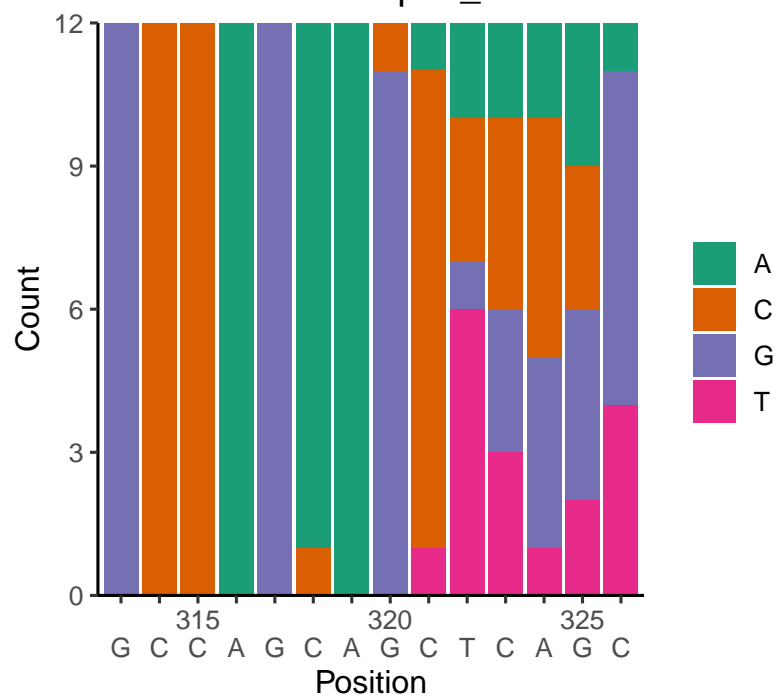
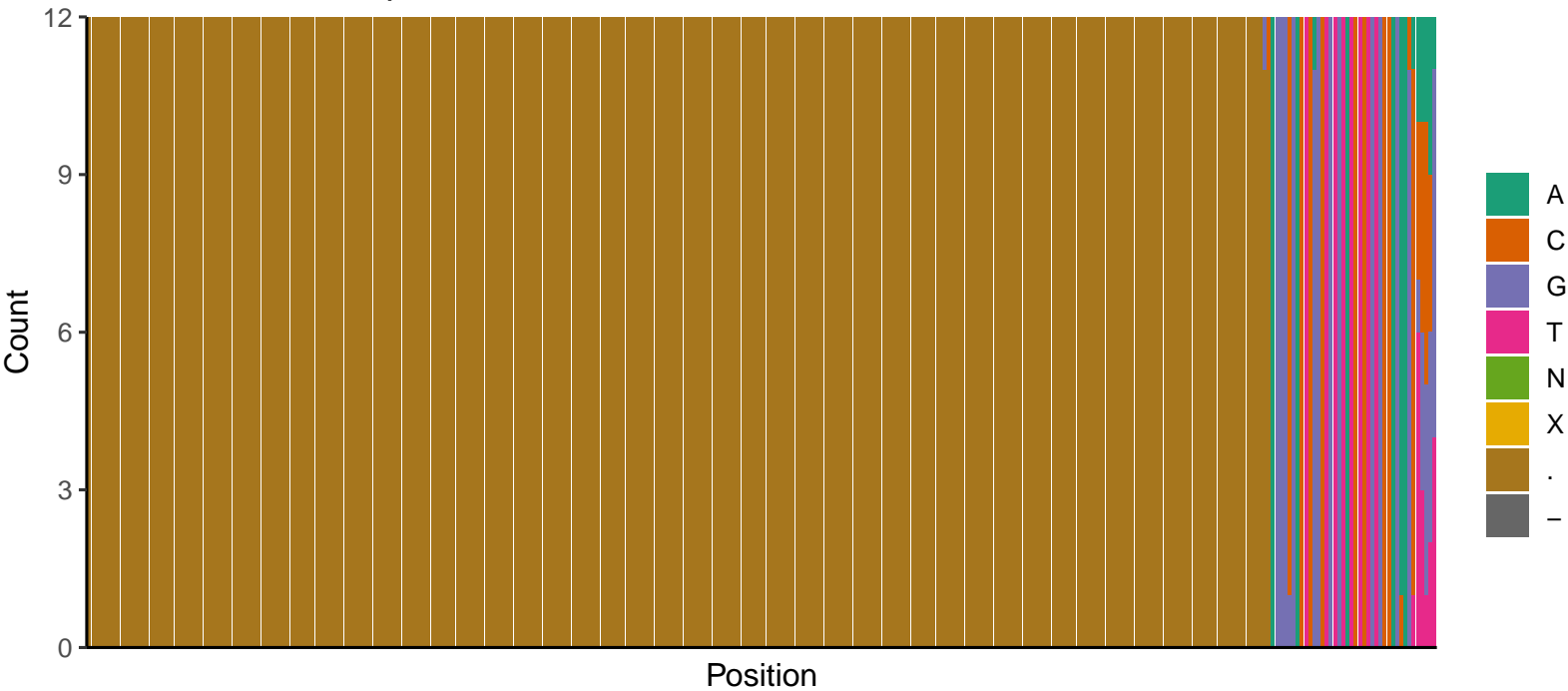


