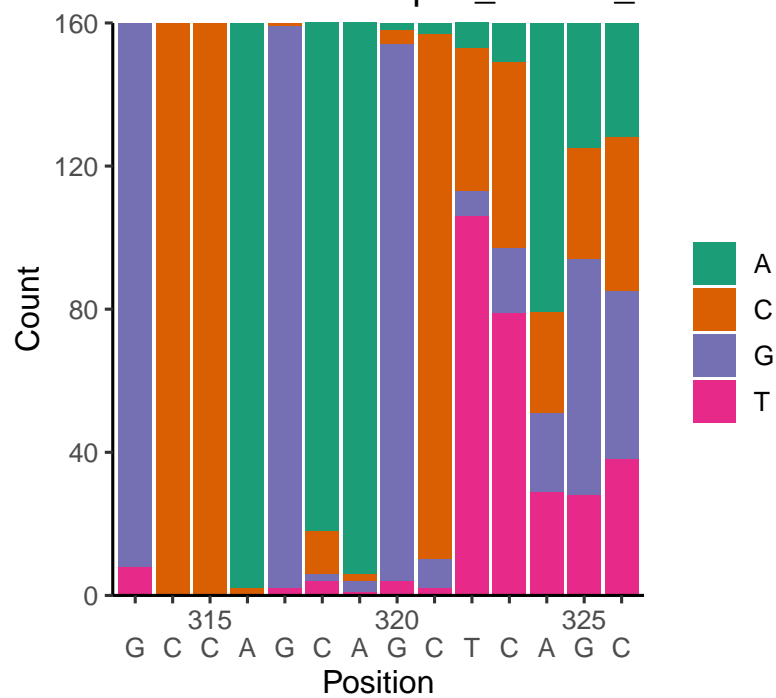
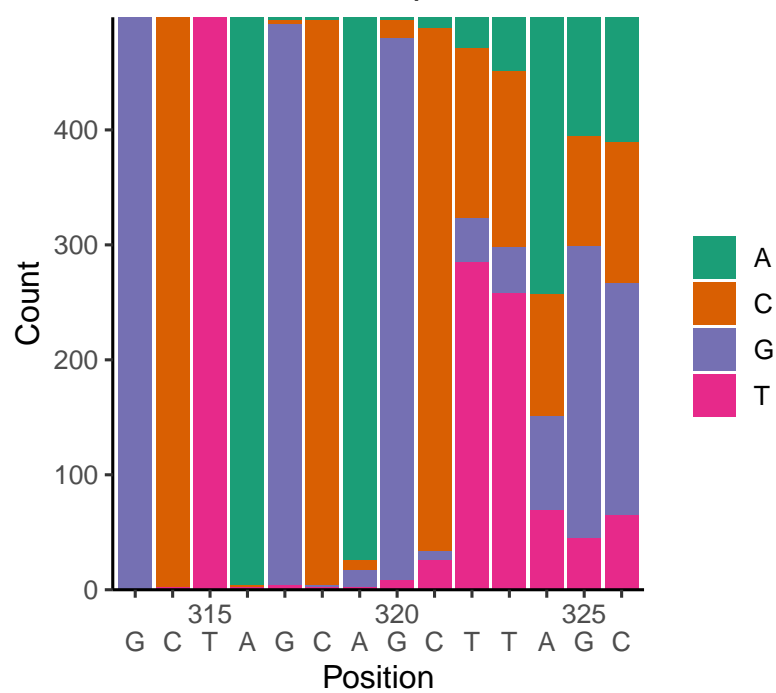


