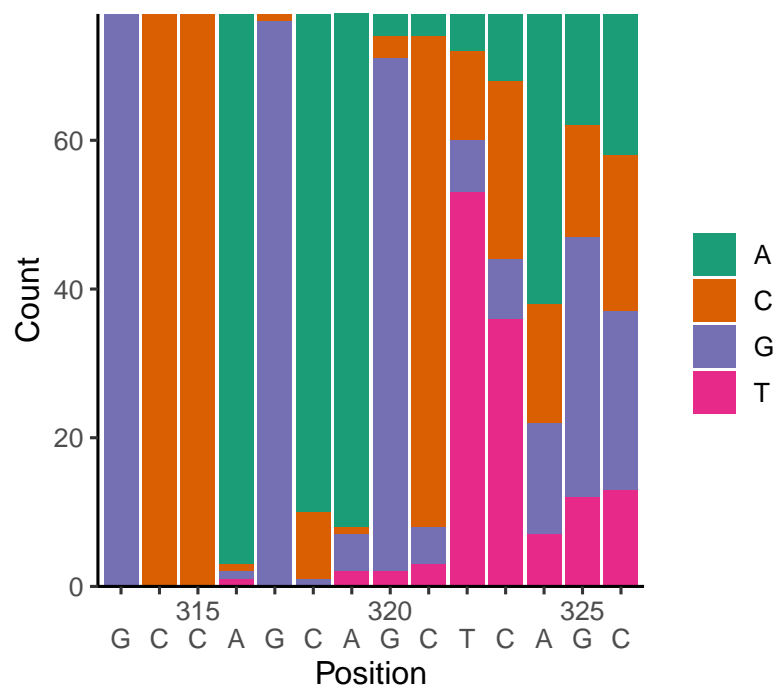
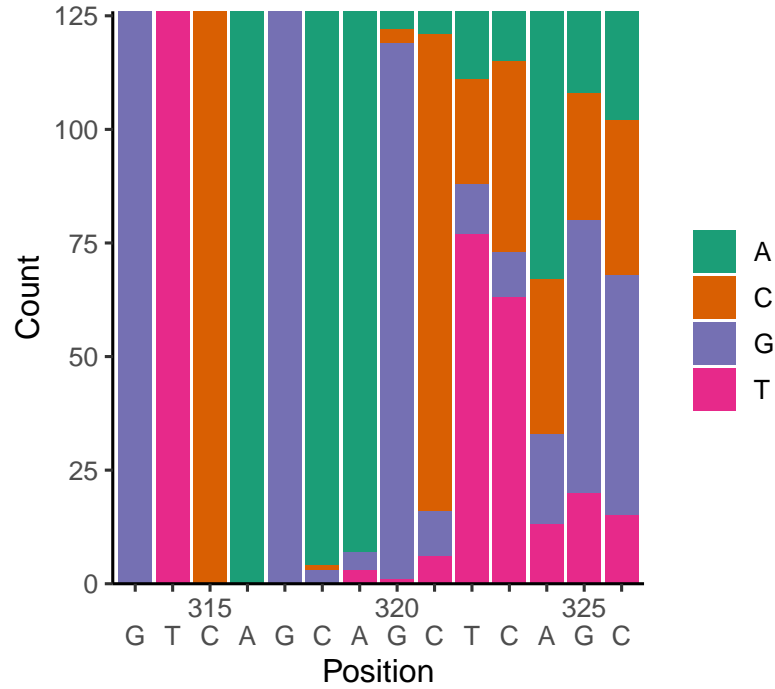


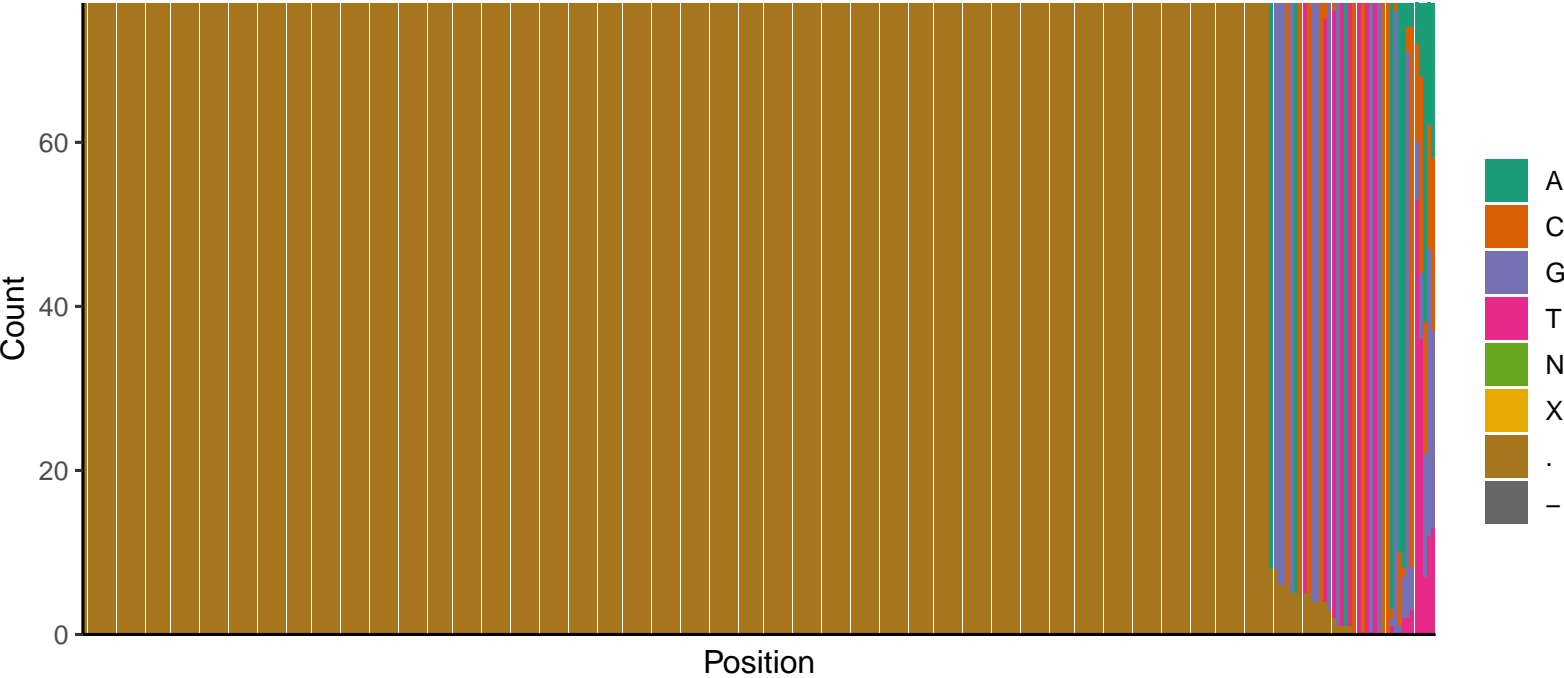
Gene TRBV7-1\*ap01\_G291C\_T296C



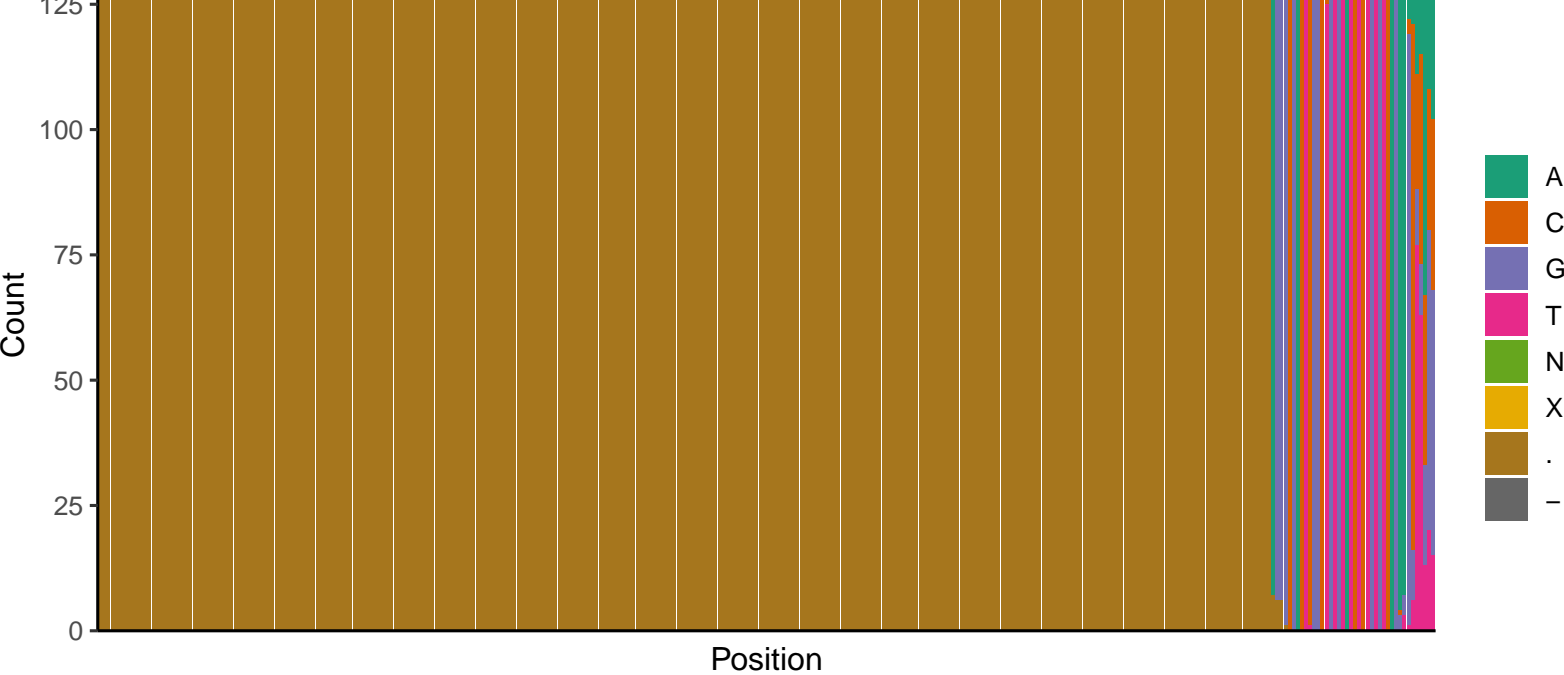
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