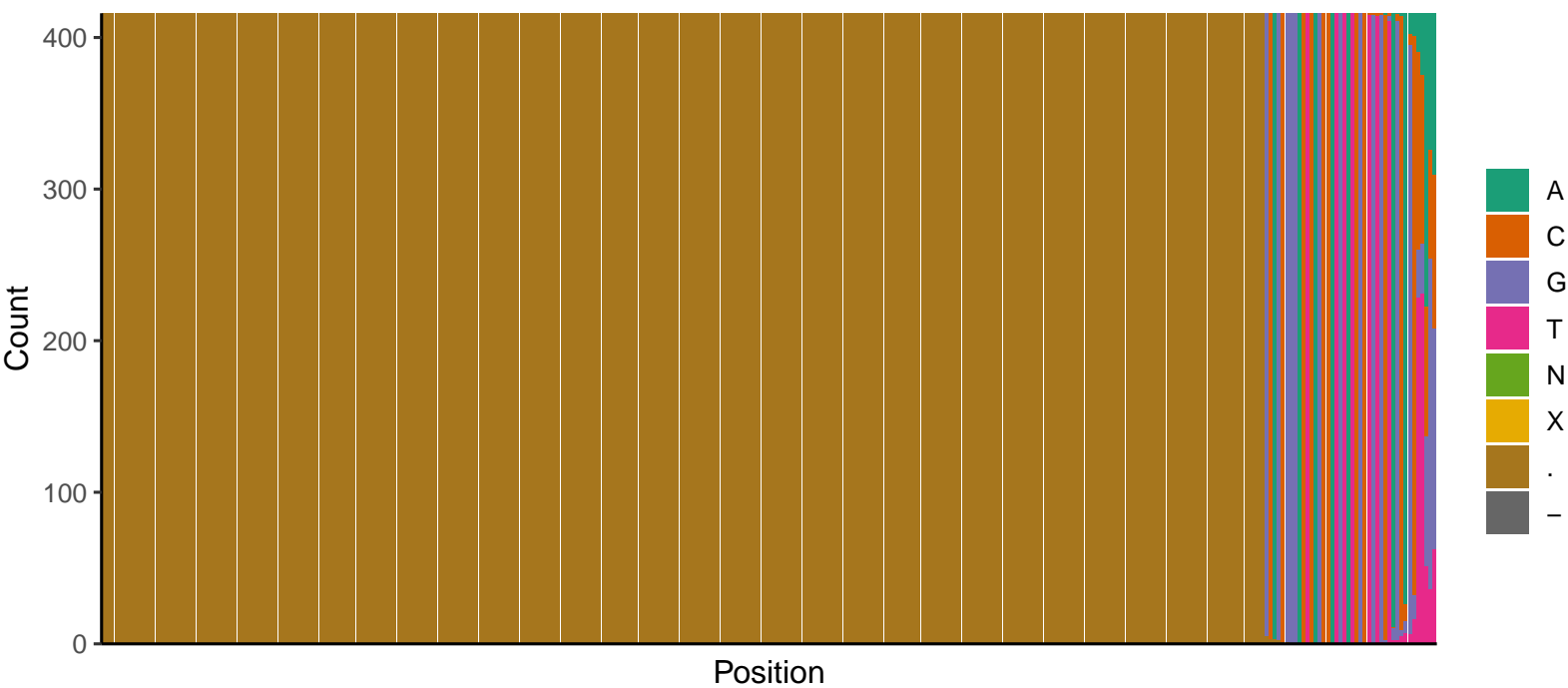
Gene TRBV7-1\*ap01\_T296C



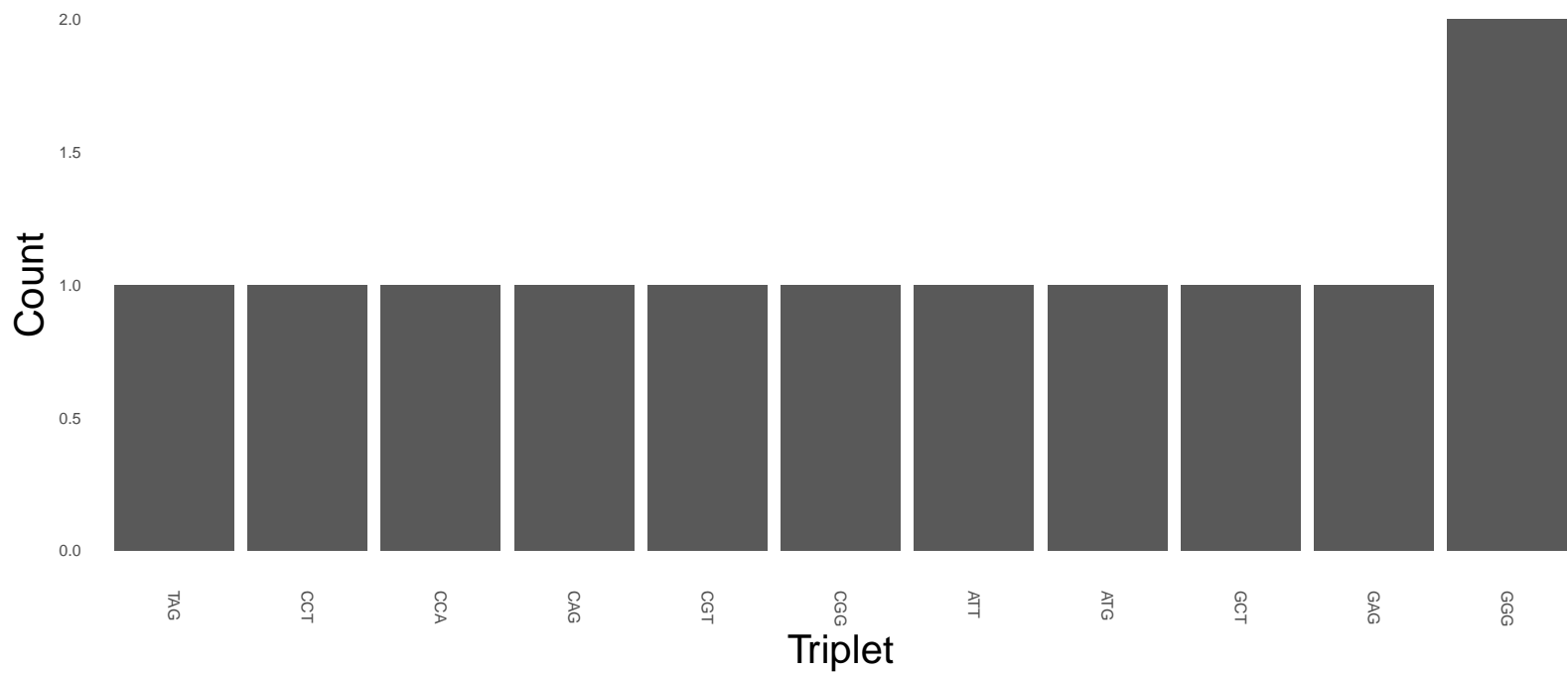
Gene TRBV7-1\*ap01\_T296C



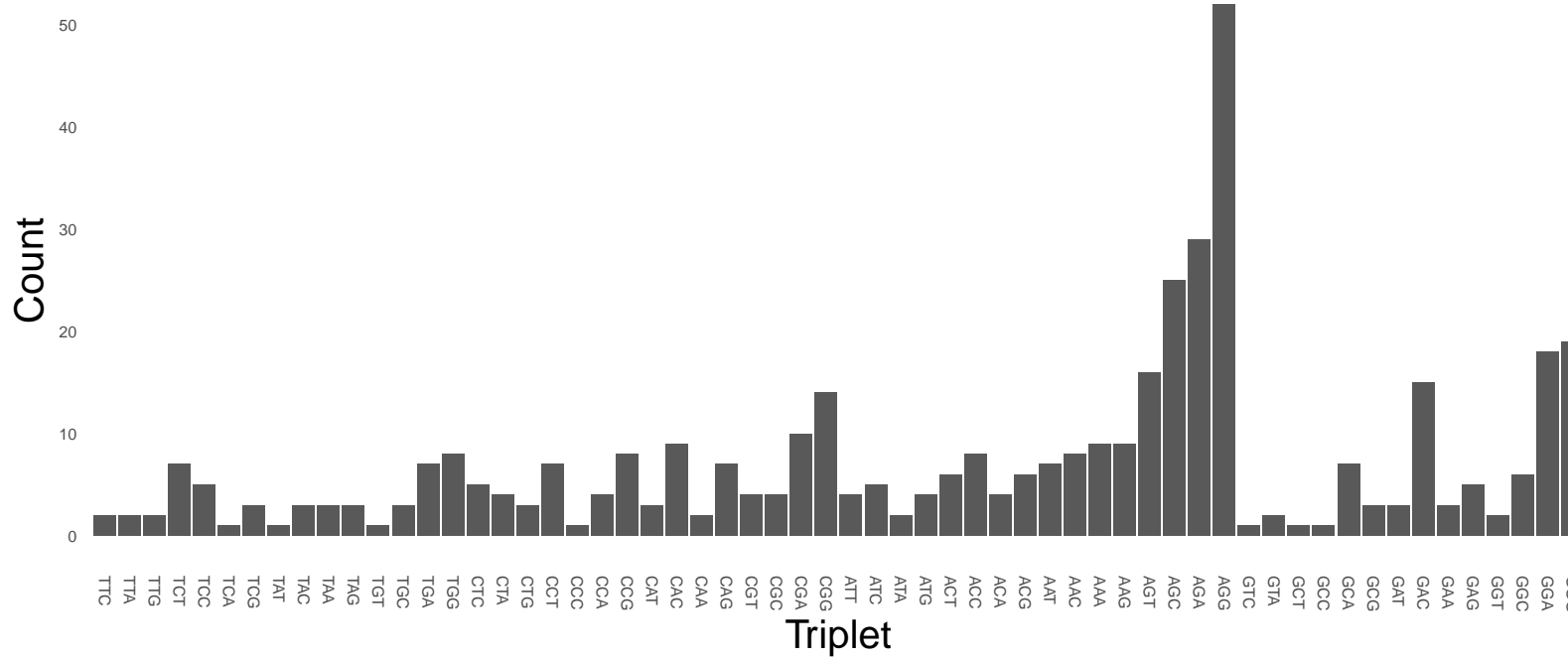
Gene TRBV7-7\*ap01\_C315T



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

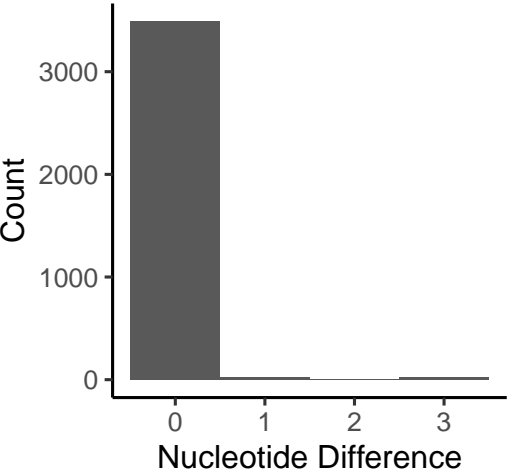


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



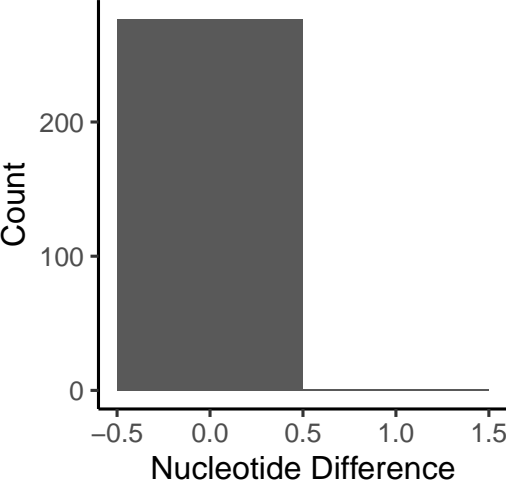
TRBV20–1\*ap01

3540 sequences assigned  
3490 (98.6%) exact matches, in which:  
3458 unique CDR3  
13 unique J



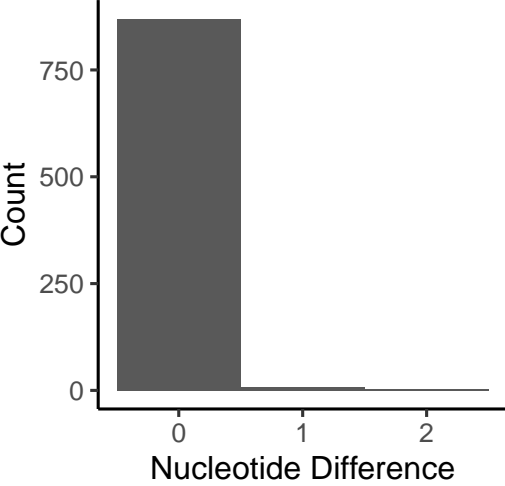
TRBV10–2\*ap01

278 sequences assigned  
277 (99.6%) exact matches, in which:  
274 unique CDR3  
13 unique J



