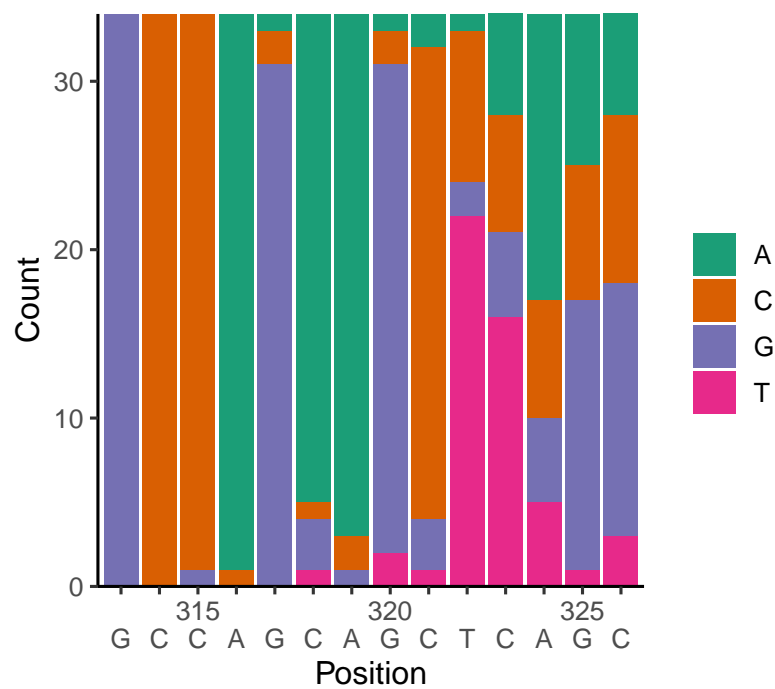
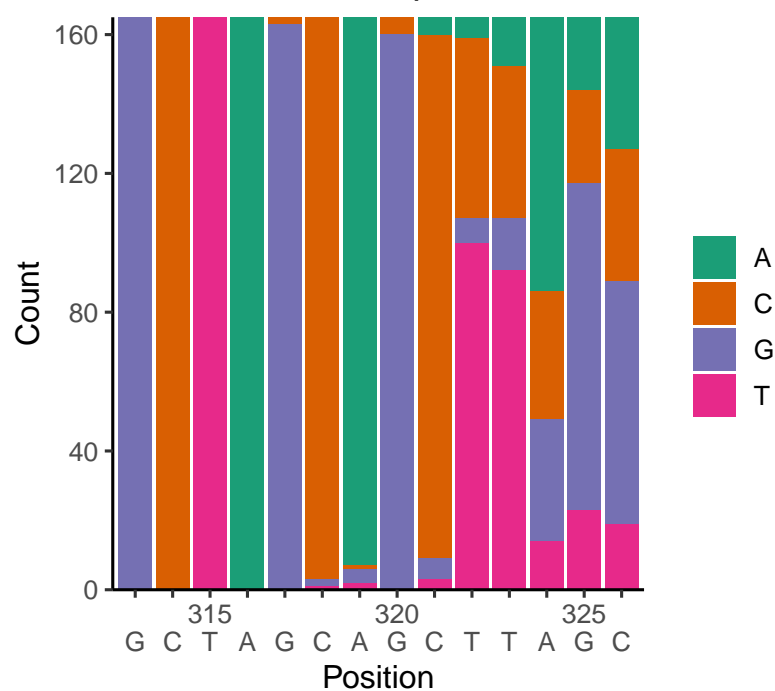


