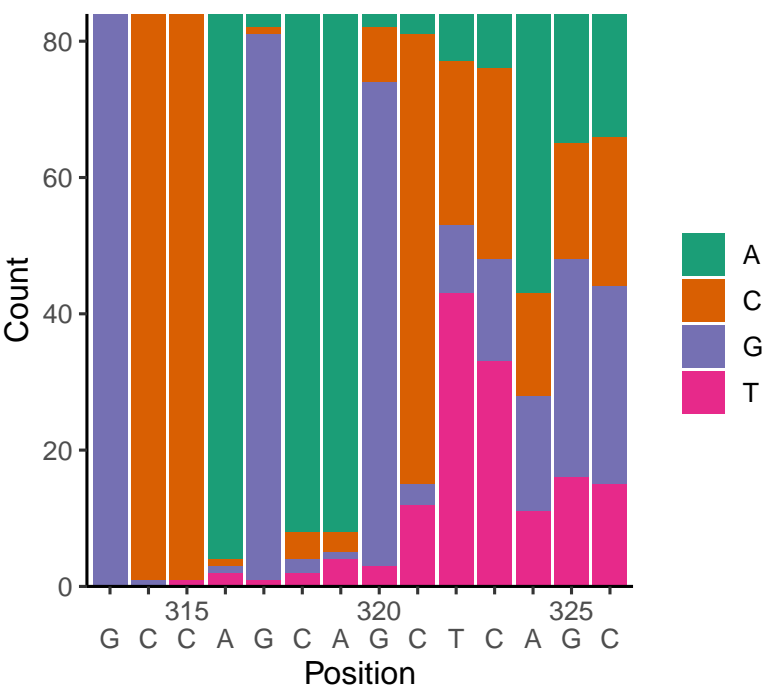
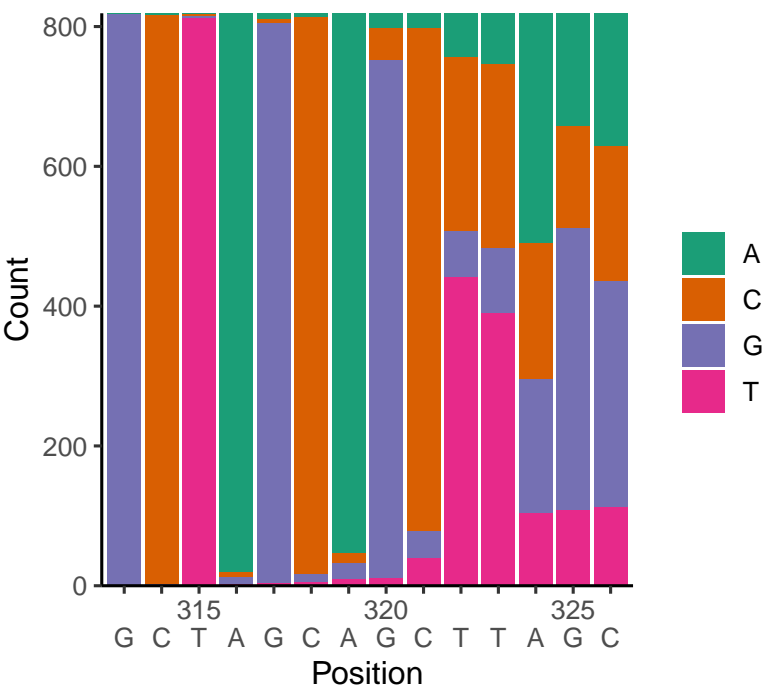


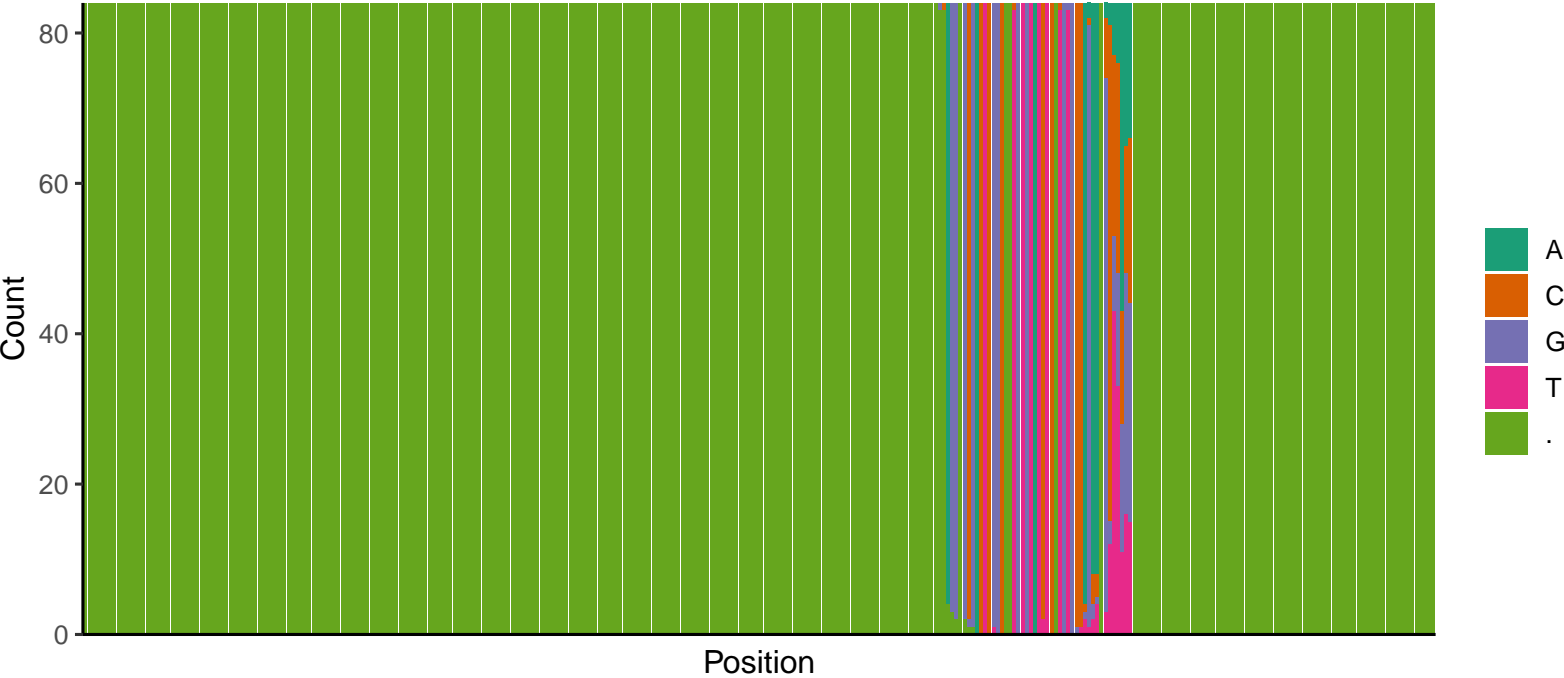
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