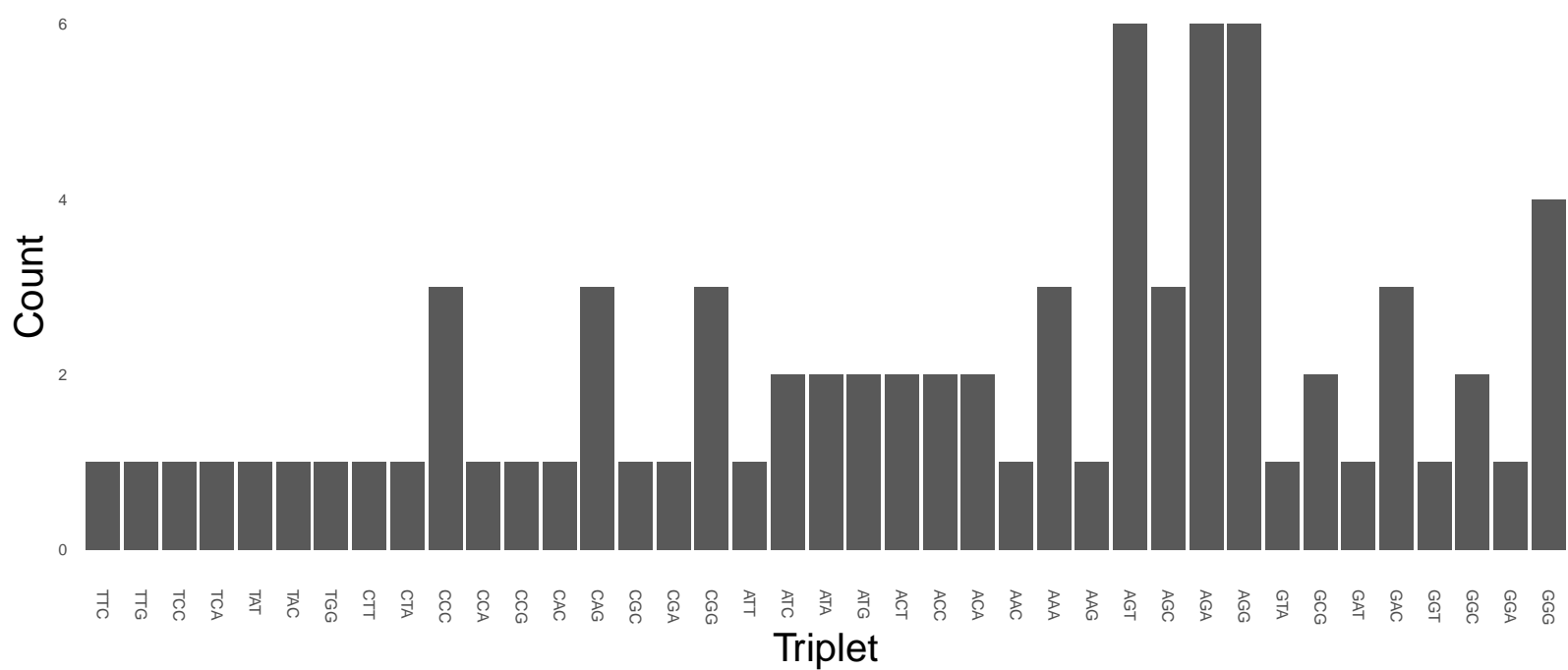
Gene TRBV7-1\*ap01\_G291C\_T296C



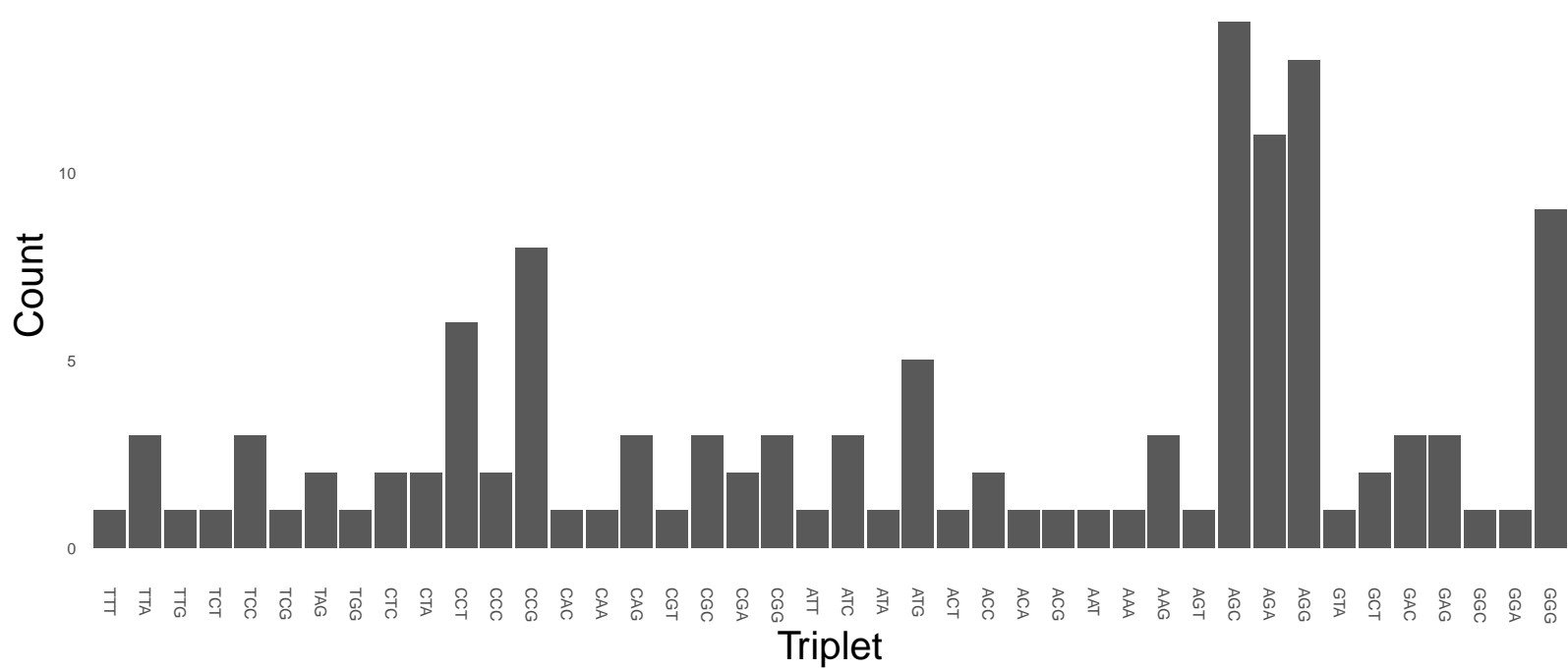
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

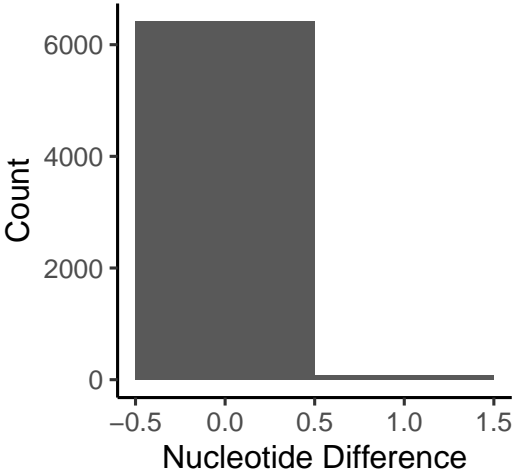


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



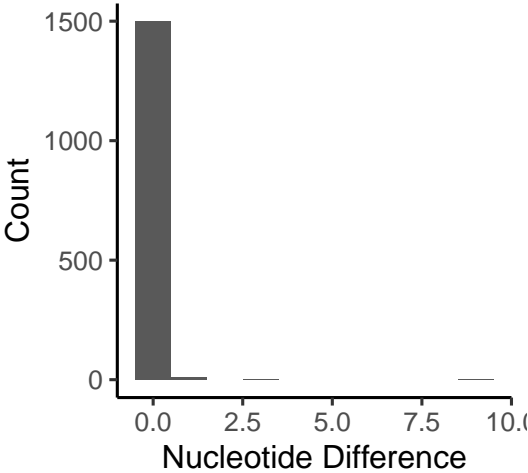
TRBV20-1\*ap01

6496 sequences assigned  
6417 (98.8%) exact matches, in which:  
6338 unique CDR3  
13 unique J



