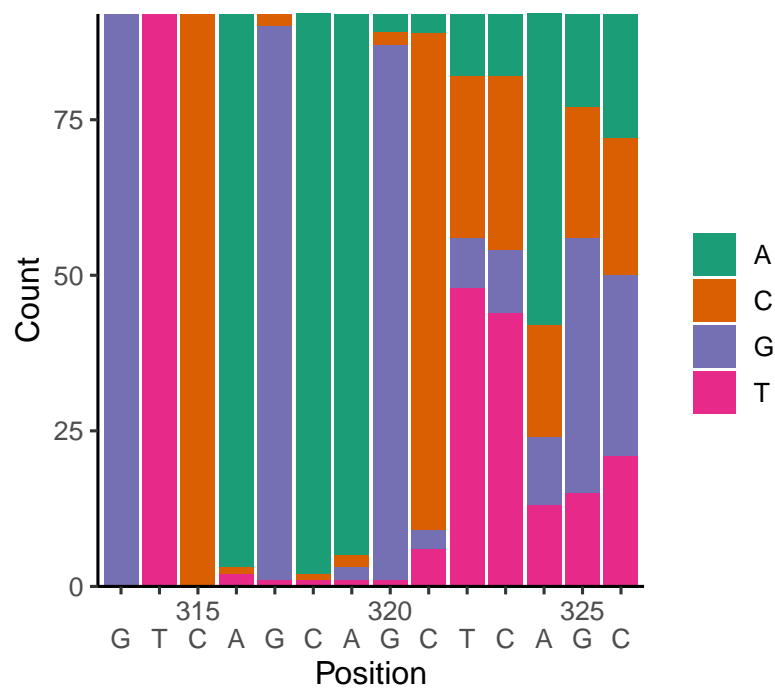
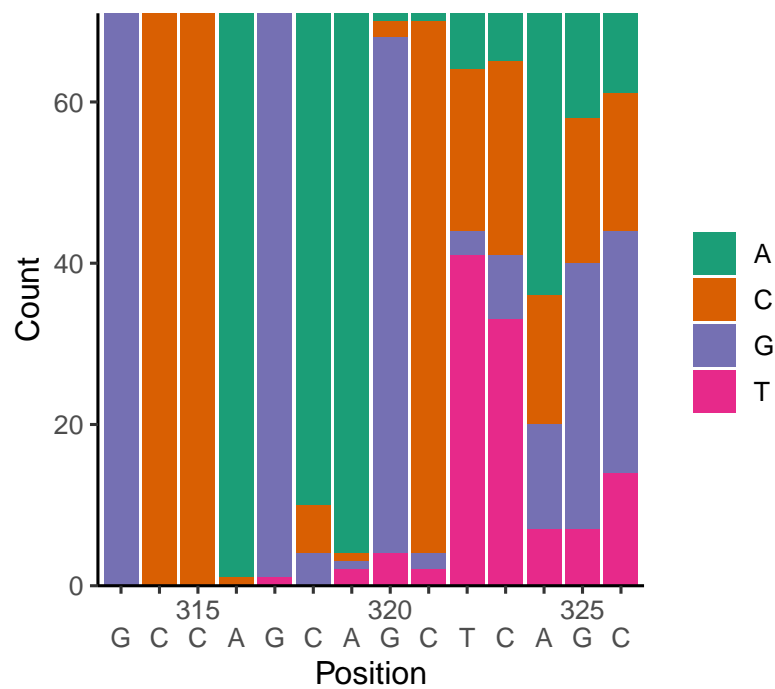


