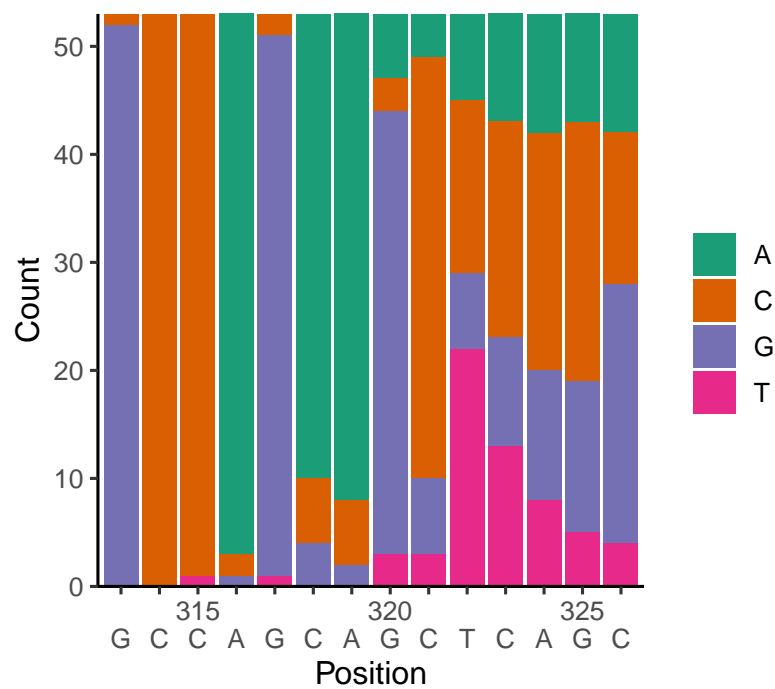
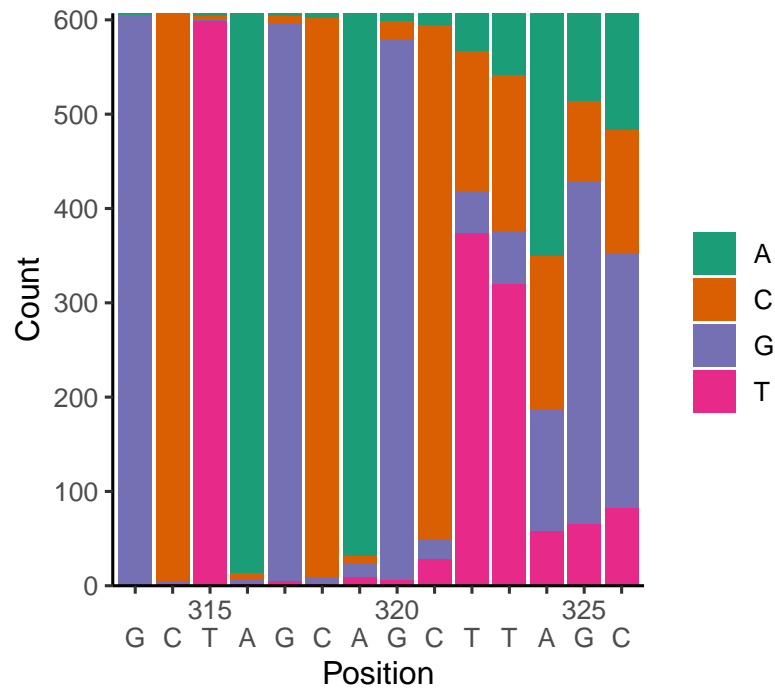