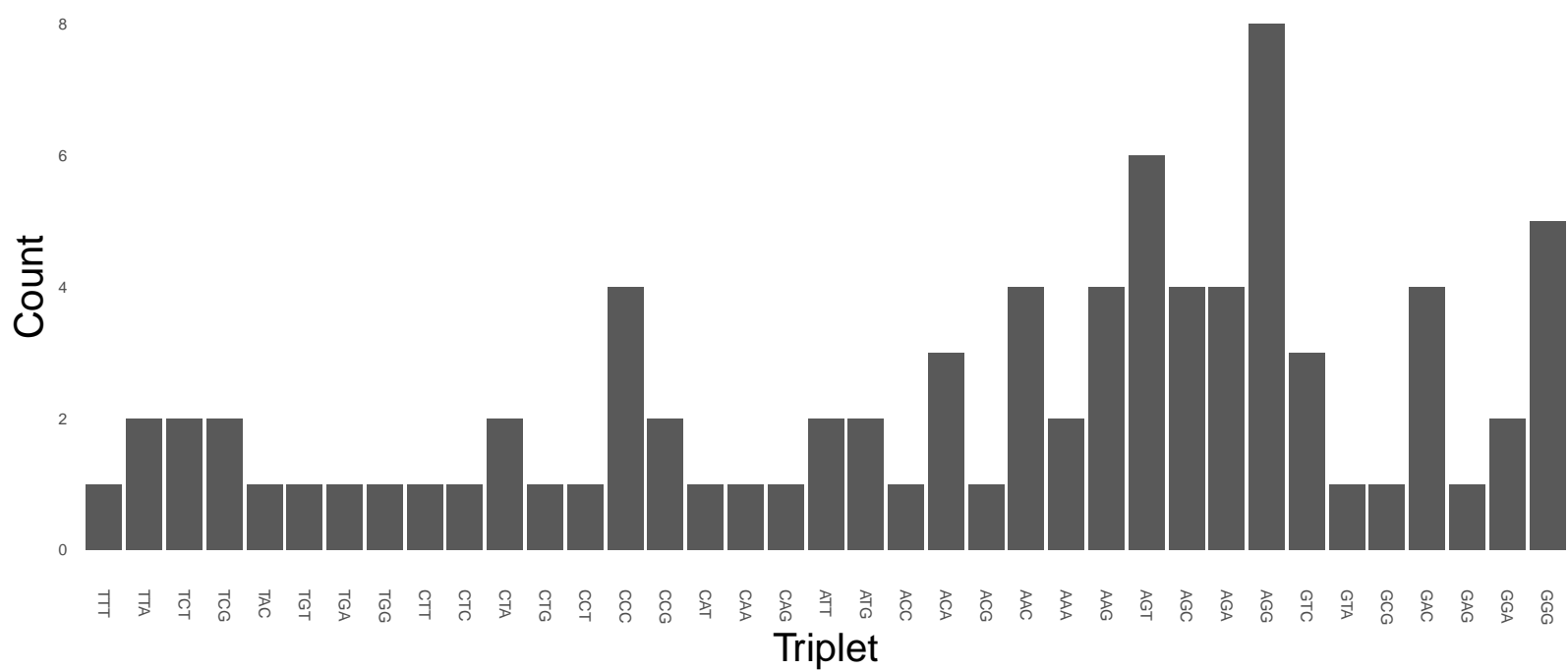
Gene TRBV7-1\*ap01\_G291C\_T296C



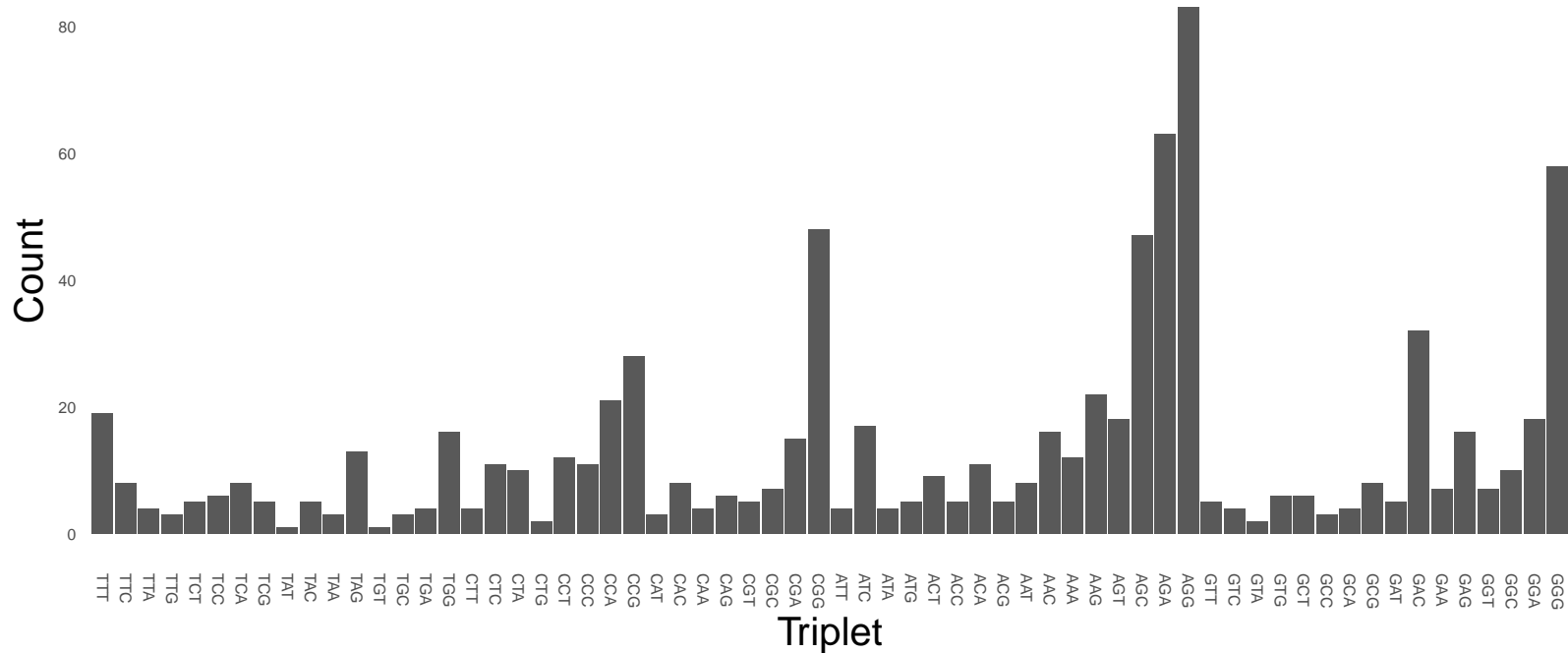
Gene TRBV7-7\*ap01\_C315T



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

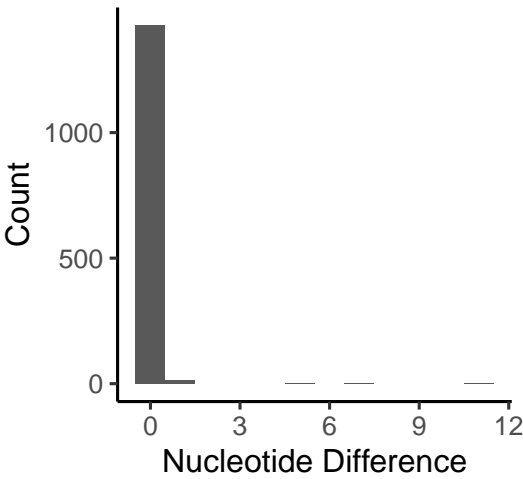


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



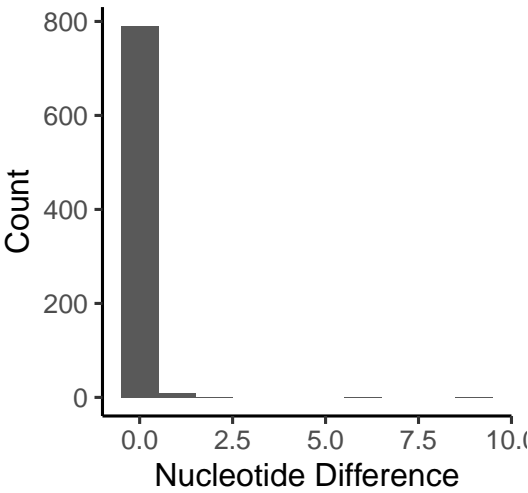
TRBV10-1\*ap01

1446 sequences assigned  
1427 (98.7%) exact matches, in which:  
1416 unique CDR3  
14 unique J



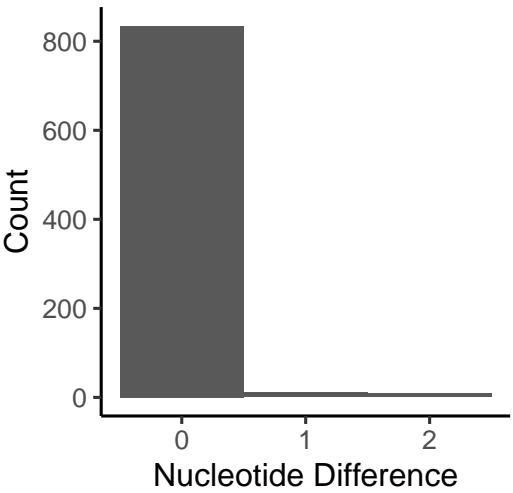
TRBV10-2\*ap01

803 sequences assigned  
791 (98.5%) exact matches, in which:  
779 unique CDR3  
14 unique J



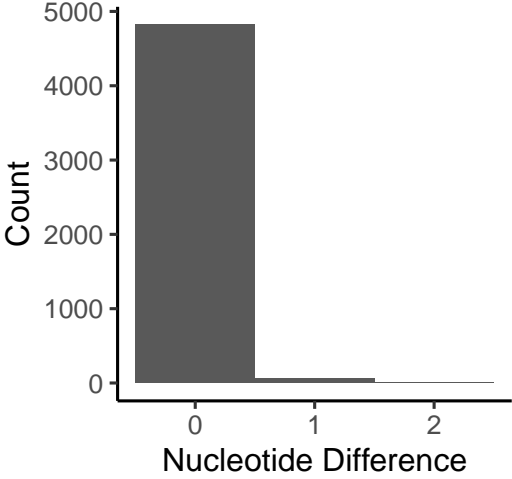
TRBV13\*ap01

855 sequences assigned  
835 (97.7%) exact matches, in which:  
826 unique CDR3  
14 unique J



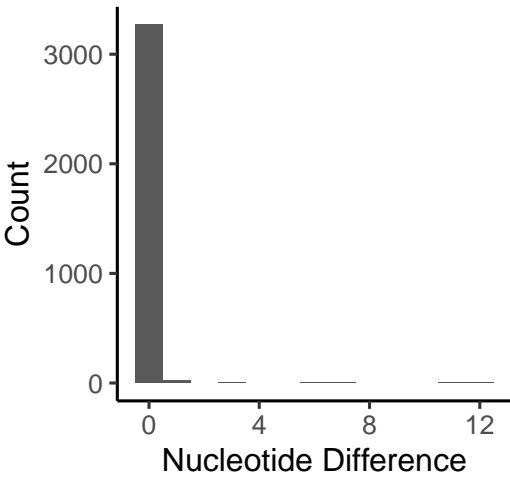
TRBV20-1\*ap01

4885 sequences assigned  
4821 (98.7%) exact matches, in which:  
4763 unique CDR3  
14 unique J



