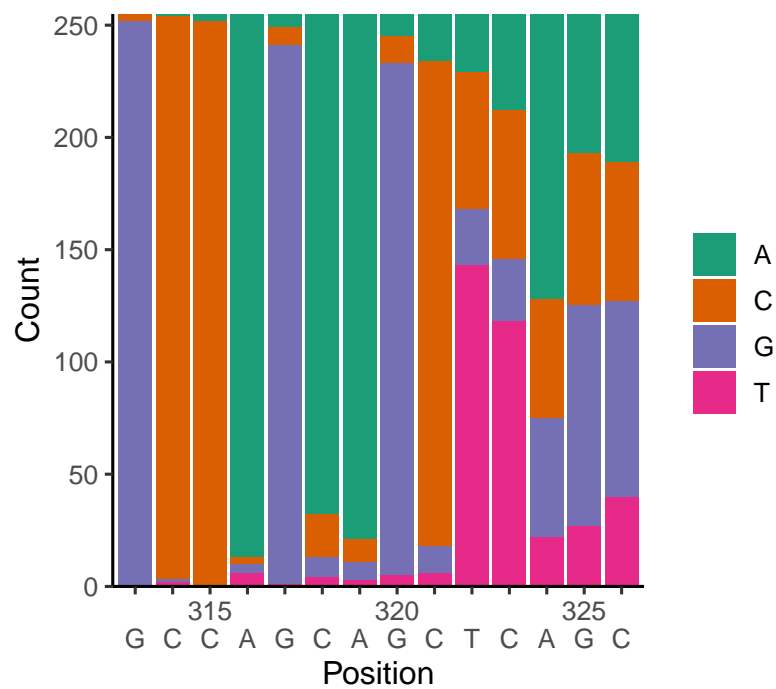
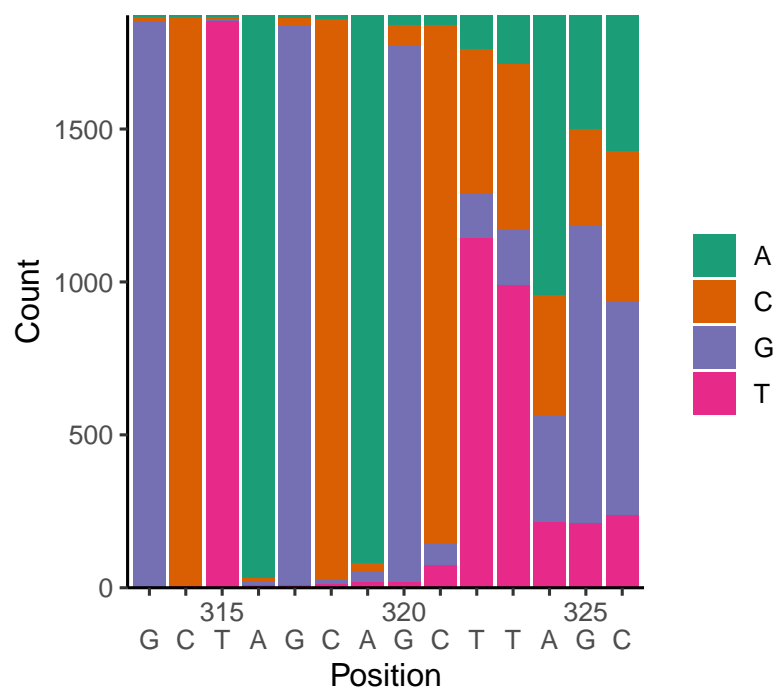