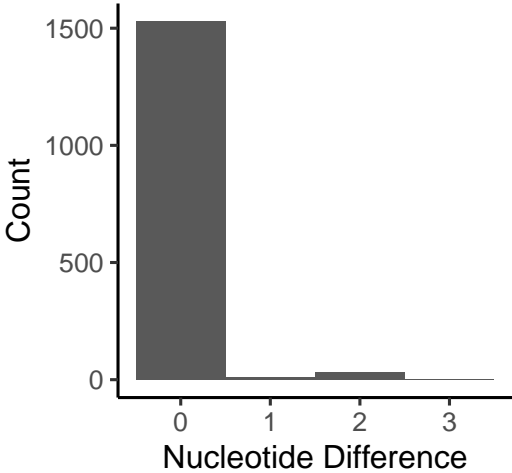
TRBV10-2\*ap01

1512 sequences assigned  
1499 (99.1%) exact matches, in which:  
1478 unique CDR3  
13 unique J



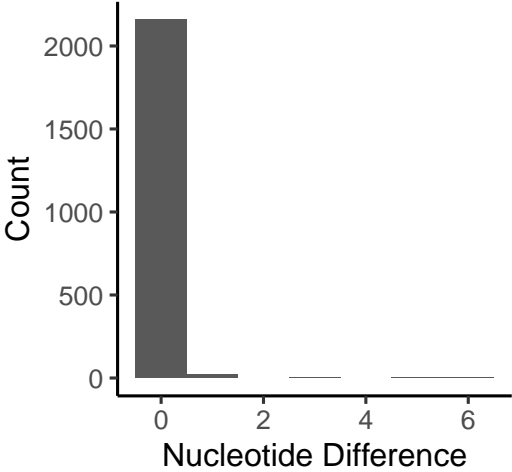
TRBV13\*ap01

1572 sequences assigned  
1529 (97.3%) exact matches, in which:  
1485 unique CDR3  
13 unique J



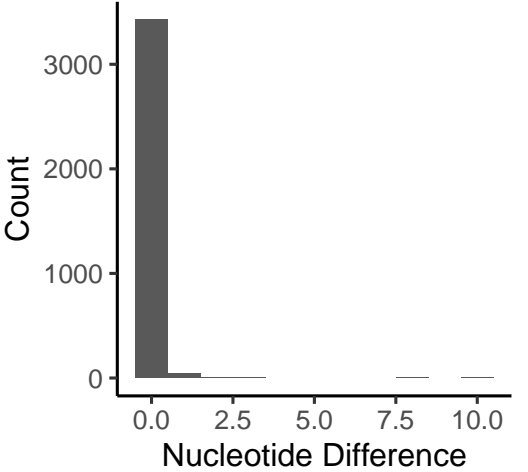
TRBV10-1\*ap01

2181 sequences assigned  
2158 (98.9%) exact matches, in which:  
2120 unique CDR3  
13 unique J



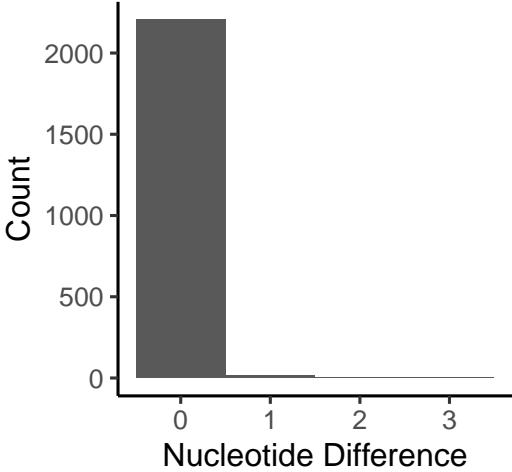
TRBV10-3\*ap01

3473 sequences assigned  
3426 (98.6%) exact matches, in which:  
3372 unique CDR3  
13 unique J



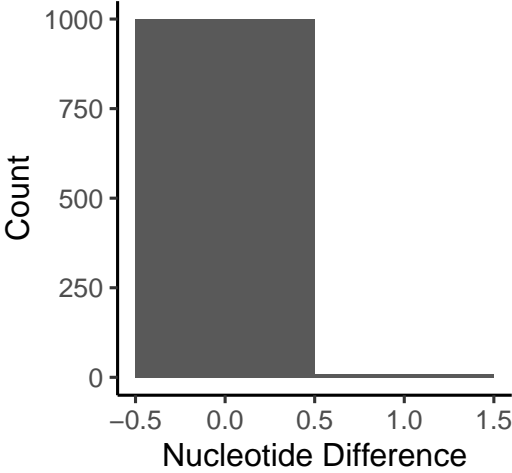
TRBV14\*ap01

2225 sequences assigned  
2205 (99.1%) exact matches, in which:  
2188 unique CDR3  
13 unique J



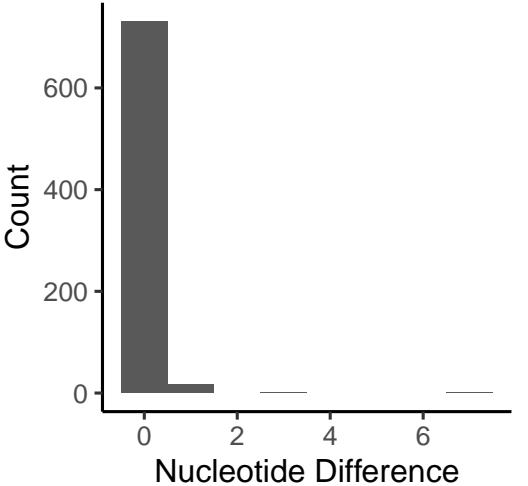
TRBV20-1\*ap02

1010 sequences assigned  
1000 (99%) exact matches, in which:  
992 unique CDR3  
13 unique J



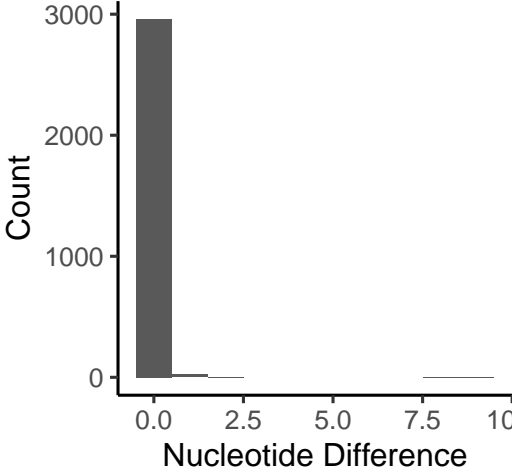
TRBV1\*ap01

749 sequences assigned  
731 (97.6%) exact matches, in which:  
707 unique CDR3  
13 unique J



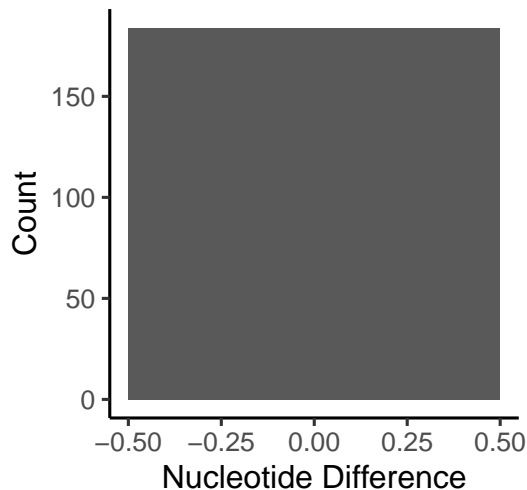
TRBV15\*ap02

2986 sequences assigned  
2960 (99.1%) exact matches, in which:  
2907 unique CDR3  
13 unique J



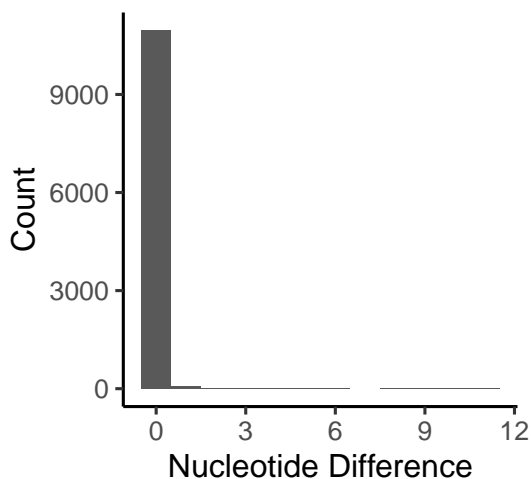
### TRBV16\*ap01

184 sequences assigned  
184 (100%) exact matches, in which:  
183 unique CDR3  
13 unique J



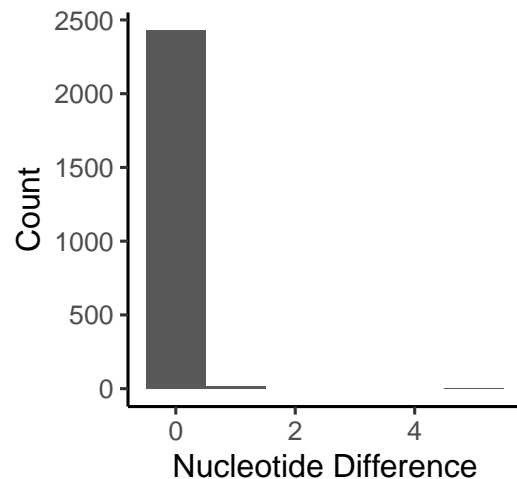
### TRBV19\*ap01

11043 sequences assigned  
10959 (99.2%) exact matches, in which:  
10895 unique CDR3  
13 unique J