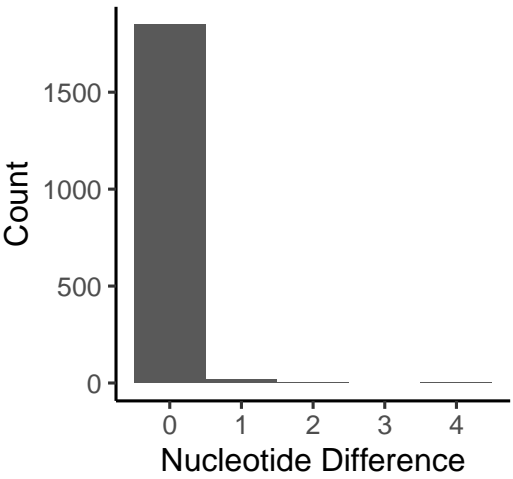
TRBV10-3\*ap01

3298 sequences assigned  
3269 (99.1%) exact matches, in which:  
3239 unique CDR3  
14 unique J



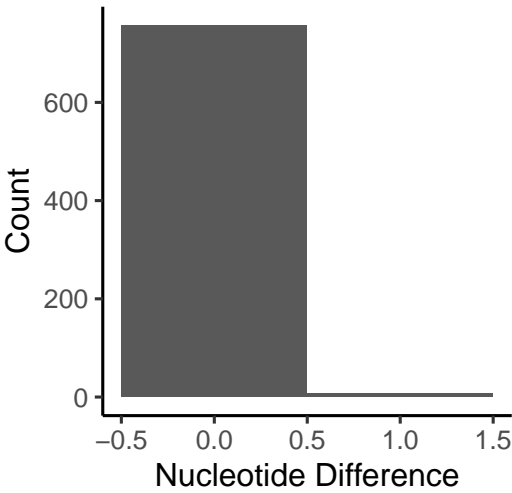
TRBV14\*ap01

1868 sequences assigned  
1848 (98.9%) exact matches, in which:  
1833 unique CDR3  
14 unique J



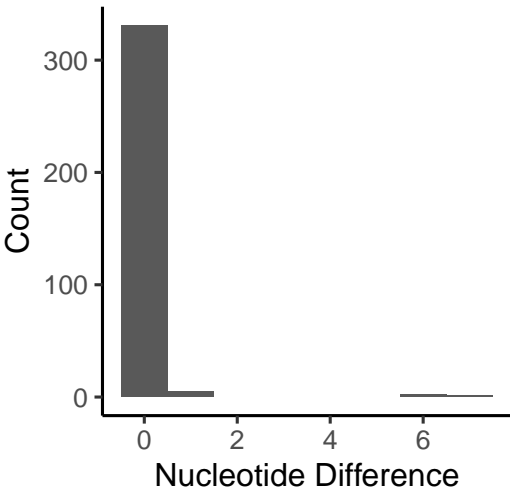
TRBV20-1\*ap02

765 sequences assigned  
757 (99%) exact matches, in which:  
748 unique CDR3  
14 unique J



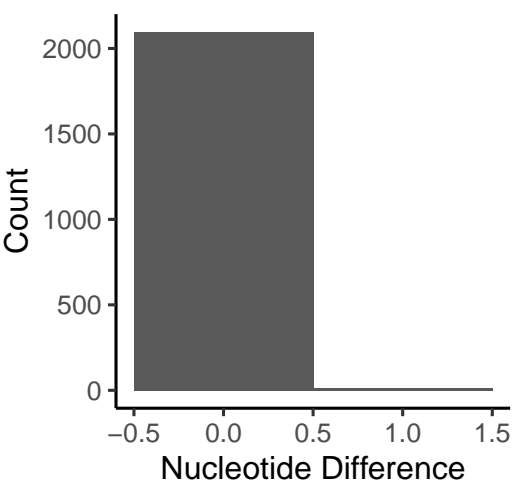
TRBV1\*ap01

339 sequences assigned  
331 (97.6%) exact matches, in which:  
326 unique CDR3  
14 unique J



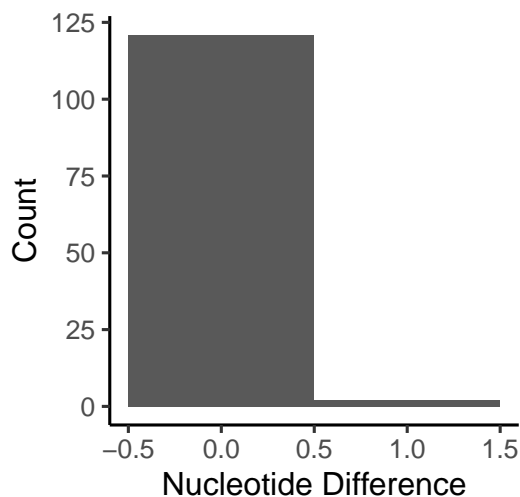
TRBV15\*ap02

2110 sequences assigned  
2096 (99.3%) exact matches, in which:  
2063 unique CDR3  
14 unique J



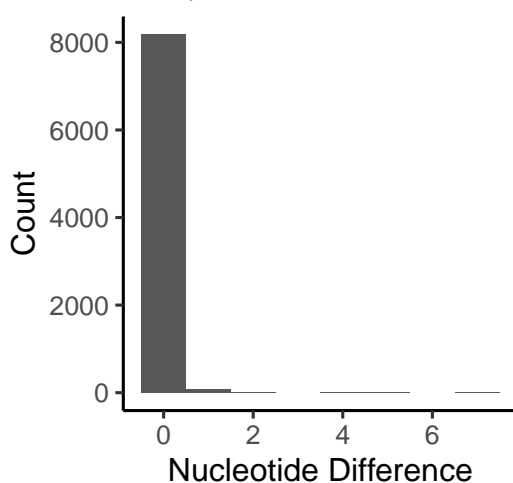
### TRBV16\*ap01

123 sequences assigned  
121 (98.4%) exact matches, in which:  
121 unique CDR3  
14 unique J



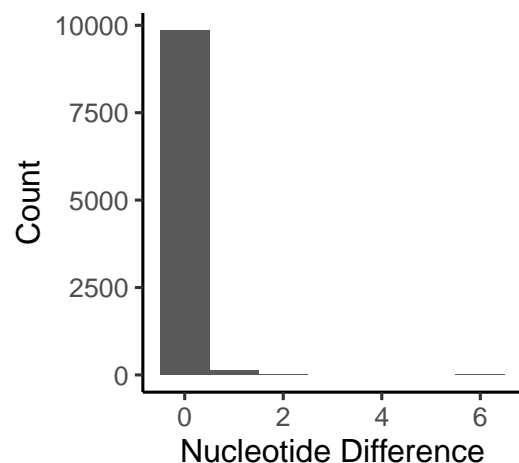
### TRBV19\*ap01

8273 sequences assigned  
8182 (98.9%) exact matches, in which:  
8137 unique CDR3  
14 unique J



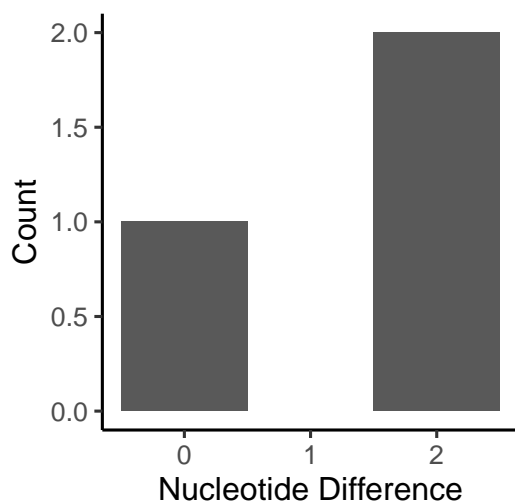
### TRBV28\*ap01

9999 sequences assigned  
9861 (98.6%) exact matches, in which:  
9763 unique CDR3  
14 unique J



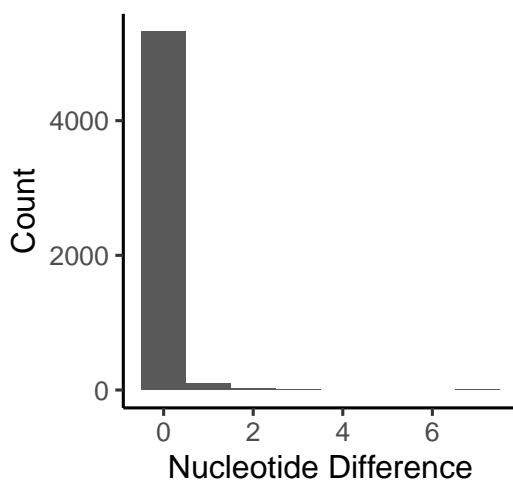
### TRBV17\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



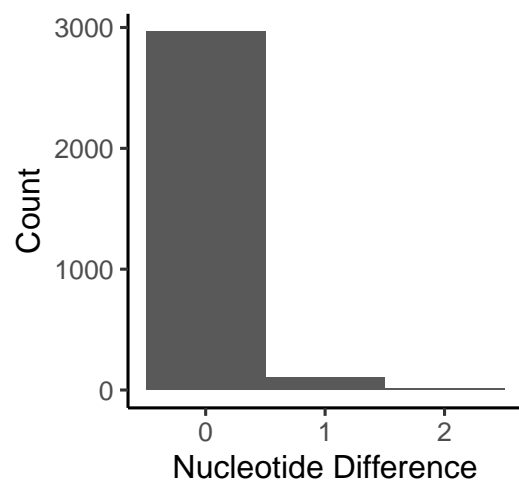
### TRBV2\*ap01

5448 sequences assigned  
5321 (97.7%) exact matches, in which:  
5246 unique CDR3  
14 unique J