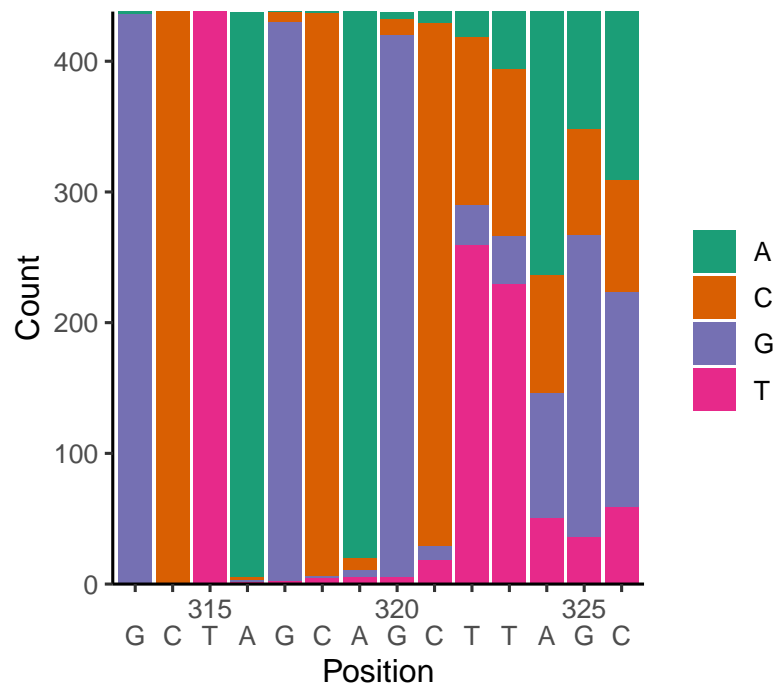
Gene TRBV7-1*ap01_G291C_T296C_C314T



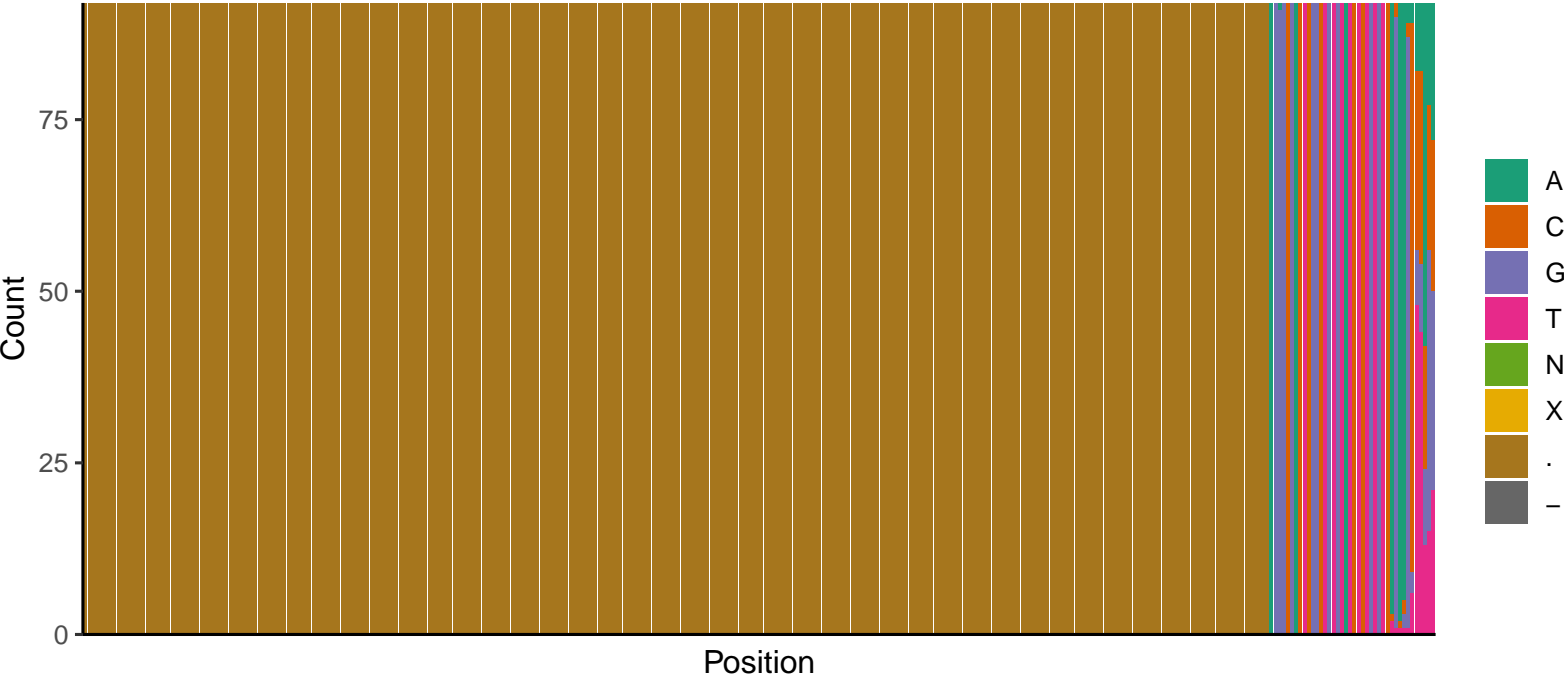
Gene TRBV7-1*ap01_G291C_T296C



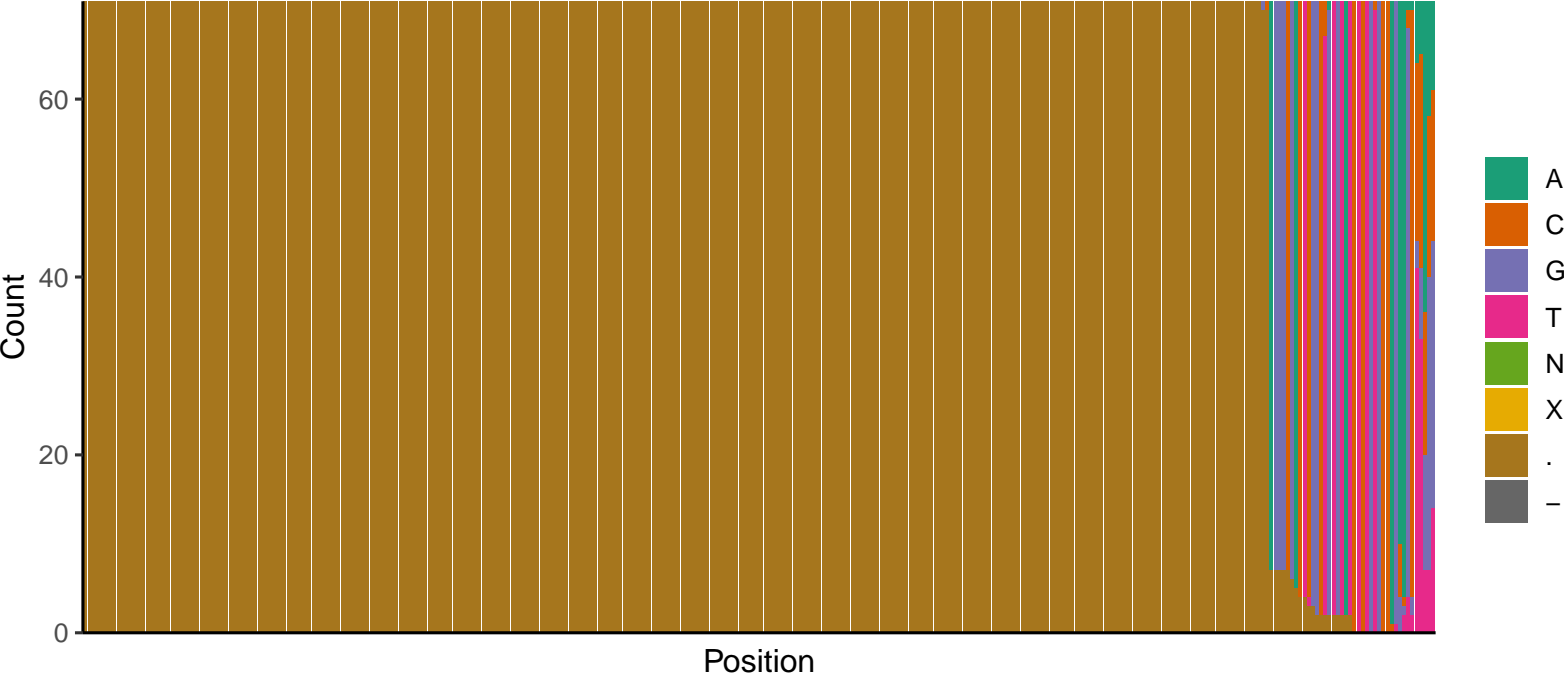
