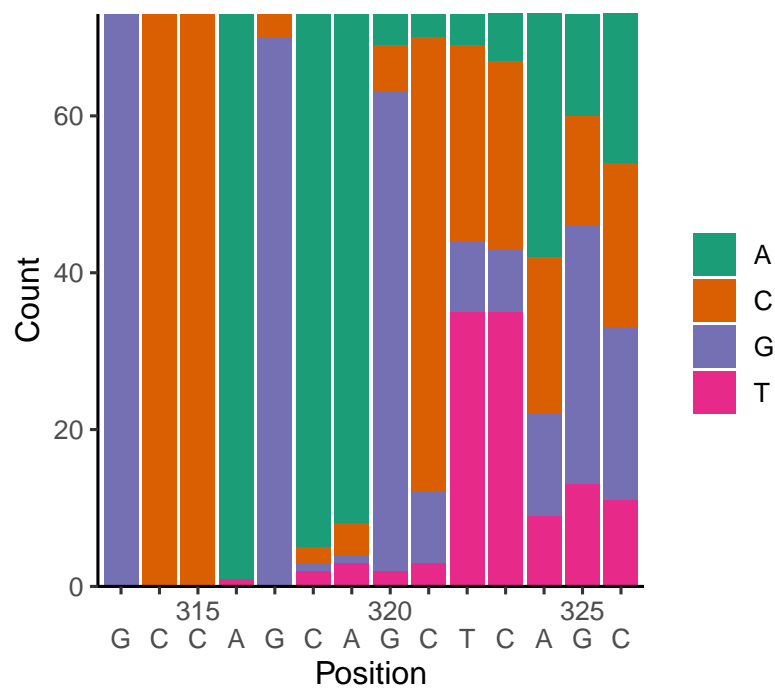
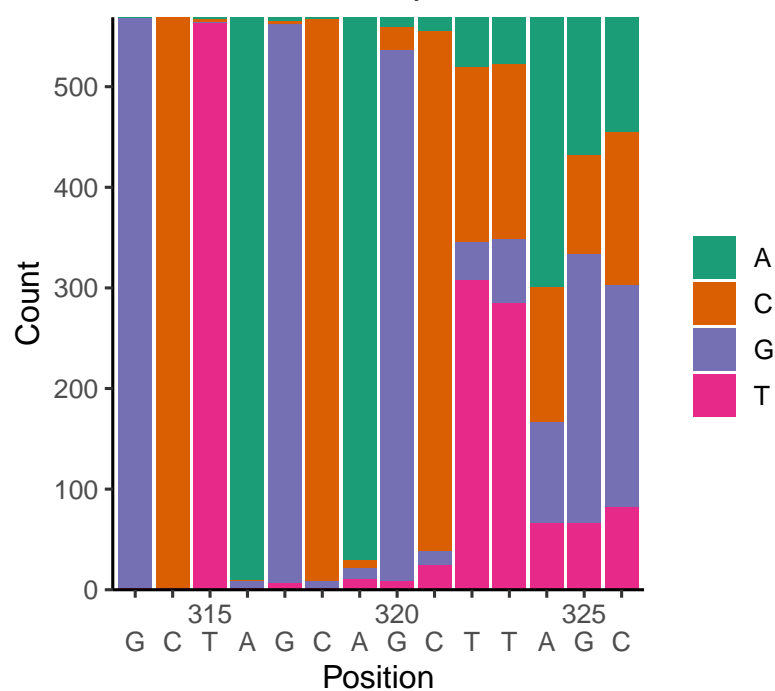