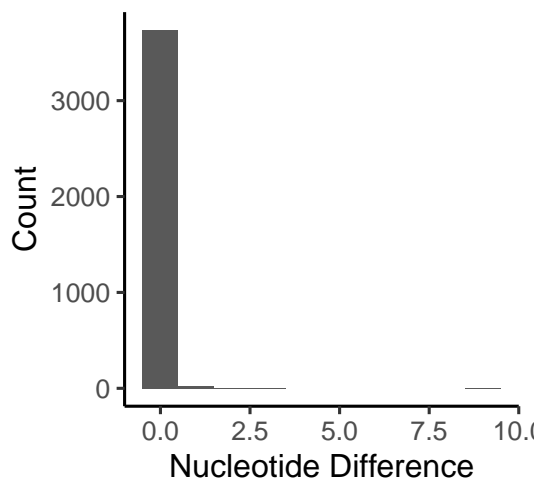
### TRBV30\*ap01

3083 sequences assigned  
2965 (96.2%) exact matches, in which:  
2889 unique CDR3  
14 unique J



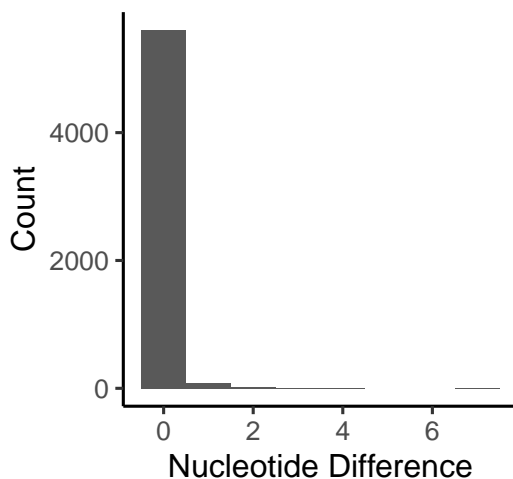
### TRBV18\*ap01

3764 sequences assigned  
3736 (99.3%) exact matches, in which:  
3712 unique CDR3  
14 unique J



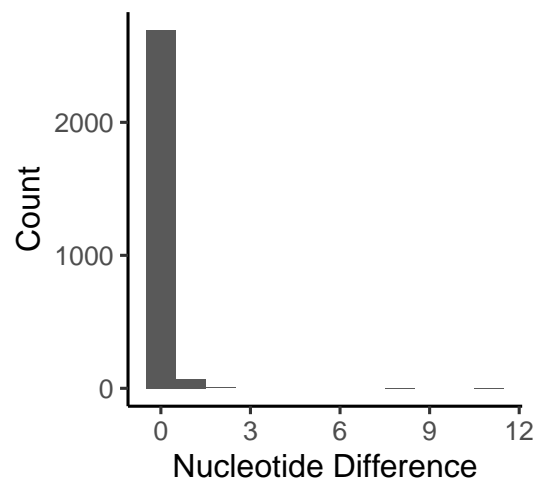
### TRBV27\*ap01

5710 sequences assigned  
5605 (98.2%) exact matches, in which:  
5551 unique CDR3  
14 unique J



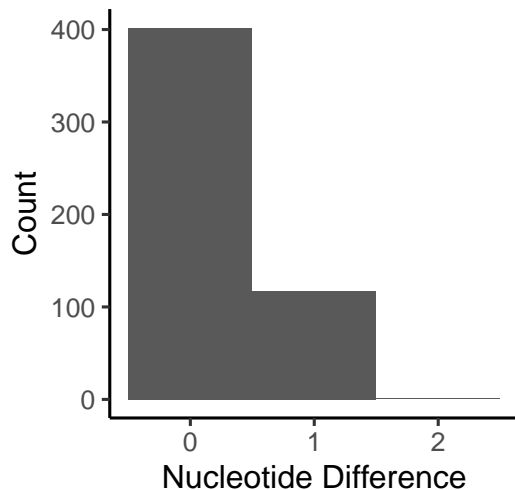
### TRBV30\*ap02

2774 sequences assigned  
2694 (97.1%) exact matches, in which:  
2662 unique CDR3  
14 unique J



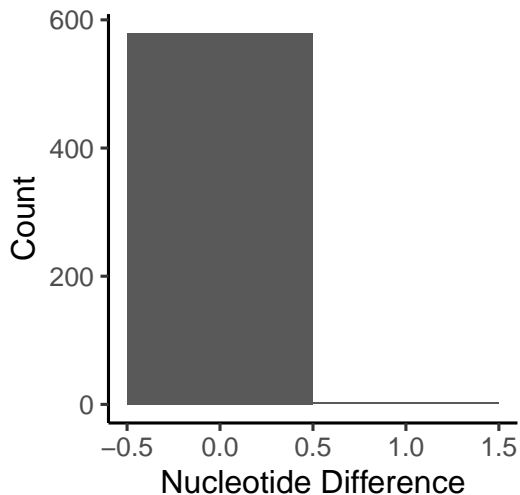
### TRBV30\*ap03

520 sequences assigned  
402 (77.3%) exact matches, in which:  
392 unique CDR3  
14 unique J



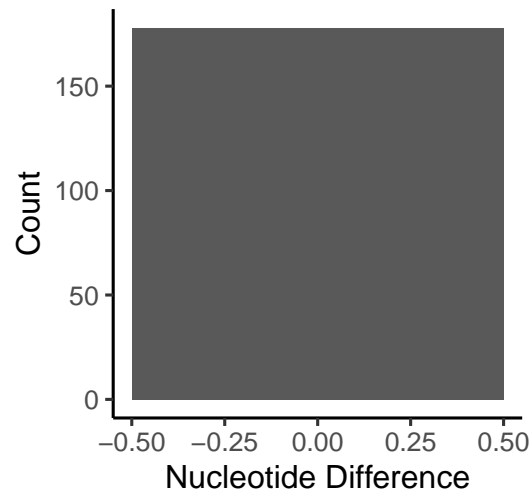
### TRBV11-1\*ap01

583 sequences assigned  
580 (99.5%) exact matches, in which:  
574 unique CDR3  
14 unique J



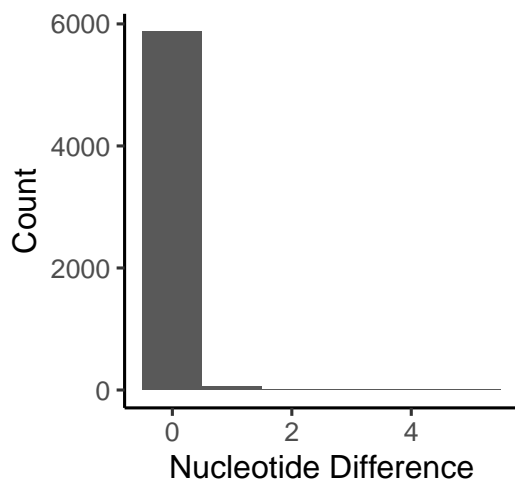
### TRBV12-1\*ap01

178 sequences assigned  
178 (100%) exact matches, in which:  
175 unique CDR3  
14 unique J



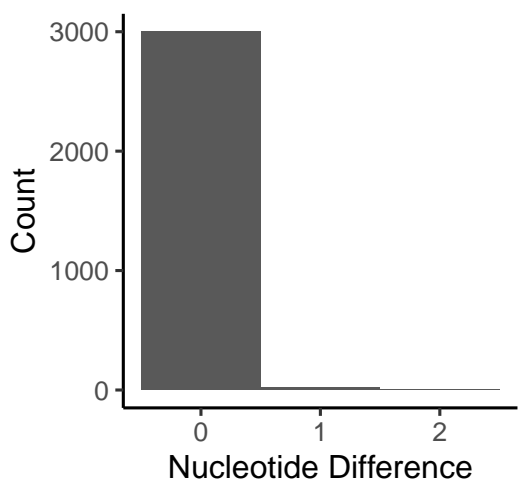
### TRBV9\*ap01

5937 sequences assigned  
5872 (98.9%) exact matches, in which:  
5833 unique CDR3  
14 unique J



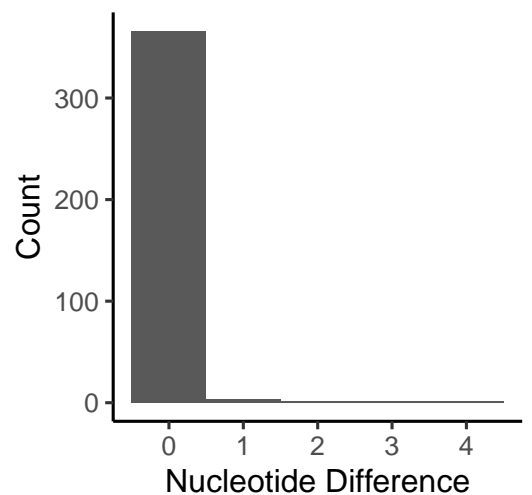
### TRBV11-2\*ap01

3018 sequences assigned  
3000 (99.4%) exact matches, in which:  
2981 unique CDR3  
14 unique J



