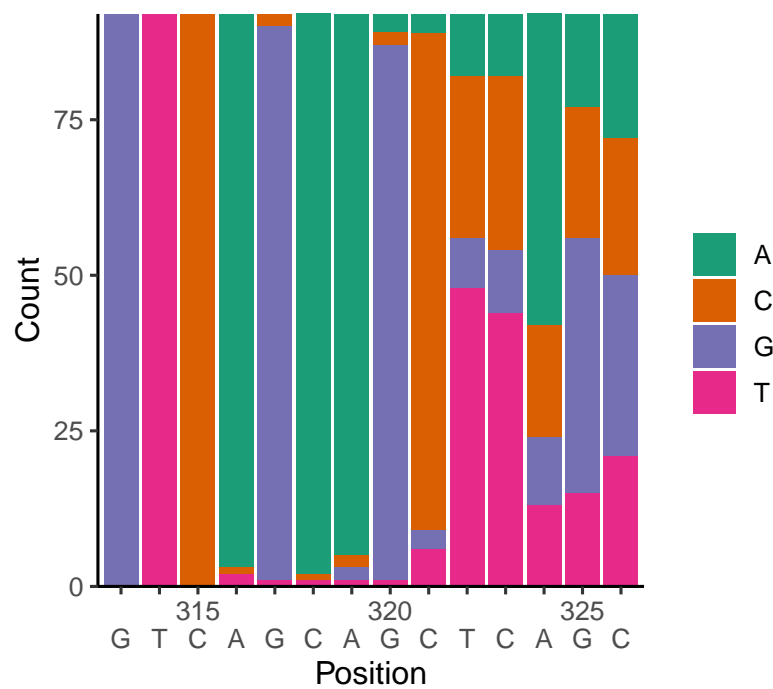
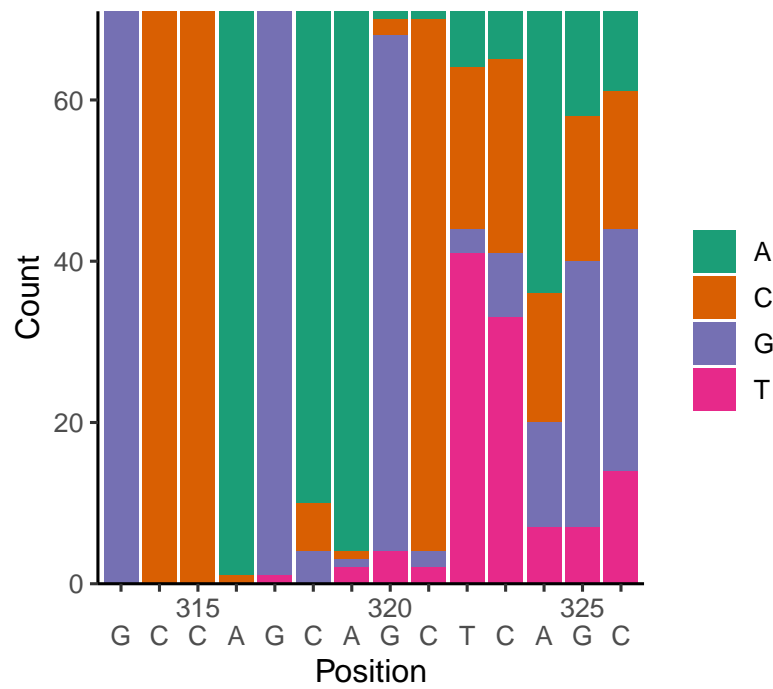


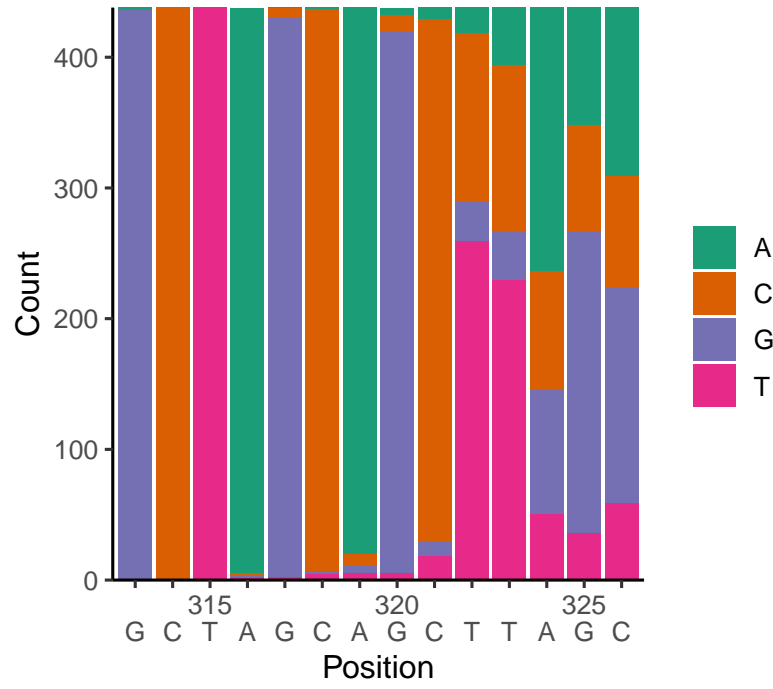
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