Gene TRBV7-1\*ap01\_G291C\_T296C



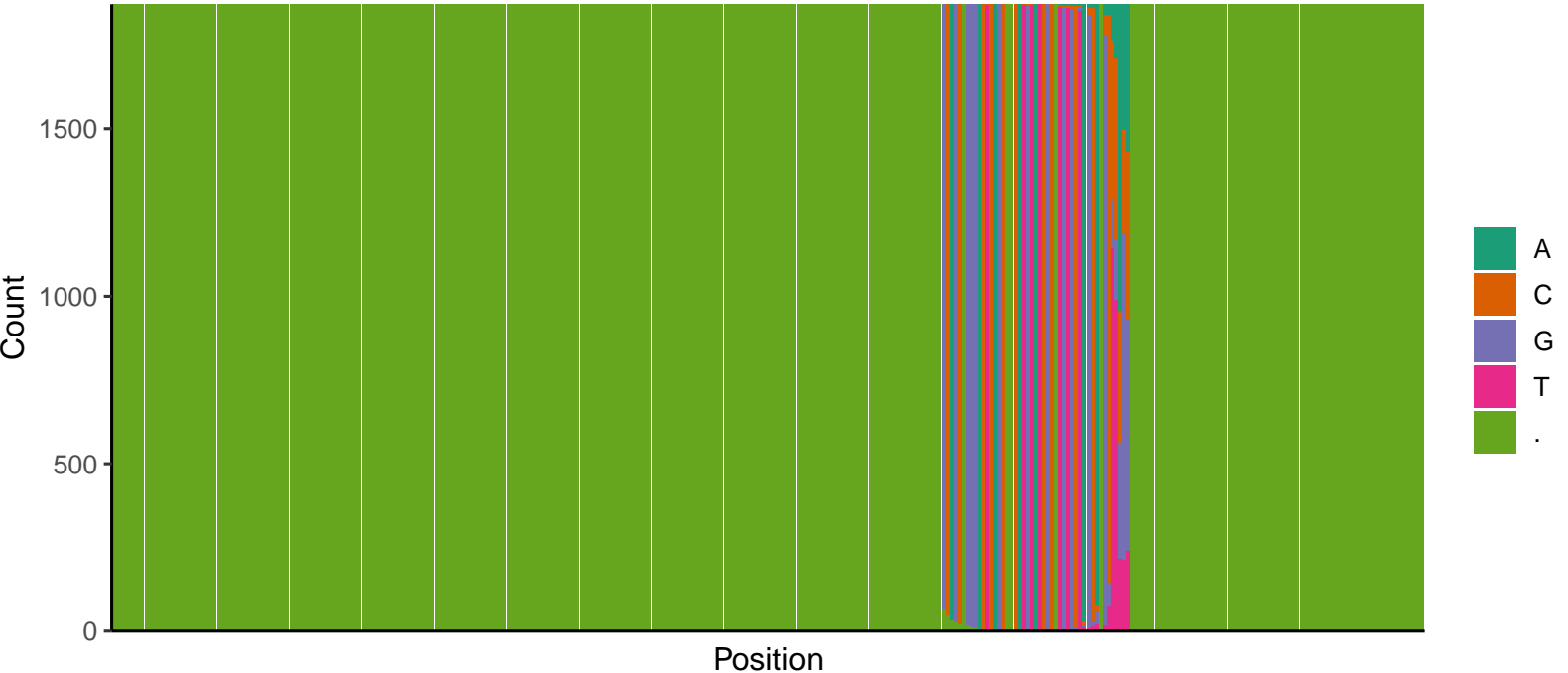
Gene TRBV7-7\*ap01\_C315T



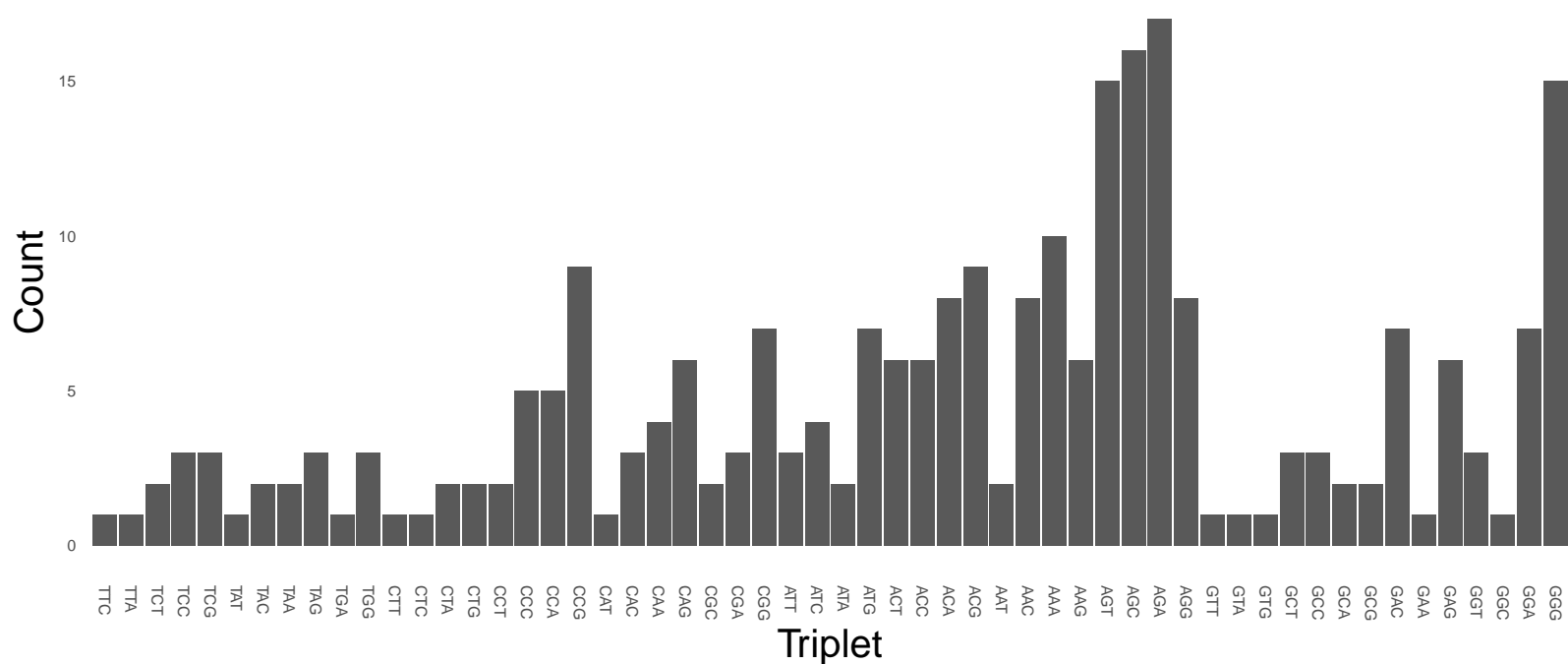
Gene TRBV7-1\*ap01\_G291C\_T296C



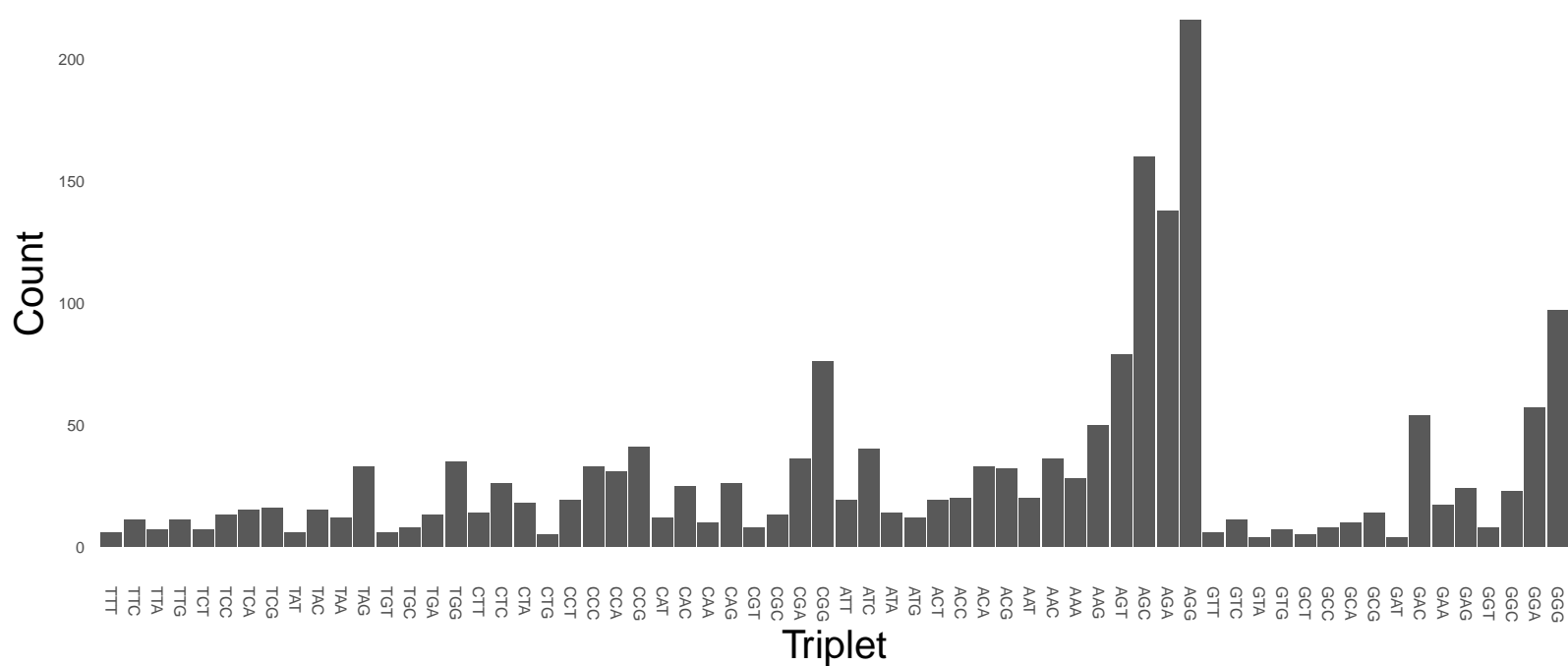
Gene TRBV7-7\*ap01\_C315T



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

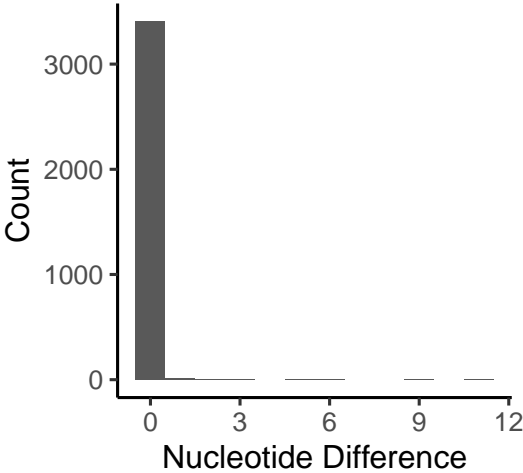


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



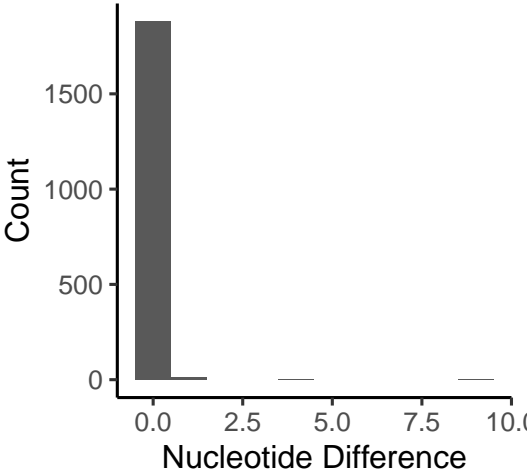
TRBV10-1\*ap01

3433 sequences assigned  
3406 (99.2%) exact matches, in which:  
3346 unique CDR3  
13 unique J



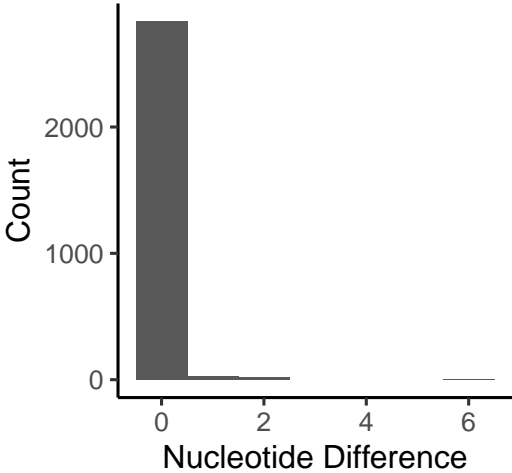
TRBV10-2\*ap01

1897 sequences assigned  
1880 (99.1%) exact matches, in which:  
1838 unique CDR3  
13 unique J



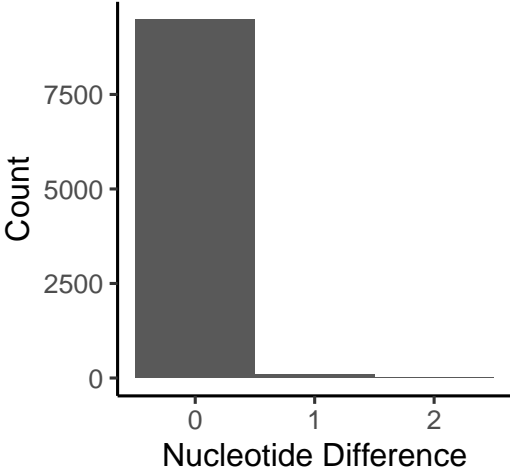
TRBV13\*ap01

2889 sequences assigned  
2836 (98.2%) exact matches, in which:  
2749 unique CDR3  
13 unique J



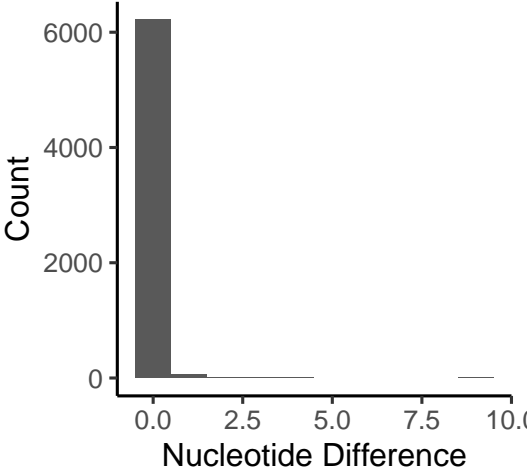
TRBV20-1\*ap01

9573 sequences assigned  
9476 (99%) exact matches, in which:  
9330 unique CDR3  
13 unique J