### TRBV28\*ap01

2445 sequences assigned  
2429 (99.3%) exact matches, in which:  
2396 unique CDR3  
13 unique J



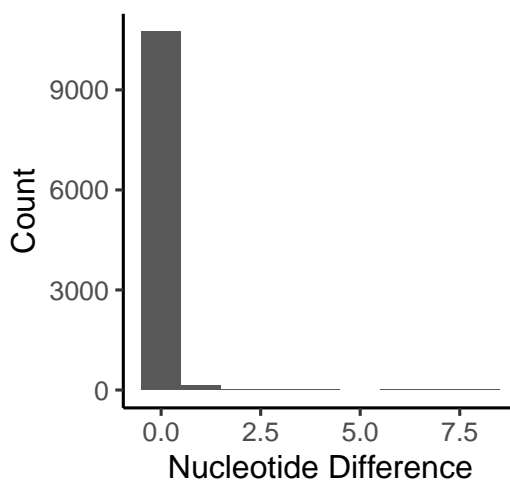
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



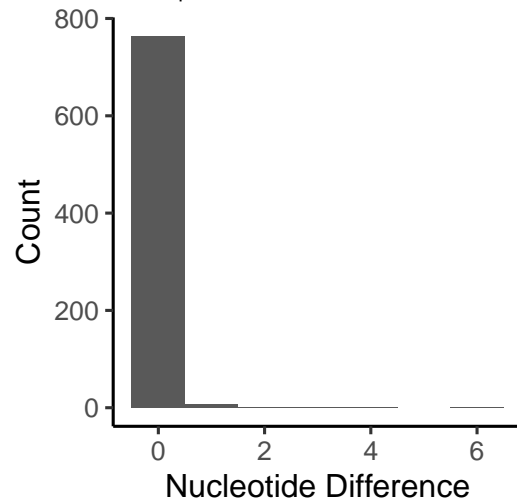
### TRBV2\*ap01

10881 sequences assigned  
10744 (98.7%) exact matches, in which:  
10554 unique CDR3  
13 unique J



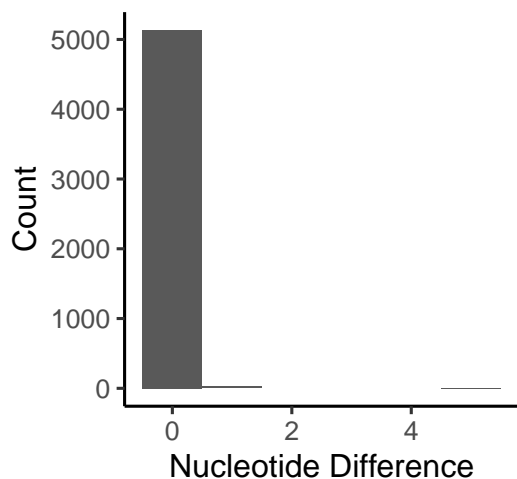
### TRBV30\*ap02

776 sequences assigned  
764 (98.5%) exact matches, in which:  
748 unique CDR3  
13 unique J



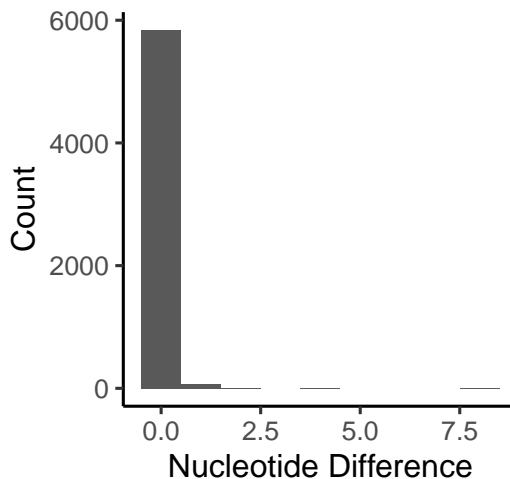
### TRBV18\*ap01

5164 sequences assigned  
5135 (99.4%) exact matches, in which:  
5114 unique CDR3  
13 unique J



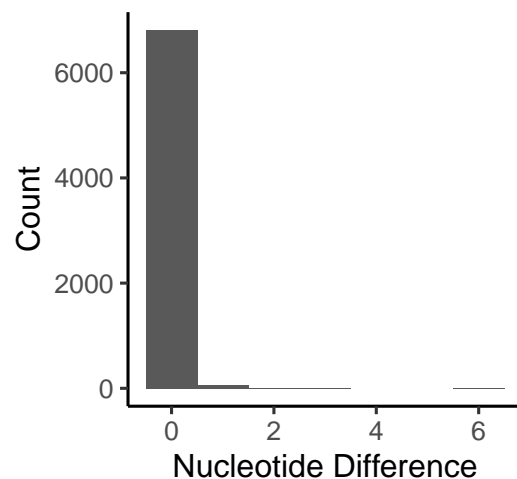
### TRBV27\*ap01

5917 sequences assigned  
5840 (98.7%) exact matches, in which:  
5748 unique CDR3  
13 unique J



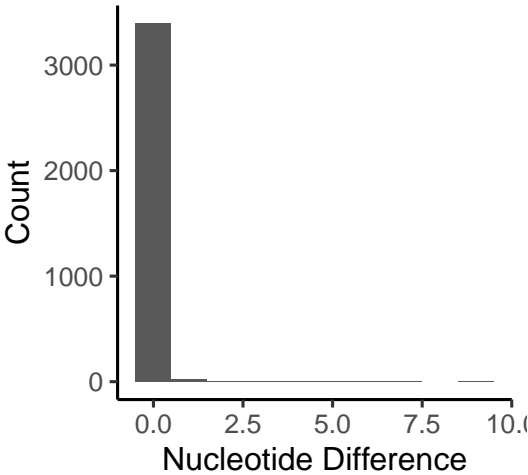
### TRBV9\*ap01

6885 sequences assigned  
6811 (98.9%) exact matches, in which:  
6724 unique CDR3  
13 unique J



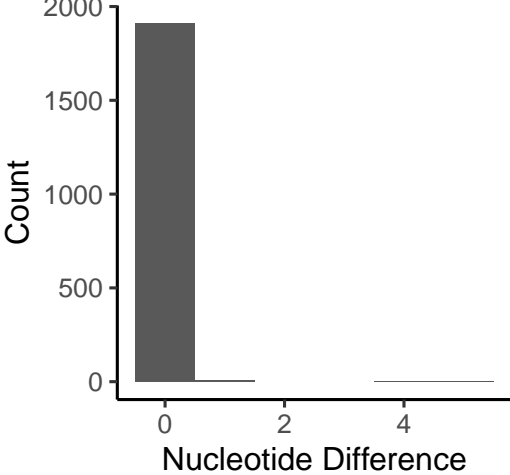
TRBV21-1\*ap01

3446 sequences assigned  
3395 (98.5%) exact matches, in which:  
3361 unique CDR3  
13 unique J



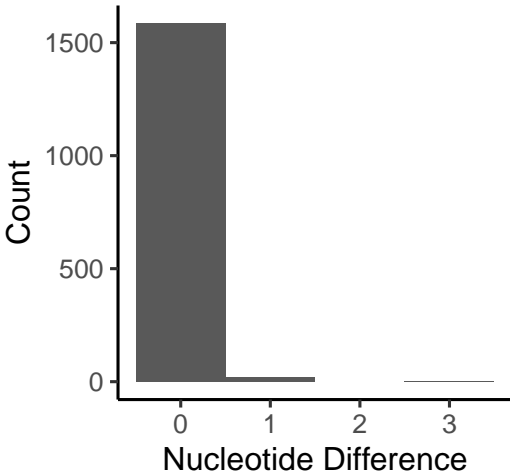
TRBV11-3\*ap01

1919 sequences assigned  
1910 (99.5%) exact matches, in which:  
1893 unique CDR3  
13 unique J



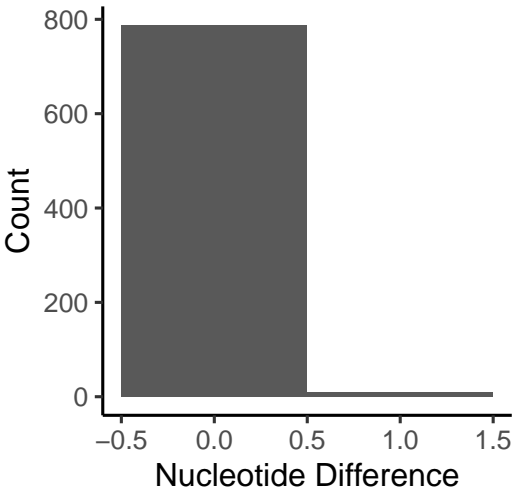
TRBV12-5\*ap01

1605 sequences assigned  
1585 (98.8%) exact matches, in which:  
1562 unique CDR3  
13 unique J



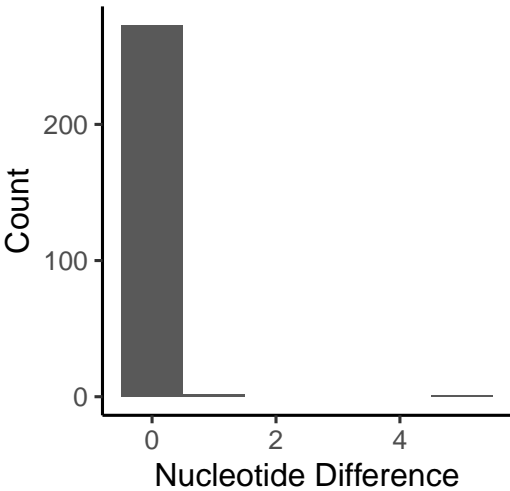
TRBV11-1\*ap01

798 sequences assigned  
788 (98.7%) exact matches, in which:  
776 unique CDR3  
13 unique J