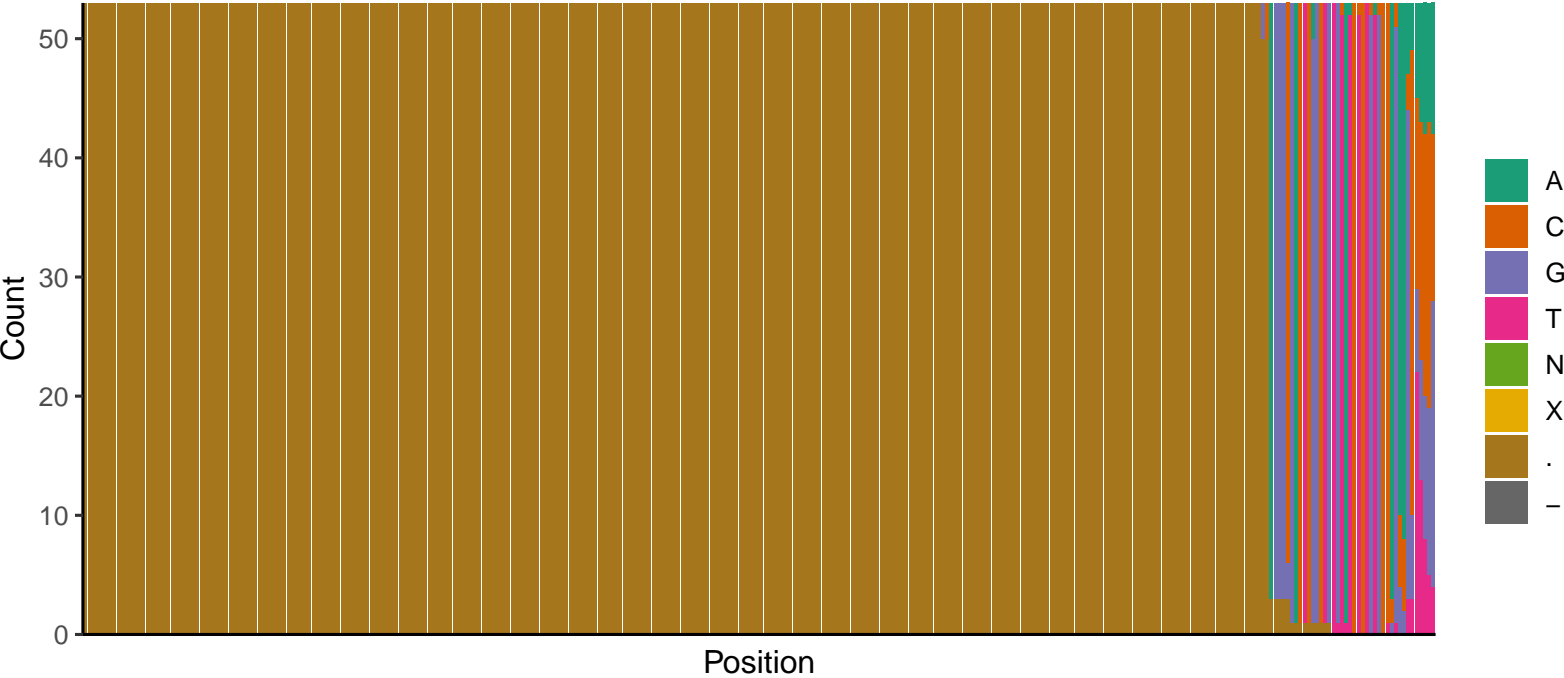
Gene TRBV7-1\*ap01\_T296C



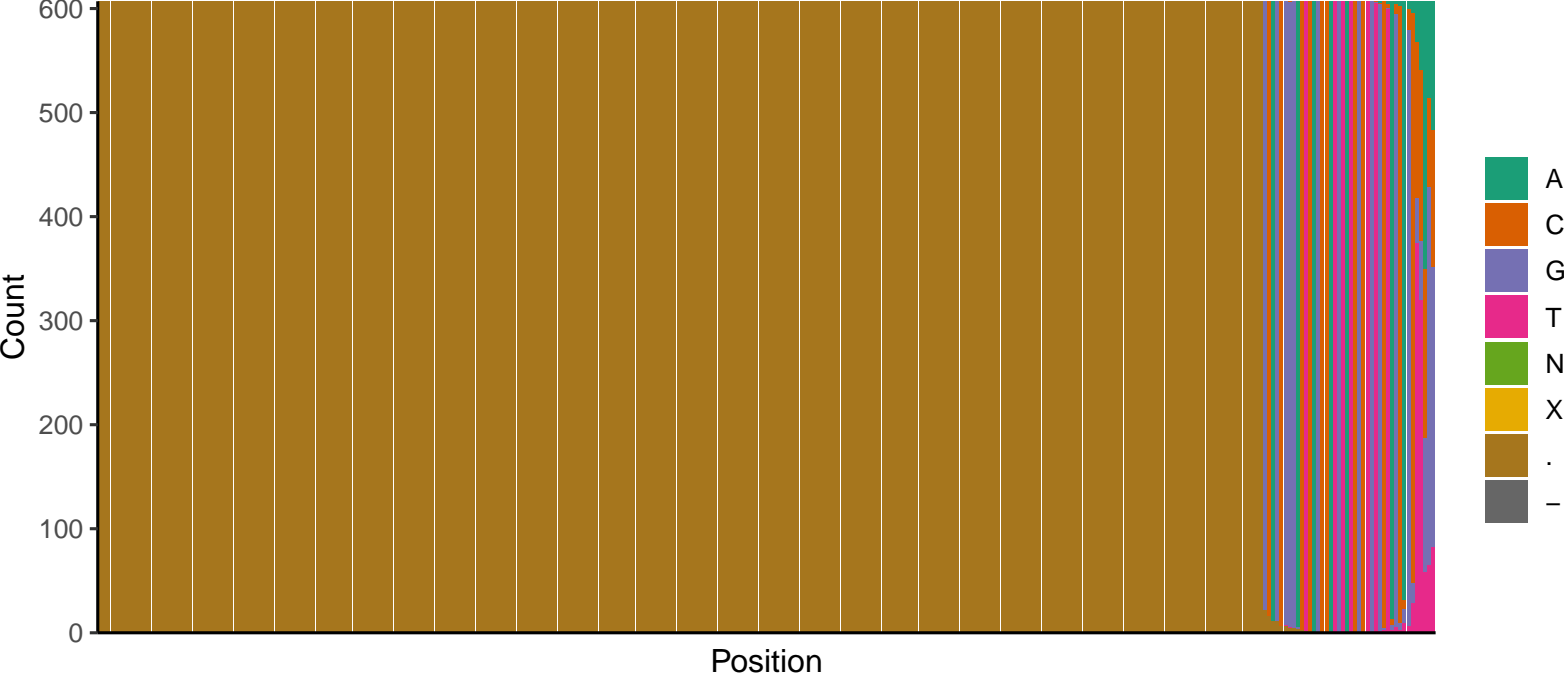
Gene TRBV7-7\*ap01\_C315T



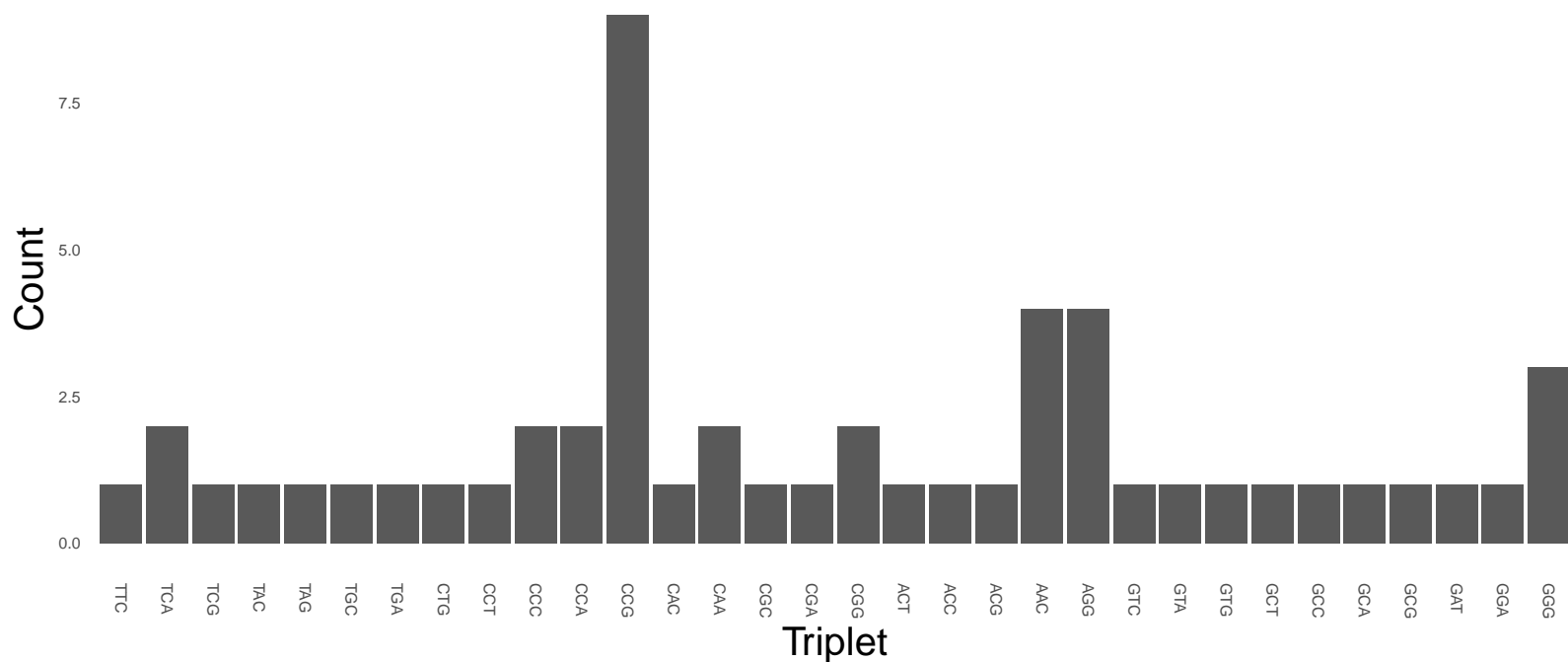
Gene TRBV7-1\*ap01\_T296C



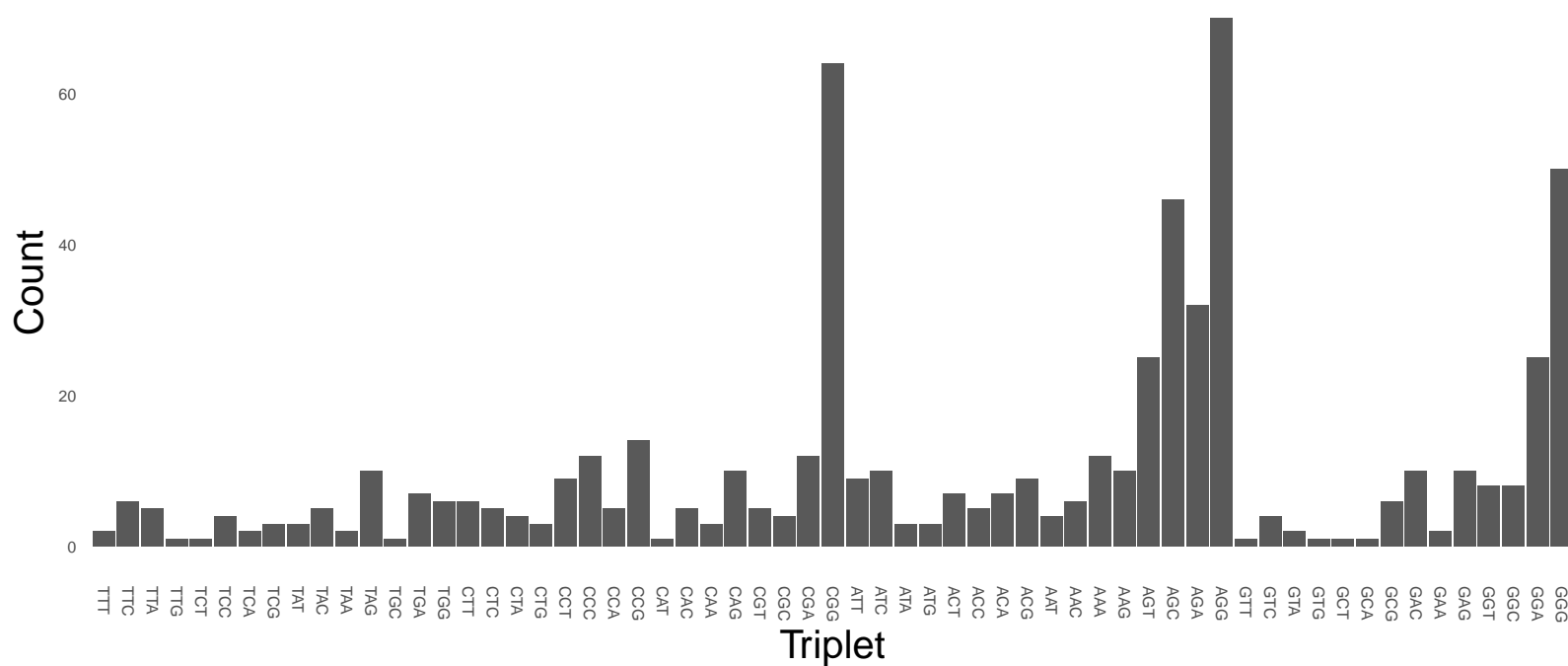
Gene TRBV7-7\*ap01\_C315T



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

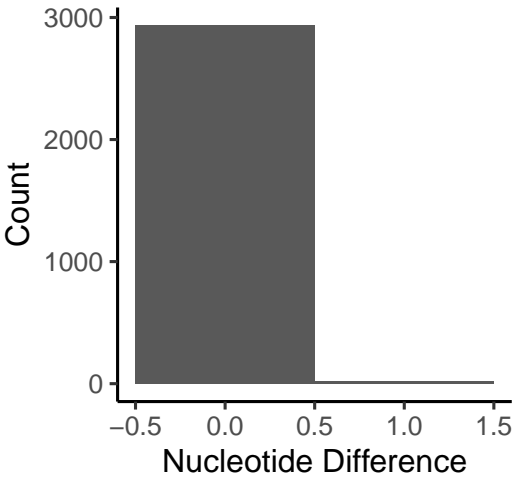


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



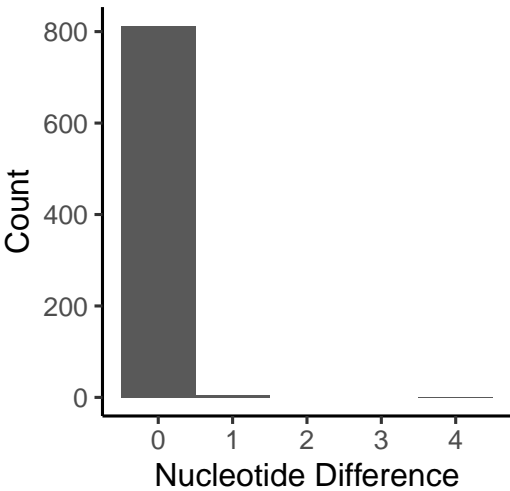
TRBV20-1\*ap01

2952 sequences assigned  
2935 (99.4%) exact matches, in which:  
2920 unique CDR3  
13 unique J



