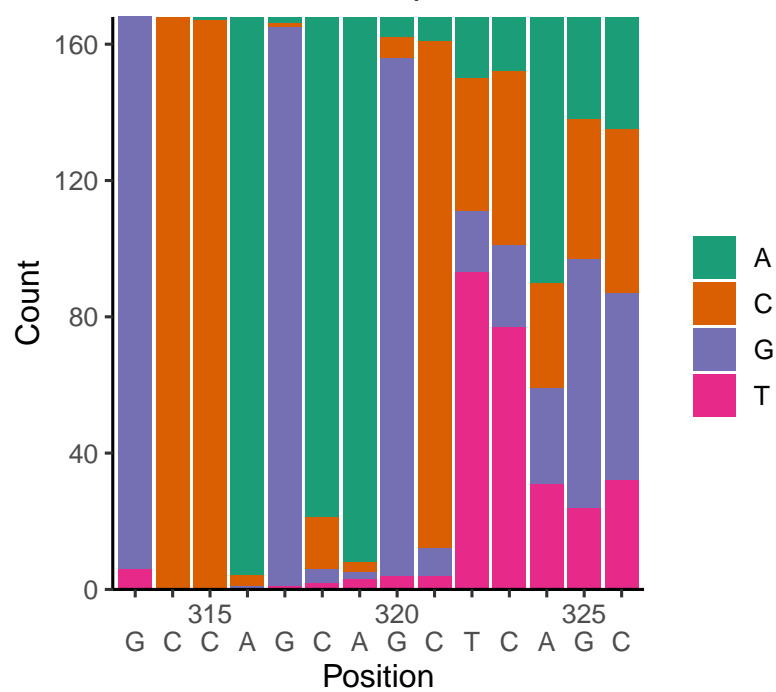
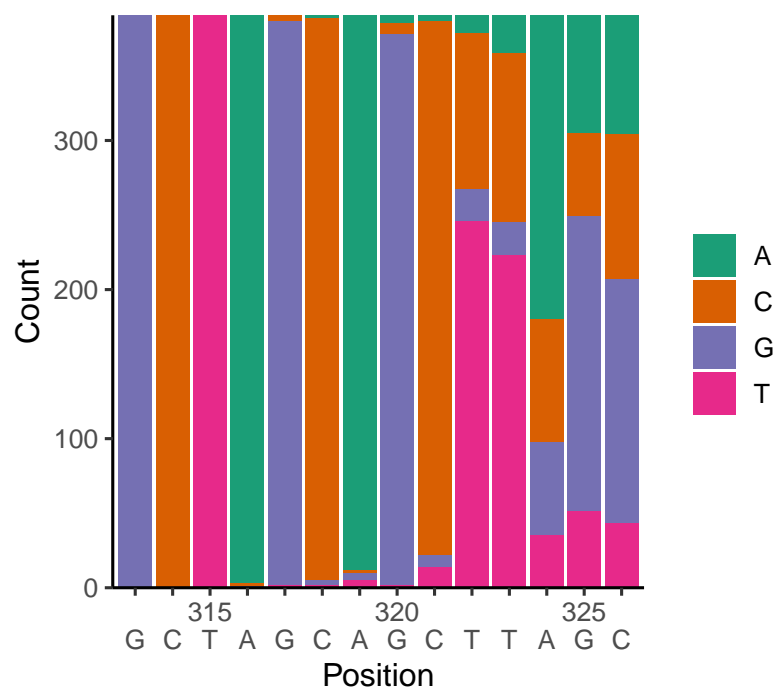