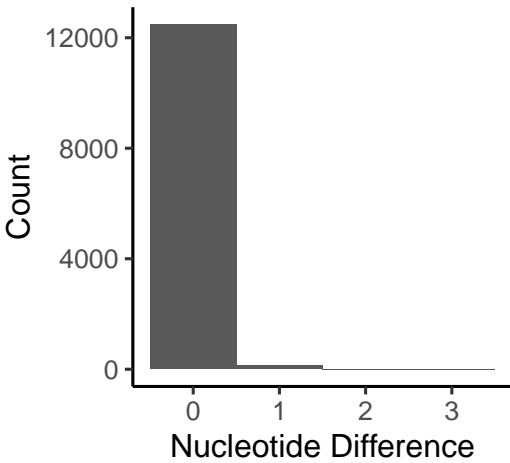
TRBV12-1\*ap01

276 sequences assigned  
273 (98.9%) exact matches, in which:  
268 unique CDR3  
13 unique J



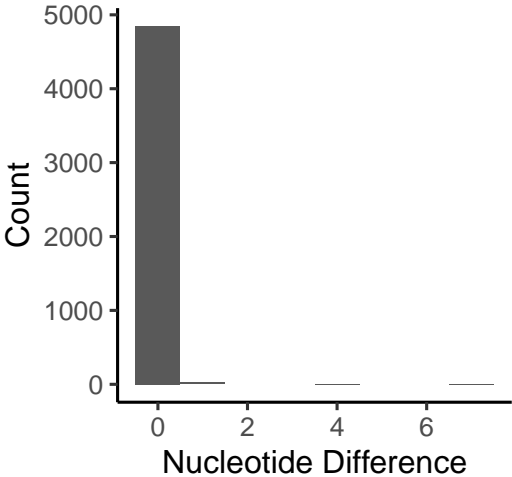
TRBV12-34\*ap01

12621 sequences assigned  
12480 (98.9%) exact matches, in which:  
12310 unique CDR3  
14 unique J



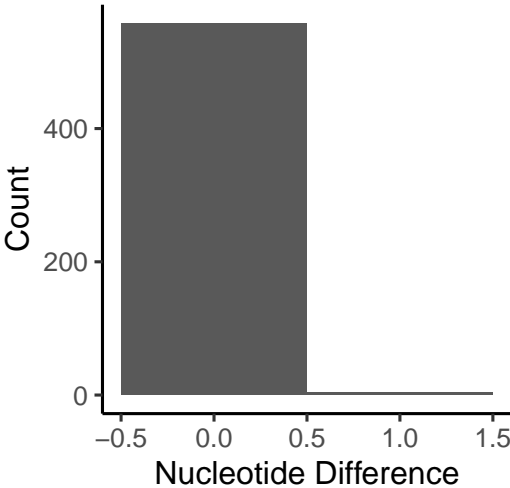
TRBV11-2\*ap01

4875 sequences assigned  
4848 (99.4%) exact matches, in which:  
4806 unique CDR3  
13 unique J



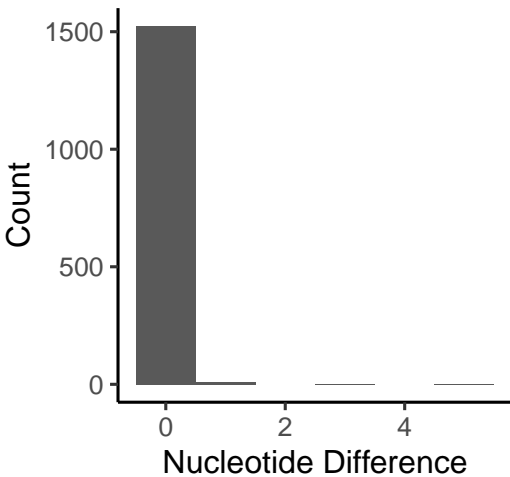
TRBV12-2\*ap01

562 sequences assigned  
558 (99.3%) exact matches, in which:  
553 unique CDR3  
13 unique J



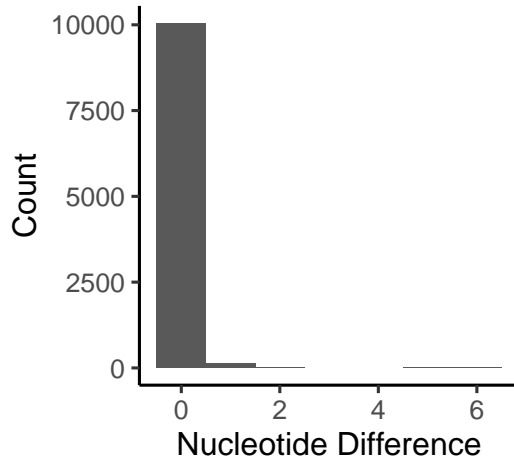
TRBV23-1\*ap01

1535 sequences assigned  
1524 (99.3%) exact matches, in which:  
1503 unique CDR3  
13 unique J



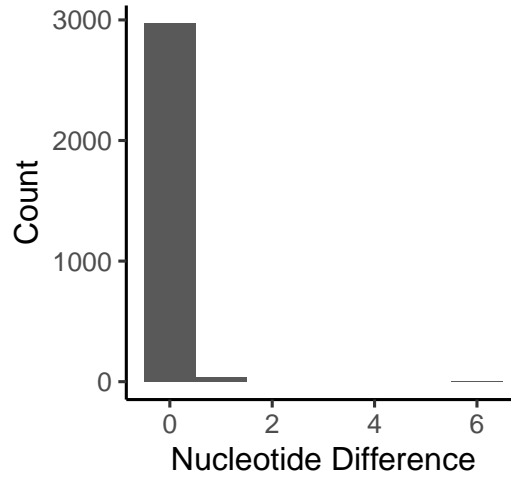
### TRBV3-12\*ap01

10175 sequences assigned  
10048 (98.8%) exact matches, in which:  
9887 unique CDR3  
13 unique J



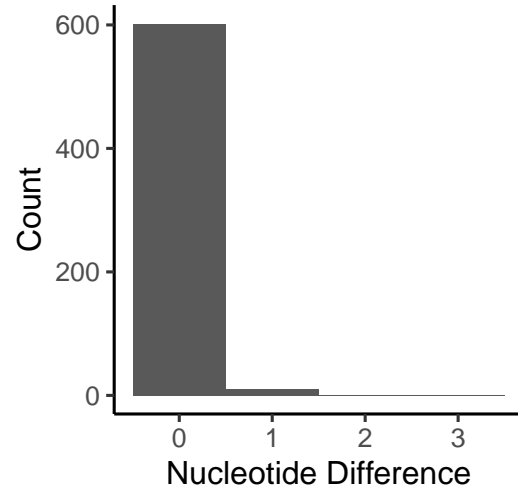
### TRBV4-2\*ap01

3013 sequences assigned  
2971 (98.6%) exact matches, in which:  
2924 unique CDR3  
13 unique J



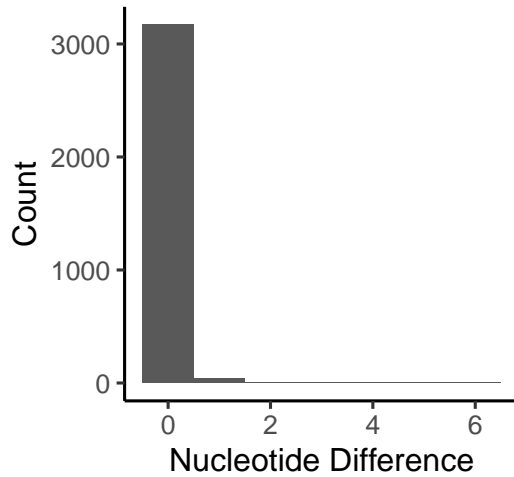
### TRBV5-3\*ap01

615 sequences assigned  
602 (97.9%) exact matches, in which:  
596 unique CDR3  
13 unique J



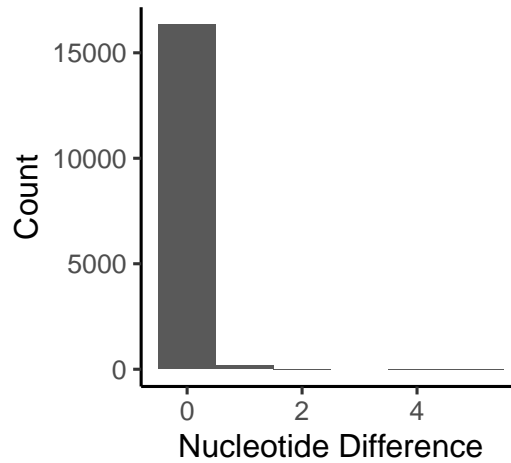
### TRBV24-1\*ap01

3217 sequences assigned  
3170 (98.5%) exact matches, in which:  
3116 unique CDR3  
13 unique J