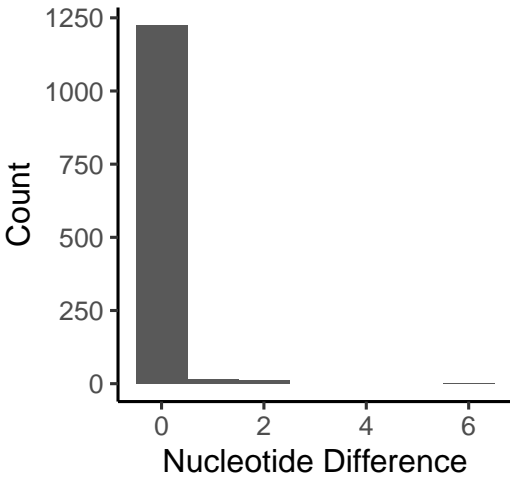
TRBV10-2\*ap01

820 sequences assigned  
813 (99.1%) exact matches, in which:  
804 unique CDR3  
13 unique J



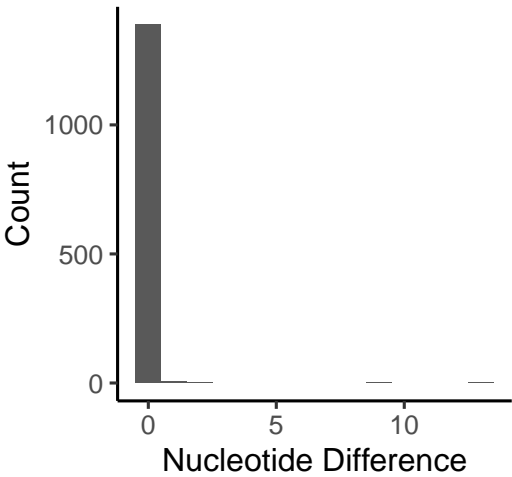
TRBV13\*ap01

1252 sequences assigned  
1224 (97.8%) exact matches, in which:  
1209 unique CDR3  
13 unique J



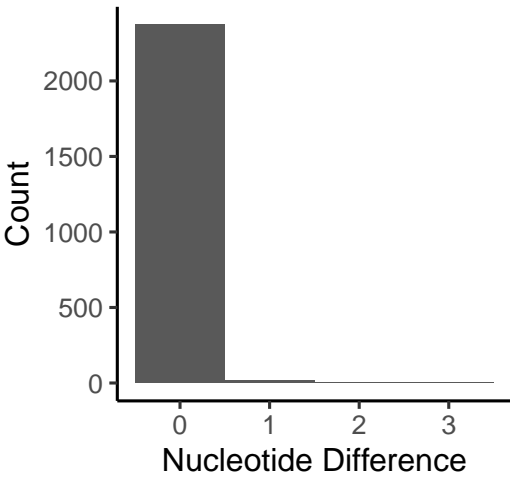
TRBV10-1\*ap01

1397 sequences assigned  
1388 (99.4%) exact matches, in which:  
1380 unique CDR3  
13 unique J



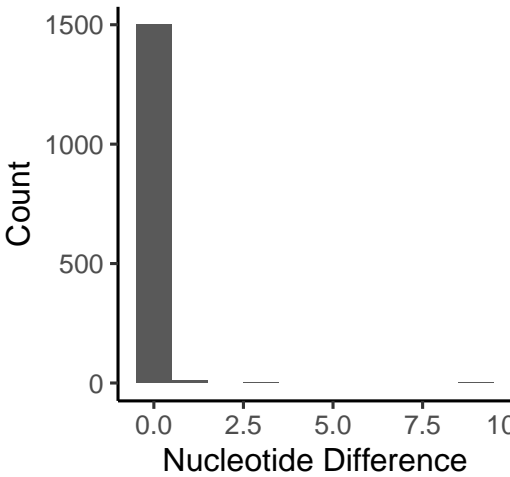
TRBV10-3\*ap01

2395 sequences assigned  
2372 (99%) exact matches, in which:  
2366 unique CDR3  
13 unique J



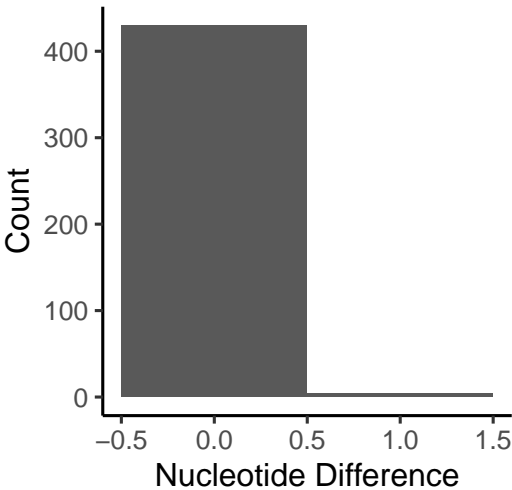
TRBV14\*ap01

1512 sequences assigned  
1500 (99.2%) exact matches, in which:  
1486 unique CDR3  
13 unique J



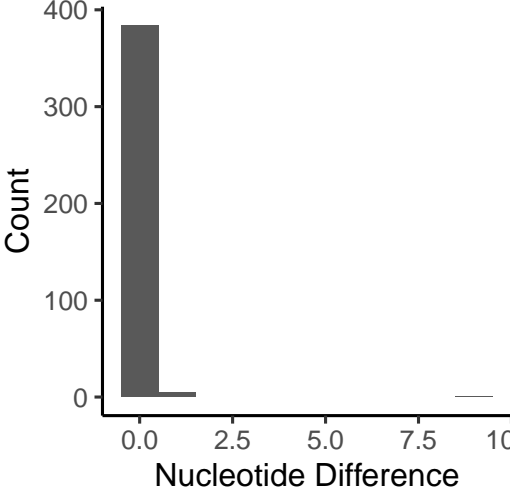
TRBV20-1\*ap02

434 sequences assigned  
430 (99.1%) exact matches, in which:  
428 unique CDR3  
13 unique J



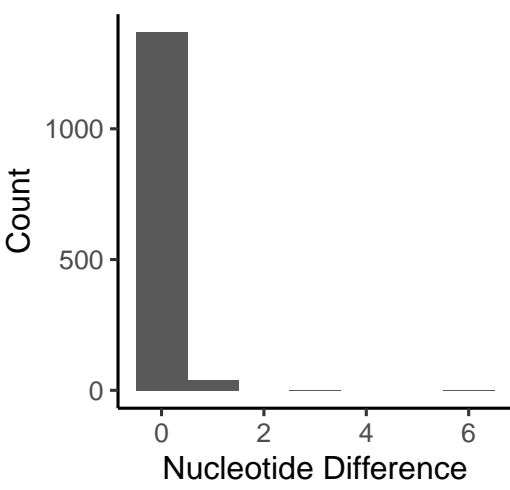
TRBV1\*ap01

390 sequences assigned  
384 (98.5%) exact matches, in which:  
378 unique CDR3  
13 unique J



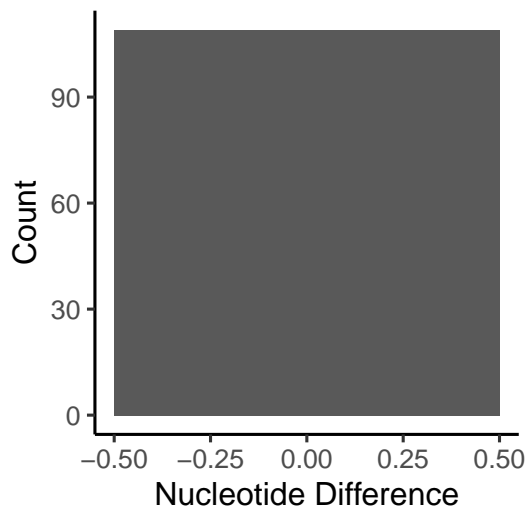
TRBV15\*ap02

1412 sequences assigned  
1370 (97%) exact matches, in which:  
1355 unique CDR3  
13 unique J



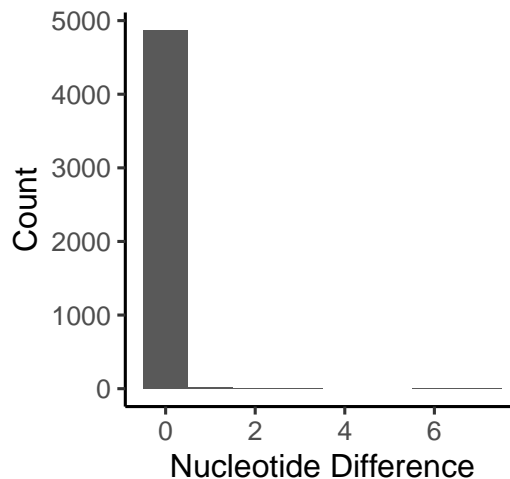
### TRBV16\*ap01

109 sequences assigned  
109 (100%) exact matches, in which:  
109 unique CDR3  
12 unique J