Gene TRBV7-7*ap01_C315T



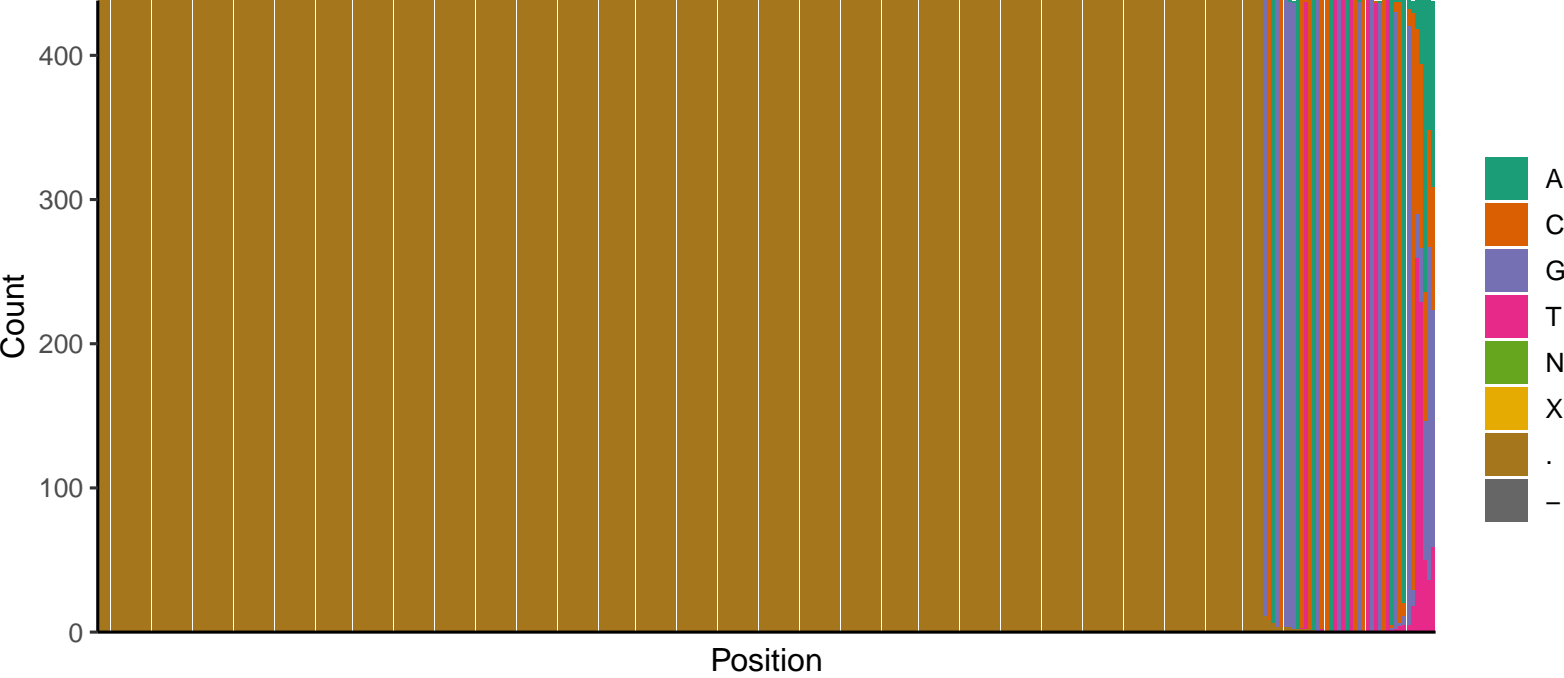
Gene TRBV7-1*ap01_G291C_T296C_C314T



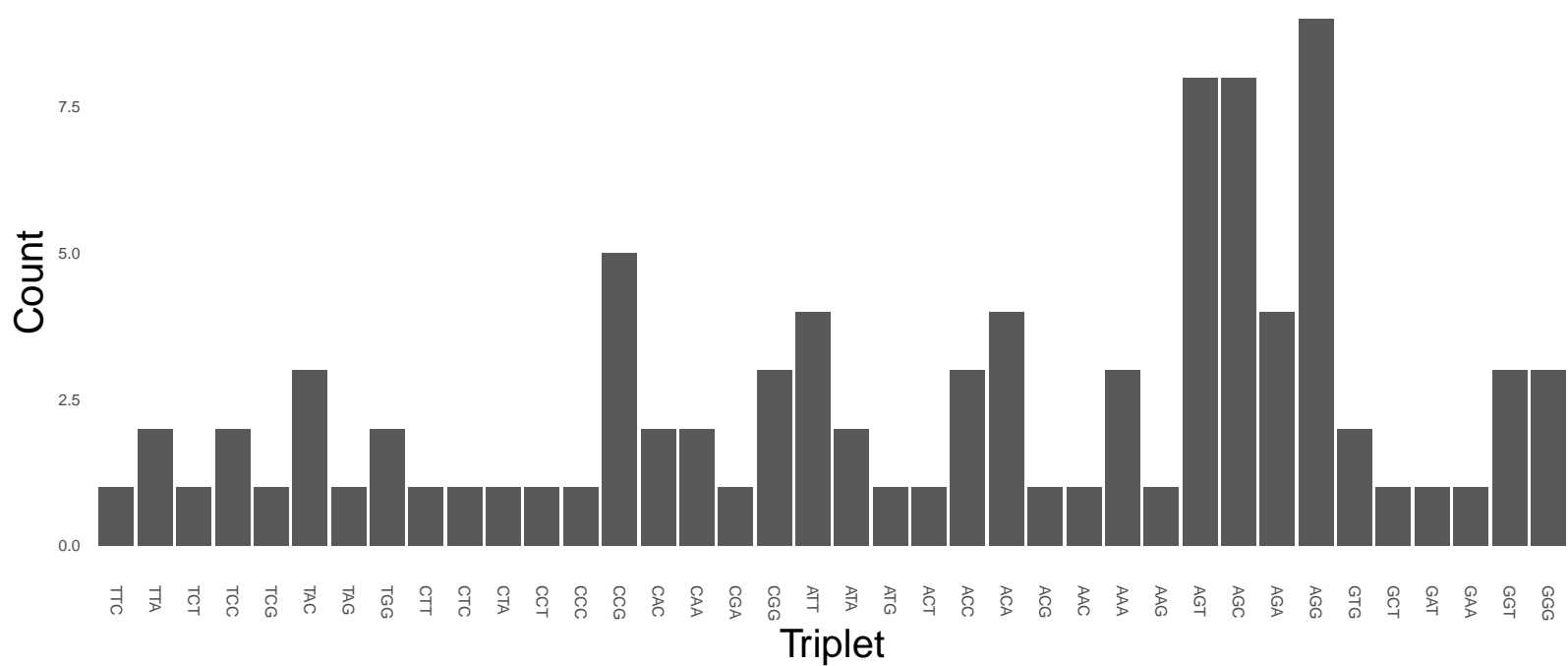
Gene TRBV7-1*ap01_G291C_T296C