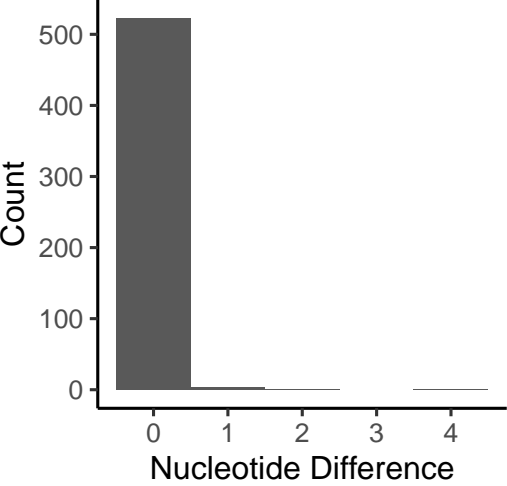
TRBV13\*ap01

882 sequences assigned  
870 (98.6%) exact matches, in which:  
862 unique CDR3  
13 unique J



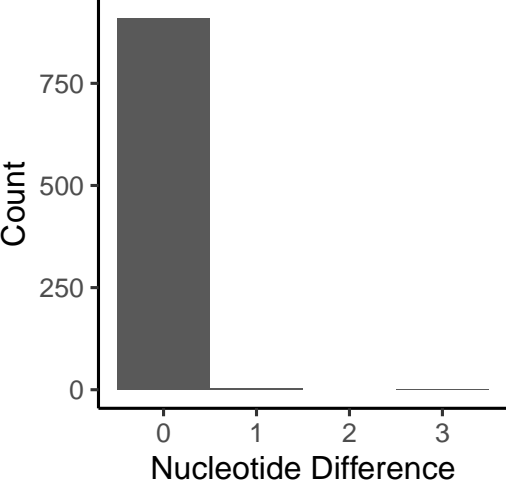
TRBV10–1\*ap01

528 sequences assigned  
523 (99.1%) exact matches, in which:  
521 unique CDR3  
13 unique J



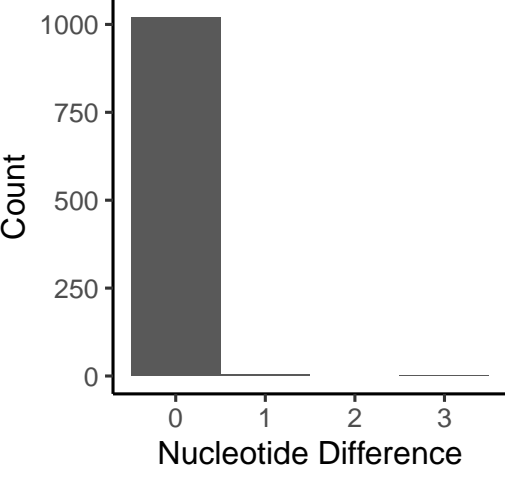
TRBV10–3\*ap01

914 sequences assigned  
910 (99.6%) exact matches, in which:  
908 unique CDR3  
13 unique J



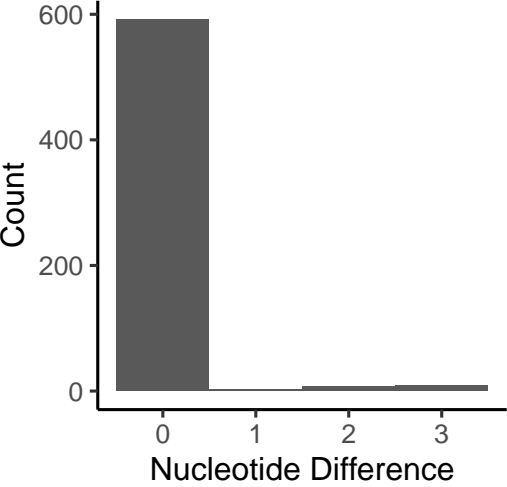
TRBV14\*ap01

1024 sequences assigned  
1019 (99.5%) exact matches, in which:  
1018 unique CDR3  
13 unique J



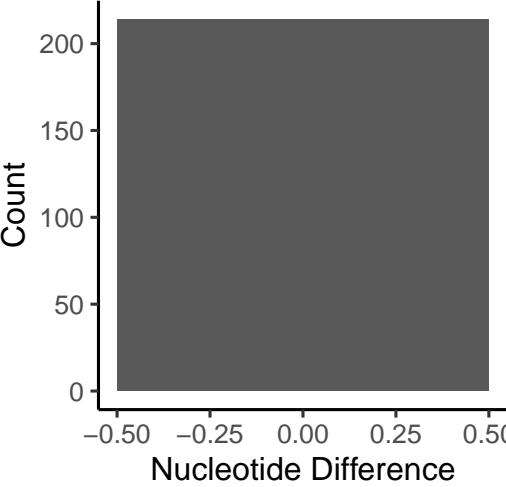
TRBV20–1\*ap02

610 sequences assigned  
592 (97%) exact matches, in which:  
588 unique CDR3  
13 unique J



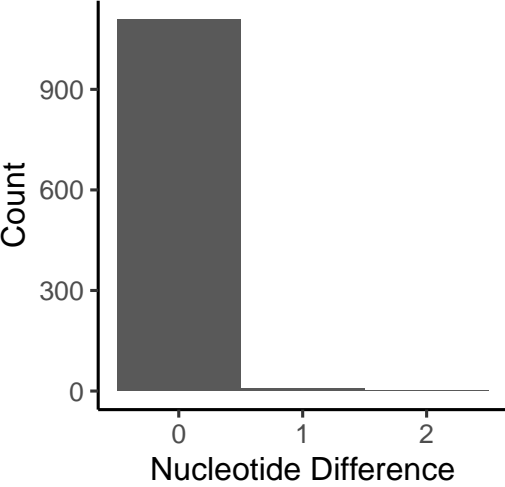
TRBV1\*ap01

214 sequences assigned  
214 (100%) exact matches, in which:  
213 unique CDR3  
13 unique J



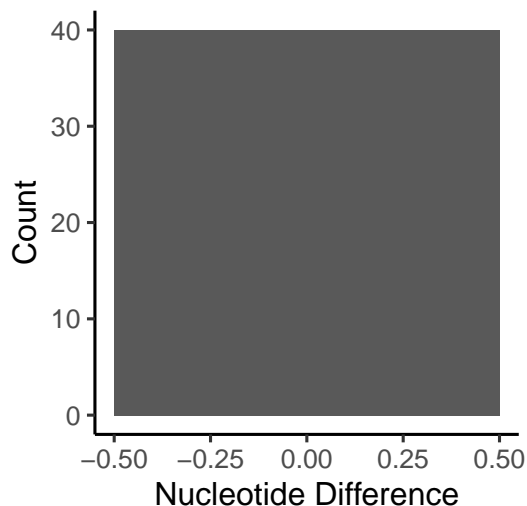
TRBV15\*ap02

1119 sequences assigned  
1109 (99.1%) exact matches, in which:  
1103 unique CDR3  
13 unique J



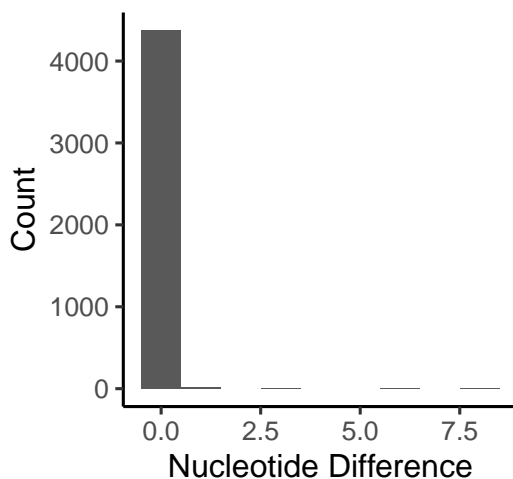
### TRBV16\*ap01

40 sequences assigned  
40 (100%) exact matches, in which:  
40 unique CDR3  
7 unique J



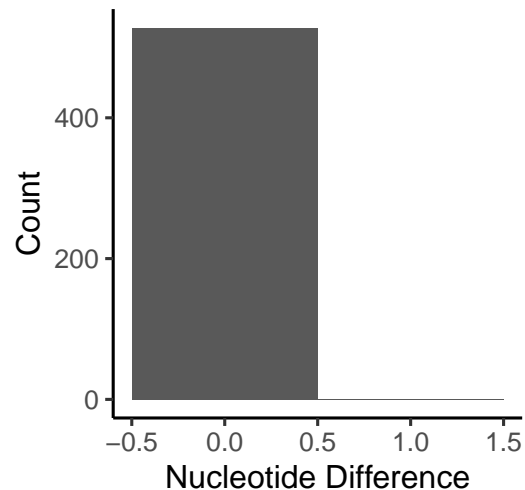
### TRBV19\*ap01

4398 sequences assigned  
4374 (99.5%) exact matches, in which:  
4362 unique CDR3  
13 unique J



### TRBV28\*ap01

529 sequences assigned  
528 (99.8%) exact matches, in which:  
526 unique CDR3  
13 unique J