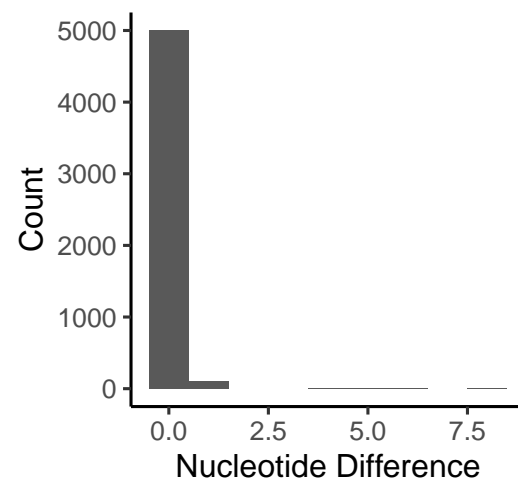
### TRBV2\*ap01

4900 sequences assigned  
4867 (99.3%) exact matches, in which:  
4850 unique CDR3  
13 unique J



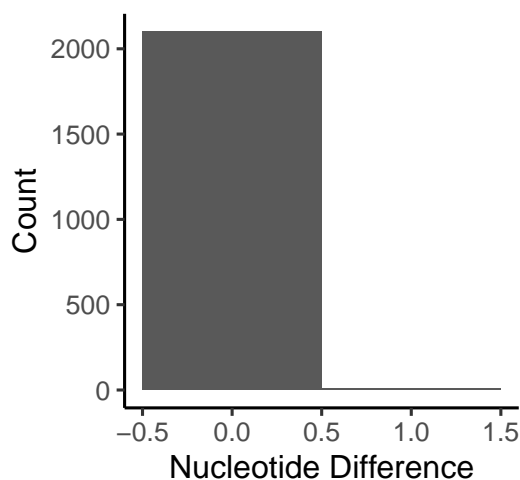
### TRBV30\*ap01

5105 sequences assigned  
5001 (98%) exact matches, in which:  
4921 unique CDR3  
13 unique J



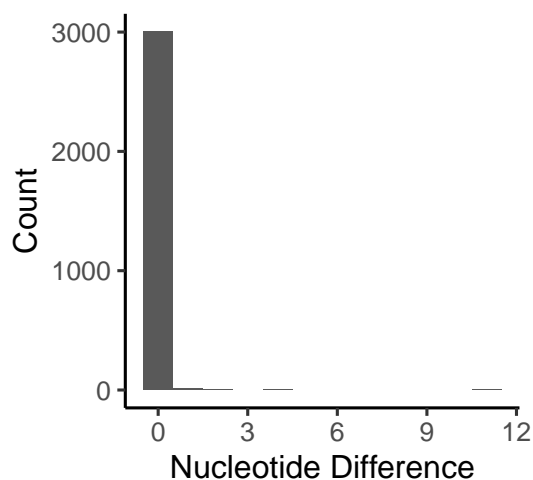
### TRBV18\*ap01

2107 sequences assigned  
2100 (99.7%) exact matches, in which:  
2095 unique CDR3  
13 unique J



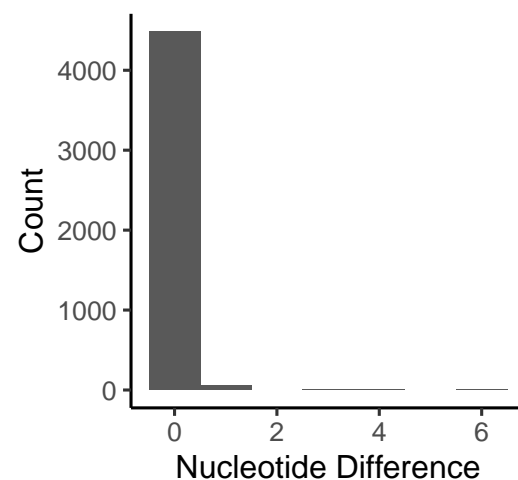
### TRBV27\*ap01

3023 sequences assigned  
3003 (99.3%) exact matches, in which:  
2990 unique CDR3  
13 unique J



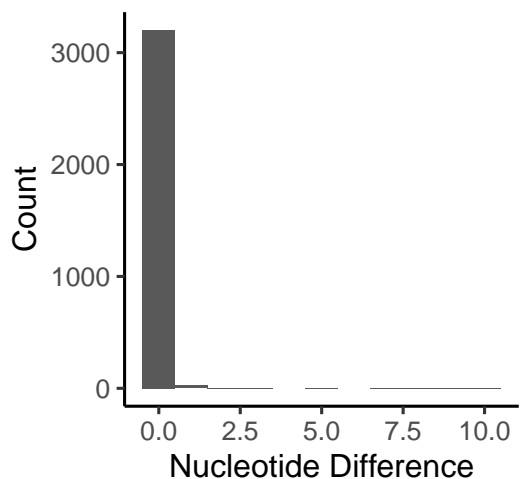
### TRBV9\*ap01

4546 sequences assigned  
4482 (98.6%) exact matches, in which:  
4467 unique CDR3  
13 unique J



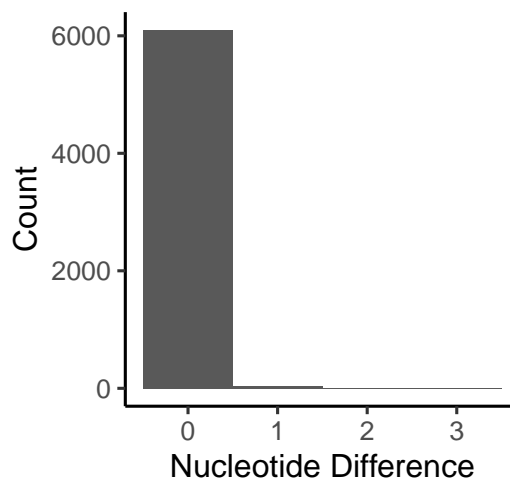
### TRBV19\*ap01

3236 sequences assigned  
3202 (98.9%) exact matches, in which:  
3196 unique CDR3  
13 unique J



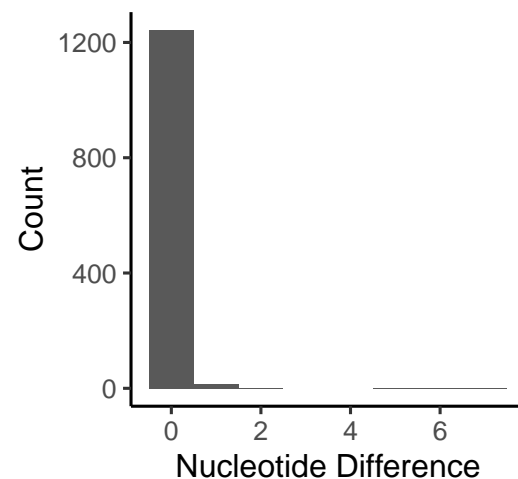
### TRBV28\*ap01

6137 sequences assigned  
6098 (99.4%) exact matches, in which:  
6082 unique CDR3  
13 unique J



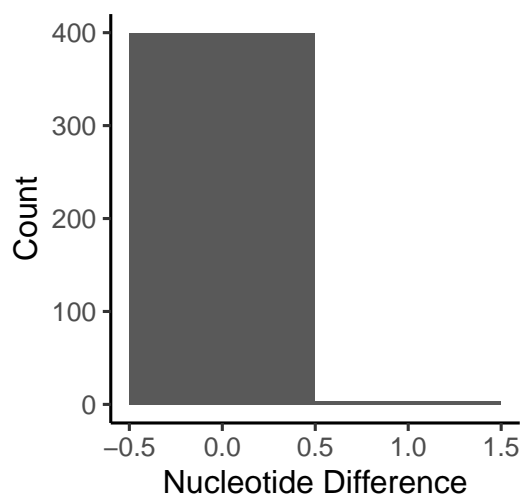
### TRBV21-1\*ap01

1263 sequences assigned  
1243 (98.4%) exact matches, in which:  
1240 unique CDR3  
13 unique J



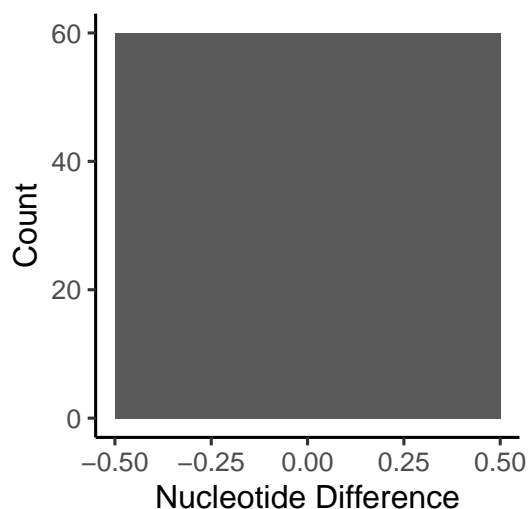
### TRBV11-1\*ap01

404 sequences assigned  
400 (99%) exact matches, in which:  
400 unique CDR3  
13 unique J