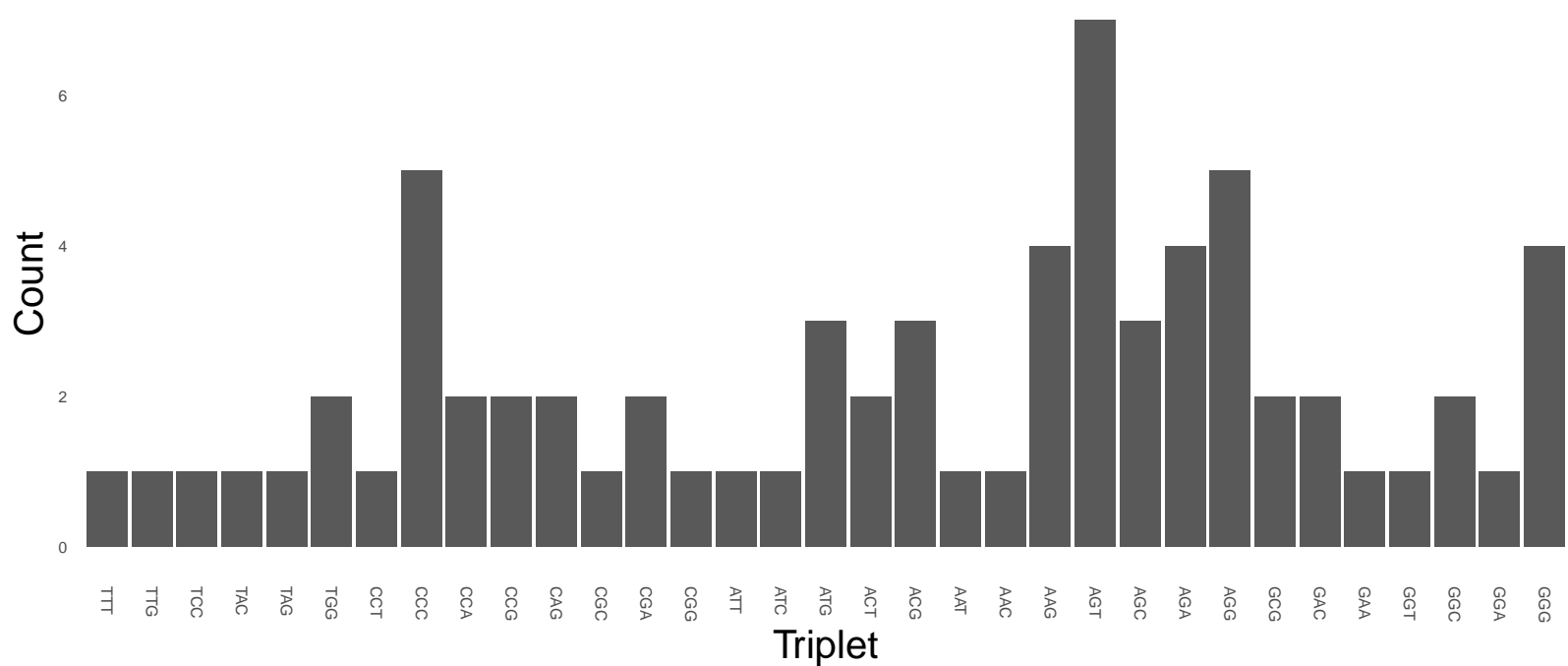
Gene TRBV7-7*ap01_C315T



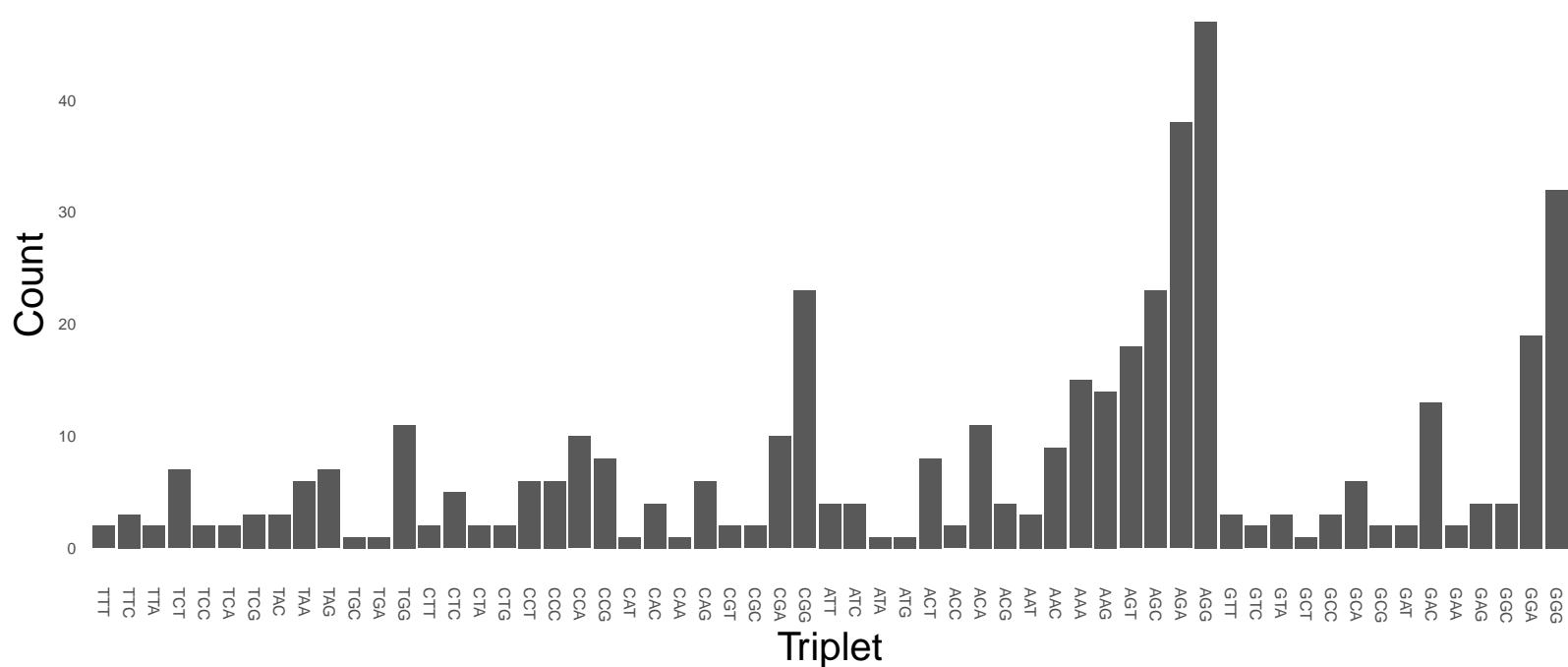
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