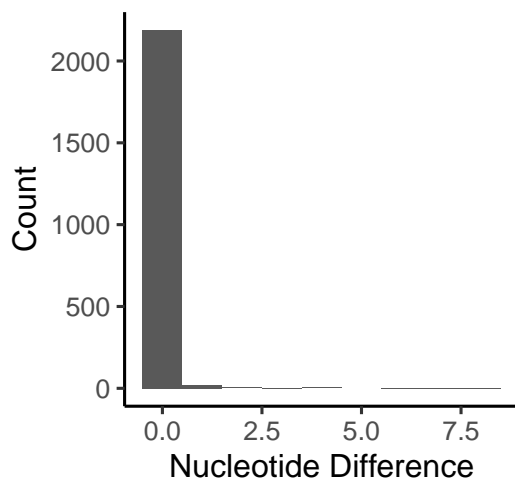
### TRBV12-2\*ap01

372 sequences assigned  
366 (98.4%) exact matches, in which:  
364 unique CDR3  
14 unique J



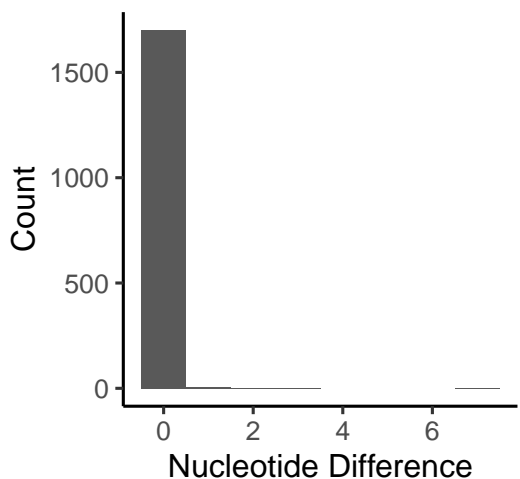
### TRBV21-1\*ap01

2222 sequences assigned  
2189 (98.5%) exact matches, in which:  
2176 unique CDR3  
14 unique J



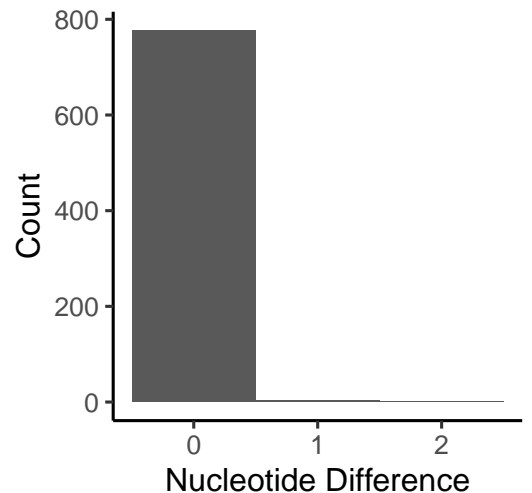
### TRBV11-3\*ap01

1711 sequences assigned  
1701 (99.4%) exact matches, in which:  
1691 unique CDR3  
14 unique J



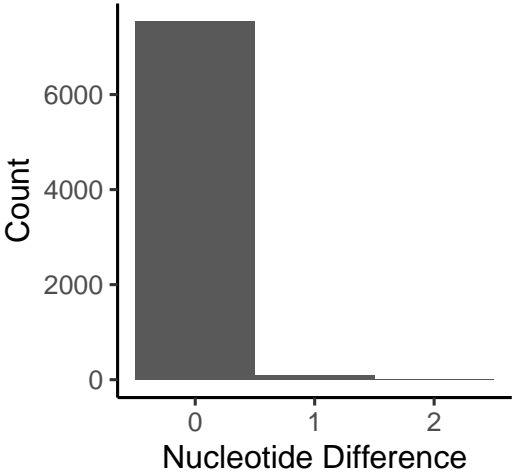
### TRBV12-5\*ap01

781 sequences assigned  
777 (99.5%) exact matches, in which:  
765 unique CDR3  
14 unique J



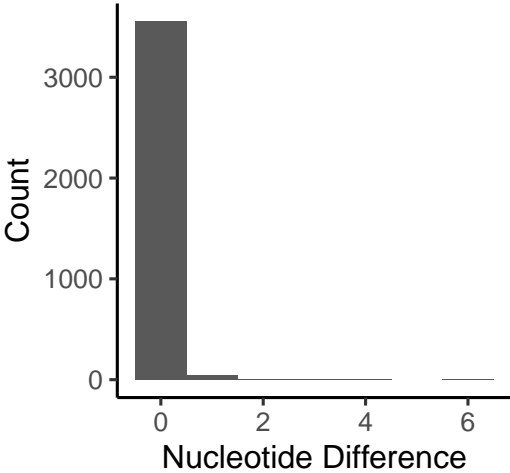
TRBV12-34\*ap01

7639 sequences assigned  
7539 (98.7%) exact matches, in which:  
7461 unique CDR3  
14 unique J



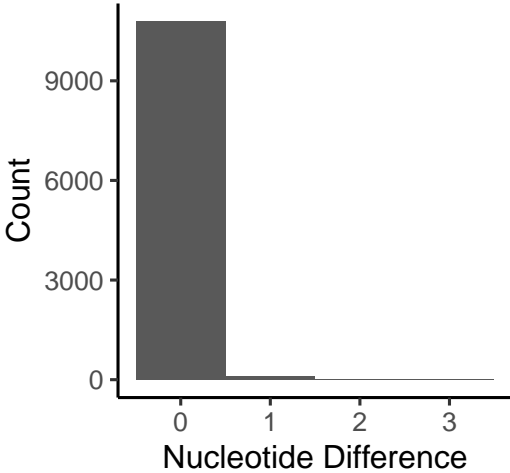
TRBV4-1\*ap01

3614 sequences assigned  
3554 (98.3%) exact matches, in which:  
3512 unique CDR3  
14 unique J



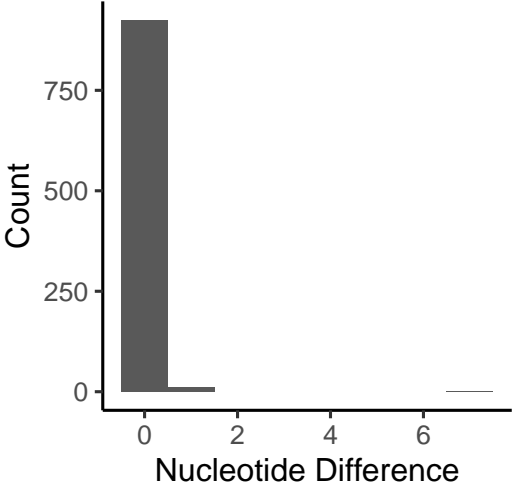
TRBV5-1\*ap01

10890 sequences assigned  
10789 (99.1%) exact matches, in which:  
10655 unique CDR3  
14 unique J



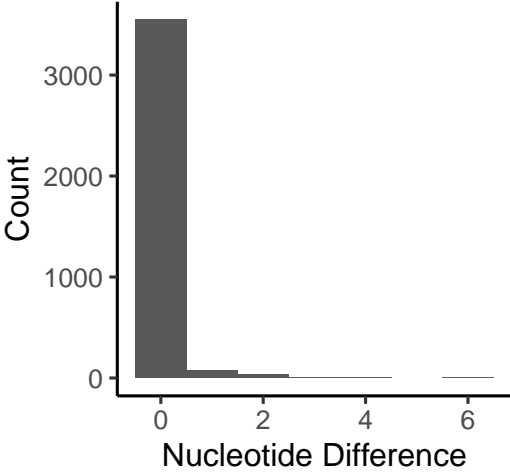
TRBV23-1\*ap01

936 sequences assigned  
925 (98.8%) exact matches, in which:  
917 unique CDR3  
14 unique J



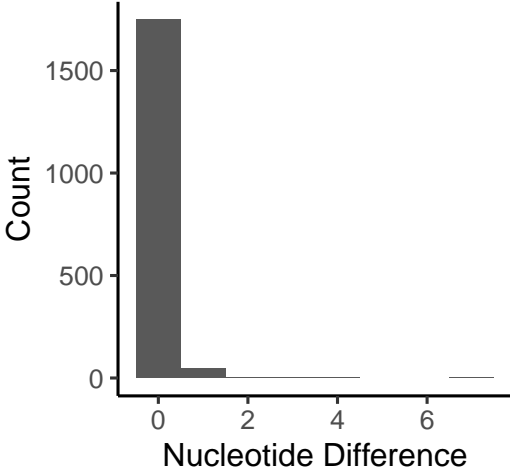
TRBV24-1\*ap01

3667 sequences assigned  
3548 (96.8%) exact matches, in which:  
3500 unique CDR3  
14 unique J



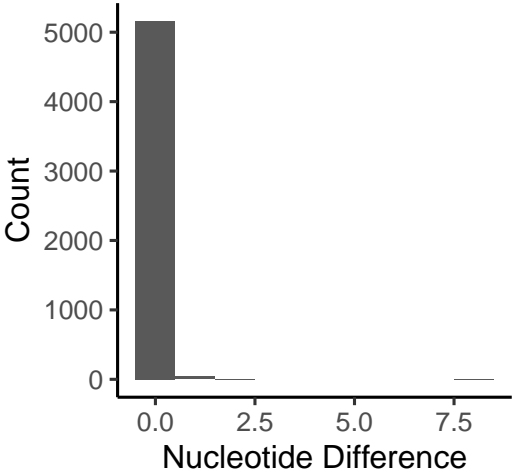
TRBV25-1\*ap01

1802 sequences assigned  
1748 (97%) exact matches, in which:  
1721 unique CDR3  
15 unique J



