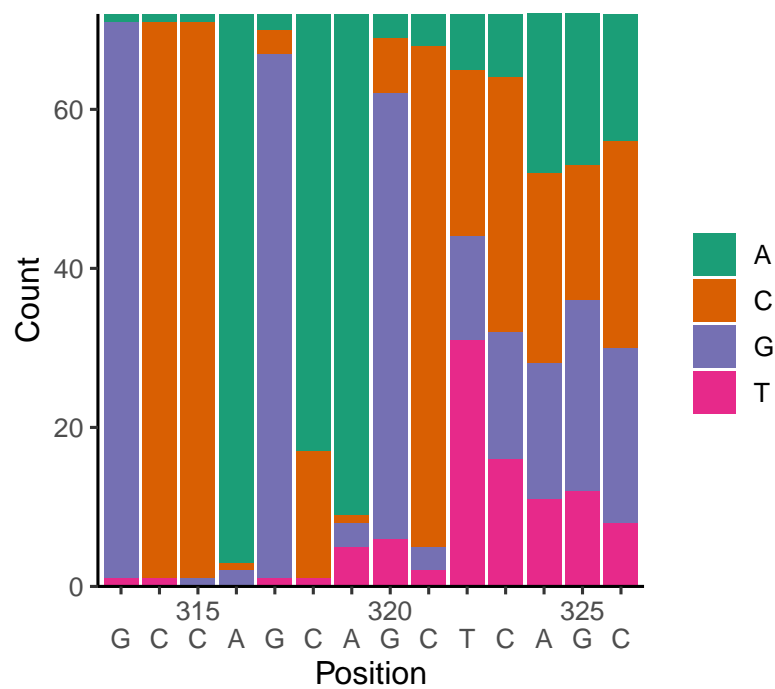
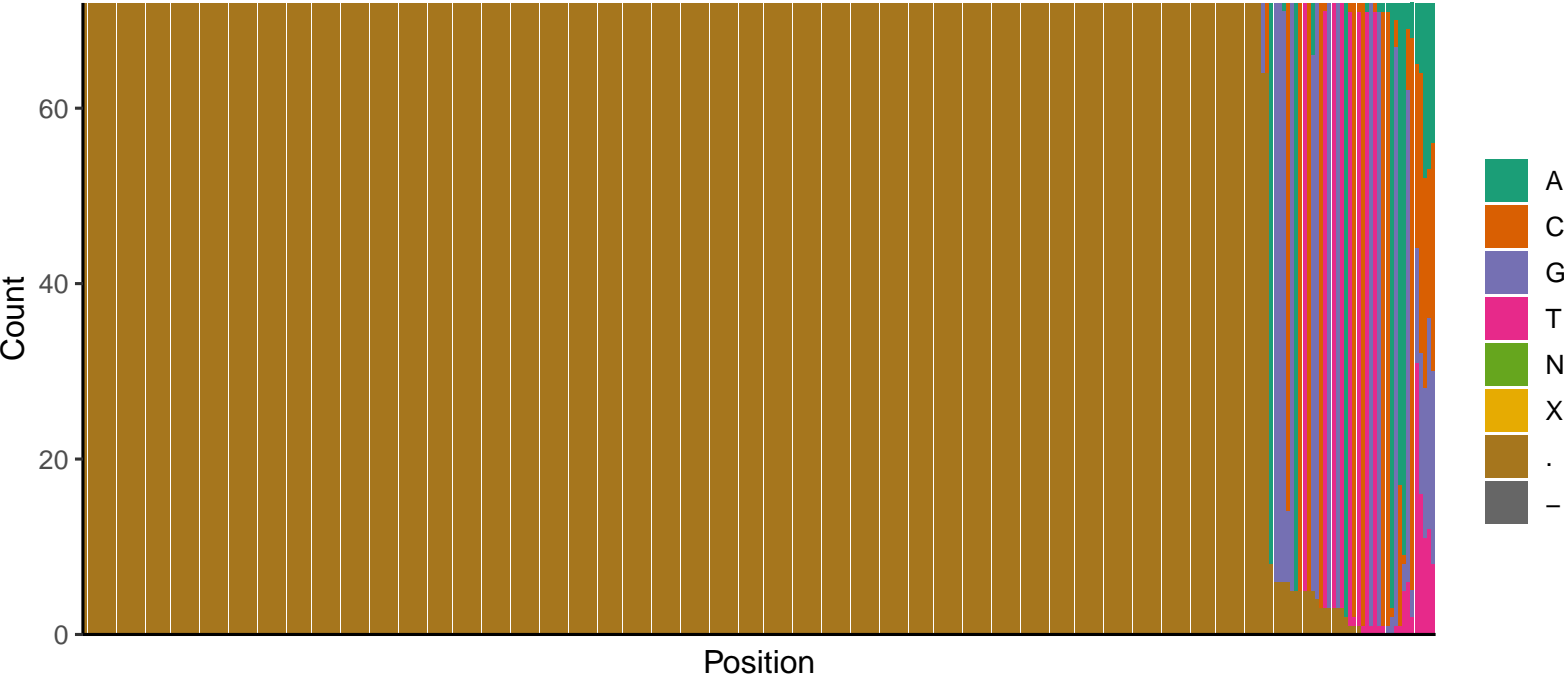