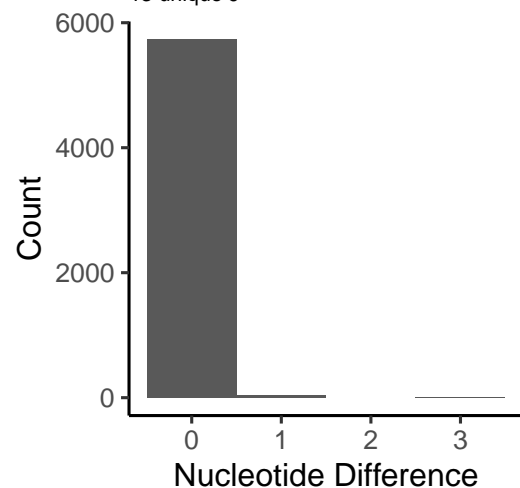
### TRBV12-1\*ap01

60 sequences assigned  
60 (100%) exact matches, in which:  
60 unique CDR3  
12 unique J



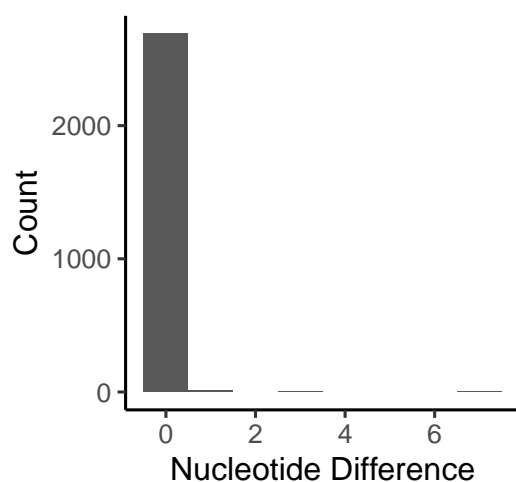
### TRBV12-34\*ap01

5771 sequences assigned  
5733 (99.3%) exact matches, in which:  
5711 unique CDR3  
13 unique J



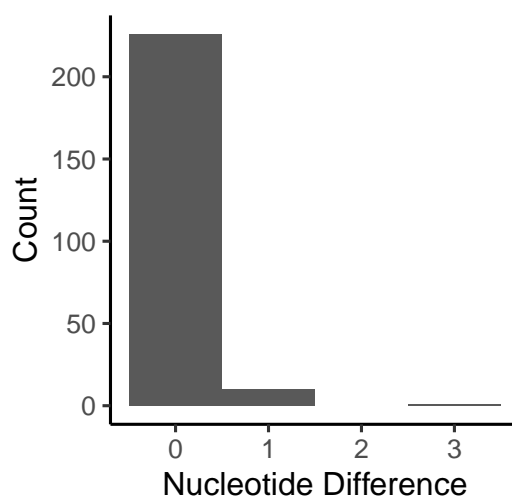
### TRBV11-2\*ap01

2703 sequences assigned  
2690 (99.5%) exact matches, in which:  
2685 unique CDR3  
13 unique J



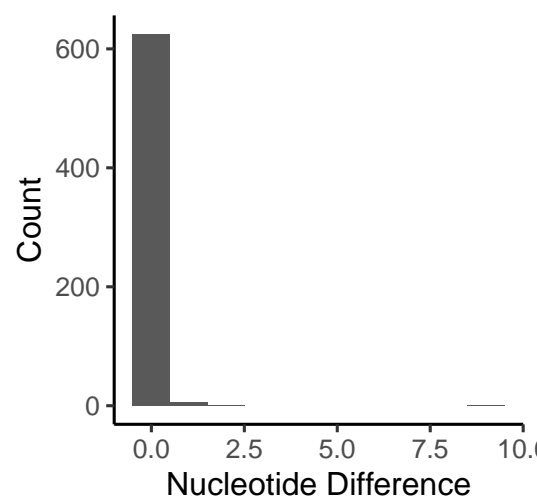
### TRBV12-2\*ap01

237 sequences assigned  
226 (95.4%) exact matches, in which:  
224 unique CDR3  
13 unique J



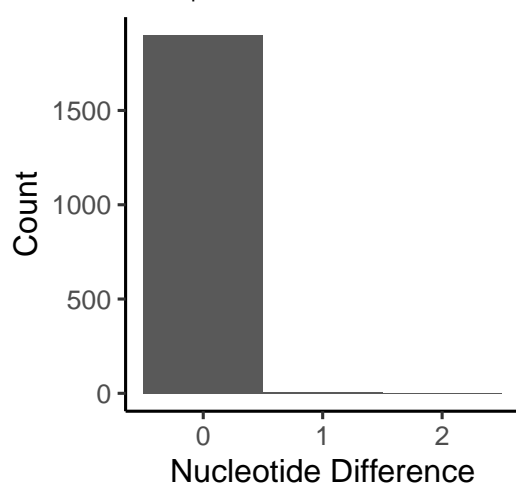
### TRBV23-1\*ap01

633 sequences assigned  
625 (98.7%) exact matches, in which:  
625 unique CDR3  
13 unique J



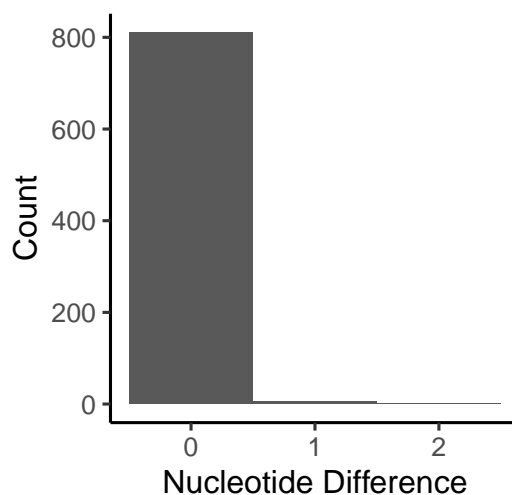
### TRBV11-3\*ap01

1909 sequences assigned  
1900 (99.5%) exact matches, in which:  
1894 unique CDR3  
14 unique J



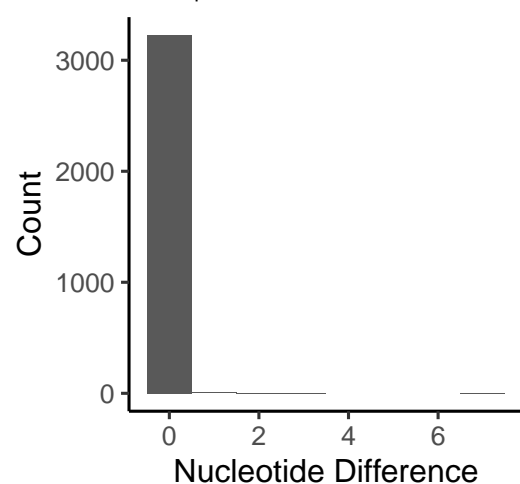
### TRBV12-5\*ap01

817 sequences assigned  
811 (99.3%) exact matches, in which:  
807 unique CDR3  
13 unique J



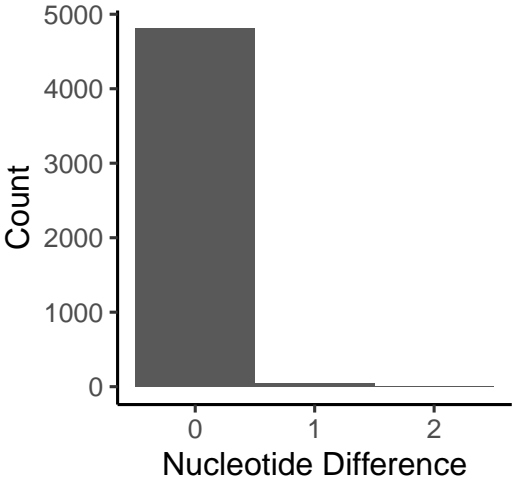
### TRBV3-12\*ap01

3238 sequences assigned  
3227 (99.7%) exact matches, in which:  
3225 unique CDR3  
14 unique J



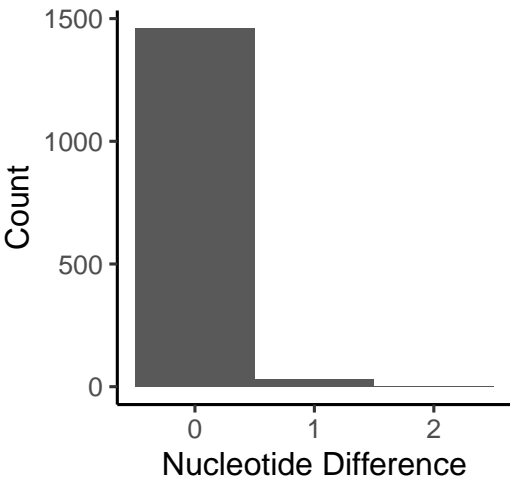
TRBV4-1\*ap01

4854 sequences assigned  
4810 (99.1%) exact matches, in which:  
4758 unique CDR3  
13 unique J



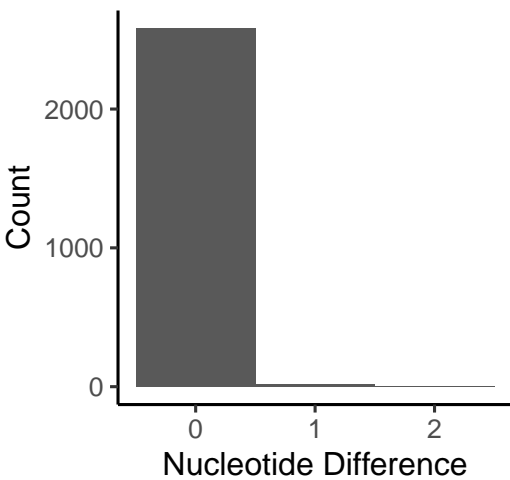
TRBV25-1\*ap01

1492 sequences assigned  
1460 (97.9%) exact matches, in which:  
1448 unique CDR3  
13 unique J