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



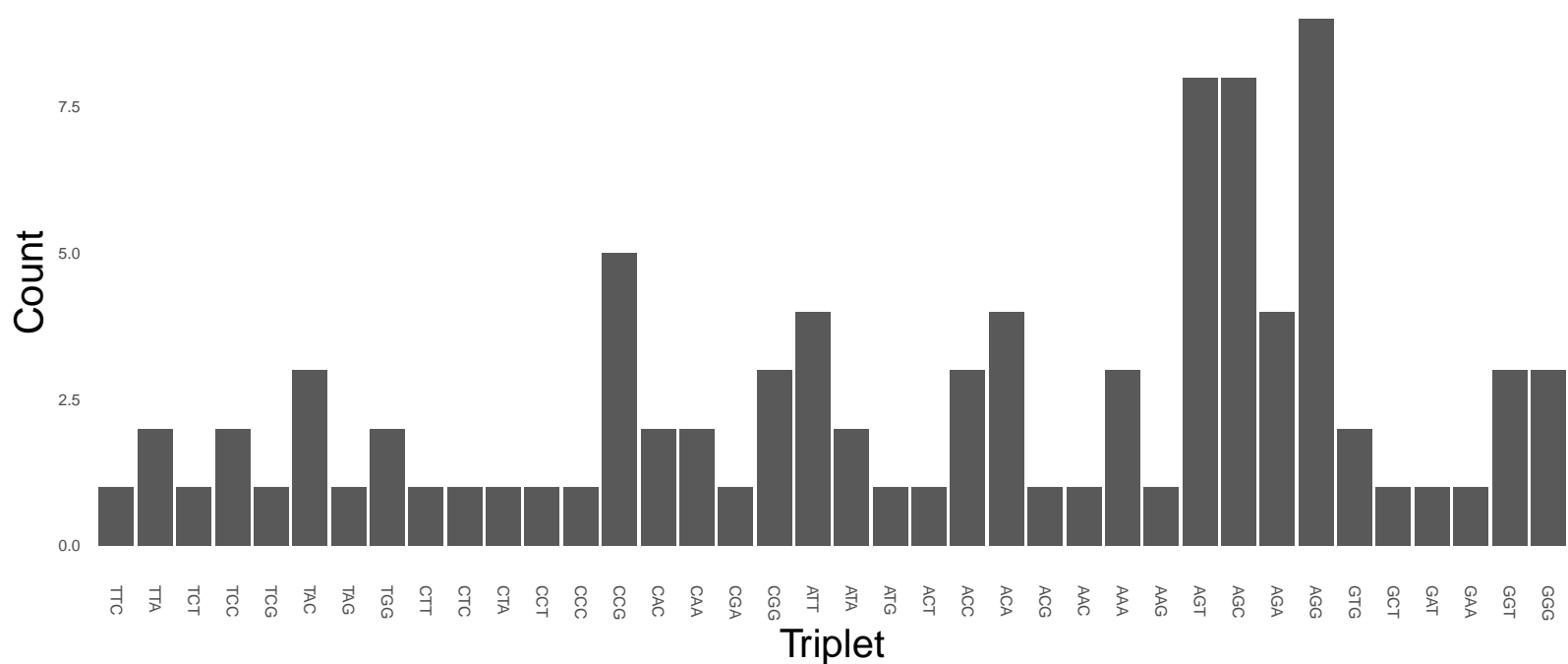
Gene TRBV7-1\*ap01\_G291C\_T296C



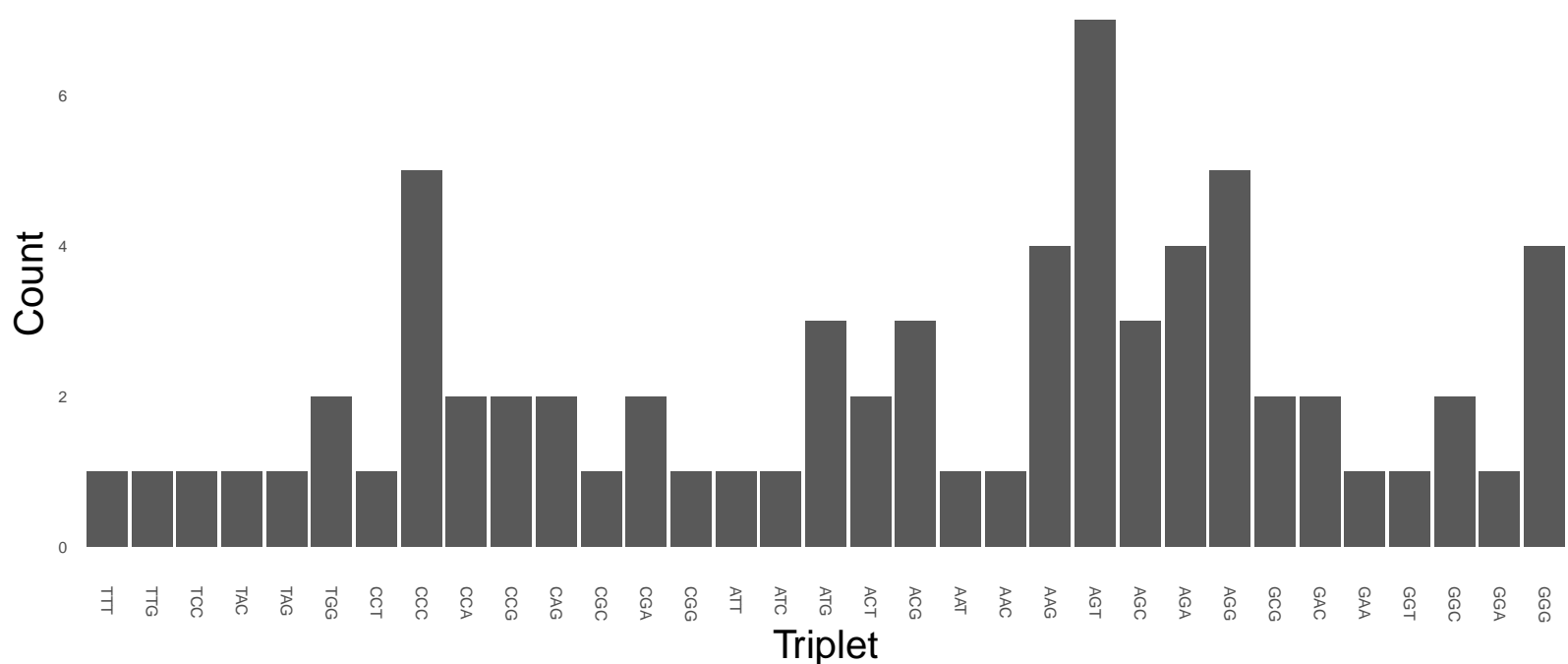
Gene TRBV7-7\*ap01\_C315T



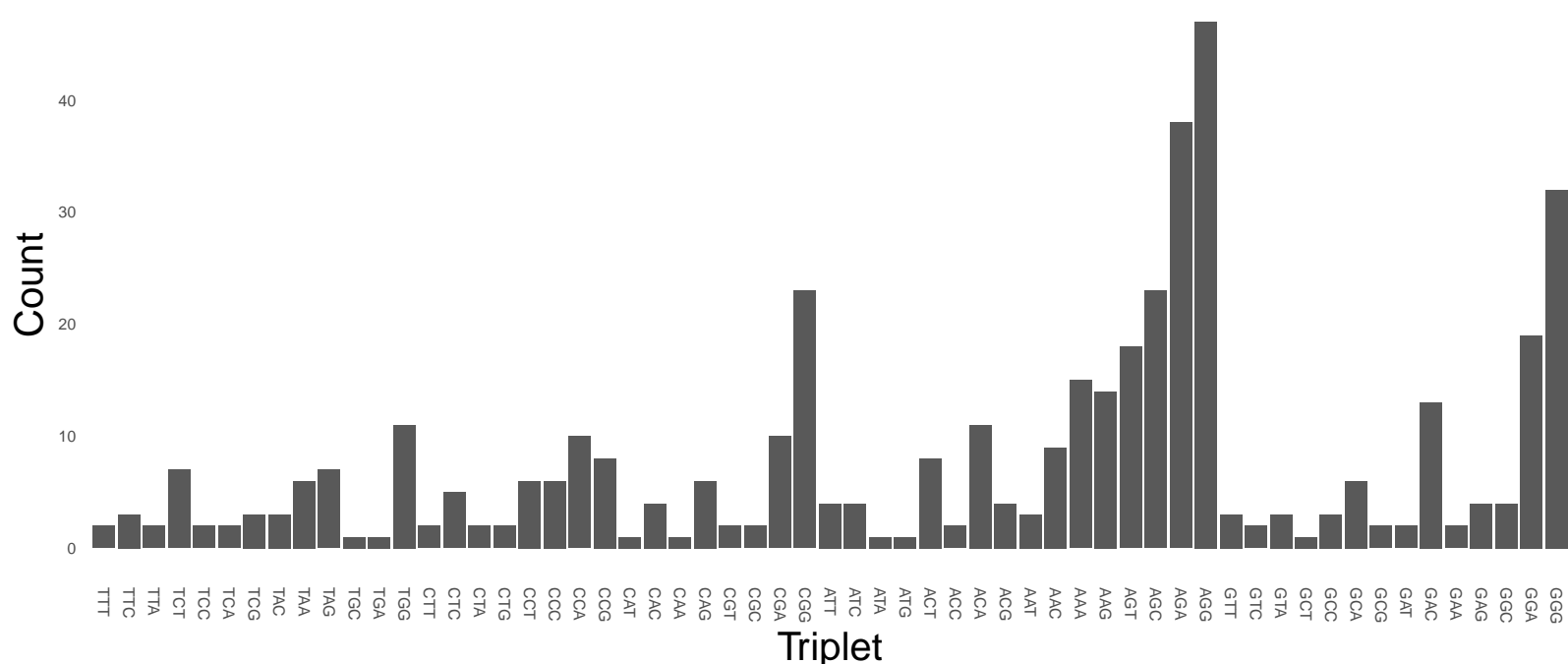
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

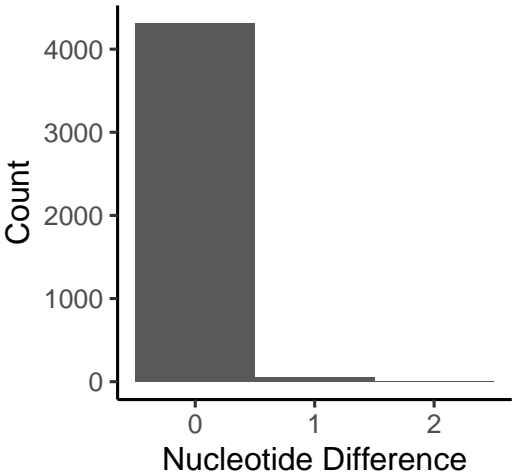


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



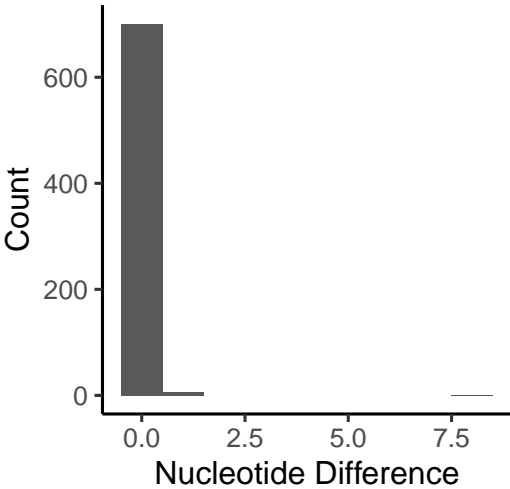
TRBV20-1\*ap01

4361 sequences assigned  
4310 (98.8%) exact matches, in which:  
4262 unique CDR3  
13 unique J



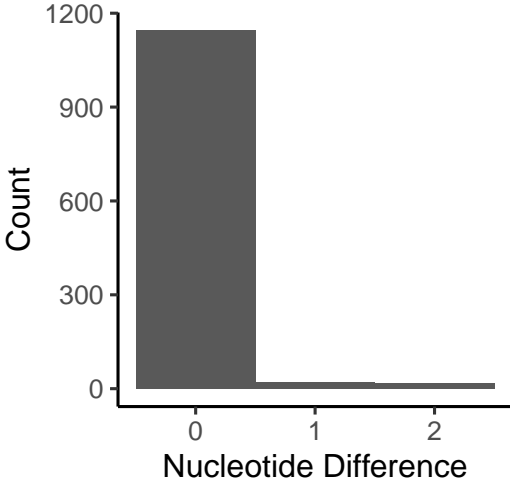
TRBV10-2\*ap01

709 sequences assigned  
701 (98.9%) exact matches, in which:  
691 unique CDR3  
13 unique J



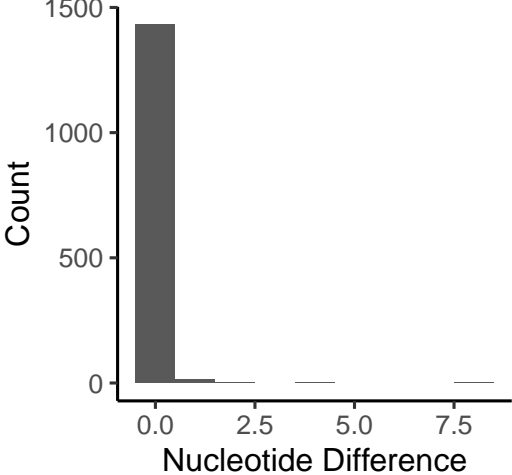
TRBV13\*ap01

1184 sequences assigned  
1145 (96.7%) exact matches, in which:  
1108 unique CDR3  
13 unique J