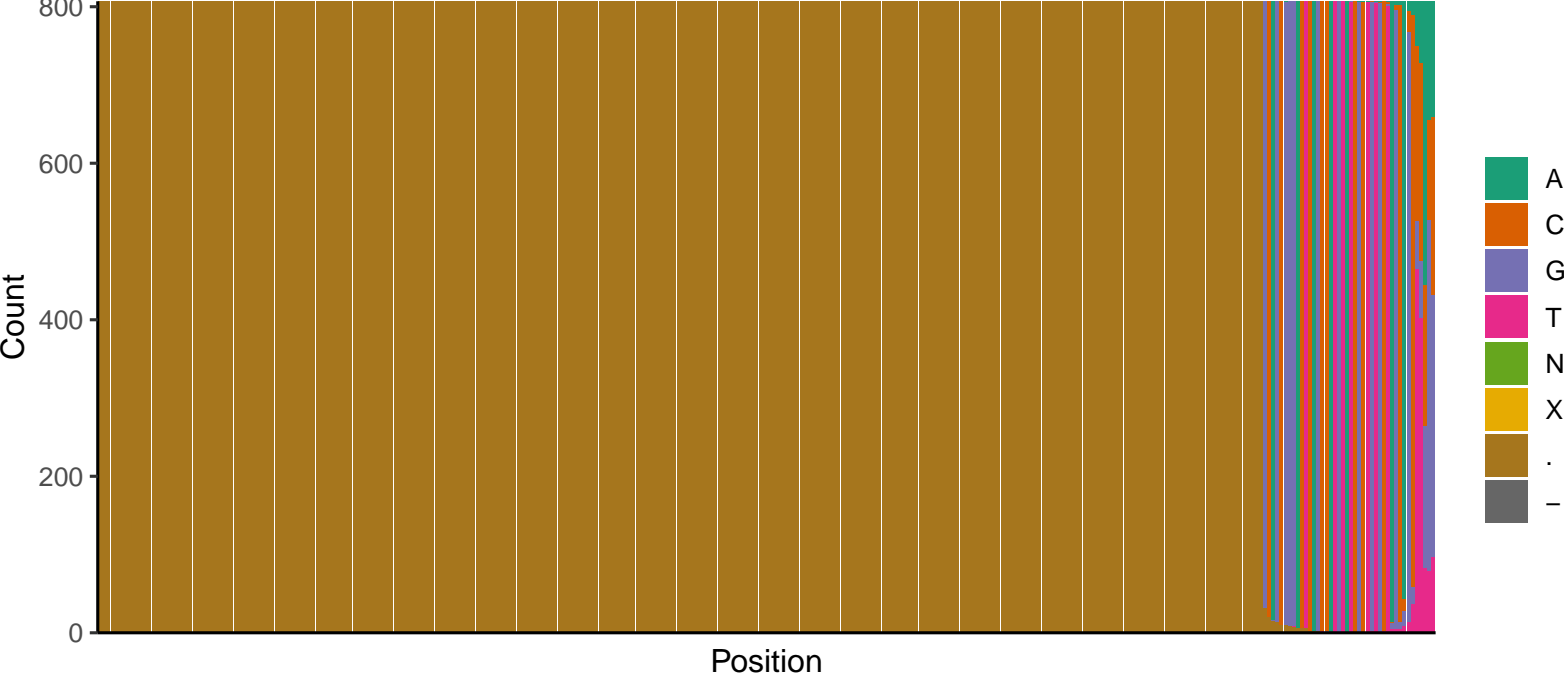
Gene TRBV7-1\*ap01\_T296C



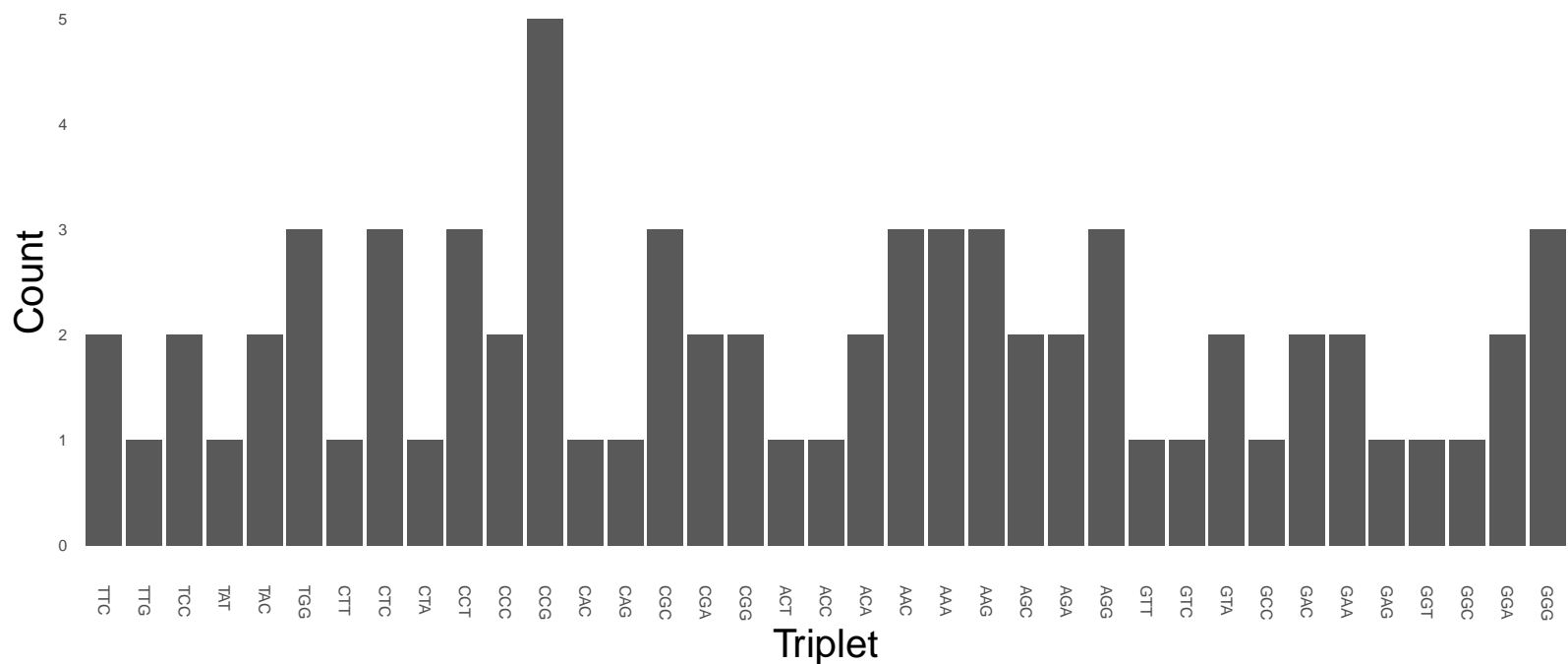
Gene TRBV7-1\*ap01\_T296C



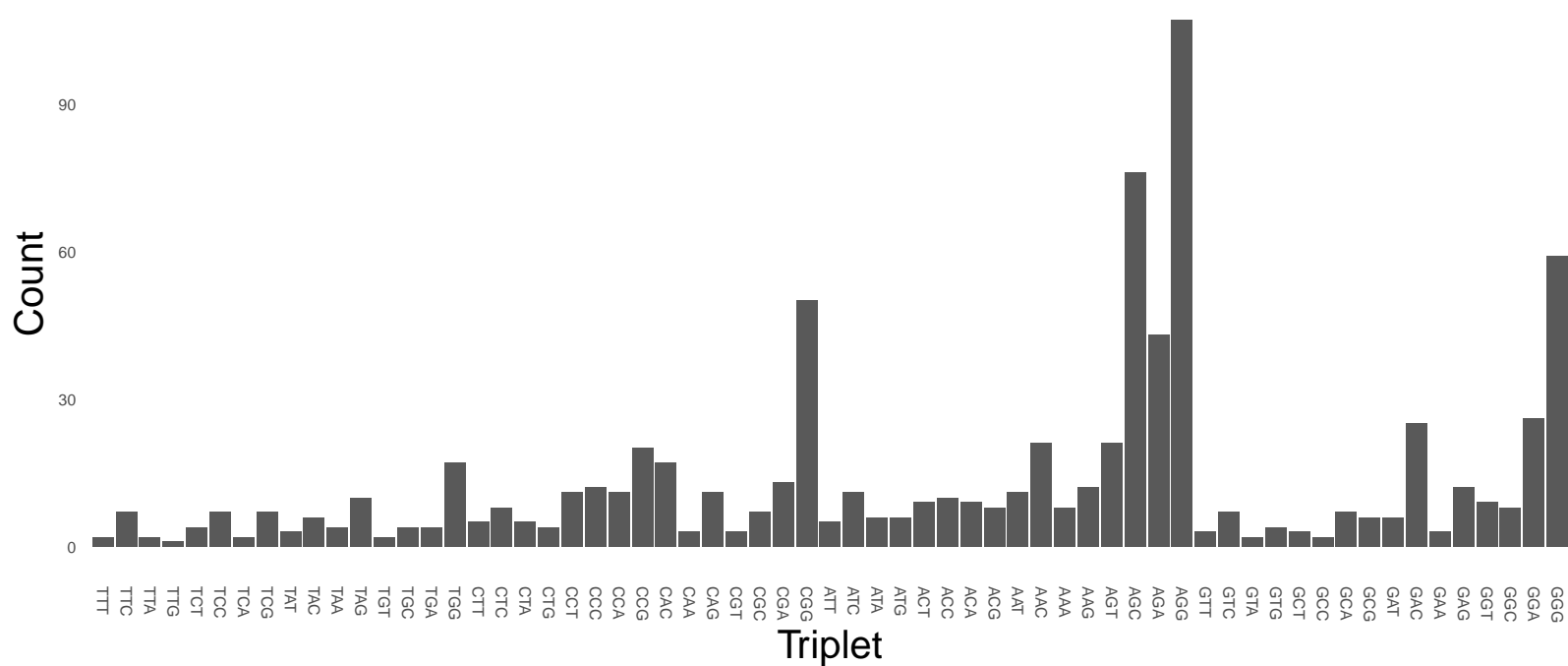
Gene TRBV7-7\*ap01\_C315T



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

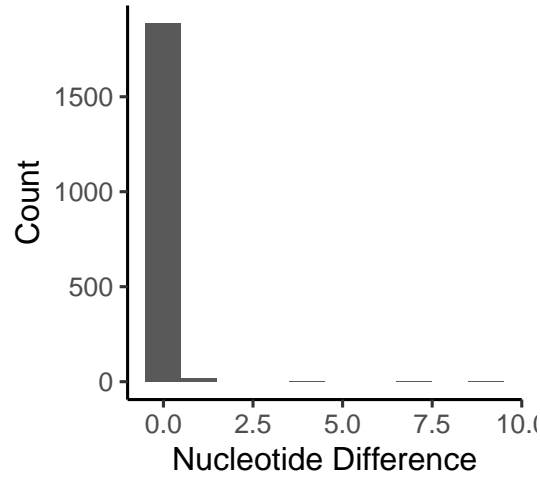


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



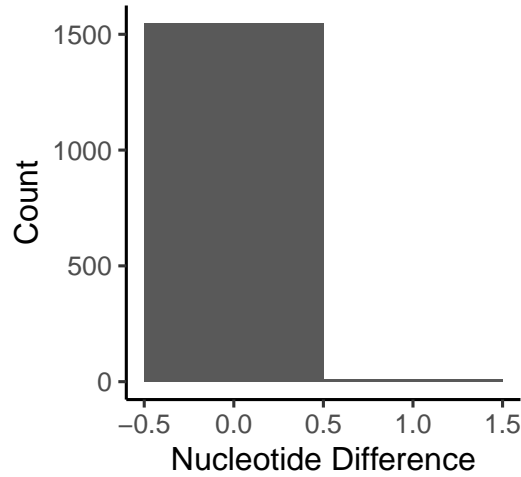
### TRBV10-1\*ap01

1909 sequences assigned  
1886 (98.8%) exact matches, in which:  
1869 unique CDR3  
13 unique J



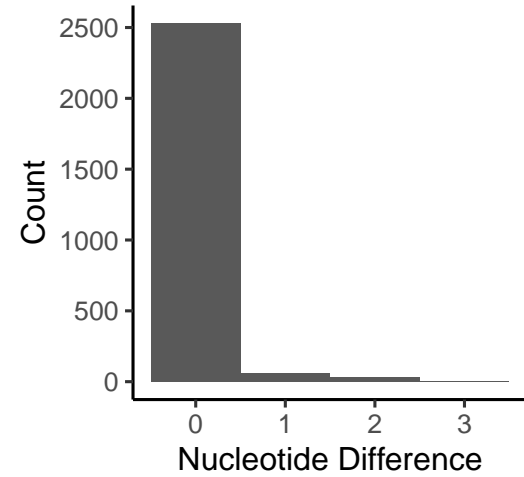
### TRBV10-2\*ap01

1557 sequences assigned  
1547 (99.4%) exact matches, in which:  
1533 unique CDR3  
13 unique J