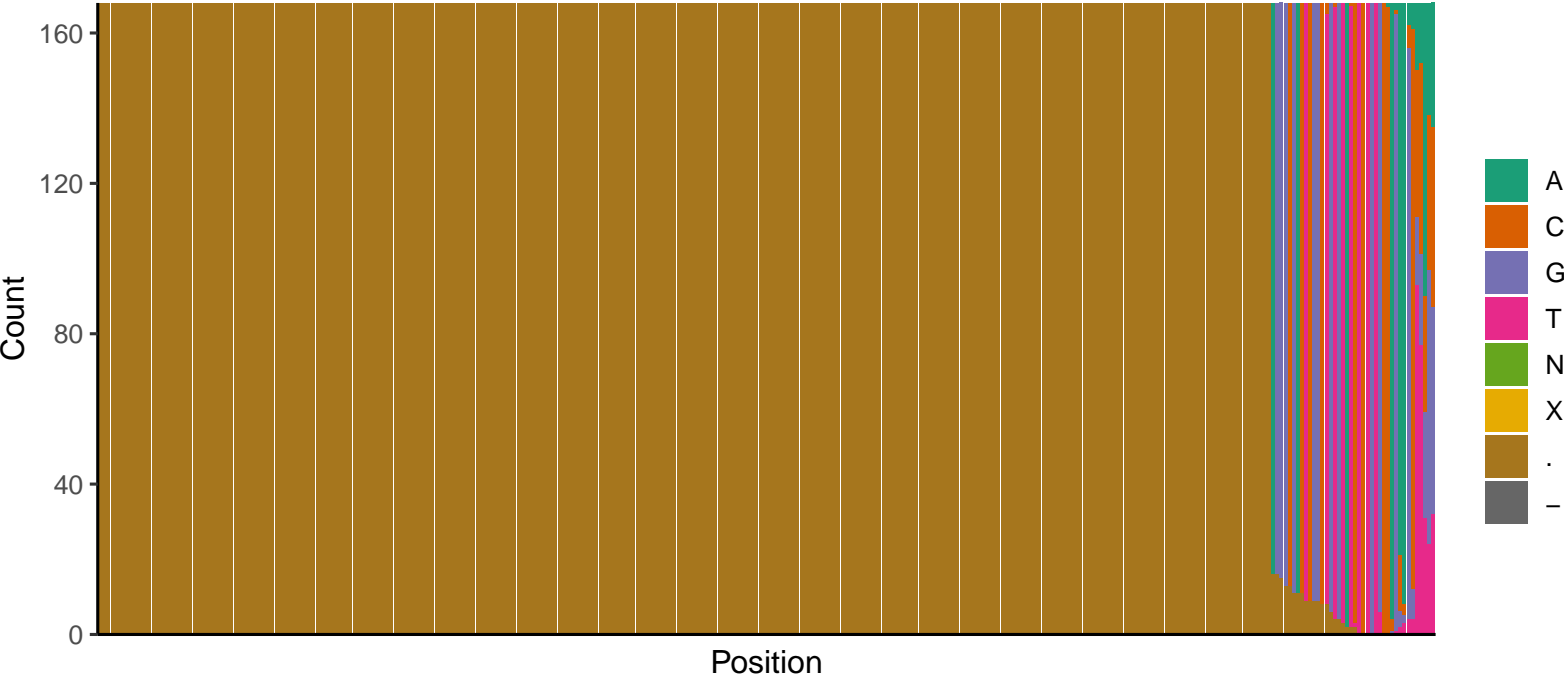
Gene TRBV7-1\*ap01\_G291C\_T296C



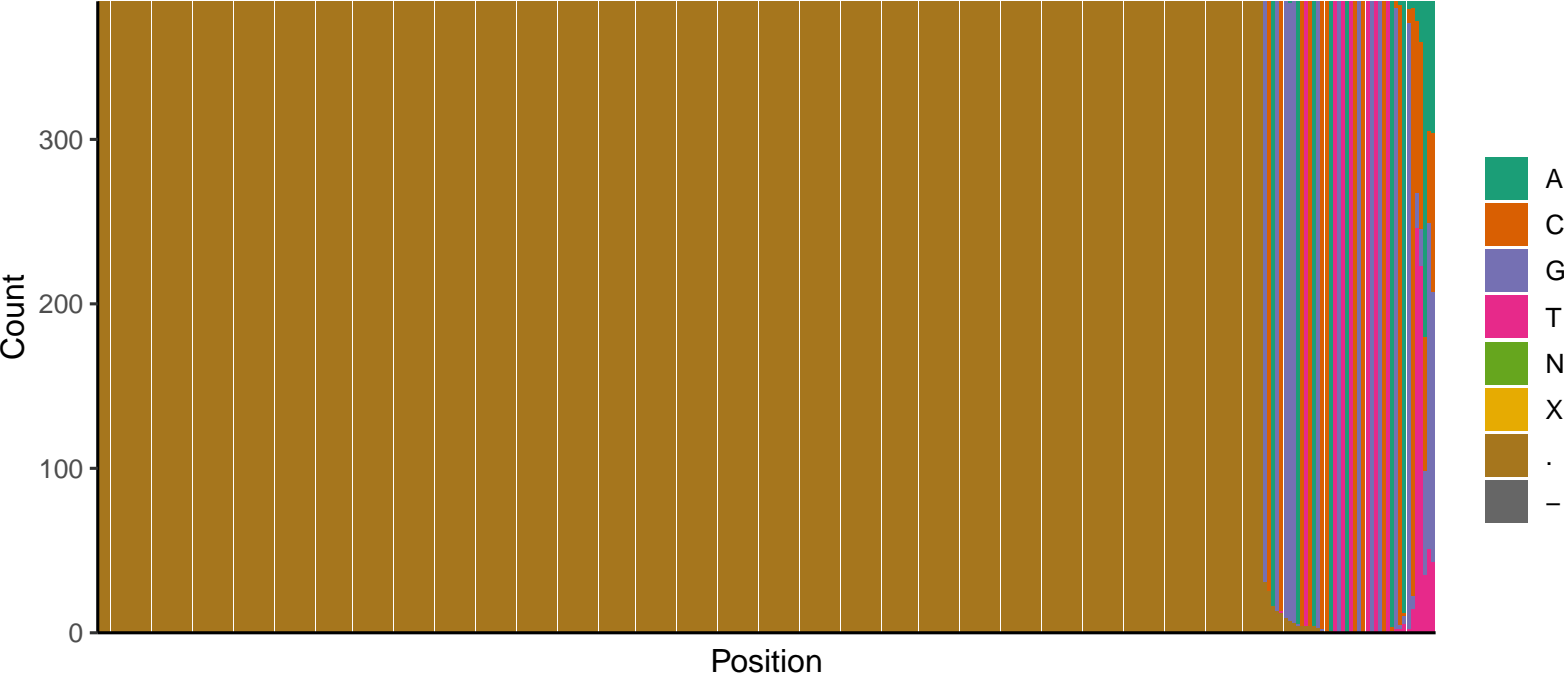
Gene TRBV7-7\*ap01\_C315T



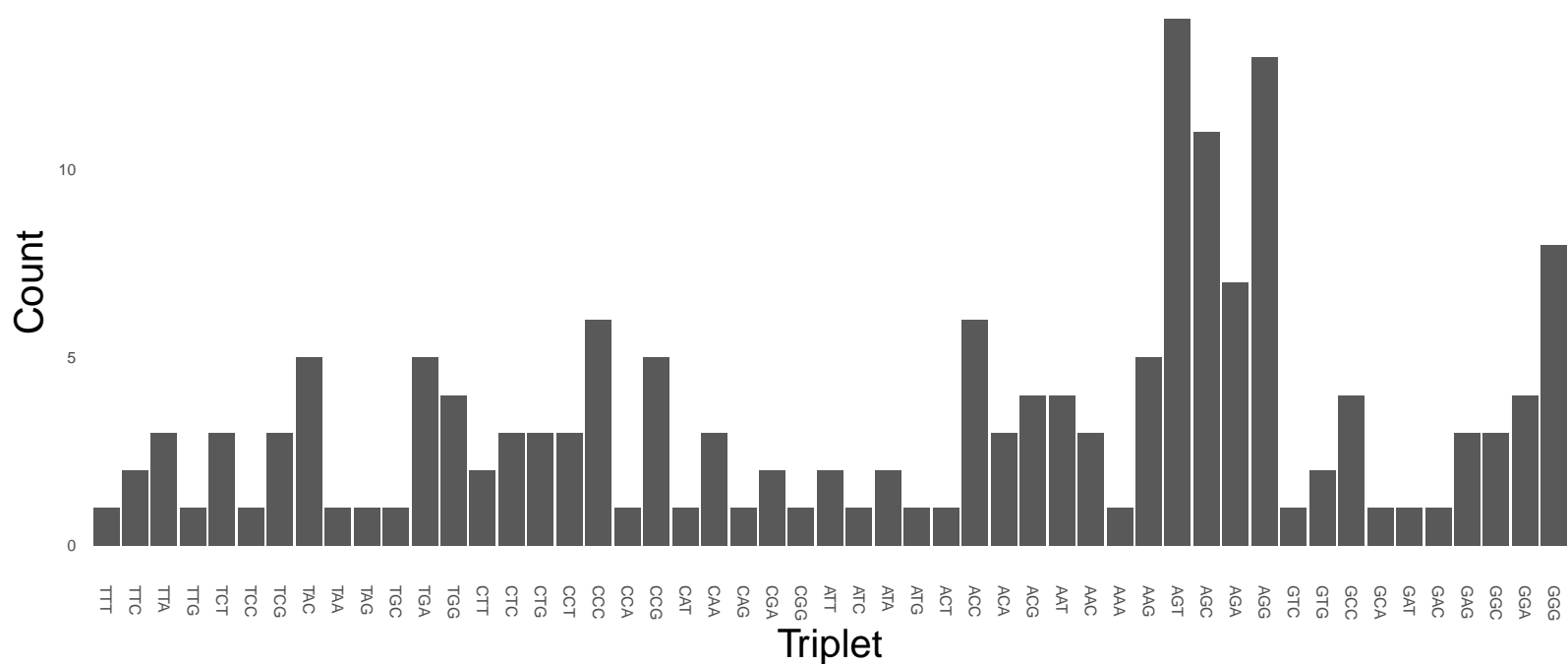
Gene TRBV7-1\*ap01\_G291C\_T296C



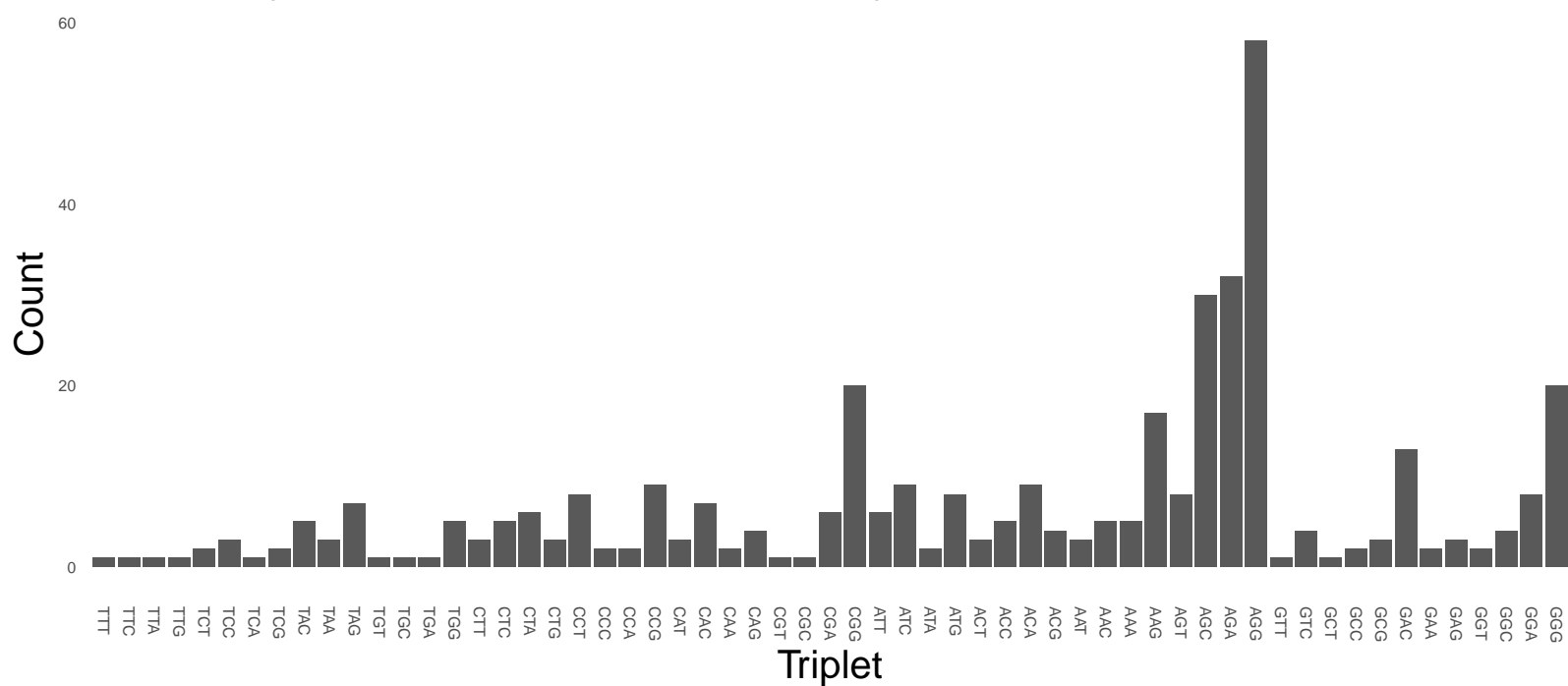
Gene TRBV7-7\*ap01\_C315T



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

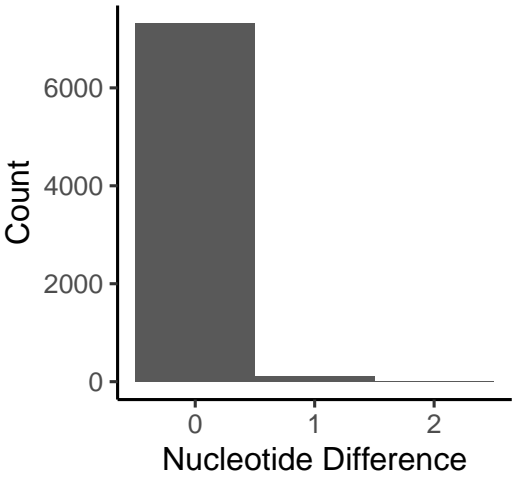


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



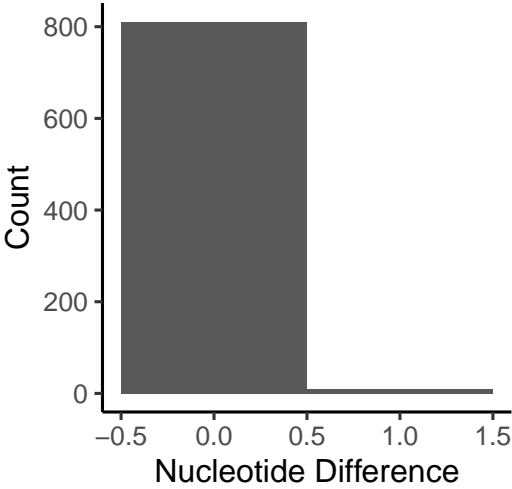
TRBV20-1\*ap01

7426 sequences assigned  
7316 (98.5%) exact matches, in which:  
7097 unique CDR3  
13 unique J



