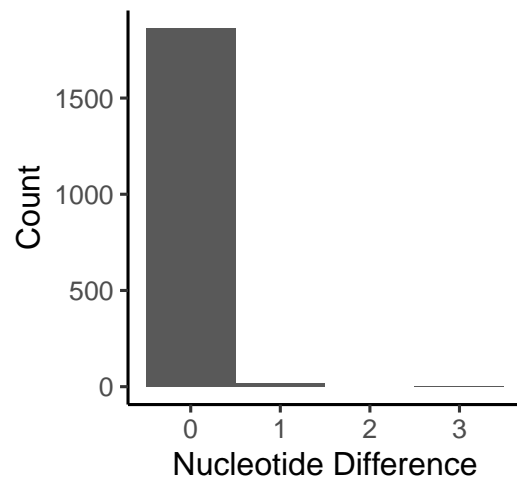
### TRBV11-3\*ap01

5006 sequences assigned  
4975 (99.4%) exact matches, in which:  
4963 unique CDR3  
13 unique J



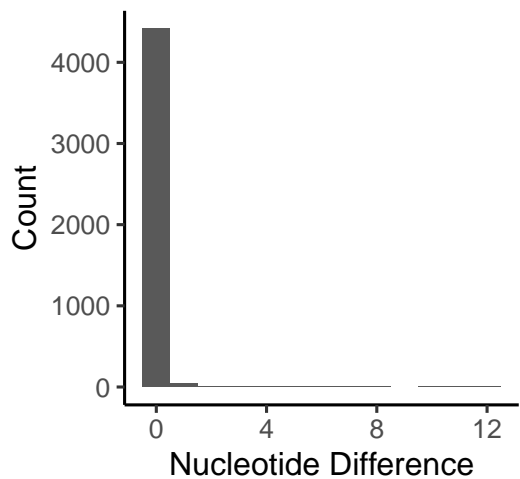
### TRBV12-5\*ap01

1881 sequences assigned  
1862 (99%) exact matches, in which:  
1854 unique CDR3  
13 unique J



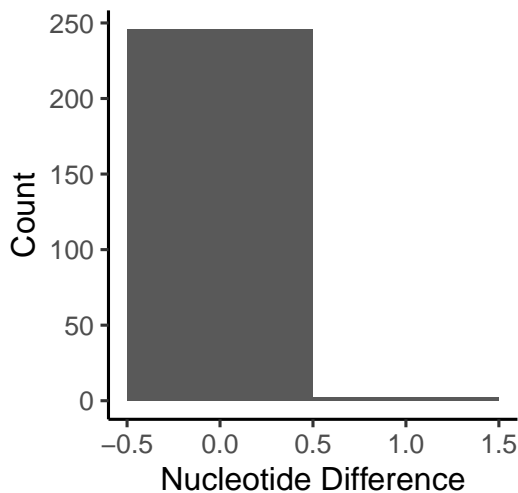
### TRBV21-1\*ap01

4480 sequences assigned  
4414 (98.5%) exact matches, in which:  
4394 unique CDR3  
13 unique J



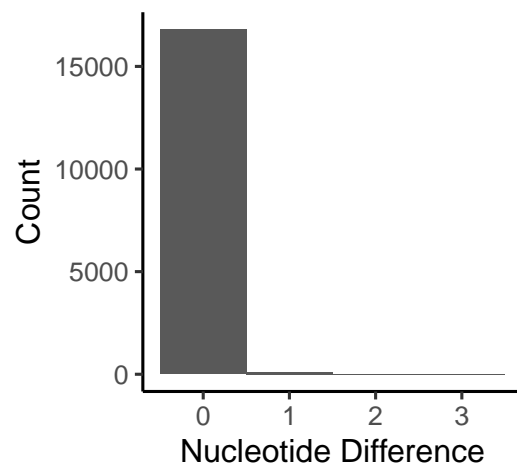
### TRBV12-1\*ap01

248 sequences assigned  
246 (99.2%) exact matches, in which:  
245 unique CDR3  
13 unique J



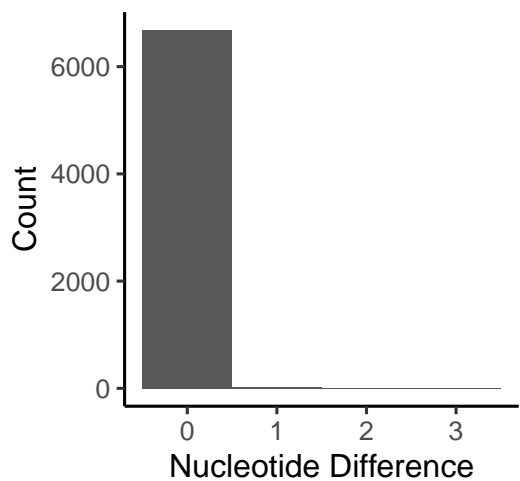
### TRBV12-34\*ap01

16911 sequences assigned  
16800 (99.3%) exact matches, in which:  
16729 unique CDR3  
13 unique J