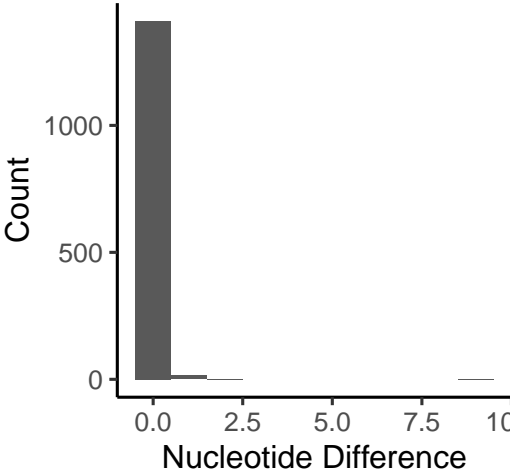
TRBV3-12\*ap01

5202 sequences assigned  
5161 (99.2%) exact matches, in which:  
5132 unique CDR3  
14 unique J



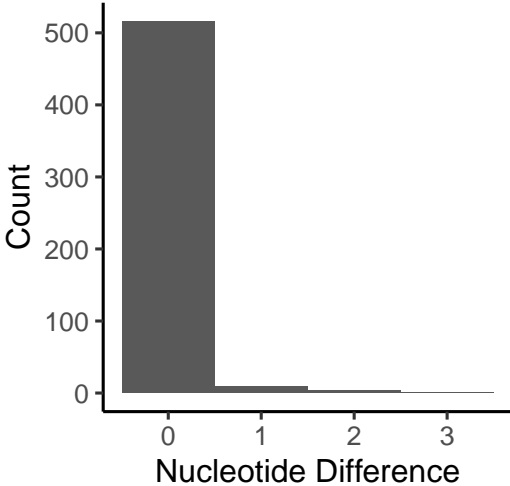
TRBV4-2\*ap01

1429 sequences assigned  
1411 (98.7%) exact matches, in which:  
1396 unique CDR3  
14 unique J



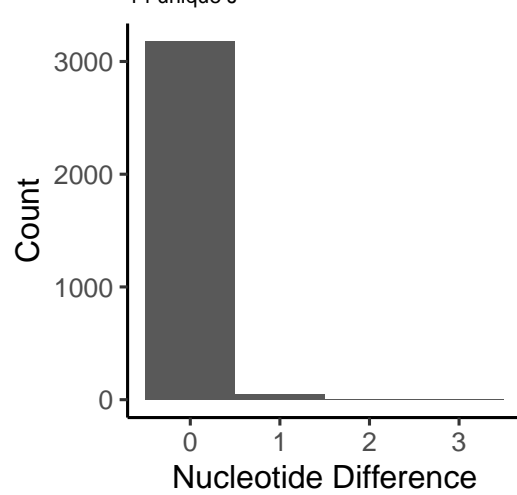
TRBV5-3\*ap01

529 sequences assigned  
516 (97.5%) exact matches, in which:  
507 unique CDR3  
14 unique J



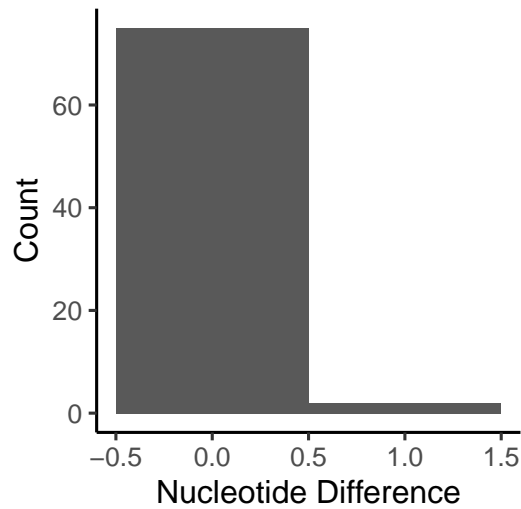
### TRBV5-4\*ap01

3229 sequences assigned  
3178 (98.4%) exact matches, in which:  
3139 unique CDR3  
14 unique J



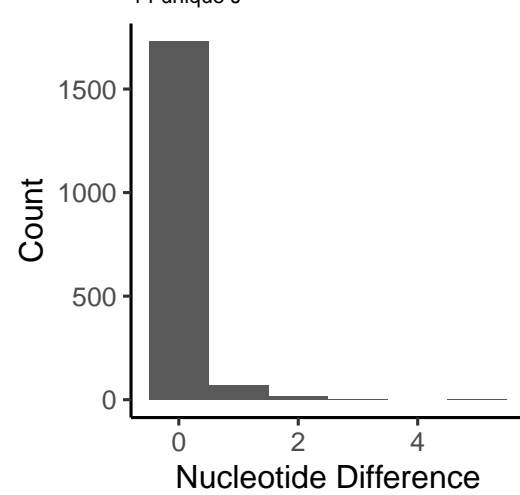
### TRBV5-7\*ap01

77 sequences assigned  
75 (97.4%) exact matches, in which:  
72 unique CDR3  
13 unique J



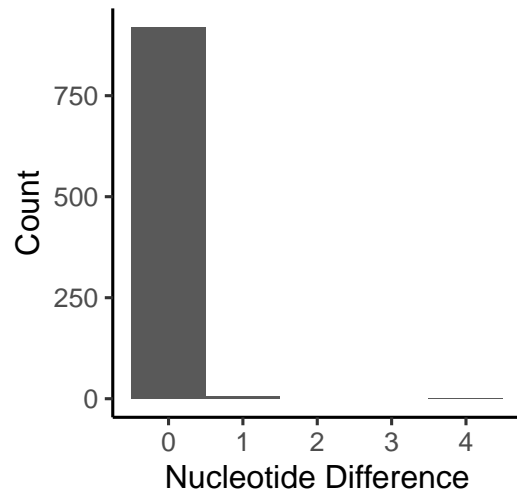
### TRBV6-4\*ap01

1822 sequences assigned  
1730 (95%) exact matches, in which:  
1710 unique CDR3  
14 unique J



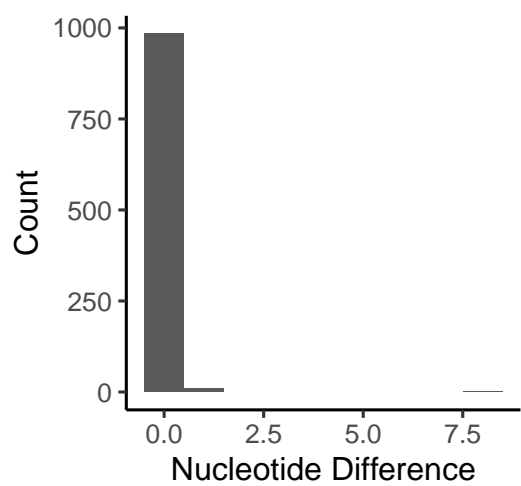
### TRBV5-5\*ap01

926 sequences assigned  
920 (99.4%) exact matches, in which:  
914 unique CDR3  
14 unique J



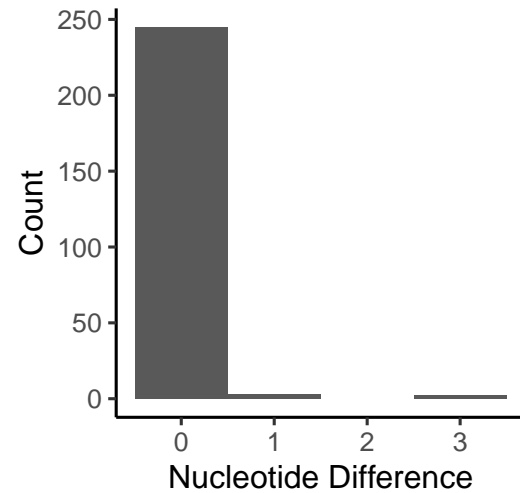
### TRBV5-8\*ap01

995 sequences assigned  
984 (98.9%) exact matches, in which:  
979 unique CDR3  
14 unique J



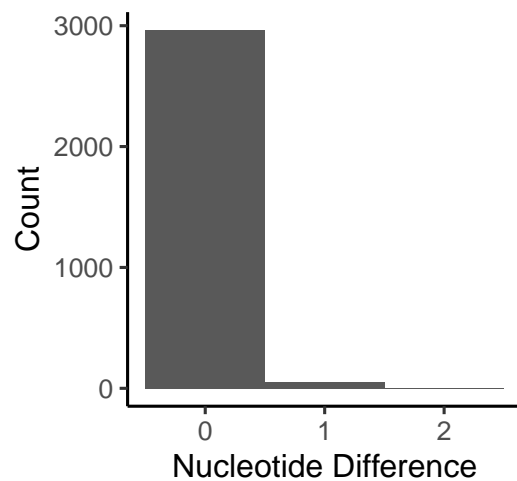
### TRBV6-7\*ap01

250 sequences assigned  
245 (98%) exact matches, in which:  
240 unique CDR3  
14 unique J