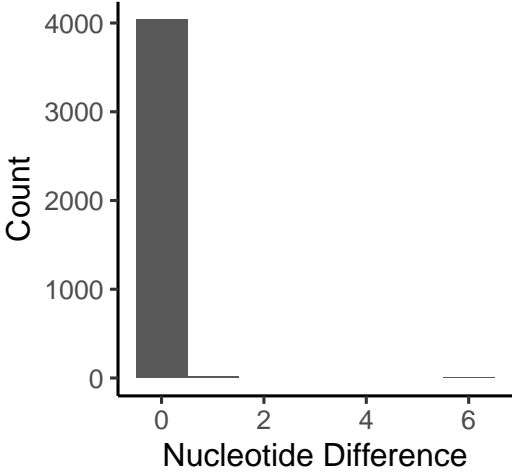
TRBV10-3\*ap01

6290 sequences assigned  
6217 (98.8%) exact matches, in which:  
6107 unique CDR3  
13 unique J



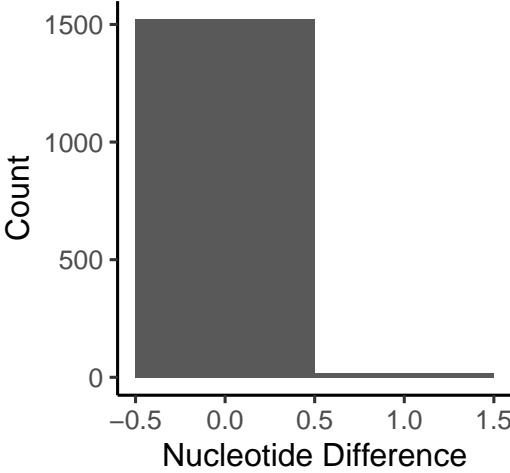
TRBV14\*ap01

4058 sequences assigned  
4037 (99.5%) exact matches, in which:  
3983 unique CDR3  
13 unique J



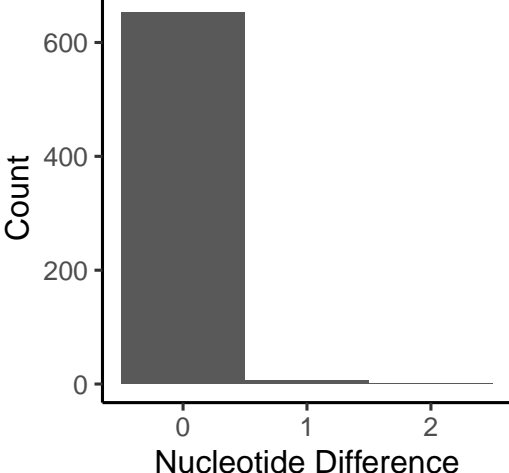
TRBV20-1\*ap02

1542 sequences assigned  
1523 (98.8%) exact matches, in which:  
1505 unique CDR3  
13 unique J



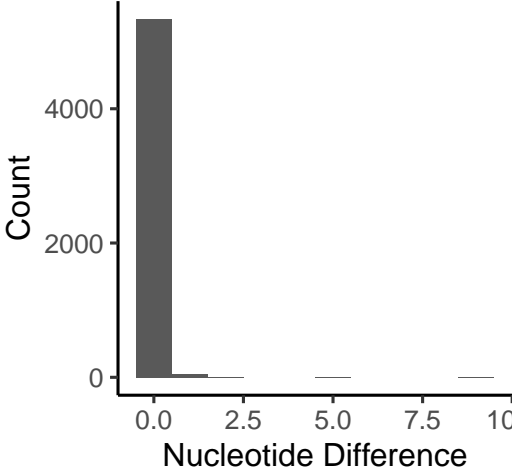
TRBV1\*ap01

660 sequences assigned  
653 (98.9%) exact matches, in which:  
641 unique CDR3  
13 unique J



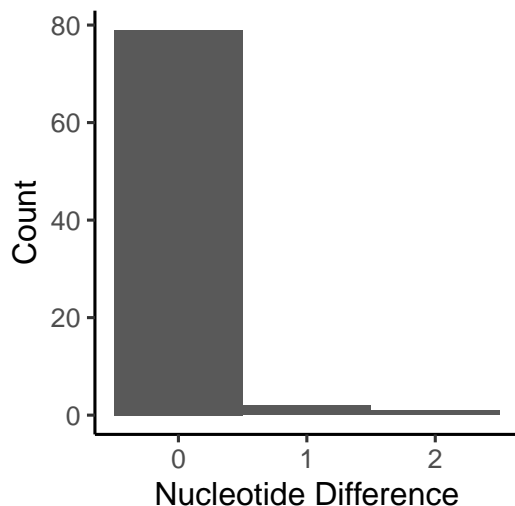
TRBV15\*ap02

5388 sequences assigned  
5336 (99%) exact matches, in which:  
5215 unique CDR3  
13 unique J



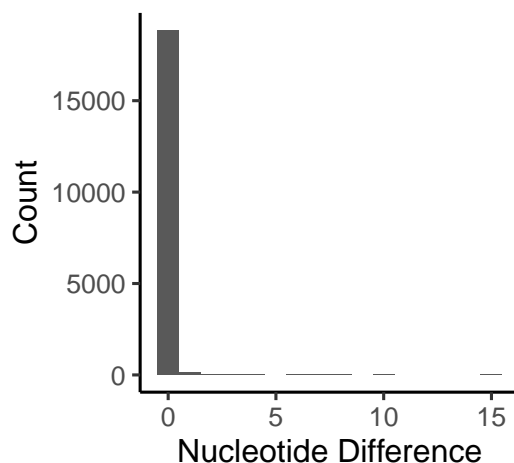
### TRBV16\*ap01

82 sequences assigned  
79 (96.3%) exact matches, in which:  
79 unique CDR3  
13 unique J



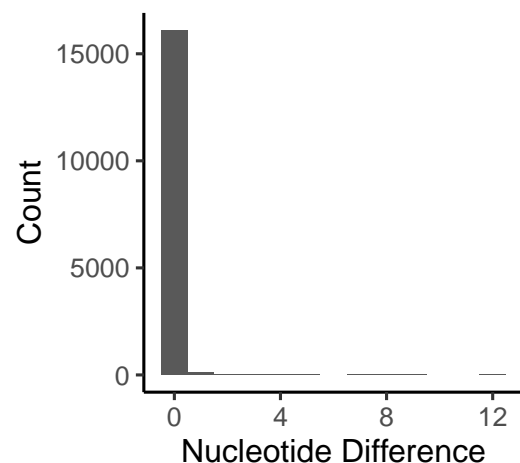
### TRBV19\*ap01

19023 sequences assigned  
18859 (99.1%) exact matches, in which:  
18659 unique CDR3  
13 unique J



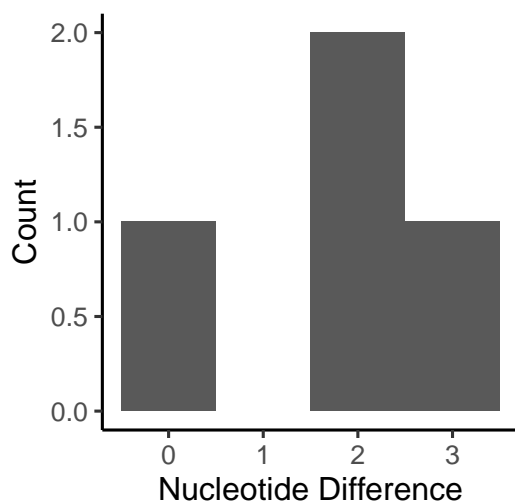
### TRBV27\*ap01

16258 sequences assigned  
16104 (99.1%) exact matches, in which:  
15796 unique CDR3  
13 unique J



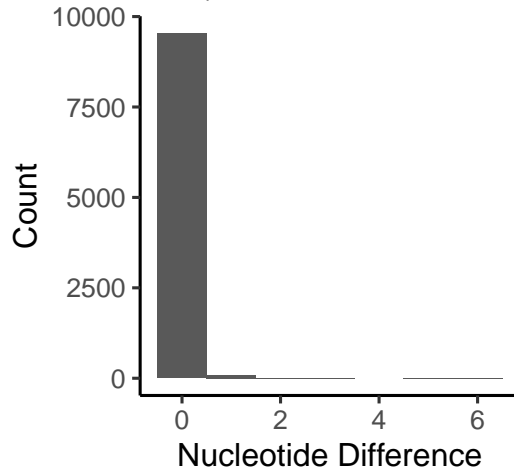
### TRBV17\*ap01

4 sequences assigned  
1 (25%) exact matches, in which:  
1 unique CDR3  
1 unique J



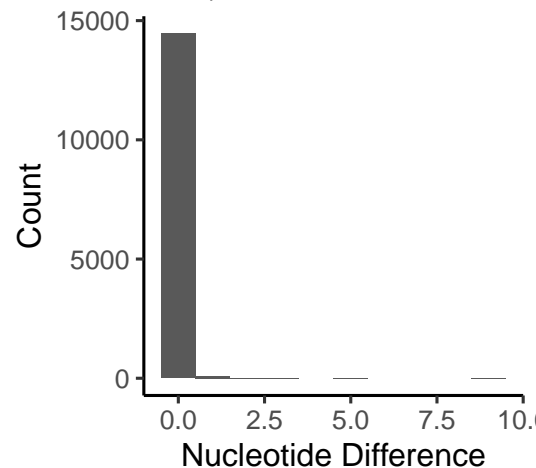
### TRBV2\*ap01

9633 sequences assigned  
9533 (99%) exact matches, in which:  
9388 unique CDR3  
13 unique J