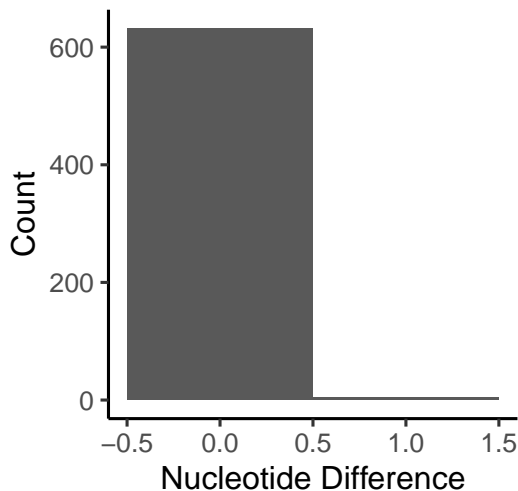
### TRBV11-2\*ap01

6712 sequences assigned  
6683 (99.6%) exact matches, in which:  
6659 unique CDR3  
13 unique J



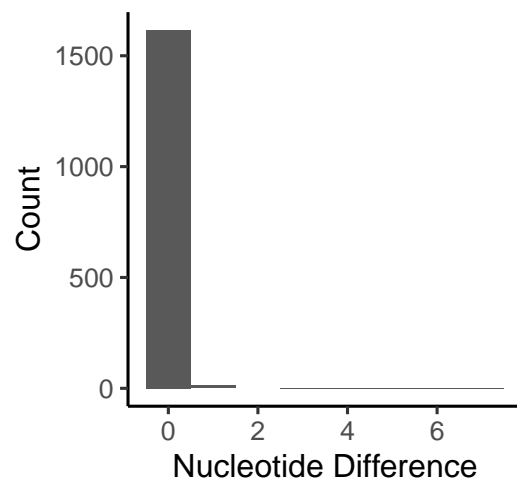
### TRBV12-2\*ap01

637 sequences assigned  
632 (99.2%) exact matches, in which:  
627 unique CDR3  
13 unique J



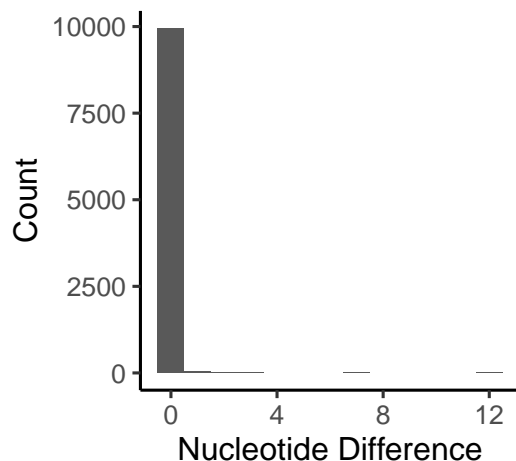
### TRBV23-1\*ap01

1634 sequences assigned  
1616 (98.9%) exact matches, in which:  
1605 unique CDR3  
13 unique J



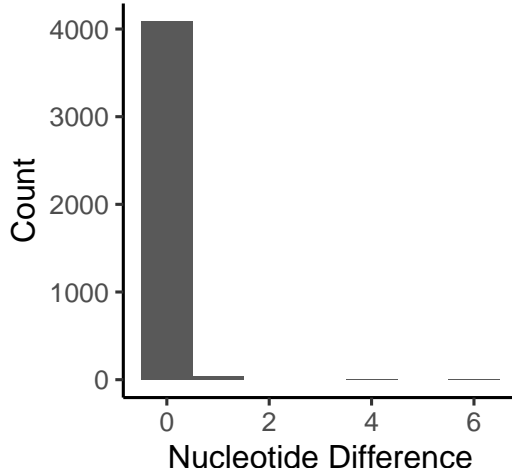
### TRBV3–12\*ap01

10011 sequences assigned  
9954 (99.4%) exact matches, in which:  
9935 unique CDR3  
13 unique J



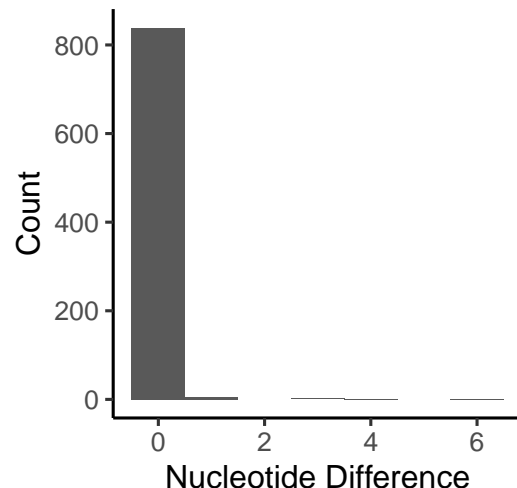
### TRBV4–2\*ap01

4134 sequences assigned  
4087 (98.9%) exact matches, in which:  
4074 unique CDR3  
13 unique J