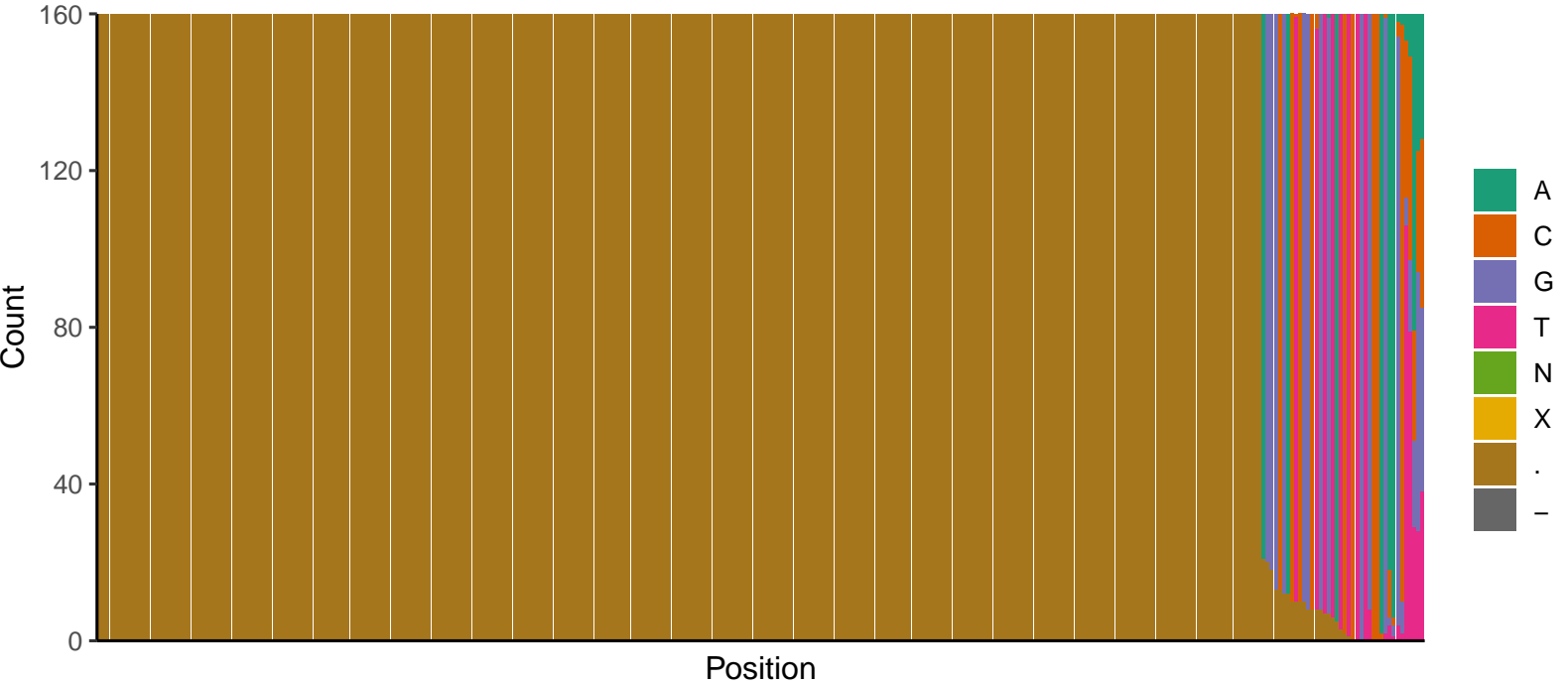
Gene TRBV7-1\*ap01\_G291C\_T296C



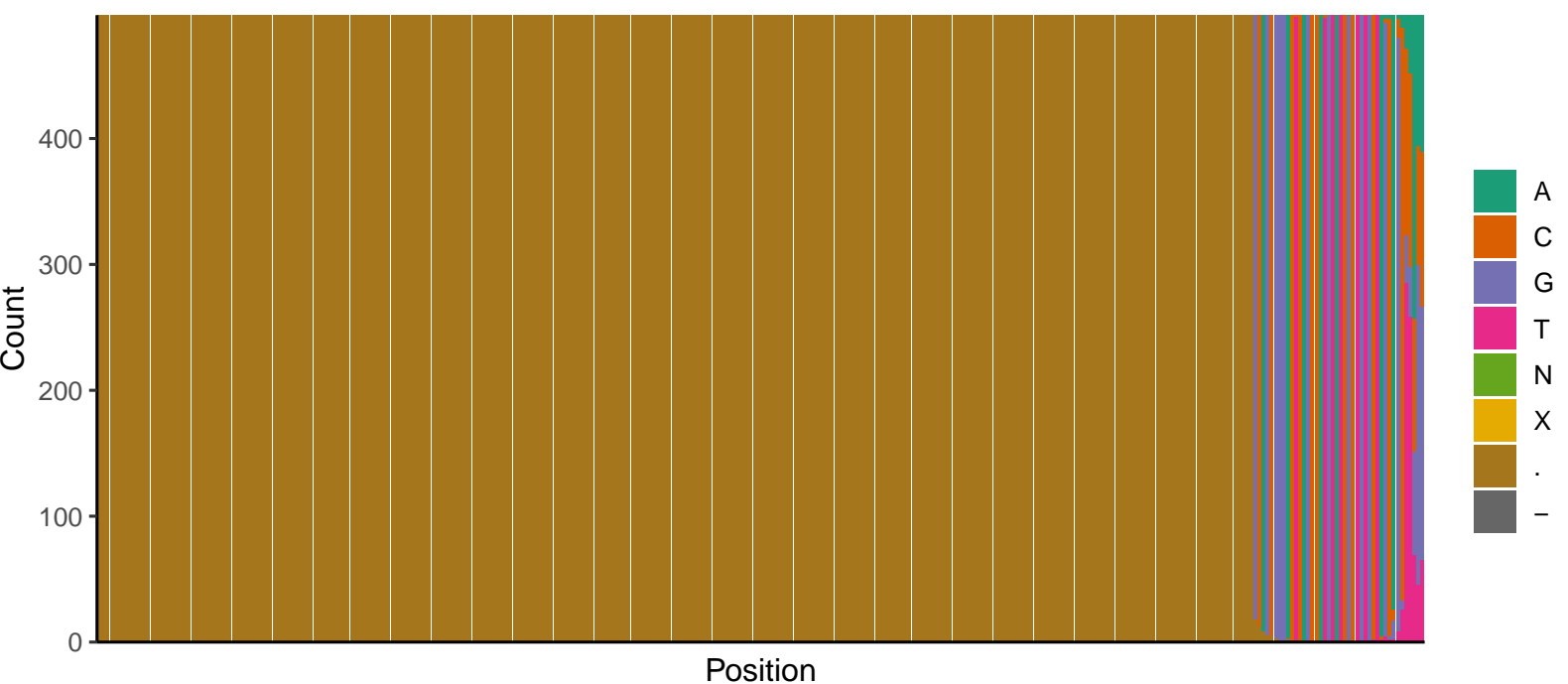
Gene TRBV7-7\*ap01\_C315T



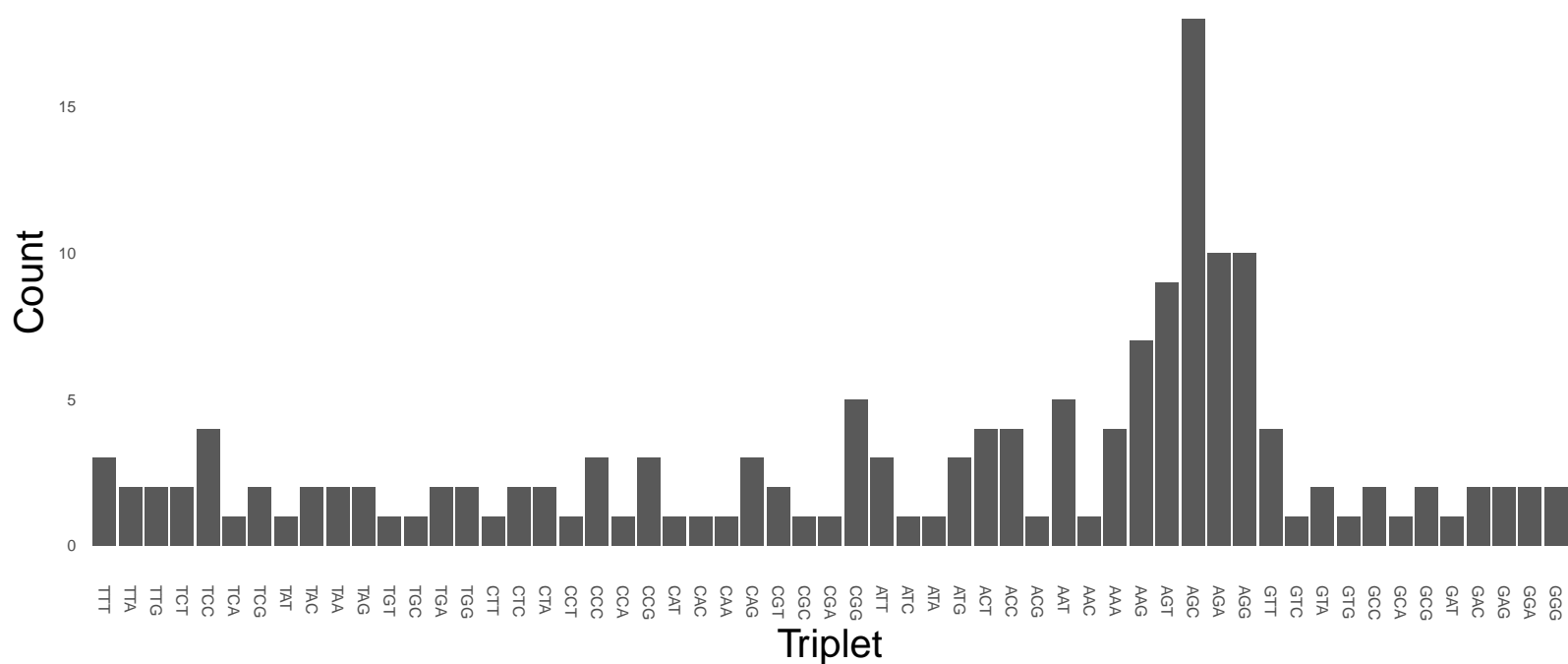
Gene TRBV7-1\*ap01\_G291C\_T296C



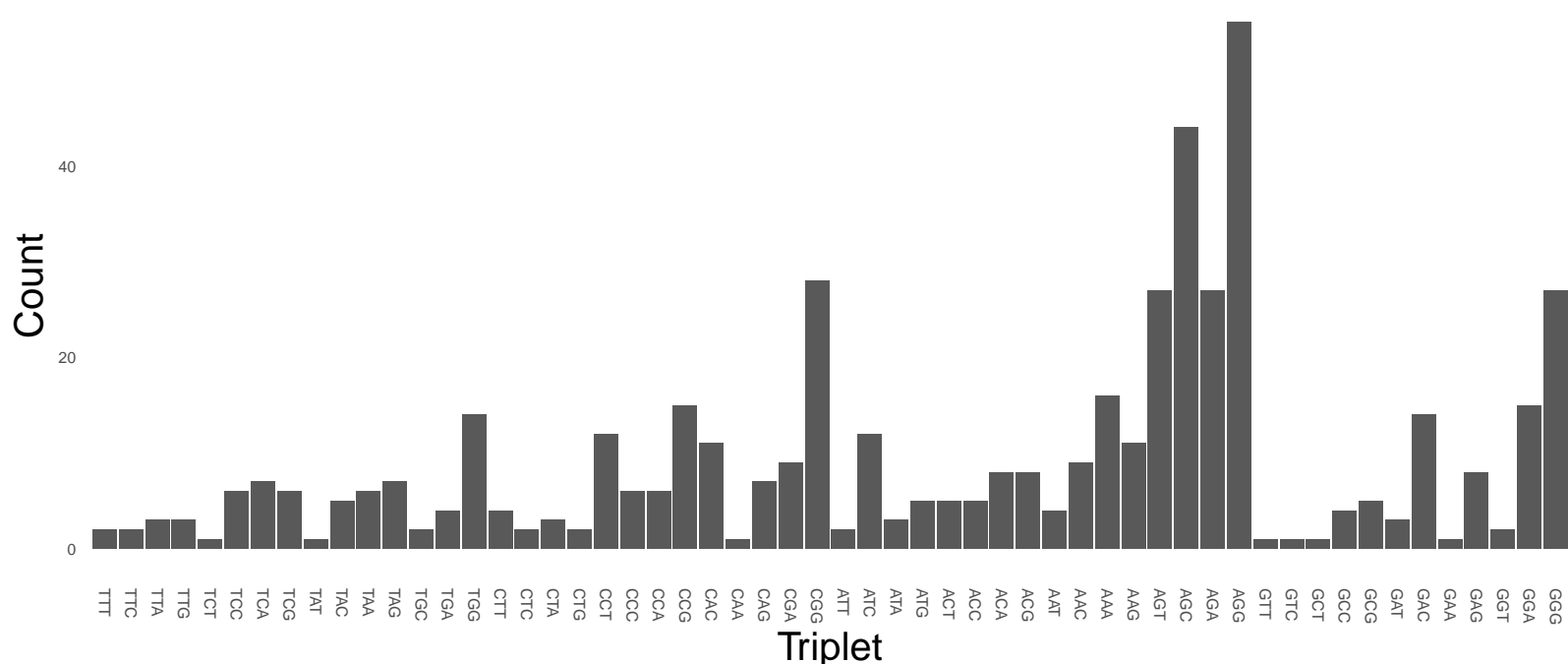
Gene TRBV7-7\*ap01\_C315T



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

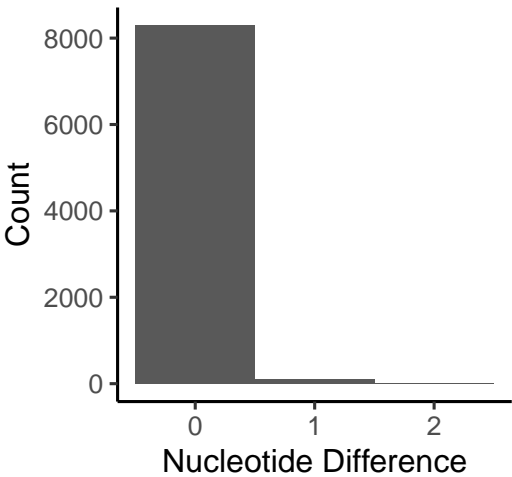


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



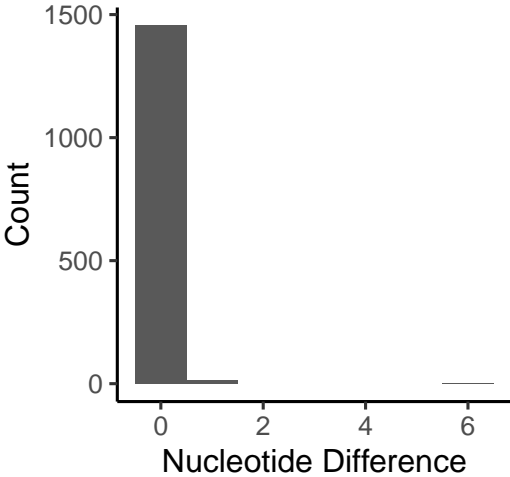
TRBV20-1\*ap01

8406 sequences assigned  
8294 (98.7%) exact matches, in which:  
8134 unique CDR3  
13 unique J