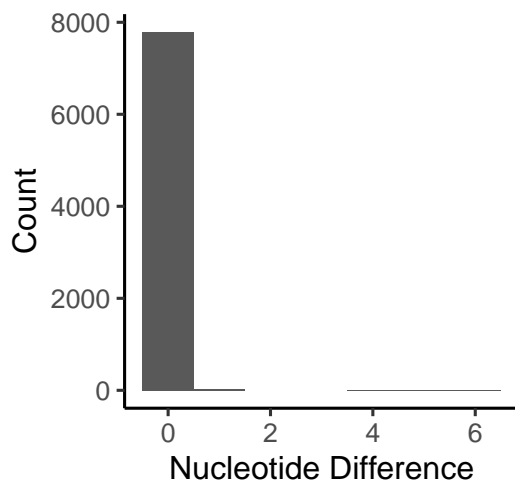
### TRBV28\*ap01

14573 sequences assigned  
14461 (99.2%) exact matches, in which:  
14249 unique CDR3  
13 unique J



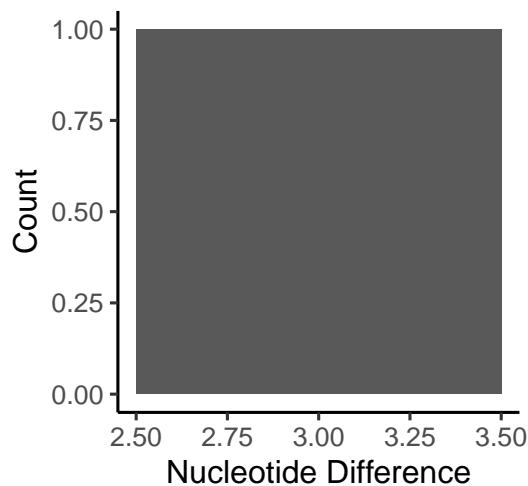
### TRBV18\*ap01

7826 sequences assigned  
7788 (99.5%) exact matches, in which:  
7700 unique CDR3  
13 unique J



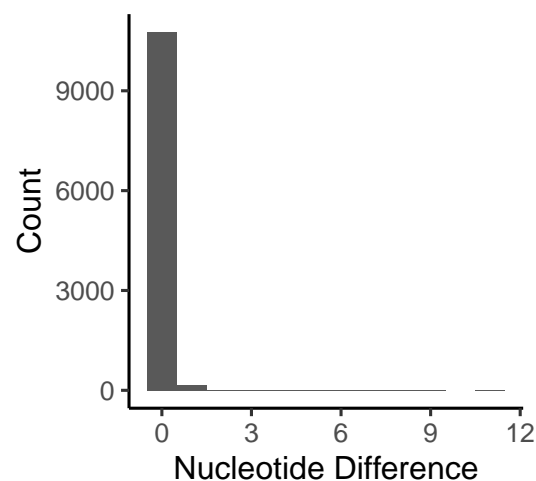
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



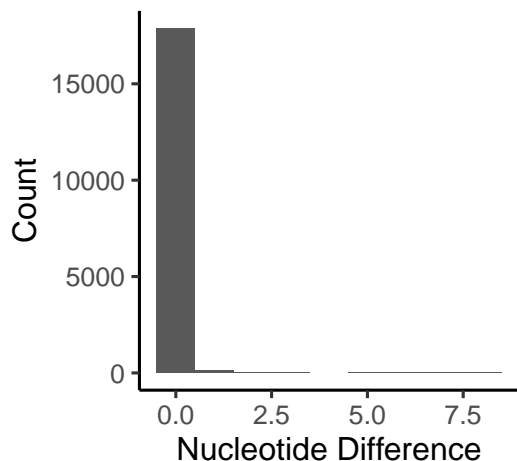
### TRBV30\*ap01

10935 sequences assigned  
10765 (98.4%) exact matches, in which:  
10507 unique CDR3  
13 unique J



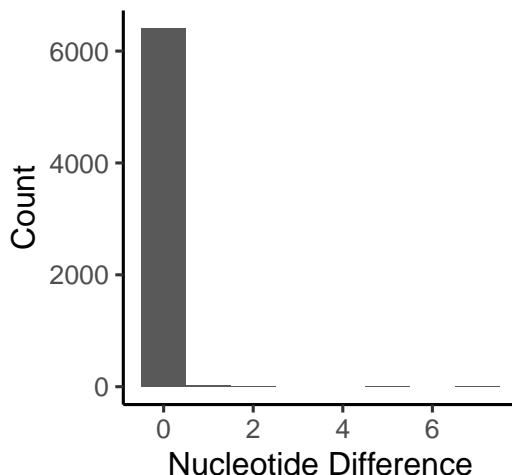
### TRBV9\*ap01

18027 sequences assigned  
17888 (99.2%) exact matches, in which:  
17600 unique CDR3  
14 unique J



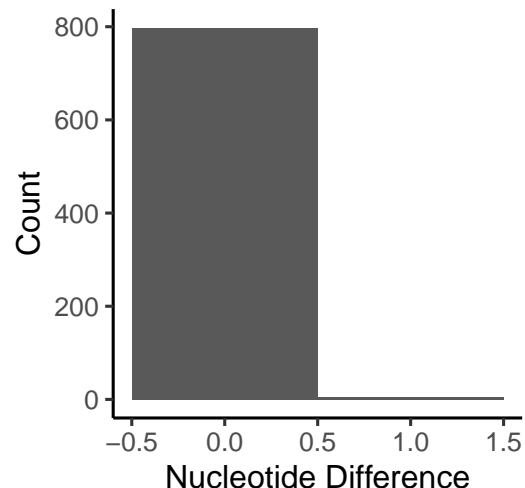
### TRBV11-2\*ap01

6438 sequences assigned  
6405 (99.5%) exact matches, in which:  
6340 unique CDR3  
13 unique J



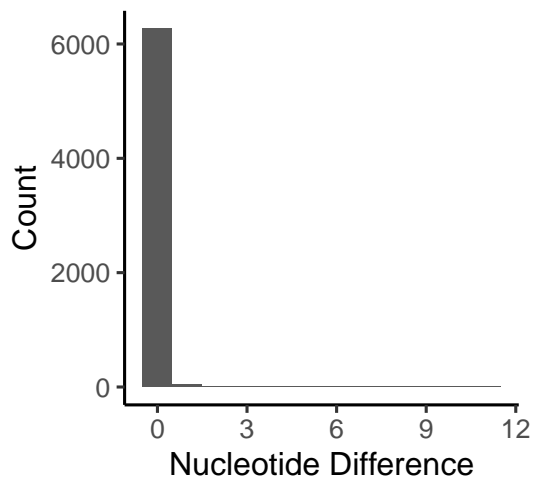
### TRBV12-2\*ap01

803 sequences assigned  
798 (99.4%) exact matches, in which:  
779 unique CDR3  
13 unique J



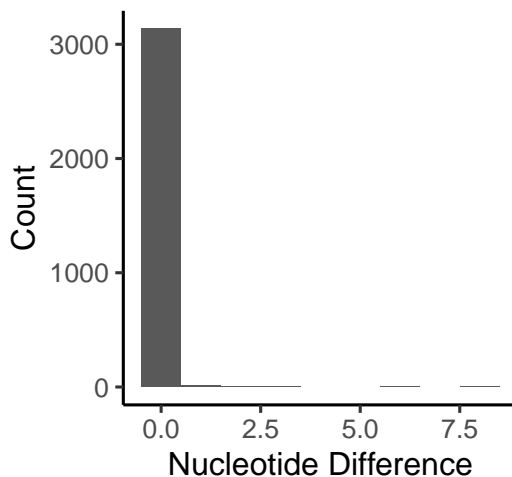
### TRBV21-1\*ap01

6348 sequences assigned  
6267 (98.7%) exact matches, in which:  
6213 unique CDR3  
13 unique J



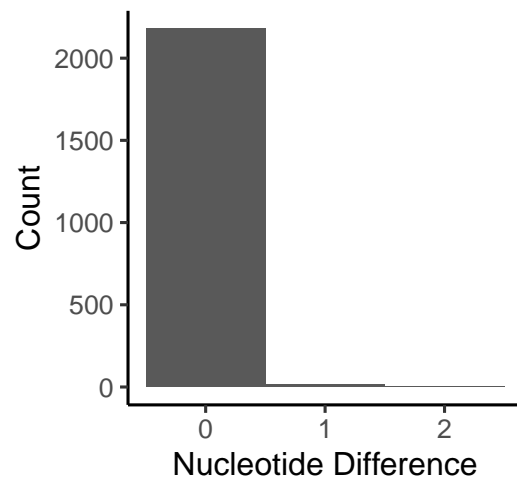
### TRBV11-3\*ap01

3157 sequences assigned  
3136 (99.3%) exact matches, in which:  
3106 unique CDR3  
14 unique J