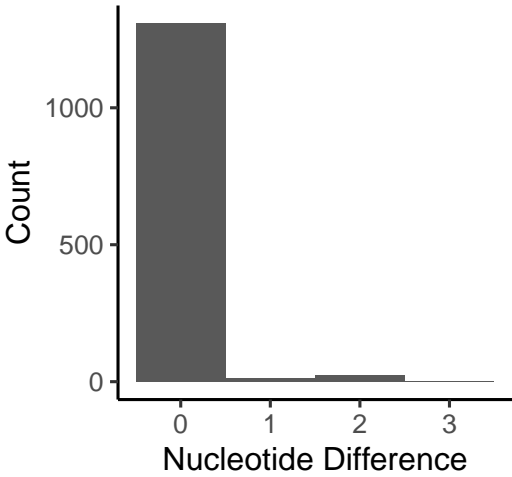
TRBV10-2\*ap01

820 sequences assigned  
811 (98.9%) exact matches, in which:  
790 unique CDR3  
13 unique J



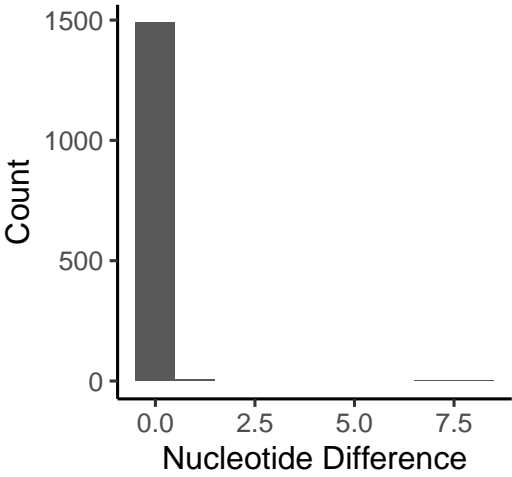
TRBV13\*ap01

1345 sequences assigned  
1308 (97.2%) exact matches, in which:  
1257 unique CDR3  
13 unique J



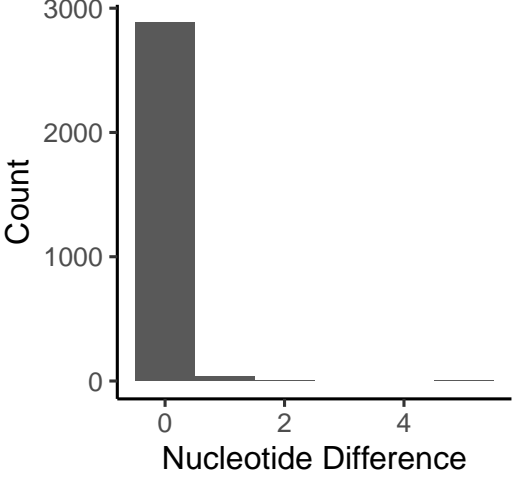
TRBV10-1\*ap01

1500 sequences assigned  
1489 (99.3%) exact matches, in which:  
1448 unique CDR3  
13 unique J



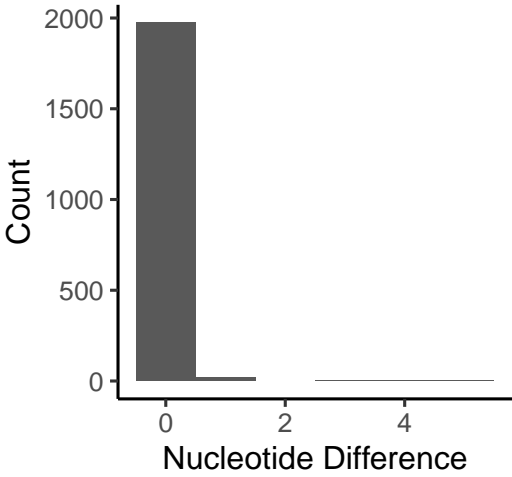
TRBV10-3\*ap01

2922 sequences assigned  
2883 (98.7%) exact matches, in which:  
2794 unique CDR3  
13 unique J



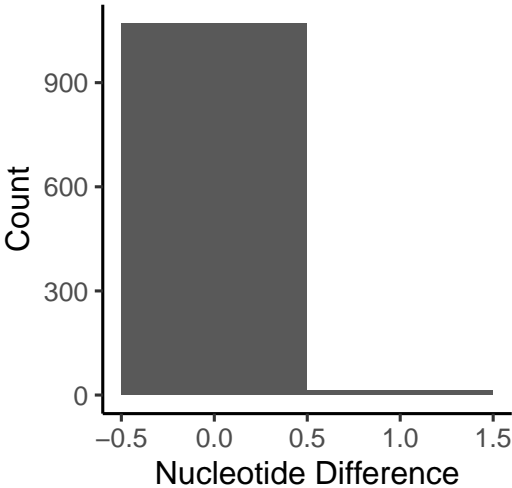
TRBV14\*ap01

1999 sequences assigned  
1974 (98.7%) exact matches, in which:  
1935 unique CDR3  
13 unique J



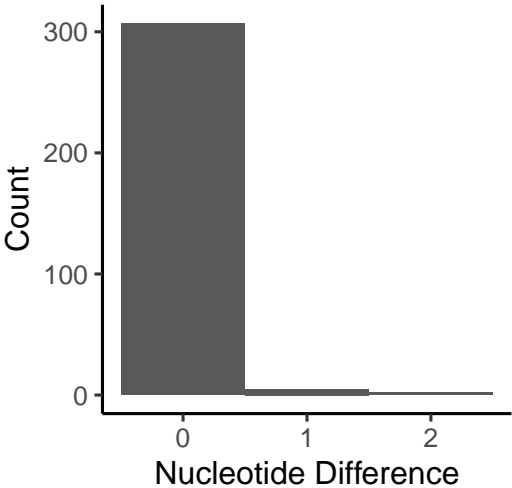
TRBV20-1\*ap02

1085 sequences assigned  
1071 (98.7%) exact matches, in which:  
1039 unique CDR3  
13 unique J



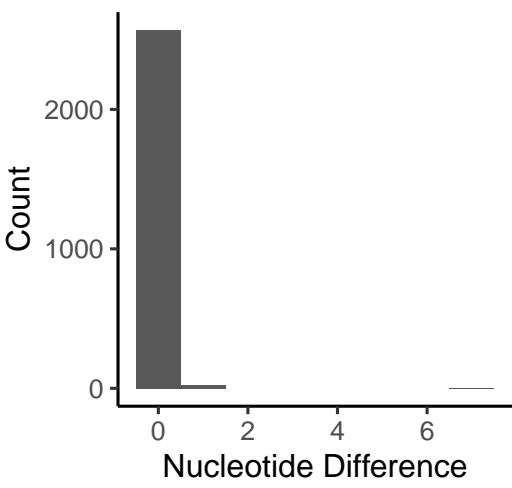
TRBV1\*ap01

314 sequences assigned  
307 (97.8%) exact matches, in which:  
294 unique CDR3  
12 unique J



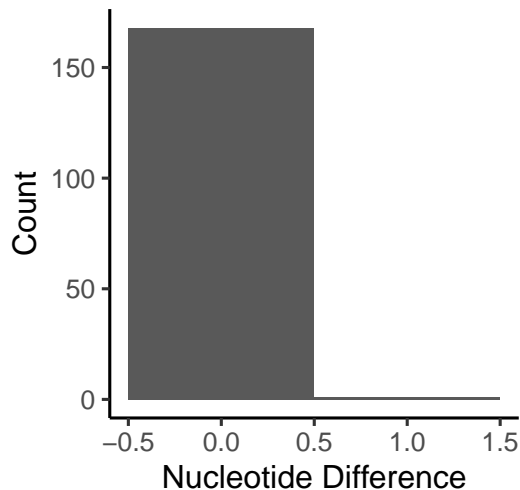
TRBV15\*ap02

2596 sequences assigned  
2569 (99%) exact matches, in which:  
2497 unique CDR3  
13 unique J



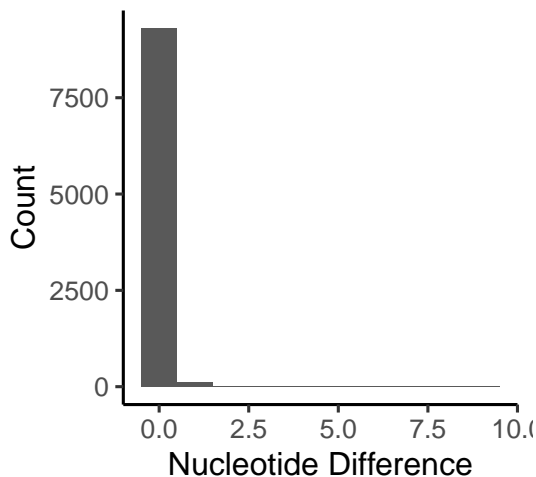
### TRBV16\*ap01

169 sequences assigned  
168 (99.4%) exact matches, in which:  
166 unique CDR3  
12 unique J



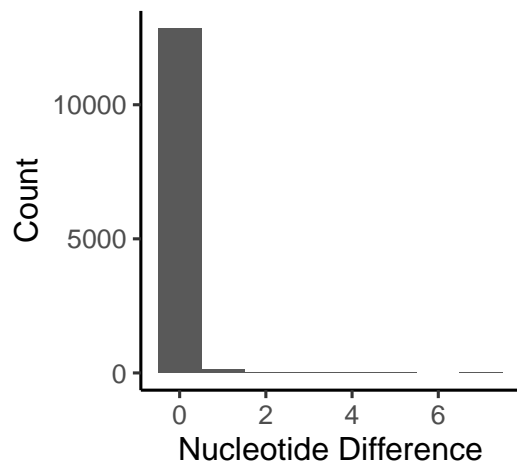
### TRBV19\*ap01

9434 sequences assigned  
9299 (98.6%) exact matches, in which:  
9099 unique CDR3  
13 unique J