Gene TRBV7-1\*ap01\_G291C\_T296C



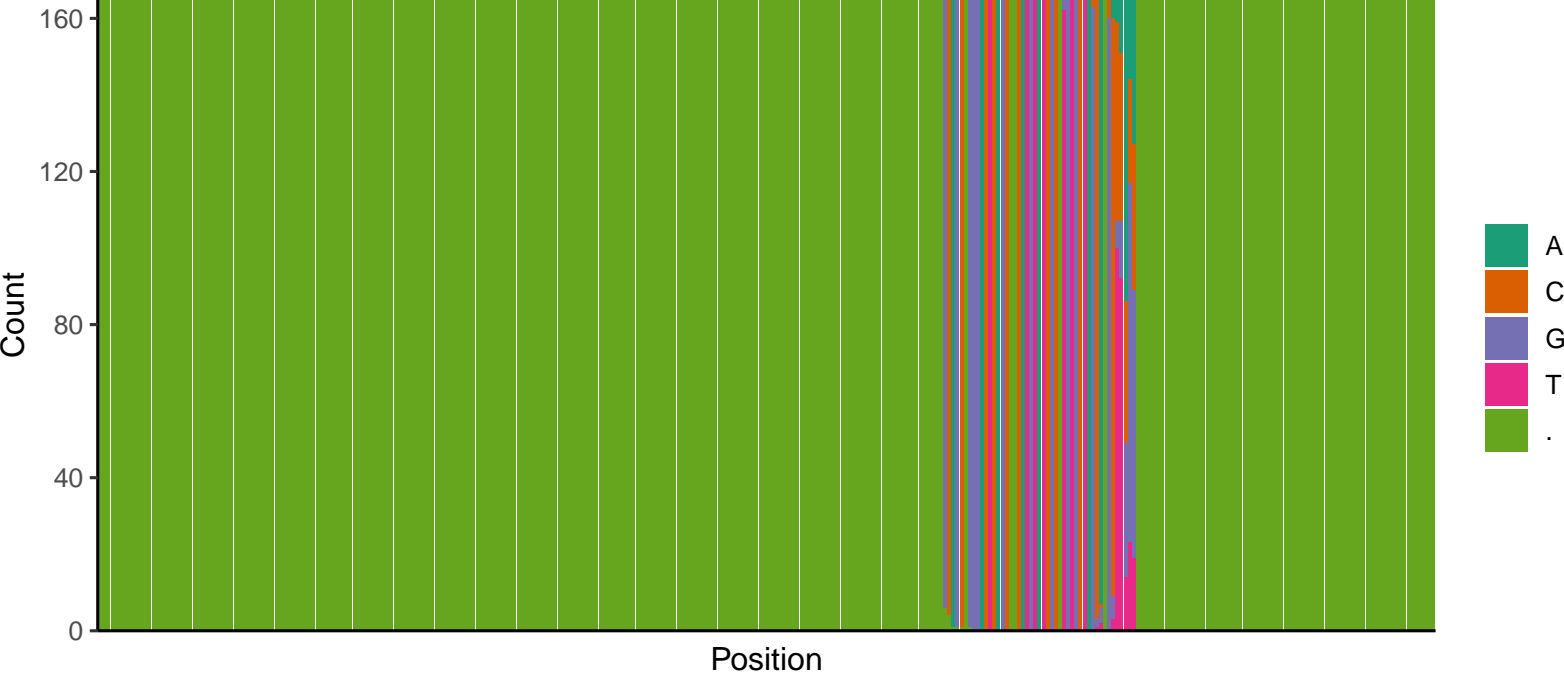
Gene TRBV7-7\*ap01\_C315T



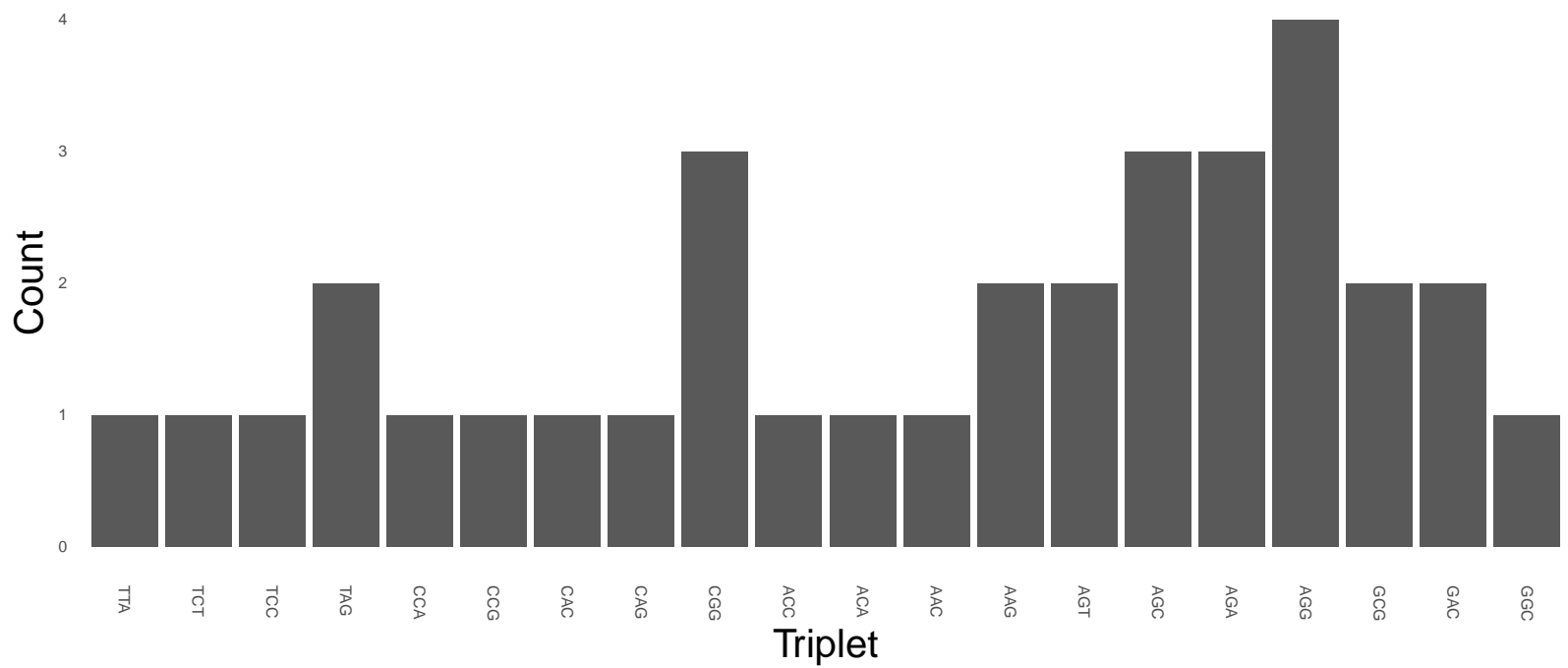
Gene TRBV7-1\*ap01\_G291C\_T296C



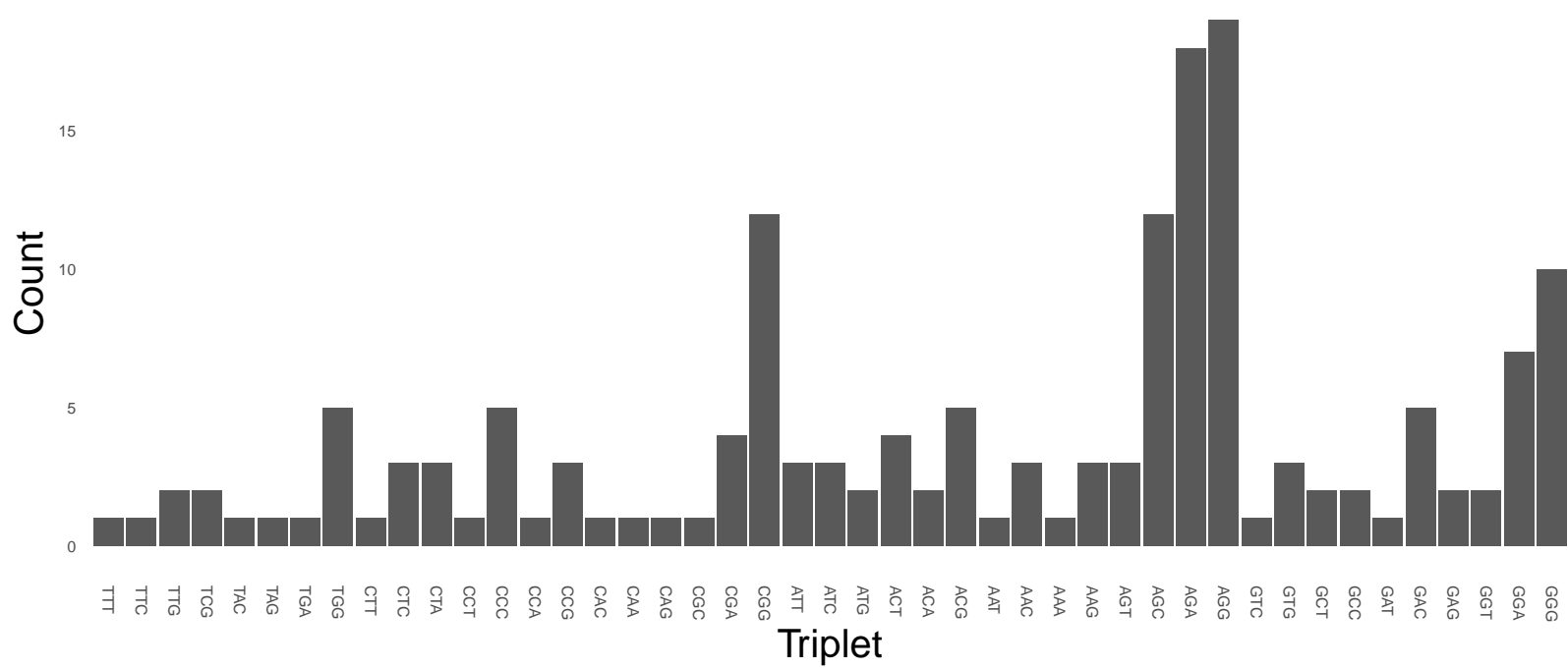
Gene TRBV7-7\*ap01\_C315T



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

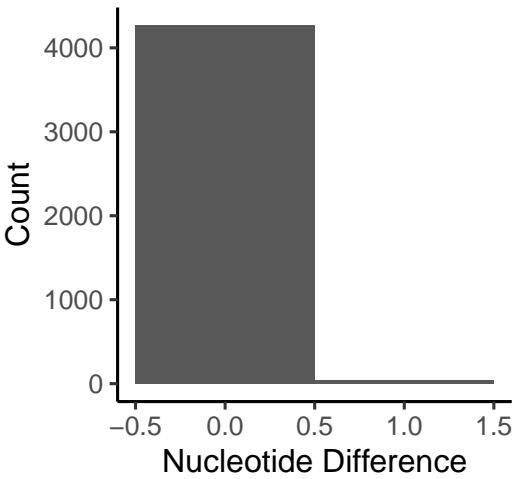


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



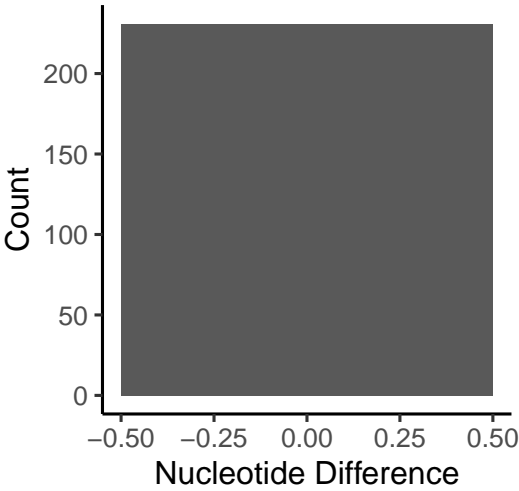
TRBV20–1\*ap01

4307 sequences assigned  
4267 (99.1%) exact matches, in which:  
4196 unique CDR3  
13 unique J



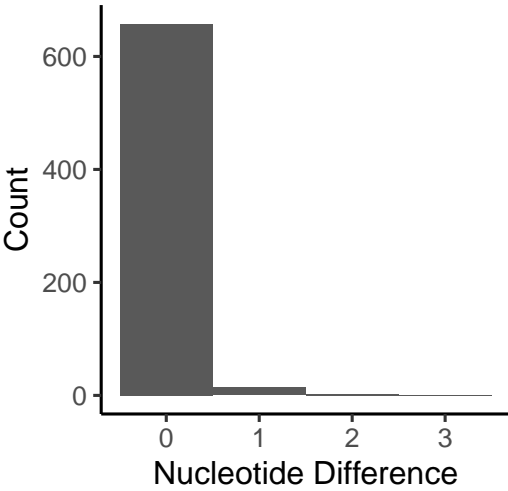
TRBV10–2\*ap01

231 sequences assigned  
231 (100%) exact matches, in which:  
230 unique CDR3  
13 unique J



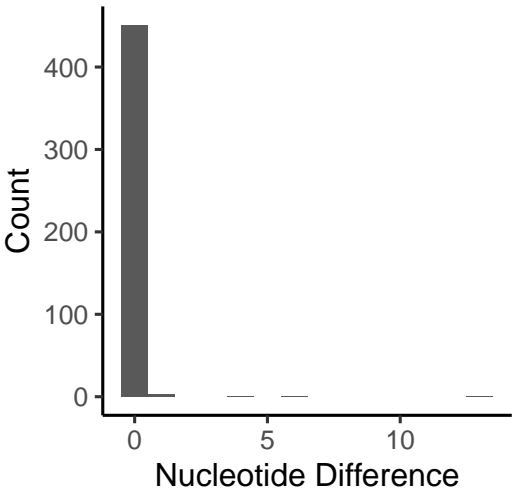
TRBV13\*ap01

676 sequences assigned  
658 (97.3%) exact matches, in which:  
654 unique CDR3  
13 unique J



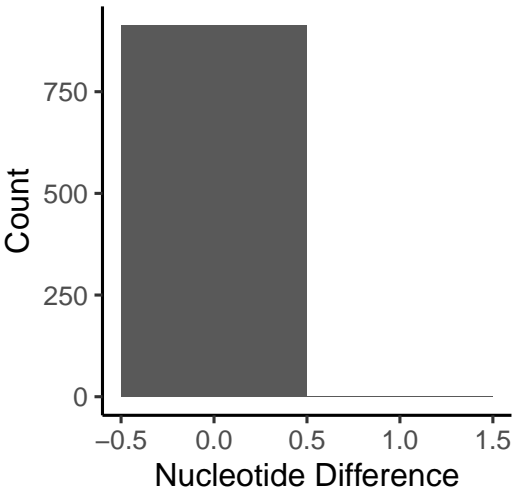
TRBV10–1\*ap01

457 sequences assigned  
451 (98.7%) exact matches, in which:  
448 unique CDR3  
12 unique J



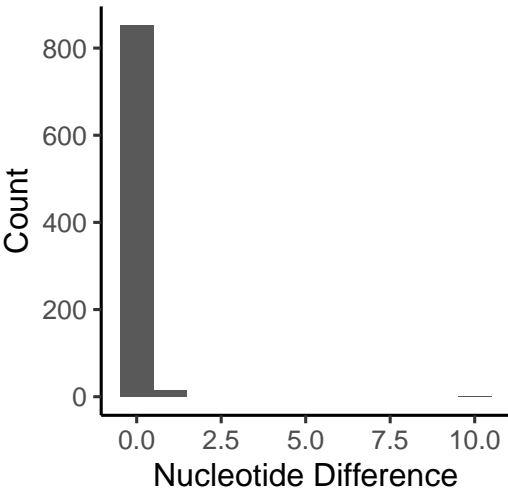
TRBV10–3\*ap01

915 sequences assigned  
914 (99.9%) exact matches, in which:  
909 unique CDR3  
13 unique J