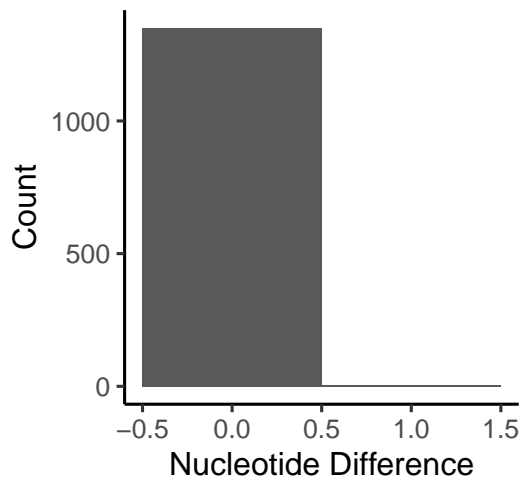
### TRBV12-5\*ap01

2196 sequences assigned  
2179 (99.2%) exact matches, in which:  
2142 unique CDR3  
13 unique J



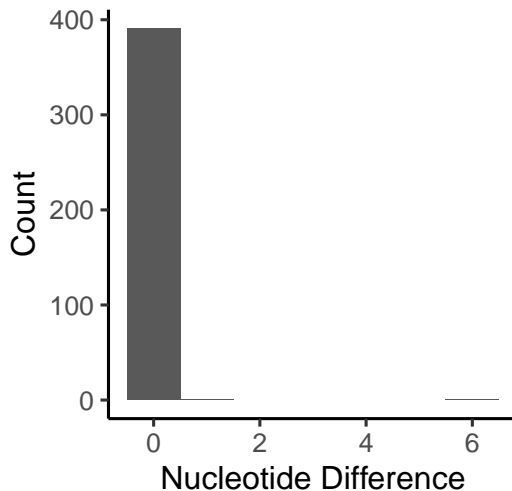
### TRBV11-1\*ap01

1355 sequences assigned  
1350 (99.6%) exact matches, in which:  
1345 unique CDR3  
13 unique J



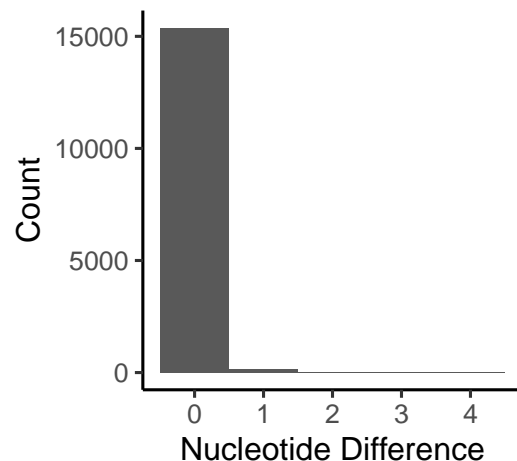
### TRBV12-1\*ap01

393 sequences assigned  
391 (99.5%) exact matches, in which:  
387 unique CDR3  
13 unique J



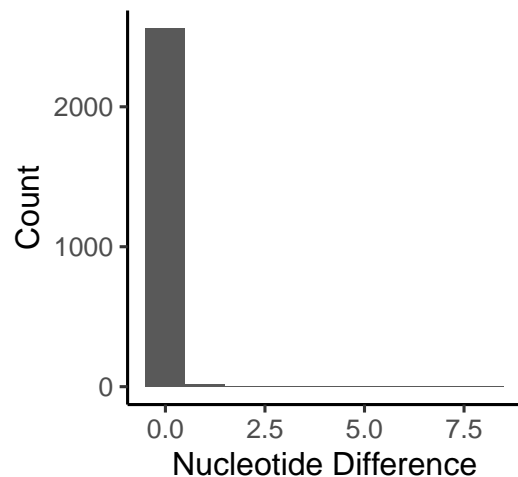
### TRBV12-34\*ap01

15549 sequences assigned  
15381 (98.9%) exact matches, in which:  
15072 unique CDR3  
13 unique J



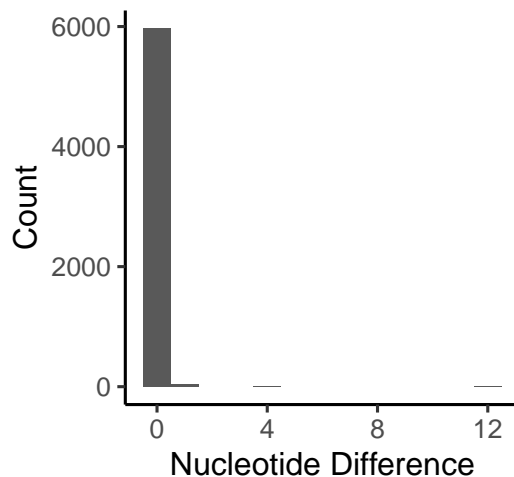
### TRBV23-1\*ap01

2591 sequences assigned  
2560 (98.8%) exact matches, in which:  
2519 unique CDR3  
13 unique J



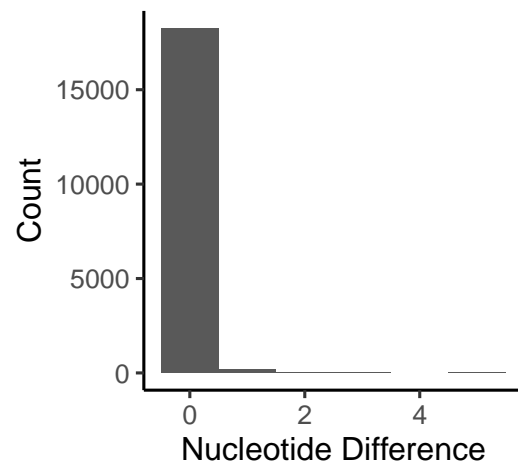
### TRBV4-1\*ap01

6016 sequences assigned  
5969 (99.2%) exact matches, in which:  
5812 unique CDR3  
13 unique J



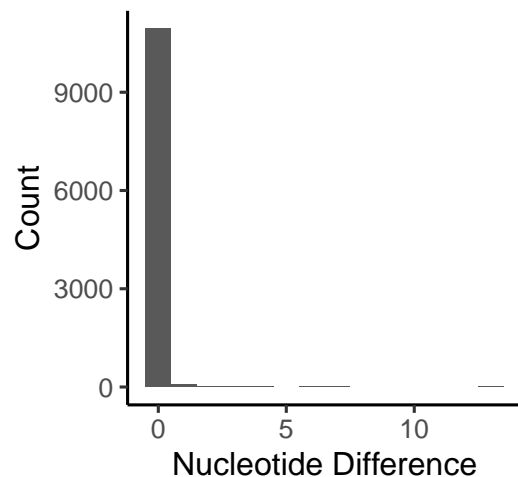
### TRBV5-1\*ap01

18446 sequences assigned  
18260 (99%) exact matches, in which:  
17792 unique CDR3  
13 unique J



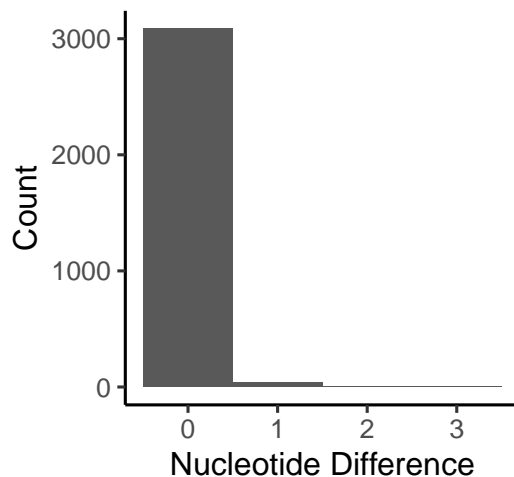
### TRBV3-12\*ap01

11027 sequences assigned  
10940 (99.2%) exact matches, in which:  
10835 unique CDR3  
13 unique J



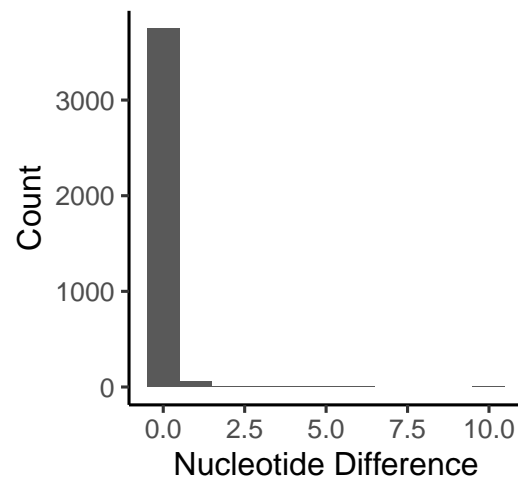
### TRBV4-2\*ap01

3129 sequences assigned  
3086 (98.6%) exact matches, in which:  
3019 unique CDR3  
13 unique J



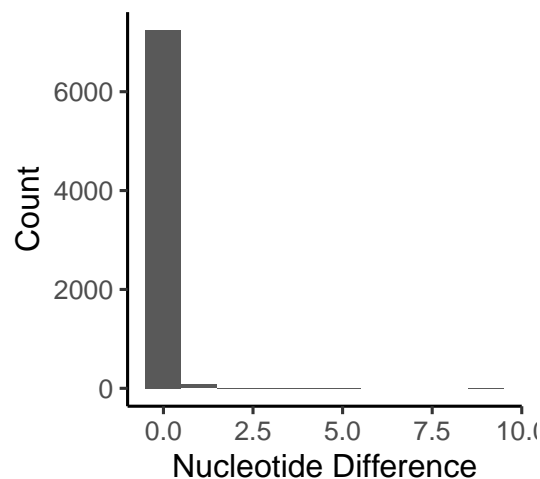
### TRBV25-1\*ap01

3810 sequences assigned  
3746 (98.3%) exact matches, in which:  
3658 unique CDR3  
13 unique J