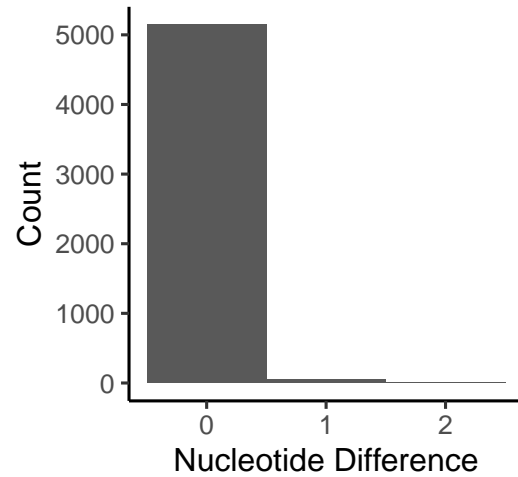
### TRBV5-1\*ap01

16533 sequences assigned  
16342 (98.8%) exact matches, in which:  
16007 unique CDR3  
13 unique J



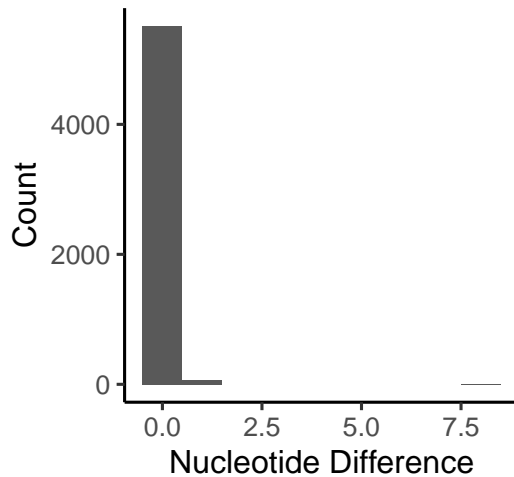
### TRBV5-4\*ap01

5197 sequences assigned  
5145 (99%) exact matches, in which:  
5065 unique CDR3  
13 unique J



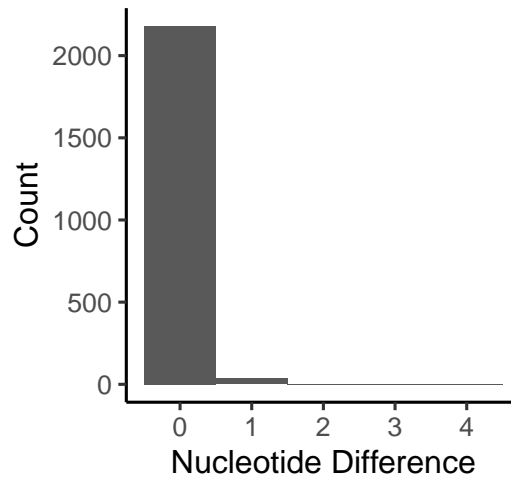
### TRBV4-1\*ap01

5578 sequences assigned  
5513 (98.8%) exact matches, in which:  
5406 unique CDR3  
13 unique J



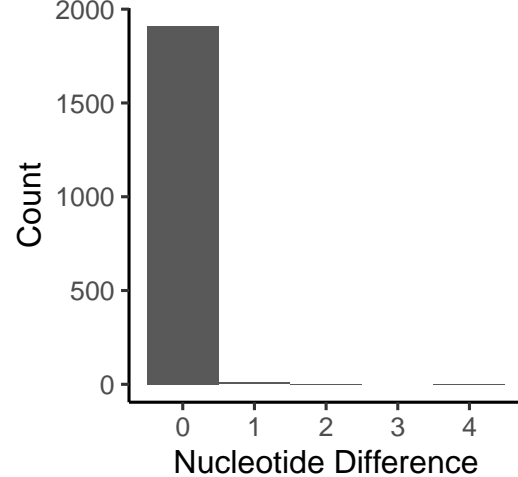
### TRBV25-1\*ap01

2222 sequences assigned  
2180 (98.1%) exact matches, in which:  
2134 unique CDR3  
13 unique J



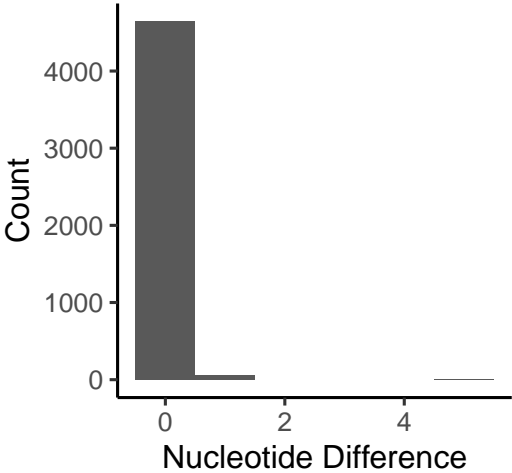
### TRBV5-5\*ap01

1921 sequences assigned  
1910 (99.4%) exact matches, in which:  
1902 unique CDR3  
13 unique J



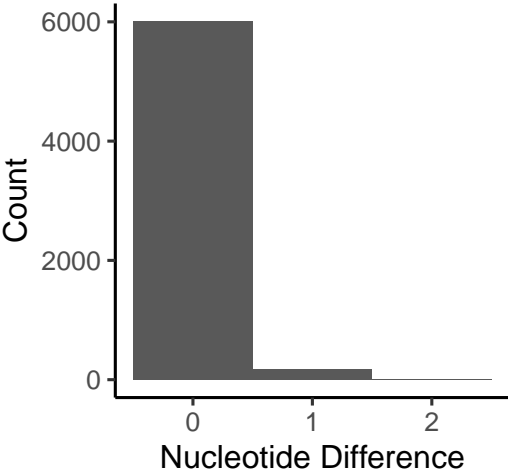
TRBV5-6\*ap01

4701 sequences assigned  
4643 (98.8%) exact matches, in which:  
4505 unique CDR3  
13 unique J



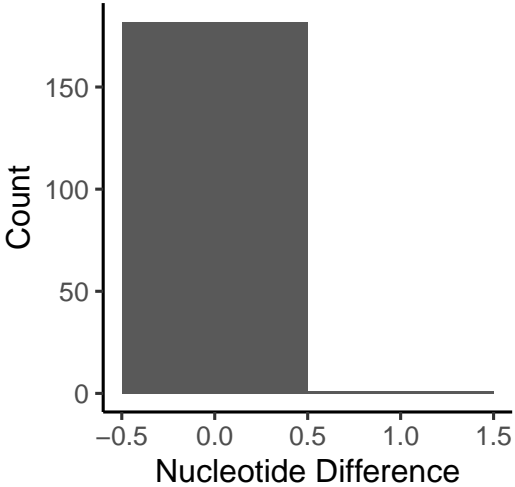
TRBV6-1\*ap01

6179 sequences assigned  
6007 (97.2%) exact matches, in which:  
5858 unique CDR3  
13 unique J



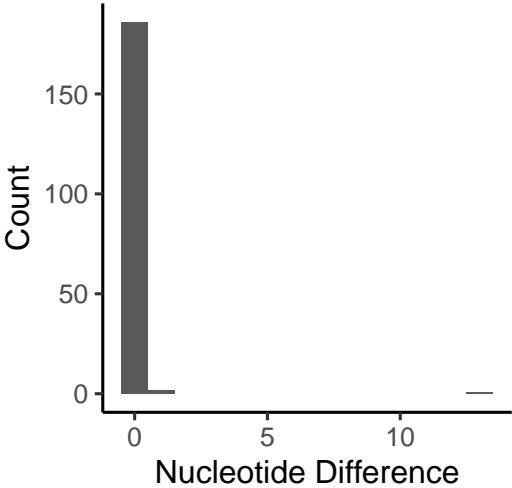
TRBV6-8\*ap01

183 sequences assigned  
182 (99.5%) exact matches, in which:  
177 unique CDR3  
13 unique J



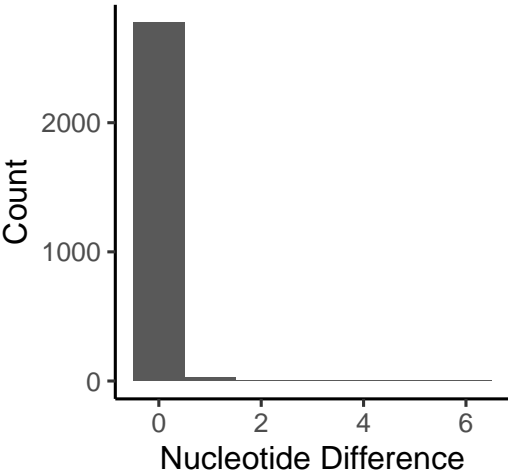
TRBV5-7\*ap01

189 sequences assigned  
186 (98.4%) exact matches, in which:  
181 unique CDR3  
13 unique J



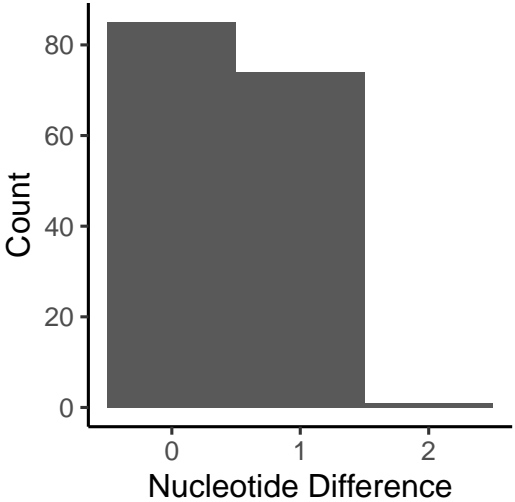
TRBV6-4\*ap01

2811 sequences assigned  
2774 (98.7%) exact matches, in which:  
2745 unique CDR3  
13 unique J