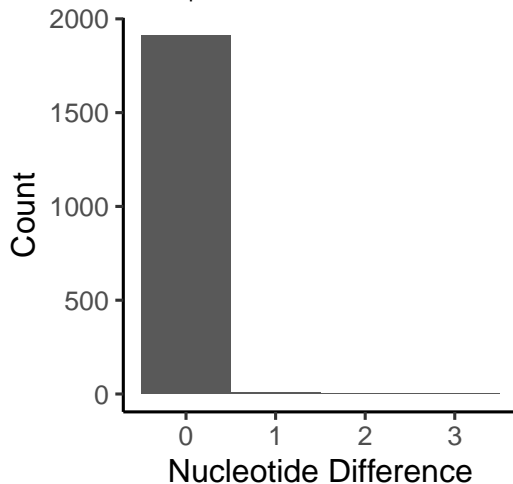
### TRBV17\*ap01

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



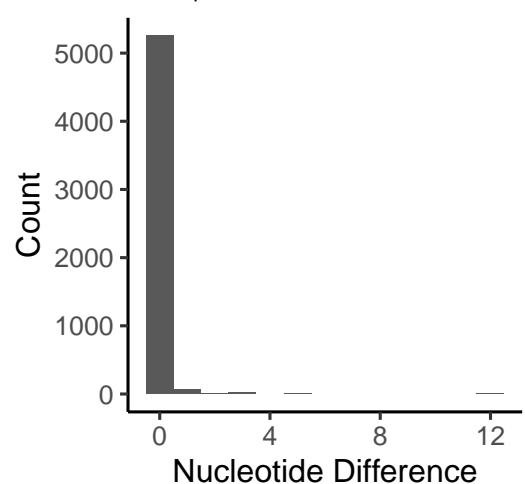
### TRBV2\*ap01

1922 sequences assigned  
1910 (99.4%) exact matches, in which:  
1901 unique CDR3  
13 unique J



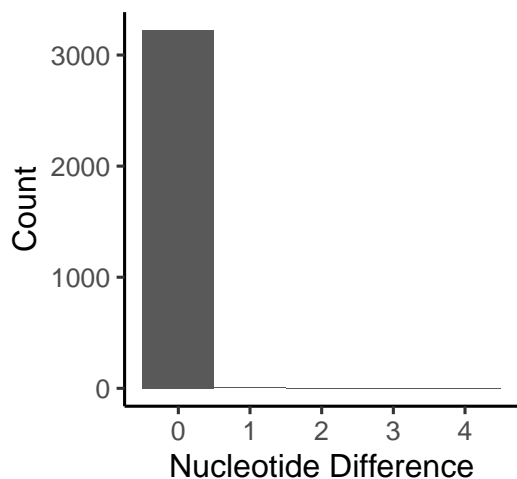
### TRBV30\*ap01

5353 sequences assigned  
5255 (98.2%) exact matches, in which:  
5159 unique CDR3  
13 unique J



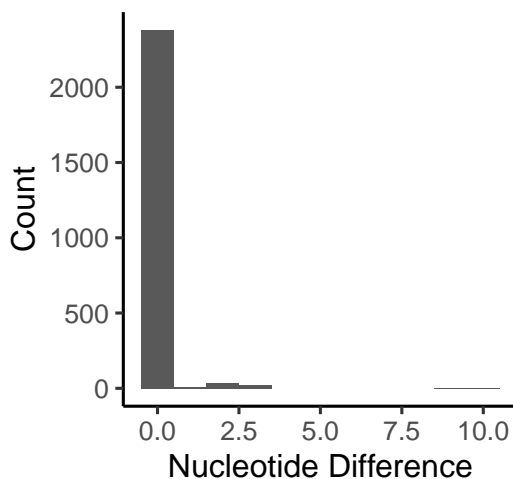
### TRBV18\*ap01

3238 sequences assigned  
3225 (99.6%) exact matches, in which:  
3201 unique CDR3  
13 unique J



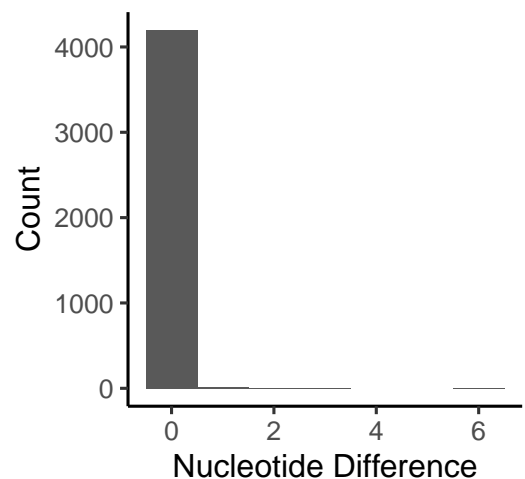
### TRBV27\*ap01

2451 sequences assigned  
2380 (97.1%) exact matches, in which:  
2371 unique CDR3  
13 unique J



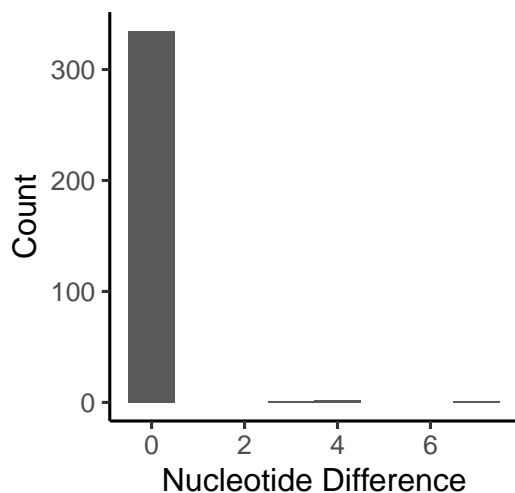
### TRBV9\*ap01

4222 sequences assigned  
4198 (99.4%) exact matches, in which:  
4176 unique CDR3  
13 unique J



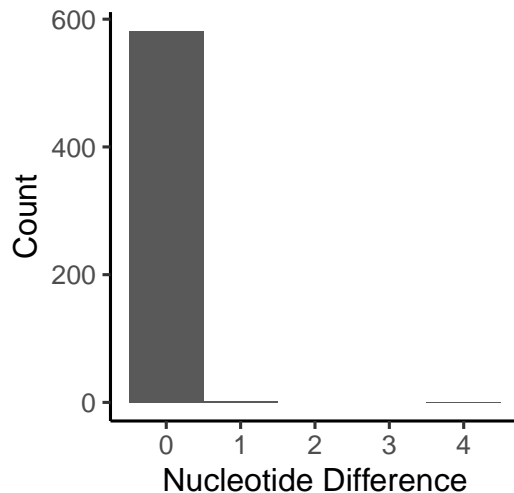
### TRBV21-1\*ap01

339 sequences assigned  
335 (98.8%) exact matches, in which:  
334 unique CDR3  
13 unique J



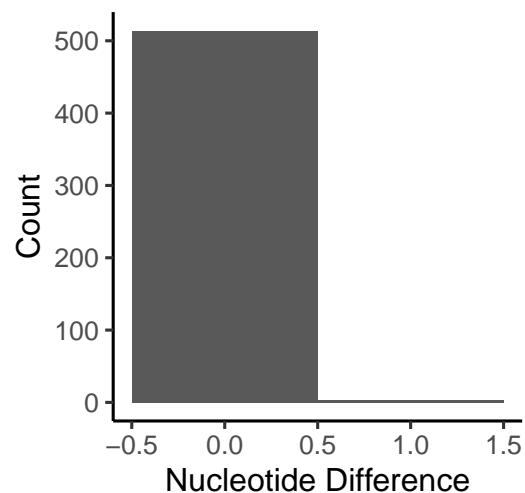
### TRBV11-3\*ap01

585 sequences assigned  
582 (99.5%) exact matches, in which:  
580 unique CDR3  
13 unique J



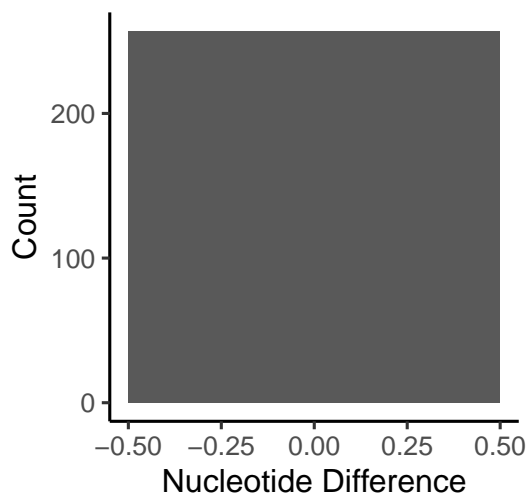
### TRBV12-5\*ap01

517 sequences assigned  
514 (99.4%) exact matches, in which:  
513 unique CDR3  
13 unique J



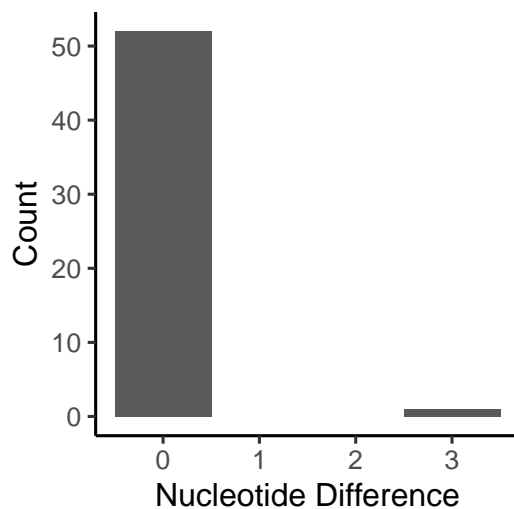
### TRBV11-1\*ap01

257 sequences assigned  
257 (100%) exact matches, in which:  
256 unique CDR3  
12 unique J