Gene TRBV7-1\*ap01\_G291C\_T296C



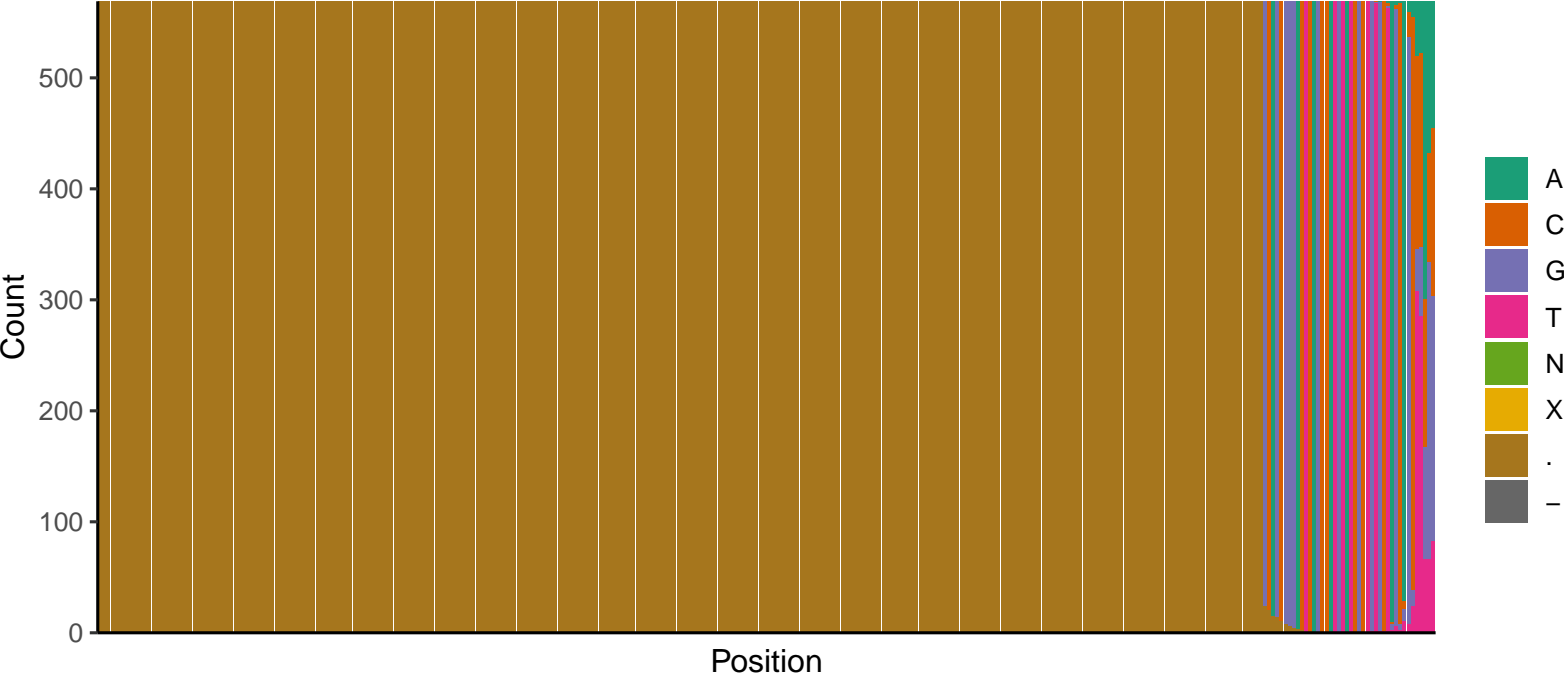
Gene TRBV7-7\*ap01\_C315T



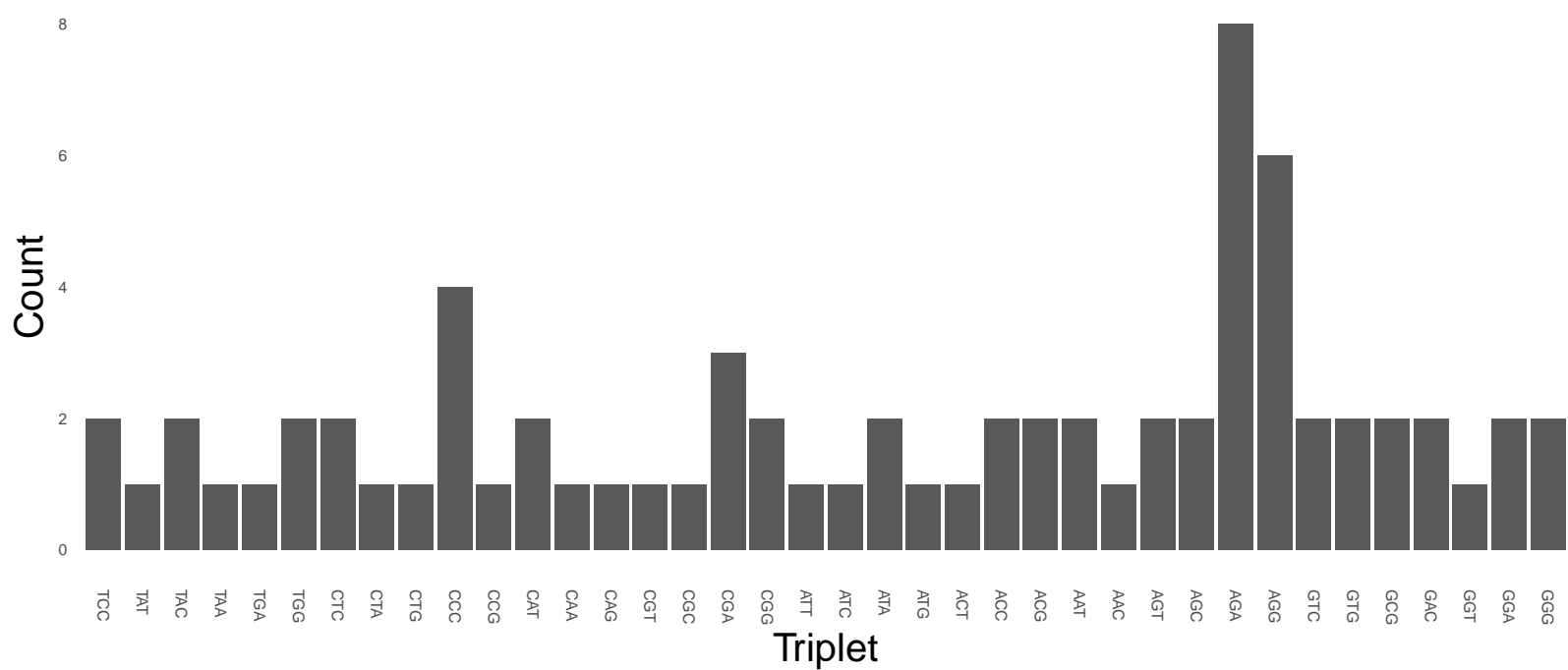
Gene TRBV7-1\*ap01\_G291C\_T296C



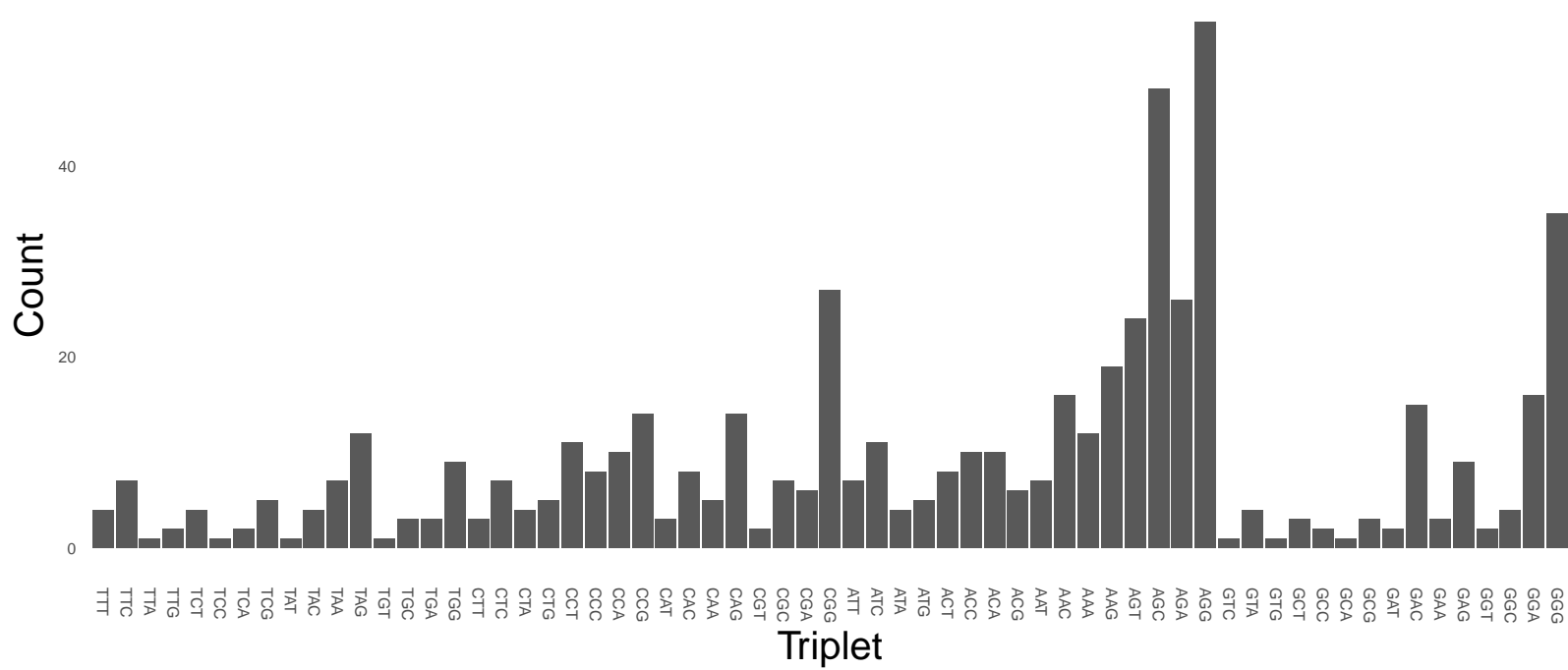
Gene TRBV7-7\*ap01\_C315T



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

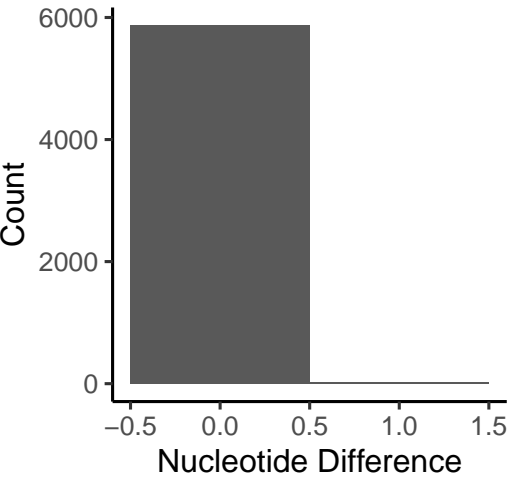


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



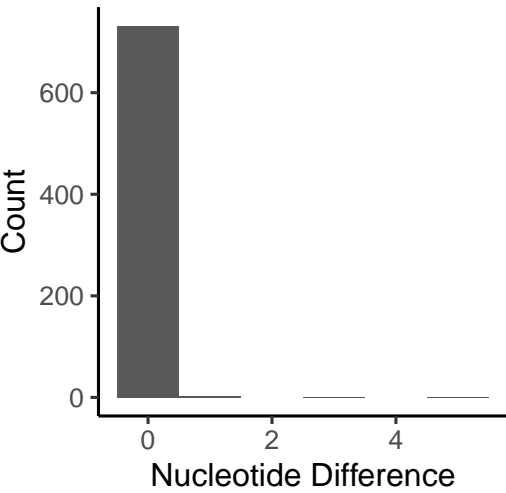
TRBV20–1\*ap01

5896 sequences assigned  
5870 (99.6%) exact matches, in which:  
5854 unique CDR3  
13 unique J



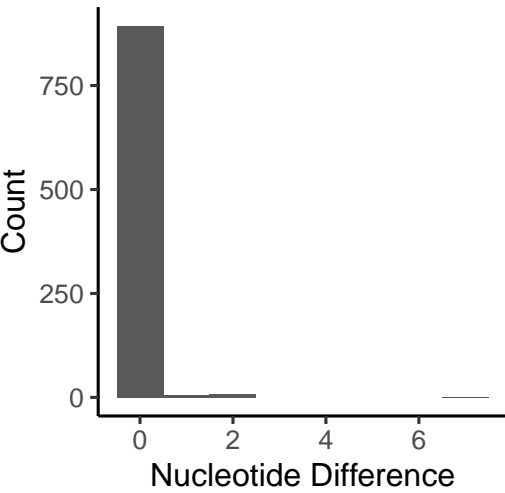
TRBV10–2\*ap01

736 sequences assigned  
732 (99.5%) exact matches, in which:  
731 unique CDR3  
13 unique J



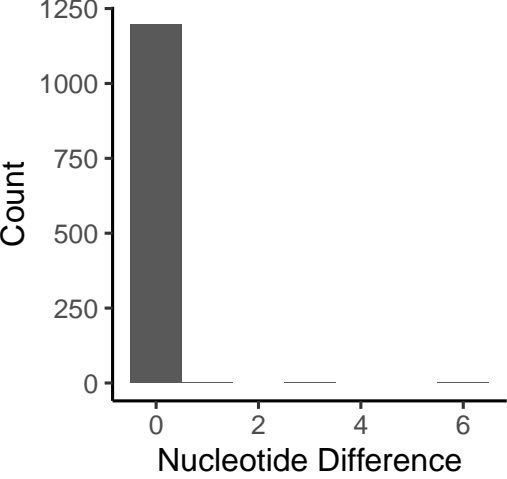
TRBV13\*ap01

910 sequences assigned  
894 (98.2%) exact matches, in which:  
888 unique CDR3  
13 unique J



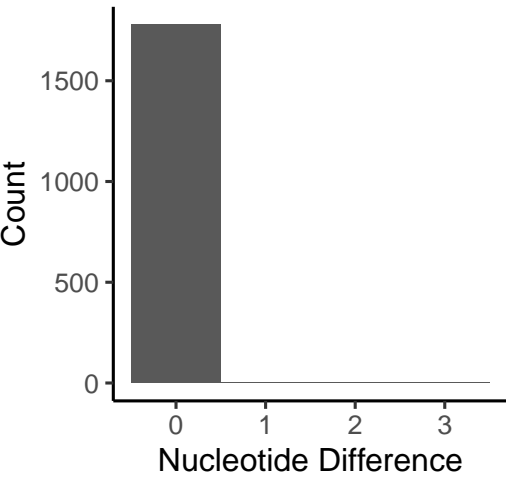
TRBV10–1\*ap01

1201 sequences assigned  
1196 (99.6%) exact matches, in which:  
1194 unique CDR3  
13 unique J