### TRBV28\*ap01

13008 sequences assigned  
12856 (98.8%) exact matches, in which:  
12439 unique CDR3  
13 unique J



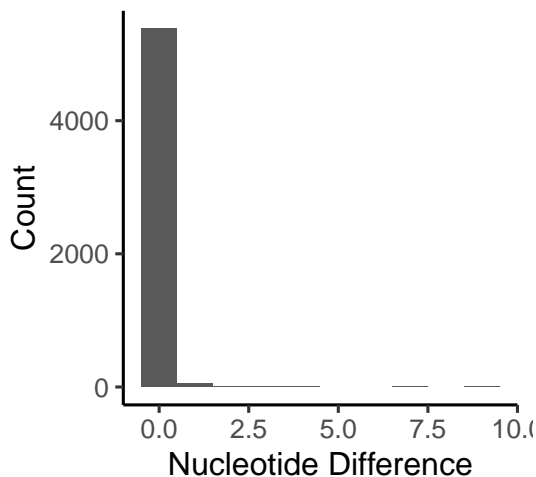
### TRBV17\*ap01

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



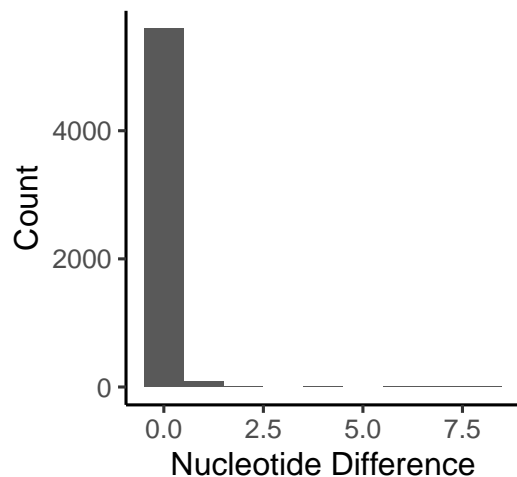
### TRBV2\*ap01

5444 sequences assigned  
5381 (98.8%) exact matches, in which:  
5215 unique CDR3  
13 unique J



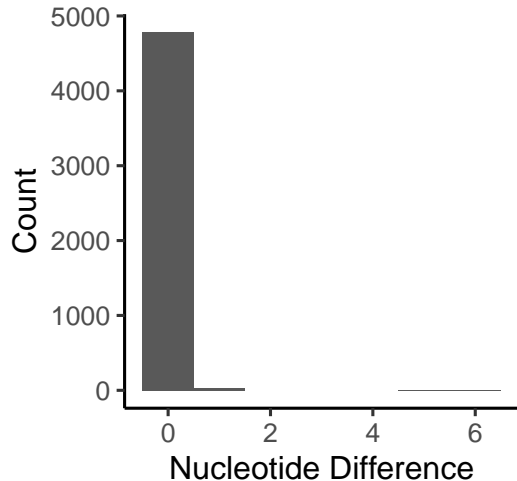
### TRBV30\*ap01

5679 sequences assigned  
5592 (98.5%) exact matches, in which:  
5502 unique CDR3  
13 unique J



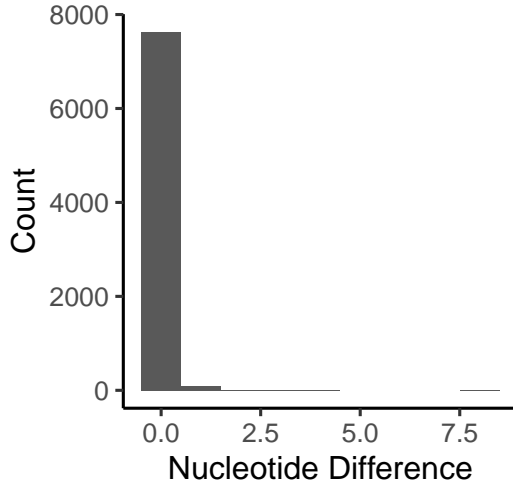
### TRBV18\*ap01

4822 sequences assigned  
4785 (99.2%) exact matches, in which:  
4679 unique CDR3  
13 unique J



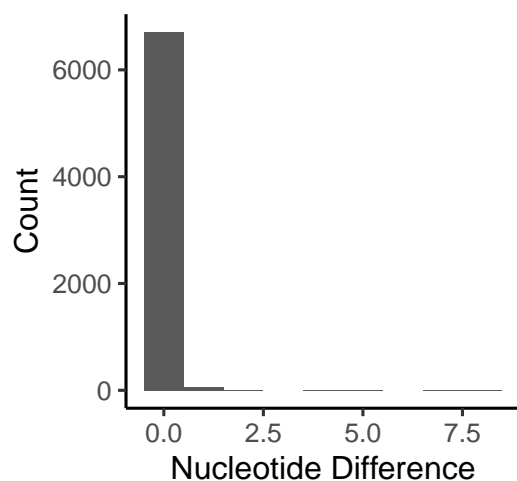
### TRBV27\*ap01

7729 sequences assigned  
7627 (98.7%) exact matches, in which:  
7388 unique CDR3  
13 unique J



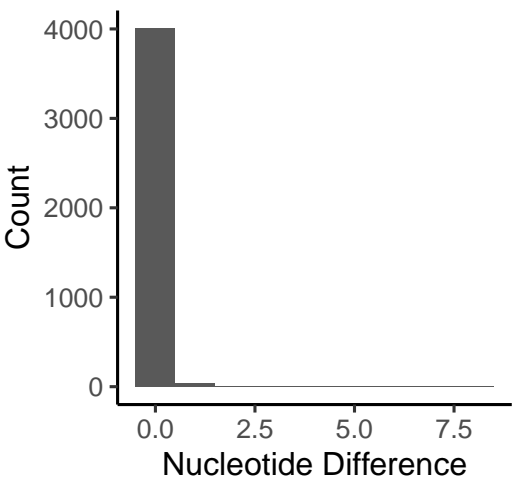
### TRBV9\*ap01

6777 sequences assigned  
6708 (99%) exact matches, in which:  
6537 unique CDR3  
13 unique J



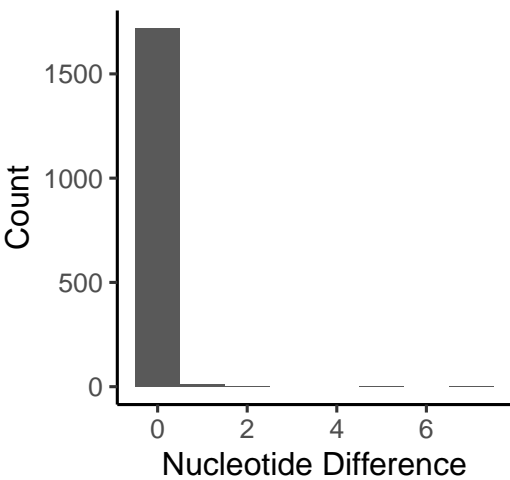
TRBV21-1\*ap01

4062 sequences assigned  
4006 (98.6%) exact matches, in which:  
3908 unique CDR3  
13 unique J



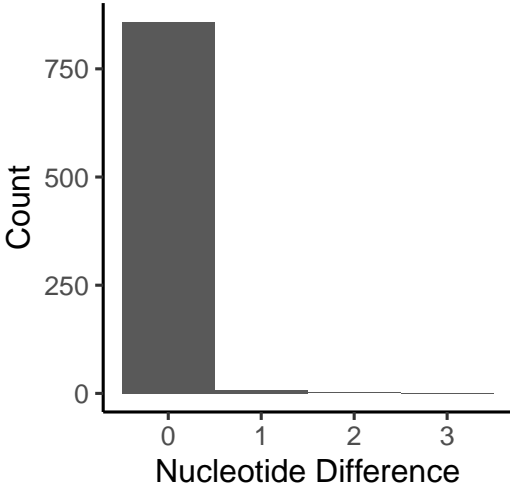
TRBV11-3\*ap01

1737 sequences assigned  
1718 (98.9%) exact matches, in which:  
1686 unique CDR3  
13 unique J



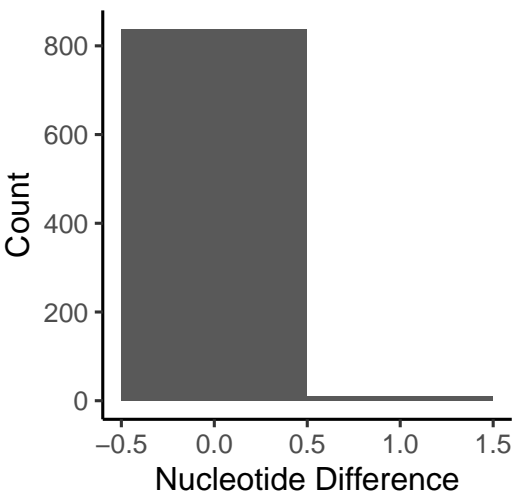
TRBV12-5\*ap01

869 sequences assigned  
859 (98.8%) exact matches, in which:  
836 unique CDR3  
13 unique J



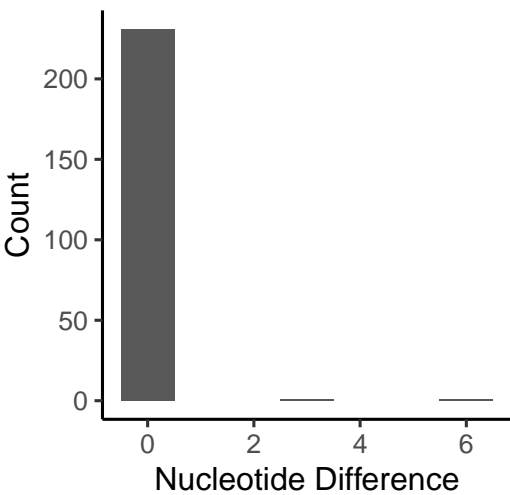
TRBV11-1\*ap01

849 sequences assigned  
838 (98.7%) exact matches, in which:  
820 unique CDR3  
13 unique J