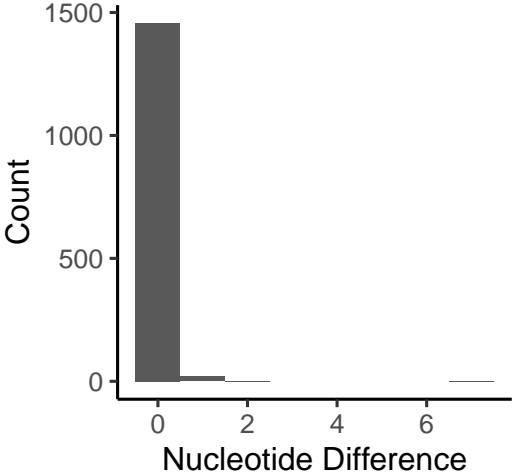
TRBV6-9\*ap01

160 sequences assigned  
85 (53.1%) exact matches, in which:  
84 unique CDR3  
13 unique J



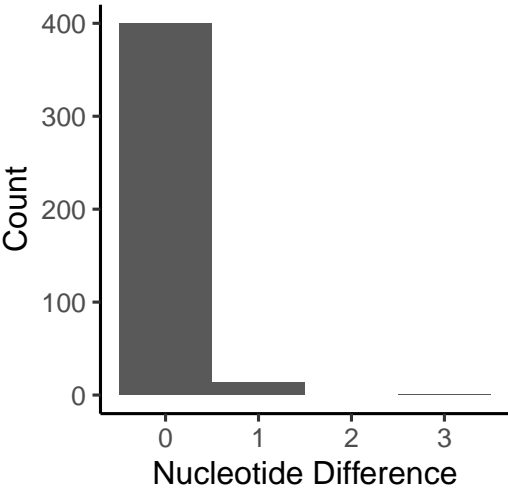
TRBV5-8\*ap01

1478 sequences assigned  
1457 (98.6%) exact matches, in which:  
1449 unique CDR3  
13 unique J



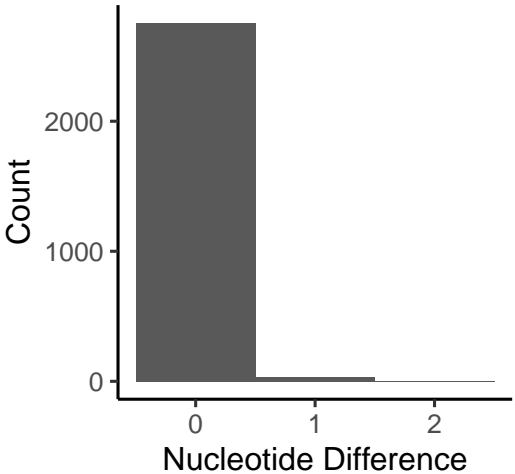
TRBV6-7\*ap01

414 sequences assigned  
400 (96.6%) exact matches, in which:  
387 unique CDR3  
13 unique J



TRBV6-23\*ap01

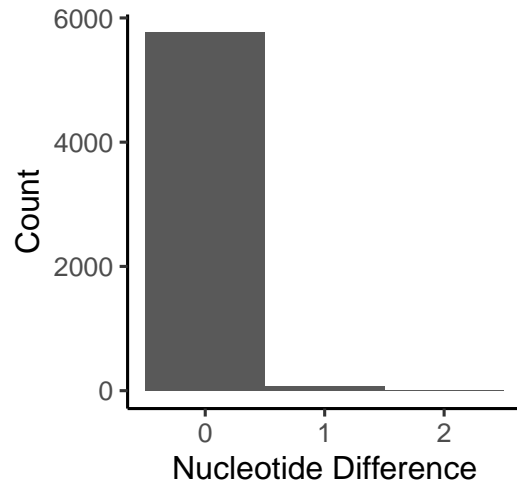
2790 sequences assigned  
2755 (98.7%) exact matches, in which:  
2684 unique CDR3  
13 unique J





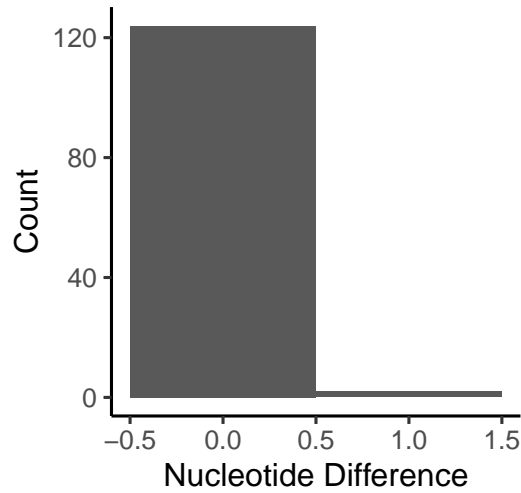
### TRBV6-56\*ap01

5845 sequences assigned  
5767 (98.7%) exact matches, in which:  
5633 unique CDR3  
13 unique J



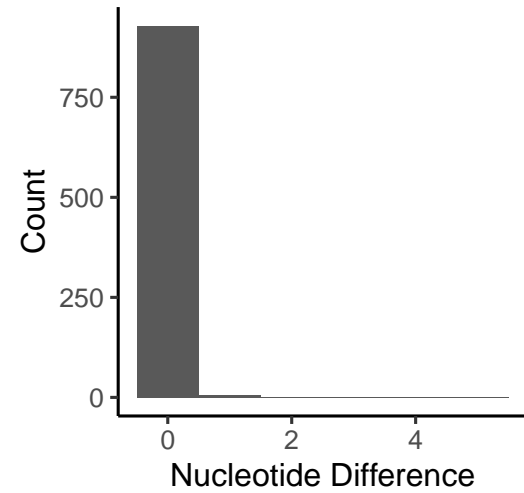
### TRBV7-1\*ap01\_G291C\_

126 sequences assigned  
124 (98.4%) exact matches, in which:  
123 unique CDR3  
12 unique J



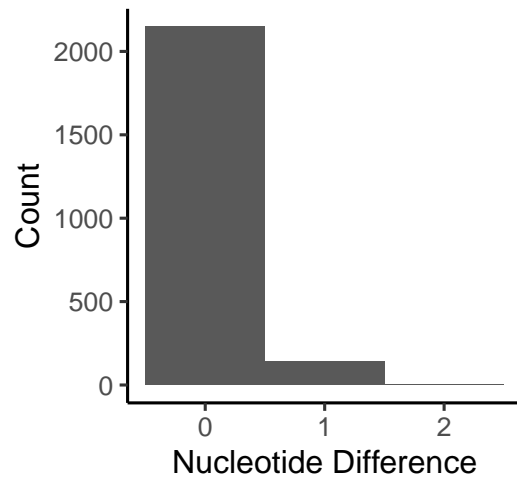
### TRBV7-3\*ap03

941 sequences assigned  
929 (98.7%) exact matches, in which:  
918 unique CDR3  
13 unique J



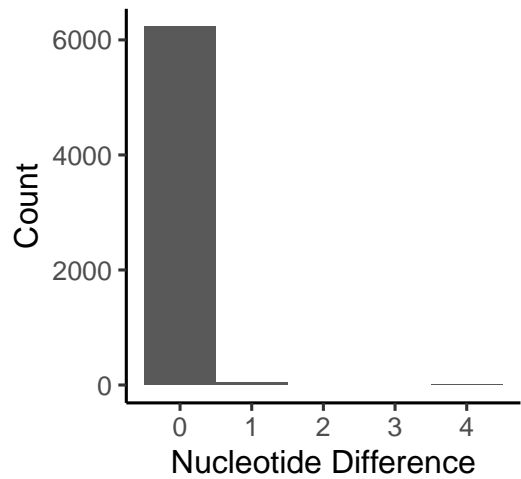
### TRBV6-56\*ap02

2291 sequences assigned  
2148 (93.8%) exact matches, in which:  
2102 unique CDR3  
13 unique J



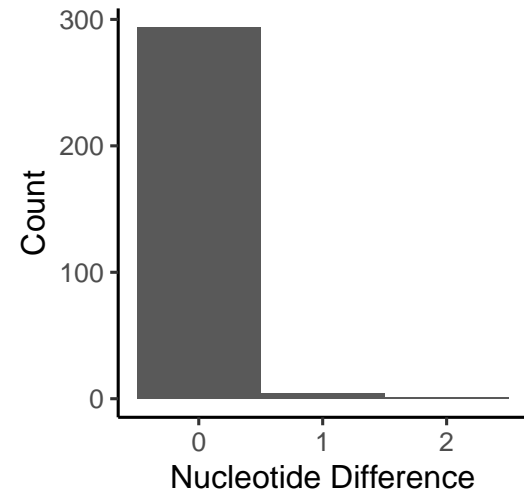
### TRBV7-2\*ap01

6275 sequences assigned  
6229 (99.3%) exact matches, in which:  
6161 unique CDR3  
13 unique J