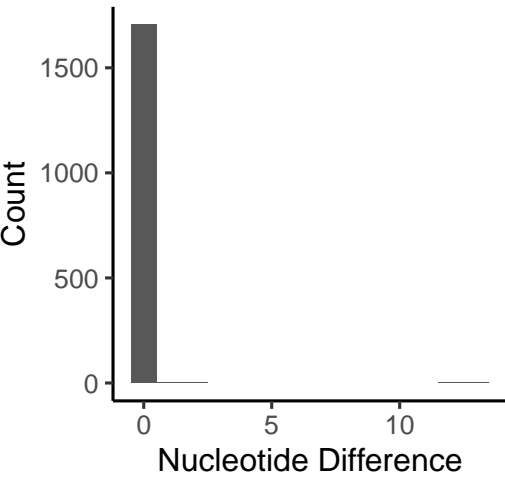
TRBV10–3\*ap01

1784 sequences assigned  
1778 (99.7%) exact matches, in which:  
1776 unique CDR3  
13 unique J



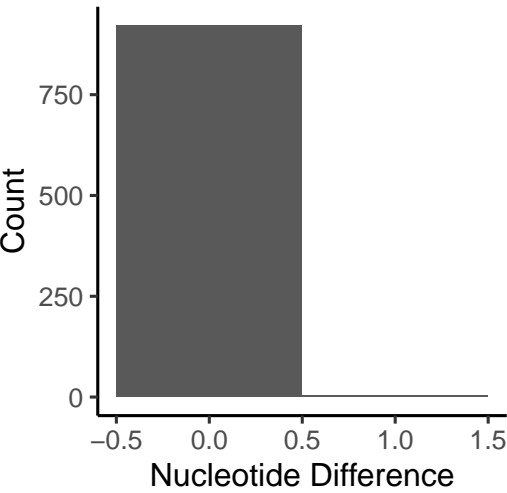
TRBV14\*ap01

1711 sequences assigned  
1705 (99.6%) exact matches, in which:  
1703 unique CDR3  
13 unique J



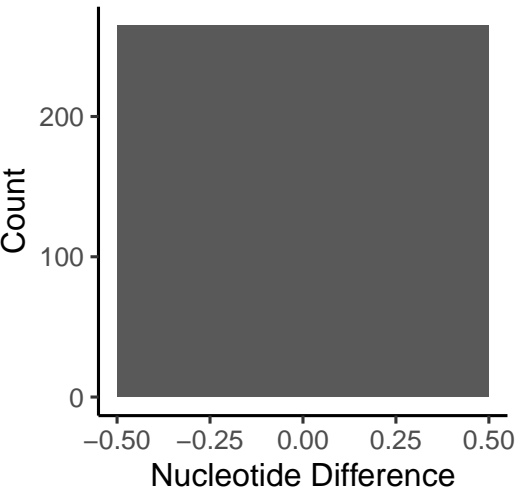
TRBV20–1\*ap02

926 sequences assigned  
922 (99.6%) exact matches, in which:  
918 unique CDR3  
13 unique J



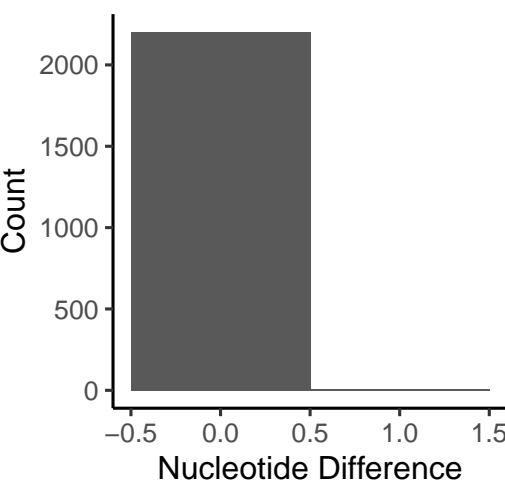
TRBV1\*ap01

265 sequences assigned  
265 (100%) exact matches, in which:  
265 unique CDR3  
13 unique J



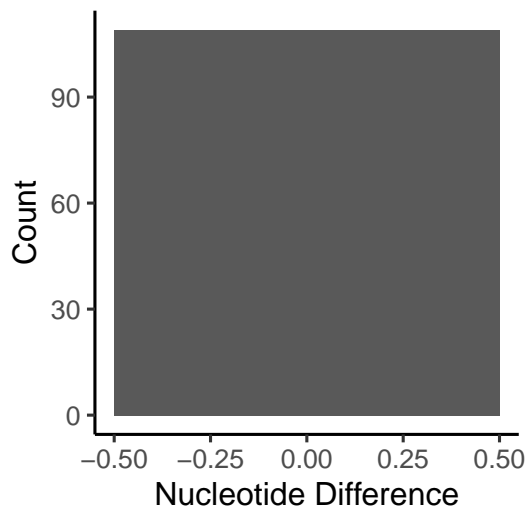
TRBV15\*ap02

2209 sequences assigned  
2202 (99.7%) exact matches, in which:  
2198 unique CDR3  
13 unique J



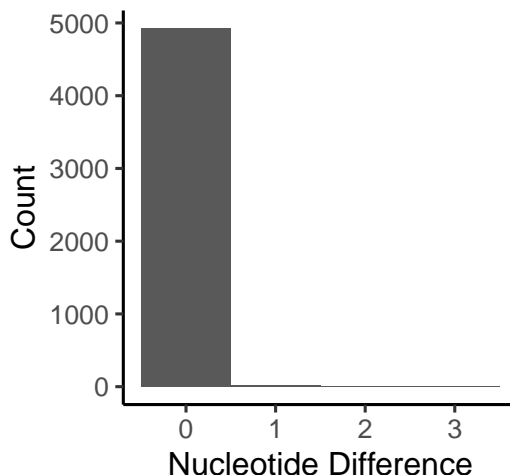
### TRBV16\*ap01

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



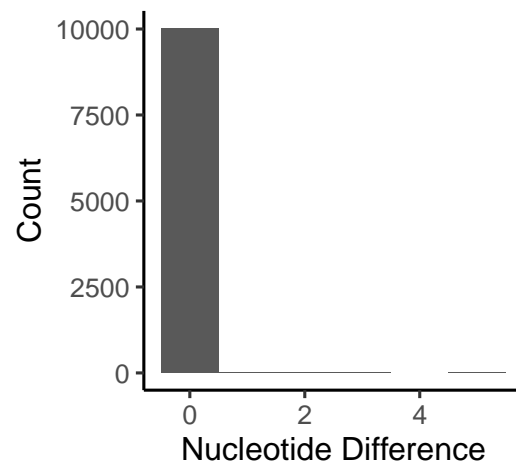
### TRBV2\*ap01

4948 sequences assigned  
4925 (99.5%) exact matches, in which:  
4906 unique CDR3  
13 unique J



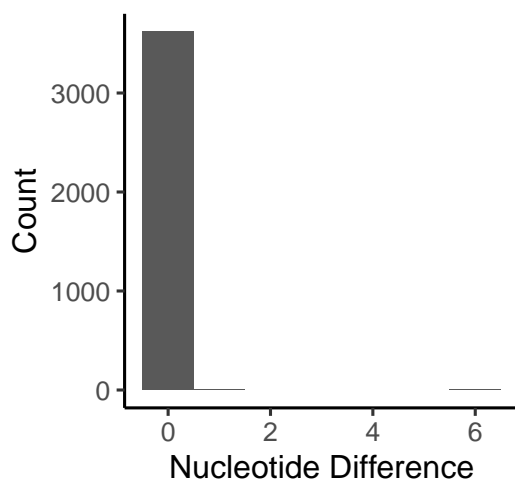
### TRBV28\*ap01

10048 sequences assigned  
10025 (99.8%) exact matches, in which:  
10012 unique CDR3  
13 unique J



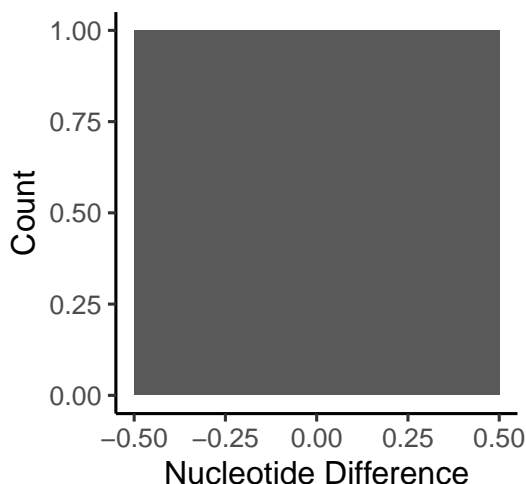
### TRBV18\*ap01

3626 sequences assigned  
3619 (99.8%) exact matches, in which:  
3617 unique CDR3  
13 unique J



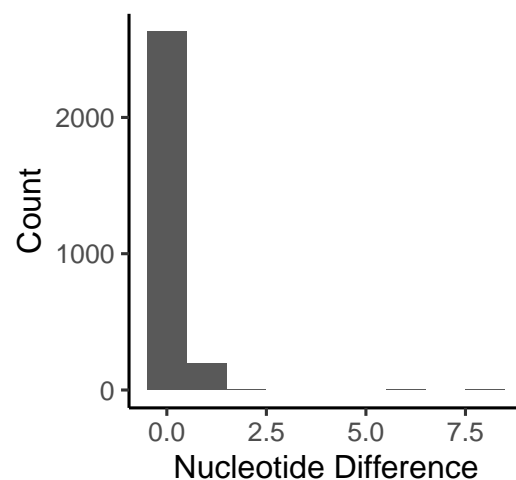
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