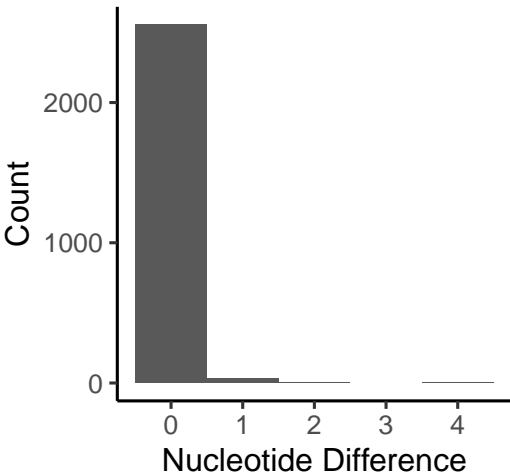
TRBV10-1\*ap01

1448 sequences assigned  
1431 (98.8%) exact matches, in which:  
1387 unique CDR3  
13 unique J



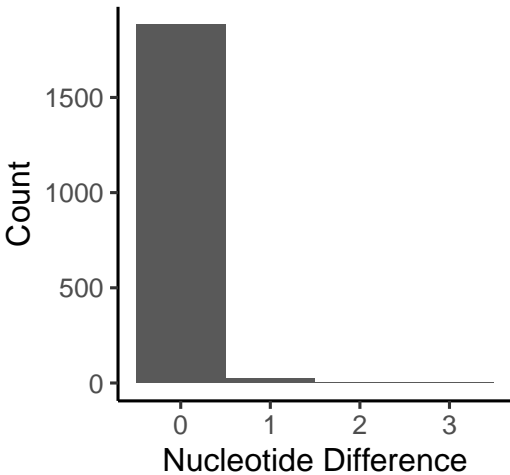
TRBV10-3\*ap01

2591 sequences assigned  
2555 (98.6%) exact matches, in which:  
2502 unique CDR3  
13 unique J



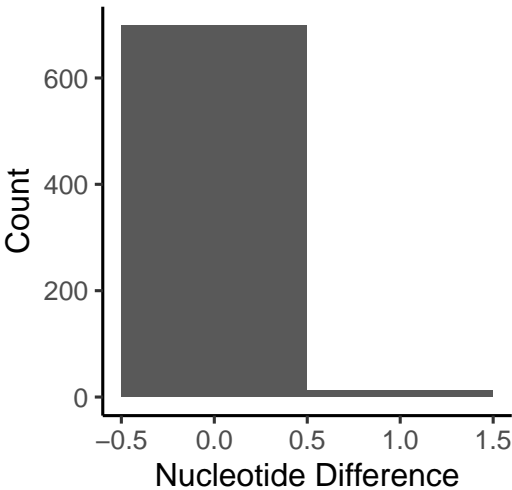
TRBV14\*ap01

1907 sequences assigned  
1882 (98.7%) exact matches, in which:  
1849 unique CDR3  
13 unique J



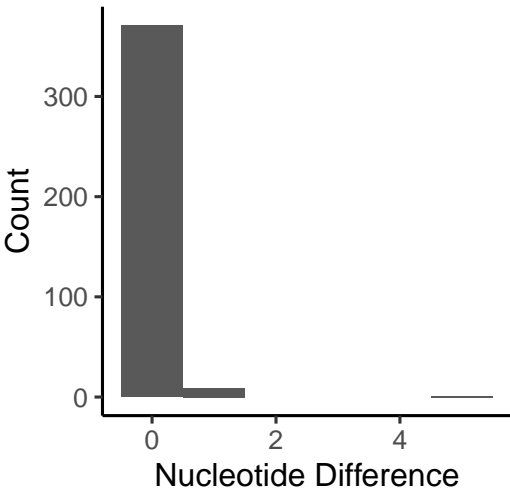
TRBV20-1\*ap02

711 sequences assigned  
699 (98.3%) exact matches, in which:  
696 unique CDR3  
13 unique J



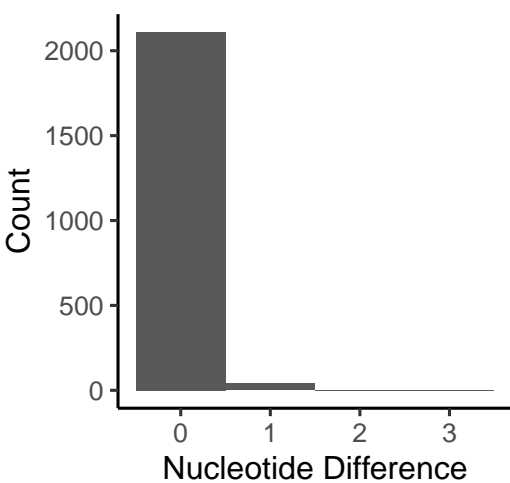
TRBV1\*ap01

381 sequences assigned  
371 (97.4%) exact matches, in which:  
352 unique CDR3  
13 unique J



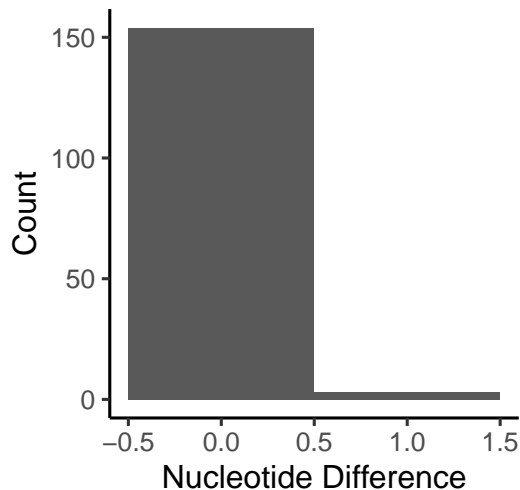
TRBV15\*ap02

2152 sequences assigned  
2110 (98%) exact matches, in which:  
2076 unique CDR3  
13 unique J



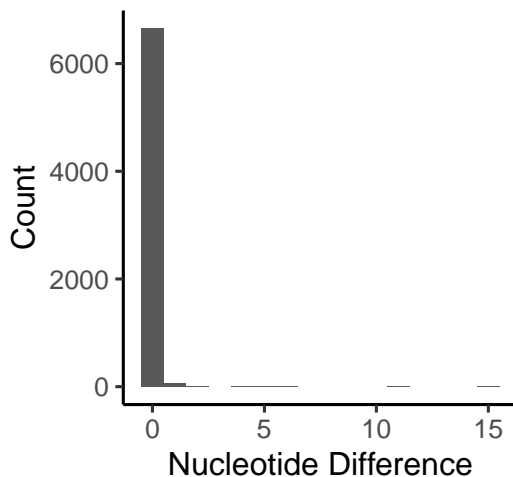
### TRBV16\*ap01

157 sequences assigned  
154 (98.1%) exact matches, in which:  
152 unique CDR3  
13 unique J



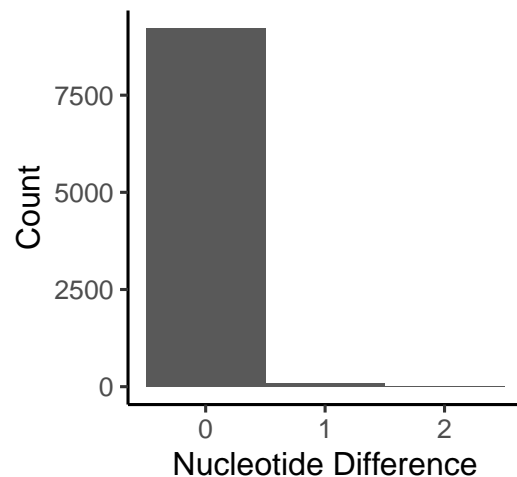
### TRBV19\*ap01

6732 sequences assigned  
6653 (98.8%) exact matches, in which:  
6593 unique CDR3  
13 unique J



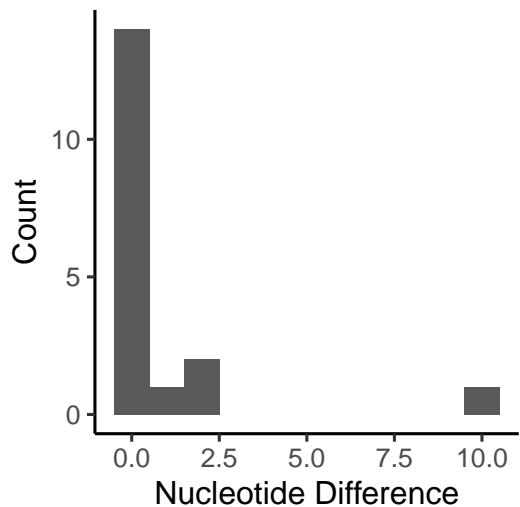
### TRBV28\*ap01

9306 sequences assigned  
9218 (99.1%) exact matches, in which:  
9120 unique CDR3  
13 unique J



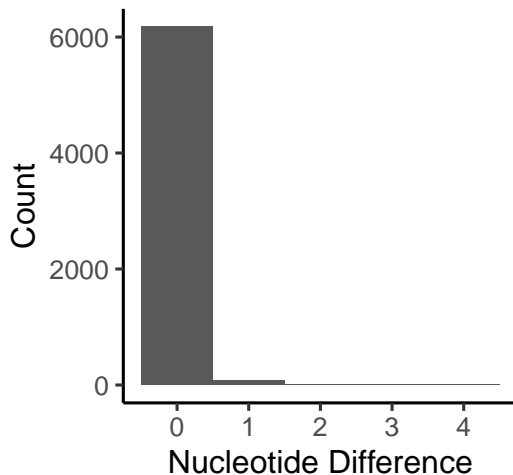
### TRBV17\*ap01

18 sequences assigned  
14 (77.8%) exact matches, in which:  
14 unique CDR3  
8 unique J