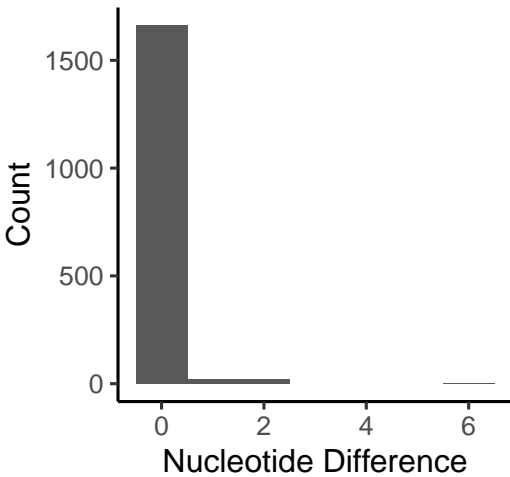
TRBV10-2\*ap01

1471 sequences assigned  
1456 (99%) exact matches, in which:  
1425 unique CDR3  
13 unique J



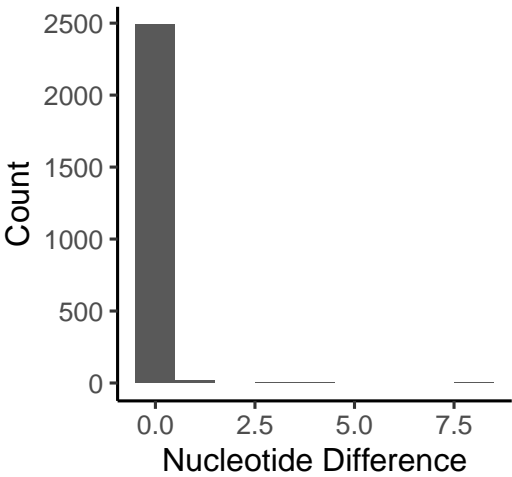
TRBV13\*ap01

1708 sequences assigned  
1662 (97.3%) exact matches, in which:  
1620 unique CDR3  
13 unique J



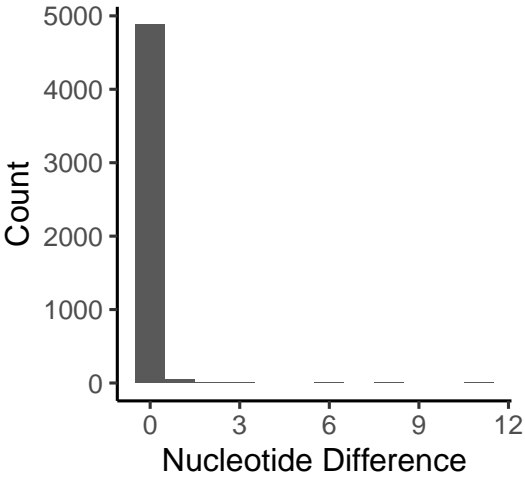
TRBV10-1\*ap01

2512 sequences assigned  
2489 (99.1%) exact matches, in which:  
2415 unique CDR3  
13 unique J



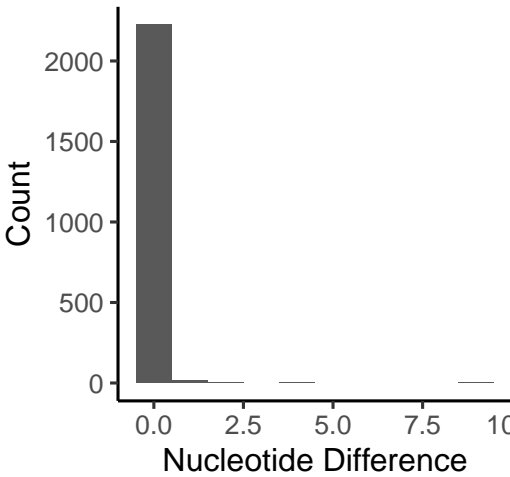
TRBV10-3\*ap01

4942 sequences assigned  
4879 (98.7%) exact matches, in which:  
4768 unique CDR3  
13 unique J



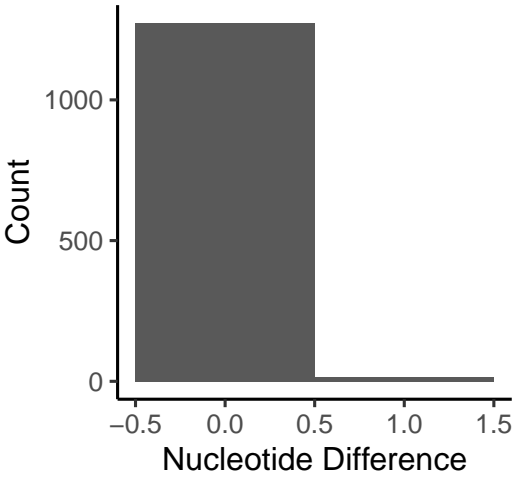
TRBV14\*ap01

2246 sequences assigned  
2225 (99.1%) exact matches, in which:  
2171 unique CDR3  
13 unique J



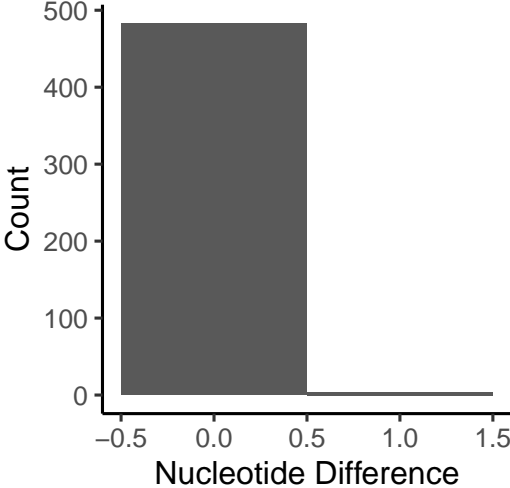
TRBV20-1\*ap02

1289 sequences assigned  
1273 (98.8%) exact matches, in which:  
1252 unique CDR3  
13 unique J



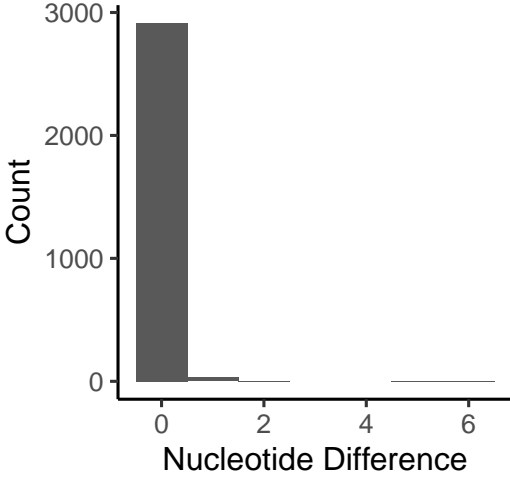
TRBV1\*ap01

487 sequences assigned  
483 (99.2%) exact matches, in which:  
472 unique CDR3  
13 unique J



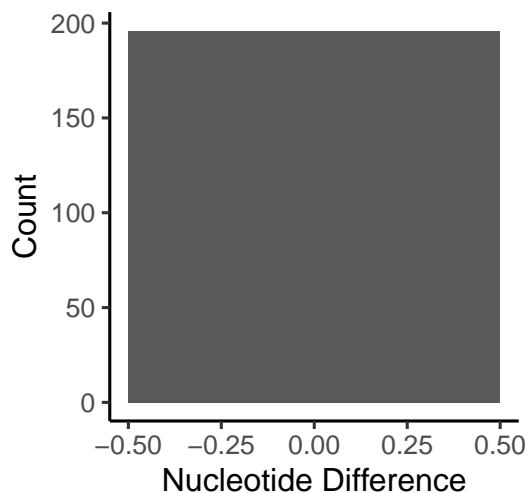
TRBV15\*ap02

2948 sequences assigned  
2914 (98.8%) exact matches, in which:  
2838 unique CDR3  
13 unique J



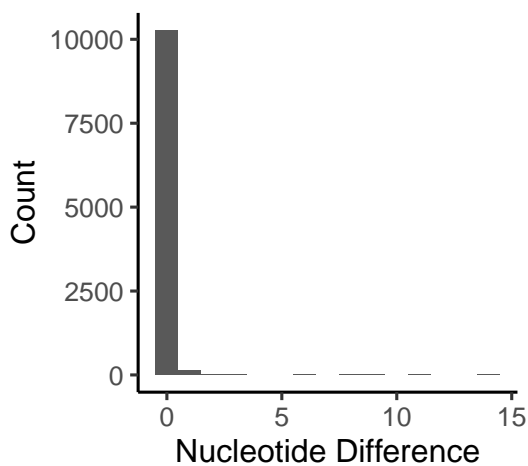
### TRBV16\*ap01

196 sequences assigned  
196 (100%) exact matches, in which:  
196 unique CDR3  
13 unique J



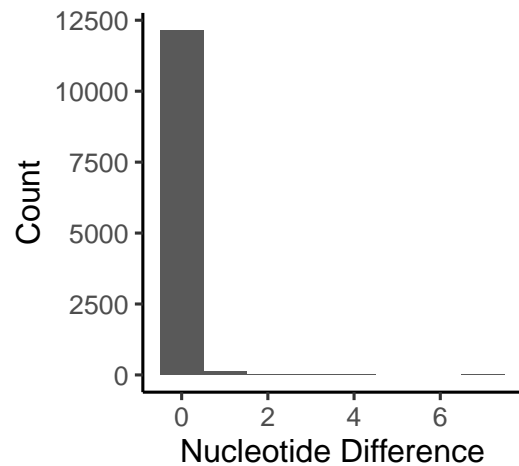
### TRBV19\*ap01

10423 sequences assigned  
10273 (98.6%) exact matches, in which:  
10111 unique CDR3  
13 unique J