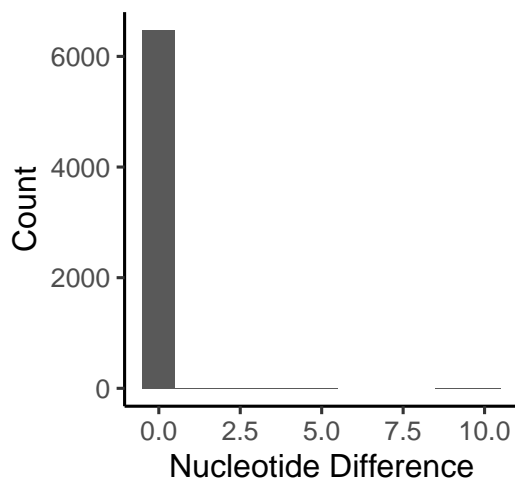
### TRBV30\*ap01

2827 sequences assigned  
2629 (93%) exact matches, in which:  
2626 unique CDR3  
13 unique J



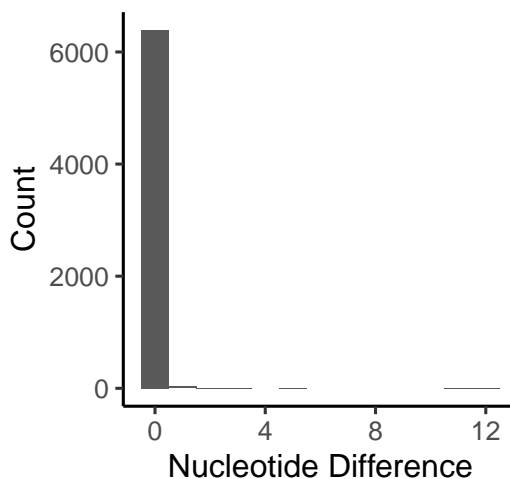
### TRBV19\*ap01

6495 sequences assigned  
6476 (99.7%) exact matches, in which:  
6473 unique CDR3  
13 unique J



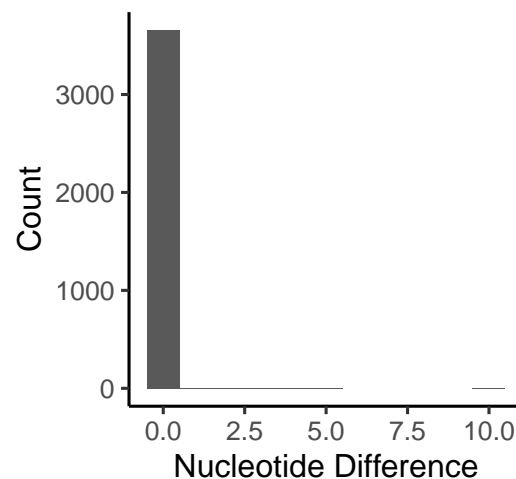
### TRBV27\*ap01

6430 sequences assigned  
6391 (99.4%) exact matches, in which:  
6370 unique CDR3  
13 unique J



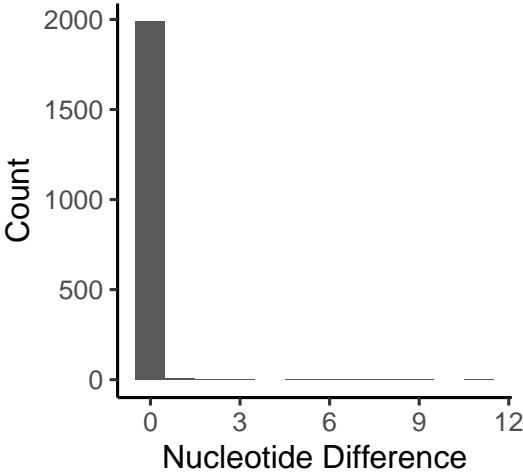
### TRBV9\*ap01

3670 sequences assigned  
3658 (99.7%) exact matches, in which:  
3651 unique CDR3  
13 unique J



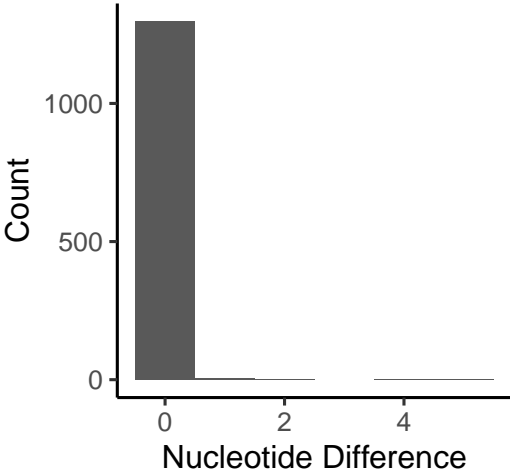
TRBV21-1\*ap01

2012 sequences assigned  
1989 (98.9%) exact matches, in which:  
1989 unique CDR3  
13 unique J



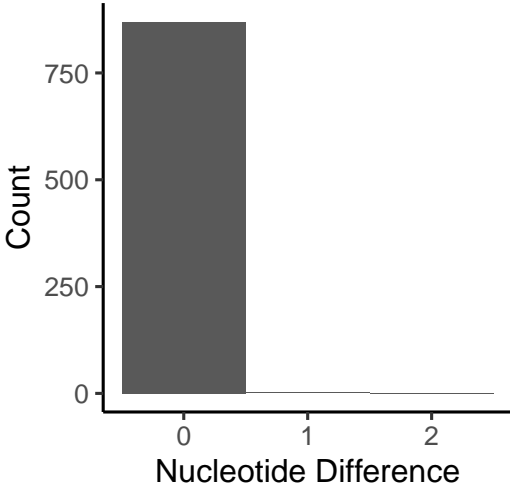
TRBV11-3\*ap01

1305 sequences assigned  
1297 (99.4%) exact matches, in which:  
1293 unique CDR3  
13 unique J



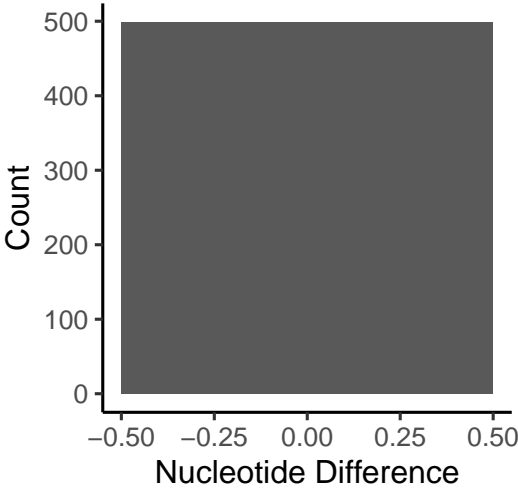
TRBV12-5\*ap01

873 sequences assigned  
870 (99.7%) exact matches, in which:  
869 unique CDR3  
13 unique J



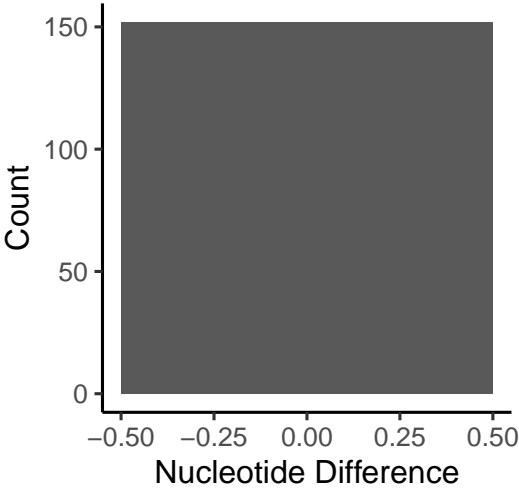
TRBV11-1\*ap01

499 sequences assigned  
499 (100%) exact matches, in which:  
499 unique CDR3  
13 unique J



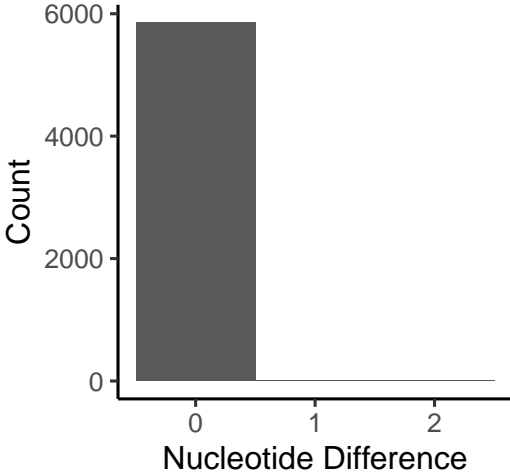
TRBV12-1\*ap01

152 sequences assigned  
152 (100%) exact matches, in which:  
152 unique CDR3  
13 unique J