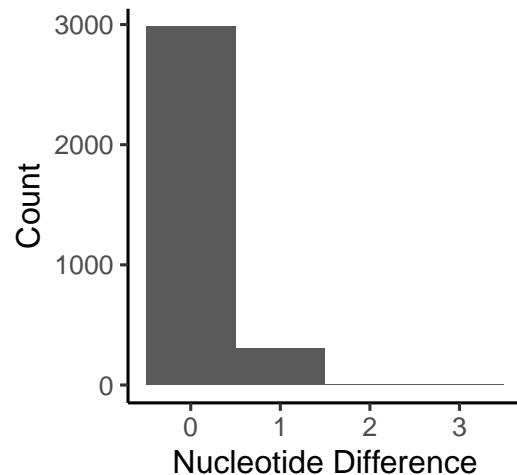
### TRBV2\*ap01

6252 sequences assigned  
6178 (98.8%) exact matches, in which:  
6072 unique CDR3  
13 unique J



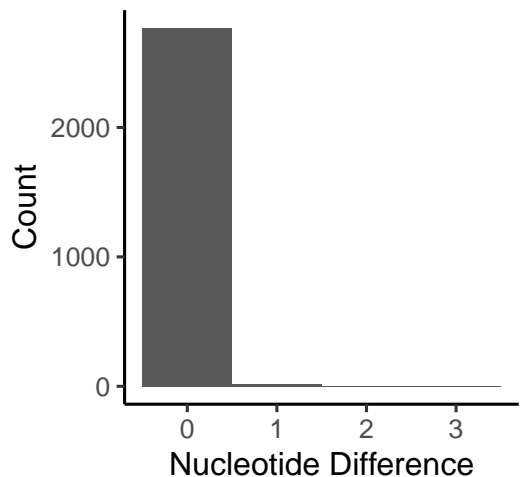
### TRBV30\*ap01

3297 sequences assigned  
2982 (90.4%) exact matches, in which:  
2912 unique CDR3  
13 unique J



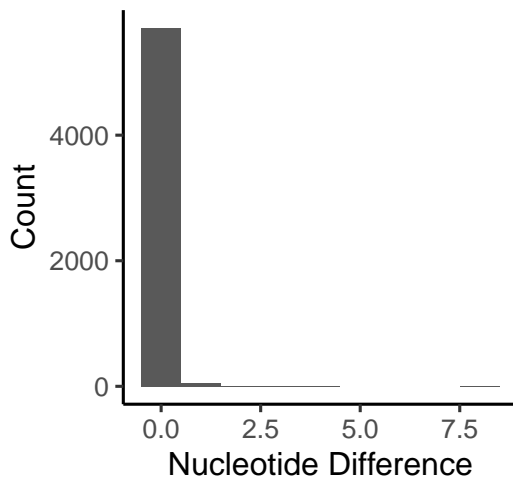
### TRBV18\*ap01

2790 sequences assigned  
2768 (99.2%) exact matches, in which:  
2735 unique CDR3  
13 unique J



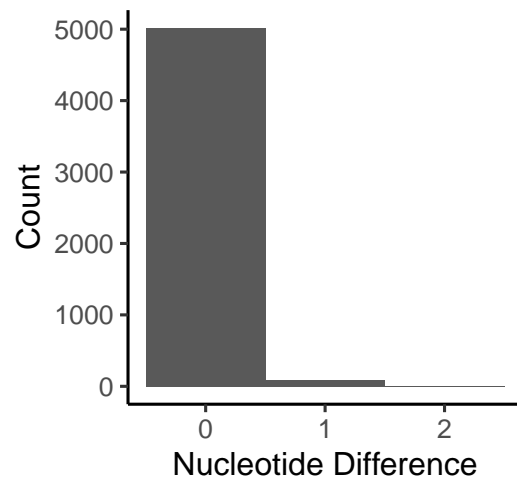
### TRBV27\*ap01

5766 sequences assigned  
5706 (99%) exact matches, in which:  
5611 unique CDR3  
13 unique J



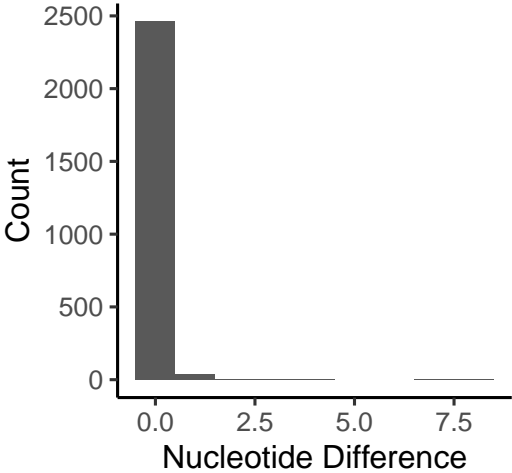
### TRBV9\*ap01

5105 sequences assigned  
5016 (98.3%) exact matches, in which:  
4957 unique CDR3  
13 unique J



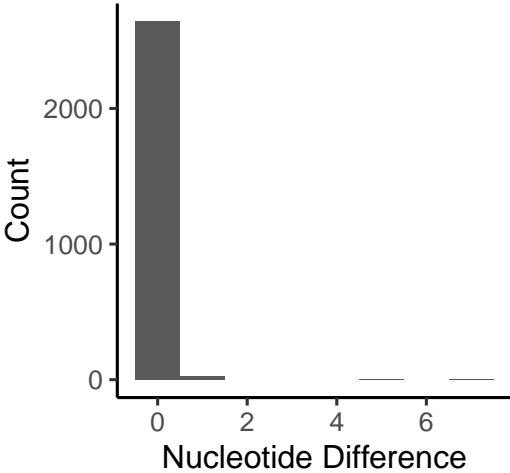
TRBV21-1\*ap01

2507 sequences assigned  
2462 (98.2%) exact matches, in which:  
2439 unique CDR3  
13 unique J



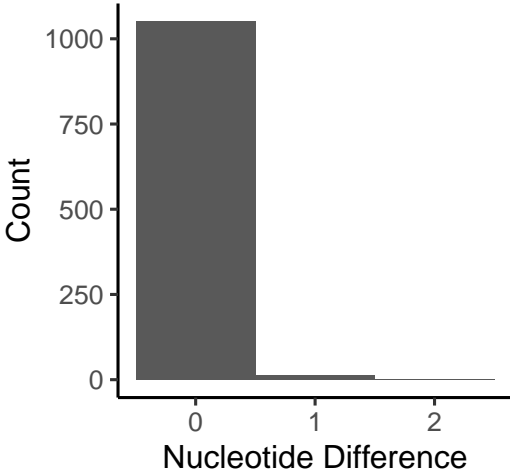
TRBV11-3\*ap01

2669 sequences assigned  
2642 (99%) exact matches, in which:  
2598 unique CDR3  
13 unique J



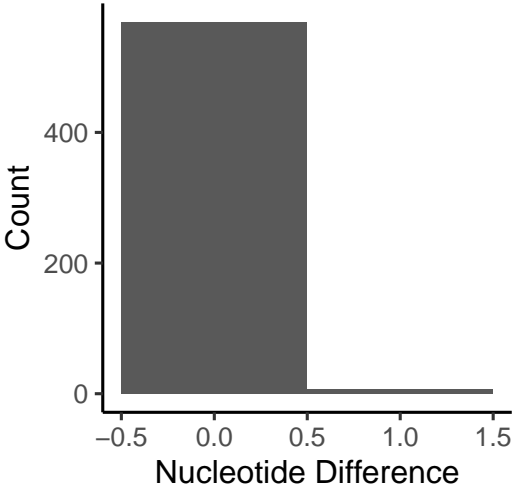
TRBV12-5\*ap01

1065 sequences assigned  
1051 (98.7%) exact matches, in which:  
1037 unique CDR3  
13 unique J



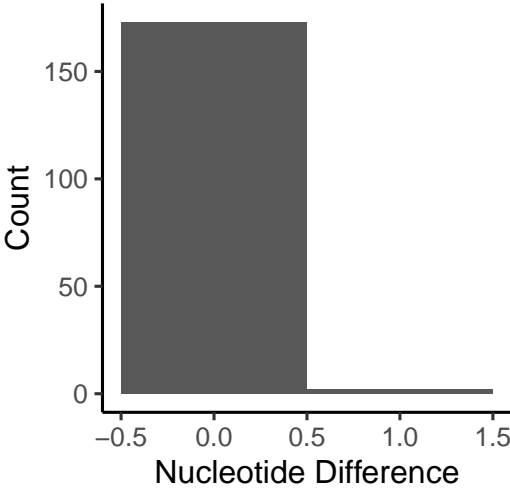
TRBV11-1\*ap01

576 sequences assigned  
569 (98.8%) exact matches, in which:  
561 unique CDR3  
13 unique J



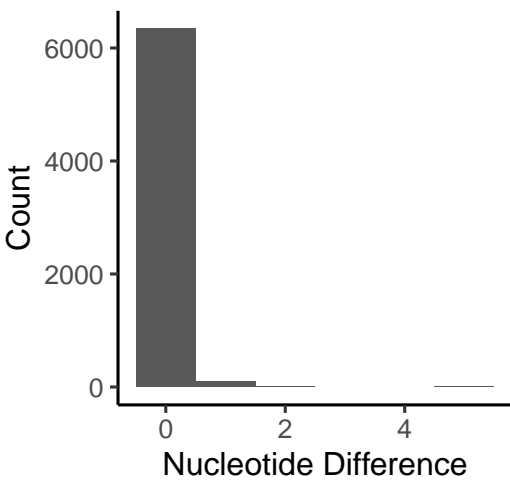
TRBV12-1\*ap01

175 sequences assigned  
173 (98.9%) exact matches, in which:  
169 unique CDR3  
13 unique J