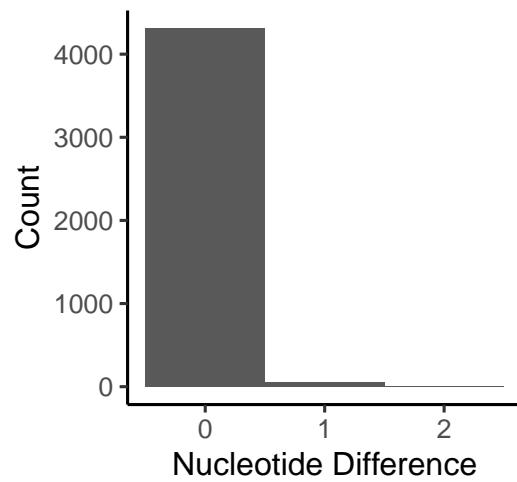


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



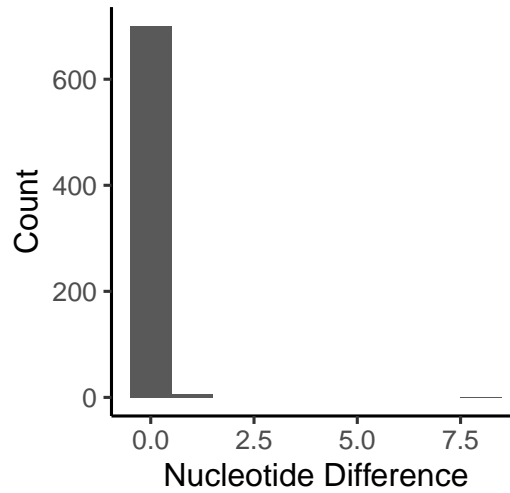
TRBV20-1*ap01

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



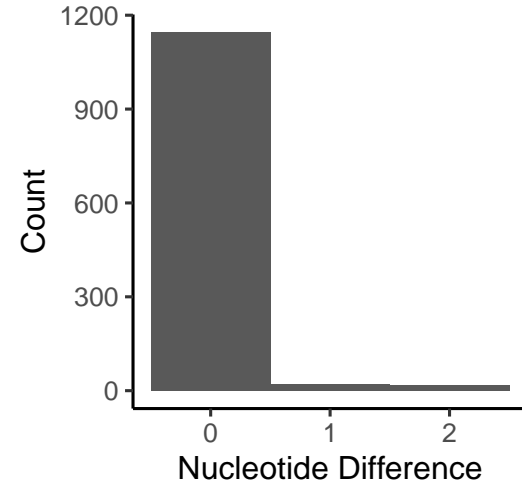
TRBV10-2*ap01

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



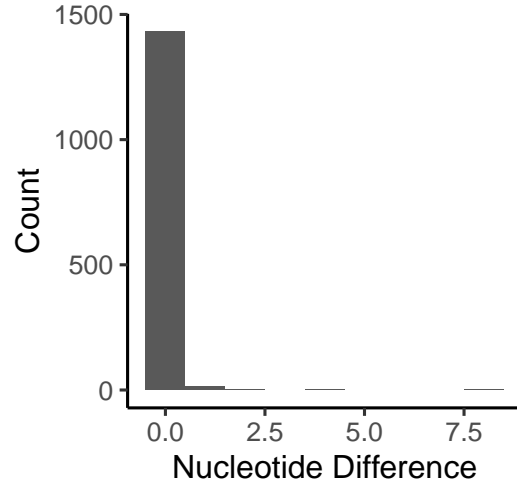
TRBV13*ap01

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



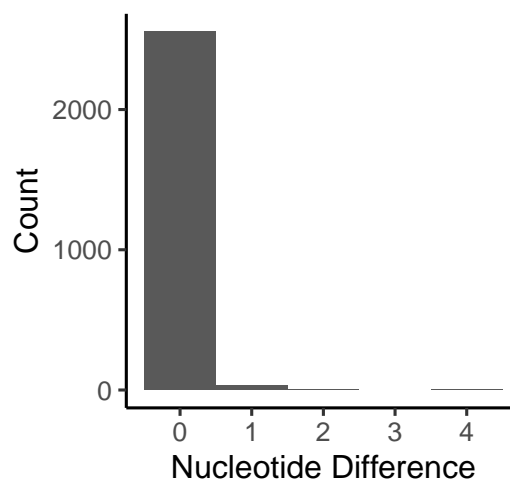
TRBV10-1*ap01

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



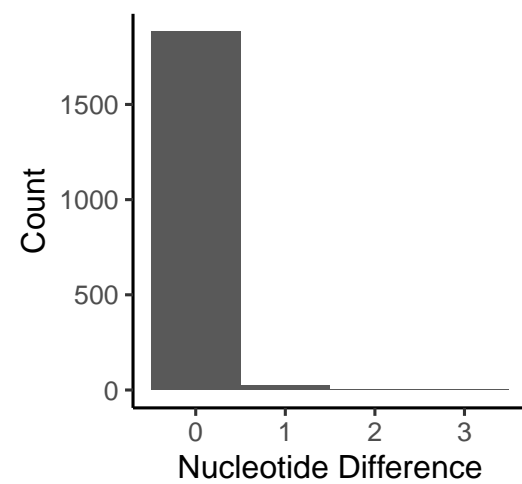
TRBV10-3*ap01

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



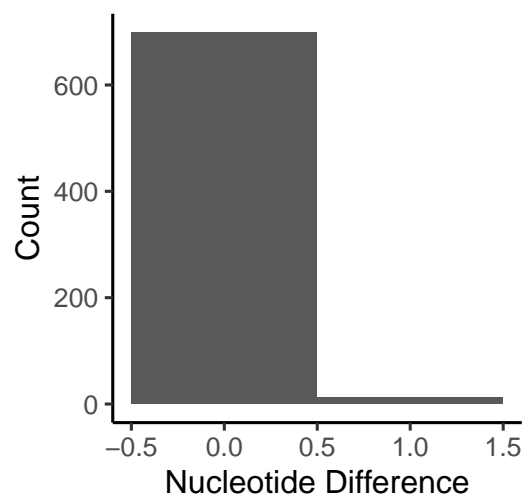
TRBV14*ap01

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



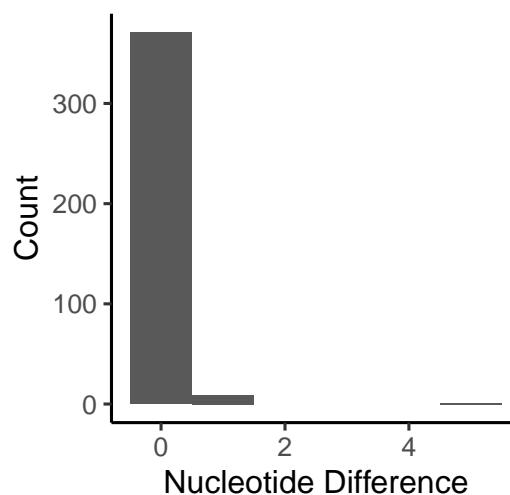
TRBV20-1*ap02

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



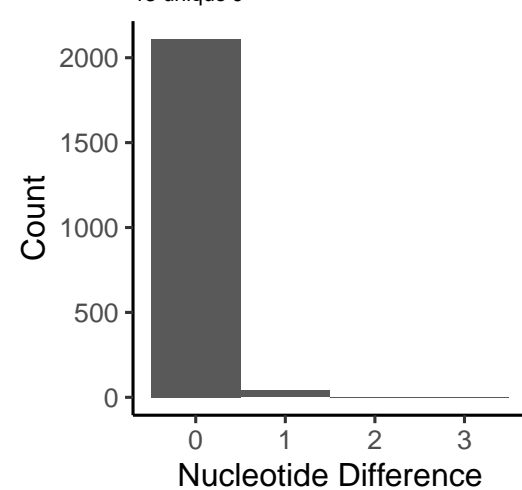
TRBV1*ap01

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