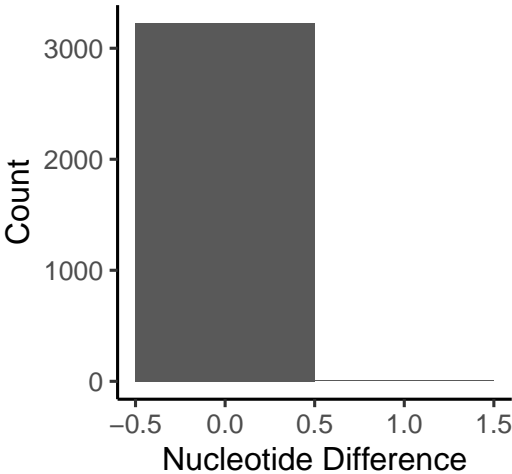
TRBV12-34\*ap01

5866 sequences assigned  
5853 (99.8%) exact matches, in which:  
5843 unique CDR3  
13 unique J



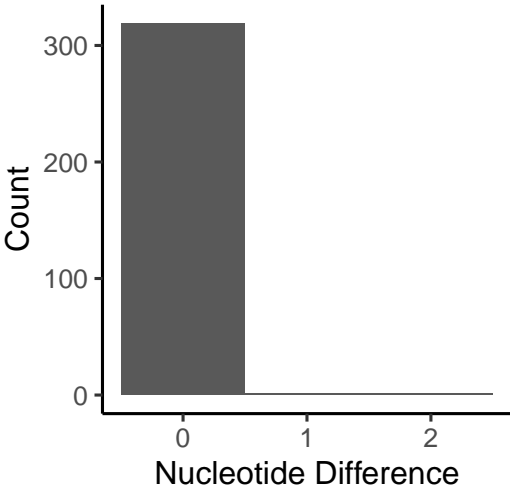
TRBV11-2\*ap01

3233 sequences assigned  
3227 (99.8%) exact matches, in which:  
3221 unique CDR3  
13 unique J



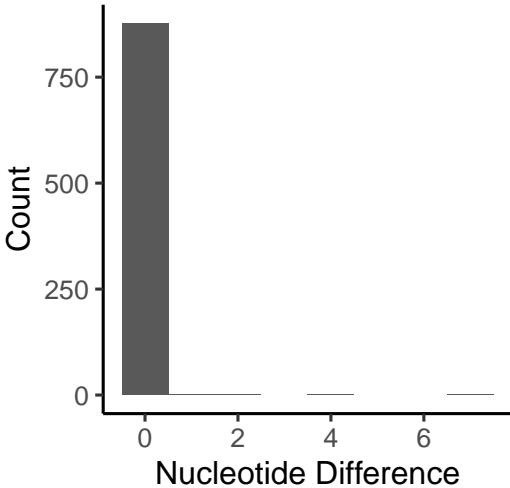
TRBV12-2\*ap01

321 sequences assigned  
319 (99.4%) exact matches, in which:  
319 unique CDR3  
13 unique J



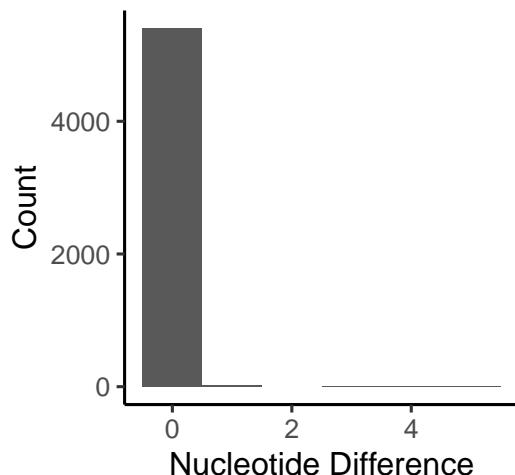
TRBV23-1\*ap01

881 sequences assigned  
877 (99.5%) exact matches, in which:  
877 unique CDR3  
13 unique J



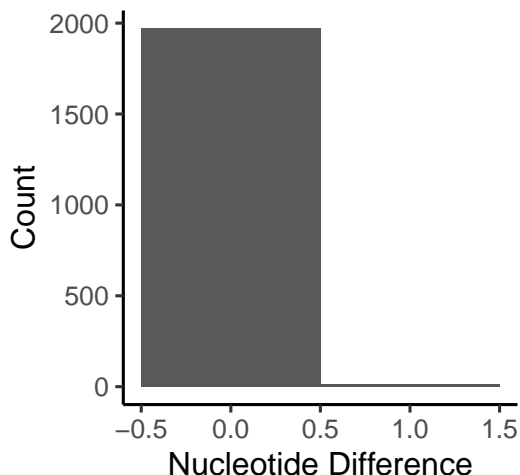
### TRBV3-12\*ap01

5430 sequences assigned  
5400 (99.4%) exact matches, in which:  
5376 unique CDR3  
13 unique J



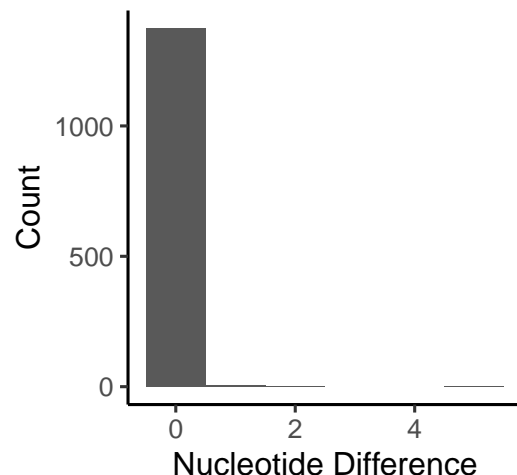
### TRBV4-2\*ap01

1987 sequences assigned  
1971 (99.2%) exact matches, in which:  
1966 unique CDR3  
13 unique J



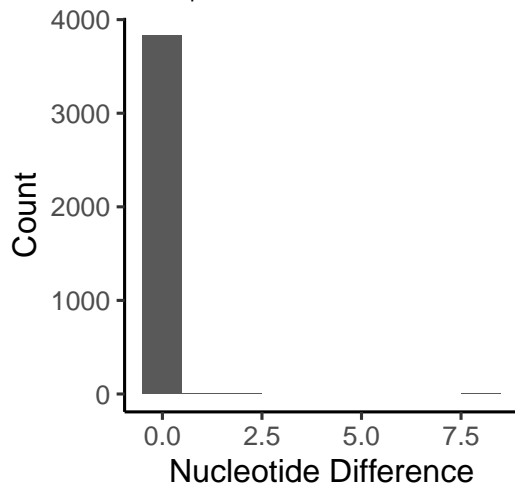
### TRBV25-1\*ap01

1381 sequences assigned  
1374 (99.5%) exact matches, in which:  
1373 unique CDR3  
13 unique J



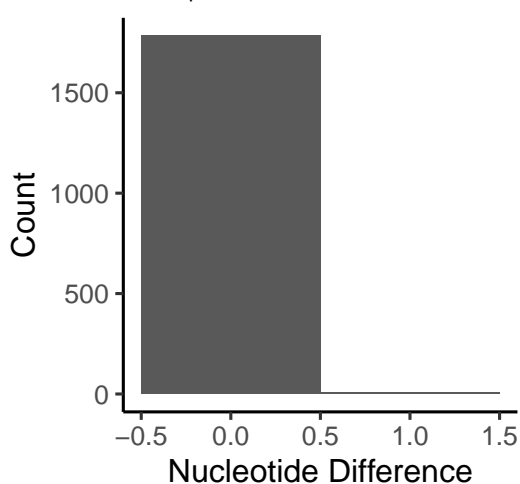
### TRBV4-1\*ap01

3834 sequences assigned  
3828 (99.8%) exact matches, in which:  
3814 unique CDR3  
13 unique J



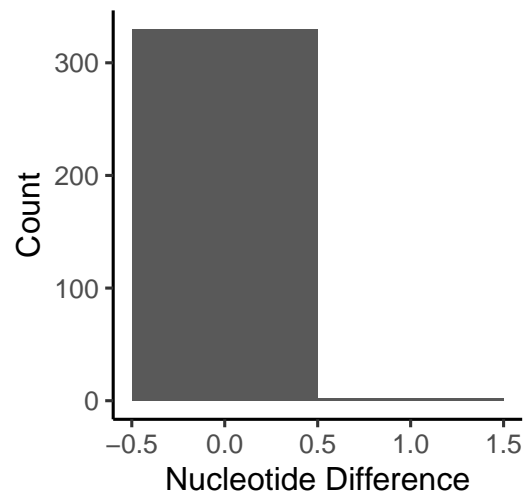
### TRBV4-3\*ap01

1789 sequences assigned  
1784 (99.7%) exact matches, in which:  
1781 unique CDR3  
13 unique J



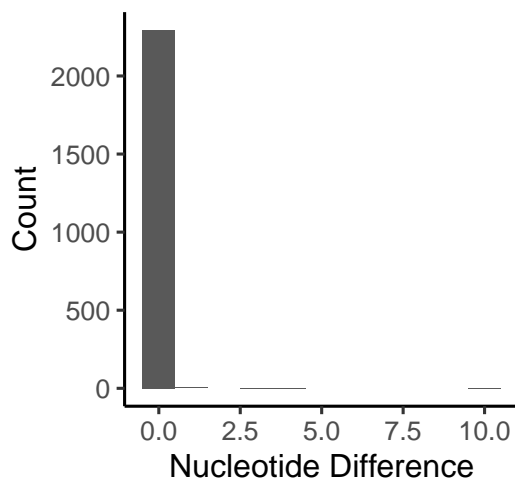
### TRBV5-3\*ap01

332 sequences assigned  
330 (99.4%) exact matches, in which:  
330 unique CDR3  
13 unique J