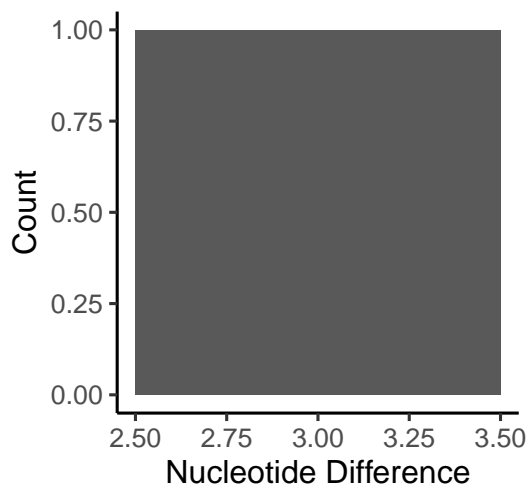
### TRBV28\*ap01

12299 sequences assigned  
12151 (98.8%) exact matches, in which:  
11848 unique CDR3  
13 unique J



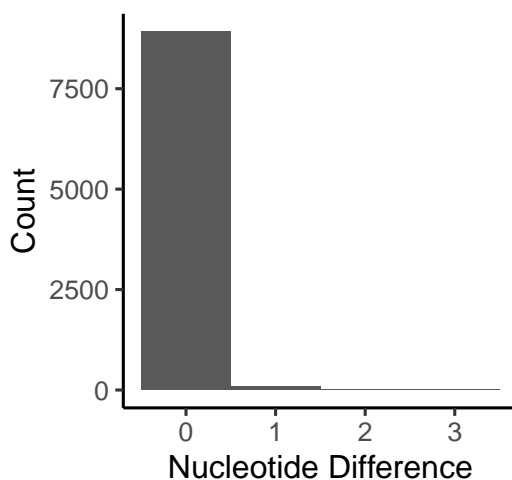
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



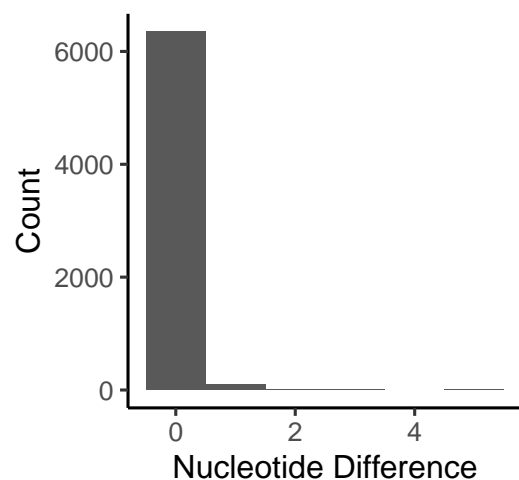
### TRBV2\*ap01

9009 sequences assigned  
8919 (99%) exact matches, in which:  
8750 unique CDR3  
13 unique J



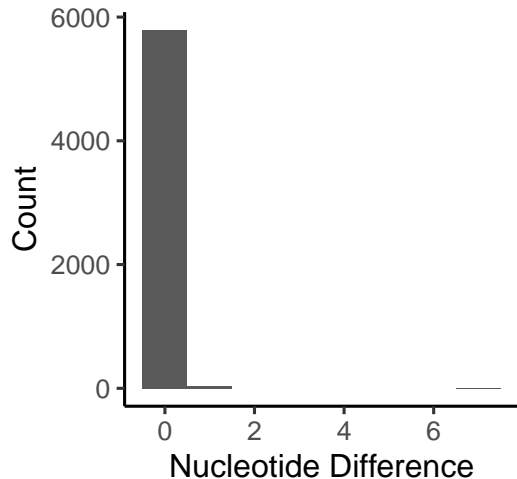
### TRBV30\*ap01

6461 sequences assigned  
6349 (98.3%) exact matches, in which:  
6257 unique CDR3  
13 unique J



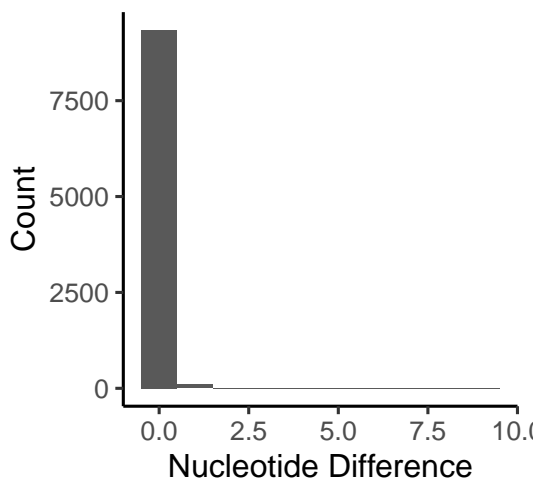
### TRBV18\*ap01

5825 sequences assigned  
5790 (99.4%) exact matches, in which:  
5684 unique CDR3  
13 unique J



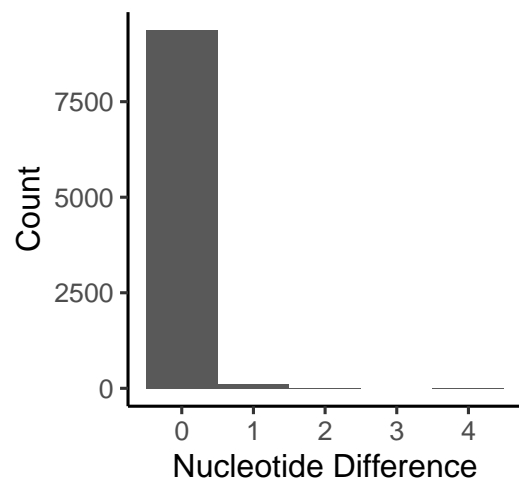
### TRBV27\*ap01

9467 sequences assigned  
9341 (98.7%) exact matches, in which:  
9053 unique CDR3  
13 unique J



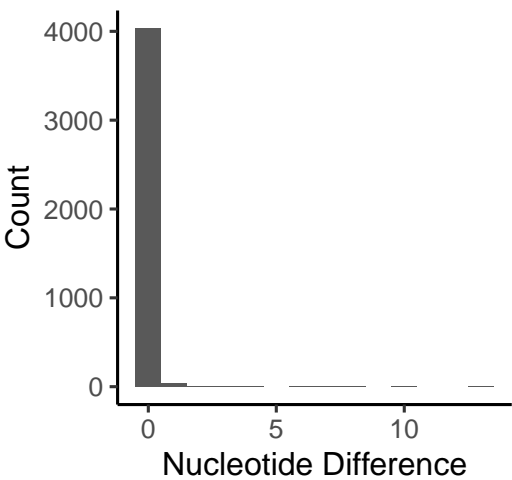
### TRBV9\*ap01

9483 sequences assigned  
9374 (98.9%) exact matches, in which:  
9169 unique CDR3  
13 unique J



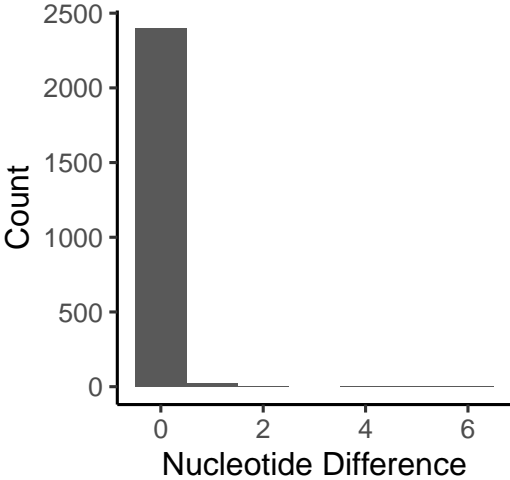
TRBV21-1\*ap01

4097 sequences assigned  
4033 (98.4%) exact matches, in which:  
3955 unique CDR3  
13 unique J



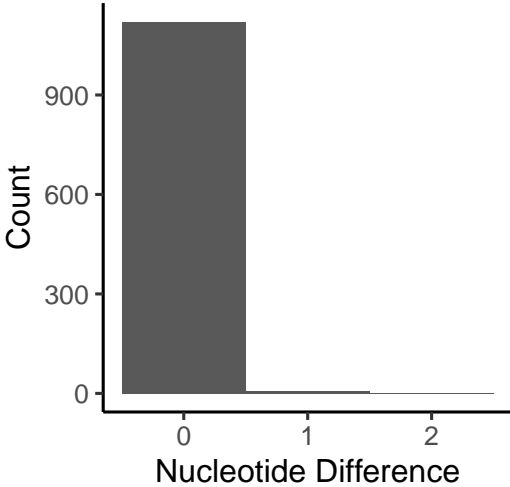
TRBV11-3\*ap01

2427 sequences assigned  
2398 (98.8%) exact matches, in which:  
2343 unique CDR3  
13 unique J



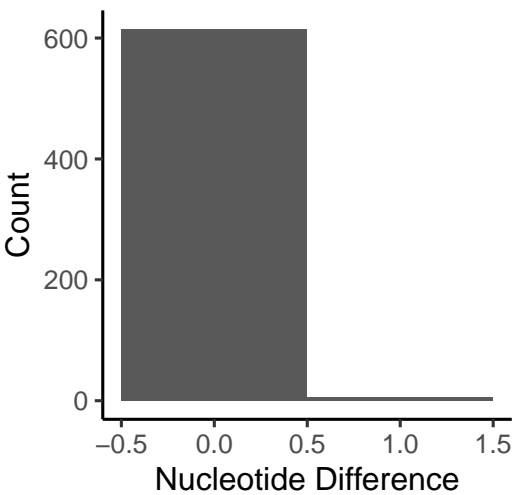
TRBV12-5\*ap01

1131 sequences assigned  
1121 (99.1%) exact matches, in which:  
1096 unique CDR3  
13 unique J