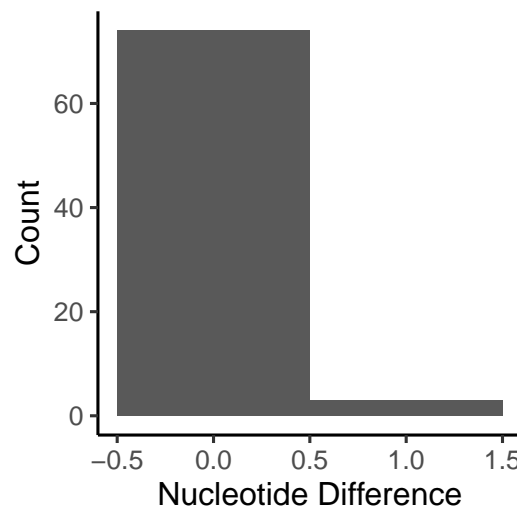
### TRBV7-4\*ap01

299 sequences assigned  
294 (98.3%) exact matches, in which:  
288 unique CDR3  
13 unique J



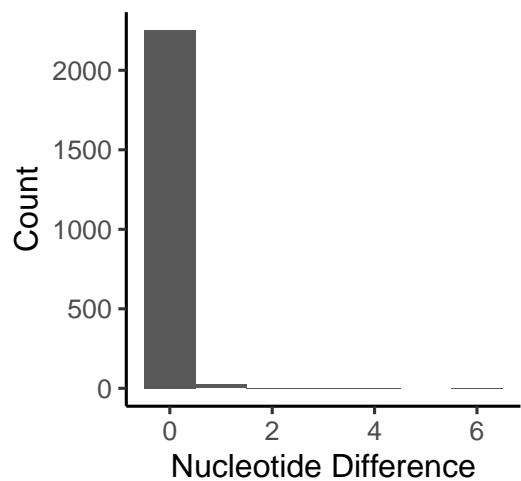
### TRBV7-1\*ap01\_G291C\_T

77 sequences assigned  
74 (96.1%) exact matches, in which:  
73 unique CDR3  
13 unique J



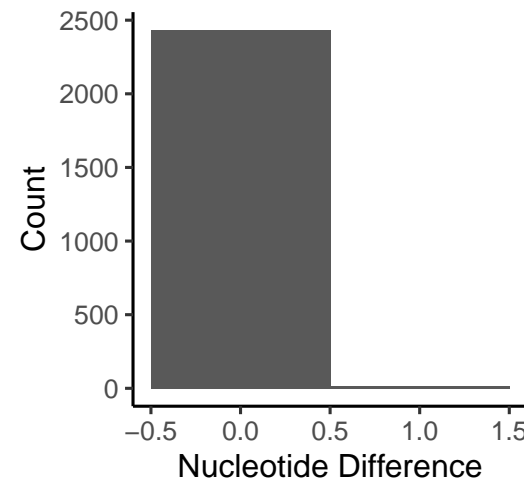
### TRBV7-3\*ap01

2282 sequences assigned  
2253 (98.7%) exact matches, in which:  
2235 unique CDR3  
13 unique J



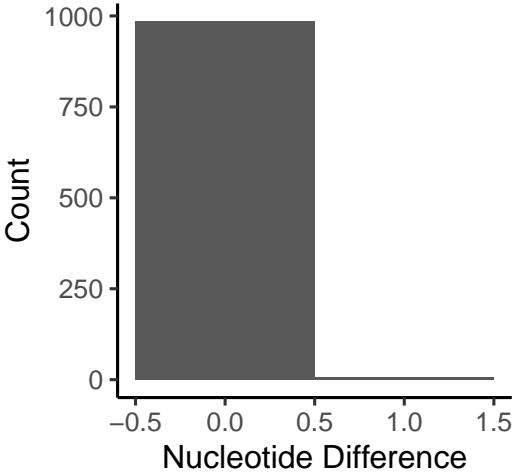
### TRBV7-6\*ap01

2450 sequences assigned  
2433 (99.3%) exact matches, in which:  
2393 unique CDR3  
13 unique J



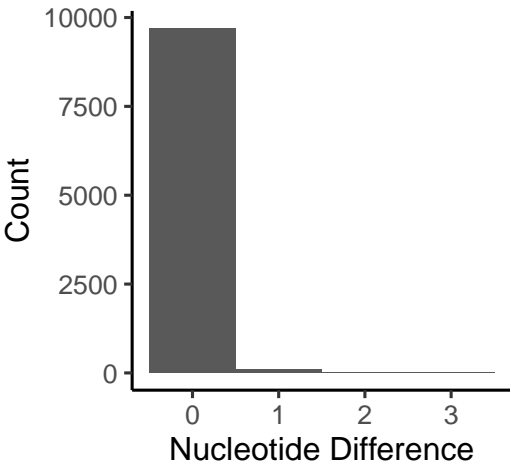
TRBV7-7\*ap01

993 sequences assigned  
985 (99.2%) exact matches, in which:  
971 unique CDR3  
13 unique J



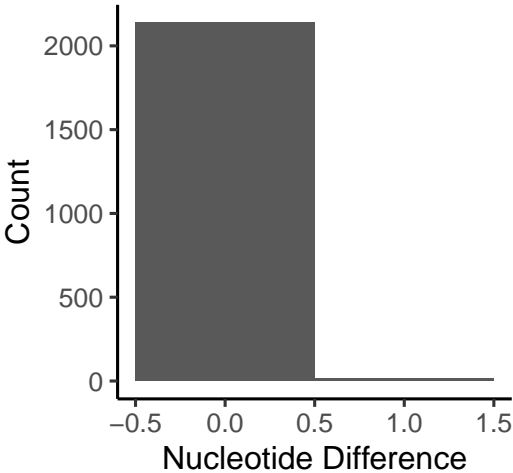
TRBV7-9\*ap01

9792 sequences assigned  
9701 (99.1%) exact matches, in which:  
9604 unique CDR3  
13 unique J



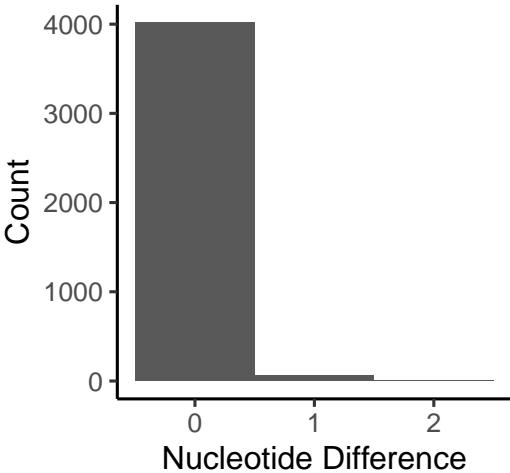
TRBV7-8\*ap01

2155 sequences assigned  
2138 (99.2%) exact matches, in which:  
2096 unique CDR3  
13 unique J



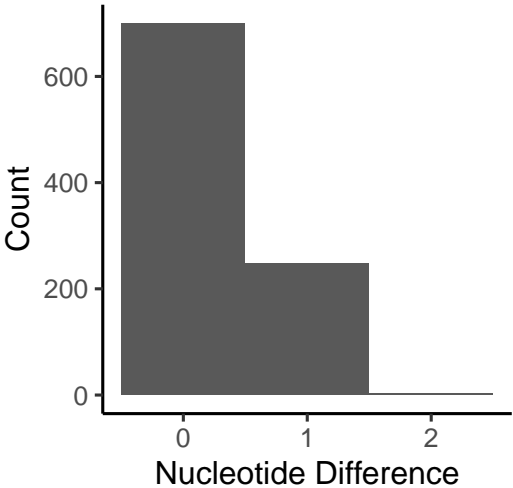
TRBV29-1\*ap01

4077 sequences assigned  
4016 (98.5%) exact matches, in which:  
3917 unique CDR3  
13 unique J



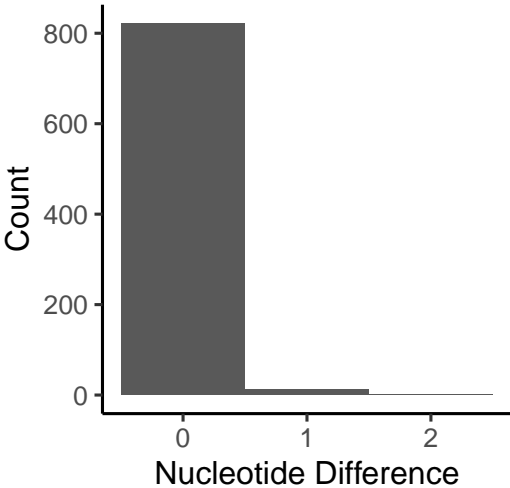
TRBV7-8\*ap03

950 sequences assigned  
700 (73.7%) exact matches, in which:  
695 unique CDR3  
13 unique J

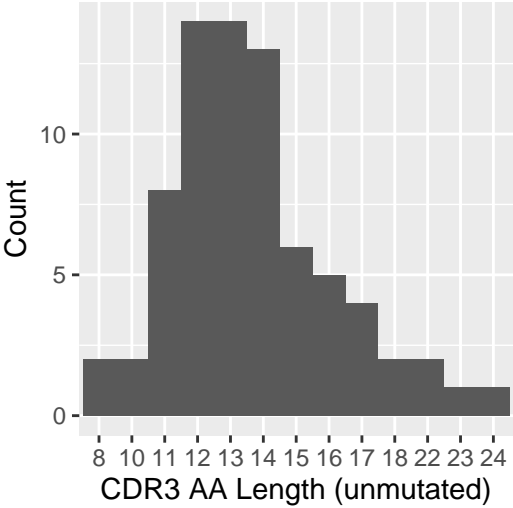


TRBV29-1\*ap02

835 sequences assigned  
822 (98.4%) exact matches, in which:  
802 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-1\*ap01\_G291C\_T296C\_C314T