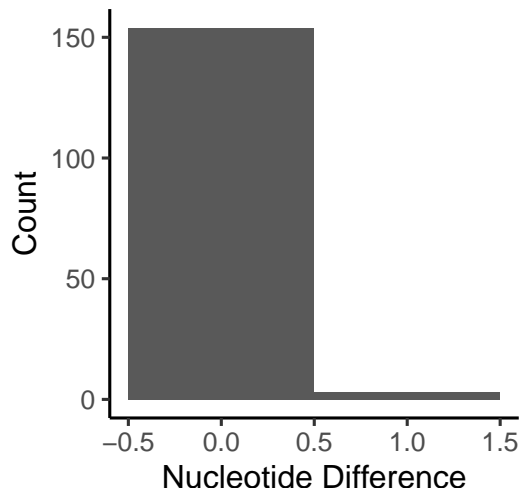
TRBV15*ap02

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



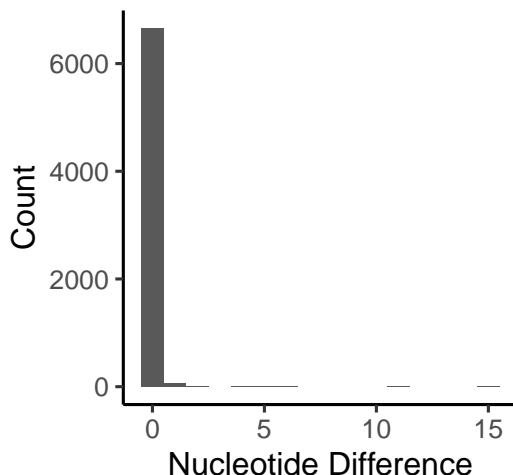
TRBV16*ap01

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



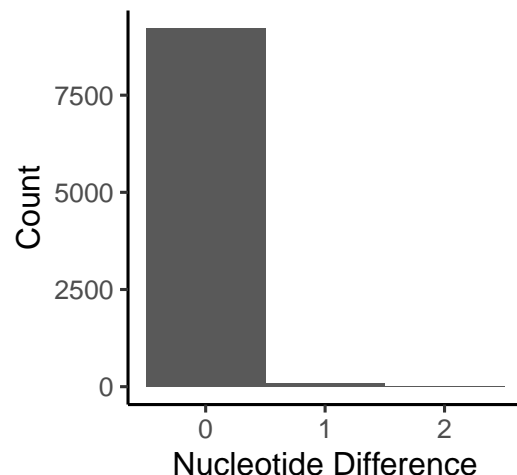
TRBV19*ap01

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



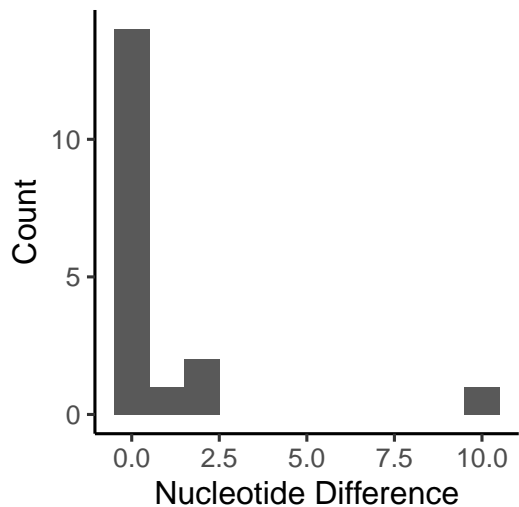
TRBV28*ap01

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



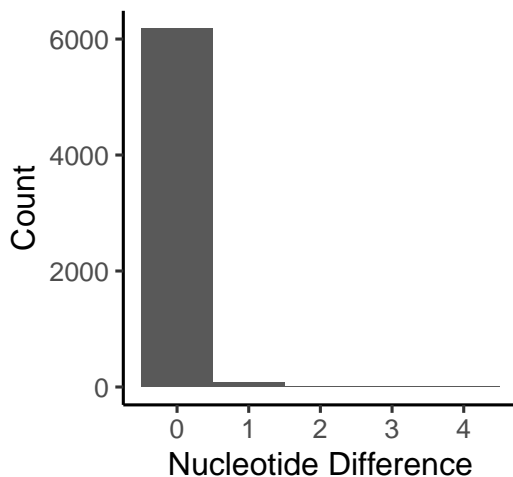
TRBV17*ap01

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



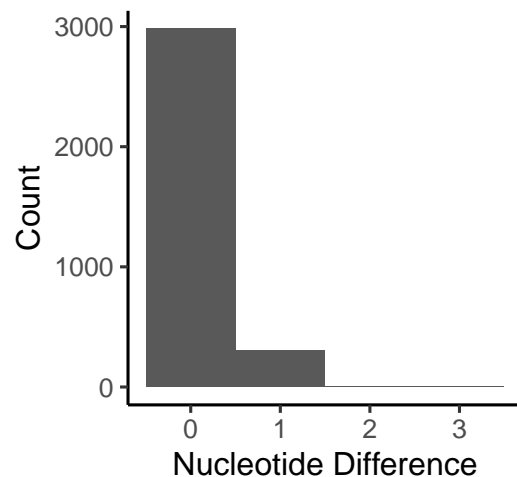
TRBV2*ap01

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



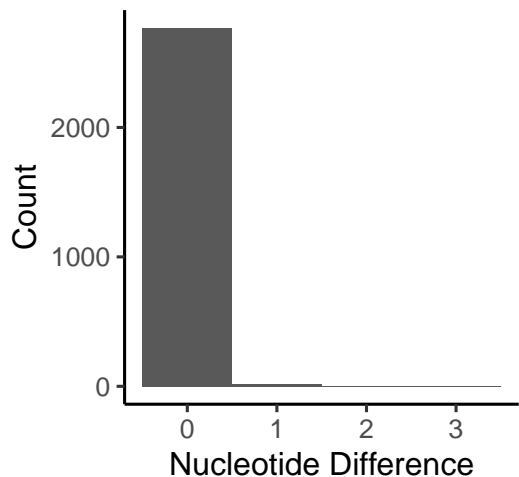
TRBV30*ap01

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



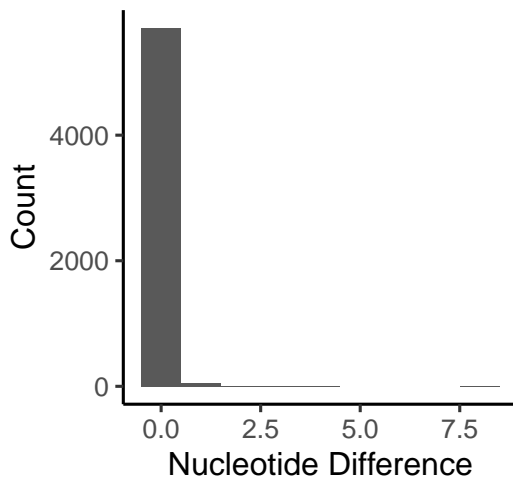
TRBV18*ap01

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



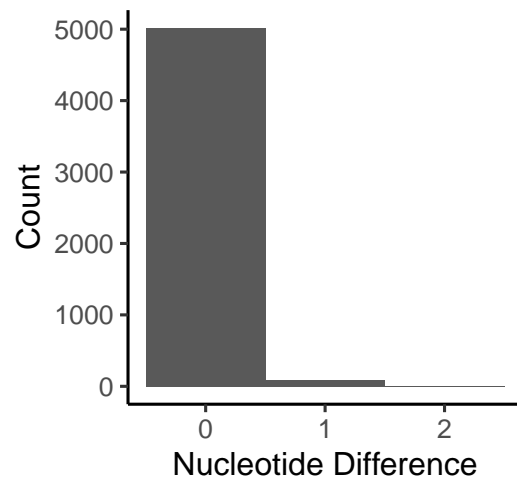
TRBV27*ap01

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