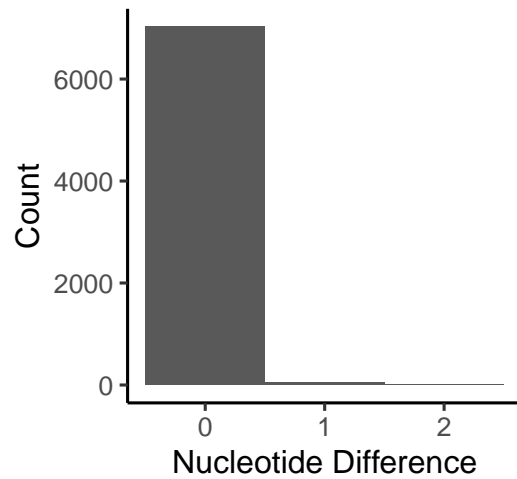
### TRBV13\*ap01

2619 sequences assigned  
2529 (96.6%) exact matches, in which:  
2499 unique CDR3  
13 unique J



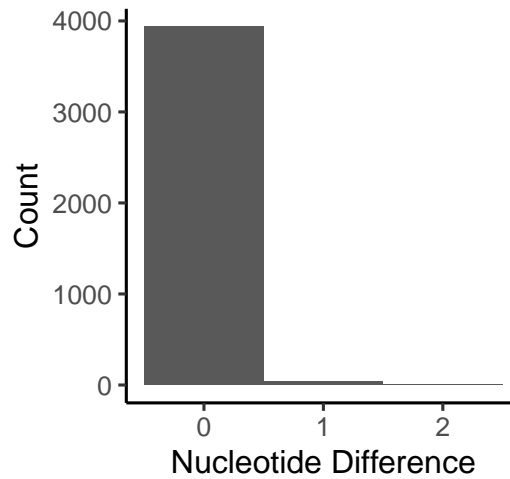
### TRBV20-1\*ap01

7074 sequences assigned  
7026 (99.3%) exact matches, in which:  
6967 unique CDR3  
13 unique J



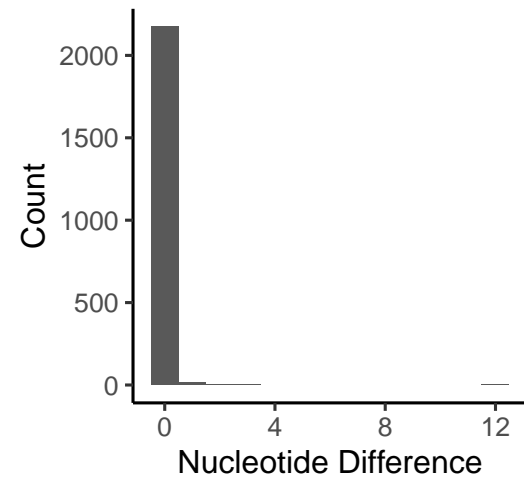
### TRBV10-3\*ap01

3976 sequences assigned  
3936 (99%) exact matches, in which:  
3895 unique CDR3  
13 unique J



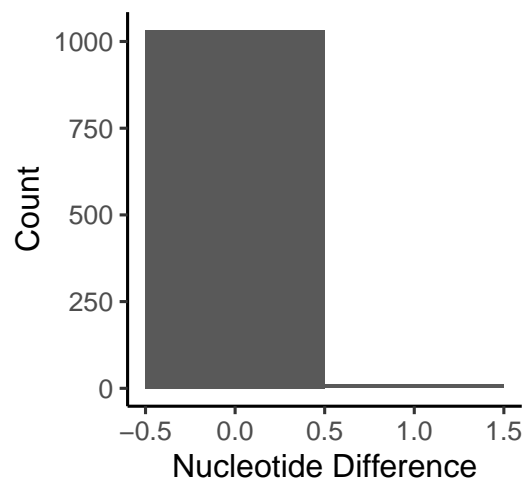
### TRBV14\*ap01

2193 sequences assigned  
2174 (99.1%) exact matches, in which:  
2163 unique CDR3  
13 unique J



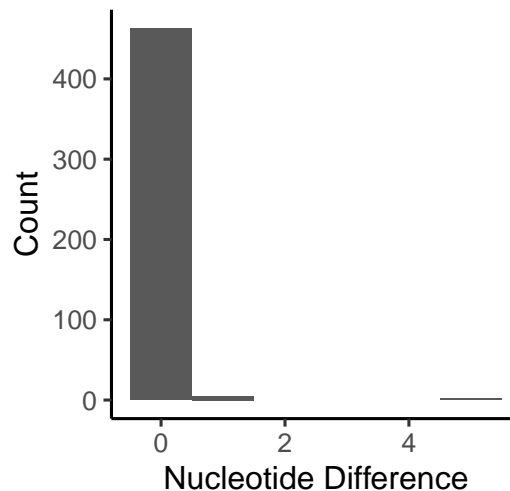
### TRBV20-1\*ap02

1044 sequences assigned  
1033 (98.9%) exact matches, in which:  
1023 unique CDR3  
13 unique J



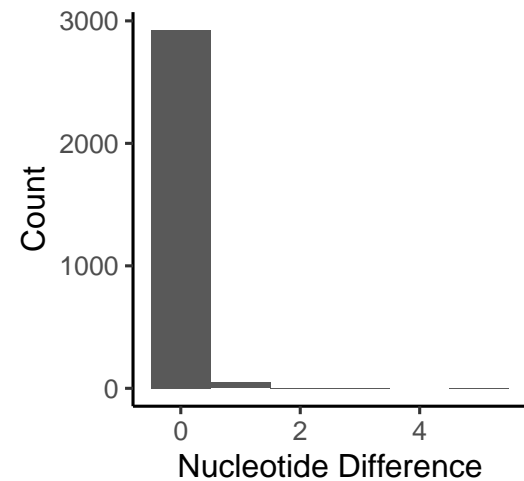
### TRBV1\*ap01

470 sequences assigned  
463 (98.5%) exact matches, in which:  
453 unique CDR3  
13 unique J



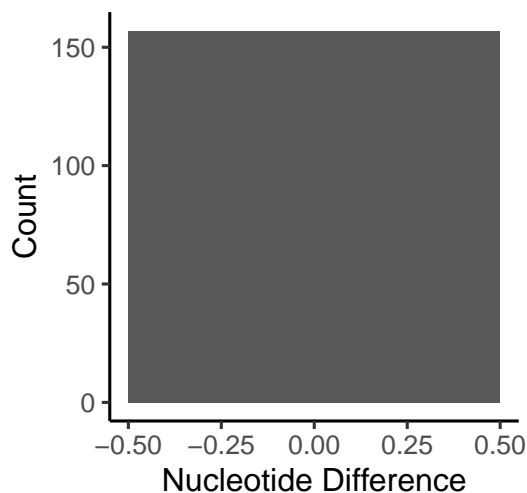
### TRBV15\*ap02

2978 sequences assigned  
2925 (98.2%) exact matches, in which:  
2892 unique CDR3  
13 unique J



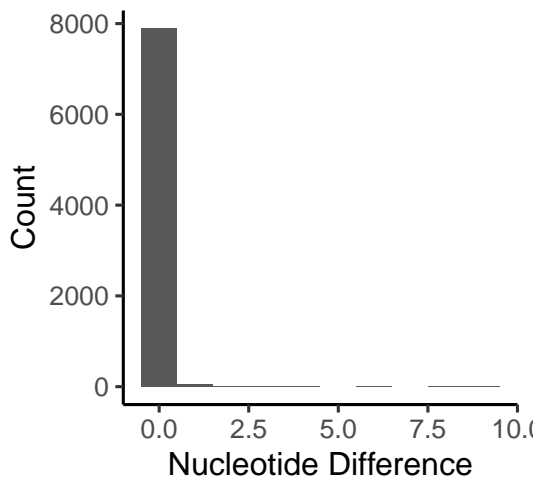
### TRBV16\*ap01

157 sequences assigned  
157 (100%) exact matches, in which:  
154 unique CDR3  
13 unique J



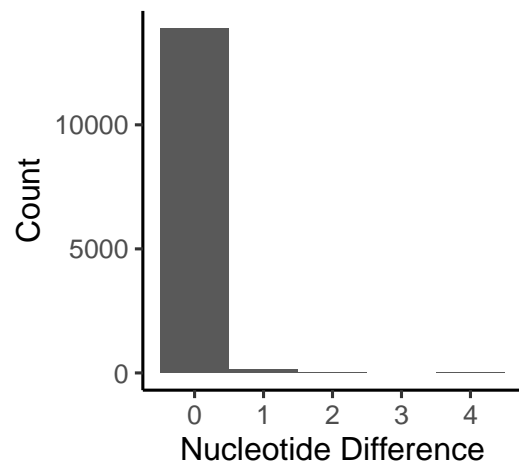
### TRBV19\*ap01

7965 sequences assigned  
7894 (99.1%) exact matches, in which:  
7864 unique CDR3  
13 unique J



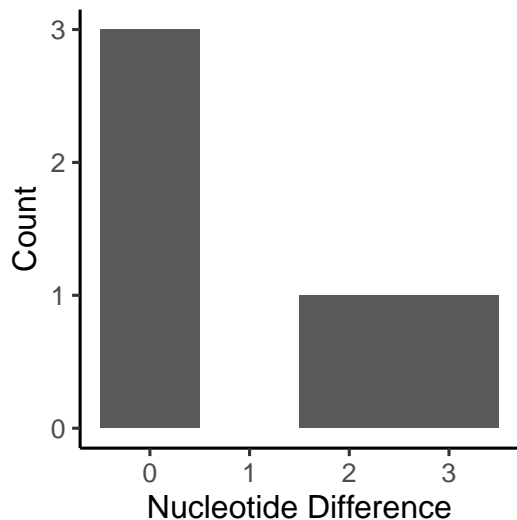
### TRBV28\*ap01

14045 sequences assigned  
13897 (98.9%) exact matches, in which:  
13800 unique CDR3  
13 unique J