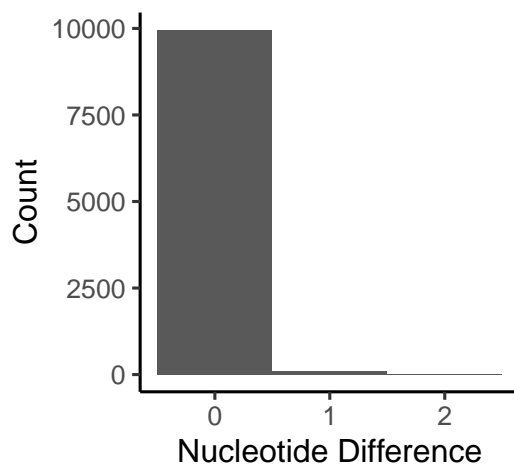
### TRBV24-1\*ap01

7340 sequences assigned  
7247 (98.7%) exact matches, in which:  
7107 unique CDR3  
13 unique J



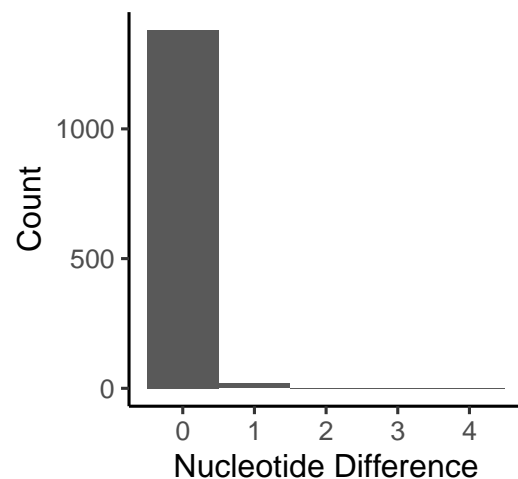
### TRBV4-3\*ap01

10064 sequences assigned  
9961 (99%) exact matches, in which:  
9744 unique CDR3  
13 unique J



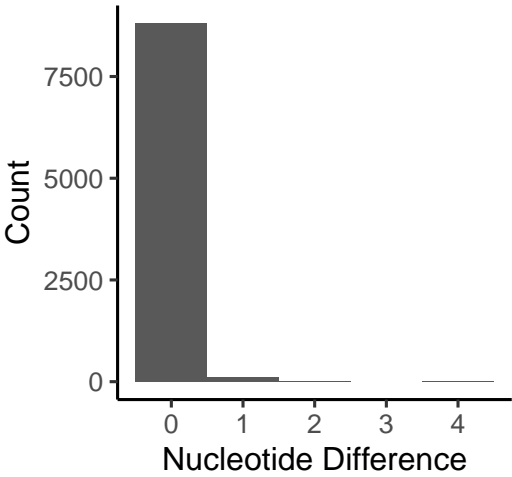
### TRBV5-3\*ap01

1402 sequences assigned  
1381 (98.5%) exact matches, in which:  
1358 unique CDR3  
13 unique J



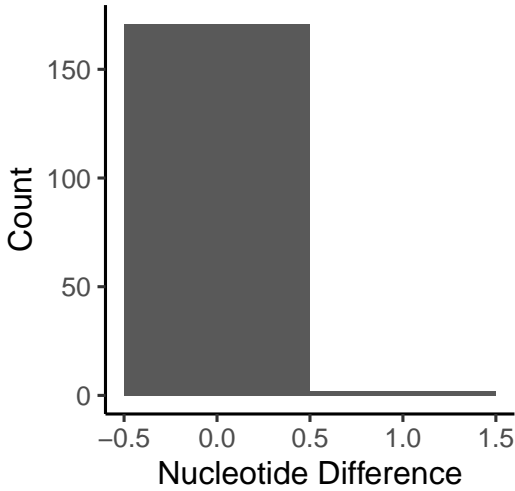
TRBV5-4\*ap01

8911 sequences assigned  
8805 (98.8%) exact matches, in which:  
8616 unique CDR3  
13 unique J



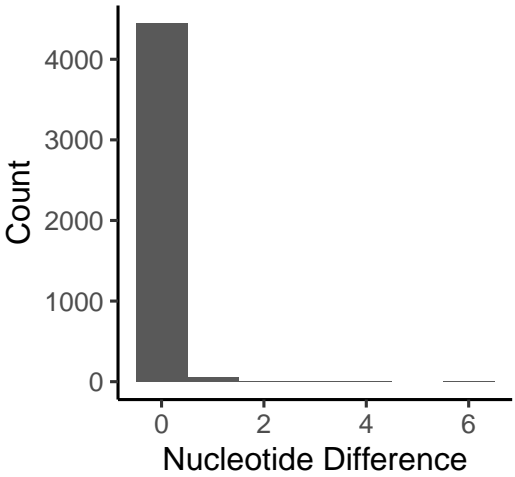
TRBV5-7\*ap01

173 sequences assigned  
171 (98.8%) exact matches, in which:  
165 unique CDR3  
13 unique J



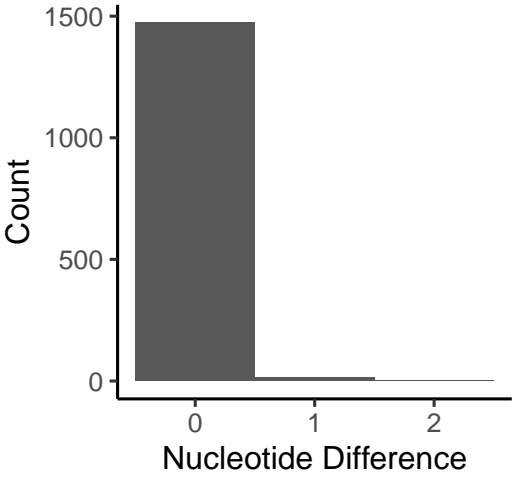
TRBV6-4\*ap01

4503 sequences assigned  
4445 (98.7%) exact matches, in which:  
4391 unique CDR3  
13 unique J



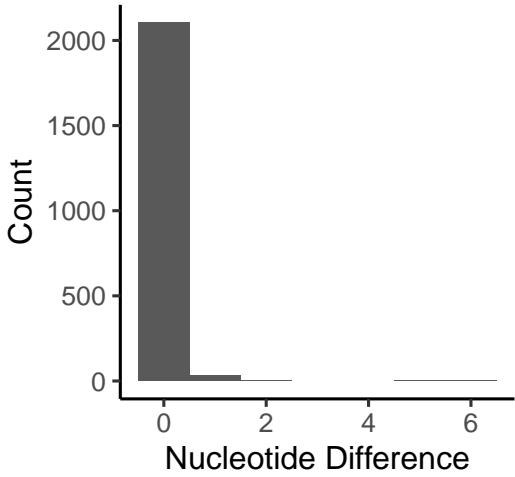
TRBV5-5\*ap01

1493 sequences assigned  
1473 (98.7%) exact matches, in which:  
1458 unique CDR3  
13 unique J



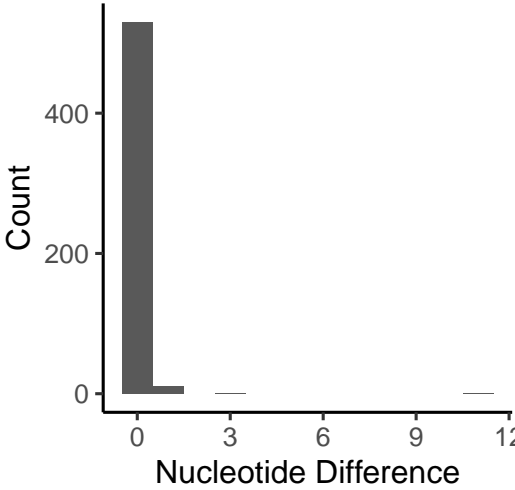
TRBV5-8\*ap01

2141 sequences assigned  
2104 (98.3%) exact matches, in which:  
2067 unique CDR3  
13 unique J



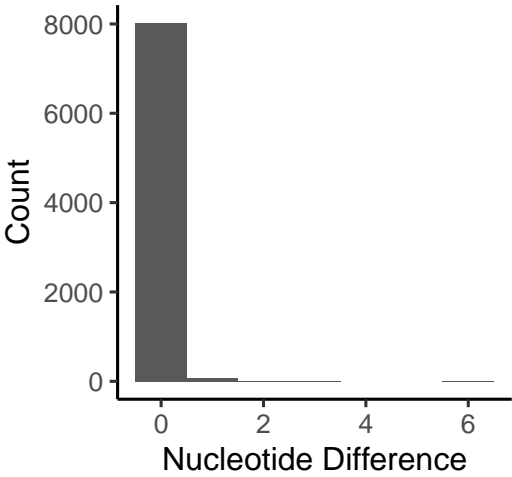
TRBV6-7\*ap01

542 sequences assigned  
530 (97.8%) exact matches, in which:  
520 unique CDR3  
13 unique J