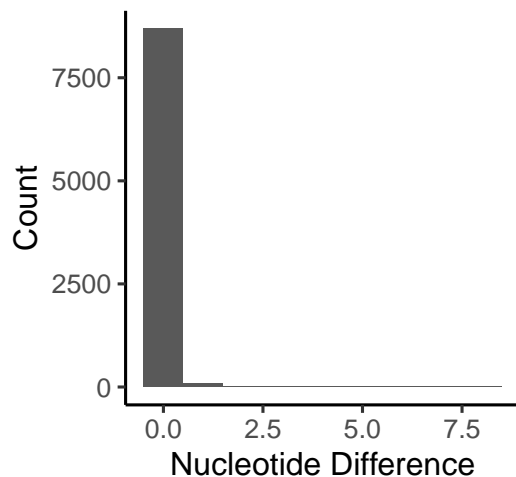
### TRBV5–3\*ap01

849 sequences assigned  
839 (98.8%) exact matches, in which:  
831 unique CDR3  
13 unique J



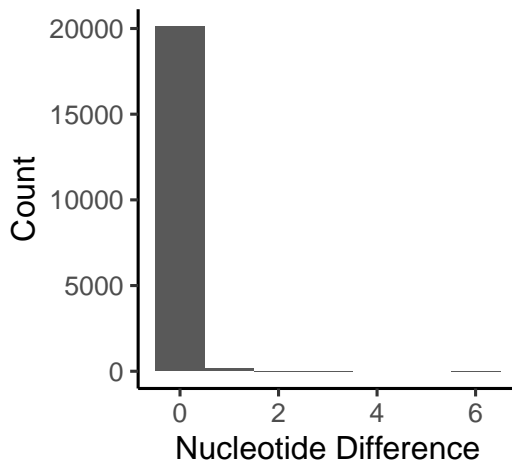
### TRBV24–1\*ap01

8807 sequences assigned  
8689 (98.7%) exact matches, in which:  
8642 unique CDR3  
13 unique J



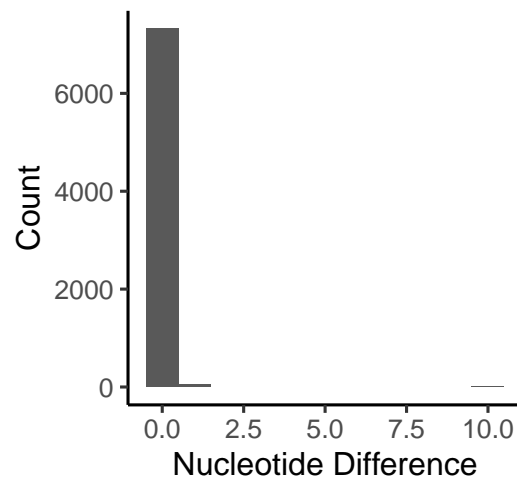
### TRBV5–1\*ap01

20294 sequences assigned  
20118 (99.1%) exact matches, in which:  
20030 unique CDR3  
13 unique J



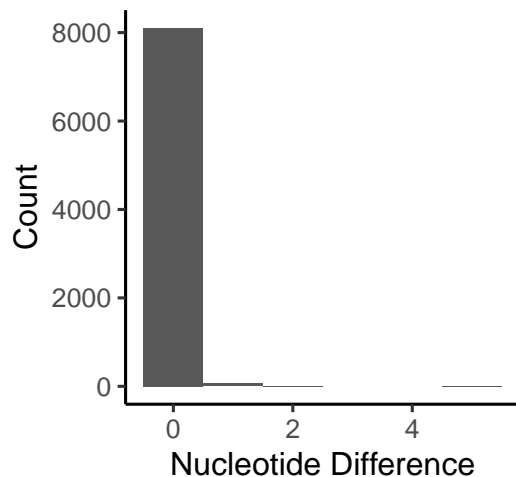
### TRBV5–4\*ap01

7379 sequences assigned  
7321 (99.2%) exact matches, in which:  
7291 unique CDR3  
13 unique J



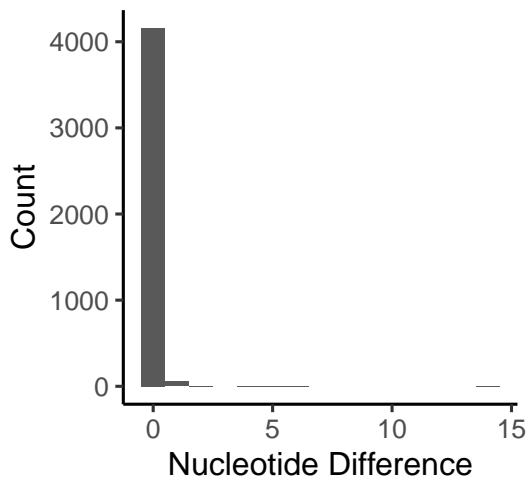
### TRBV4–1\*ap01

8168 sequences assigned  
8103 (99.2%) exact matches, in which:  
8069 unique CDR3  
13 unique J