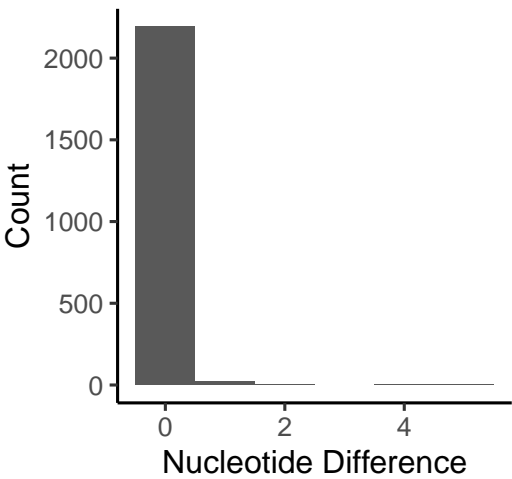
TRBV5-4\*ap01

2598 sequences assigned  
2581 (99.3%) exact matches, in which:  
2563 unique CDR3  
13 unique J



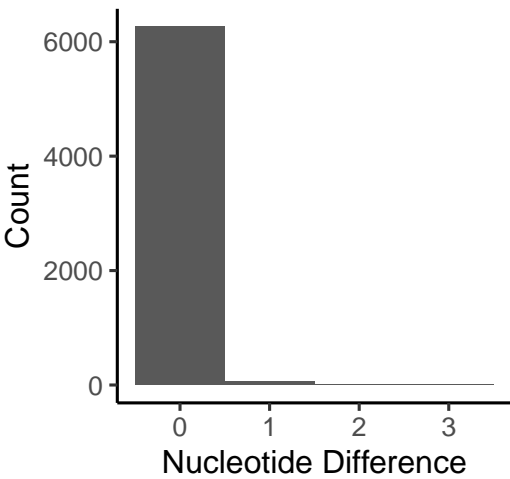
TRBV24-1\*ap01

2216 sequences assigned  
2192 (98.9%) exact matches, in which:  
2167 unique CDR3  
13 unique J



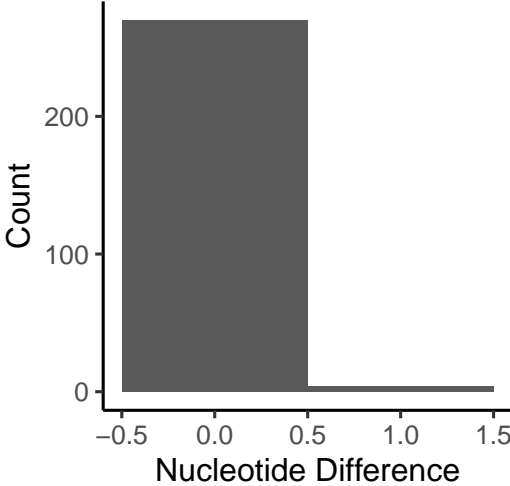
TRBV5-1\*ap01

6329 sequences assigned  
6262 (98.9%) exact matches, in which:  
6225 unique CDR3  
13 unique J



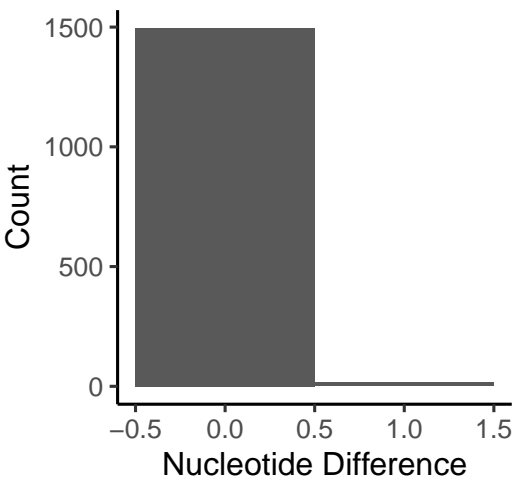
TRBV5-5\*ap01

274 sequences assigned  
270 (98.5%) exact matches, in which:  
270 unique CDR3  
12 unique J



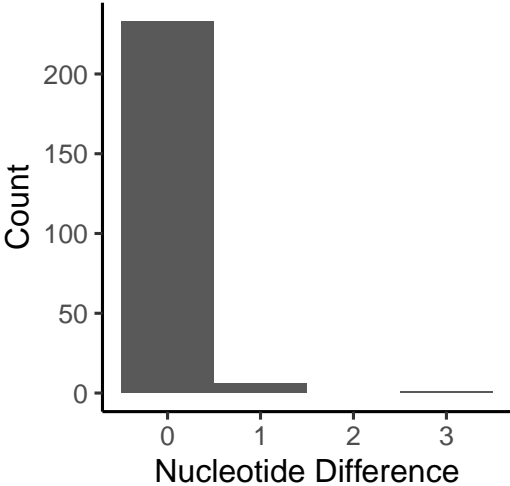
TRBV4-2\*ap01

1512 sequences assigned  
1496 (98.9%) exact matches, in which:  
1482 unique CDR3  
13 unique J



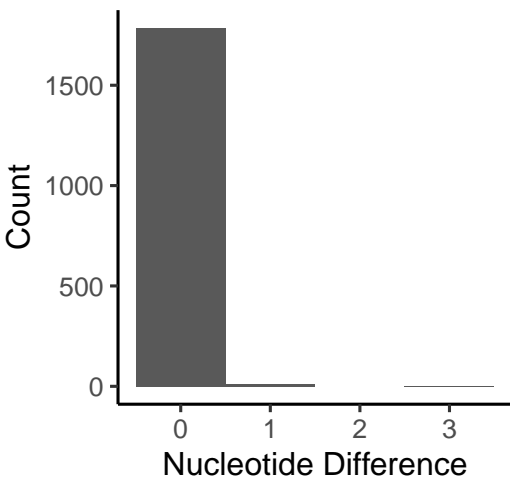
TRBV5-3\*ap01

240 sequences assigned  
233 (97.1%) exact matches, in which:  
233 unique CDR3  
13 unique J



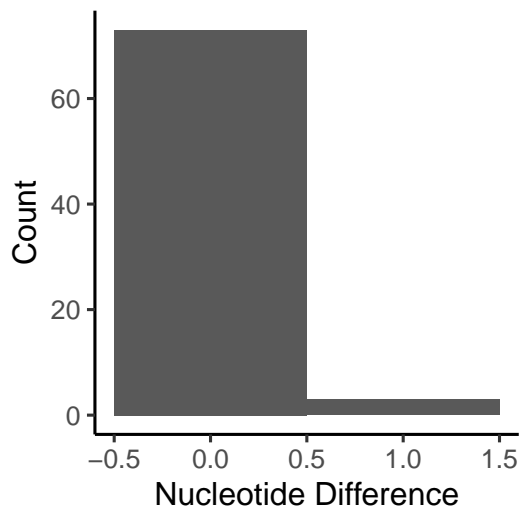
TRBV5-6\*ap01

1798 sequences assigned  
1785 (99.3%) exact matches, in which:  
1781 unique CDR3  
13 unique J



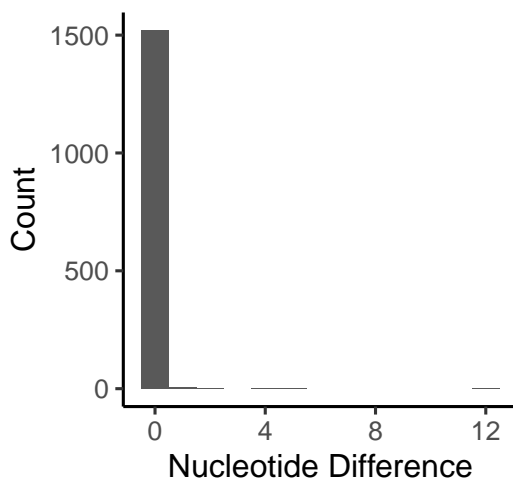
### TRBV5-7\*ap01

76 sequences assigned  
73 (96.1%) exact matches, in which:  
72 unique CDR3  
12 unique J



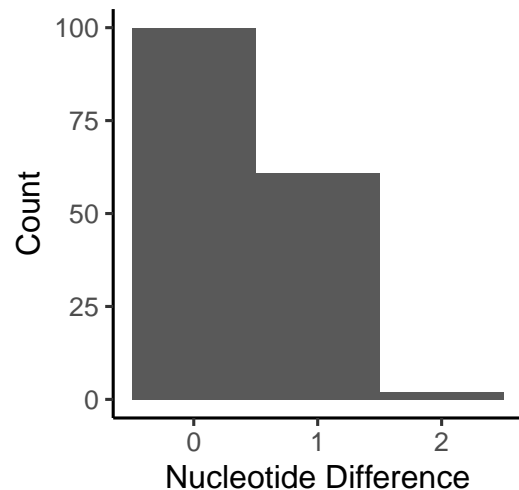
### TRBV6-4\*ap01

1534 sequences assigned  
1520 (99.1%) exact matches, in which:  
1514 unique CDR3  
13 unique J