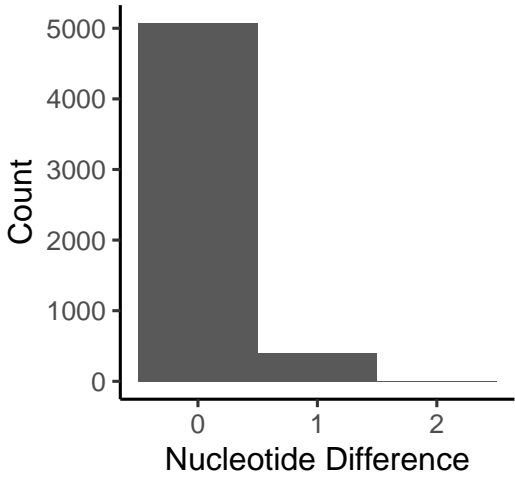
TRBV5-6\*ap01

8103 sequences assigned  
8020 (99%) exact matches, in which:  
7748 unique CDR3  
13 unique J



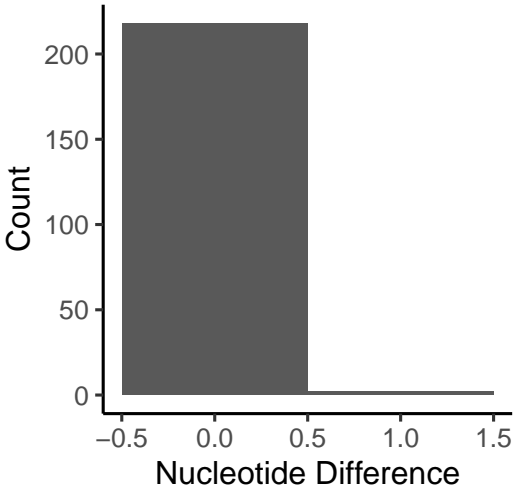
TRBV6-1\*ap01

5473 sequences assigned  
5074 (92.7%) exact matches, in which:  
4933 unique CDR3  
13 unique J



TRBV6-8\*ap01

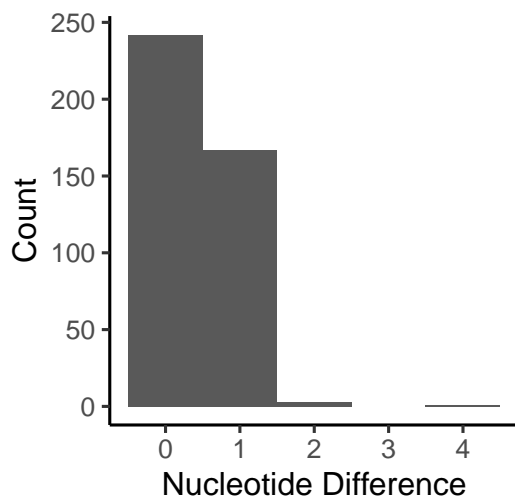
220 sequences assigned  
218 (99.1%) exact matches, in which:  
215 unique CDR3  
13 unique J





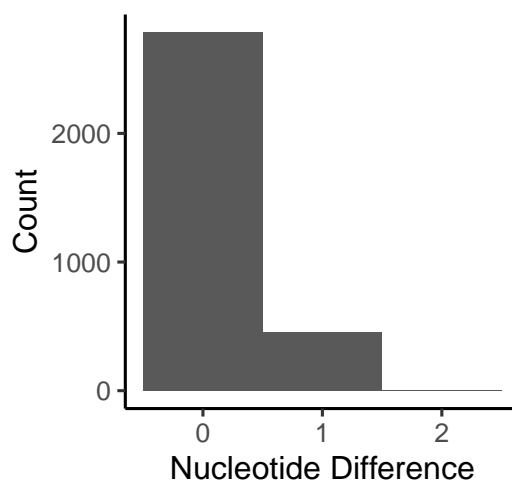
### TRBV6-9\*ap01

413 sequences assigned  
242 (58.6%) exact matches, in which:  
239 unique CDR3  
13 unique J



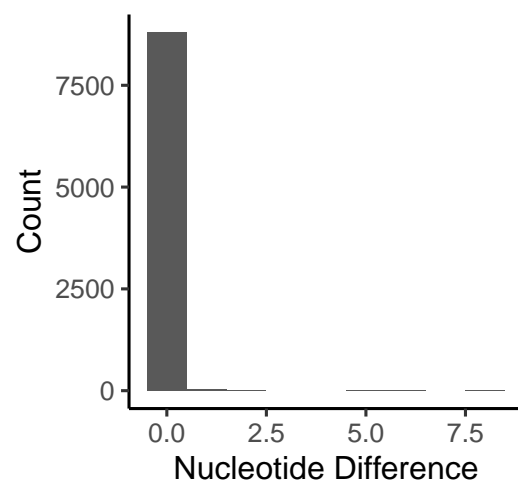
### TRBV6-56\*ap02

3240 sequences assigned  
2785 (86%) exact matches, in which:  
2718 unique CDR3  
13 unique J



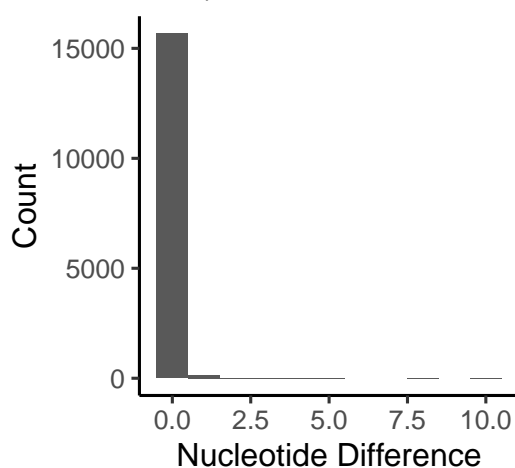
### TRBV7-3\*ap01

8850 sequences assigned  
8799 (99.4%) exact matches, in which:  
8697 unique CDR3  
13 unique J



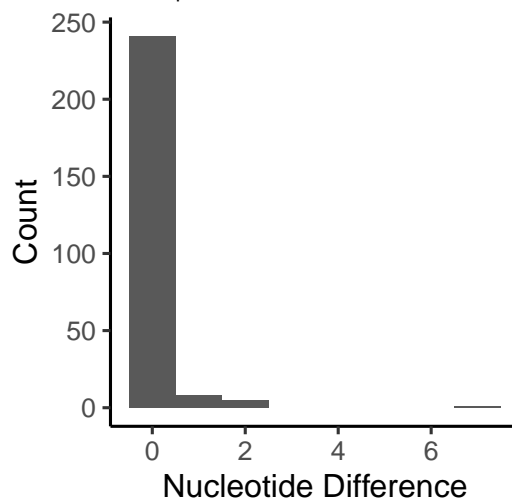
### TRBV6-23\*ap01

15843 sequences assigned  
15677 (99%) exact matches, in which:  
15210 unique CDR3  
13 unique J



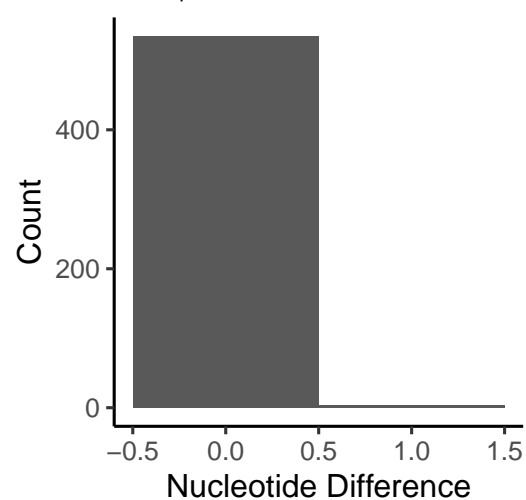
### TRBV7-1\*ap01\_G291C\_

255 sequences assigned  
241 (94.5%) exact matches, in which:  
239 unique CDR3  
13 unique J



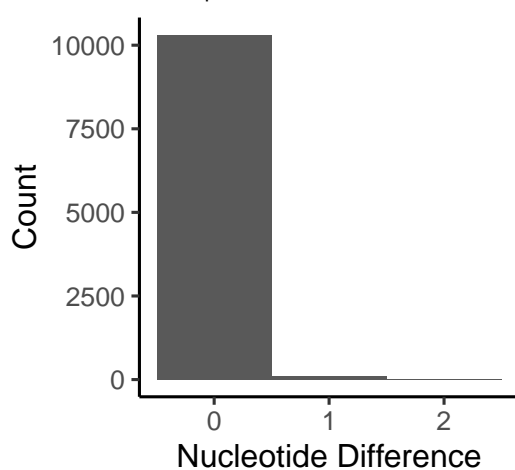
### TRBV7-4\*ap01

539 sequences assigned  
535 (99.3%) exact matches, in which:  
525 unique CDR3  
13 unique J