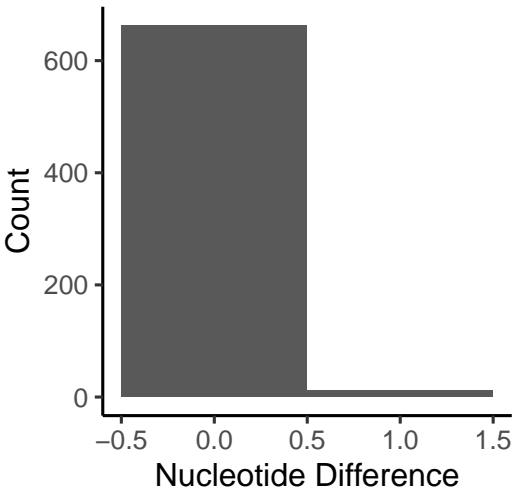
TRBV14\*ap01

871 sequences assigned  
853 (97.9%) exact matches, in which:  
846 unique CDR3  
13 unique J



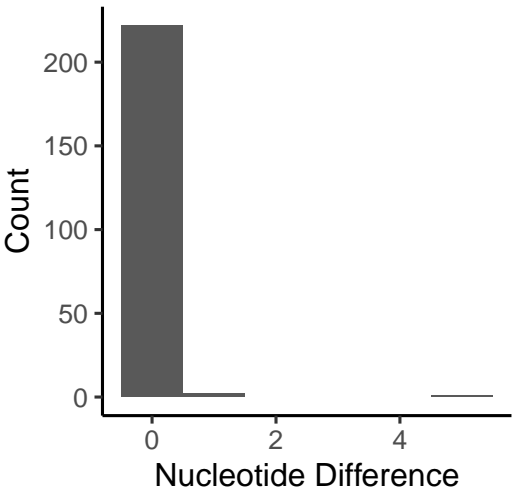
TRBV20–1\*ap02

674 sequences assigned  
663 (98.4%) exact matches, in which:  
649 unique CDR3  
13 unique J



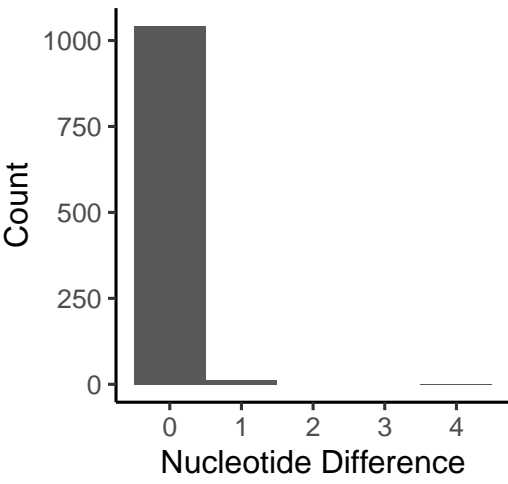
TRBV1\*ap01

225 sequences assigned  
222 (98.7%) exact matches, in which:  
220 unique CDR3  
12 unique J



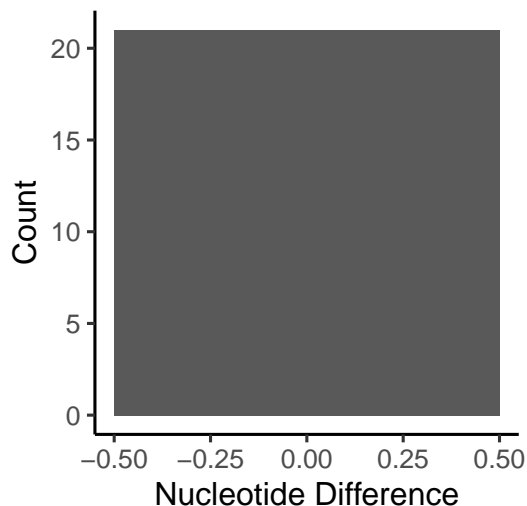
TRBV15\*ap02

1056 sequences assigned  
1042 (98.7%) exact matches, in which:  
1035 unique CDR3  
13 unique J



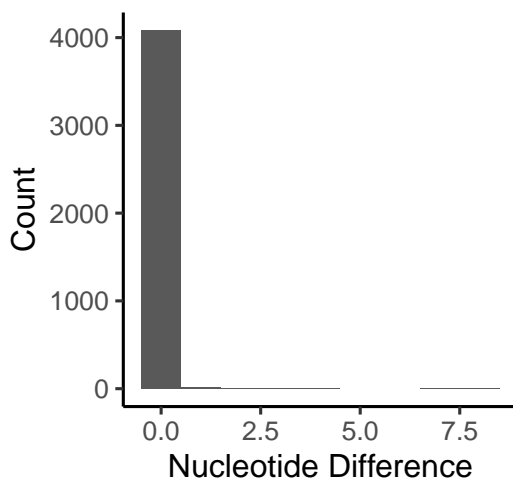
### TRBV16\*ap01

21 sequences assigned  
21 (100%) exact matches, in which:  
21 unique CDR3  
9 unique J



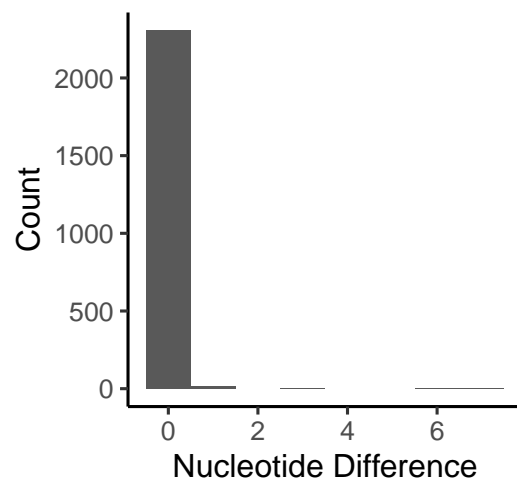
### TRBV19\*ap01

4116 sequences assigned  
4082 (99.2%) exact matches, in which:  
4060 unique CDR3  
13 unique J



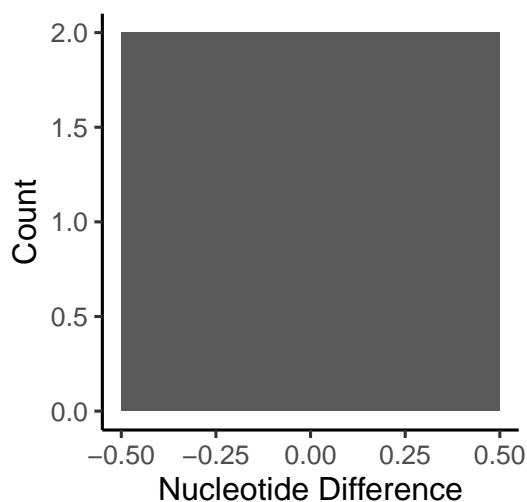
### TRBV27\*ap01

2323 sequences assigned  
2306 (99.3%) exact matches, in which:  
2297 unique CDR3  
13 unique J



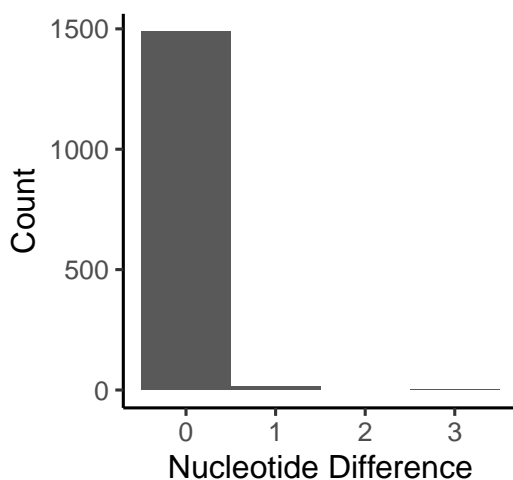
### TRBV17\*ap01

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



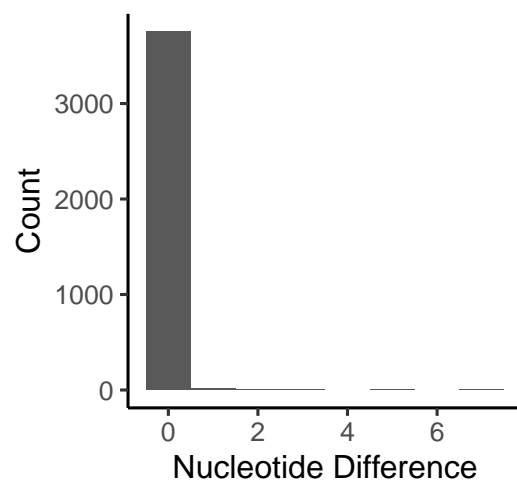
### TRBV2\*ap01

1504 sequences assigned  
1488 (98.9%) exact matches, in which:  
1482 unique CDR3  
13 unique J