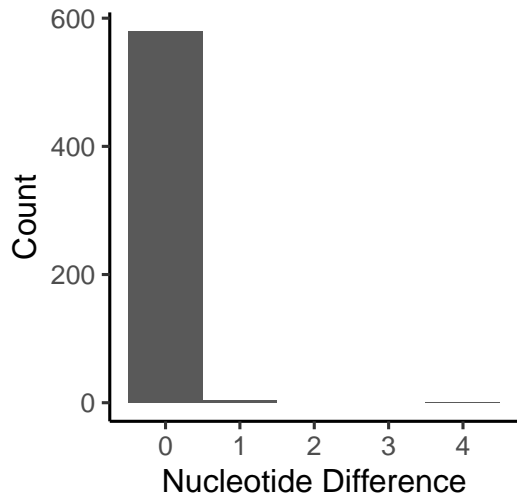
### TRBV6-9\*ap01

163 sequences assigned  
100 (61.3%) exact matches, in which:  
99 unique CDR3  
13 unique J



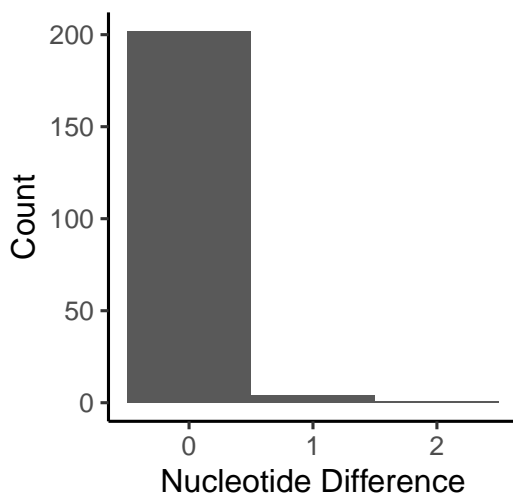
### TRBV5-8\*ap01

585 sequences assigned  
580 (99.1%) exact matches, in which:  
580 unique CDR3  
13 unique J



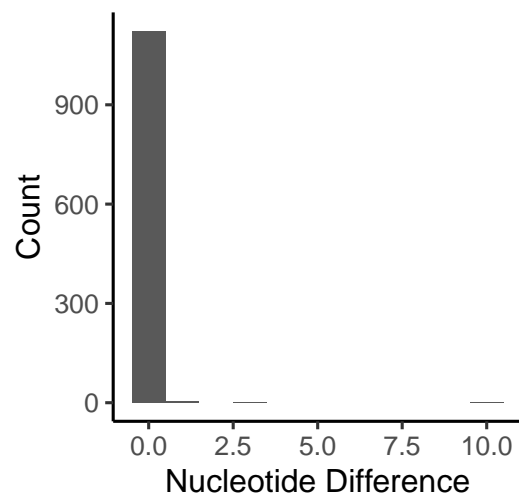
### TRBV6-7\*ap01

207 sequences assigned  
202 (97.6%) exact matches, in which:  
202 unique CDR3  
13 unique J



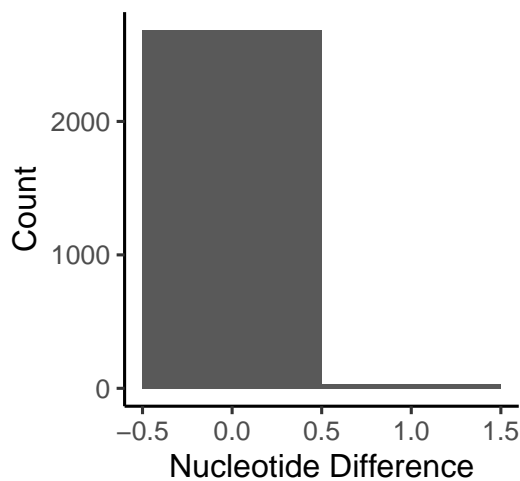
### TRBV6-23\*ap01

1129 sequences assigned  
1123 (99.5%) exact matches, in which:  
1120 unique CDR3  
13 unique J



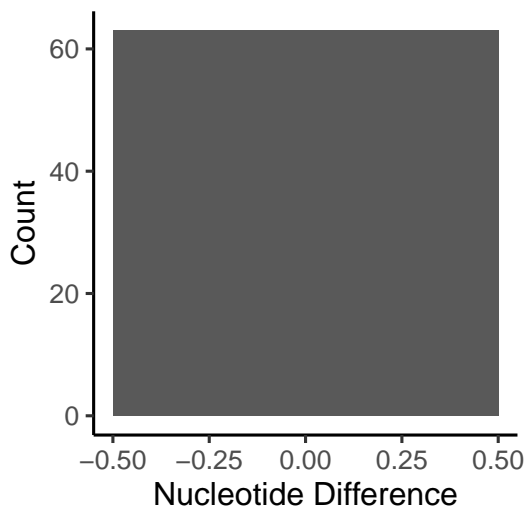
### TRBV6-1\*ap01

2719 sequences assigned  
2685 (98.7%) exact matches, in which:  
2670 unique CDR3  
13 unique J



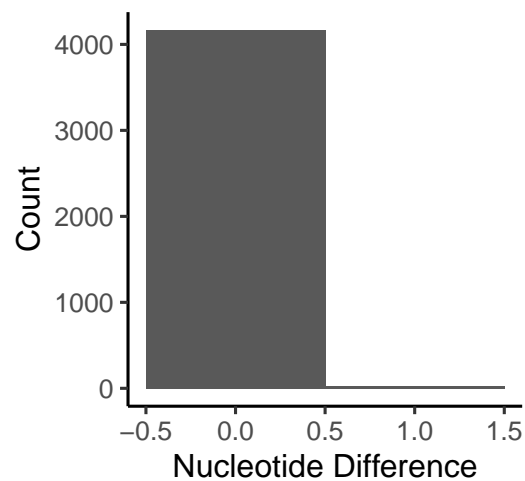
### TRBV6-8\*ap01

63 sequences assigned  
63 (100%) exact matches, in which:  
62 unique CDR3  
13 unique J



### TRBV6-56\*ap01

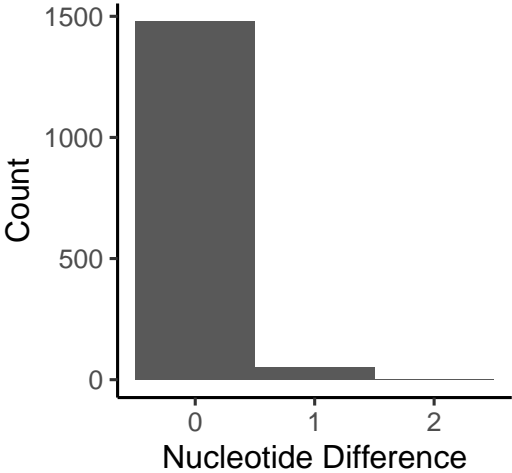
4192 sequences assigned  
4167 (99.4%) exact matches, in which:  
4127 unique CDR3  
13 unique J





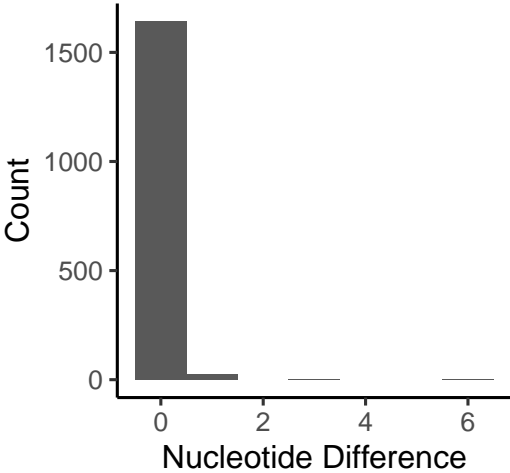
TRBV6-56\*ap02

1530 sequences assigned  
1479 (96.7%) exact matches, in which:  
1466 unique CDR3  
13 unique J



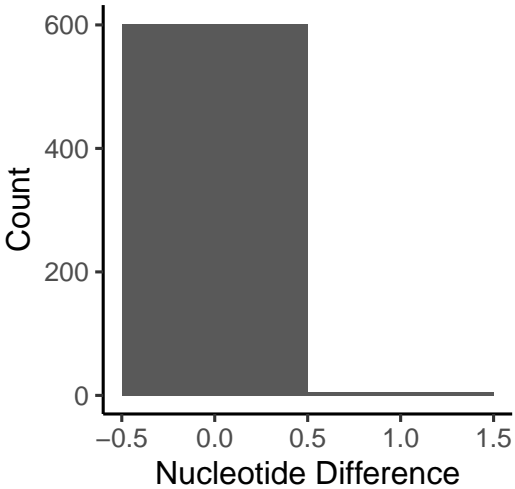
TRBV7-3\*ap01

1668 sequences assigned  
1642 (98.4%) exact matches, in which:  
1632 unique CDR3  
13 unique J