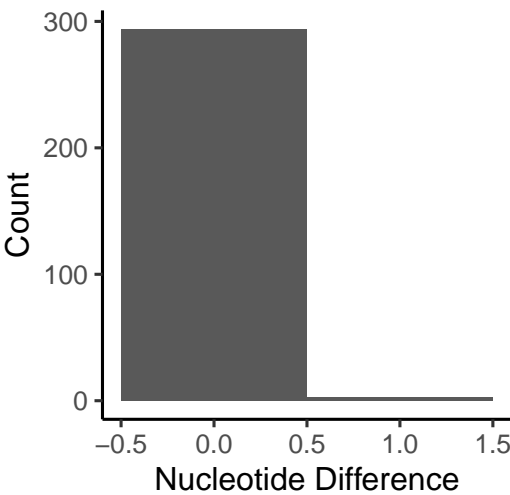
TRBV11-1\*ap01

620 sequences assigned  
615 (99.2%) exact matches, in which:  
596 unique CDR3  
13 unique J



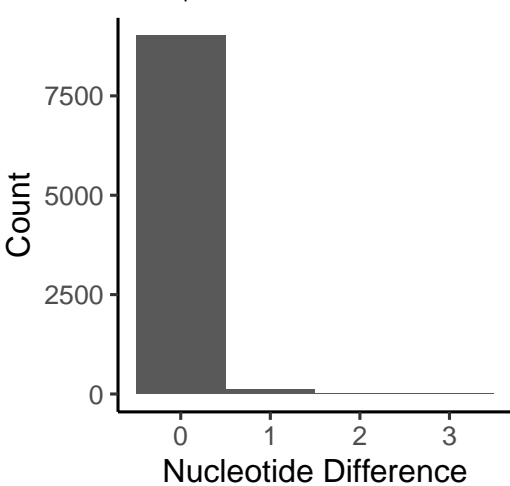
TRBV12-1\*ap01

297 sequences assigned  
294 (99%) exact matches, in which:  
289 unique CDR3  
13 unique J



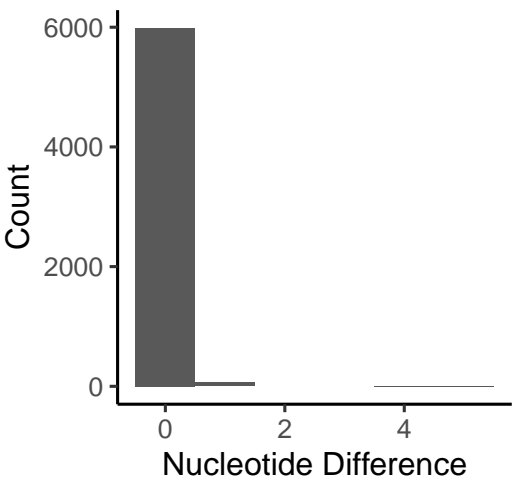
TRBV12-34\*ap01

9130 sequences assigned  
9013 (98.7%) exact matches, in which:  
8836 unique CDR3  
13 unique J



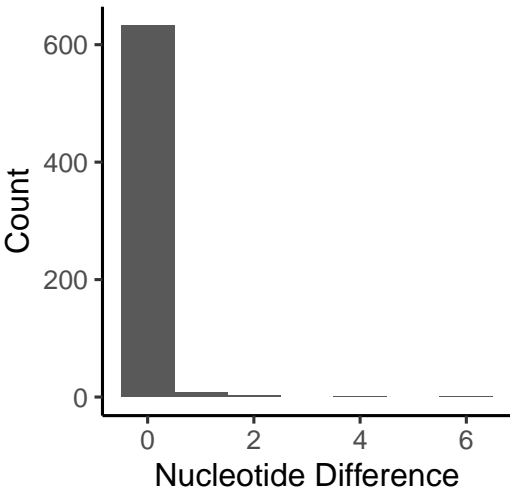
TRBV11-2\*ap01

6053 sequences assigned  
5986 (98.9%) exact matches, in which:  
5832 unique CDR3  
13 unique J



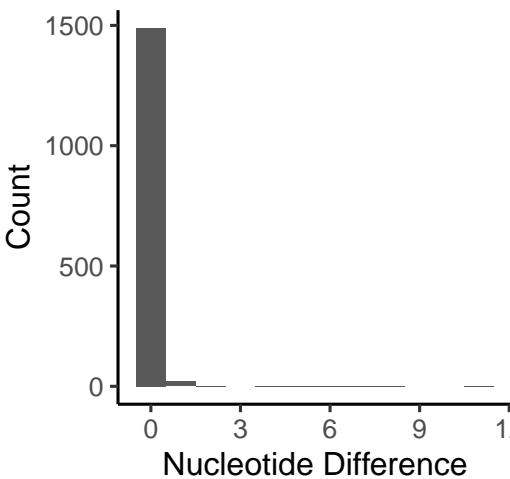
TRBV12-2\*ap01

646 sequences assigned  
633 (98%) exact matches, in which:  
617 unique CDR3  
13 unique J



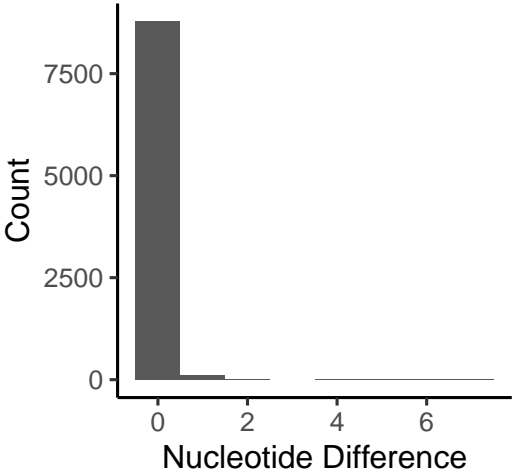
TRBV23-1\*ap01

1516 sequences assigned  
1489 (98.2%) exact matches, in which:  
1456 unique CDR3  
13 unique J



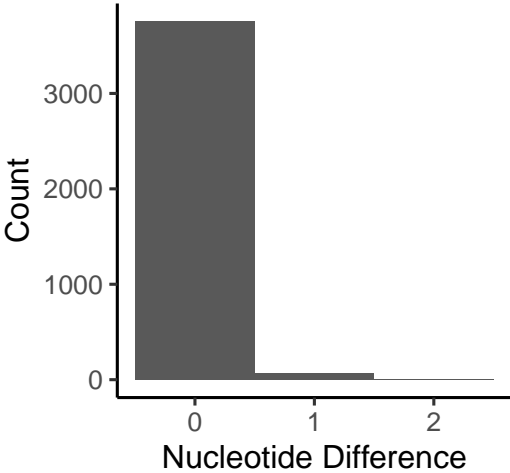
TRBV3-12\*ap01

8904 sequences assigned  
8780 (98.6%) exact matches, in which:  
8585 unique CDR3  
14 unique J



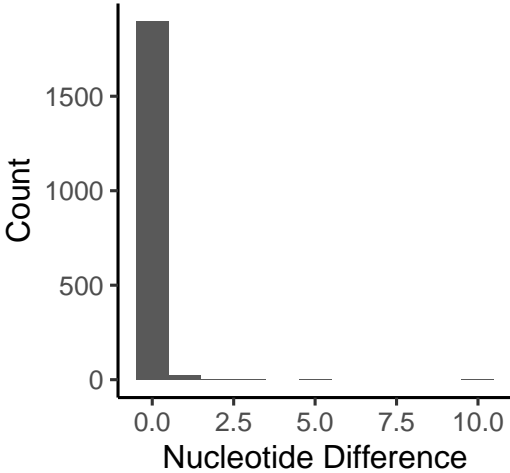
TRBV4-2\*ap01

3826 sequences assigned  
3755 (98.1%) exact matches, in which:  
3679 unique CDR3  
13 unique J



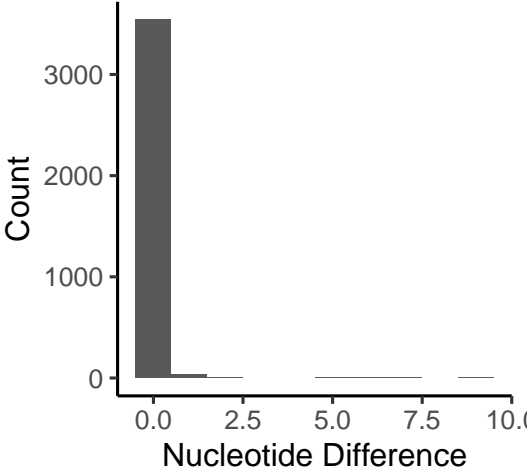
TRBV25-1\*ap01

1926 sequences assigned  
1896 (98.4%) exact matches, in which:  
1859 unique CDR3  
13 unique J



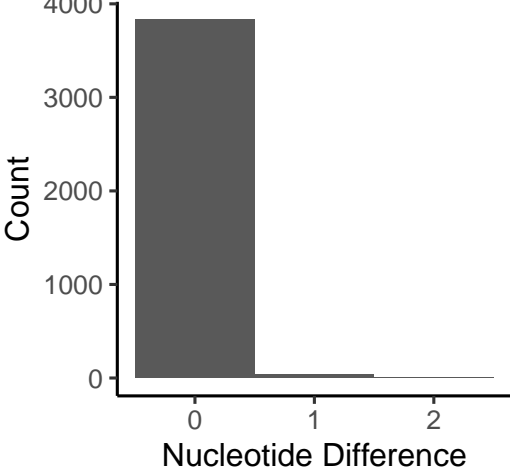
TRBV24-1\*ap01

3587 sequences assigned  
3541 (98.7%) exact matches, in which:  
3475 unique CDR3  
13 unique J