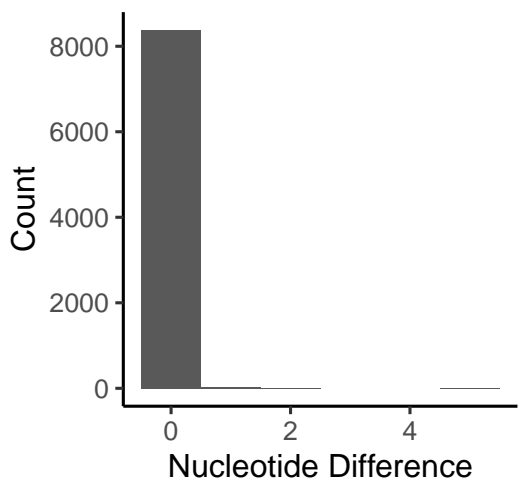
### TRBV24-1\*ap01

2305 sequences assigned  
2294 (99.5%) exact matches, in which:  
2287 unique CDR3  
13 unique J



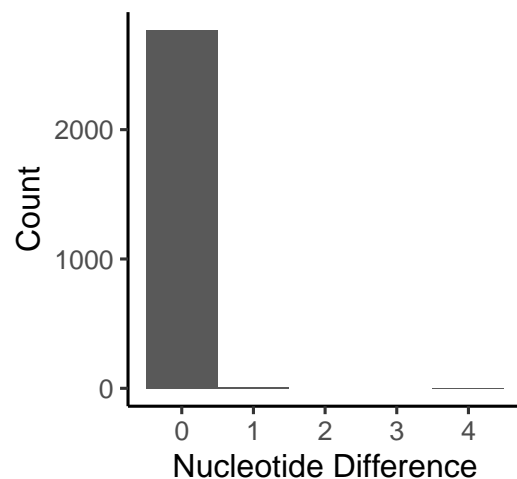
### TRBV5-1\*ap01

8405 sequences assigned  
8379 (99.7%) exact matches, in which:  
8335 unique CDR3  
13 unique J



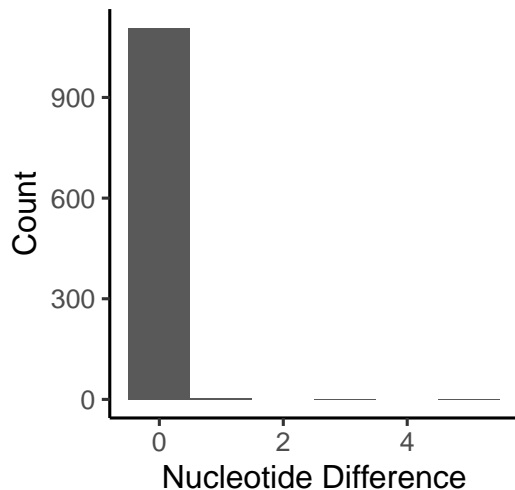
### TRBV5-4\*ap01

2779 sequences assigned  
2770 (99.7%) exact matches, in which:  
2764 unique CDR3  
13 unique J



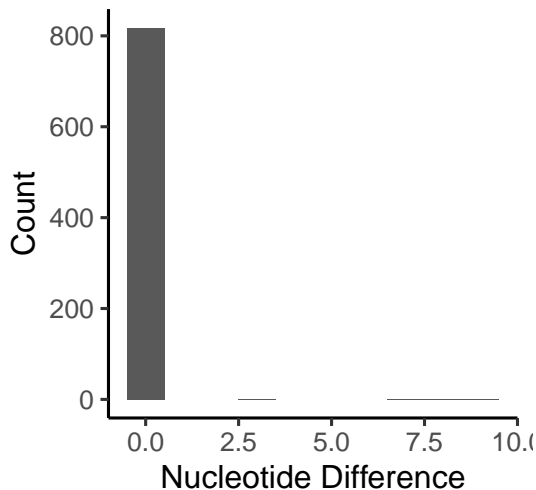
### TRBV5-5\*ap01

1113 sequences assigned  
1108 (99.6%) exact matches, in which:  
1108 unique CDR3  
13 unique J



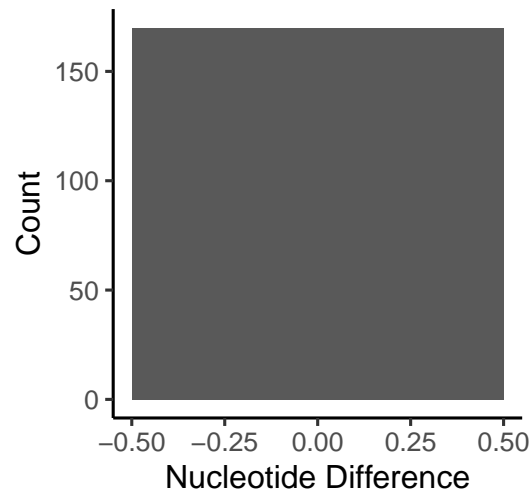
### TRBV5-8\*ap01

822 sequences assigned  
818 (99.5%) exact matches, in which:  
818 unique CDR3  
13 unique J



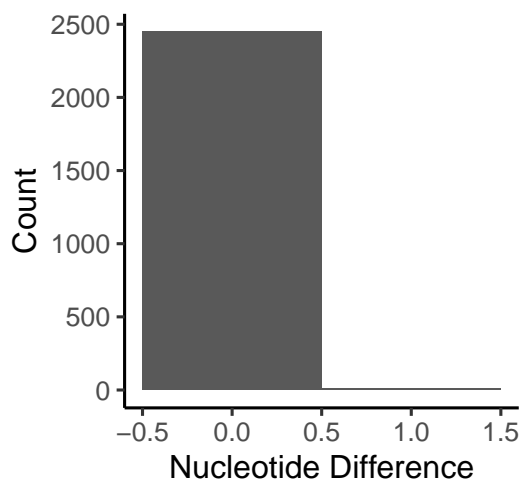
### TRBV6-7\*ap01

170 sequences assigned  
170 (100%) exact matches, in which:  
170 unique CDR3  
13 unique J



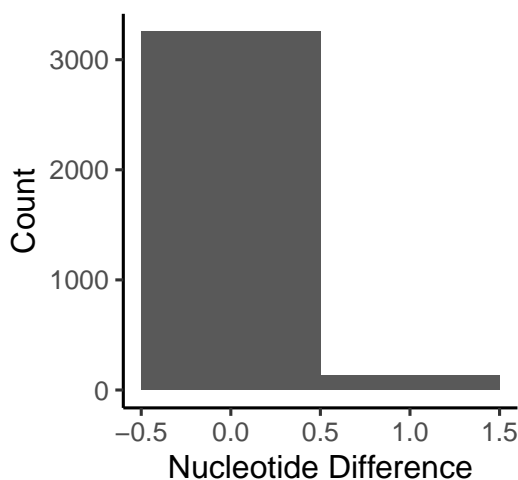
### TRBV5-6\*ap01

2462 sequences assigned  
2449 (99.5%) exact matches, in which:  
2445 unique CDR3  
13 unique J



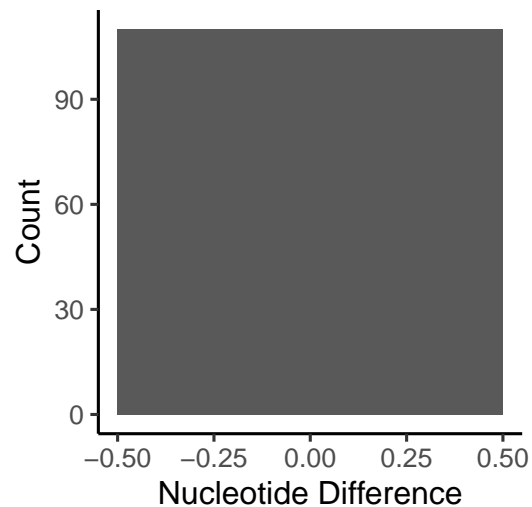
### TRBV6-1\*ap01

3388 sequences assigned  
3254 (96%) exact matches, in which:  
3243 unique CDR3  
13 unique J



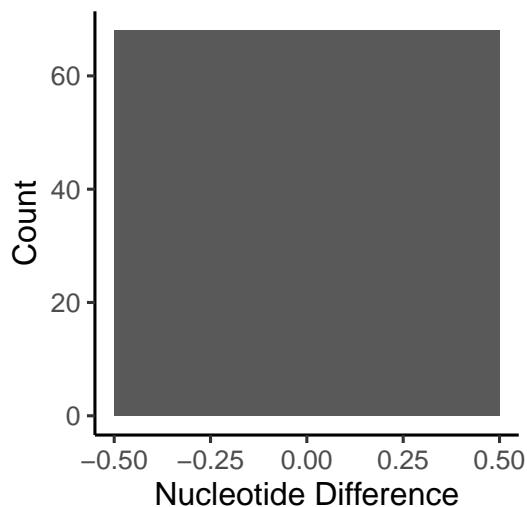
### TRBV6-8\*ap01

110 sequences assigned  
110 (100%) exact matches, in which:  
109 unique CDR3  
13 unique J