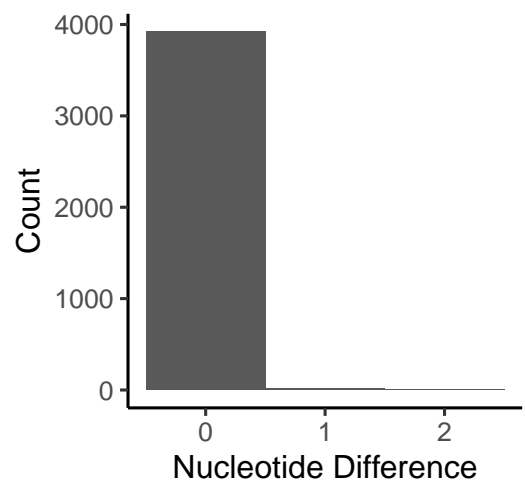
### TRBV12-1\*ap01

53 sequences assigned  
52 (98.1%) exact matches, in which:  
52 unique CDR3  
11 unique J



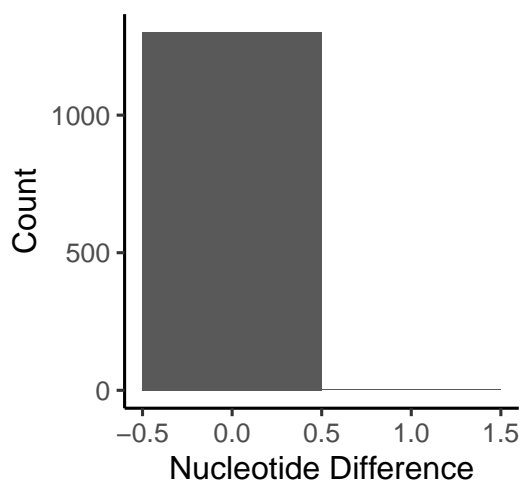
### TRBV12-34\*ap01

3944 sequences assigned  
3921 (99.4%) exact matches, in which:  
3903 unique CDR3  
13 unique J



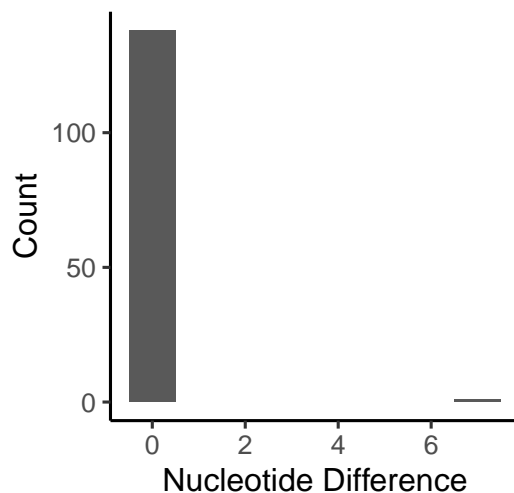
### TRBV11-2\*ap01

1305 sequences assigned  
1302 (99.8%) exact matches, in which:  
1292 unique CDR3  
13 unique J



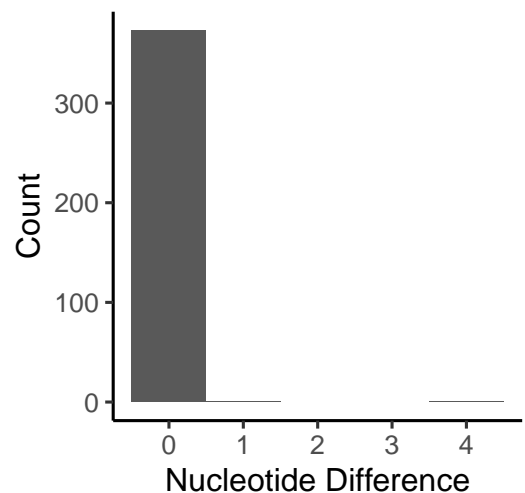
### TRBV12-2\*ap01

139 sequences assigned  
138 (99.3%) exact matches, in which:  
138 unique CDR3  
13 unique J



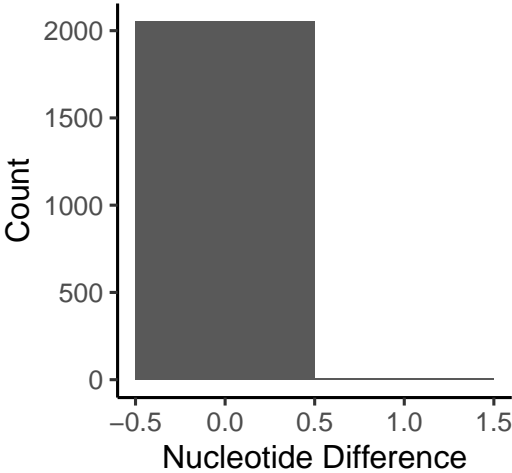
### TRBV23-1\*ap01

375 sequences assigned  
373 (99.5%) exact matches, in which:  
373 unique CDR3  
13 unique J



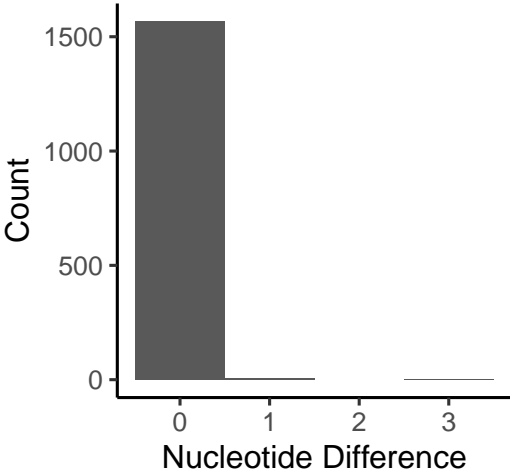
TRBV3-12\*ap01

2060 sequences assigned  
2053 (99.7%) exact matches, in which:  
2052 unique CDR3  
13 unique J



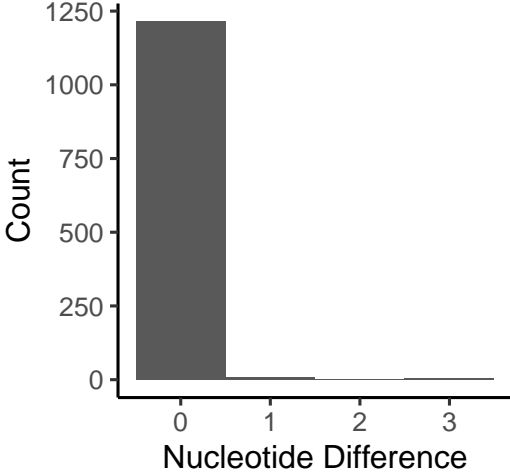
TRBV4-2\*ap01

1576 sequences assigned  
1567 (99.4%) exact matches, in which:  
1550 unique CDR3  
13 unique J



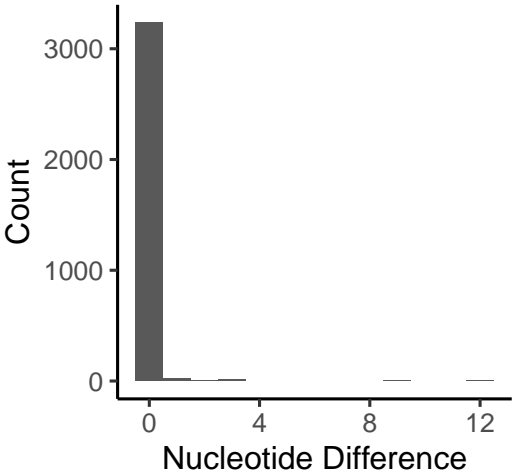
TRBV25-1\*ap01

1231 sequences assigned  
1215 (98.7%) exact matches, in which:  
1204 unique CDR3  
13 unique J



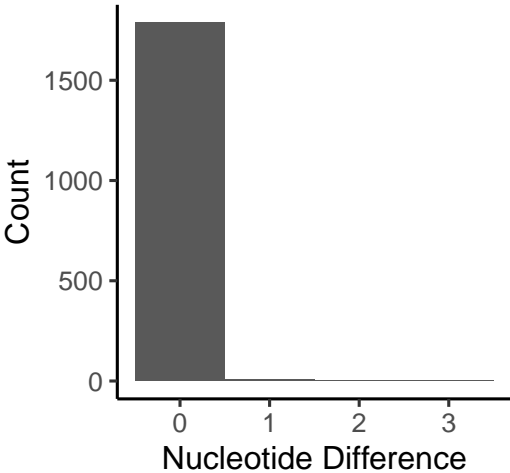
TRBV4-1\*ap01

3272 sequences assigned  
3235 (98.9%) exact matches, in which:  
3197 unique CDR3  
13 unique J