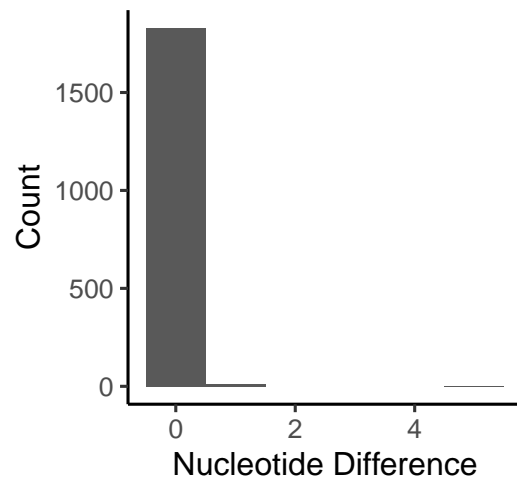
### TRBV25–1\*ap01

4223 sequences assigned  
4159 (98.5%) exact matches, in which:  
4128 unique CDR3  
13 unique J



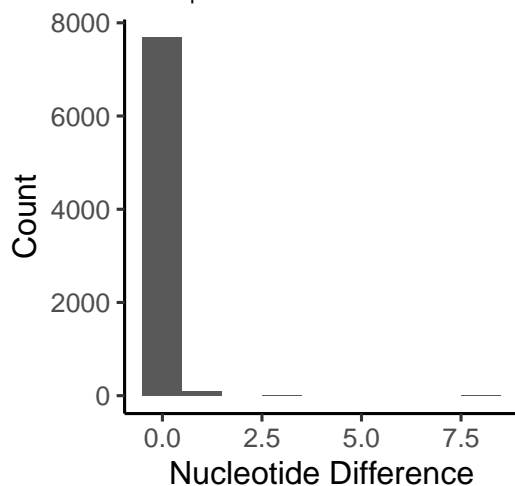
### TRBV5–5\*ap01

1841 sequences assigned  
1829 (99.3%) exact matches, in which:  
1826 unique CDR3  
13 unique J



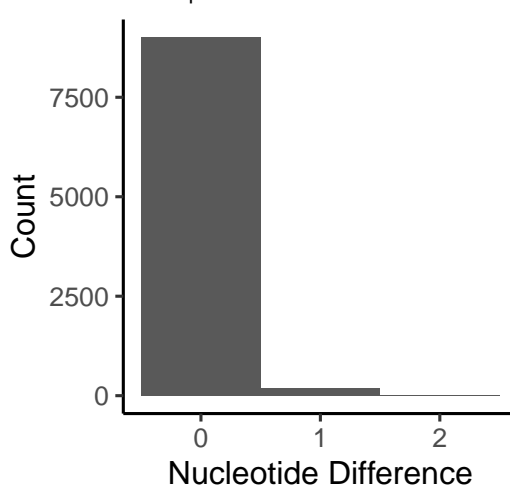
### TRBV5-6\*ap01

7786 sequences assigned  
7687 (98.7%) exact matches, in which:  
7612 unique CDR3  
13 unique J



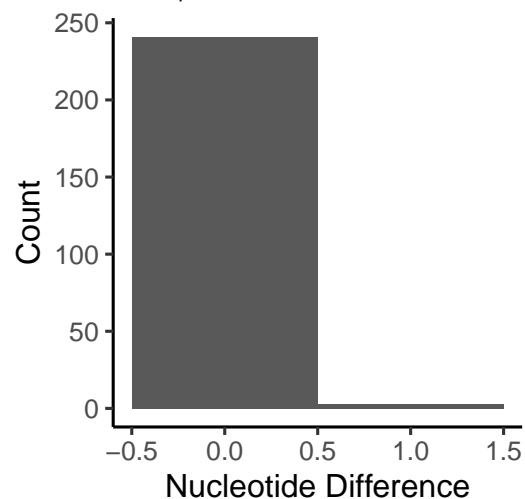
### TRBV6-1\*ap01

9198 sequences assigned  
9005 (97.9%) exact matches, in which:  
8933 unique CDR3  
13 unique J



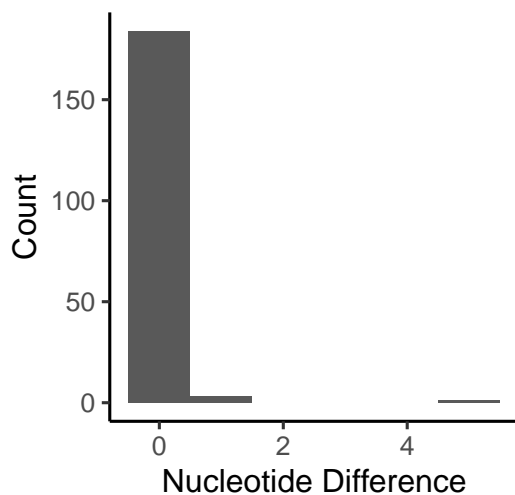
### TRBV6-8\*ap01

244 sequences assigned  
241 (98.8%) exact matches, in which:  
240 unique CDR3  
13 unique J