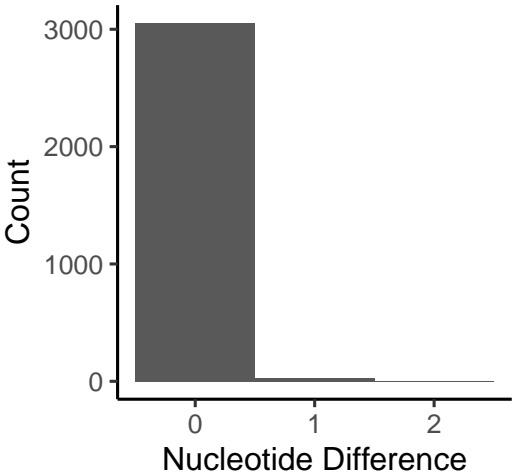
TRBV12-34\*ap01

6441 sequences assigned  
6341 (98.4%) exact matches, in which:  
6241 unique CDR3  
13 unique J



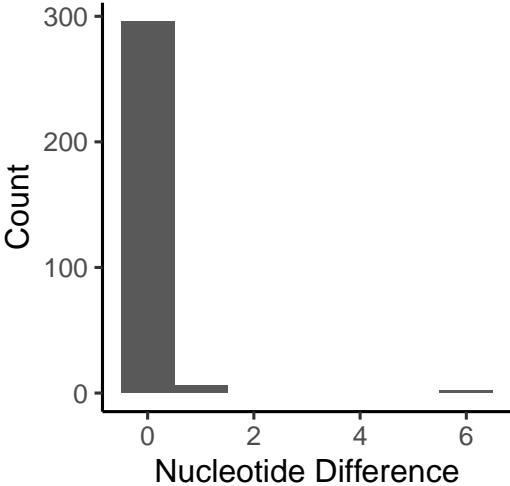
TRBV11-2\*ap01

3083 sequences assigned  
3053 (99%) exact matches, in which:  
3011 unique CDR3  
13 unique J



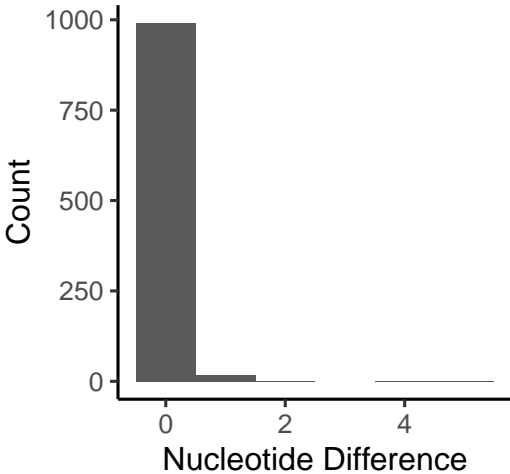
TRBV12-2\*ap01

304 sequences assigned  
296 (97.4%) exact matches, in which:  
292 unique CDR3  
13 unique J



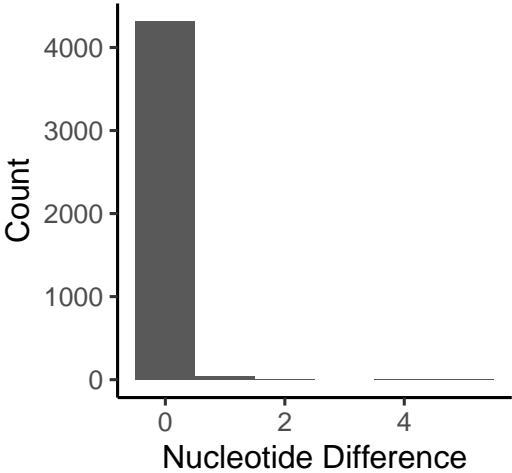
TRBV23-1\*ap01

1012 sequences assigned  
991 (97.9%) exact matches, in which:  
978 unique CDR3  
13 unique J



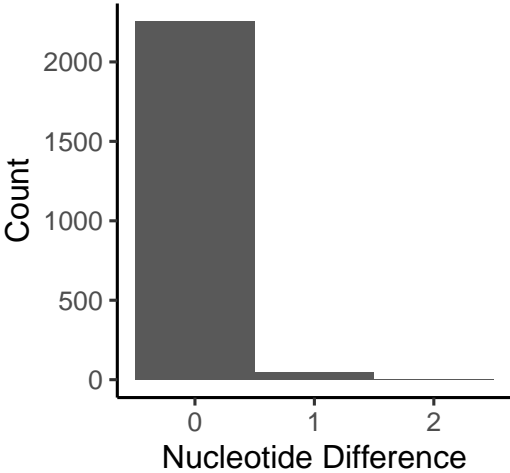
TRBV3-12\*ap01

4354 sequences assigned  
4314 (99.1%) exact matches, in which:  
4271 unique CDR3  
13 unique J



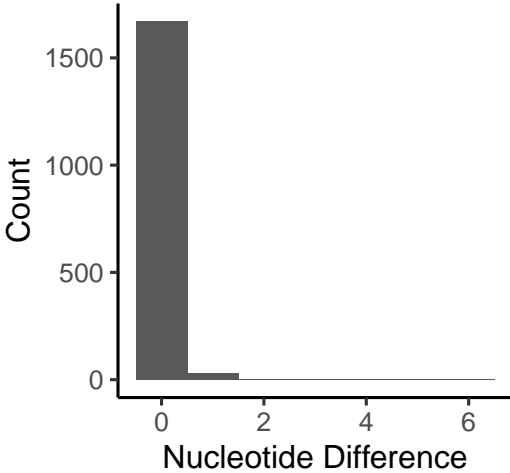
TRBV4-2\*ap01

2302 sequences assigned  
2255 (98%) exact matches, in which:  
2208 unique CDR3  
13 unique J



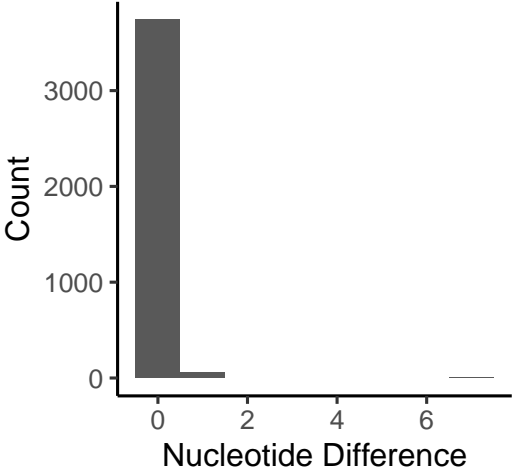
TRBV25-1\*ap01

1708 sequences assigned  
1670 (97.8%) exact matches, in which:  
1617 unique CDR3  
13 unique J



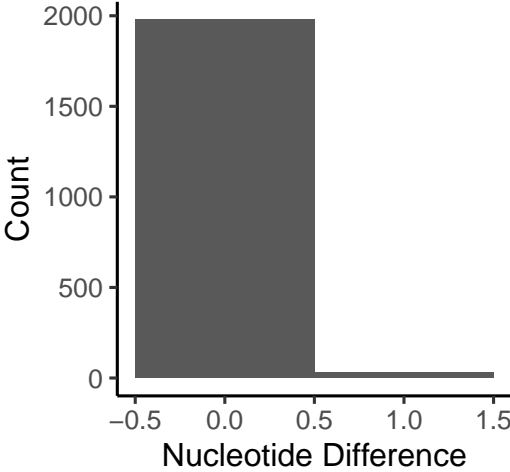
TRBV4-1\*ap01

3798 sequences assigned  
3740 (98.5%) exact matches, in which:  
3666 unique CDR3  
13 unique J



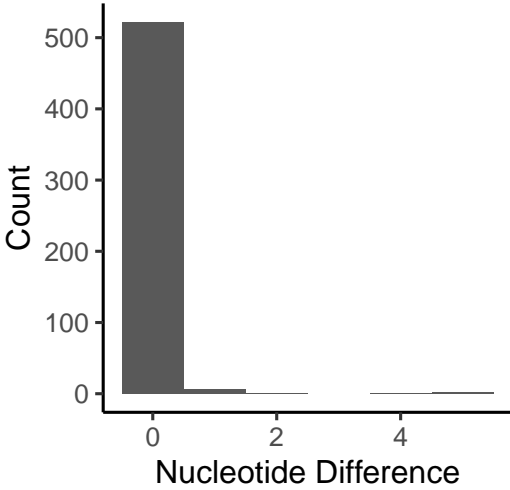
TRBV4-3\*ap01

2007 sequences assigned  
1978 (98.6%) exact matches, in which:  
1933 unique CDR3  
13 unique J



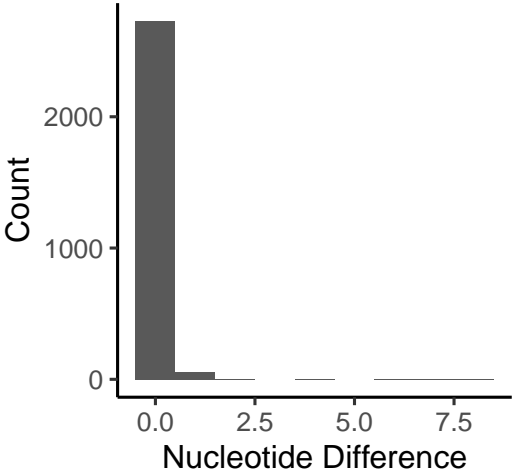
TRBV5-3\*ap01

532 sequences assigned  
522 (98.1%) exact matches, in which:  
510 unique CDR3  
13 unique J



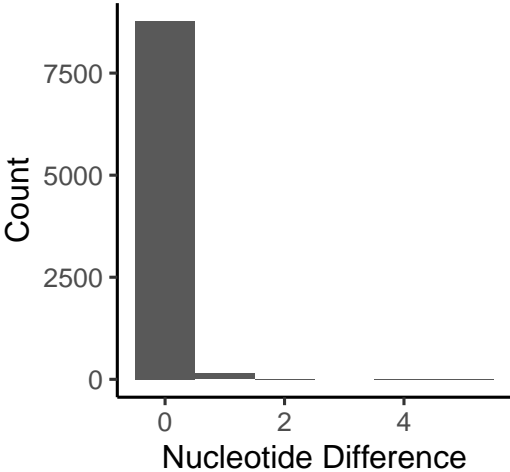
TRBV24-1\*ap01

2789 sequences assigned  
2729 (97.8%) exact matches, in which:  
2677 unique CDR3  
13 unique J