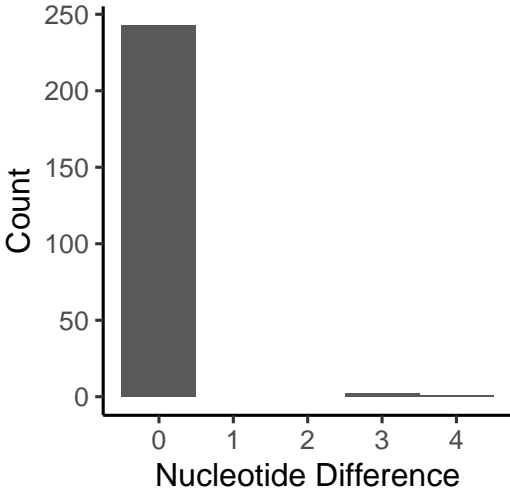
TRBV4-3\*ap01

1802 sequences assigned  
1787 (99.2%) exact matches, in which:  
1763 unique CDR3  
13 unique J



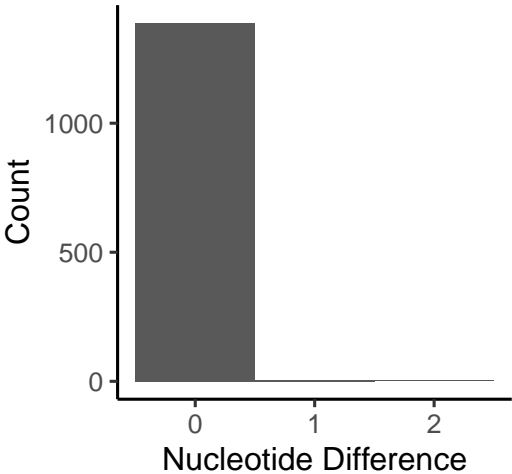
TRBV5-3\*ap01

246 sequences assigned  
243 (98.8%) exact matches, in which:  
242 unique CDR3  
13 unique J



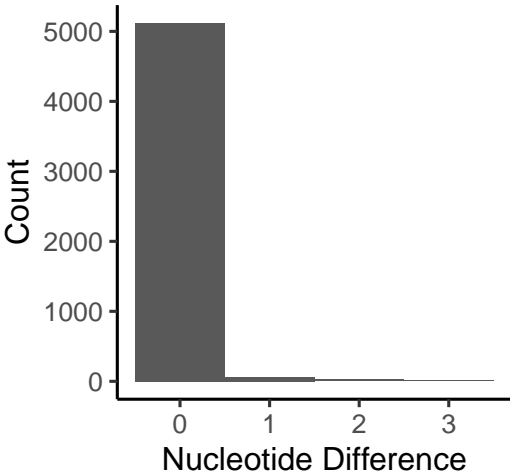
TRBV24-1\*ap01

1397 sequences assigned  
1388 (99.4%) exact matches, in which:  
1385 unique CDR3  
13 unique J



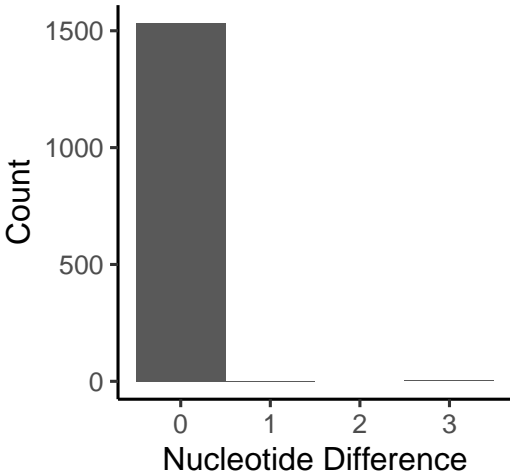
TRBV5-1\*ap01

5218 sequences assigned  
5119 (98.1%) exact matches, in which:  
5079 unique CDR3  
13 unique J



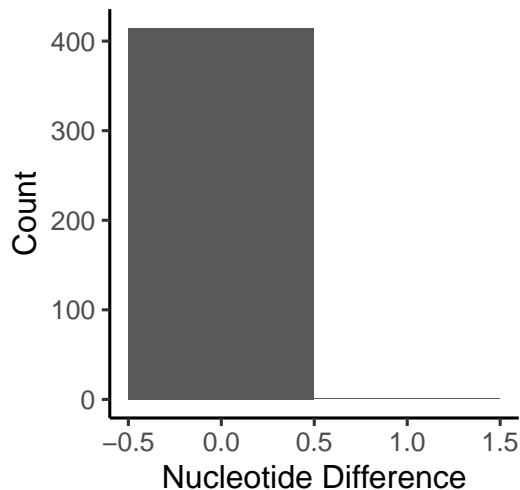
TRBV5-4\*ap01

1538 sequences assigned  
1533 (99.7%) exact matches, in which:  
1524 unique CDR3  
13 unique J



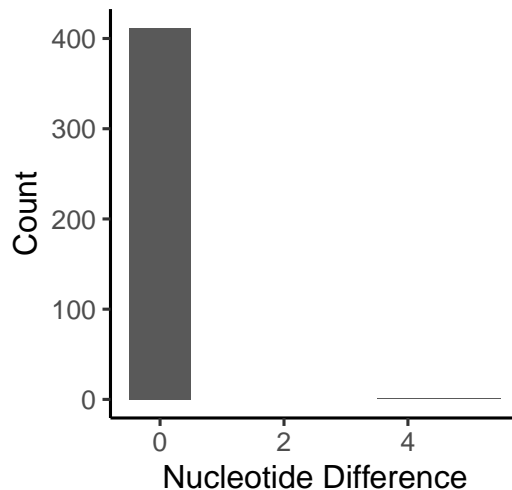
### TRBV5-5\*ap01

416 sequences assigned  
415 (99.8%) exact matches, in which:  
414 unique CDR3  
13 unique J



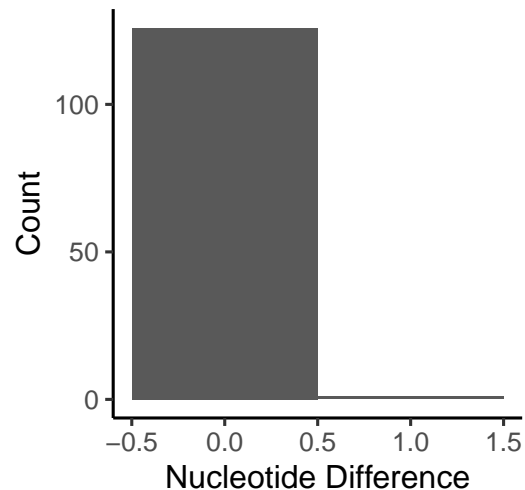
### TRBV5-8\*ap01

414 sequences assigned  
412 (99.5%) exact matches, in which:  
411 unique CDR3  
13 unique J



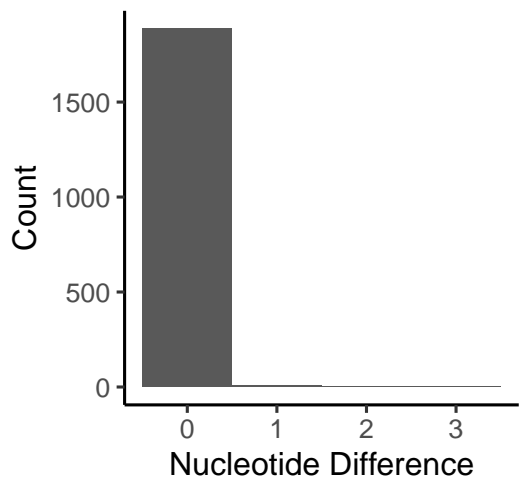
### TRBV6-7\*ap01

127 sequences assigned  
126 (99.2%) exact matches, in which:  
125 unique CDR3  
12 unique J



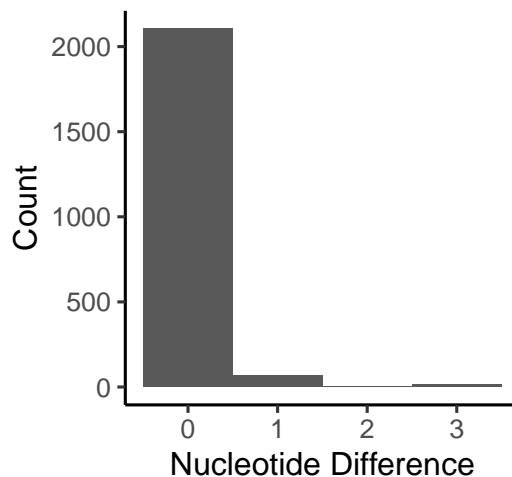
### TRBV5-6\*ap01

1898 sequences assigned  
1886 (99.4%) exact matches, in which:  
1873 unique CDR3  
13 unique J