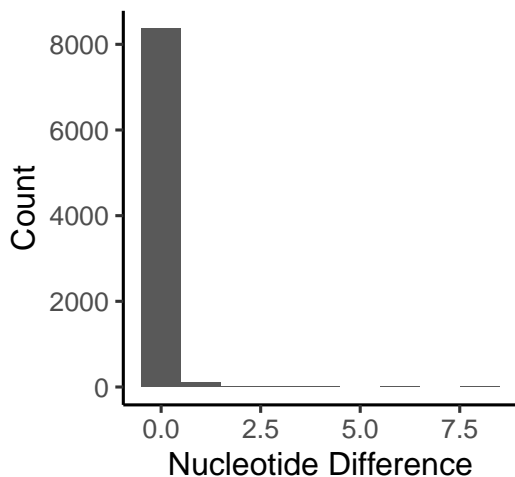
### TRBV17\*ap01

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
3 unique J



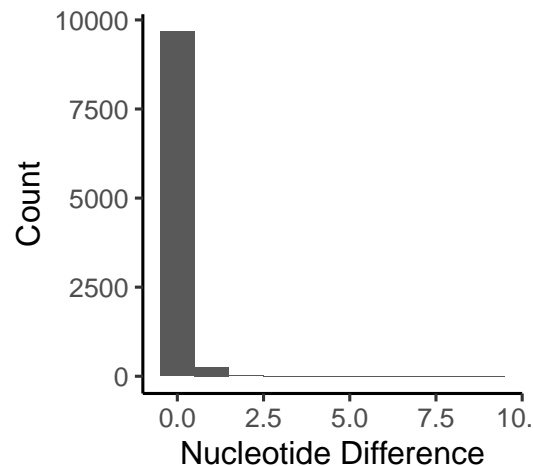
### TRBV2\*ap01

8474 sequences assigned  
8364 (98.7%) exact matches, in which:  
8290 unique CDR3  
13 unique J



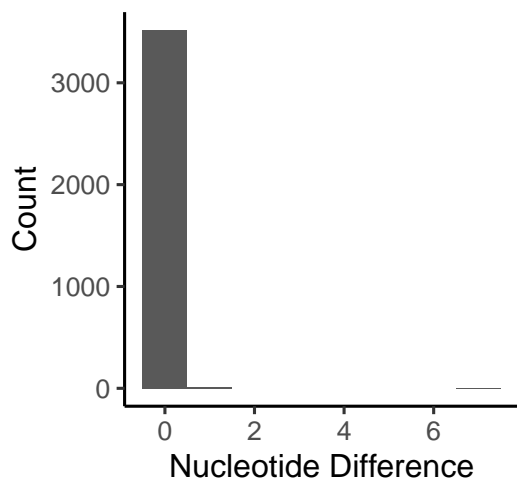
### TRBV30\*ap01

9965 sequences assigned  
9676 (97.1%) exact matches, in which:  
9424 unique CDR3  
13 unique J



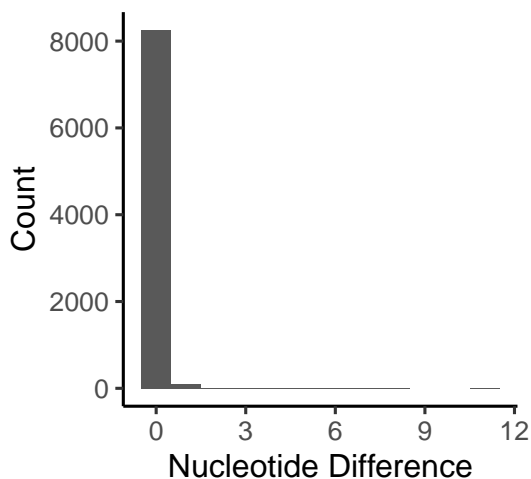
### TRBV18\*ap01

3531 sequences assigned  
3518 (99.6%) exact matches, in which:  
3511 unique CDR3  
13 unique J



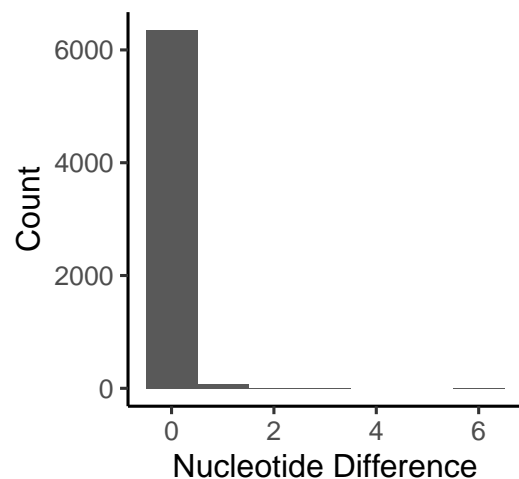
### TRBV27\*ap01

8388 sequences assigned  
8255 (98.4%) exact matches, in which:  
8198 unique CDR3  
13 unique J



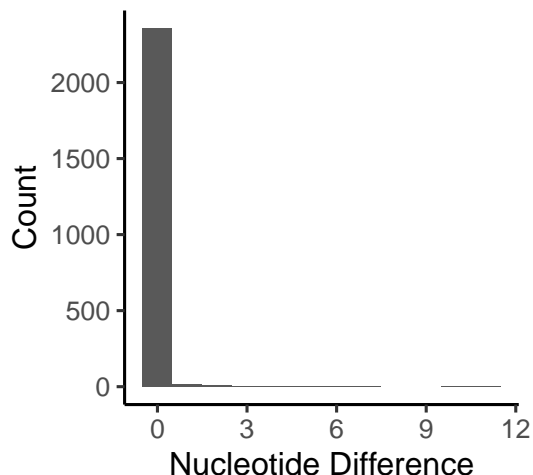
### TRBV9\*ap01

6434 sequences assigned  
6352 (98.7%) exact matches, in which:  
6313 unique CDR3  
13 unique J



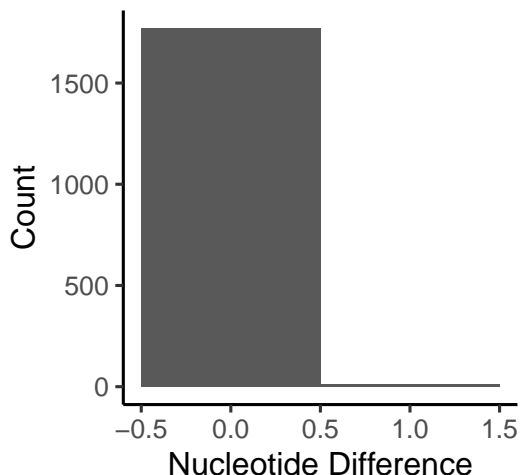
### TRBV21-1\*ap01

2390 sequences assigned  
2356 (98.6%) exact matches, in which:  
2346 unique CDR3  
13 unique J



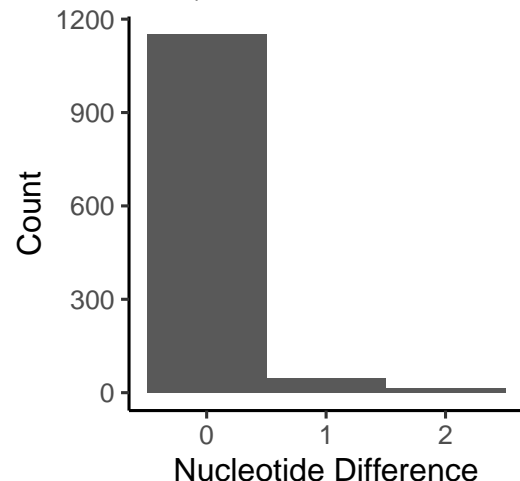
### TRBV11-3\*ap01

1780 sequences assigned  
1770 (99.4%) exact matches, in which:  
1764 unique CDR3  
13 unique J



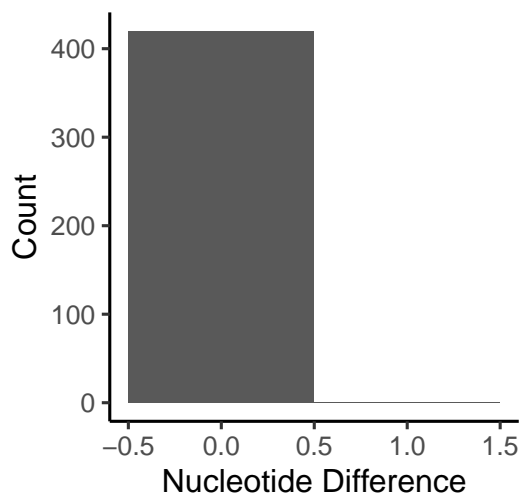
### TRBV12-5\*ap01

1212 sequences assigned  
1151 (95%) exact matches, in which:  
1137 unique CDR3  
13 unique J