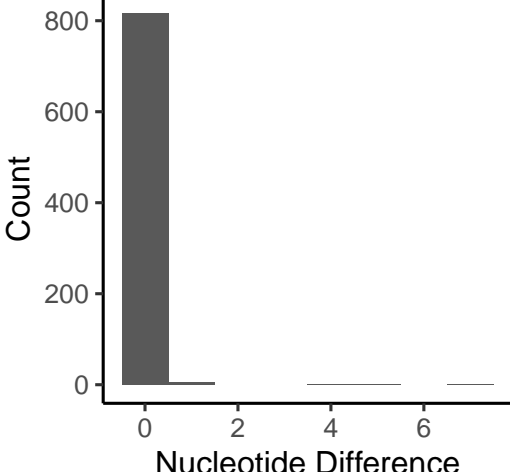
TRBV4-3\*ap01

3872 sequences assigned  
3830 (98.9%) exact matches, in which:  
3755 unique CDR3  
13 unique J



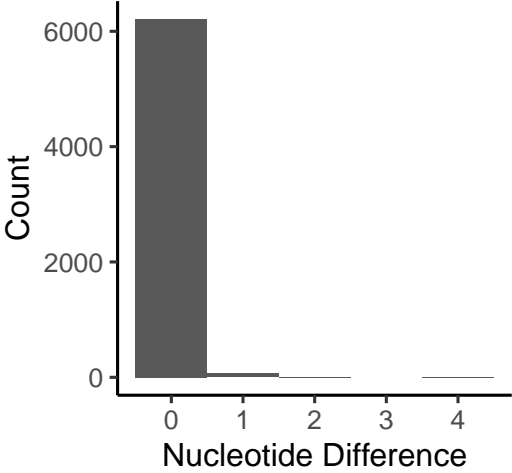
TRBV5-3\*ap01

826 sequences assigned  
817 (98.9%) exact matches, in which:  
799 unique CDR3  
13 unique J



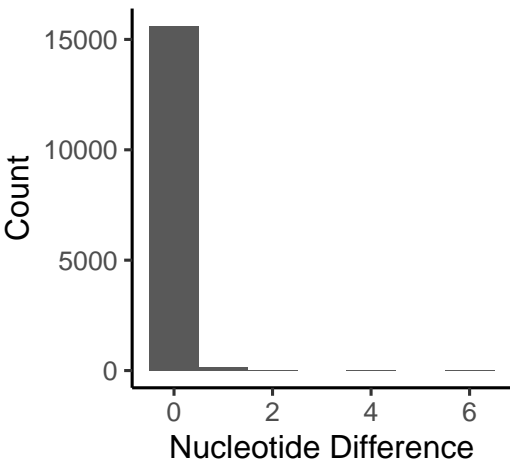
TRBV4-1\*ap01

6280 sequences assigned  
6212 (98.9%) exact matches, in which:  
6087 unique CDR3  
13 unique J



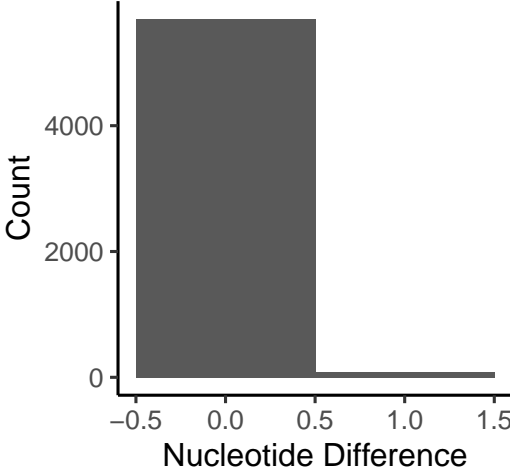
TRBV5-1\*ap01

15813 sequences assigned  
15617 (98.8%) exact matches, in which:  
15193 unique CDR3  
13 unique J



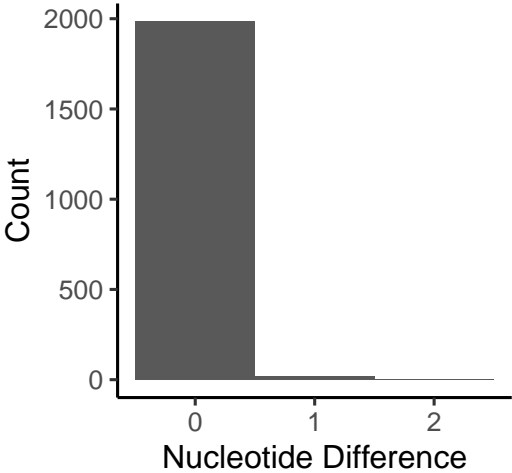
TRBV5-4\*ap01

5782 sequences assigned  
5695 (98.5%) exact matches, in which:  
5560 unique CDR3  
13 unique J



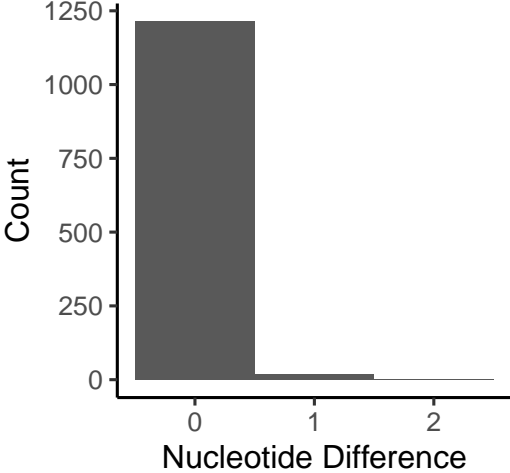
TRBV5-5\*ap01

2008 sequences assigned  
1985 (98.9%) exact matches, in which:  
1964 unique CDR3  
13 unique J



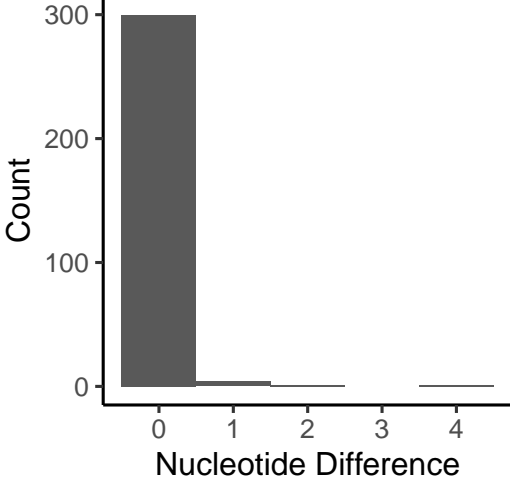
TRBV5-8\*ap01

1234 sequences assigned  
1214 (98.4%) exact matches, in which:  
1187 unique CDR3  
13 unique J



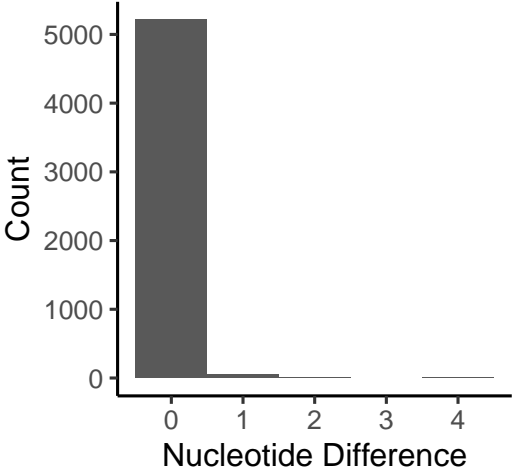
TRBV6-7\*ap01

306 sequences assigned  
300 (98%) exact matches, in which:  
296 unique CDR3  
13 unique J



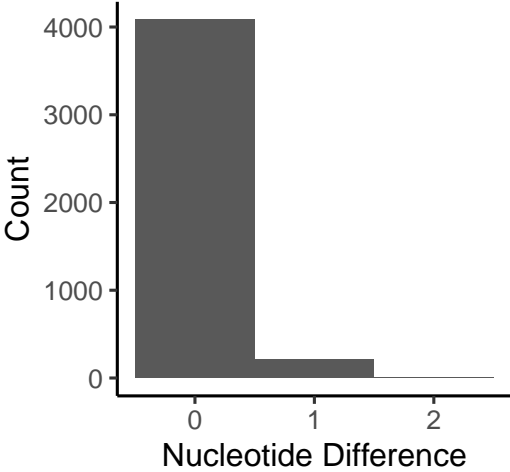
TRBV5-6\*ap01

5267 sequences assigned  
5214 (99%) exact matches, in which:  
5081 unique CDR3  
13 unique J



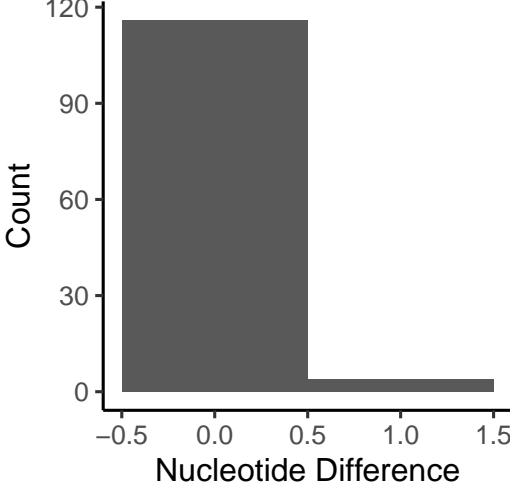
TRBV6-1\*ap01

4297 sequences assigned  
4083 (95%) exact matches, in which:  
3959 unique CDR3  
13 unique J