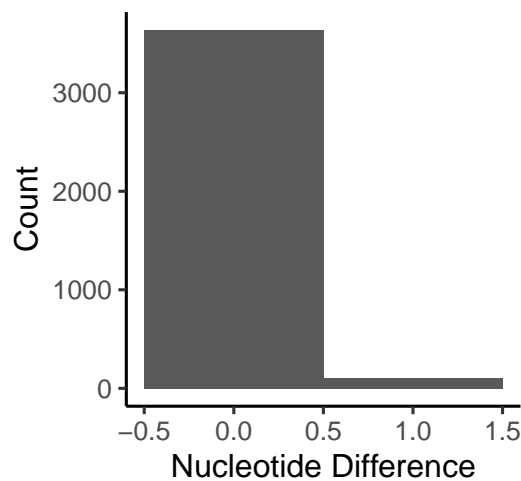
### TRBV5-6\*ap01

3023 sequences assigned  
2964 (98%) exact matches, in which:  
2882 unique CDR3  
14 unique J



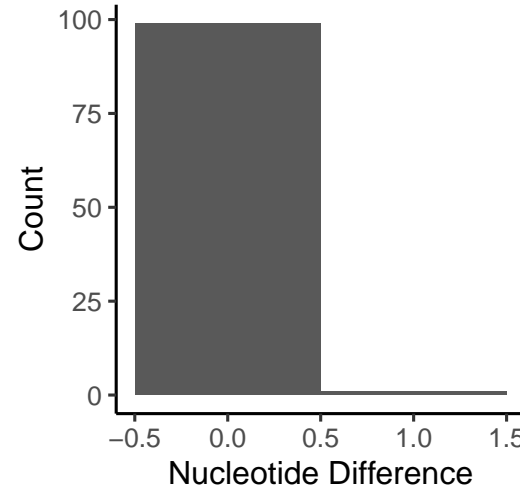
### TRBV6-1\*ap01

3738 sequences assigned  
3636 (97.3%) exact matches, in which:  
3580 unique CDR3  
14 unique J



### TRBV6-8\*ap01

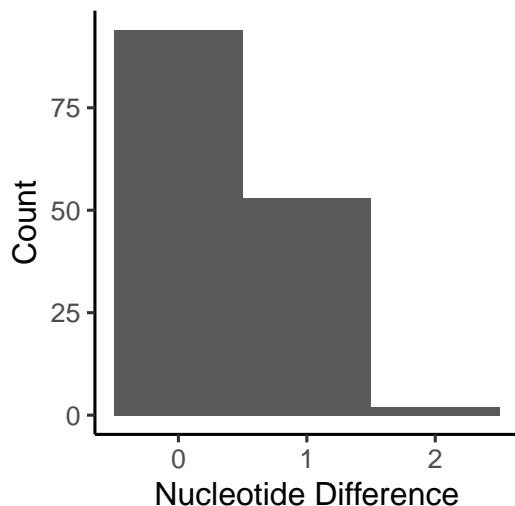
100 sequences assigned  
99 (99%) exact matches, in which:  
98 unique CDR3  
14 unique J





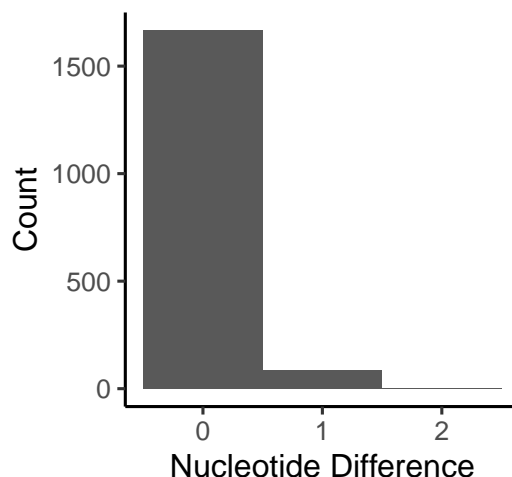
### TRBV6-9\*ap01

149 sequences assigned  
94 (63.1%) exact matches, in which:  
92 unique CDR3  
14 unique J



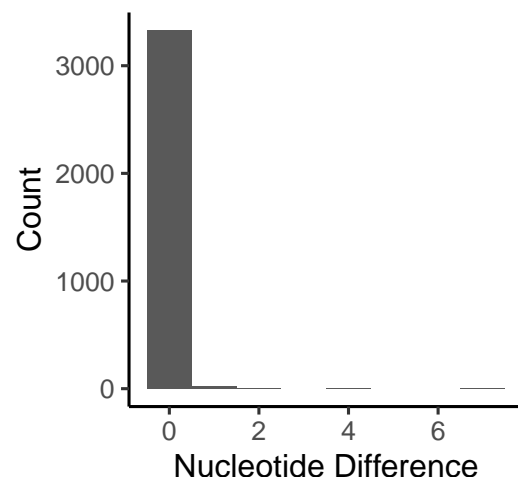
### TRBV6-56\*ap02

1756 sequences assigned  
1666 (94.9%) exact matches, in which:  
1636 unique CDR3  
14 unique J



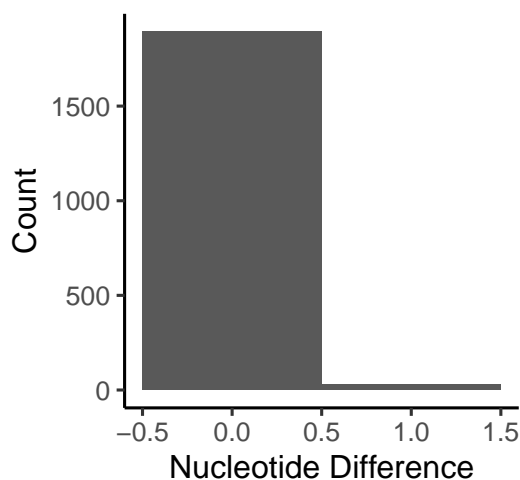
### TRBV7-3\*ap01

3359 sequences assigned  
3328 (99.1%) exact matches, in which:  
3308 unique CDR3  
14 unique J



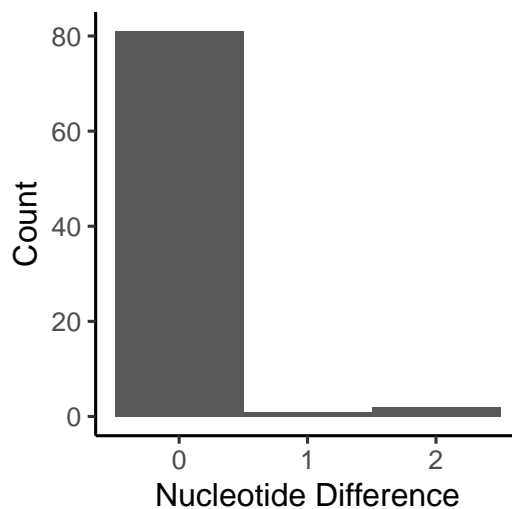
### TRBV6-23\*ap01

1921 sequences assigned  
1893 (98.5%) exact matches, in which:  
1867 unique CDR3  
14 unique J



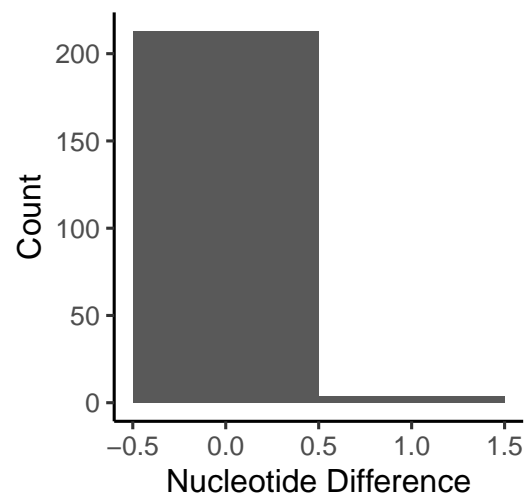
### TRBV7-1\*ap01\_G291C\_T

84 sequences assigned  
81 (96.4%) exact matches, in which:  
80 unique CDR3  
13 unique J



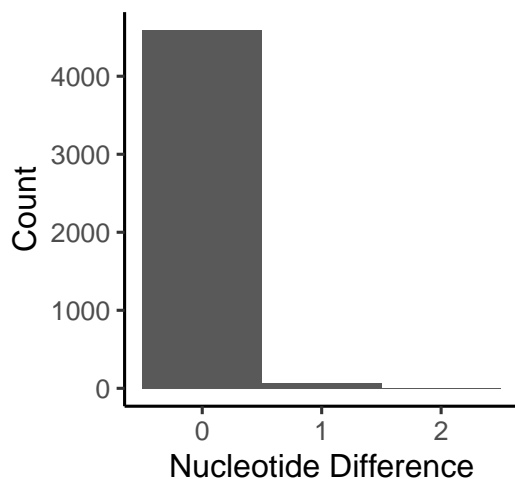
### TRBV7-4\*ap01

217 sequences assigned  
213 (98.2%) exact matches, in which:  
211 unique CDR3  
14 unique J



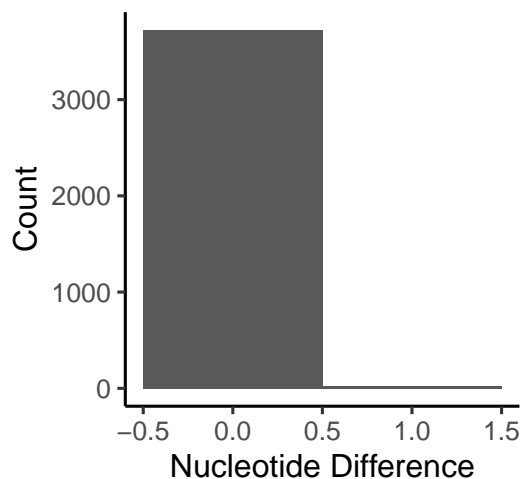
### TRBV6-56\*ap01

4670 sequences assigned  
4592 (98.3%) exact matches, in which:  
4509 unique CDR3  
14 unique J