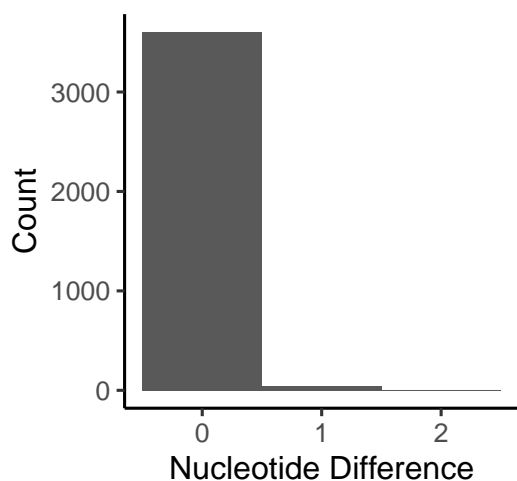
### TRBV28\*ap01

3768 sequences assigned  
3752 (99.6%) exact matches, in which:  
3738 unique CDR3  
13 unique J



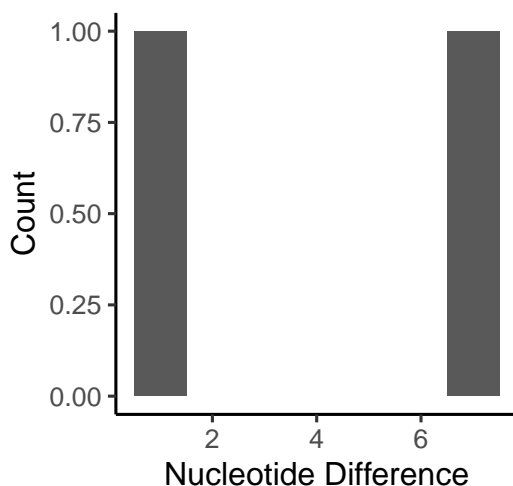
### TRBV18\*ap01

3648 sequences assigned  
3603 (98.8%) exact matches, in which:  
3551 unique CDR3  
13 unique J



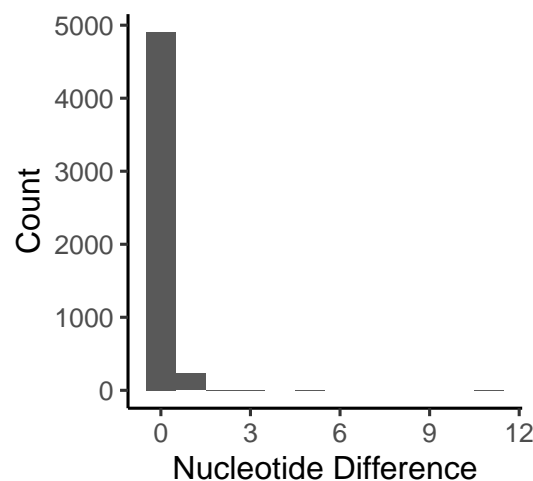
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



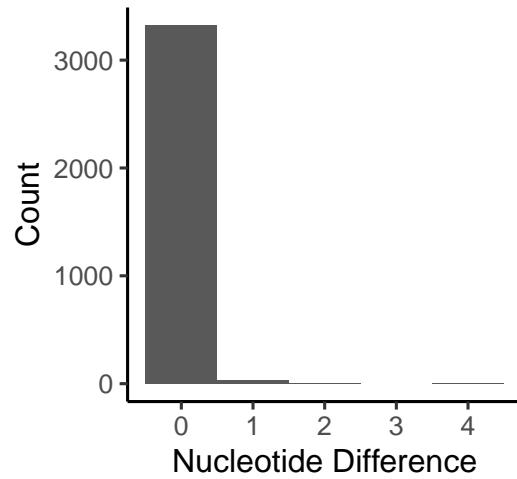
### TRBV30\*ap01

5146 sequences assigned  
4906 (95.3%) exact matches, in which:  
4696 unique CDR3  
13 unique J



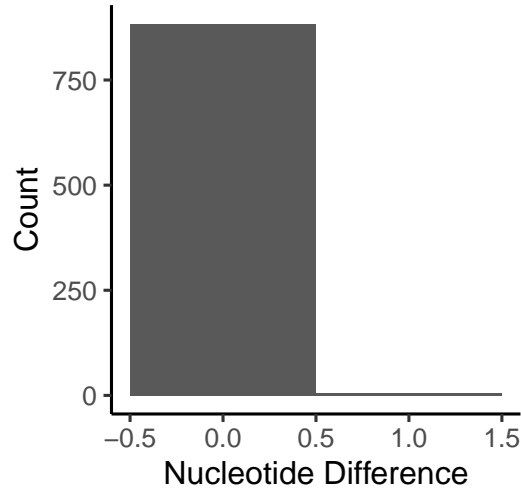
### TRBV9\*ap01

3356 sequences assigned  
3322 (99%) exact matches, in which:  
3292 unique CDR3  
13 unique J



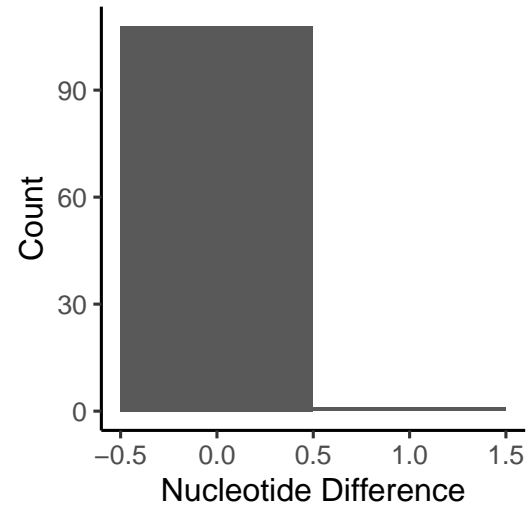
### TRBV11-2\*ap01

889 sequences assigned  
884 (99.4%) exact matches, in which:  
880 unique CDR3  
13 unique J



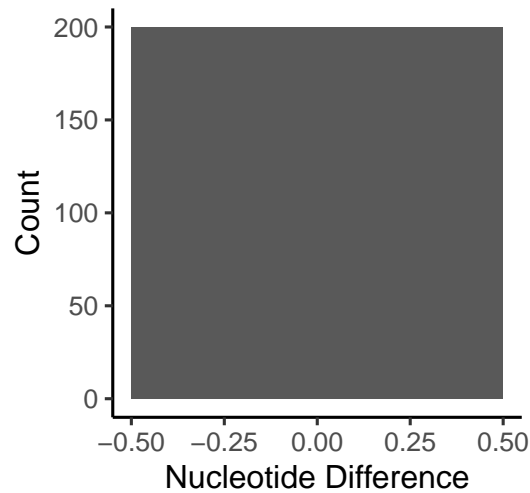
### TRBV12-2\*ap01

109 sequences assigned  
108 (99.1%) exact matches, in which:  
107 unique CDR3  
12 unique J



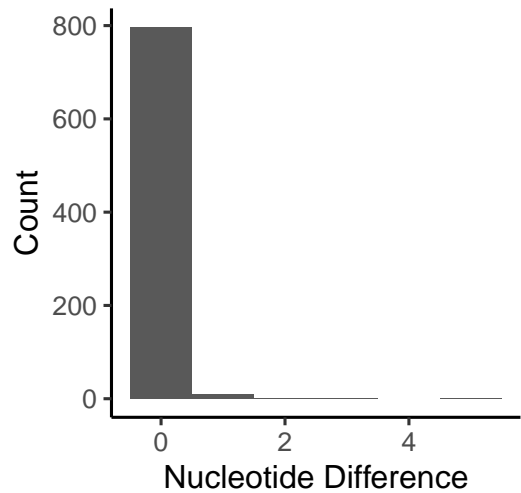
### TRBV11-1\*ap01

200 sequences assigned  
200 (100%) exact matches, in which:  
198 unique CDR3  
12 unique J



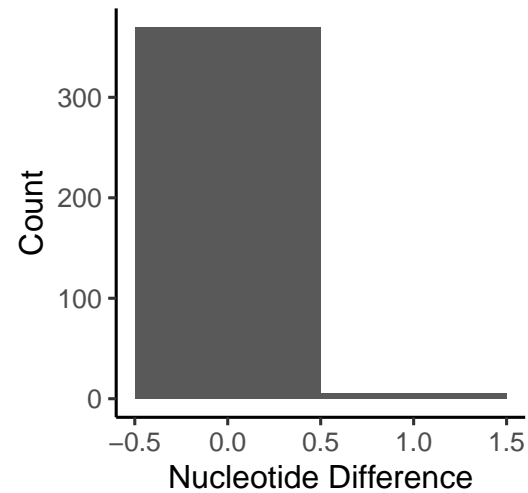
### TRBV11-3\*ap01

811 sequences assigned  
797 (98.3%) exact matches, in which:  
794 unique CDR3  
13 unique J



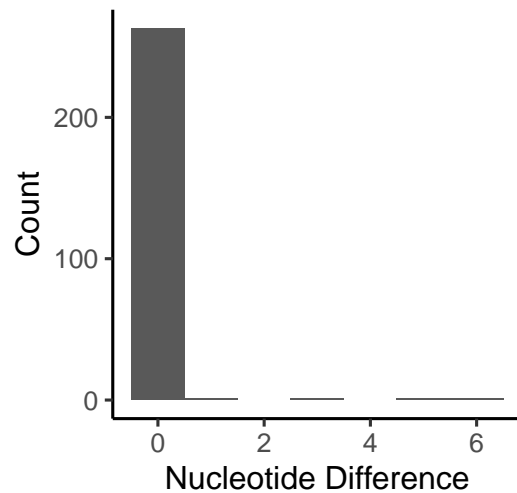
### TRBV12-5\*ap01

375 sequences assigned  
370 (98.7%) exact matches, in which:  
368 unique CDR3  
12 unique J