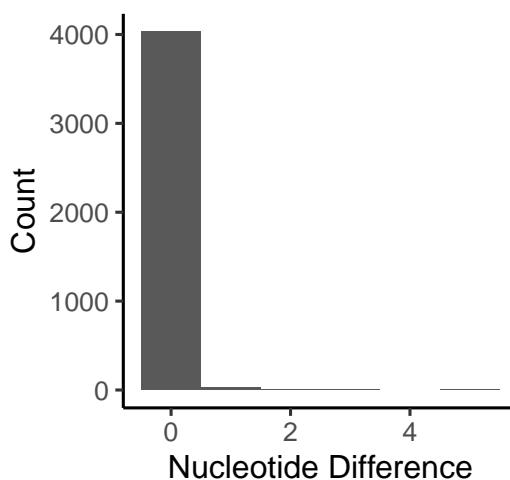
### TRBV5-7\*ap01

188 sequences assigned  
184 (97.9%) exact matches, in which:  
183 unique CDR3  
13 unique J



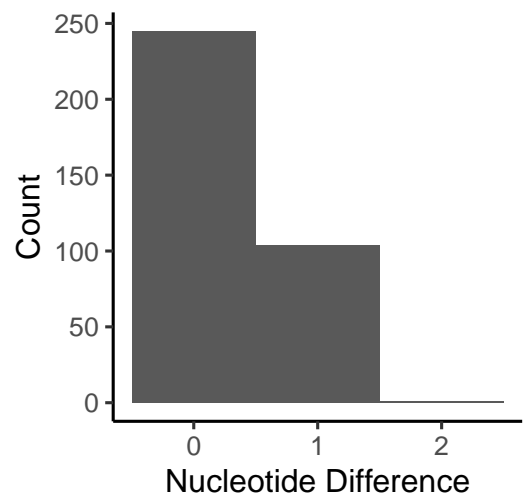
### TRBV6-4\*ap01

4065 sequences assigned  
4031 (99.2%) exact matches, in which:  
4006 unique CDR3  
13 unique J



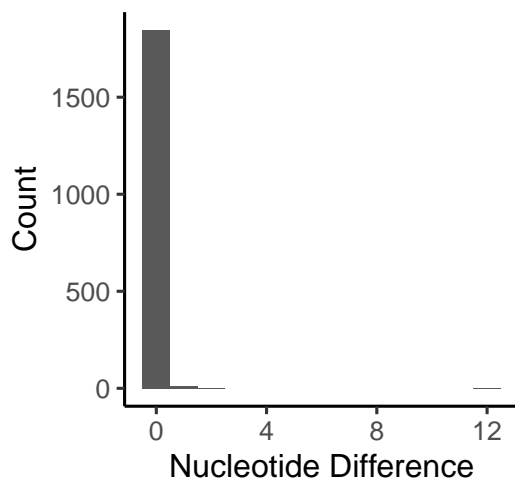
### TRBV6-9\*ap01

350 sequences assigned  
245 (70%) exact matches, in which:  
241 unique CDR3  
13 unique J



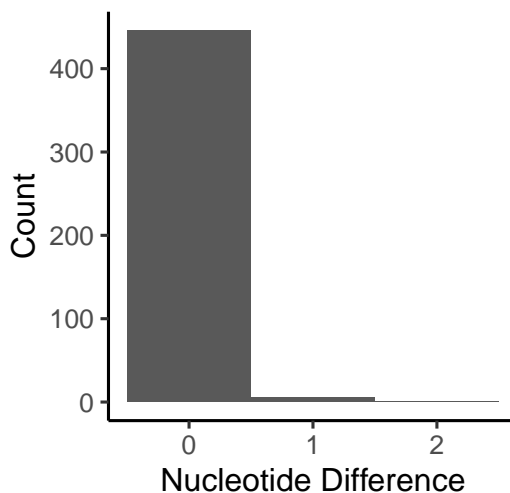
### TRBV5-8\*ap01

1860 sequences assigned  
1846 (99.2%) exact matches, in which:  
1838 unique CDR3  
13 unique J



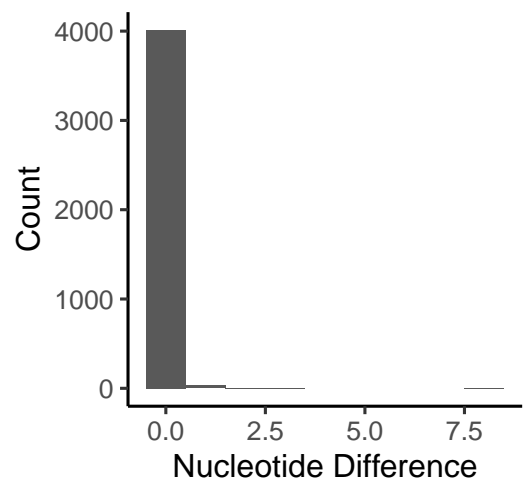
### TRBV6-7\*ap01

452 sequences assigned  
446 (98.7%) exact matches, in which:  
441 unique CDR3  
13 unique J