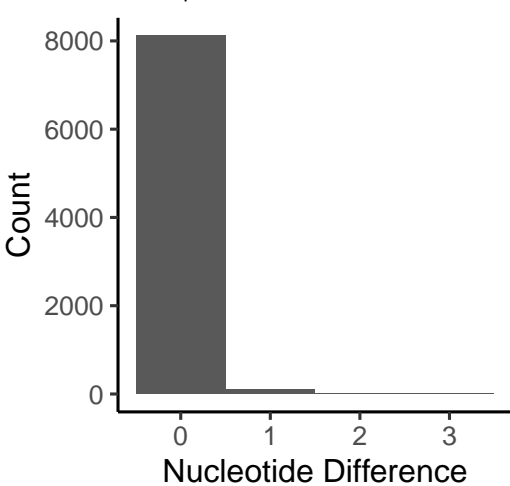
TRBV12-1\*ap01

233 sequences assigned  
231 (99.1%) exact matches, in which:  
224 unique CDR3  
13 unique J



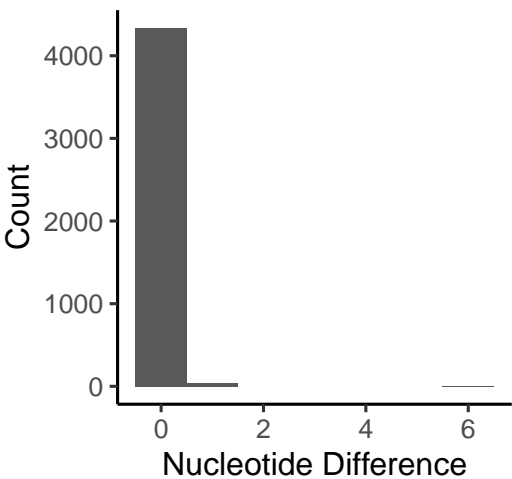
TRBV12-34\*ap01

8216 sequences assigned  
8117 (98.8%) exact matches, in which:  
7883 unique CDR3  
13 unique J



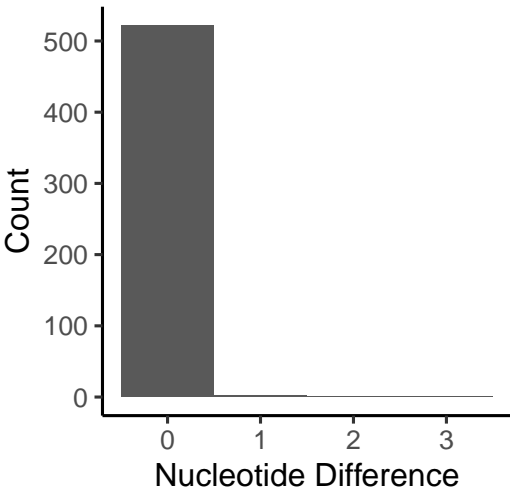
TRBV11-2\*ap01

4373 sequences assigned  
4335 (99.1%) exact matches, in which:  
4202 unique CDR3  
13 unique J



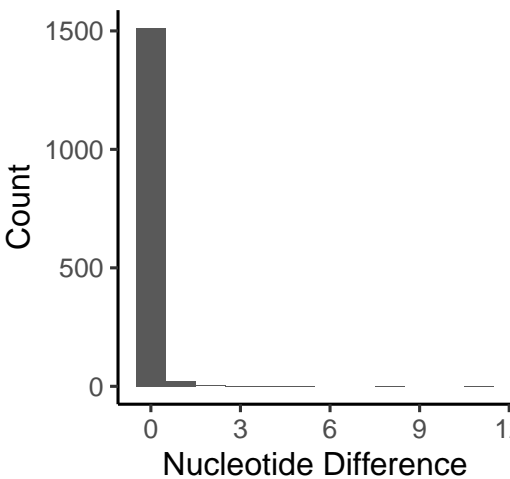
TRBV12-2\*ap01

526 sequences assigned  
522 (99.2%) exact matches, in which:  
509 unique CDR3  
13 unique J



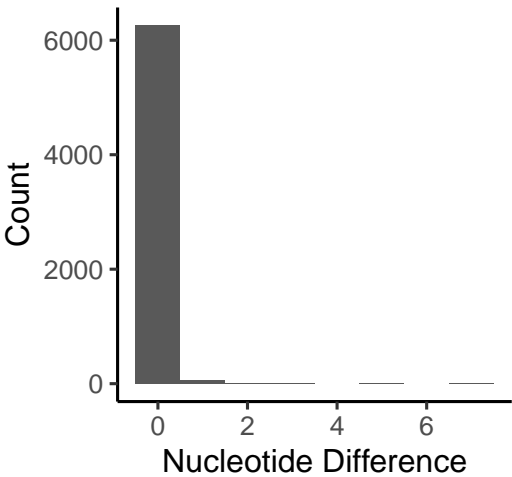
TRBV23-1\*ap01

1545 sequences assigned  
1512 (97.9%) exact matches, in which:  
1471 unique CDR3  
13 unique J



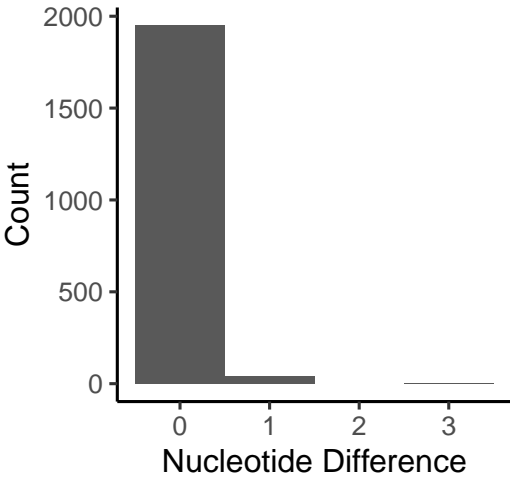
TRBV3-12\*ap01

6330 sequences assigned  
6259 (98.9%) exact matches, in which:  
6111 unique CDR3  
13 unique J



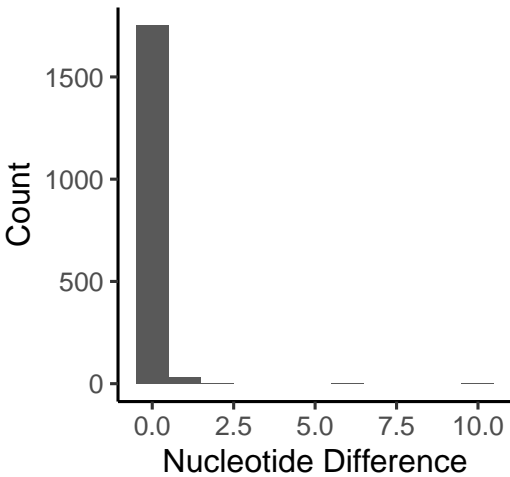
TRBV4-2\*ap01

1994 sequences assigned  
1950 (97.8%) exact matches, in which:  
1896 unique CDR3  
13 unique J



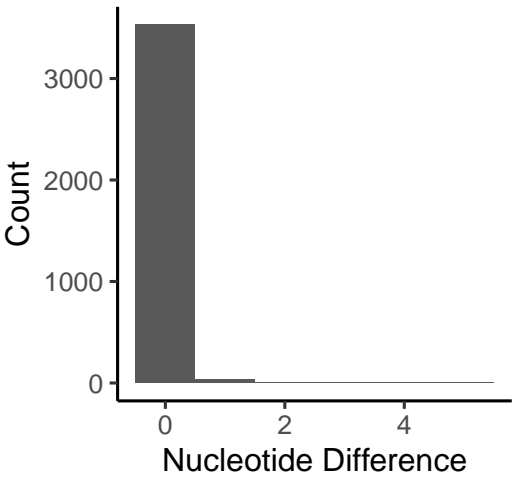
TRBV25-1\*ap01

1785 sequences assigned  
1752 (98.2%) exact matches, in which:  
1714 unique CDR3  
13 unique J



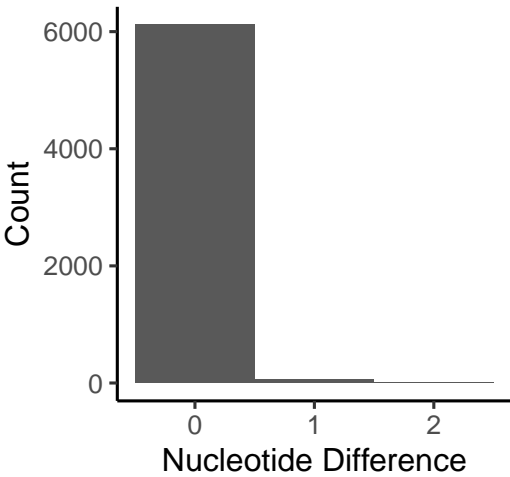
TRBV24-1\*ap01

3576 sequences assigned  
3530 (98.7%) exact matches, in which:  
3452 unique CDR3  
13 unique J



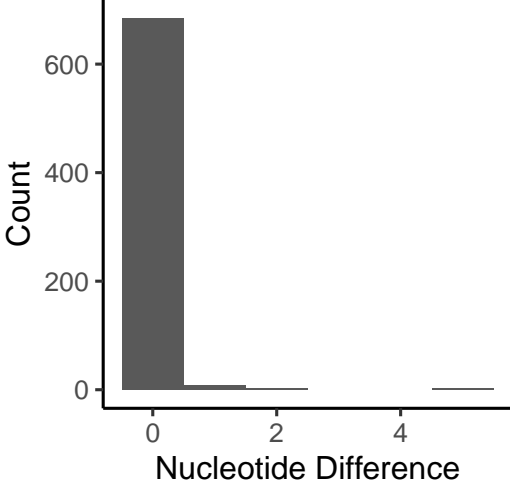
TRBV4-3\*ap01

6180 sequences assigned  
6118 (99%) exact matches, in which:  
5965 unique CDR3  
13 unique J