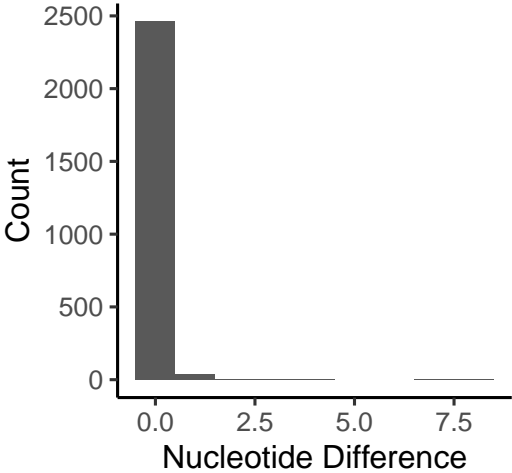
TRBV9*ap01

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



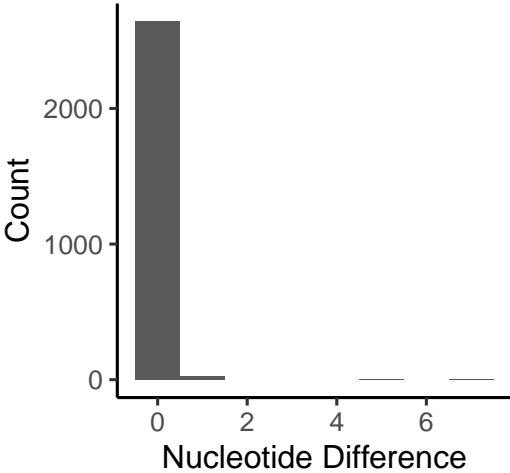
TRBV21-1*ap01

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



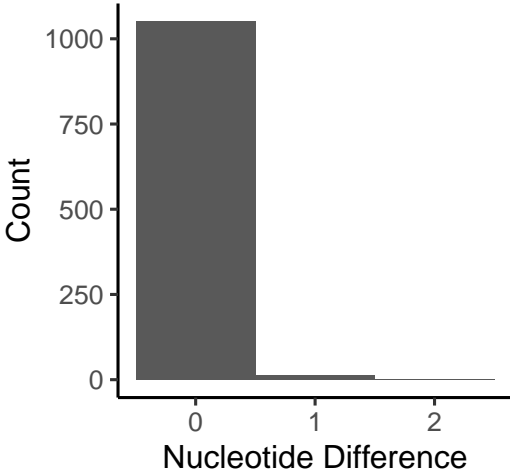
TRBV11-3*ap01

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



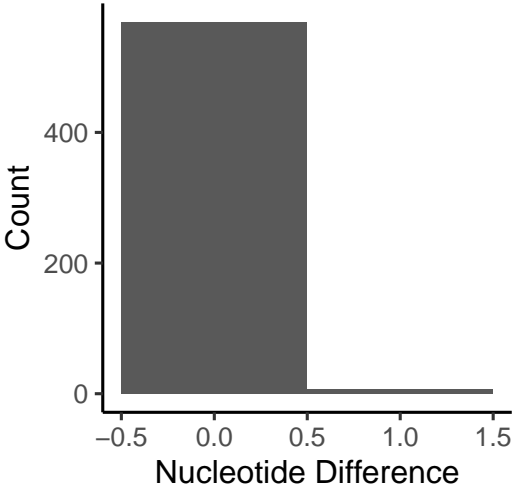
TRBV12-5*ap01

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



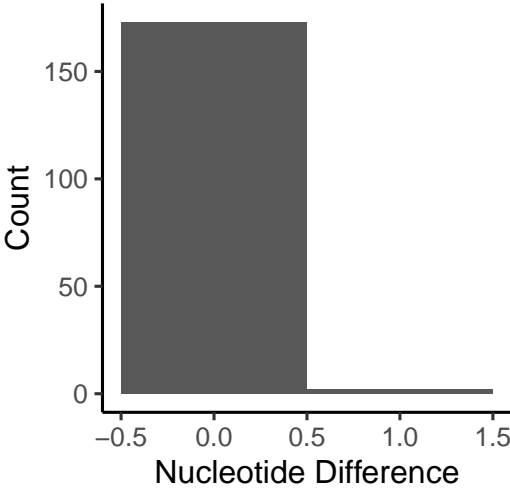
TRBV11-1*ap01

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



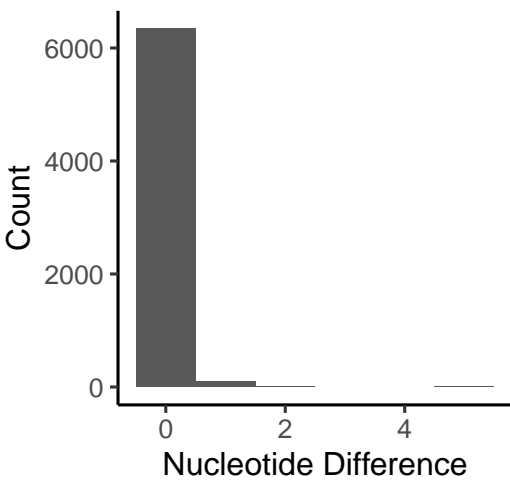
TRBV12-1*ap01

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



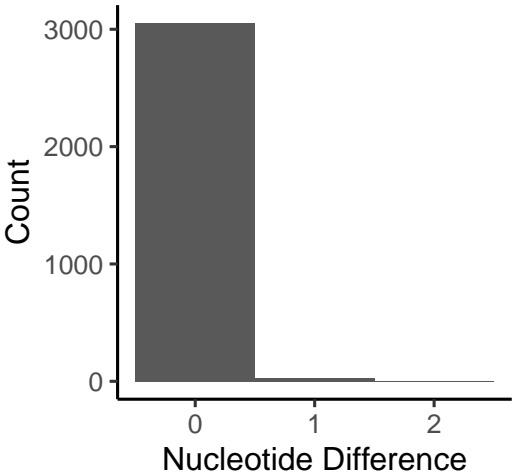
TRBV12-34*ap01

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



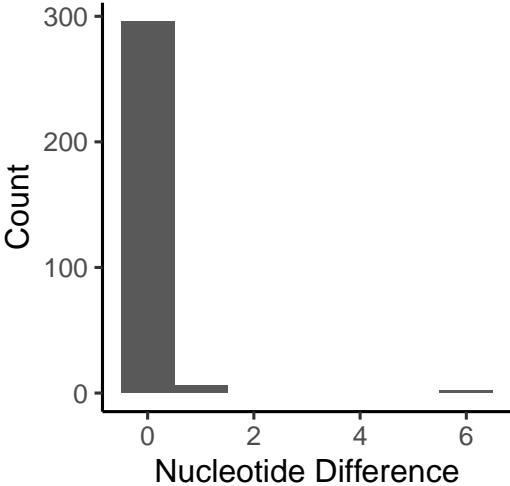
TRBV11-2*ap01

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



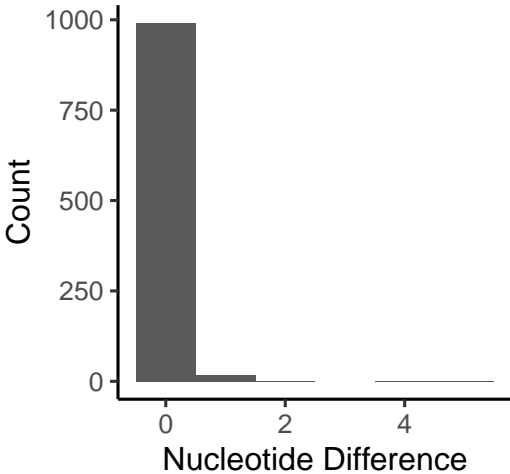
TRBV12-2*ap01

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