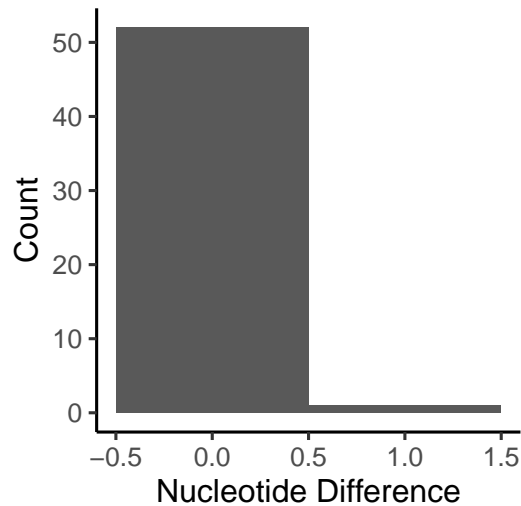
### TRBV21-1\*ap01

267 sequences assigned  
263 (98.5%) exact matches, in which:  
263 unique CDR3  
12 unique J



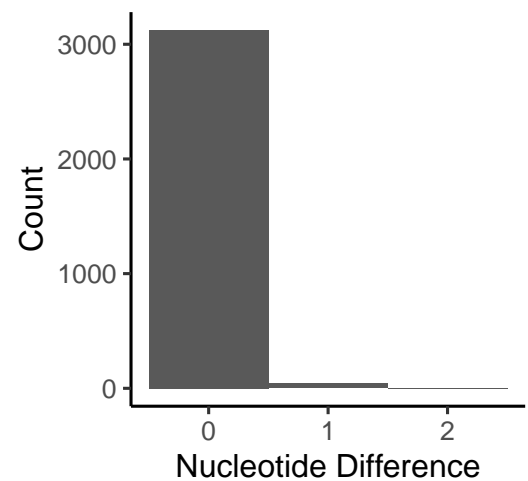
### TRBV12-1\*ap01

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



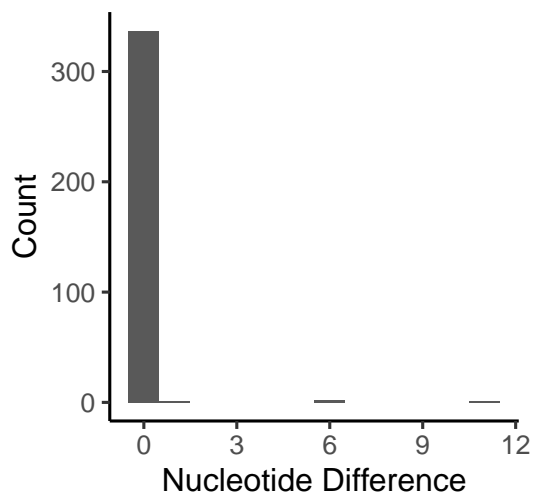
### TRBV12-34\*ap01

3169 sequences assigned  
3124 (98.6%) exact matches, in which:  
3102 unique CDR3  
13 unique J



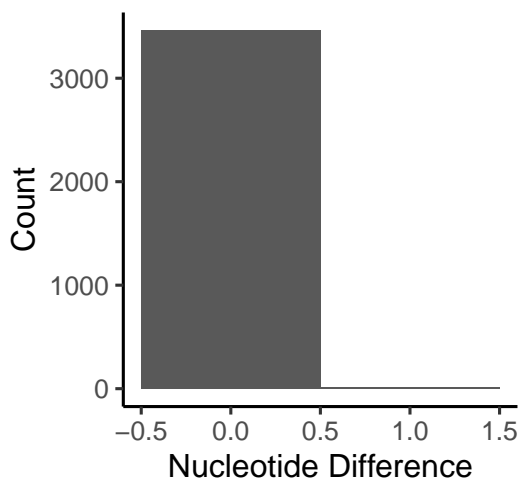
### TRBV23-1\*ap01

341 sequences assigned  
337 (98.8%) exact matches, in which:  
336 unique CDR3  
13 unique J



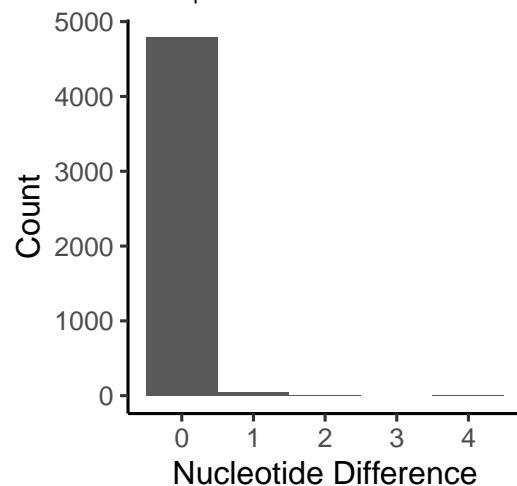
### TRBV4-1\*ap01

3476 sequences assigned  
3462 (99.6%) exact matches, in which:  
3423 unique CDR3  
13 unique J



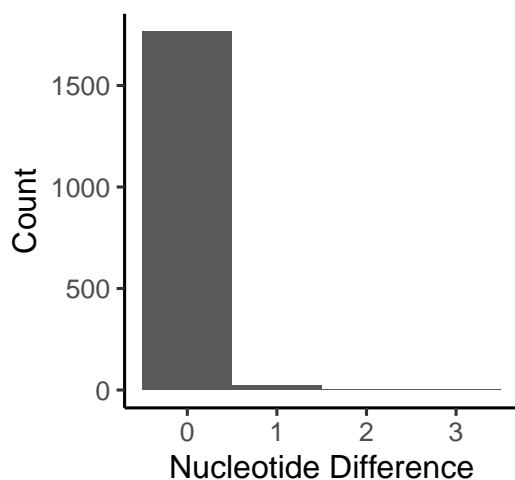
### TRBV5-1\*ap01

4836 sequences assigned  
4789 (99%) exact matches, in which:  
4741 unique CDR3  
13 unique J



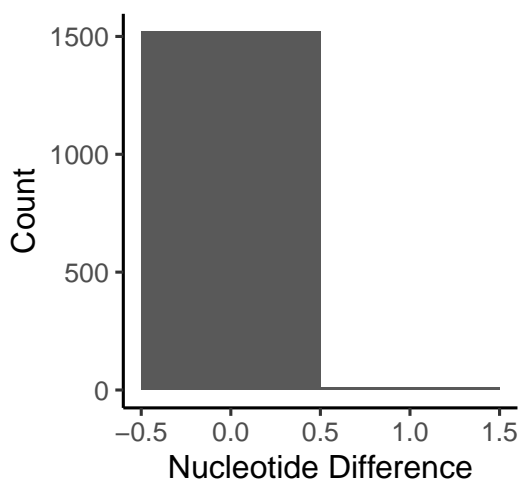
### TRBV3-12\*ap01

1787 sequences assigned  
1765 (98.8%) exact matches, in which:  
1757 unique CDR3  
13 unique J



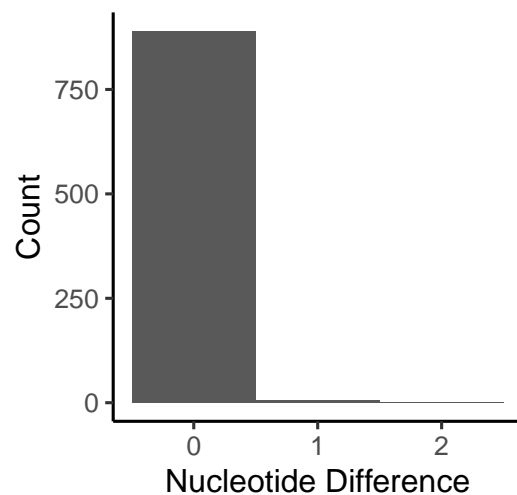
### TRBV4-2\*ap01

1532 sequences assigned  
1520 (99.2%) exact matches, in which:  
1505 unique CDR3  
13 unique J



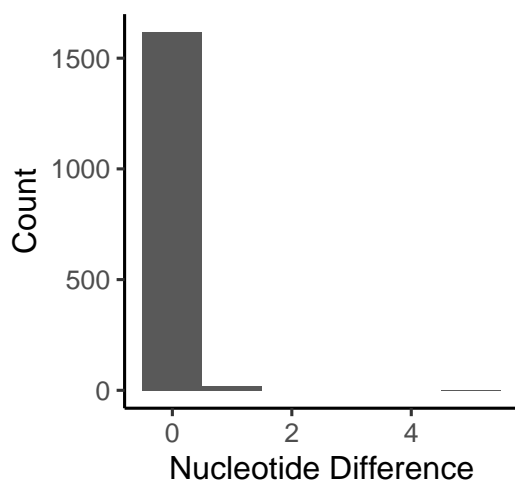
### TRBV25-1\*ap01

898 sequences assigned  
890 (99.1%) exact matches, in which:  
883 unique CDR3  
13 unique J



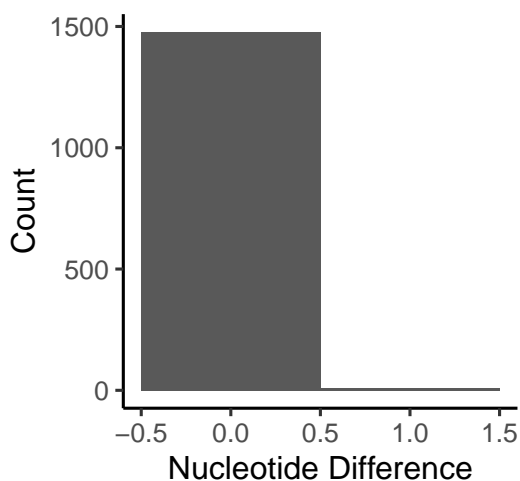
### TRBV24-1\*ap01

1638 sequences assigned  
1618 (98.8%) exact matches, in which:  
1610 unique CDR3  
13 unique J