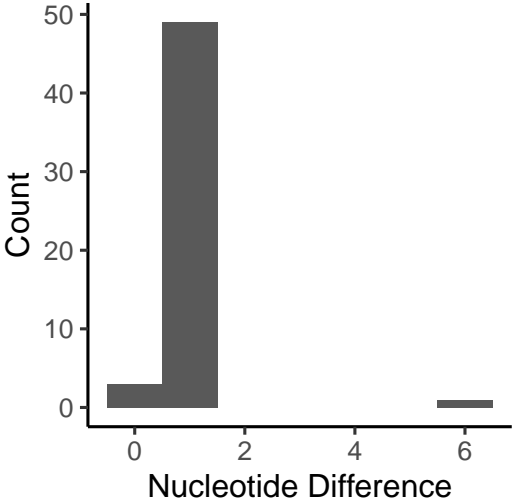
TRBV7-7\*ap01\_C315T

607 sequences assigned  
602 (99.2%) exact matches, in which:  
598 unique CDR3  
13 unique J



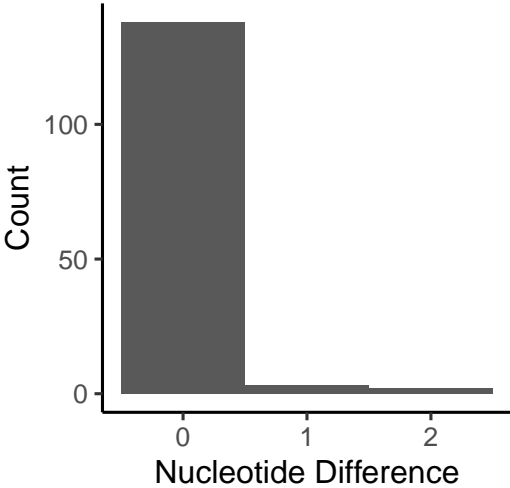
TRBV7-1\*ap01\_T296C

53 sequences assigned  
3 (5.7%) exact matches, in which:  
3 unique CDR3  
3 unique J



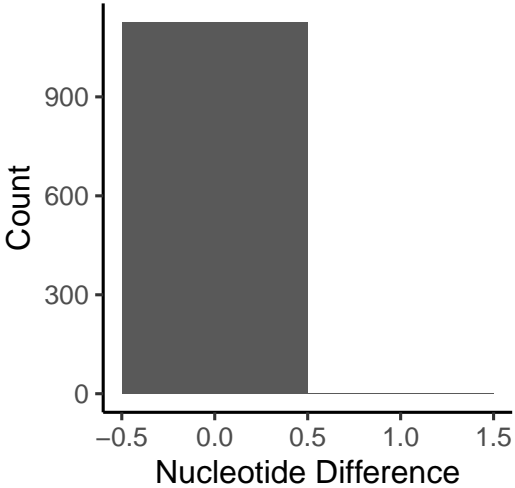
TRBV7-4\*ap01

143 sequences assigned  
138 (96.5%) exact matches, in which:  
137 unique CDR3  
13 unique J



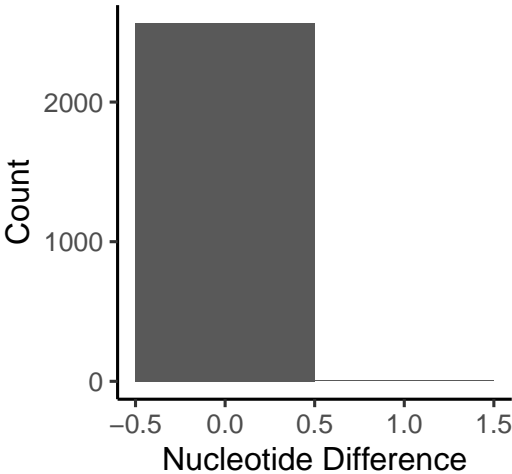
TRBV7-8\*ap01

1130 sequences assigned  
1127 (99.7%) exact matches, in which:  
1122 unique CDR3  
13 unique J



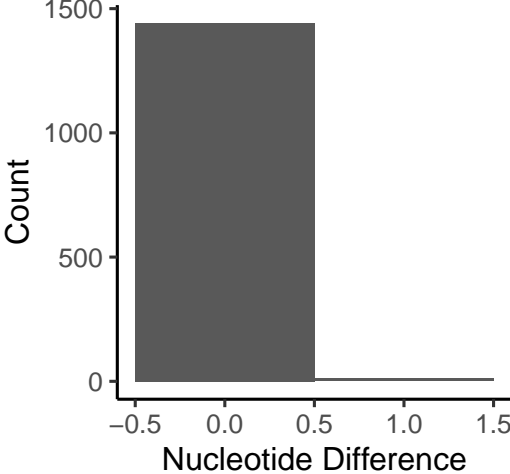
TRBV7-2\*ap01

2573 sequences assigned  
2566 (99.7%) exact matches, in which:  
2561 unique CDR3  
13 unique J



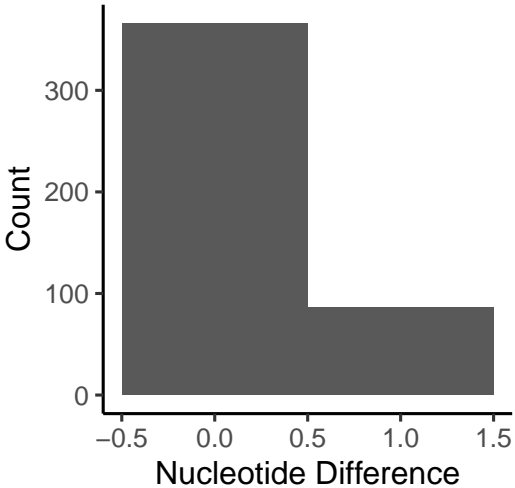
TRBV7-6\*ap01

1453 sequences assigned  
1442 (99.2%) exact matches, in which:  
1436 unique CDR3  
13 unique J



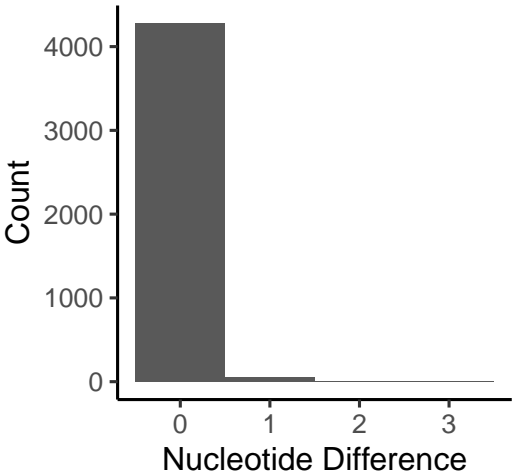
TRBV7-8\*ap03

452 sequences assigned  
366 (81%) exact matches, in which:  
365 unique CDR3  
13 unique J



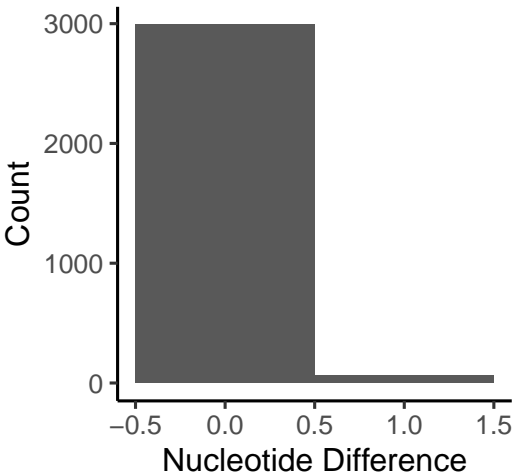
TRBV7-9\*ap01

4334 sequences assigned  
4277 (98.7%) exact matches, in which:  
4263 unique CDR3  
13 unique J



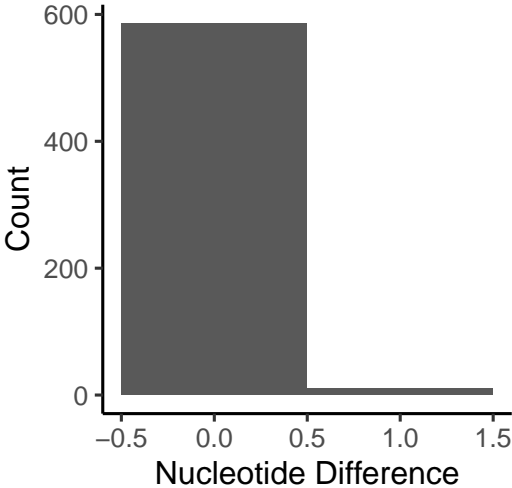
TRBV29-1\*ap01

3051 sequences assigned  
2991 (98%) exact matches, in which:  
2924 unique CDR3  
13 unique J

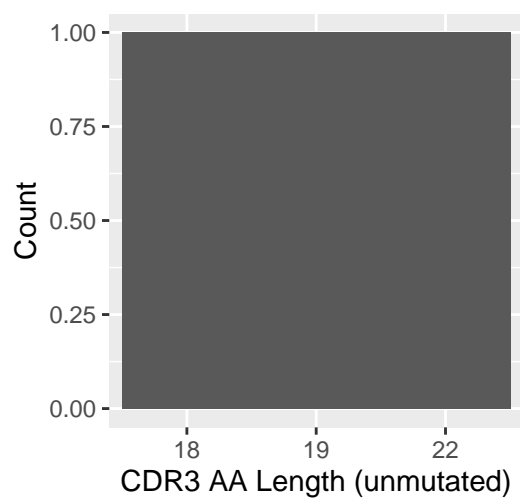


TRBV29-1\*ap02

596 sequences assigned  
586 (98.3%) exact matches, in which:  
571 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