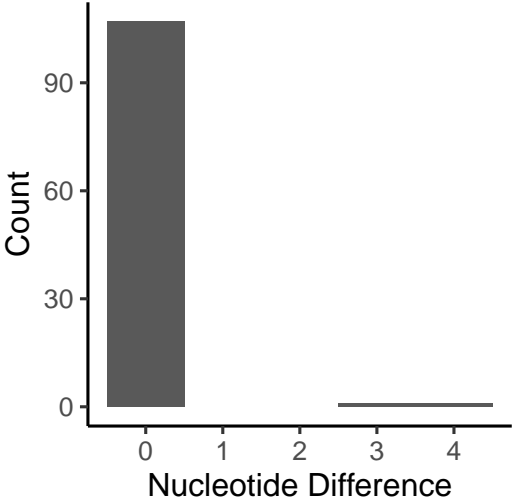
TRBV6-8\*ap01

120 sequences assigned  
116 (96.7%) exact matches, in which:  
111 unique CDR3  
12 unique J



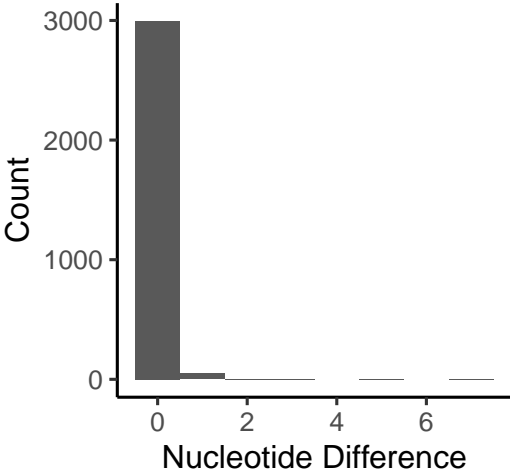
TRBV5-7\*ap01

109 sequences assigned  
107 (98.2%) exact matches, in which:  
106 unique CDR3  
12 unique J



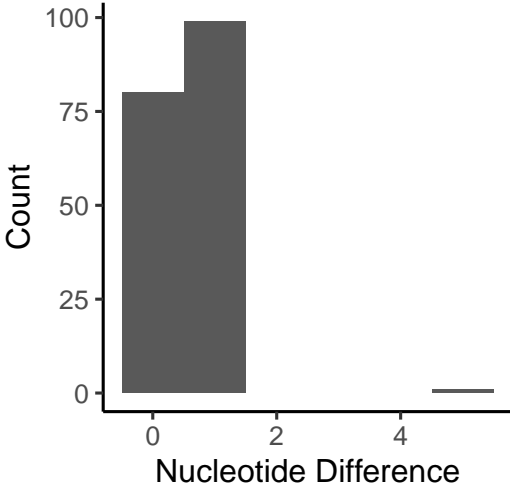
TRBV6-4\*ap01

3051 sequences assigned  
2995 (98.2%) exact matches, in which:  
2941 unique CDR3  
13 unique J



TRBV6-9\*ap01

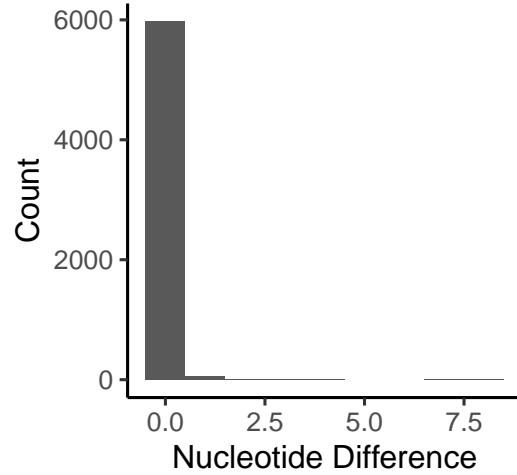
180 sequences assigned  
80 (44.4%) exact matches, in which:  
77 unique CDR3  
12 unique J





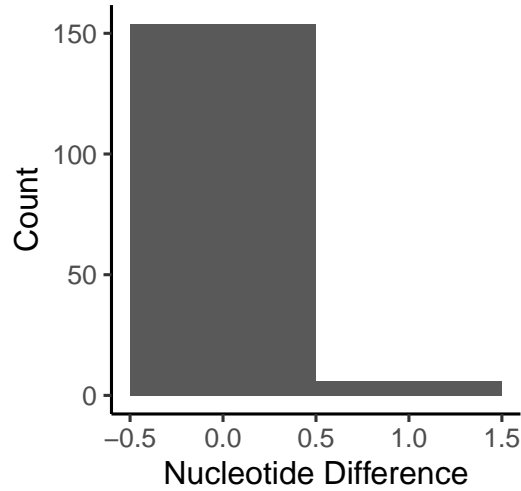
### TRBV6-23\*ap01

6051 sequences assigned  
5974 (98.7%) exact matches, in which:  
5835 unique CDR3  
13 unique J



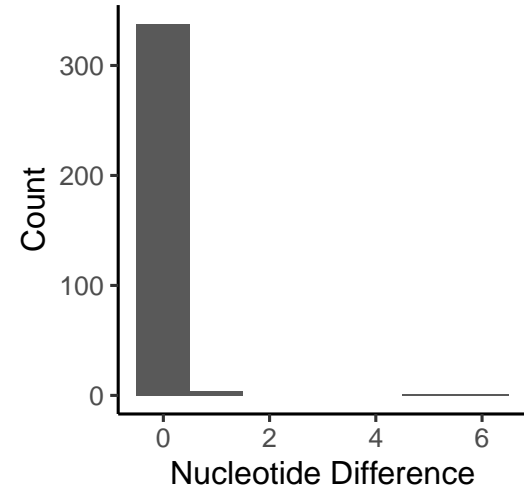
### TRBV7-1\*ap01\_G291C\_

160 sequences assigned  
154 (96.2%) exact matches, in which:  
152 unique CDR3  
13 unique J



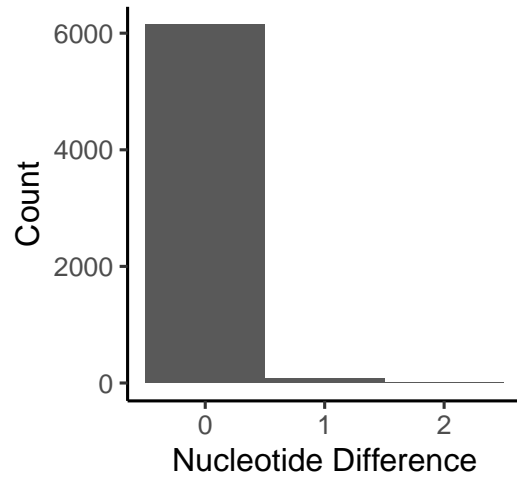
### TRBV7-4\*ap01

344 sequences assigned  
338 (98.3%) exact matches, in which:  
333 unique CDR3  
13 unique J



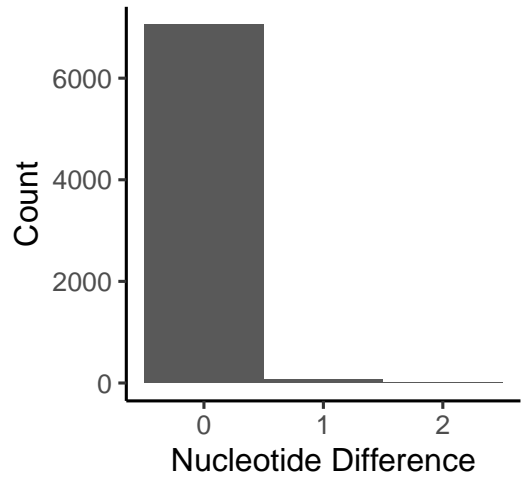
### TRBV6-56\*ap01

6216 sequences assigned  
6145 (98.9%) exact matches, in which:  
6007 unique CDR3  
13 unique J



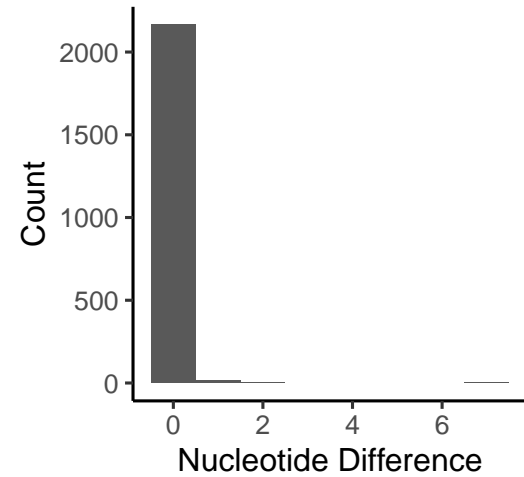
### TRBV7-2\*ap01

7119 sequences assigned  
7052 (99.1%) exact matches, in which:  
6912 unique CDR3  
13 unique J



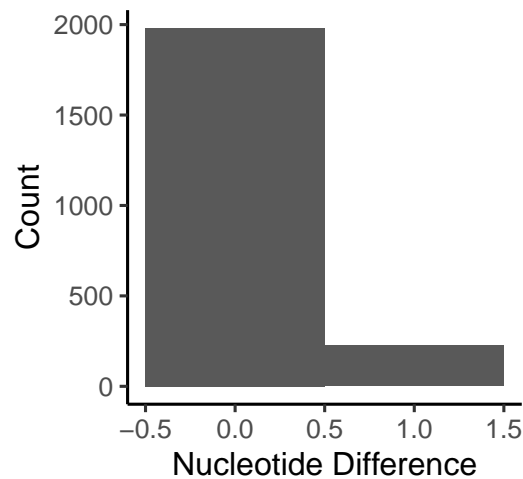
### TRBV7-6\*ap01

2186 sequences assigned  
2165 (99%) exact matches, in which:  
2100 unique CDR3  
13 unique J