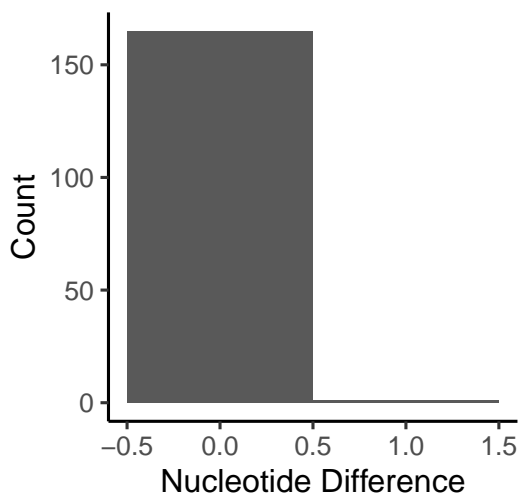
### TRBV11-1\*ap01

421 sequences assigned  
420 (99.8%) exact matches, in which:  
418 unique CDR3  
13 unique J



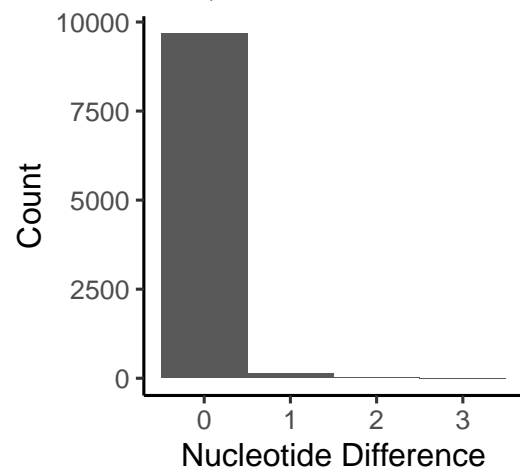
### TRBV12-1\*ap01

166 sequences assigned  
165 (99.4%) exact matches, in which:  
165 unique CDR3  
13 unique J



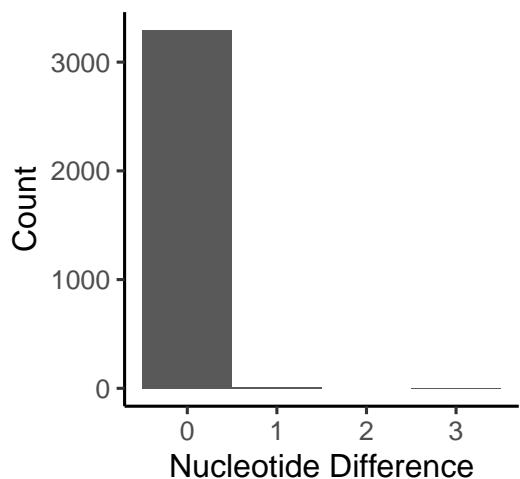
### TRBV12-34\*ap01

9847 sequences assigned  
9678 (98.3%) exact matches, in which:  
9591 unique CDR3  
13 unique J



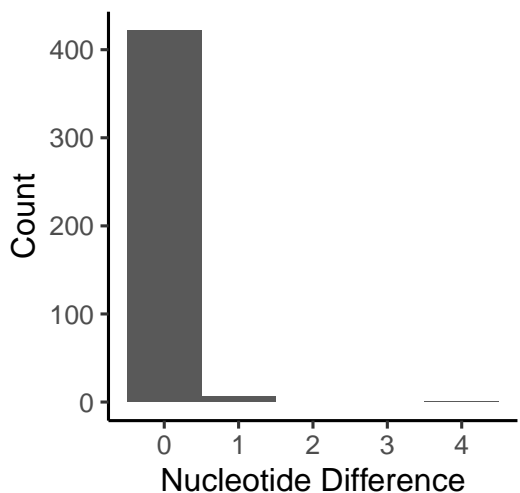
### TRBV11-2\*ap01

3311 sequences assigned  
3295 (99.5%) exact matches, in which:  
3277 unique CDR3  
13 unique J



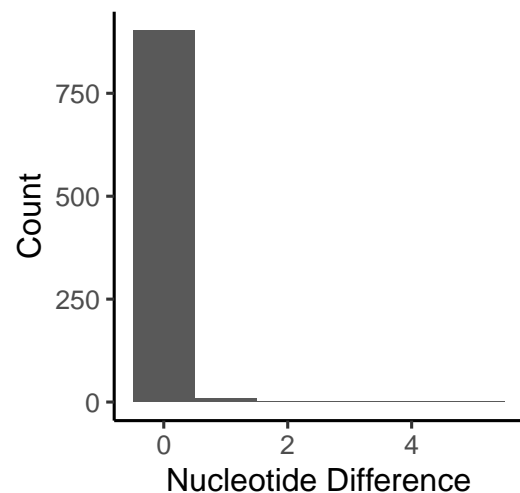
### TRBV12-2\*ap01

429 sequences assigned  
422 (98.4%) exact matches, in which:  
418 unique CDR3  
13 unique J



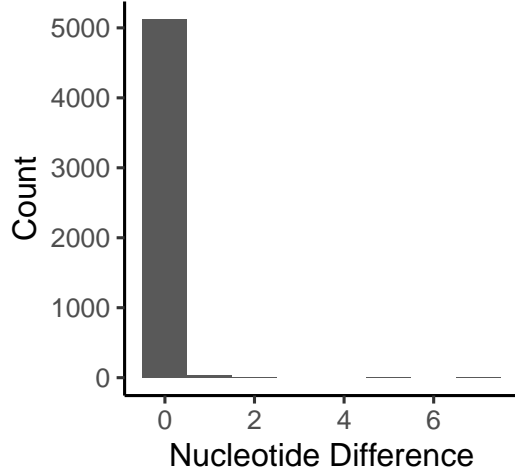
### TRBV23-1\*ap01

917 sequences assigned  
903 (98.5%) exact matches, in which:  
900 unique CDR3  
13 unique J



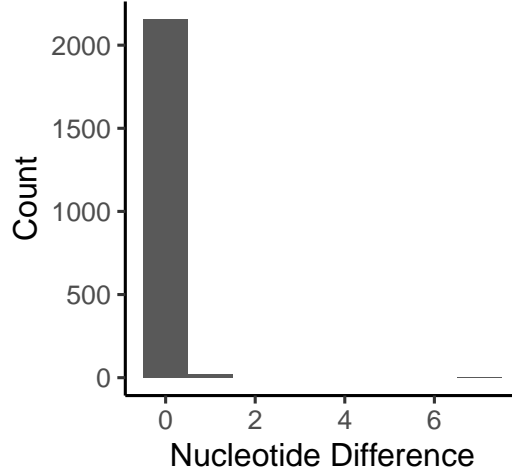
### TRBV3-12\*ap01

5163 sequences assigned  
5121 (99.2%) exact matches, in which:  
5095 unique CDR3  
13 unique J



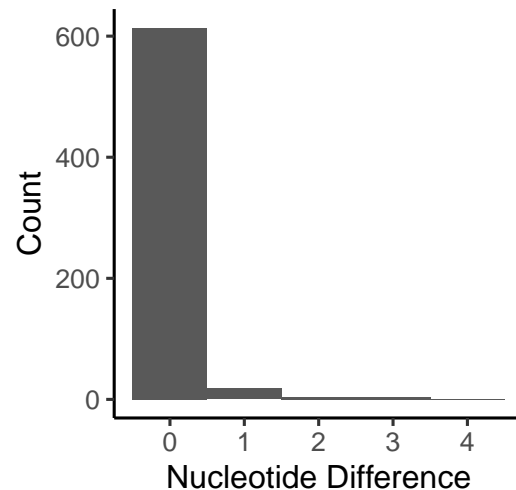
### TRBV4-2\*ap01

2180 sequences assigned  
2155 (98.9%) exact matches, in which:  
2128 unique CDR3  
13 unique J



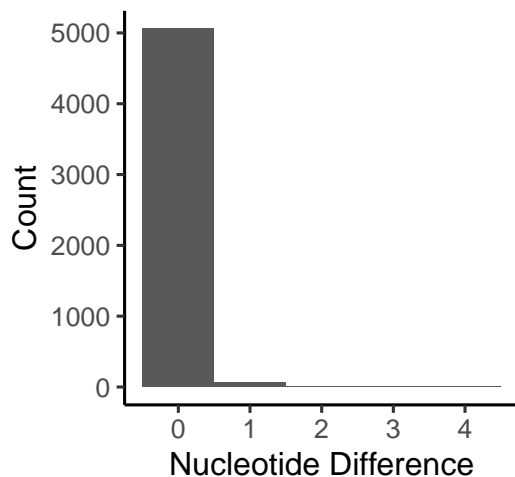
### TRBV5-3\*ap01

641 sequences assigned  
614 (95.8%) exact matches, in which:  
604 unique CDR3  
13 unique J



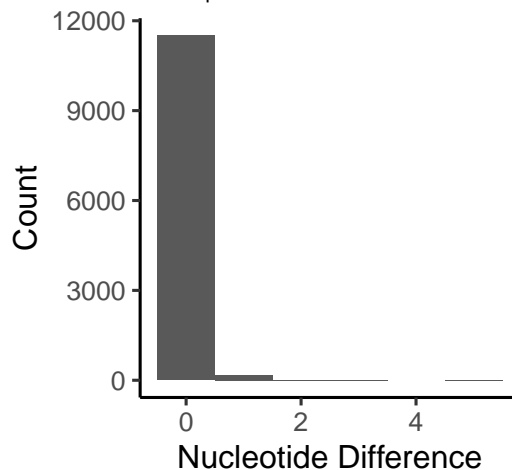
### TRBV24-1\*ap01

5135 sequences assigned  
5059 (98.5%) exact matches, in which:  
4986 unique CDR3  
14 unique J