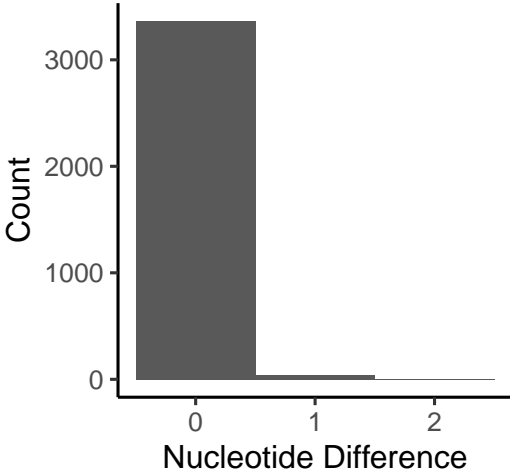
TRBV5-1\*ap01

8922 sequences assigned  
8775 (98.4%) exact matches, in which:  
8599 unique CDR3  
13 unique J



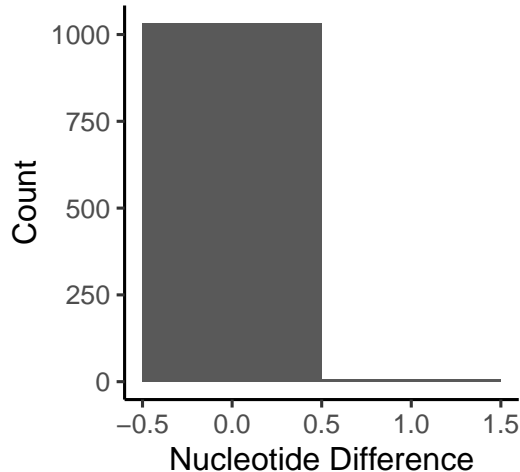
TRBV5-4\*ap01

3408 sequences assigned  
3364 (98.7%) exact matches, in which:  
3300 unique CDR3  
13 unique J



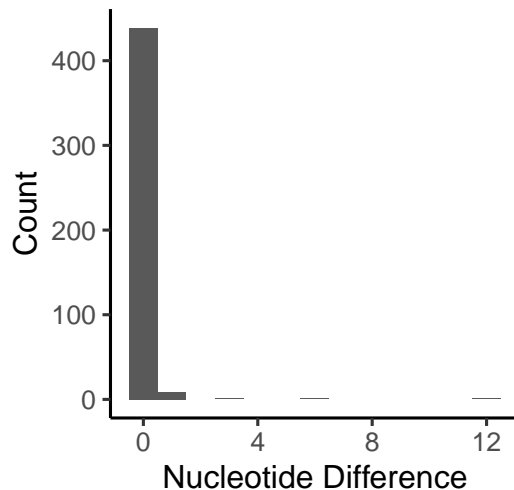
### TRBV5–5\*ap01

1039 sequences assigned  
1032 (99.3%) exact matches, in which:  
1029 unique CDR3  
13 unique J



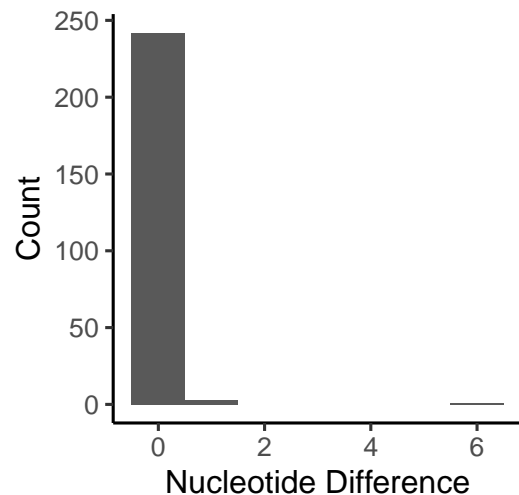
### TRBV5–8\*ap01

451 sequences assigned  
439 (97.3%) exact matches, in which:  
435 unique CDR3  
13 unique J



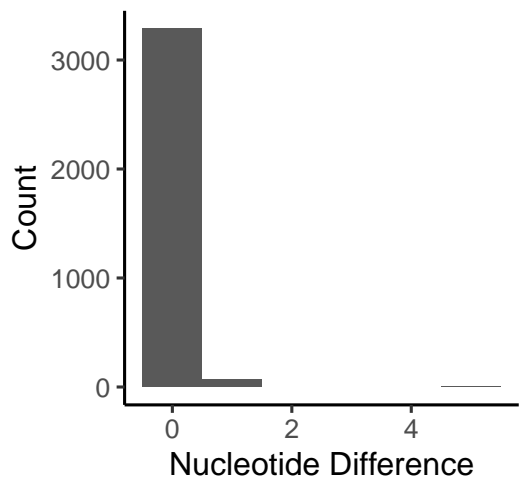
### TRBV6–7\*ap01

246 sequences assigned  
242 (98.4%) exact matches, in which:  
239 unique CDR3  
13 unique J



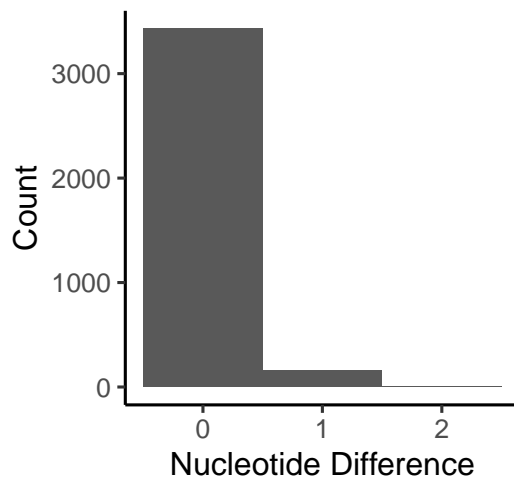
### TRBV5–6\*ap01

3357 sequences assigned  
3287 (97.9%) exact matches, in which:  
3206 unique CDR3  
13 unique J



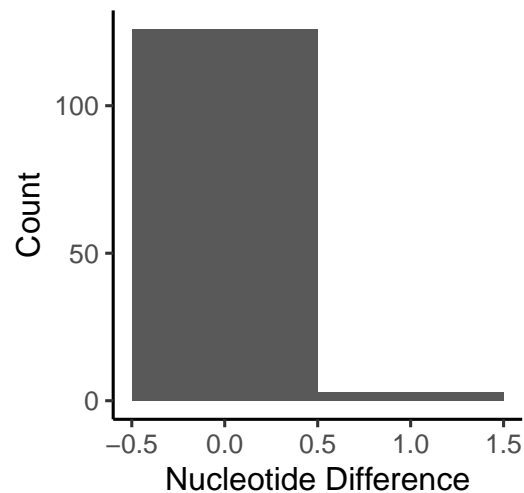
### TRBV6–1\*ap01

3588 sequences assigned  
3430 (95.6%) exact matches, in which:  
3341 unique CDR3  
13 unique J



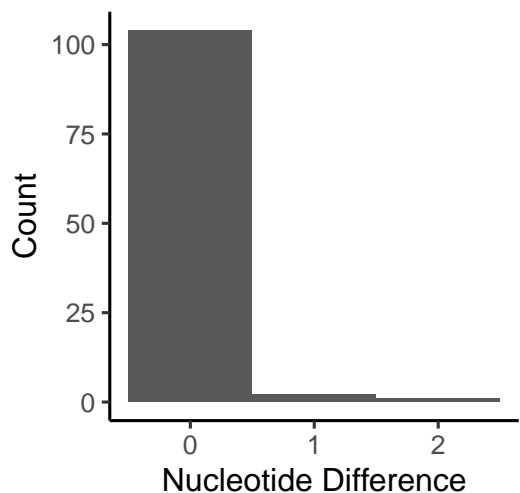
### TRBV6–8\*ap01

129 sequences assigned  
126 (97.7%) exact matches, in which:  
121 unique CDR3  
13 unique J



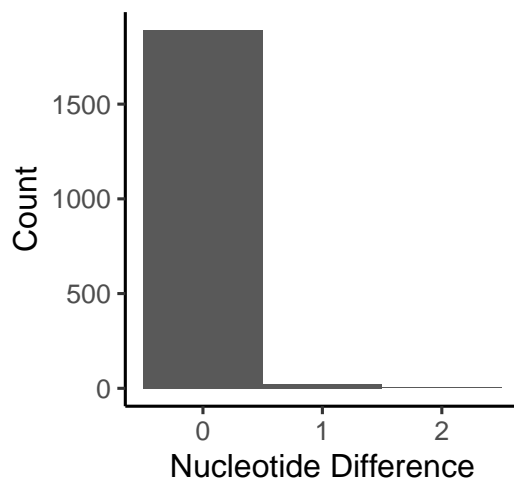
### TRBV5–7\*ap01

107 sequences assigned  
104 (97.2%) exact matches, in which:  
103 unique CDR3  
13 unique J