### TRBV6-23\*ap01

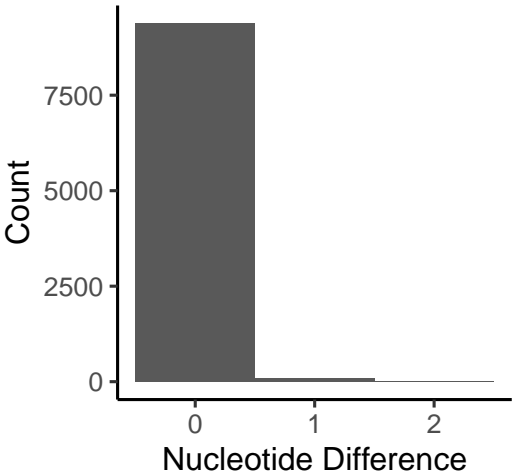
4048 sequences assigned  
4012 (99.1%) exact matches, in which:  
3973 unique CDR3  
13 unique J





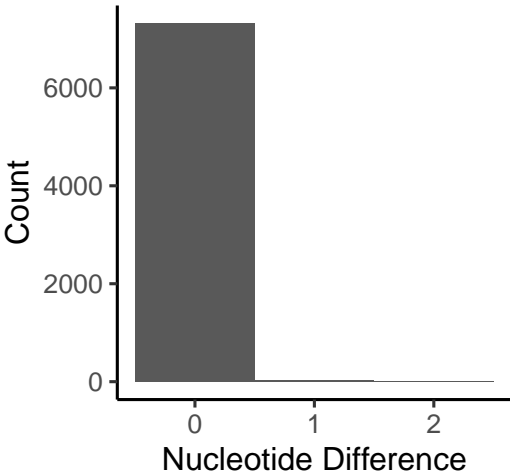
TRBV6-56\*ap01

9462 sequences assigned  
9379 (99.1%) exact matches, in which:  
9318 unique CDR3  
13 unique J



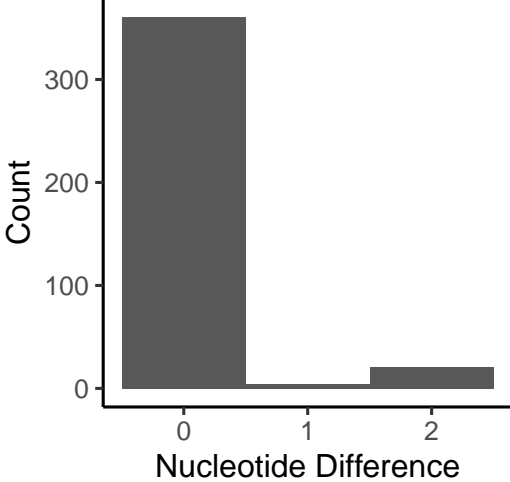
TRBV7-2\*ap01

7346 sequences assigned  
7316 (99.6%) exact matches, in which:  
7296 unique CDR3  
13 unique J



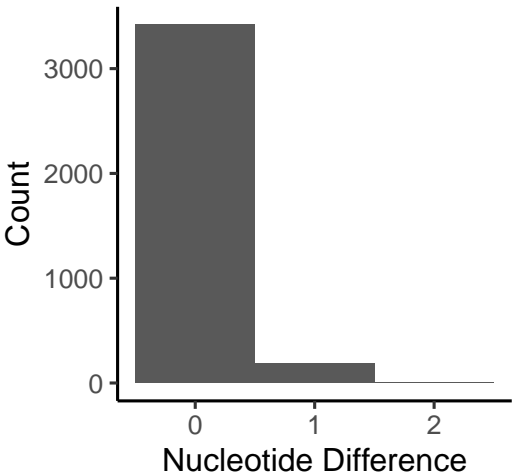
TRBV7-4\*ap01

386 sequences assigned  
361 (93.5%) exact matches, in which:  
359 unique CDR3  
13 unique J



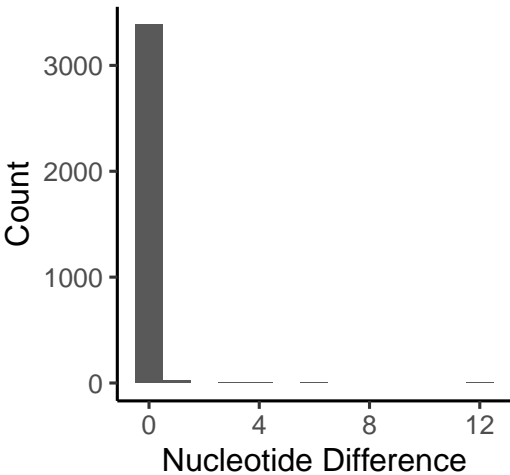
TRBV6-56\*ap02

3604 sequences assigned  
3419 (94.9%) exact matches, in which:  
3393 unique CDR3  
13 unique J