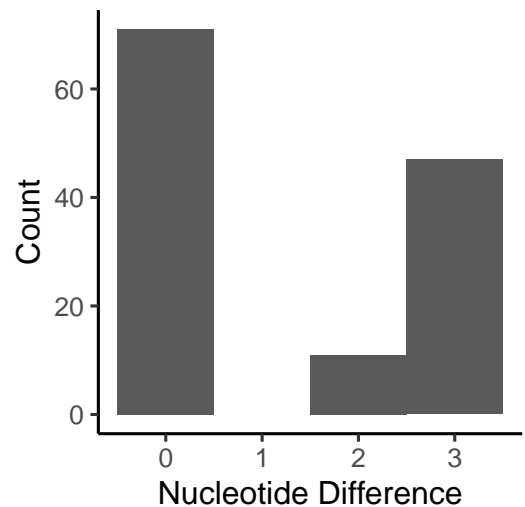
### TRBV6-1\*ap01

2190 sequences assigned  
2105 (96.1%) exact matches, in which:  
2088 unique CDR3  
14 unique J



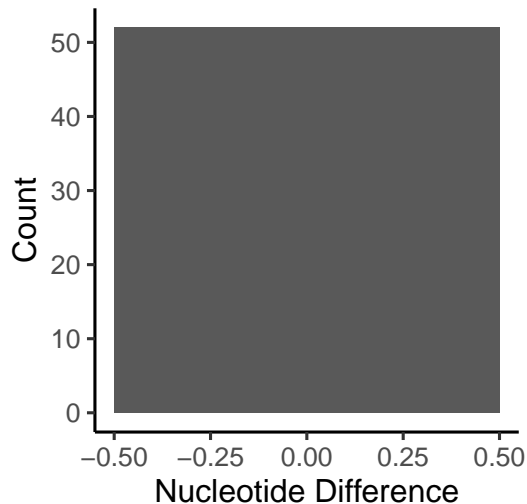
### TRBV6-8\*ap01

129 sequences assigned  
71 (55%) exact matches, in which:  
71 unique CDR3  
11 unique J



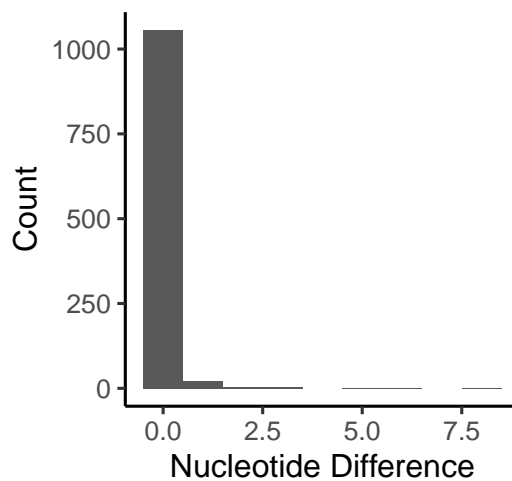
### TRBV5-7\*ap01

52 sequences assigned  
52 (100%) exact matches, in which:  
51 unique CDR3  
12 unique J



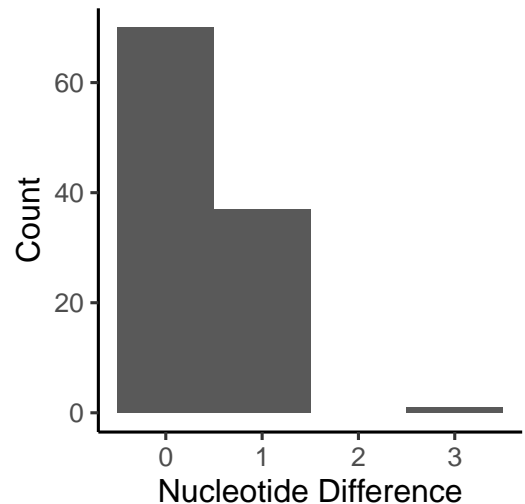
### TRBV6-4\*ap01

1089 sequences assigned  
1056 (97%) exact matches, in which:  
1044 unique CDR3  
13 unique J



### TRBV6-9\*ap01

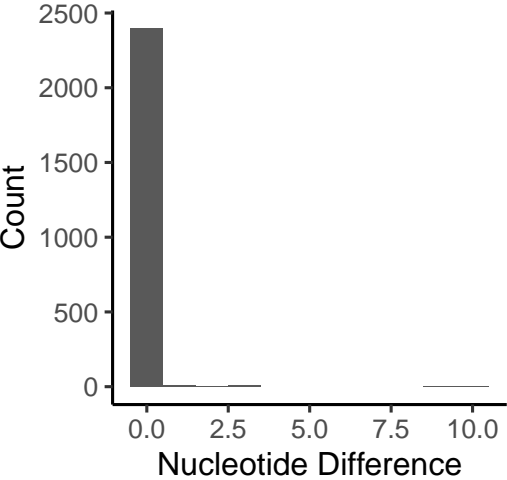
108 sequences assigned  
70 (64.8%) exact matches, in which:  
69 unique CDR3  
13 unique J





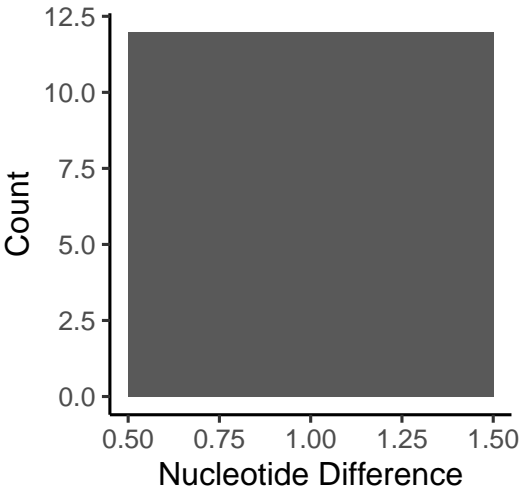
TRBV6-23\*ap01

2428 sequences assigned  
2397 (98.7%) exact matches, in which:  
2380 unique CDR3  
13 unique J



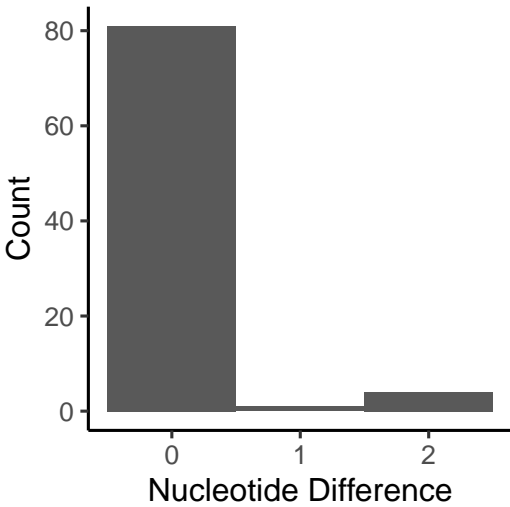
TRBV7-1\*ap01\_T296C

12 sequences assigned  
No exact matches.



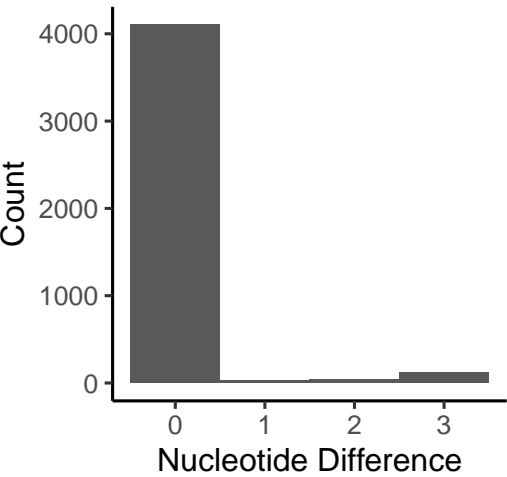
TRBV7-4\*ap01

86 sequences assigned  
81 (94.2%) exact matches, in which:  
80 unique CDR3  
12 unique J



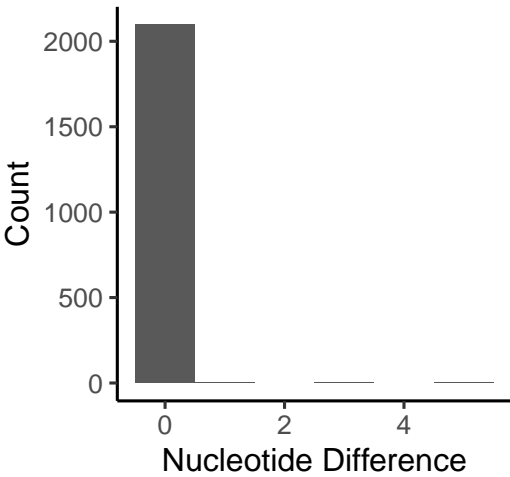
TRBV6-56\*ap01

4298 sequences assigned  
4104 (95.5%) exact matches, in which:  
4056 unique CDR3  
13 unique J



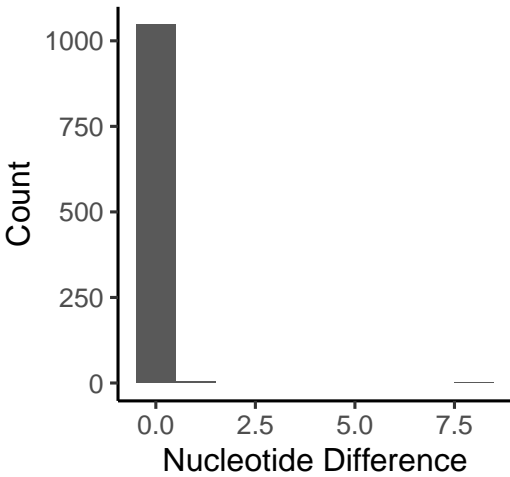
TRBV7-2\*ap01

2102 sequences assigned  
2097 (99.8%) exact matches, in which:  
2086 unique CDR3  
13 unique J