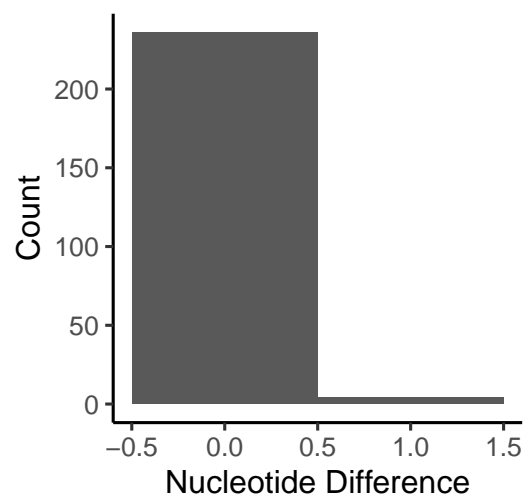
### TRBV4-3\*ap01

1487 sequences assigned  
1477 (99.3%) exact matches, in which:  
1459 unique CDR3  
13 unique J



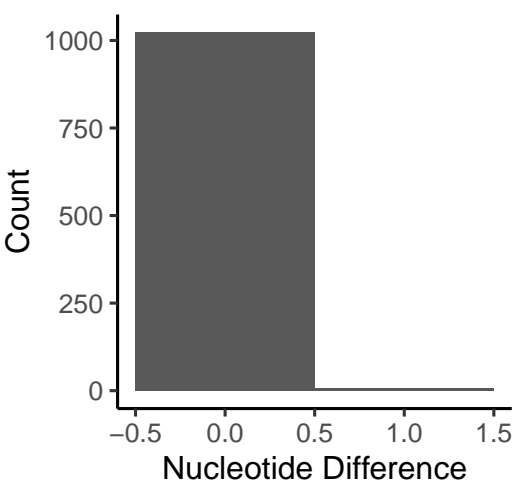
### TRBV5-3\*ap01

240 sequences assigned  
236 (98.3%) exact matches, in which:  
235 unique CDR3  
13 unique J



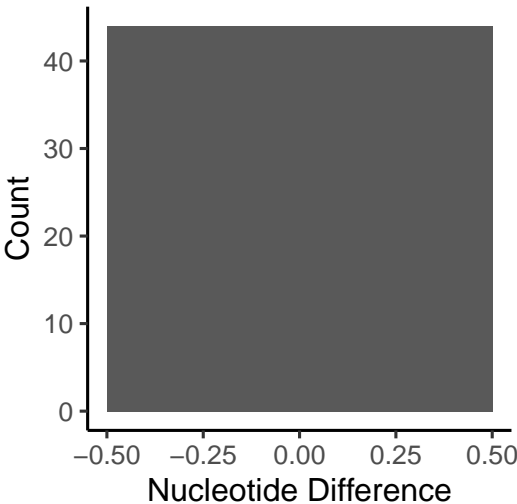
TRBV5-4\*ap01

1031 sequences assigned  
1023 (99.2%) exact matches, in which:  
1017 unique CDR3  
13 unique J



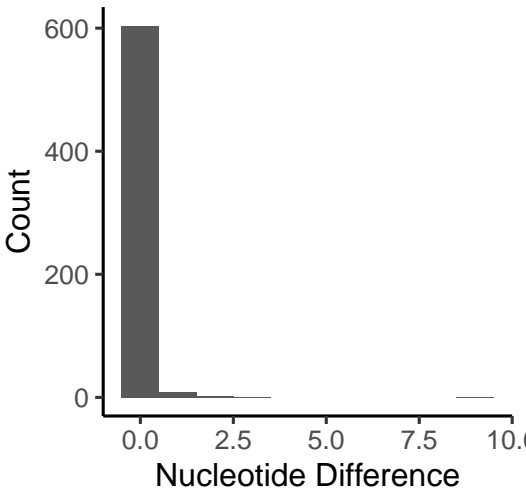
TRBV5-7\*ap01

44 sequences assigned  
44 (100%) exact matches, in which:  
44 unique CDR3  
8 unique J



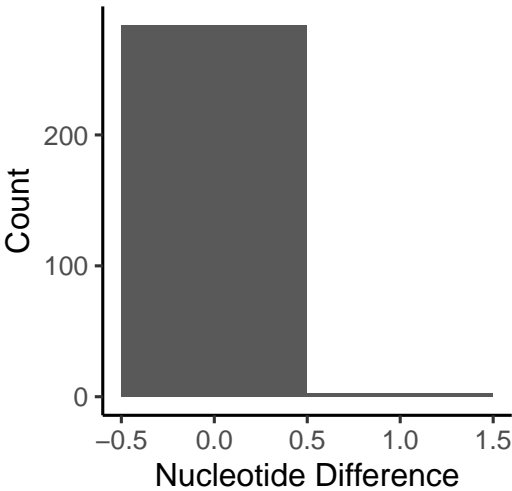
TRBV6-4\*ap01

617 sequences assigned  
604 (97.9%) exact matches, in which:  
598 unique CDR3  
13 unique J



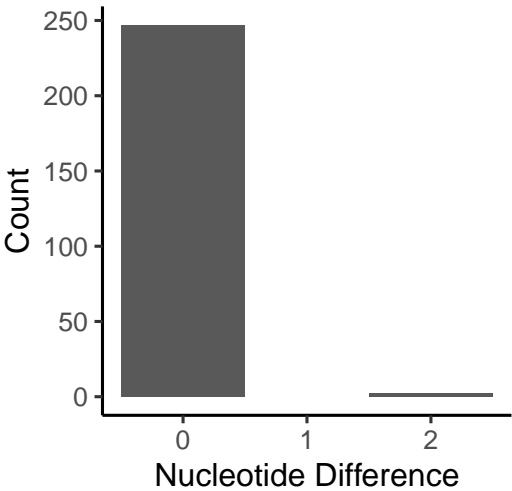
TRBV5-5\*ap01

287 sequences assigned  
284 (99%) exact matches, in which:  
284 unique CDR3  
12 unique J



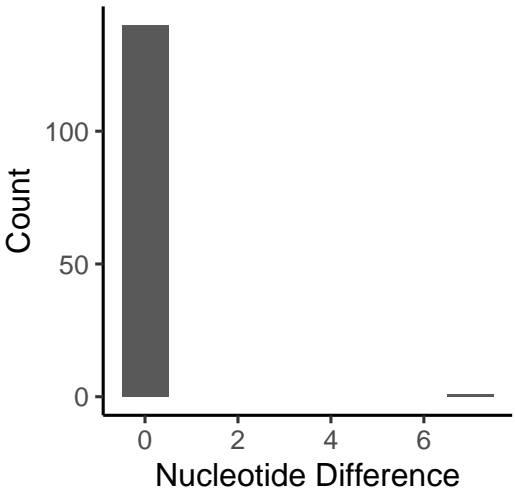
TRBV5-8\*ap01

249 sequences assigned  
247 (99.2%) exact matches, in which:  
246 unique CDR3  
13 unique J



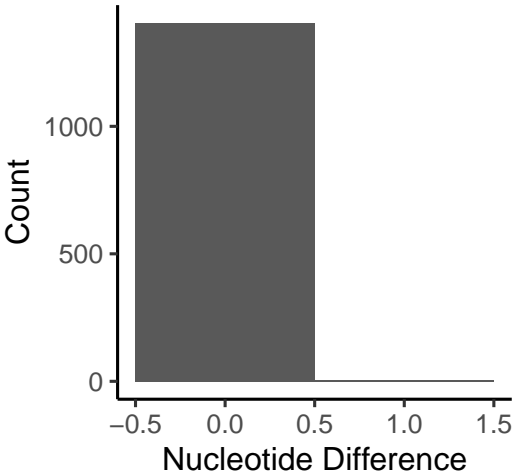
TRBV6-7\*ap01

141 sequences assigned  
140 (99.3%) exact matches, in which:  
140 unique CDR3  
12 unique J



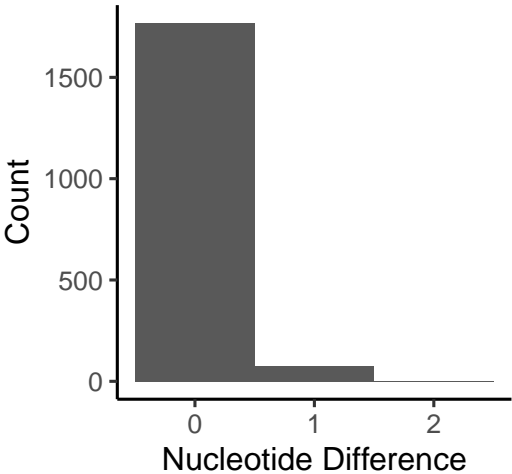
TRBV5-6\*ap01

1409 sequences assigned  
1405 (99.7%) exact matches, in which:  
1377 unique CDR3  
13 unique J



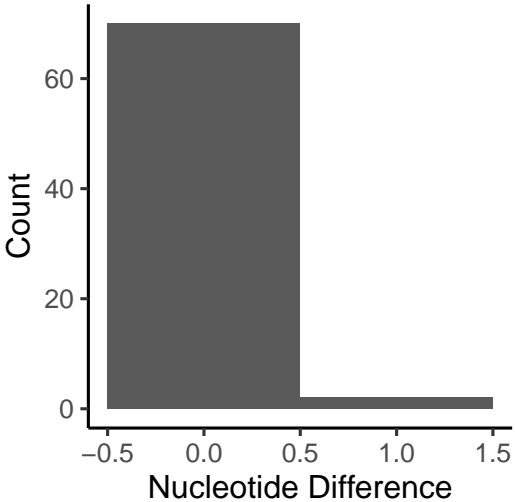
TRBV6-1\*ap01

1846 sequences assigned  
1768 (95.8%) exact matches, in which:  
1749 unique CDR3  
13 unique J