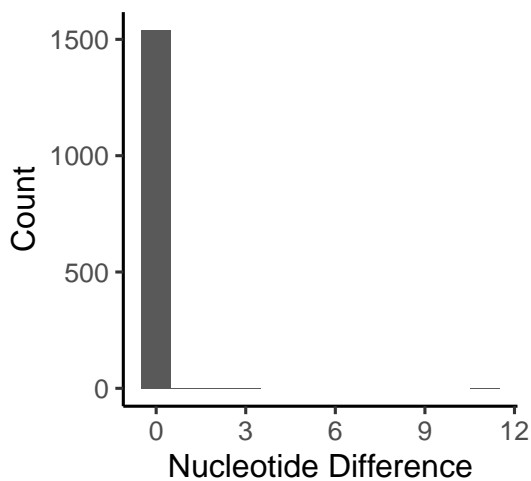
### TRBV5-7\*ap01

68 sequences assigned  
68 (100%) exact matches, in which:  
68 unique CDR3  
13 unique J



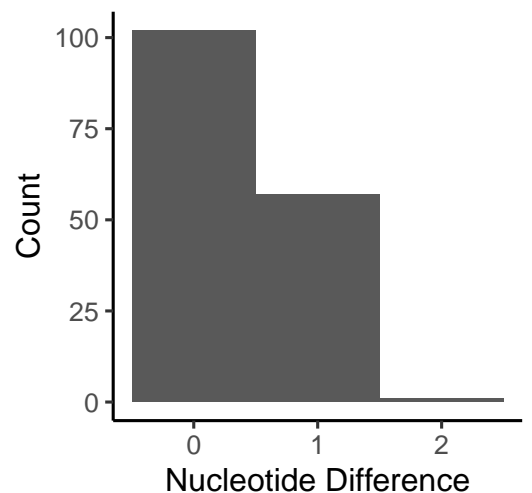
### TRBV6-4\*ap01

1546 sequences assigned  
1540 (99.6%) exact matches, in which:  
1539 unique CDR3  
13 unique J



### TRBV6-9\*ap01

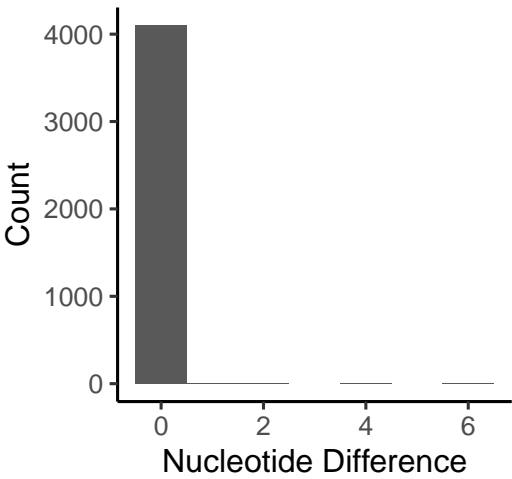
160 sequences assigned  
102 (63.8%) exact matches, in which:  
101 unique CDR3  
13 unique J





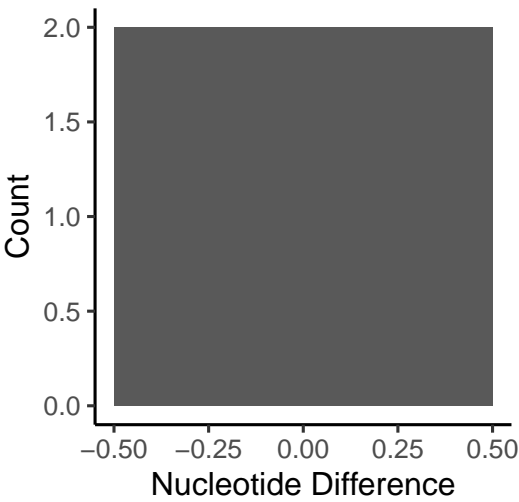
TRBV6-23\*ap01

4118 sequences assigned  
4100 (99.6%) exact matches, in which:  
4087 unique CDR3  
13 unique J



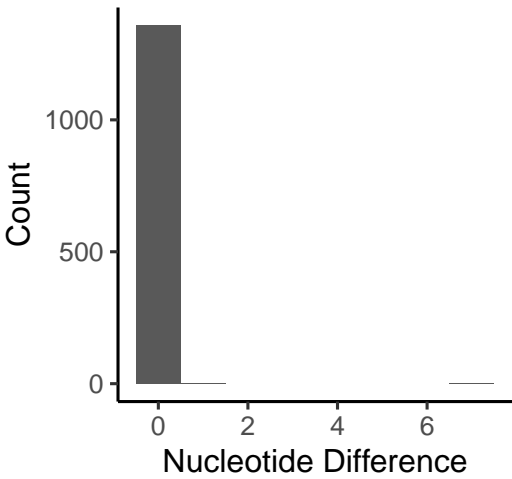
TRBV7-1\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



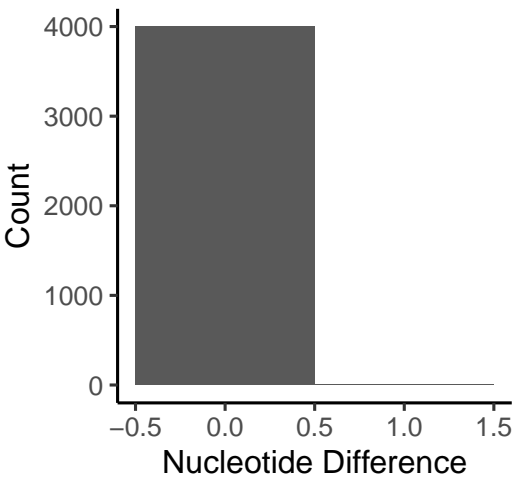
TRBV7-3\*ap01

1360 sequences assigned  
1358 (99.9%) exact matches, in which:  
1354 unique CDR3  
13 unique J



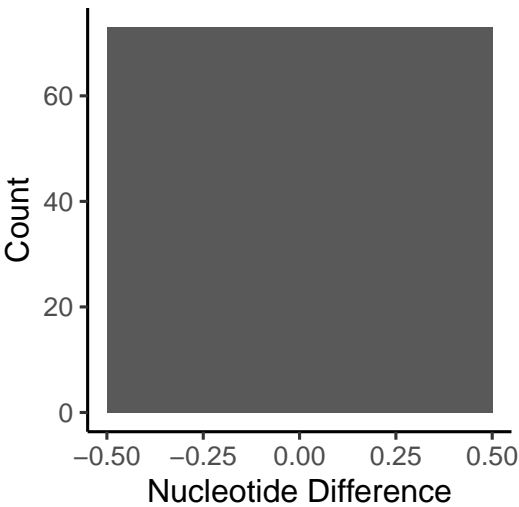
TRBV6-56\*ap01

4008 sequences assigned  
3998 (99.8%) exact matches, in which:  
3986 unique CDR3  
13 unique J



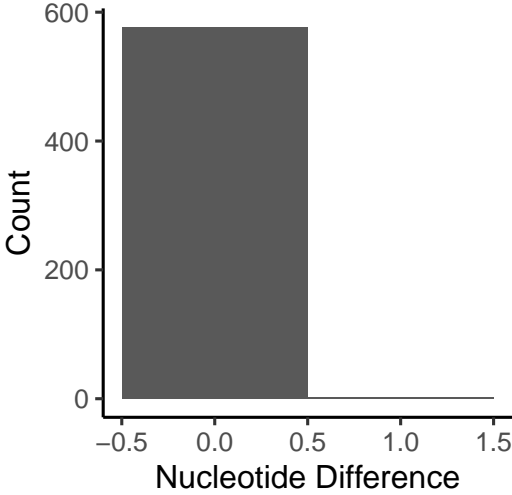
TRBV7-1\*ap01\_G291C\_T

73 sequences assigned  
73 (100%) exact matches, in which:  
73 unique CDR3  
12 unique J



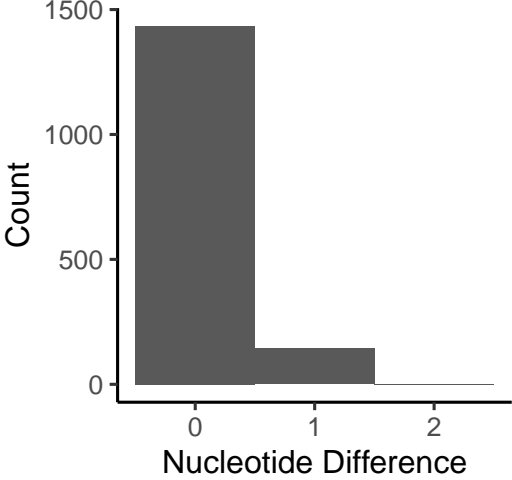
TRBV7-3\*ap03

579 sequences assigned  
577 (99.7%) exact matches, in which:  
576 unique CDR3  
13 unique J