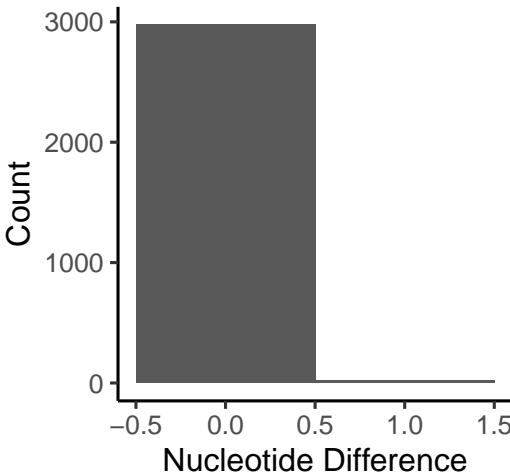
TRBV7-3\*ap01

3412 sequences assigned  
3384 (99.2%) exact matches, in which:  
3371 unique CDR3  
13 unique J



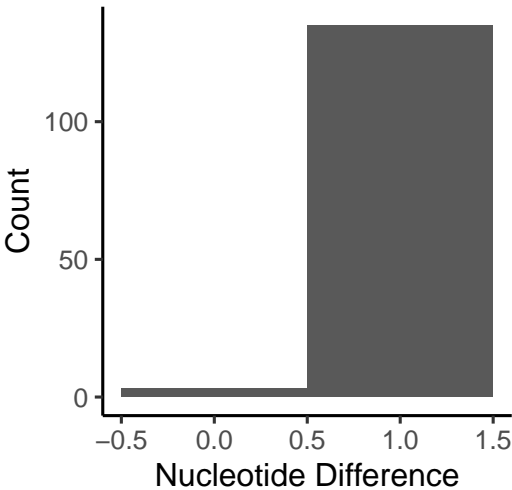
TRBV7-6\*ap01

2995 sequences assigned  
2976 (99.4%) exact matches, in which:  
2968 unique CDR3  
13 unique J



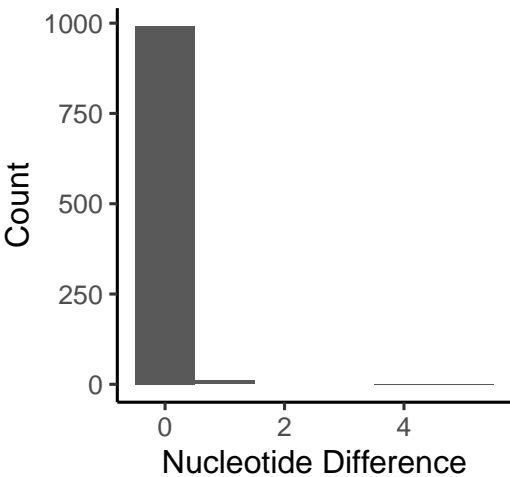
TRBV7-1\*ap01\_T296C

138 sequences assigned  
3 (2.2%) exact matches, in which:  
3 unique CDR3  
3 unique J



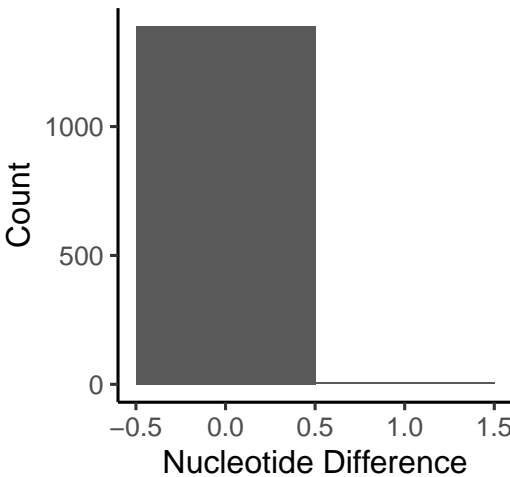
TRBV7-3\*ap03

1005 sequences assigned  
992 (98.7%) exact matches, in which:  
981 unique CDR3  
13 unique J



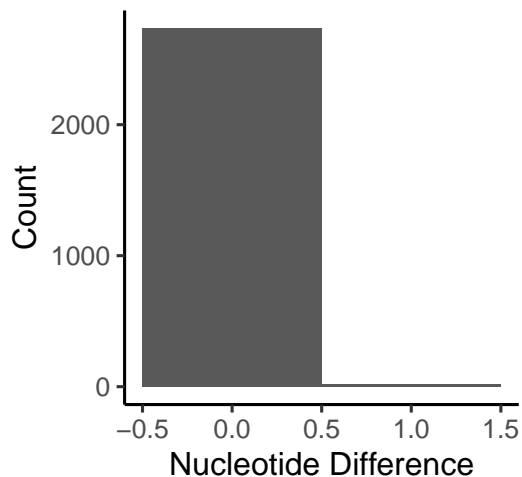
TRBV7-7\*ap01\_C315T

1397 sequences assigned  
1390 (99.5%) exact matches, in which:  
1385 unique CDR3  
13 unique J