TRBV6-8\*ap01

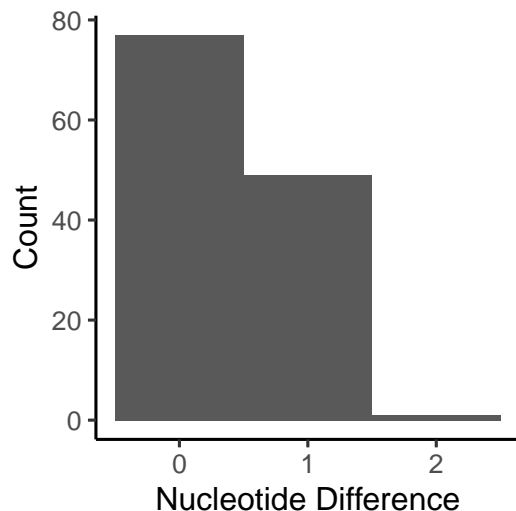
72 sequences assigned  
70 (97.2%) exact matches, in which:  
67 unique CDR3  
9 unique J





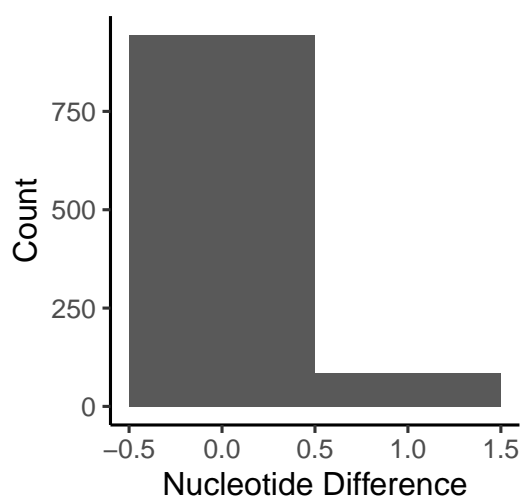
### TRBV6-9\*ap01

127 sequences assigned  
77 (60.6%) exact matches, in which:  
77 unique CDR3  
11 unique J



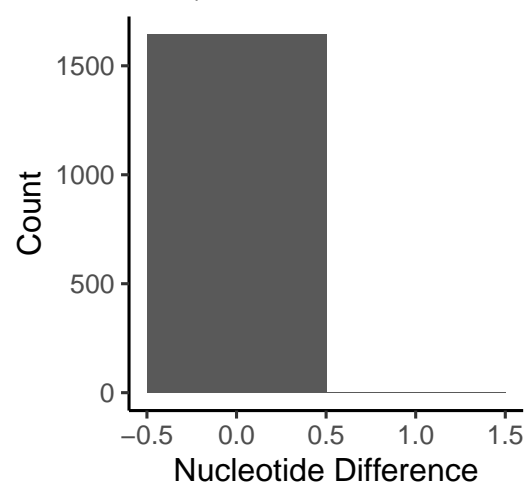
### TRBV6-56\*ap02

1029 sequences assigned  
945 (91.8%) exact matches, in which:  
934 unique CDR3  
13 unique J



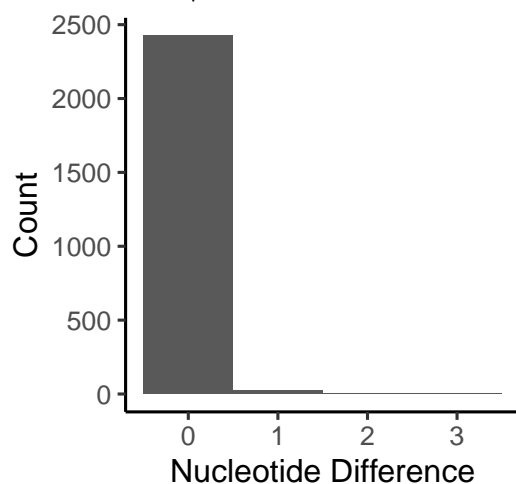
### TRBV7-2\*ap01

1648 sequences assigned  
1644 (99.8%) exact matches, in which:  
1626 unique CDR3  
12 unique J



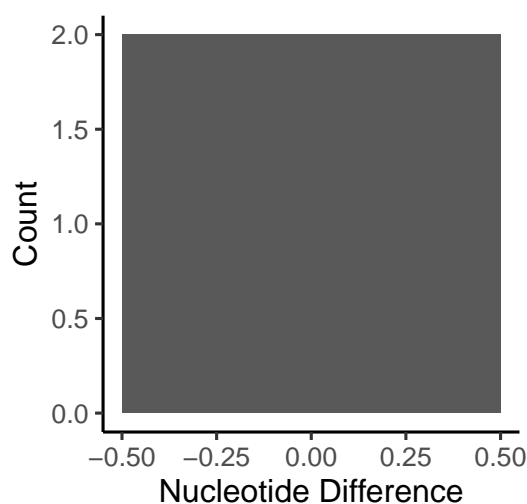
### TRBV6-23\*ap01

2455 sequences assigned  
2425 (98.8%) exact matches, in which:  
2400 unique CDR3  
13 unique J



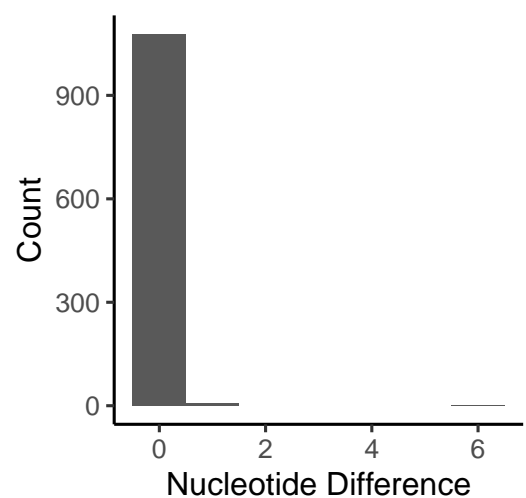
### TRBV7-1\*ap01

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



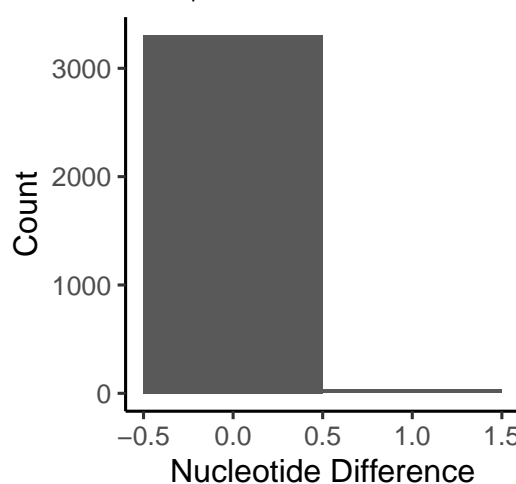
### TRBV7-3\*ap01

1085 sequences assigned  
1078 (99.4%) exact matches, in which:  
1070 unique CDR3  
13 unique J



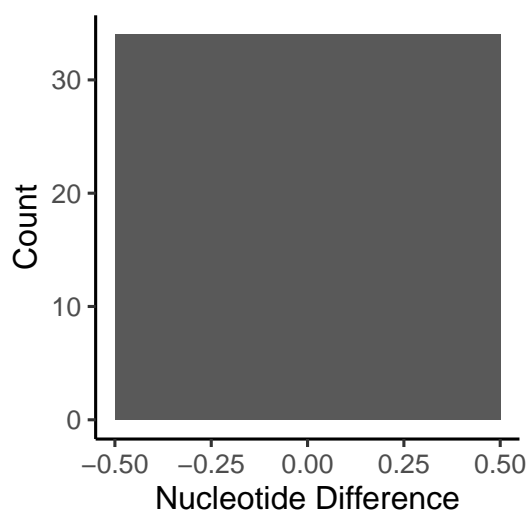
### TRBV6-56\*ap01

3343 sequences assigned  
3307 (98.9%) exact matches, in which:  
3265 unique CDR3  
13 unique J



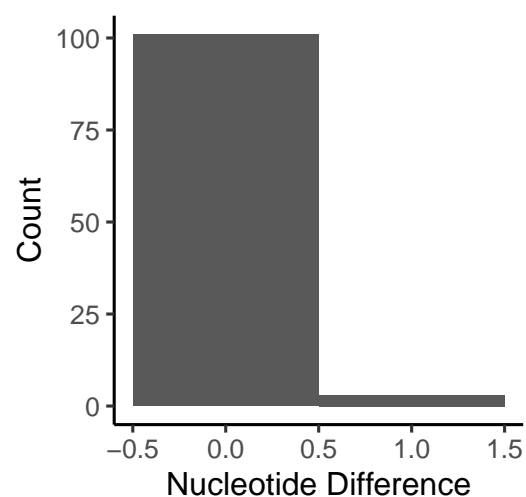
### TRBV7-1\*ap01\_G291C\_T

34 sequences assigned  
34 (100%) exact matches, in which:  
34 unique CDR3  
9 unique J