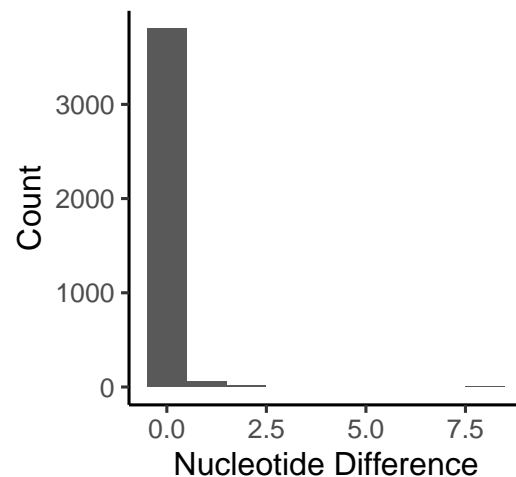
### TRBV5-1\*ap01

11702 sequences assigned  
11509 (98.4%) exact matches, in which:  
11389 unique CDR3  
13 unique J



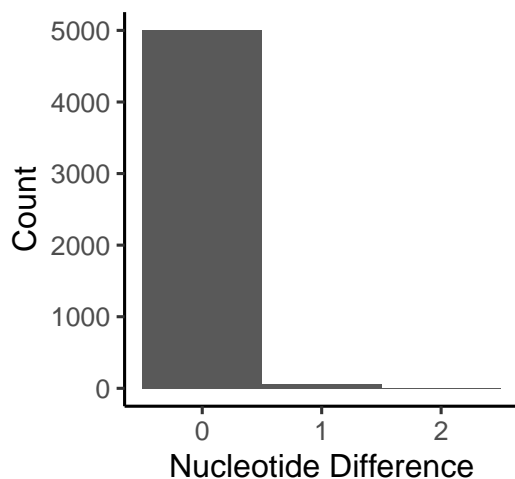
### TRBV5-4\*ap01

3874 sequences assigned  
3803 (98.2%) exact matches, in which:  
3752 unique CDR3  
13 unique J



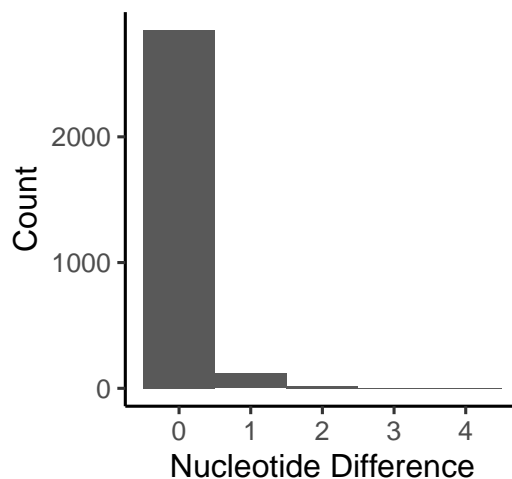
### TRBV4-1\*ap01

5068 sequences assigned  
5005 (98.8%) exact matches, in which:  
4945 unique CDR3  
13 unique J



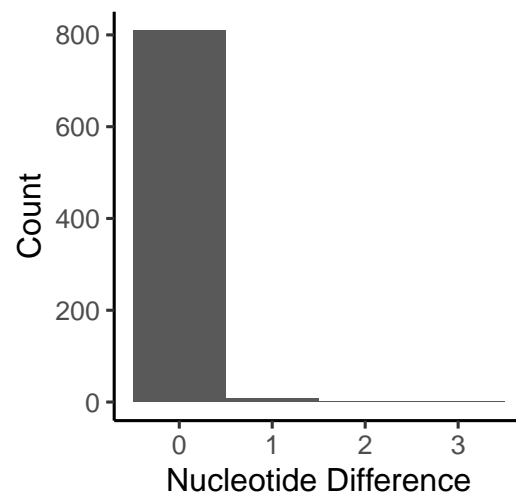
### TRBV25-1\*ap01

2987 sequences assigned  
2849 (95.4%) exact matches, in which:  
2787 unique CDR3  
13 unique J



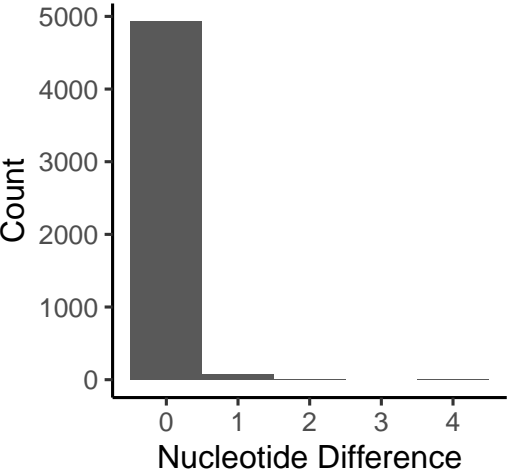
### TRBV5-5\*ap01

820 sequences assigned  
810 (98.8%) exact matches, in which:  
806 unique CDR3  
13 unique J



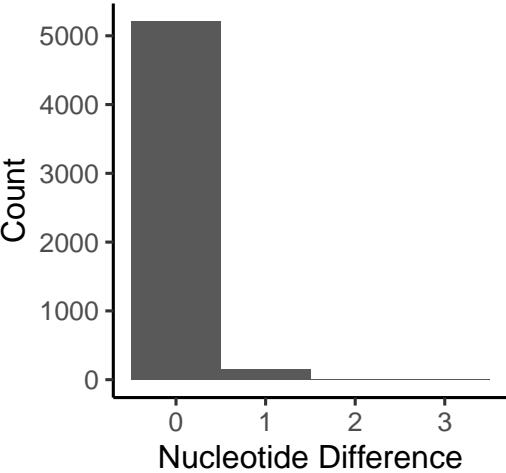
TRBV5-6\*ap01

5014 sequences assigned  
4931 (98.3%) exact matches, in which:  
4846 unique CDR3  
13 unique J



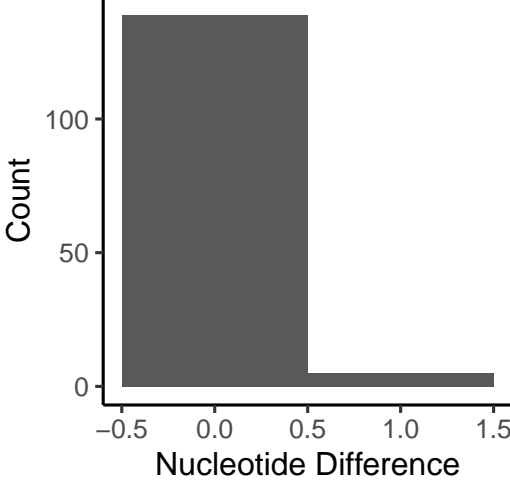
TRBV6-1\*ap01

5369 sequences assigned  
5209 (97%) exact matches, in which:  
5123 unique CDR3  
13 unique J



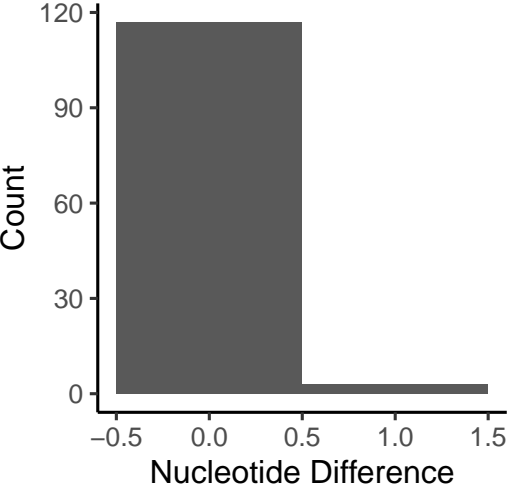
TRBV6-8\*ap01

144 sequences assigned  
139 (96.5%) exact matches, in which:  
138 unique CDR3  
12 unique J



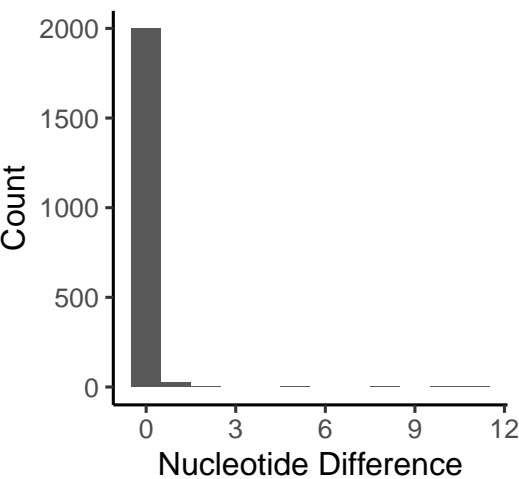
TRBV5-7\*ap01

120 sequences assigned  
117 (97.5%) exact matches, in which:  
113 unique CDR3  
12 unique J