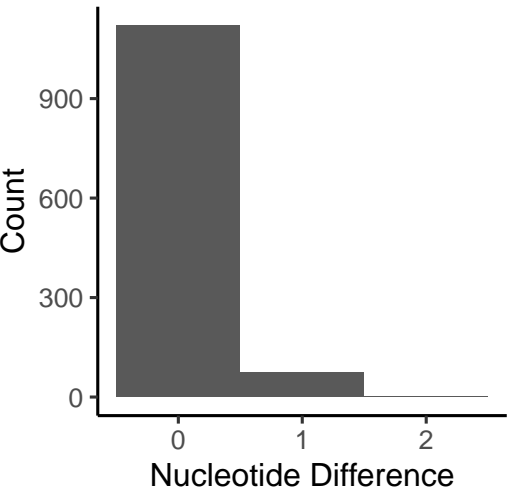
TRBV7-6\*ap01

1051 sequences assigned  
1047 (99.6%) exact matches, in which:  
1042 unique CDR3  
13 unique J



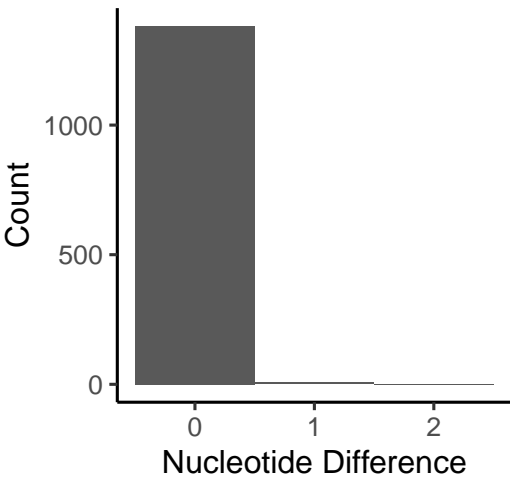
TRBV6-56\*ap02

1198 sequences assigned  
1121 (93.6%) exact matches, in which:  
1111 unique CDR3  
13 unique J



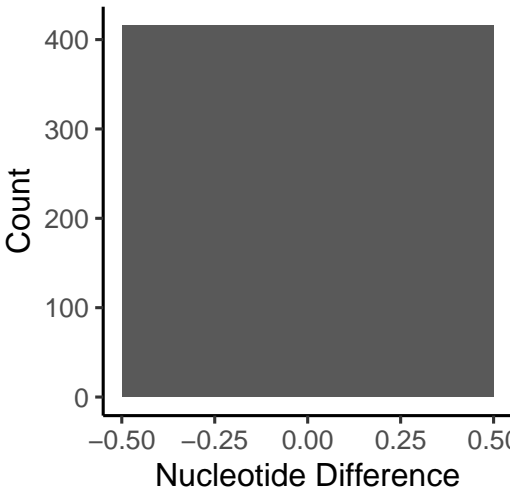
TRBV7-3\*ap01

1390 sequences assigned  
1382 (99.4%) exact matches, in which:  
1379 unique CDR3  
13 unique J



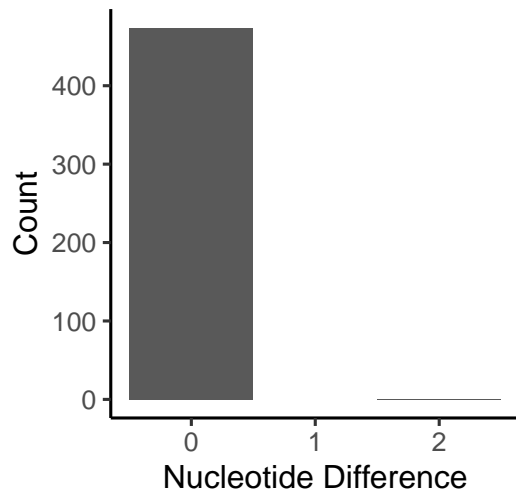
TRBV7-7\*ap01\_C315T

416 sequences assigned  
416 (100%) exact matches, in which:  
413 unique CDR3  
13 unique J



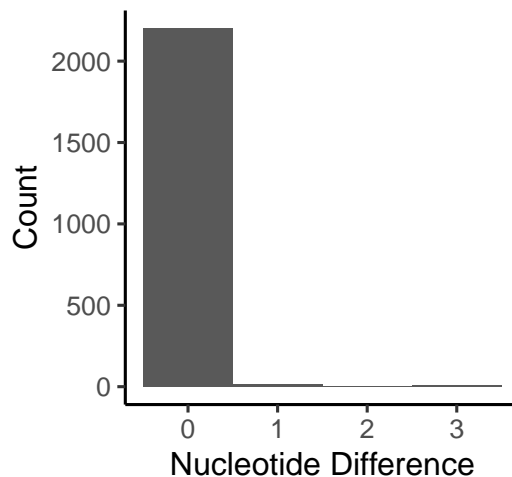
### TRBV7-8\*ap01

475 sequences assigned  
474 (99.8%) exact matches, in which:  
473 unique CDR3  
13 unique J



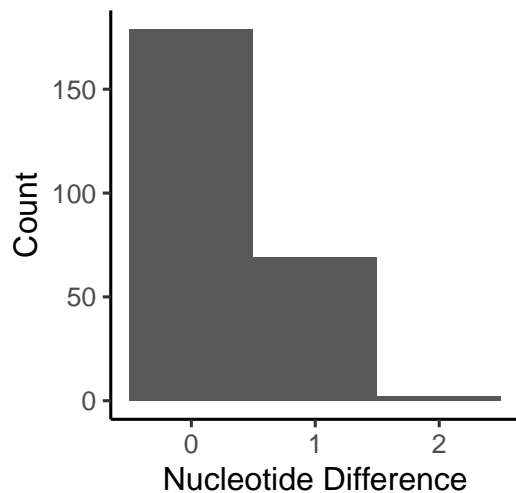
### TRBV29-1\*ap01

2230 sequences assigned  
2201 (98.7%) exact matches, in which:  
2171 unique CDR3  
13 unique J



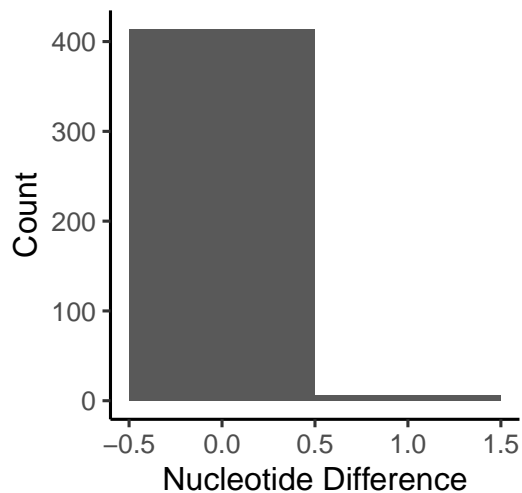
### TRBV7-8\*ap03

250 sequences assigned  
179 (71.6%) exact matches, in which:  
178 unique CDR3  
13 unique J



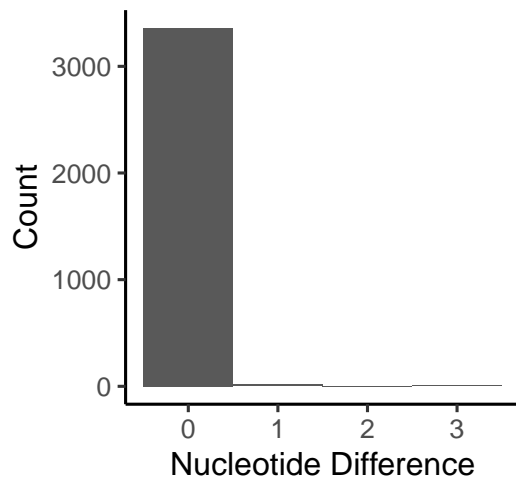
### TRBV29-1\*ap02

420 sequences assigned  
414 (98.6%) exact matches, in which:  
407 unique CDR3  
13 unique J

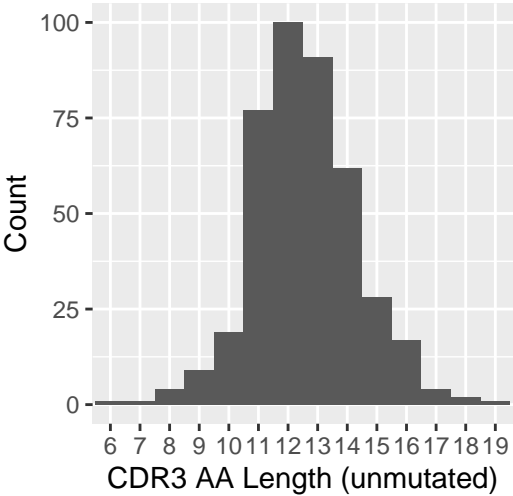


### TRBV7-9\*ap01

3388 sequences assigned  
3359 (99.1%) exact matches, in which:  
3350 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T





[illegible]