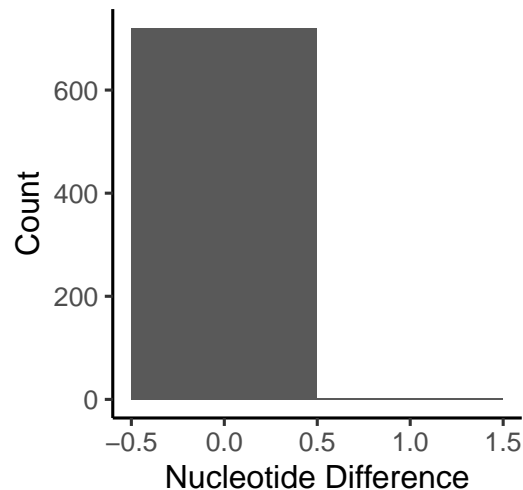
### TRBV7-4\*ap01

104 sequences assigned  
101 (97.1%) exact matches, in which:  
100 unique CDR3  
13 unique J



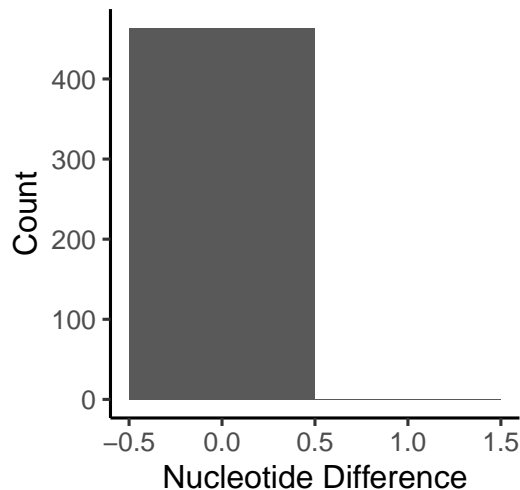
### TRBV7-6\*ap01

724 sequences assigned  
721 (99.6%) exact matches, in which:  
715 unique CDR3  
13 unique J



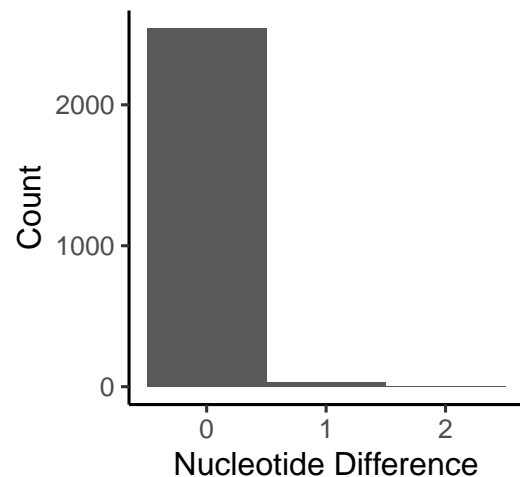
### TRBV7-8\*ap01

465 sequences assigned  
464 (99.8%) exact matches, in which:  
461 unique CDR3  
13 unique J



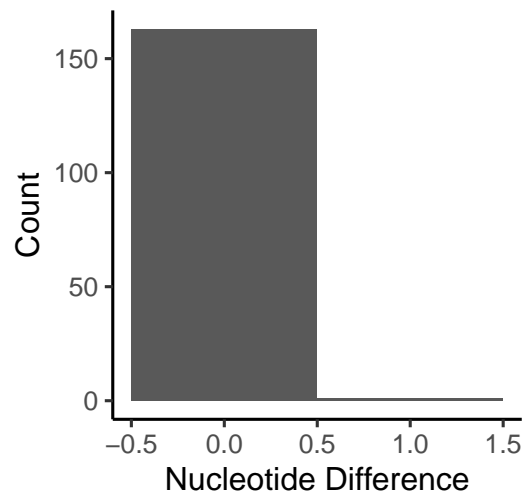
### TRBV29-1\*ap01

2575 sequences assigned  
2542 (98.7%) exact matches, in which:  
2482 unique CDR3  
13 unique J



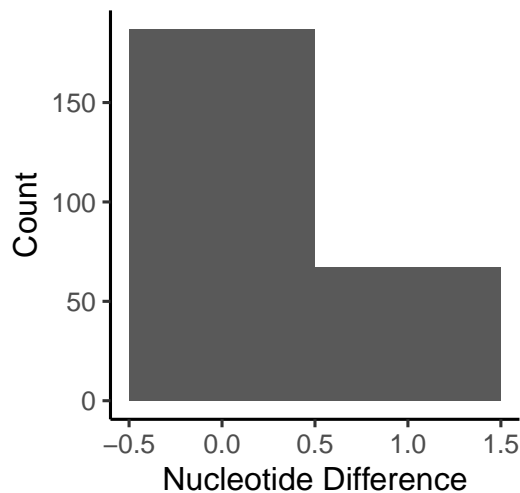
### TRBV7-7\*ap01

164 sequences assigned  
163 (99.4%) exact matches, in which:  
162 unique CDR3  
12 unique J



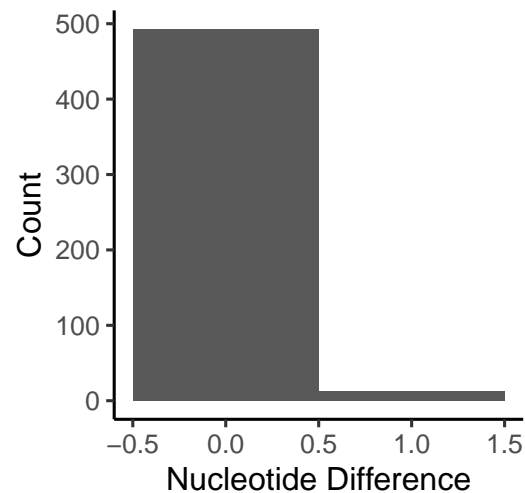
### TRBV7-8\*ap03

254 sequences assigned  
187 (73.6%) exact matches, in which:  
185 unique CDR3  
10 unique J



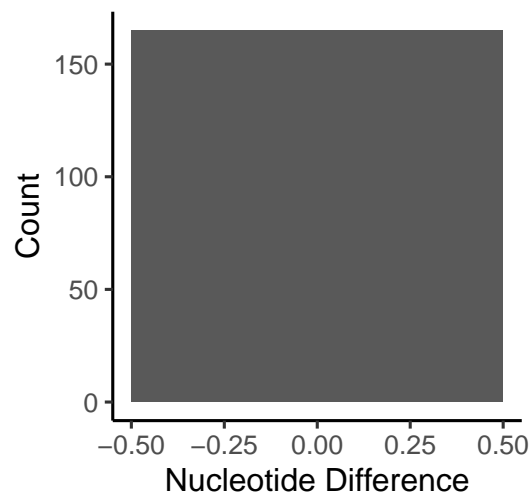
### TRBV29-1\*ap02

505 sequences assigned  
493 (97.6%) exact matches, in which:  
475 unique CDR3  
13 unique J



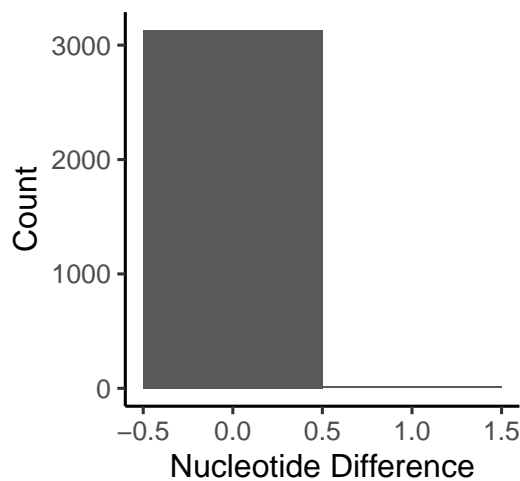
### TRBV7-7\*ap01\_C315T

165 sequences assigned  
165 (100%) exact matches, in which:  
162 unique CDR3  
12 unique J

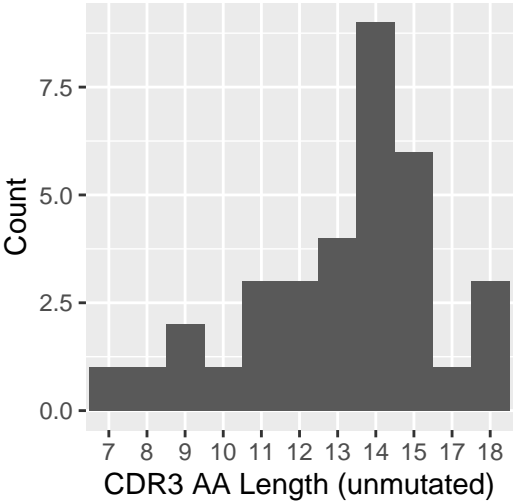


### TRBV7-9\*ap01

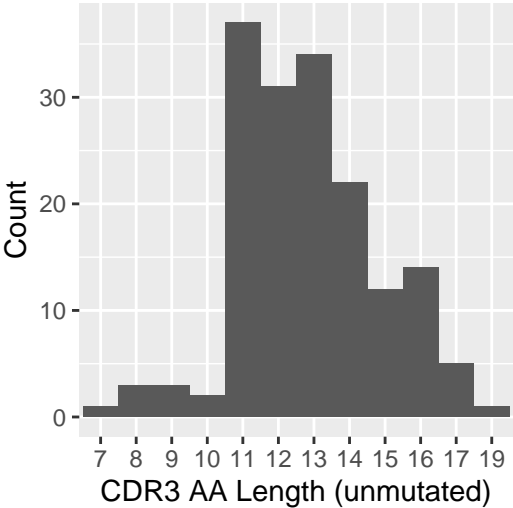
3148 sequences assigned  
3132 (99.5%) exact matches, in which:  
3104 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.