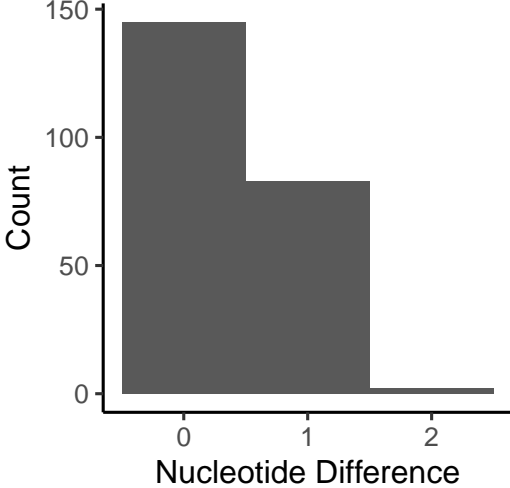
TRBV6-4\*ap01

2030 sequences assigned  
1998 (98.4%) exact matches, in which:  
1980 unique CDR3  
13 unique J



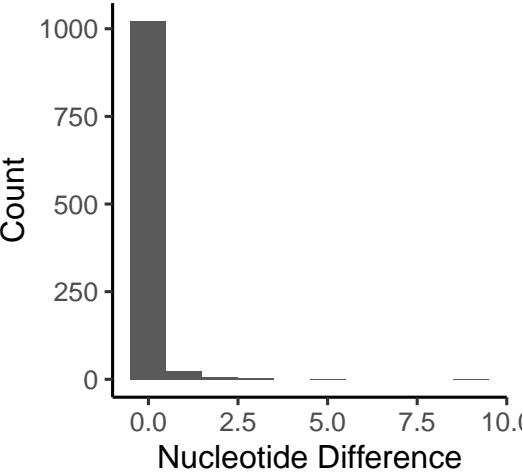
TRBV6-9\*ap01

230 sequences assigned  
145 (63%) exact matches, in which:  
142 unique CDR3  
13 unique J



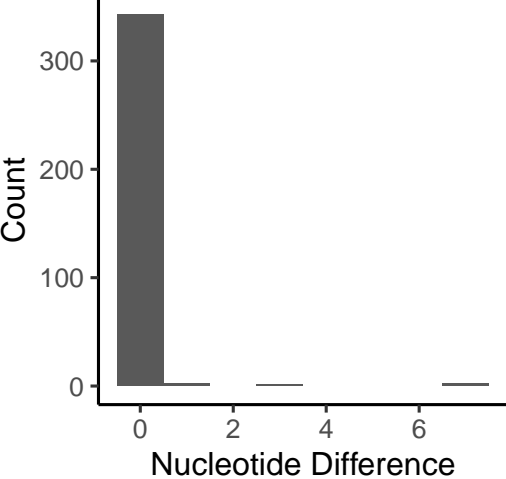
TRBV5-8\*ap01

1057 sequences assigned  
1022 (96.7%) exact matches, in which:  
1015 unique CDR3  
13 unique J



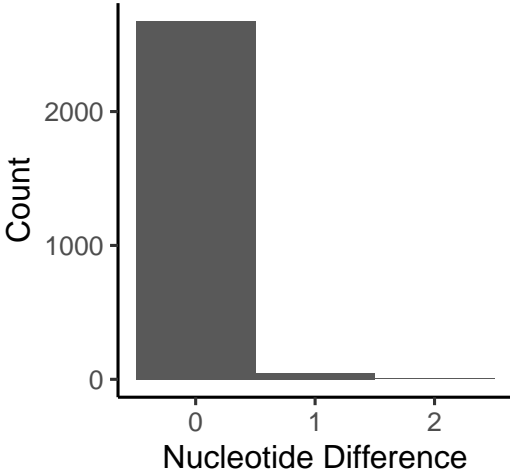
TRBV6-7\*ap01

348 sequences assigned  
343 (98.6%) exact matches, in which:  
337 unique CDR3  
13 unique J



TRBV6-23\*ap01

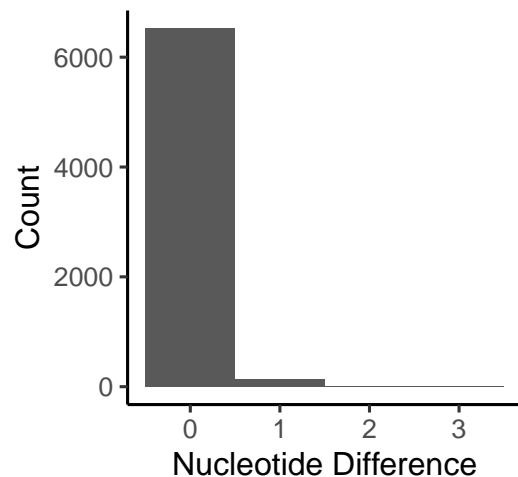
2729 sequences assigned  
2676 (98.1%) exact matches, in which:  
2624 unique CDR3  
13 unique J





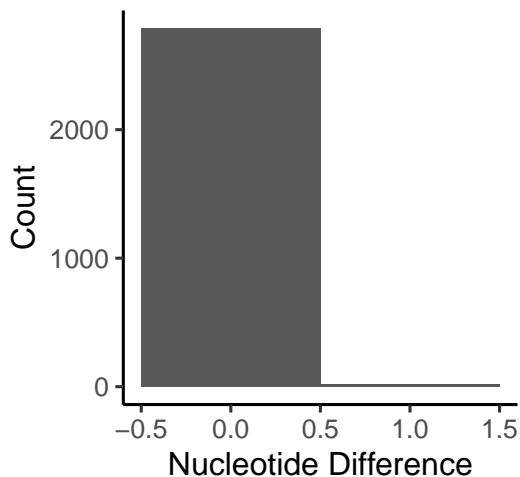
### TRBV6-56\*ap01

6690 sequences assigned  
6524 (97.5%) exact matches, in which:  
6406 unique CDR3  
13 unique J



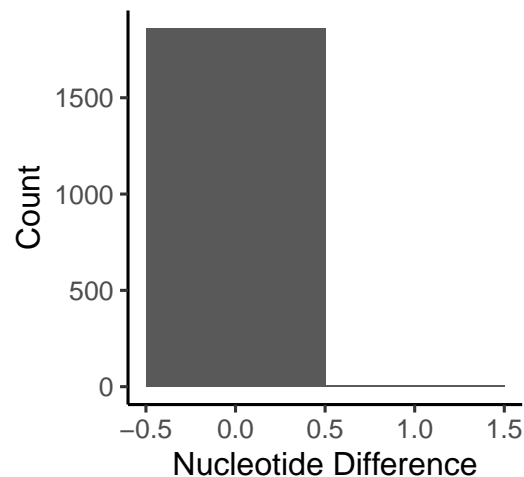
### TRBV7-2\*ap01

2809 sequences assigned  
2788 (99.3%) exact matches, in which:  
2776 unique CDR3  
13 unique J



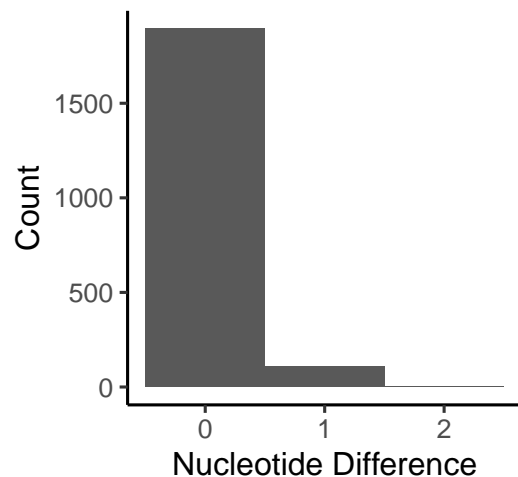
### TRBV7-6\*ap01

1869 sequences assigned  
1860 (99.5%) exact matches, in which:  
1844 unique CDR3  
13 unique J



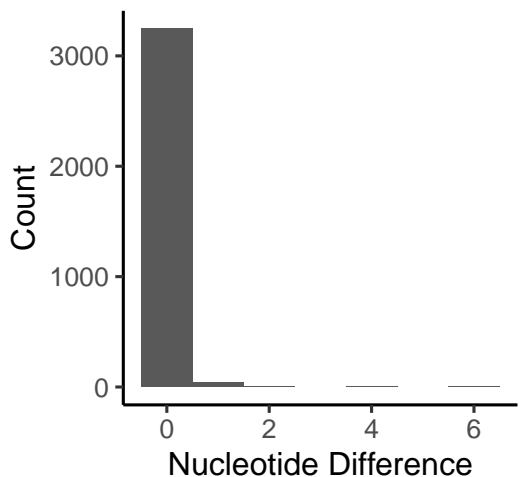
### TRBV6-56\*ap02

2007 sequences assigned  
1894 (94.4%) exact matches, in which:  
1869 unique CDR3  
13 unique J