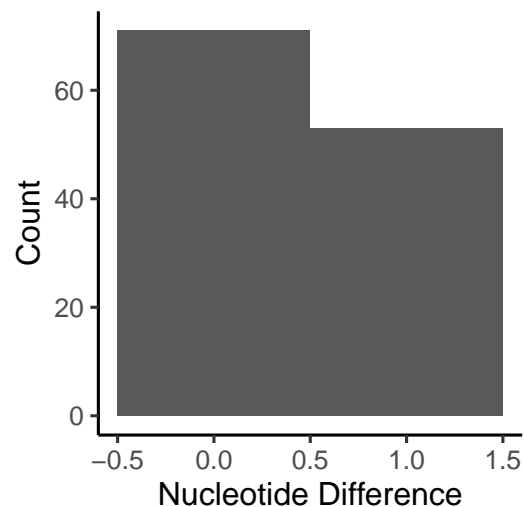
### TRBV6–4\*ap01

1919 sequences assigned  
1891 (98.5%) exact matches, in which:  
1869 unique CDR3  
13 unique J



### TRBV6–9\*ap01

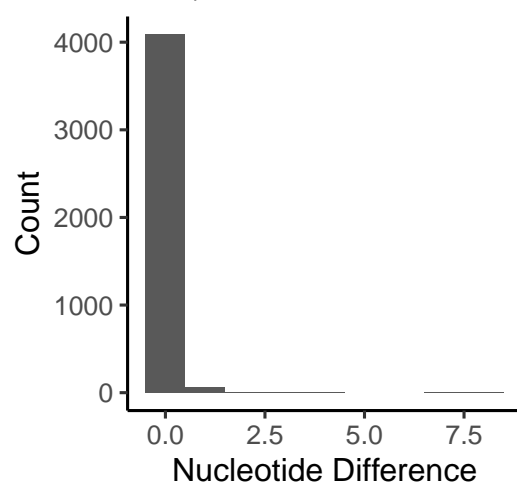
124 sequences assigned  
71 (57.3%) exact matches, in which:  
71 unique CDR3  
12 unique J





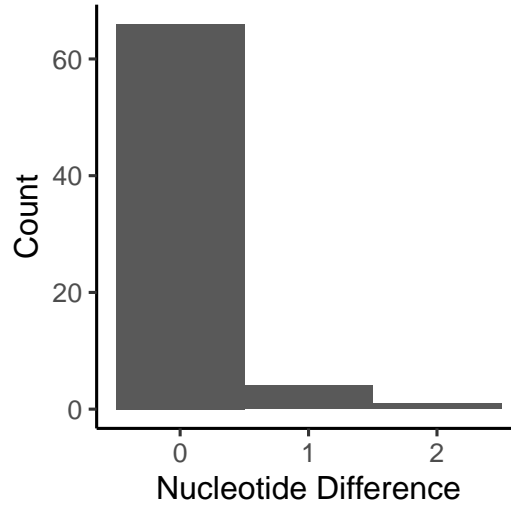
### TRBV6-23\*ap01

4165 sequences assigned  
4089 (98.2%) exact matches, in which:  
3954 unique CDR3  
13 unique J



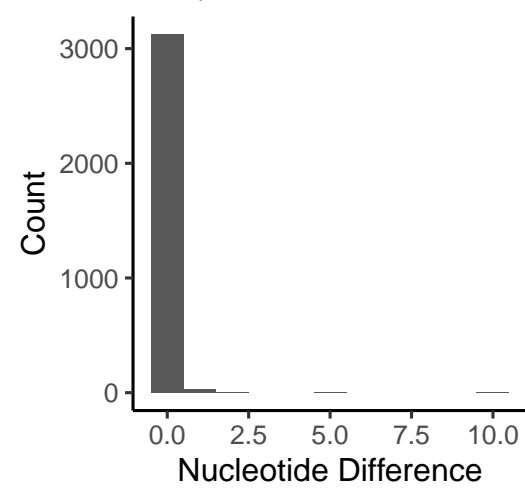
### TRBV7-1\*ap01\_G291C\_T

71 sequences assigned  
66 (93%) exact matches, in which:  
64 unique CDR3  
12 unique J



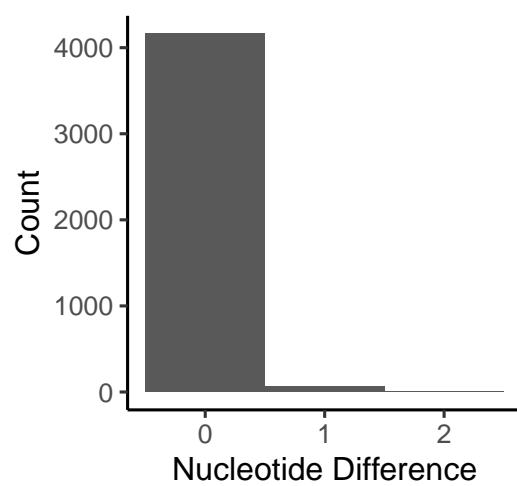
### TRBV7-3\*ap01

3162 sequences assigned  
3124 (98.8%) exact matches, in which:  
3078 unique CDR3  
14 unique J



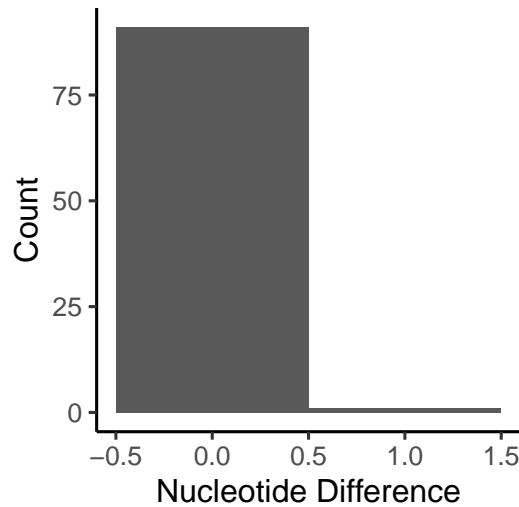
### TRBV6-56\*ap01

4234 sequences assigned  
4162 (98.3%) exact matches, in which:  
4053 unique CDR3  
13 unique J



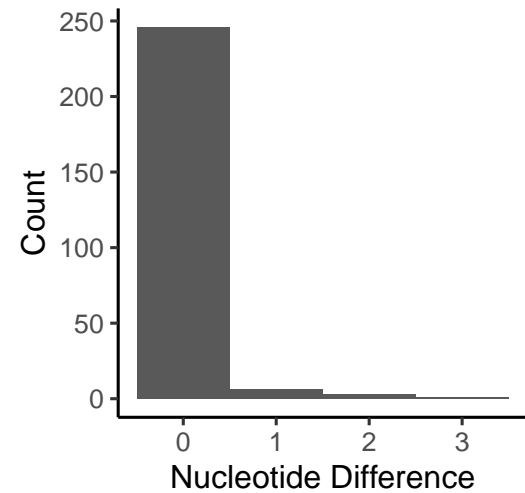
### TRBV7-1\*ap01\_G291C\_T

92 sequences assigned  
91 (98.9%) exact matches, in which:  
90 unique CDR3  
13 unique J



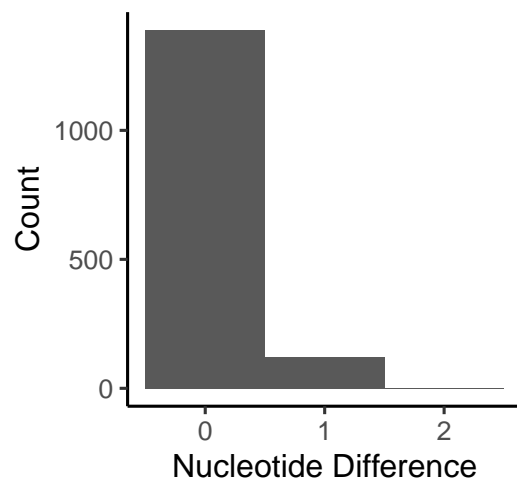
### TRBV7-4\*ap01

256 sequences assigned  
246 (96.1%) exact matches, in which:  
242 unique CDR3  
13 unique J



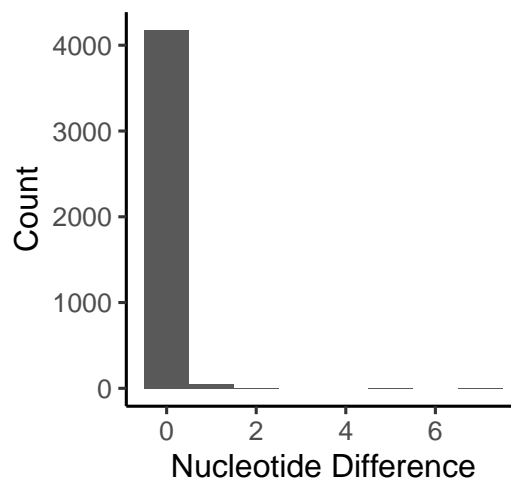
### TRBV6-56\*ap02

1513 sequences assigned  
1389 (91.8%) exact matches, in which:  
1363 unique CDR3  
13 unique J



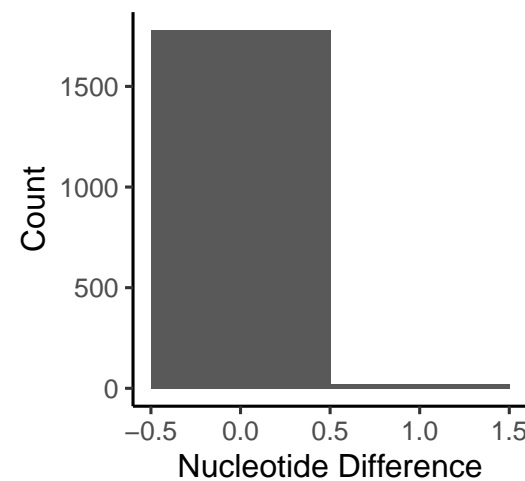
### TRBV7-2\*ap01

4228 sequences assigned  
4177 (98.8%) exact matches, in which:  
4117 unique CDR3  
13 unique J