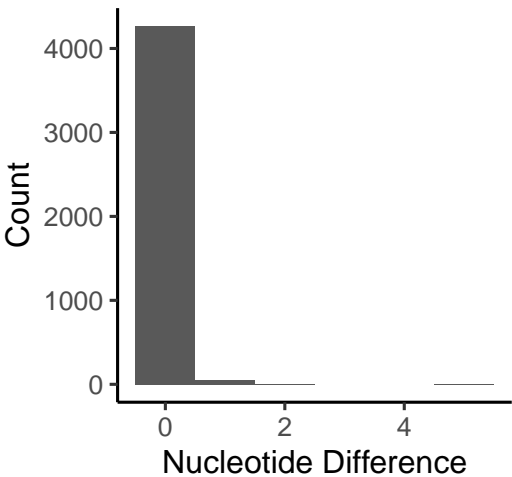
TRBV5-3\*ap01

700 sequences assigned  
685 (97.9%) exact matches, in which:  
661 unique CDR3  
13 unique J



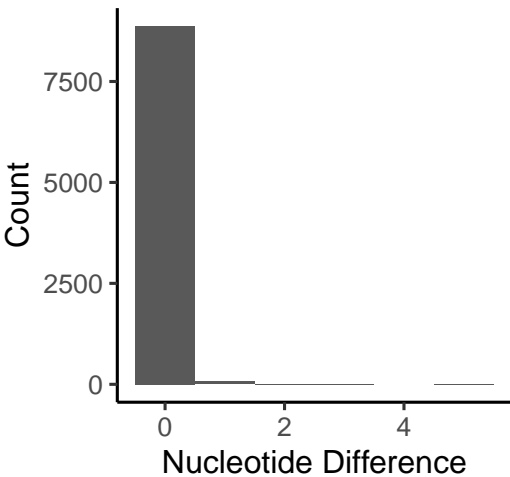
TRBV4-1\*ap01

4319 sequences assigned  
4267 (98.8%) exact matches, in which:  
4147 unique CDR3  
13 unique J



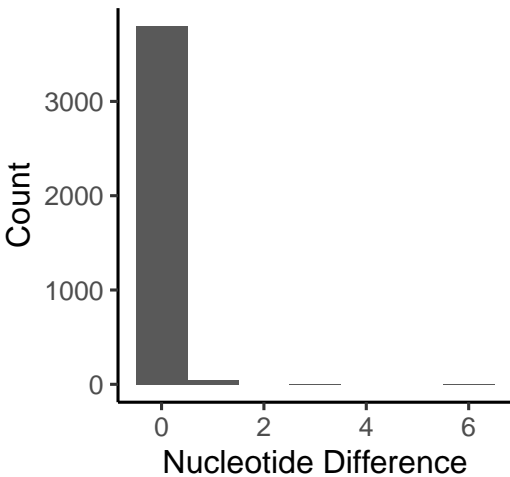
TRBV5-1\*ap01

8948 sequences assigned  
8873 (99.2%) exact matches, in which:  
8607 unique CDR3  
13 unique J



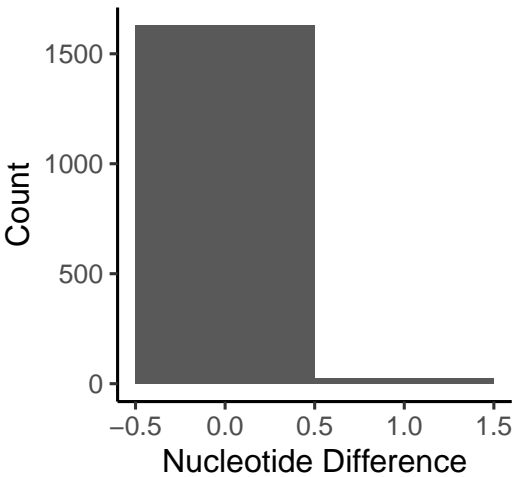
TRBV5-4\*ap01

3844 sequences assigned  
3799 (98.8%) exact matches, in which:  
3675 unique CDR3  
13 unique J



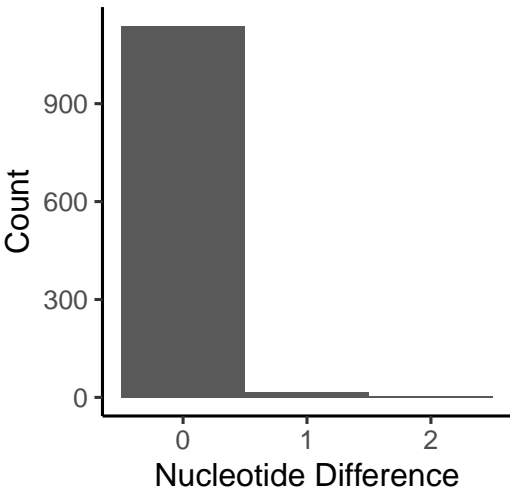
TRBV5-5\*ap01

1654 sequences assigned  
1629 (98.5%) exact matches, in which:  
1615 unique CDR3  
14 unique J



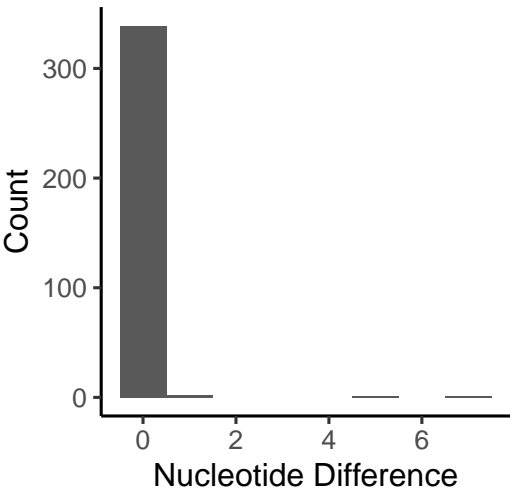
TRBV5-8\*ap01

1159 sequences assigned  
1139 (98.3%) exact matches, in which:  
1101 unique CDR3  
13 unique J



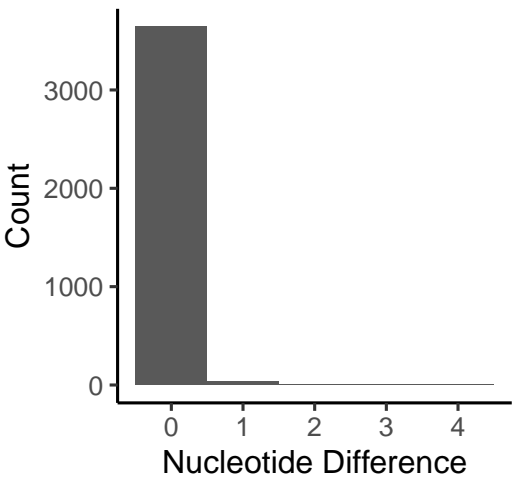
TRBV6-7\*ap01

343 sequences assigned  
339 (98.8%) exact matches, in which:  
326 unique CDR3  
13 unique J



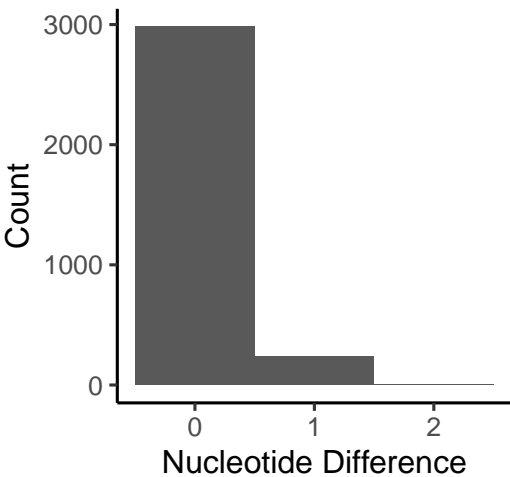
TRBV5-6\*ap01

3679 sequences assigned  
3643 (99%) exact matches, in which:  
3540 unique CDR3  
13 unique J



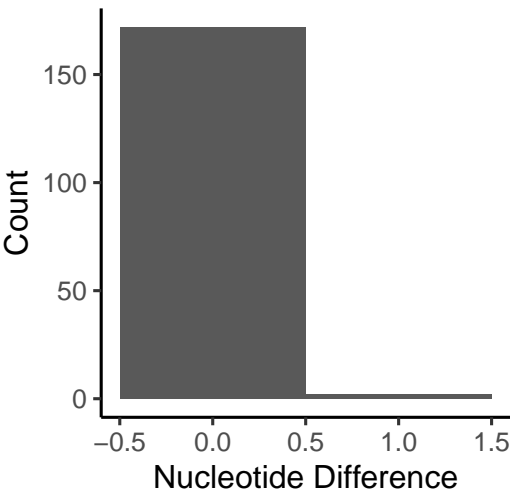
TRBV6-1\*ap01

3218 sequences assigned  
2982 (92.7%) exact matches, in which:  
2894 unique CDR3  
13 unique J