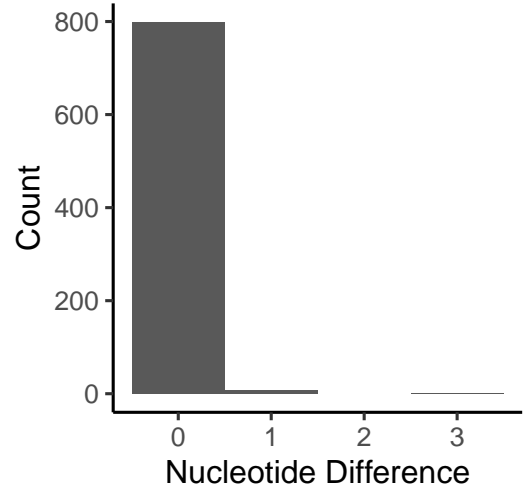
### TRBV7-3\*ap01

3293 sequences assigned  
3246 (98.6%) exact matches, in which:  
3228 unique CDR3  
13 unique J



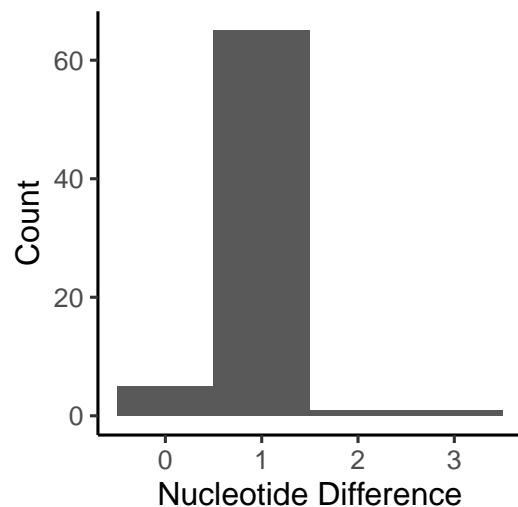
### TRBV7-7\*ap01\_C315T

807 sequences assigned  
799 (99%) exact matches, in which:  
790 unique CDR3  
13 unique J



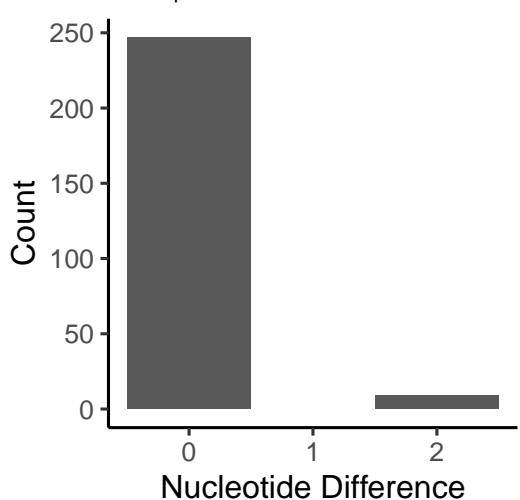
### TRBV7-1\*ap01\_T296C

72 sequences assigned  
5 (6.9%) exact matches, in which:  
5 unique CDR3  
4 unique J



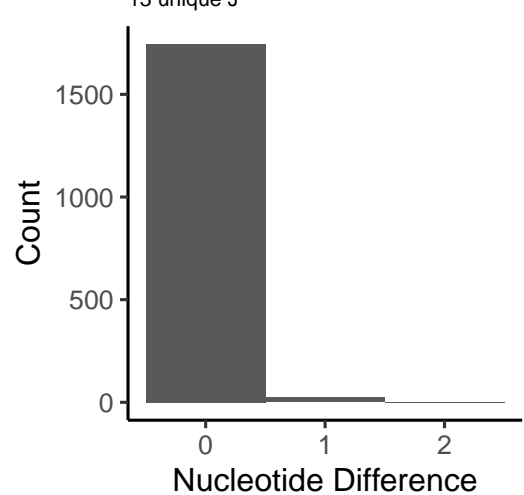
### TRBV7-4\*ap01

256 sequences assigned  
247 (96.5%) exact matches, in which:  
242 unique CDR3  
13 unique J



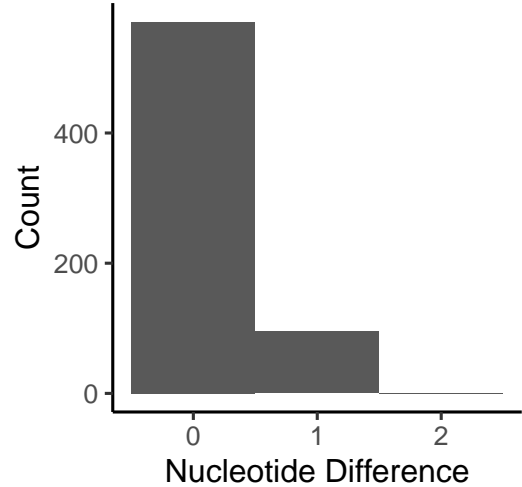
### TRBV7-8\*ap01

1771 sequences assigned  
1745 (98.5%) exact matches, in which:  
1733 unique CDR3  
13 unique J



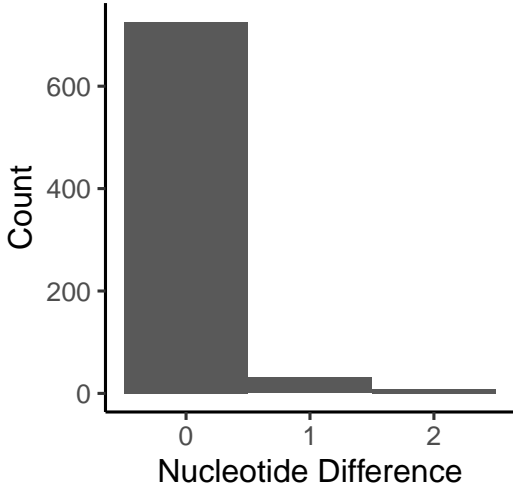
TRBV7-8\*ap03

667 sequences assigned  
571 (85.6%) exact matches, in which:  
571 unique CDR3  
13 unique J



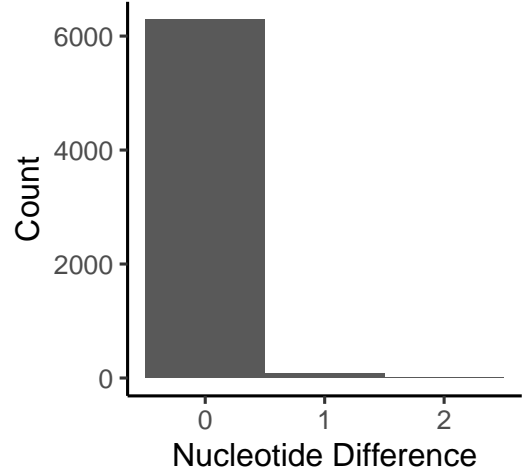
TRBV29-1\*ap02

765 sequences assigned  
726 (94.9%) exact matches, in which:  
707 unique CDR3  
13 unique J



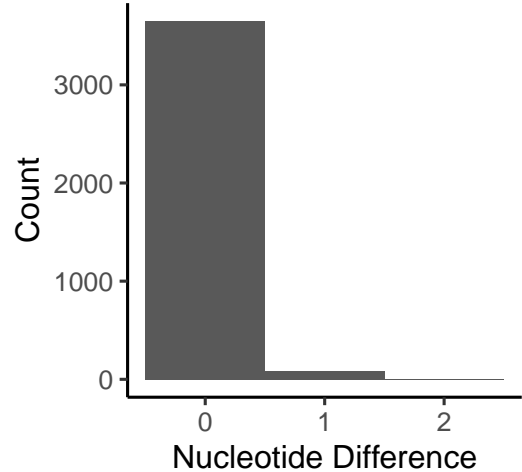
TRBV7-9\*ap01

6376 sequences assigned  
6287 (98.6%) exact matches, in which:  
6245 unique CDR3  
13 unique J

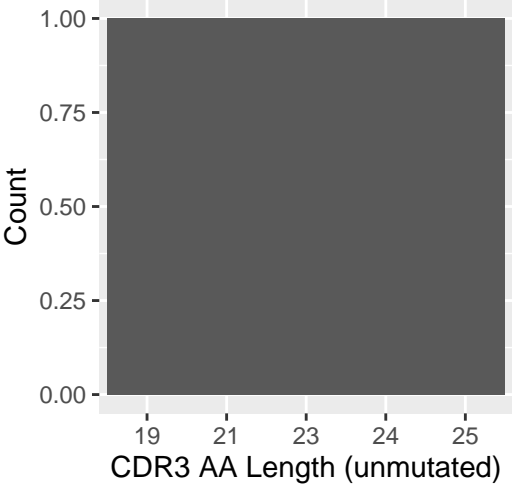


TRBV29-1\*ap01

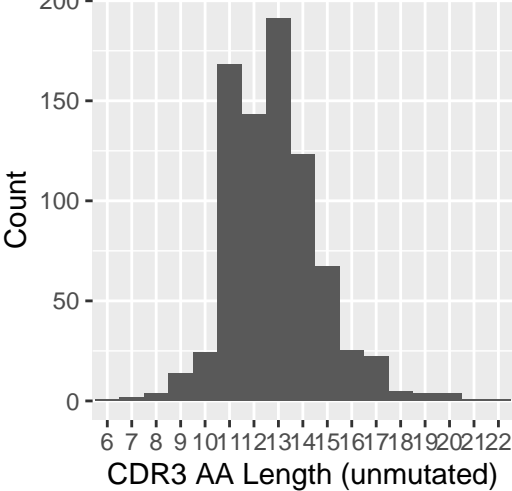
3741 sequences assigned  
3650 (97.6%) exact matches, in which:  
3565 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]