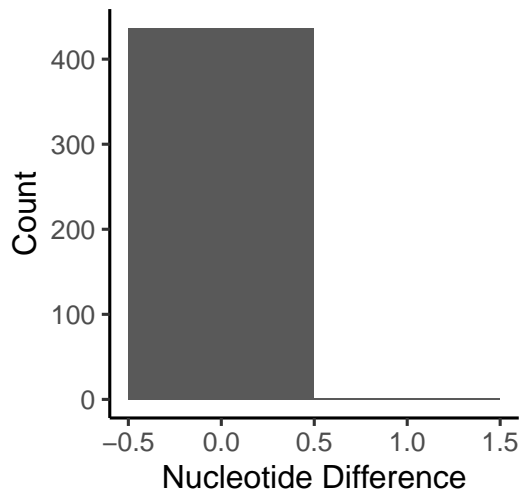
### TRBV7-6\*ap01

1802 sequences assigned  
1780 (98.8%) exact matches, in which:  
1748 unique CDR3  
13 unique J



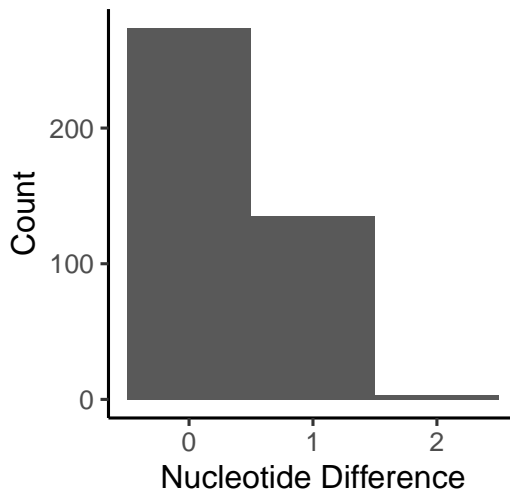
### TRBV7-7\*ap01

439 sequences assigned  
437 (99.5%) exact matches, in which:  
431 unique CDR3  
13 unique J



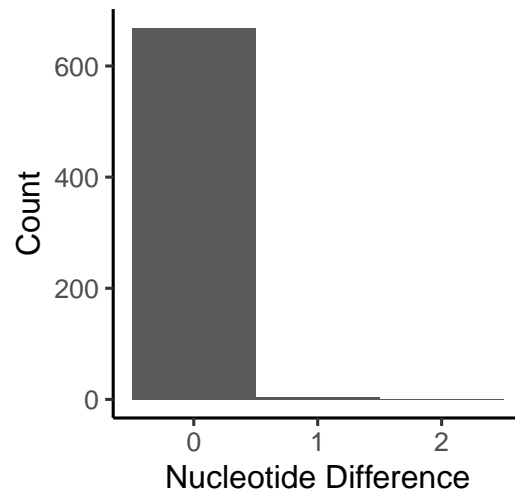
### TRBV7-8\*ap03

412 sequences assigned  
274 (66.5%) exact matches, in which:  
269 unique CDR3  
13 unique J



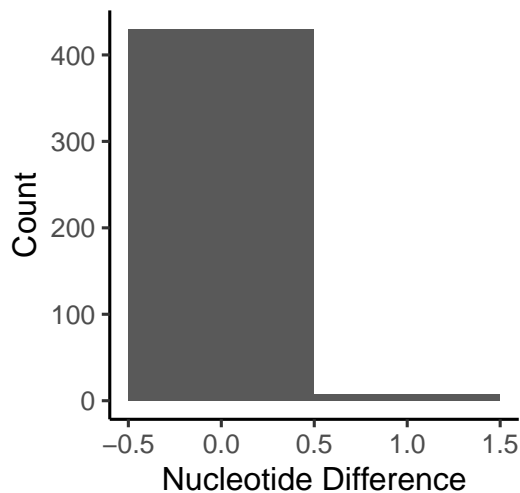
### TRBV29-1\*ap02

674 sequences assigned  
669 (99.3%) exact matches, in which:  
639 unique CDR3  
13 unique J



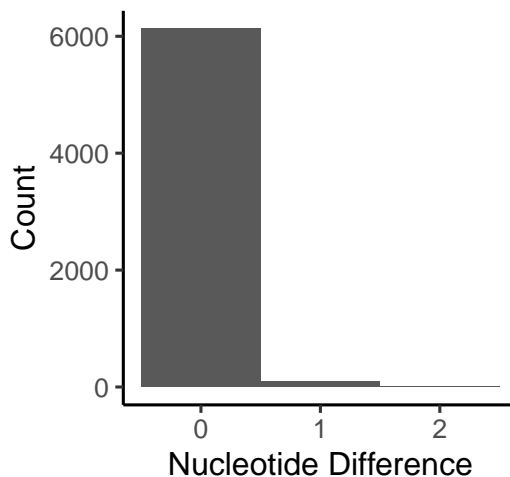
### TRBV7-7\*ap01\_C315T

438 sequences assigned  
430 (98.2%) exact matches, in which:  
421 unique CDR3  
12 unique J



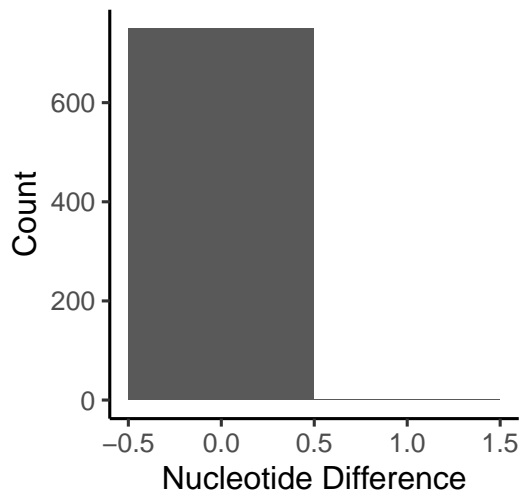
### TRBV7-9\*ap01

6219 sequences assigned  
6129 (98.6%) exact matches, in which:  
6024 unique CDR3  
13 unique J



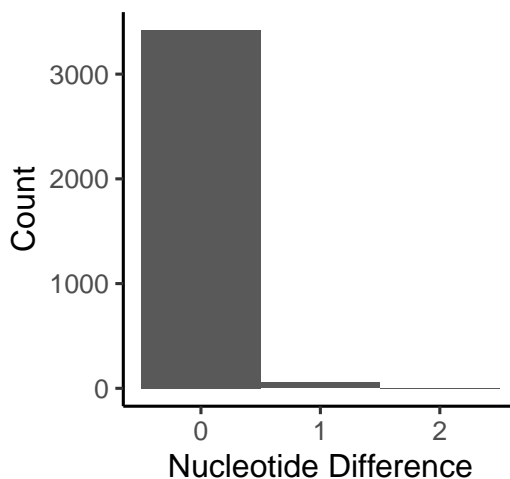
### TRBV7-8\*ap01

752 sequences assigned  
750 (99.7%) exact matches, in which:  
735 unique CDR3  
13 unique J

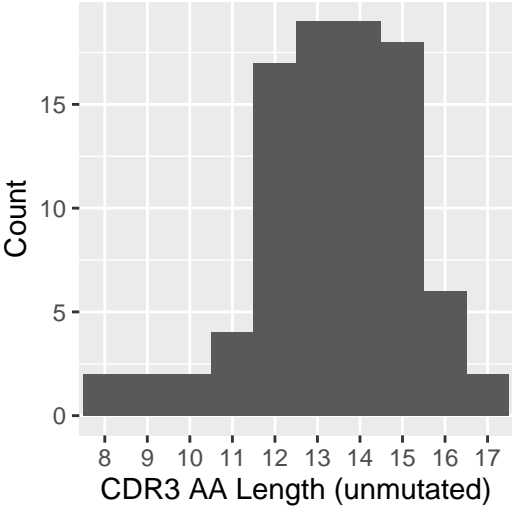


### TRBV29-1\*ap01

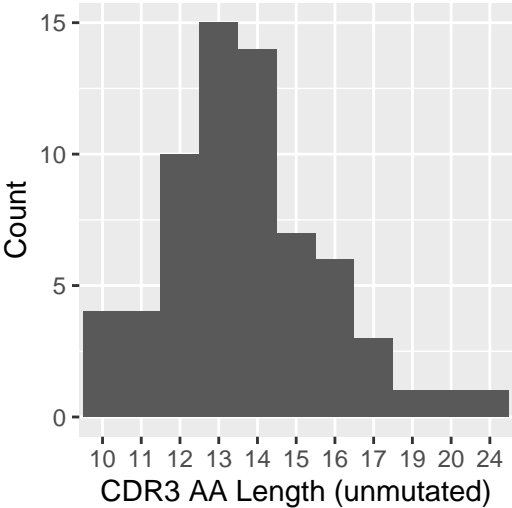
3479 sequences assigned  
3421 (98.3%) exact matches, in which:  
3319 unique CDR3  
13 unique J



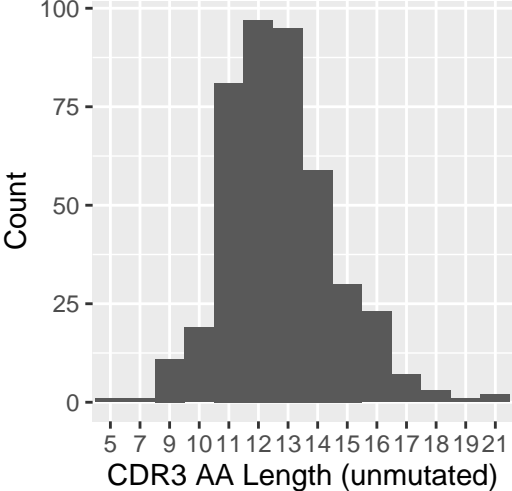
TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.