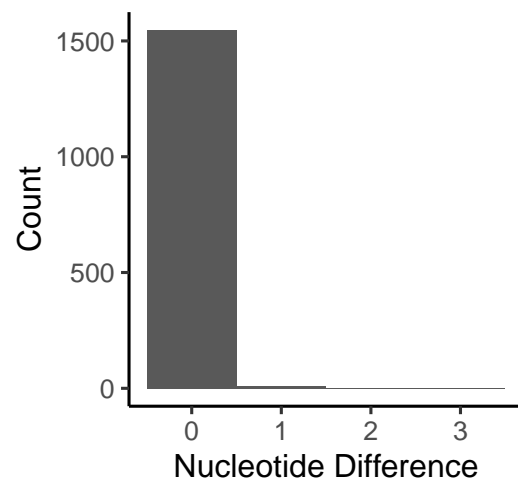
### TRBV7-2\*ap01

3748 sequences assigned  
3723 (99.3%) exact matches, in which:  
3702 unique CDR3  
14 unique J



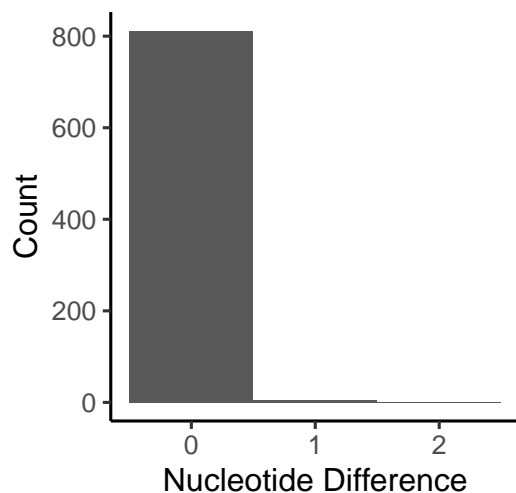
### TRBV7-6\*ap01

1559 sequences assigned  
1547 (99.2%) exact matches, in which:  
1534 unique CDR3  
14 unique J



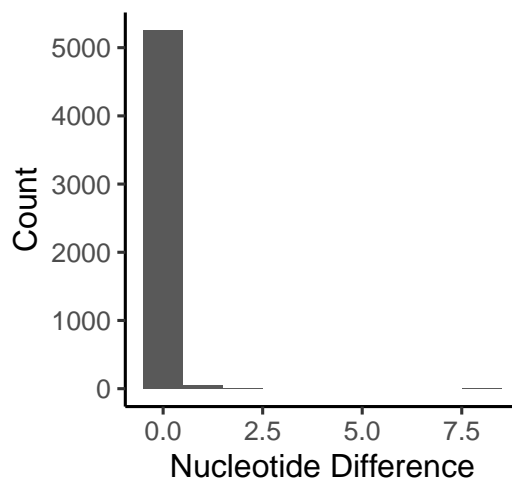
### TRBV7-7\*ap01\_C315T

819 sequences assigned  
812 (99.1%) exact matches, in which:  
806 unique CDR3  
14 unique J



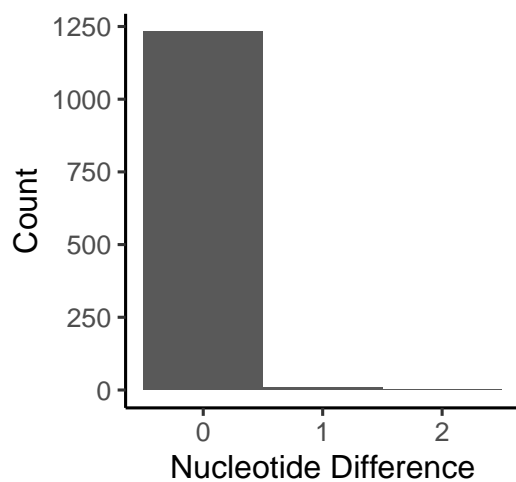
### TRBV7-9\*ap01

5314 sequences assigned  
5253 (98.9%) exact matches, in which:  
5193 unique CDR3  
14 unique J



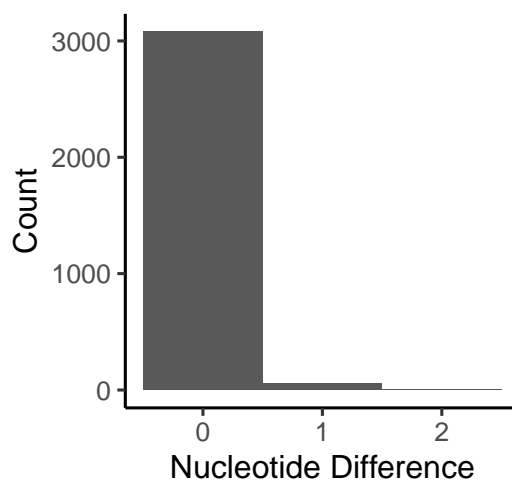
### TRBV7-8\*ap01

1243 sequences assigned  
1232 (99.1%) exact matches, in which:  
1220 unique CDR3  
14 unique J



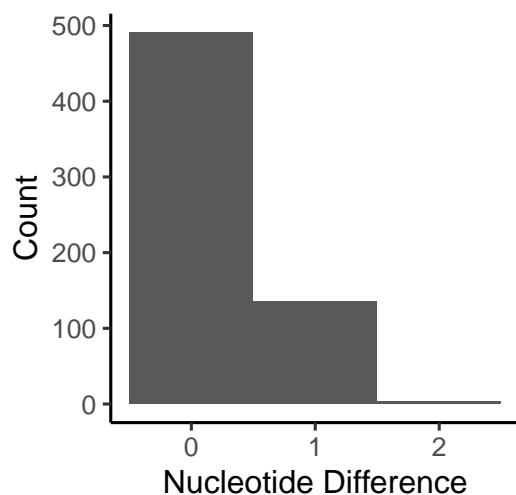
### TRBV29-1\*ap01

3137 sequences assigned  
3079 (98.2%) exact matches, in which:  
3018 unique CDR3  
14 unique J



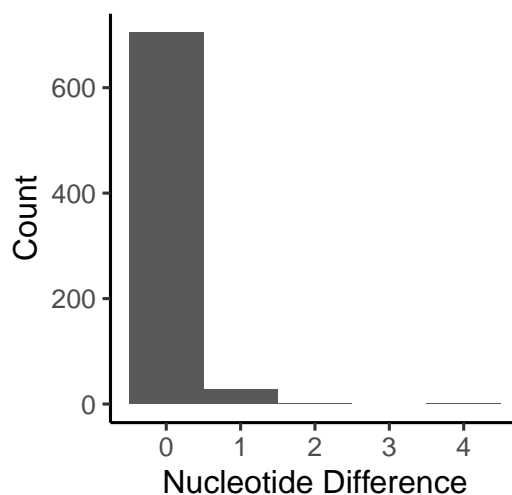
### TRBV7-8\*ap03

629 sequences assigned  
491 (78.1%) exact matches, in which:  
487 unique CDR3  
14 unique J

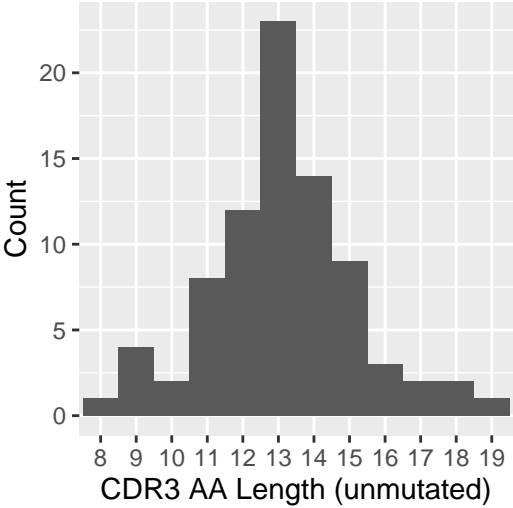


### TRBV29-1\*ap02

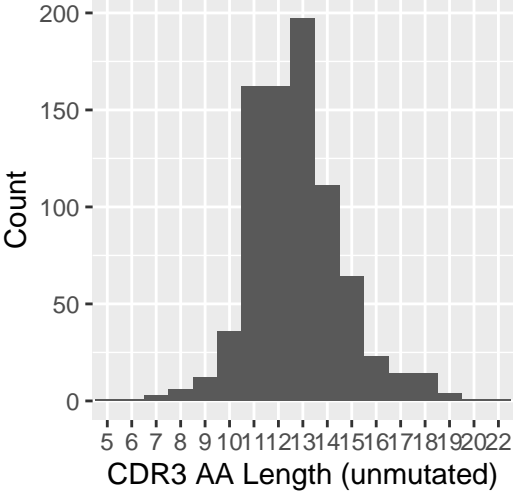
735 sequences assigned  
705 (95.9%) exact matches, in which:  
682 unique CDR3  
14 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.