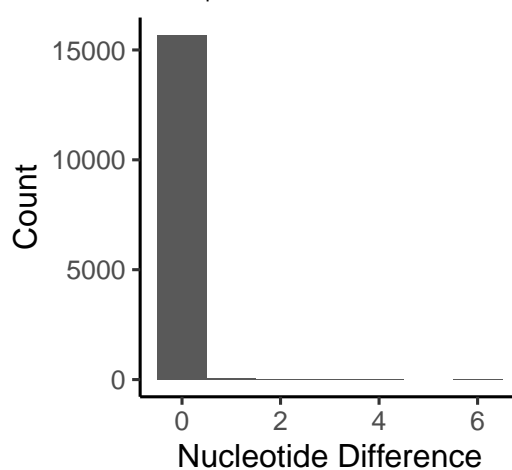
### TRBV6-56\*ap01

10427 sequences assigned  
10311 (98.9%) exact matches, in which:  
10049 unique CDR3  
13 unique J



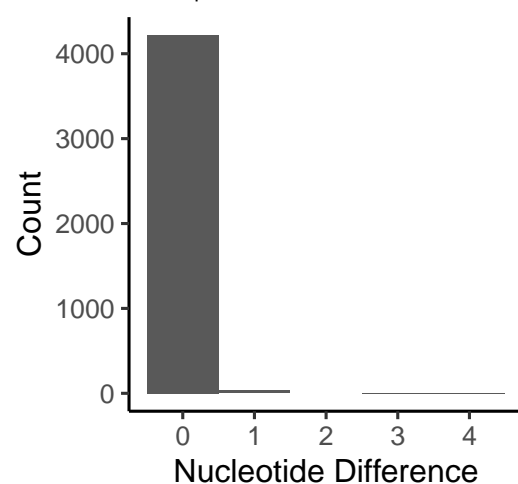
### TRBV7-2\*ap01

15782 sequences assigned  
15689 (99.4%) exact matches, in which:  
15447 unique CDR3  
13 unique J



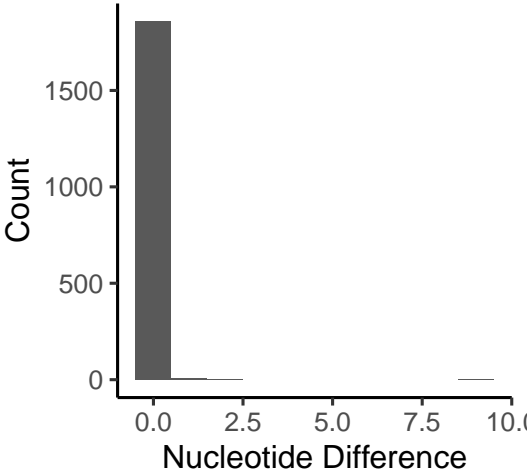
### TRBV7-6\*ap01

4255 sequences assigned  
4220 (99.2%) exact matches, in which:  
4143 unique CDR3  
13 unique J



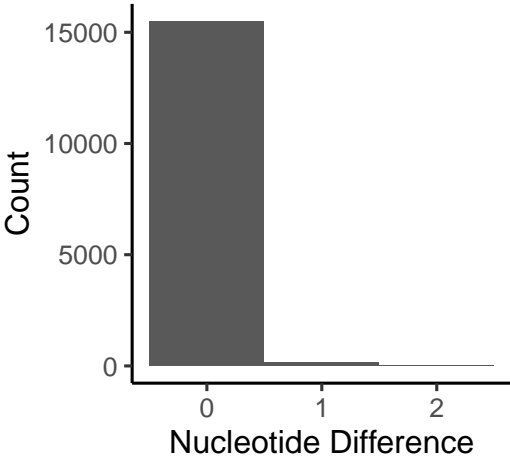
TRBV7-7\*ap01\_C315T

1872 sequences assigned  
1858 (99.3%) exact matches, in which:  
1826 unique CDR3  
13 unique J



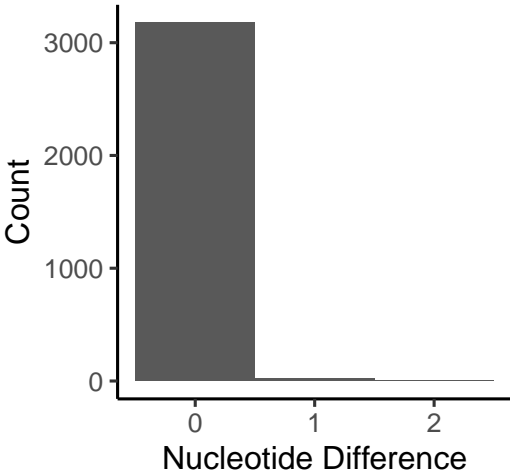
TRBV7-9\*ap01

15640 sequences assigned  
15501 (99.1%) exact matches, in which:  
15259 unique CDR3  
13 unique J



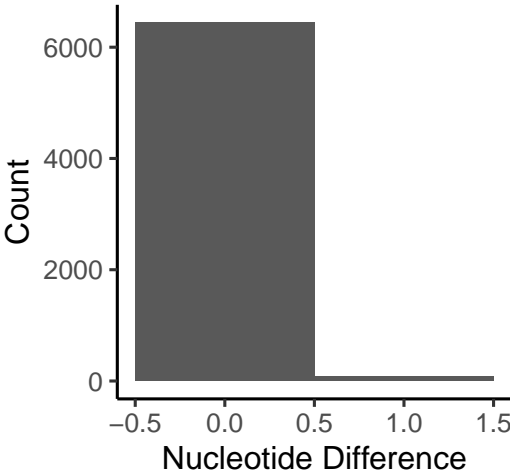
TRBV7-8\*ap01

3198 sequences assigned  
3177 (99.3%) exact matches, in which:  
3131 unique CDR3  
13 unique J



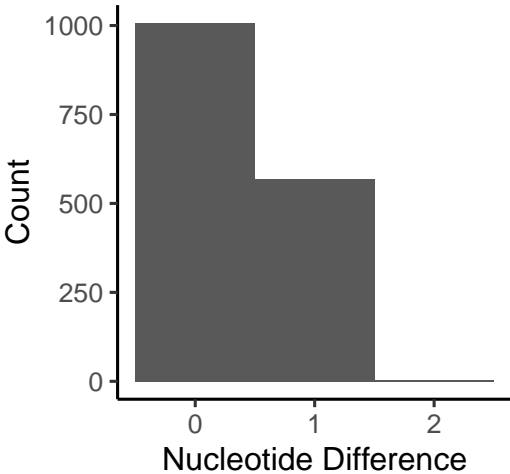
TRBV29-1\*ap01

6528 sequences assigned  
6440 (98.7%) exact matches, in which:  
6227 unique CDR3  
13 unique J



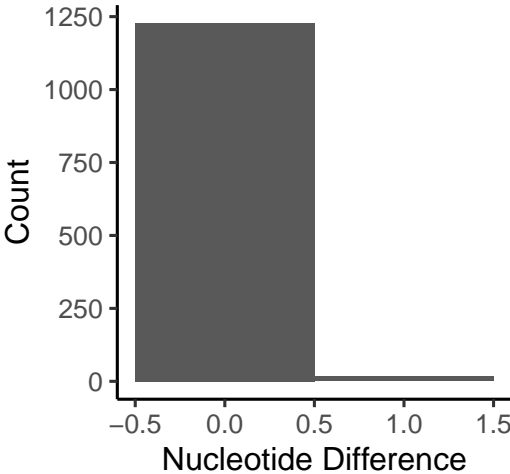
TRBV7-8\*ap03

1579 sequences assigned  
1007 (63.8%) exact matches, in which:  
993 unique CDR3  
13 unique J

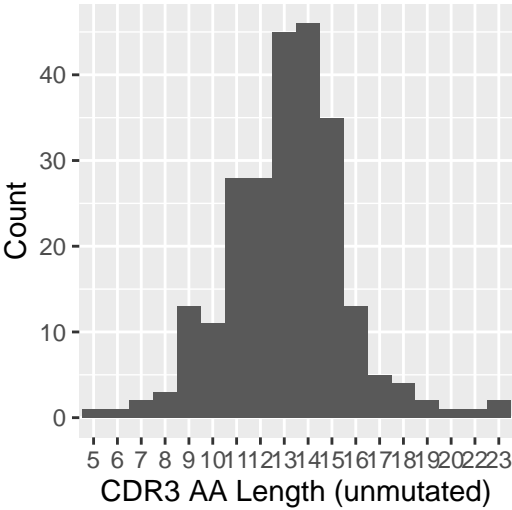


TRBV29-1\*ap02

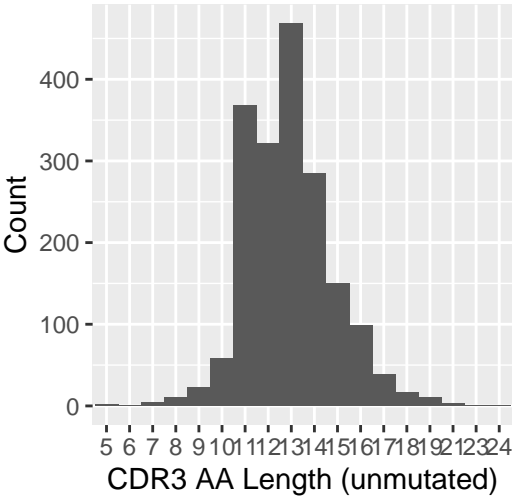
1244 sequences assigned  
1228 (98.7%) exact matches, in which:  
1196 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]