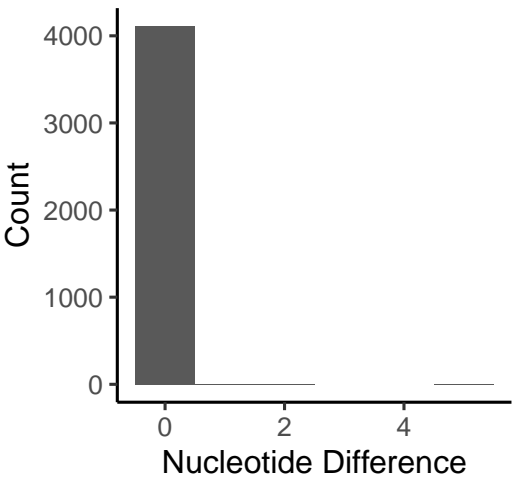
TRBV6-56\*ap02

1578 sequences assigned  
1434 (90.9%) exact matches, in which:  
1431 unique CDR3  
13 unique J



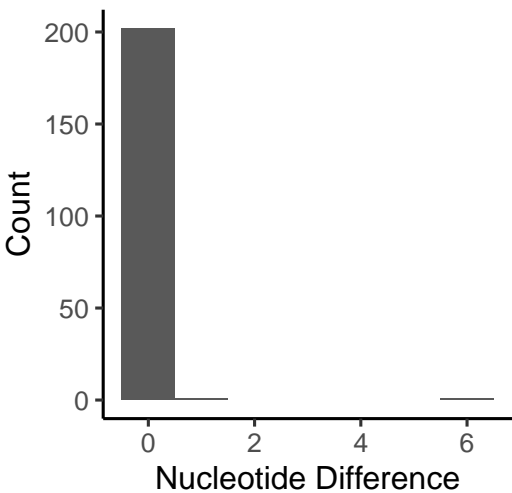
TRBV7-2\*ap01

4120 sequences assigned  
4112 (99.8%) exact matches, in which:  
4109 unique CDR3  
13 unique J



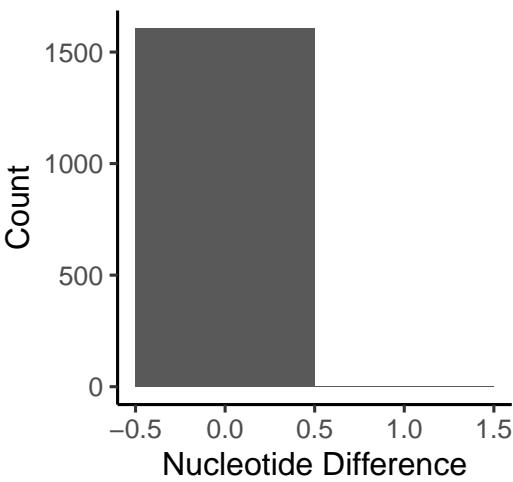
TRBV7-4\*ap01

204 sequences assigned  
202 (99%) exact matches, in which:  
202 unique CDR3  
13 unique J



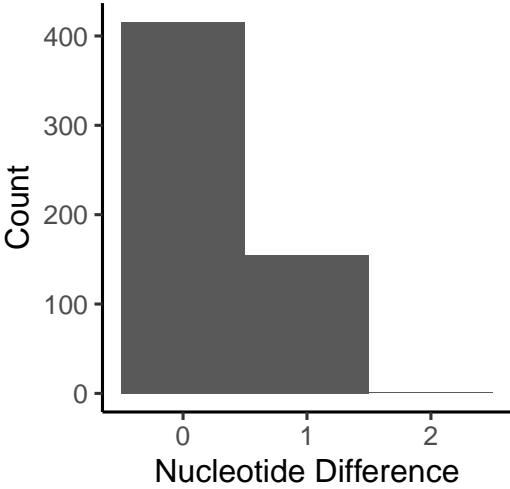
TRBV7-6\*ap01

1608 sequences assigned  
1606 (99.9%) exact matches, in which:  
1603 unique CDR3  
13 unique J



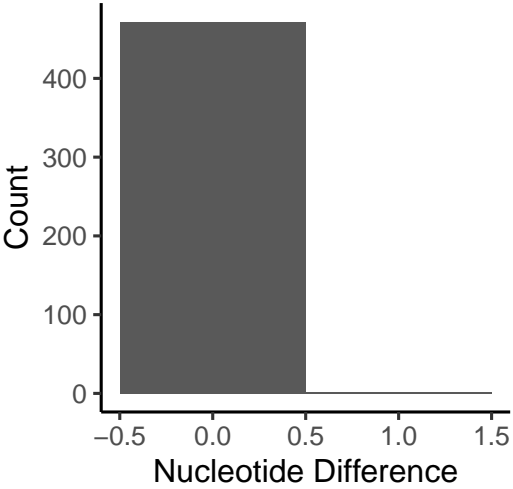
TRBV7-8\*ap03

572 sequences assigned  
416 (72.7%) exact matches, in which:  
415 unique CDR3  
13 unique J



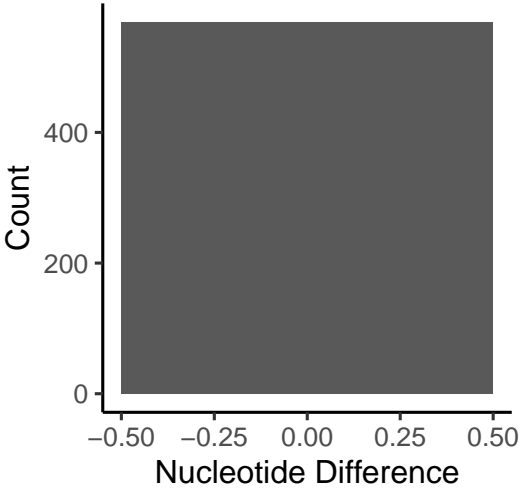
TRBV29-1\*ap02

474 sequences assigned  
472 (99.6%) exact matches, in which:  
470 unique CDR3  
13 unique J



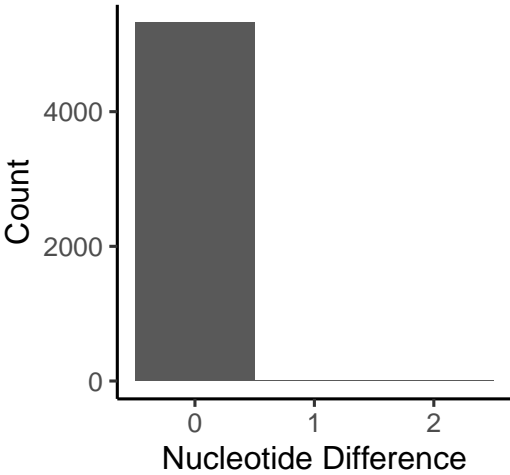
TRBV7-7\*ap01\_C315T

569 sequences assigned  
569 (100%) exact matches, in which:  
568 unique CDR3  
13 unique J



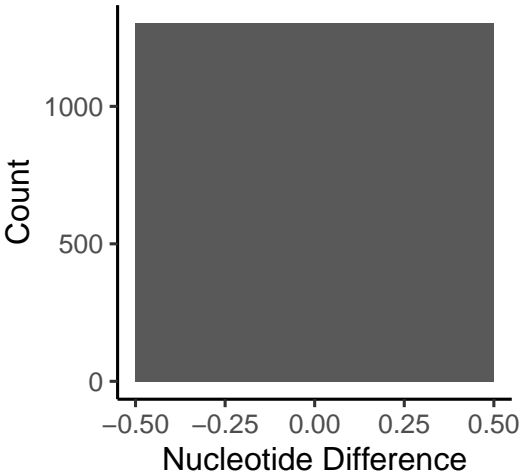
TRBV7-9\*ap01

5336 sequences assigned  
5321 (99.7%) exact matches, in which:  
5319 unique CDR3  
13 unique J



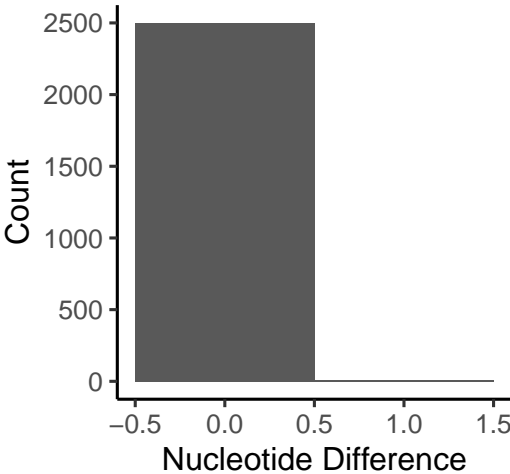
TRBV7-8\*ap01

1303 sequences assigned  
1303 (100%) exact matches, in which:  
1302 unique CDR3  
13 unique J

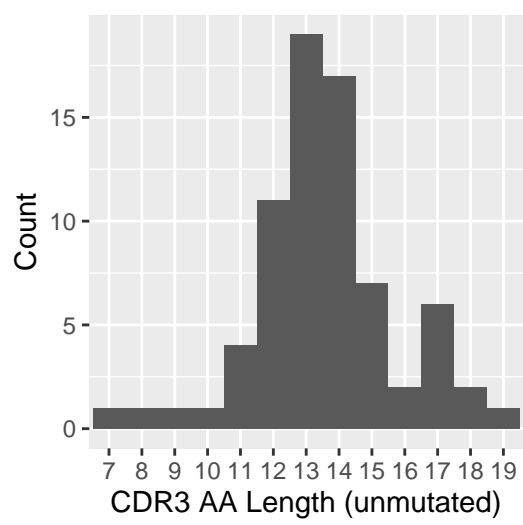


TRBV29-1\*ap01

2508 sequences assigned  
2499 (99.6%) exact matches, in which:  
2492 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