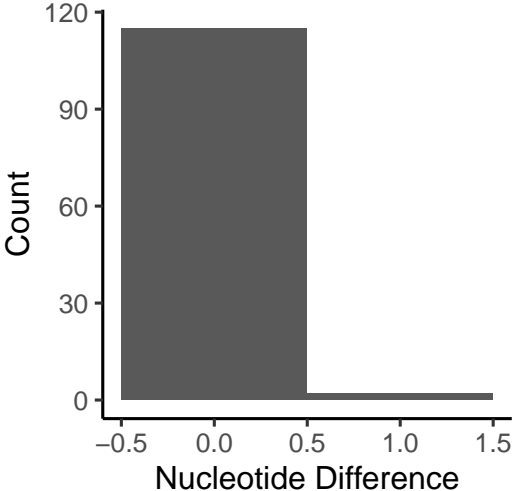
TRBV6-8\*ap01

174 sequences assigned  
172 (98.9%) exact matches, in which:  
170 unique CDR3  
13 unique J



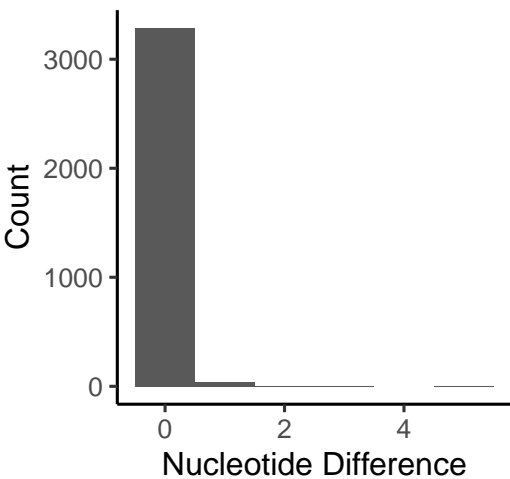
TRBV5-7\*ap01

117 sequences assigned  
115 (98.3%) exact matches, in which:  
111 unique CDR3  
13 unique J



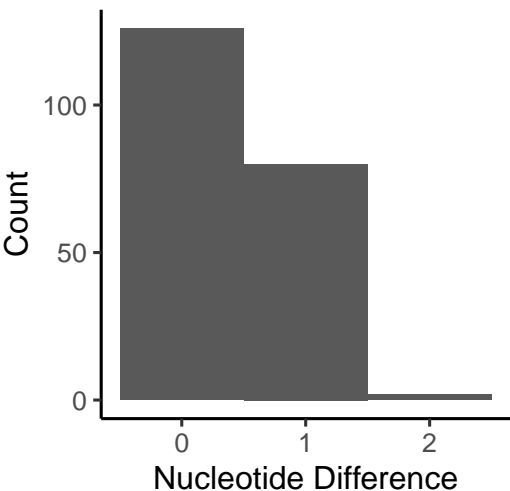
TRBV6-4\*ap01

3328 sequences assigned  
3286 (98.7%) exact matches, in which:  
3223 unique CDR3  
13 unique J



TRBV6-9\*ap01

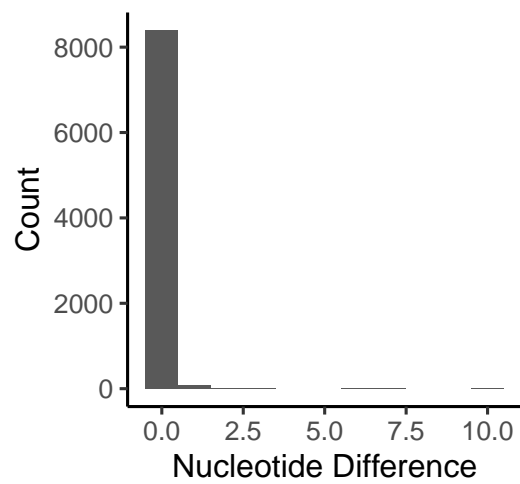
208 sequences assigned  
126 (60.6%) exact matches, in which:  
123 unique CDR3  
13 unique J





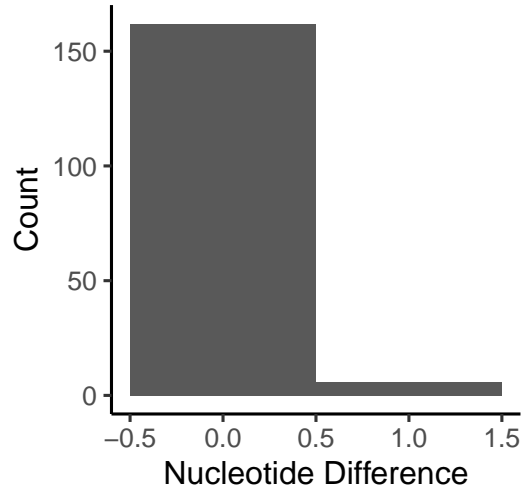
### TRBV6-23\*ap01

8479 sequences assigned  
8392 (99%) exact matches, in which:  
8157 unique CDR3  
13 unique J



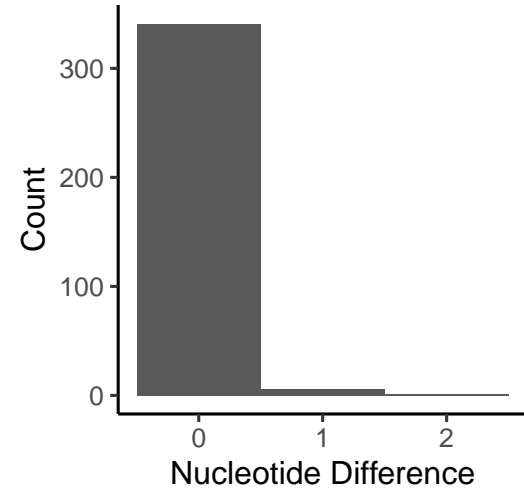
### TRBV7-1\*ap01\_G291C\_

168 sequences assigned  
162 (96.4%) exact matches, in which:  
159 unique CDR3  
13 unique J



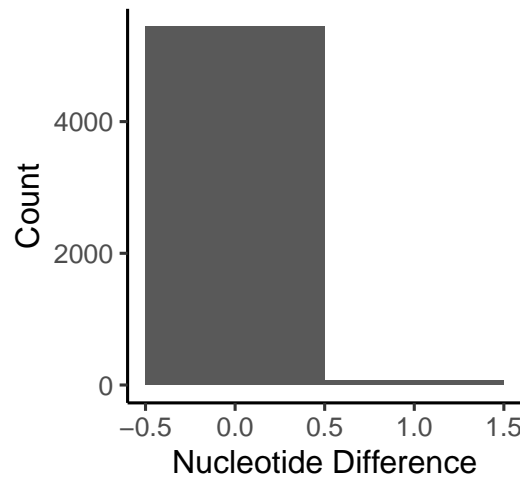
### TRBV7-4\*ap01

348 sequences assigned  
341 (98%) exact matches, in which:  
331 unique CDR3  
13 unique J



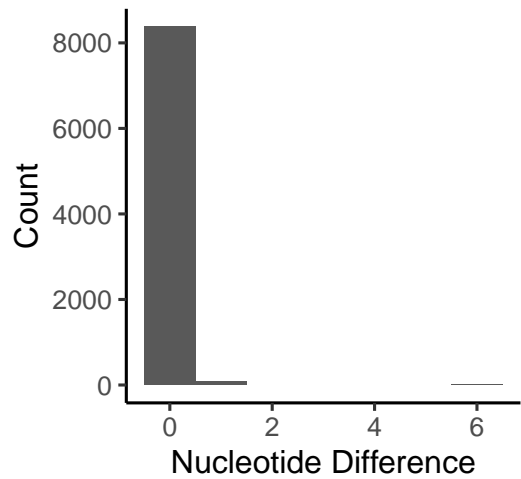
### TRBV6-56\*ap01

5512 sequences assigned  
5441 (98.7%) exact matches, in which:  
5280 unique CDR3  
14 unique J



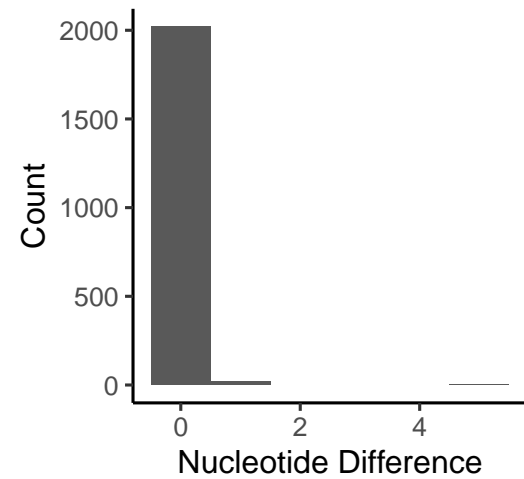
### TRBV7-2\*ap01

8451 sequences assigned  
8378 (99.1%) exact matches, in which:  
8141 unique CDR3  
13 unique J



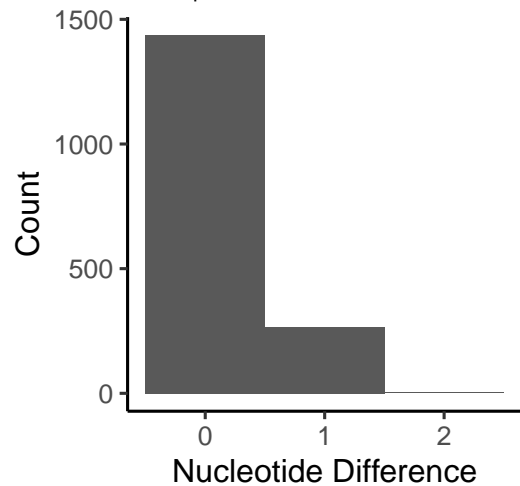
### TRBV7-6\*ap01

2042 sequences assigned  
2020 (98.9%) exact matches, in which:  
1976 unique CDR3  
13 unique J