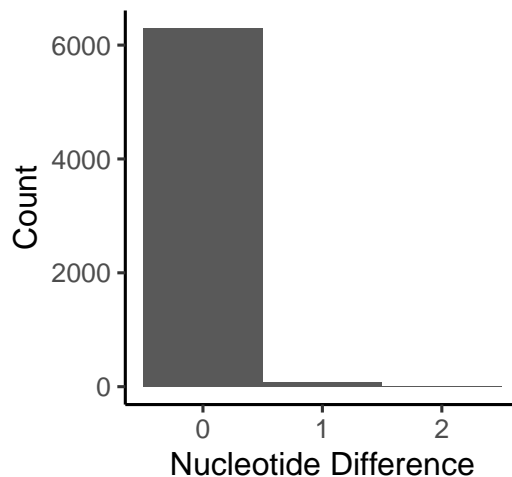
### TRBV7-8\*ap01

2755 sequences assigned  
2735 (99.3%) exact matches, in which:  
2730 unique CDR3  
13 unique J



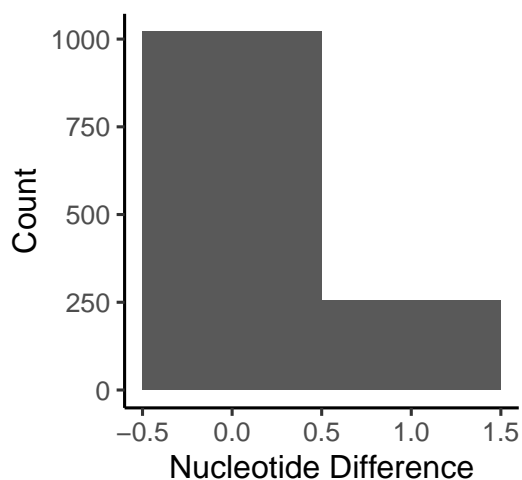
### TRBV29-1\*ap01

6381 sequences assigned  
6293 (98.6%) exact matches, in which:  
6254 unique CDR3  
13 unique J



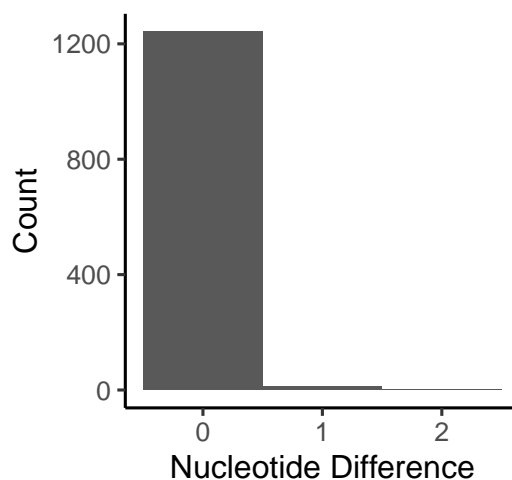
### TRBV7-8\*ap03

1277 sequences assigned  
1021 (80%) exact matches, in which:  
1015 unique CDR3  
13 unique J



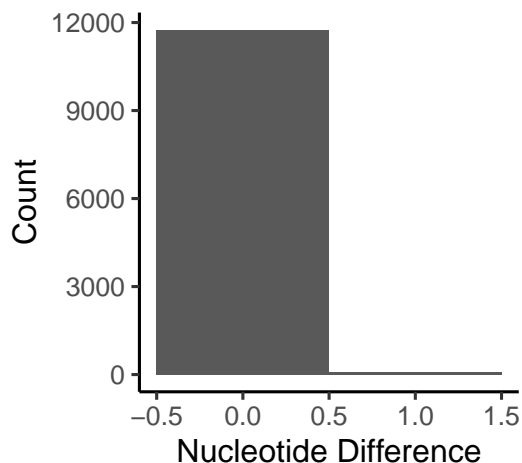
### TRBV29-1\*ap02

1255 sequences assigned  
1242 (99%) exact matches, in which:  
1237 unique CDR3  
13 unique J

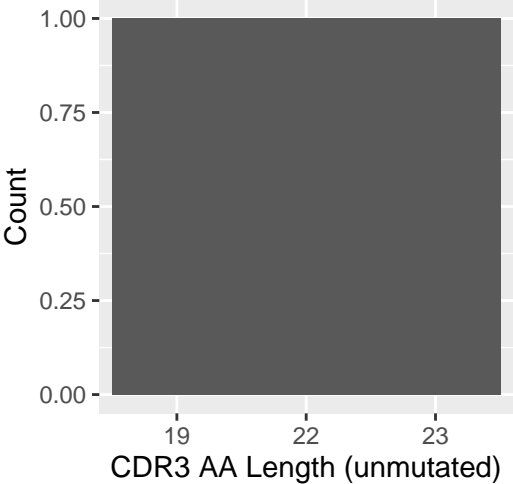


### TRBV7-9\*ap01

11833 sequences assigned  
11753 (99.3%) exact matches, in which:  
11712 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