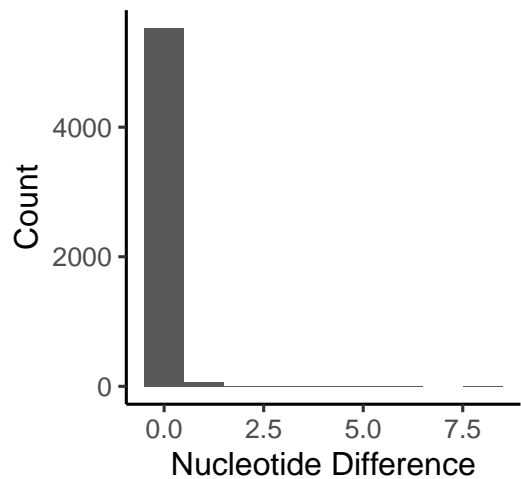
### TRBV6-56\*ap02

2206 sequences assigned  
1981 (89.8%) exact matches, in which:  
1926 unique CDR3  
13 unique J



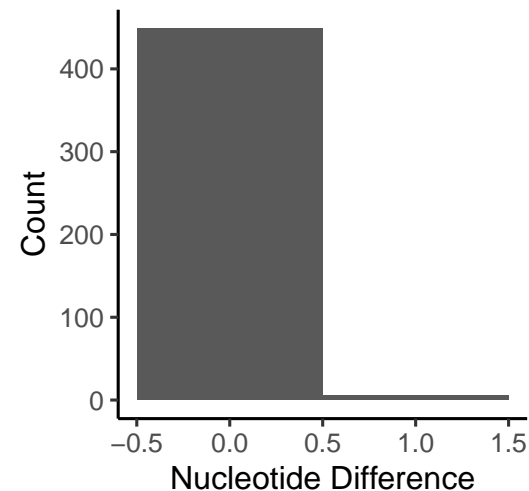
### TRBV7-3\*ap01

5602 sequences assigned  
5530 (98.7%) exact matches, in which:  
5425 unique CDR3  
13 unique J



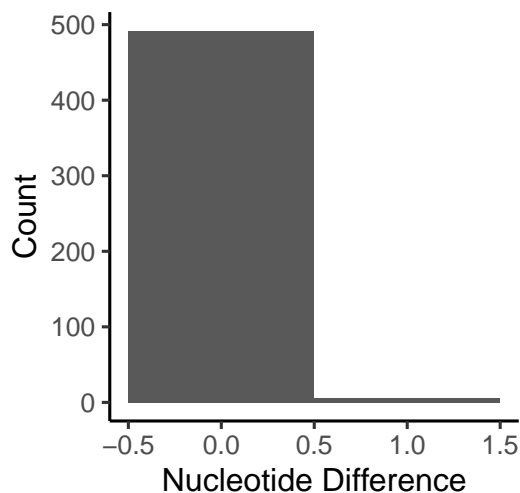
### TRBV7-7\*ap01

454 sequences assigned  
449 (98.9%) exact matches, in which:  
438 unique CDR3  
13 unique J



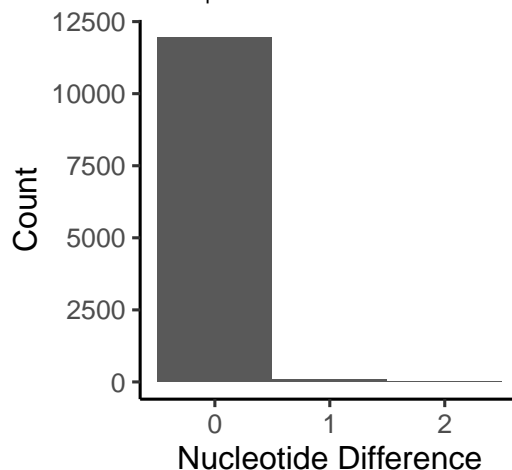
### TRBV7-7\*ap01\_C315T

498 sequences assigned  
492 (98.8%) exact matches, in which:  
481 unique CDR3  
13 unique J



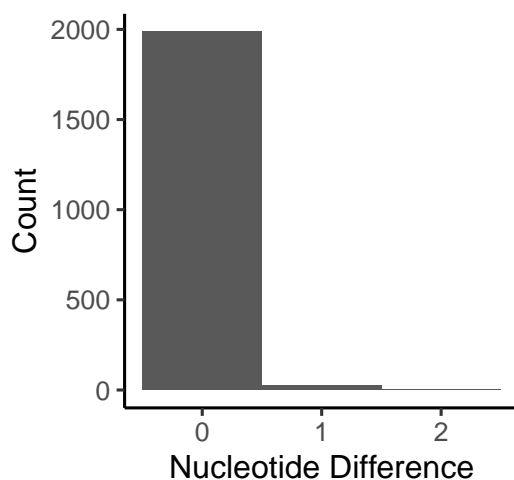
### TRBV7-9\*ap01

12065 sequences assigned  
11961 (99.1%) exact matches, in which:  
11726 unique CDR3  
13 unique J



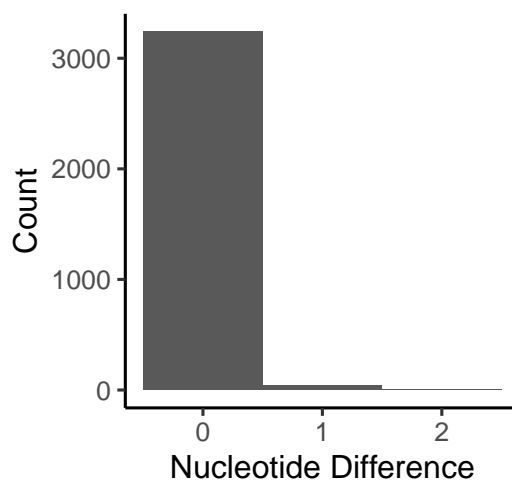
### TRBV7-8\*ap01

2012 sequences assigned  
1987 (98.8%) exact matches, in which:  
1936 unique CDR3  
13 unique J



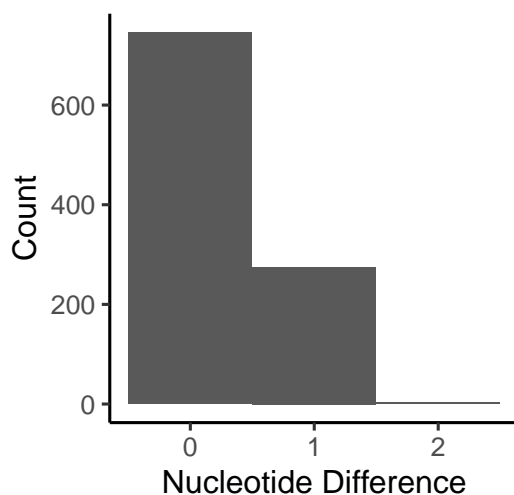
### TRBV29-1\*ap01

3285 sequences assigned  
3240 (98.6%) exact matches, in which:  
3173 unique CDR3  
13 unique J



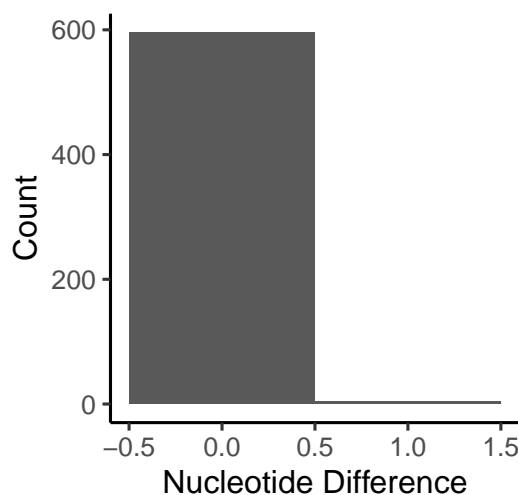
### TRBV7-8\*ap03

1025 sequences assigned  
746 (72.8%) exact matches, in which:  
728 unique CDR3  
13 unique J

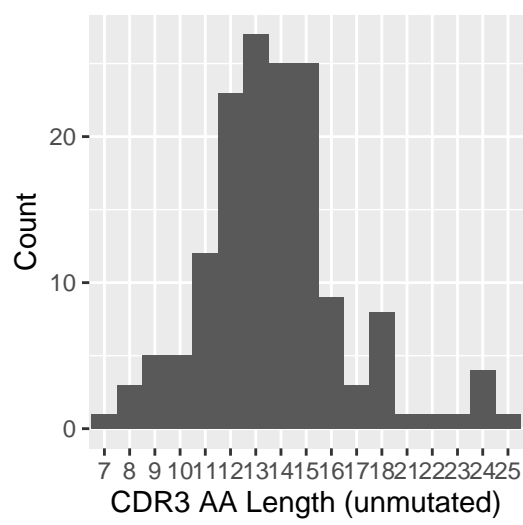


### TRBV29-1\*ap02

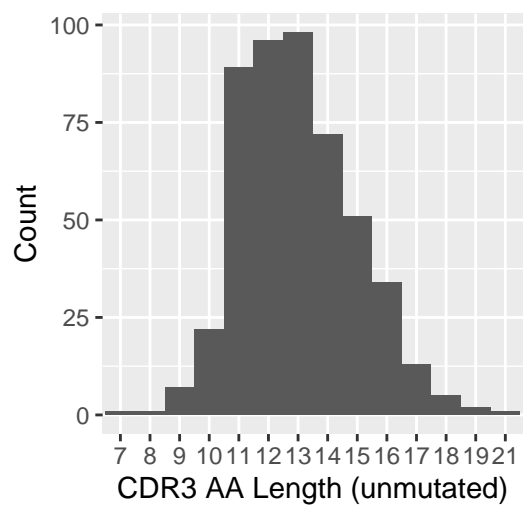
600 sequences assigned  
596 (99.3%) exact matches, in which:  
585 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]