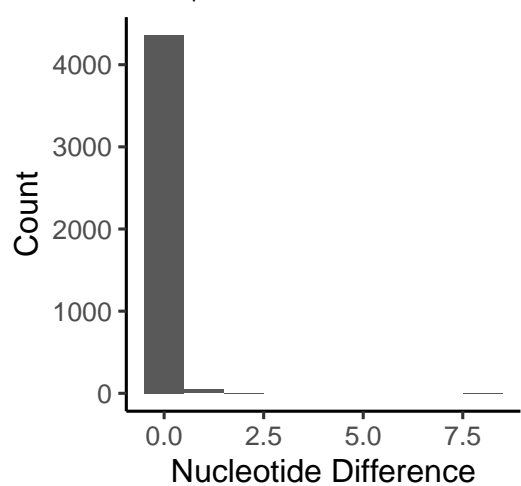
### TRBV6-56\*ap02

1707 sequences assigned  
1437 (84.2%) exact matches, in which:  
1400 unique CDR3  
13 unique J



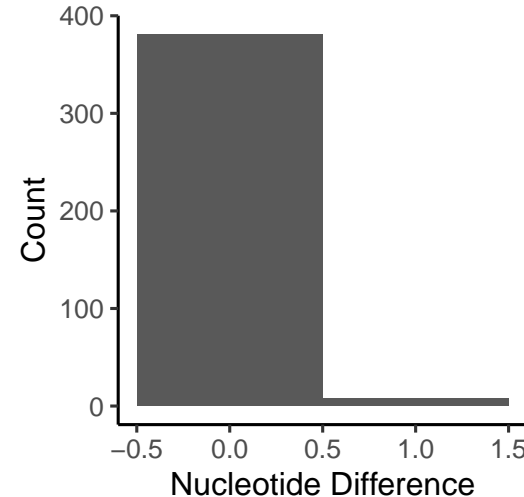
### TRBV7-3\*ap01

4408 sequences assigned  
4361 (98.9%) exact matches, in which:  
4273 unique CDR3  
13 unique J



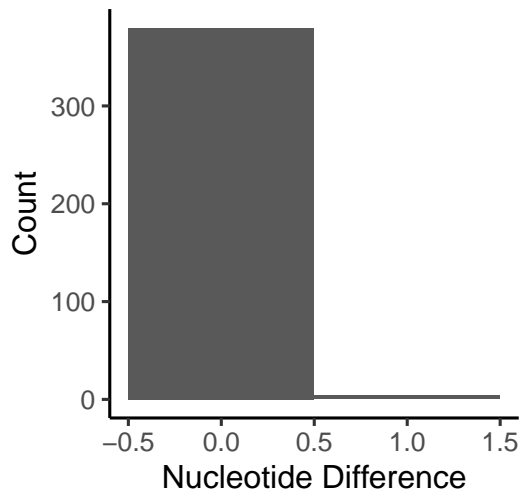
### TRBV7-7\*ap01

389 sequences assigned  
381 (97.9%) exact matches, in which:  
369 unique CDR3  
13 unique J



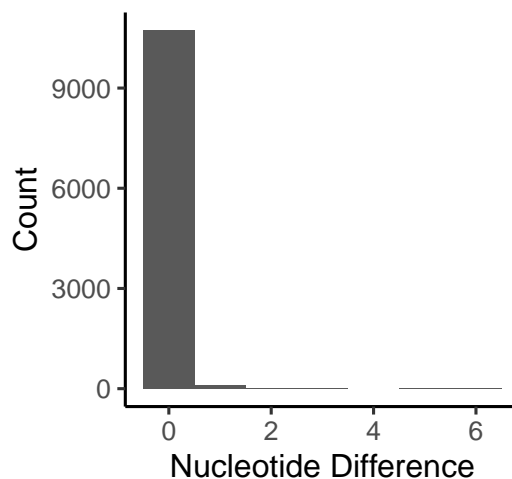
### TRBV7-7\*ap01\_C315T

384 sequences assigned  
380 (99%) exact matches, in which:  
368 unique CDR3  
13 unique J



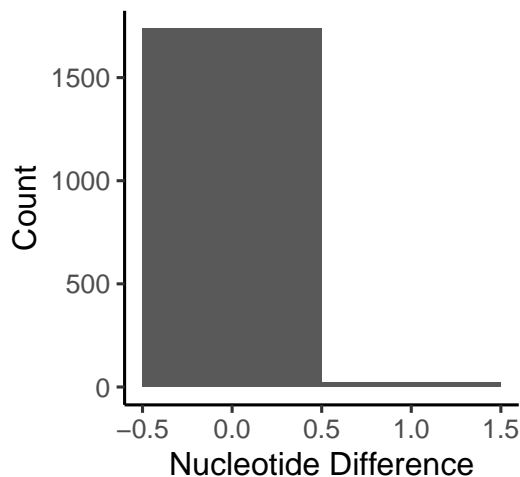
### TRBV7-9\*ap01

10841 sequences assigned  
10726 (98.9%) exact matches, in which:  
10476 unique CDR3  
13 unique J



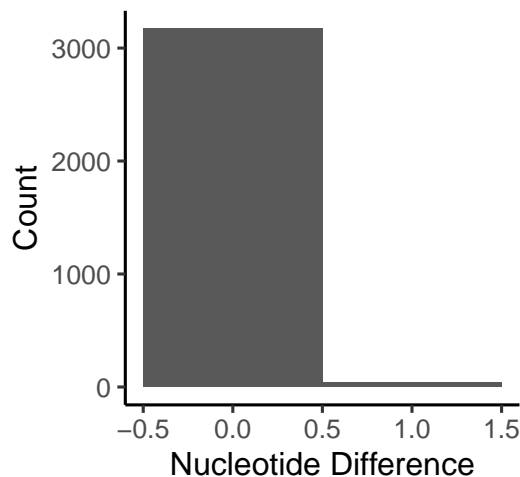
### TRBV7-8\*ap01

1761 sequences assigned  
1737 (98.6%) exact matches, in which:  
1684 unique CDR3  
13 unique J



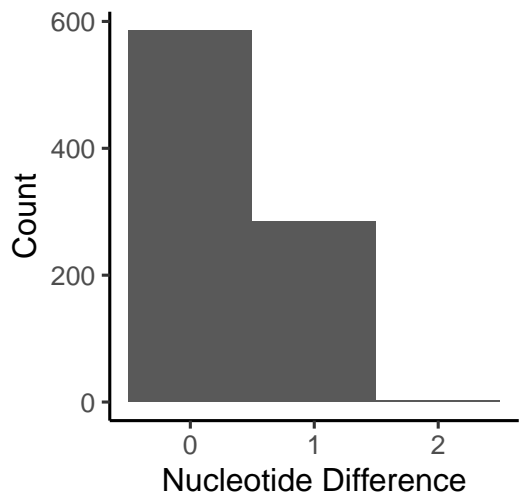
### TRBV29-1\*ap01

3208 sequences assigned  
3171 (98.8%) exact matches, in which:  
3100 unique CDR3  
13 unique J



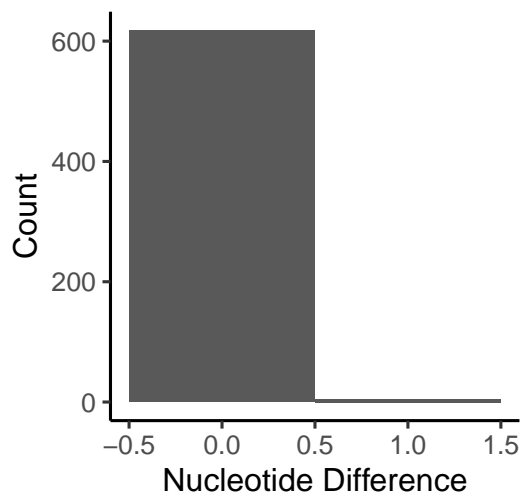
### TRBV7-8\*ap03

873 sequences assigned  
586 (67.1%) exact matches, in which:  
566 unique CDR3  
13 unique J

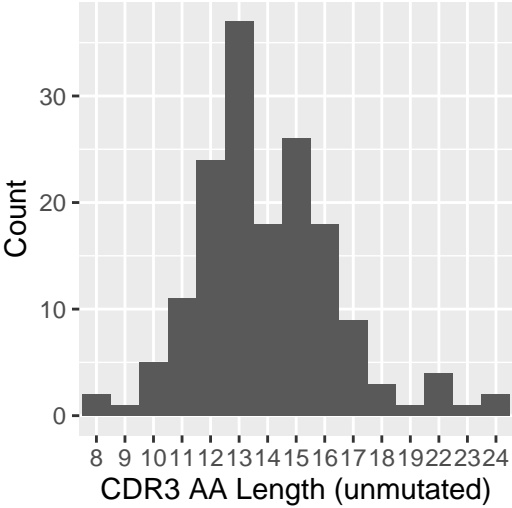


### TRBV29-1\*ap02

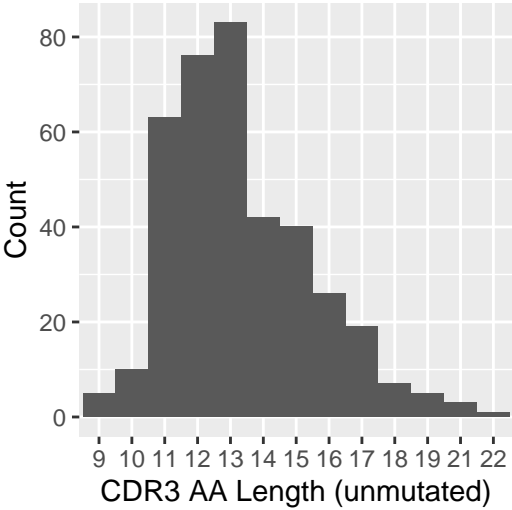
623 sequences assigned  
618 (99.2%) exact matches, in which:  
599 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]