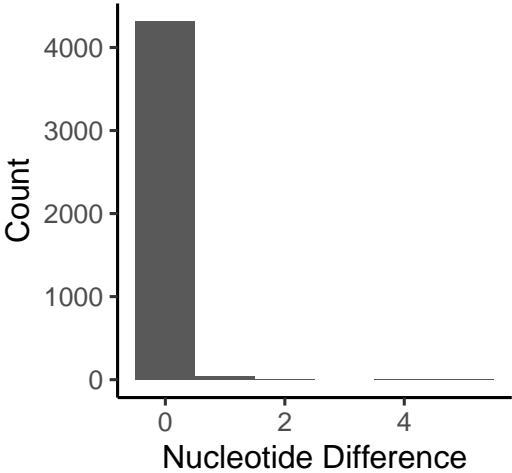
TRBV23-1*ap01

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



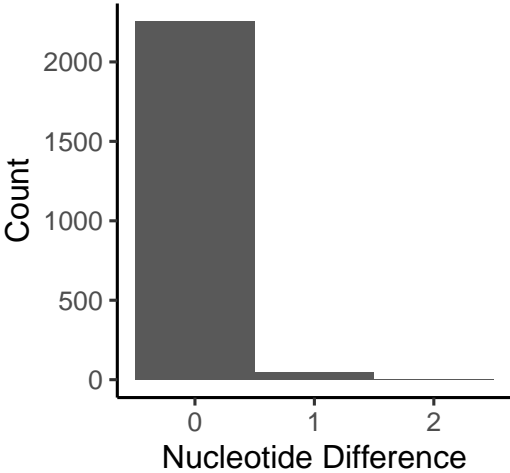
TRBV3-12*ap01

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



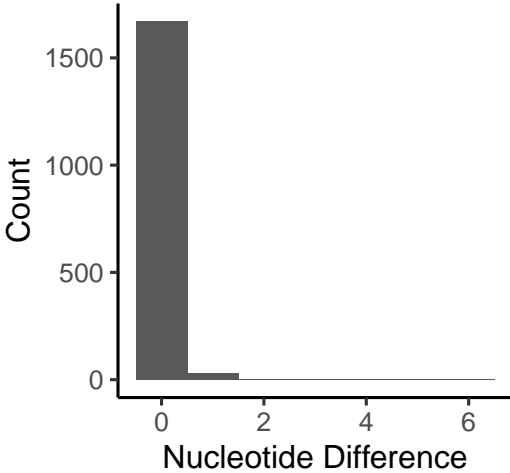
TRBV4-2*ap01

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



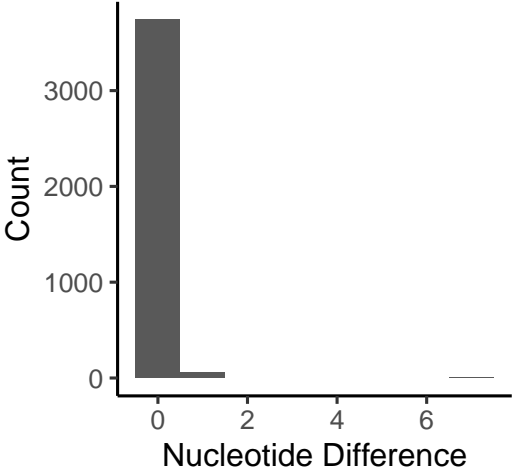
TRBV25-1*ap01

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



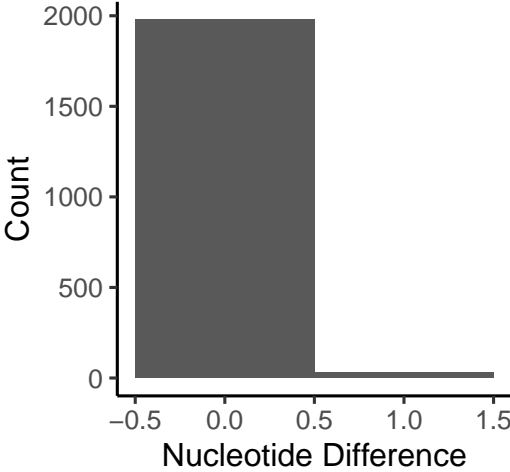
TRBV4-1*ap01

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



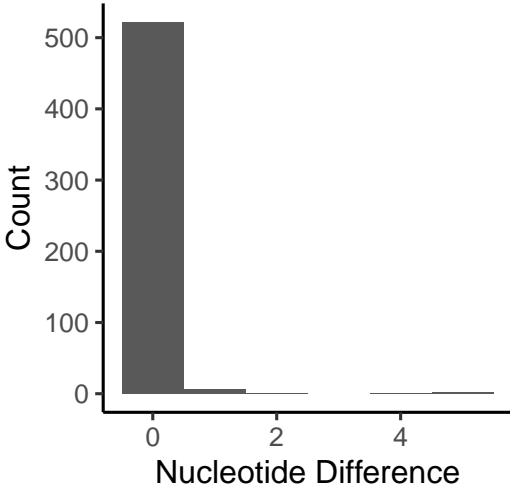
TRBV4-3*ap01

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



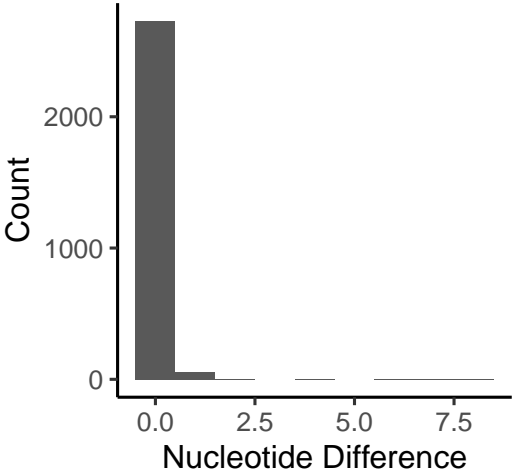
TRBV5-3*ap01

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



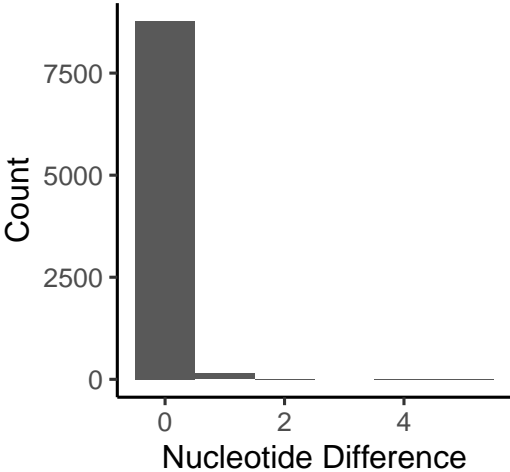
TRBV24-1*ap01

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



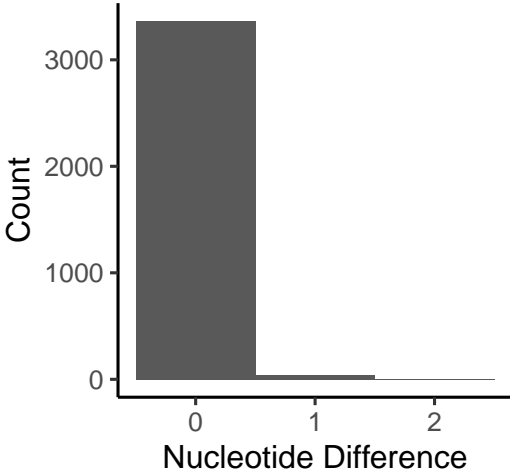
TRBV5-1*ap01

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



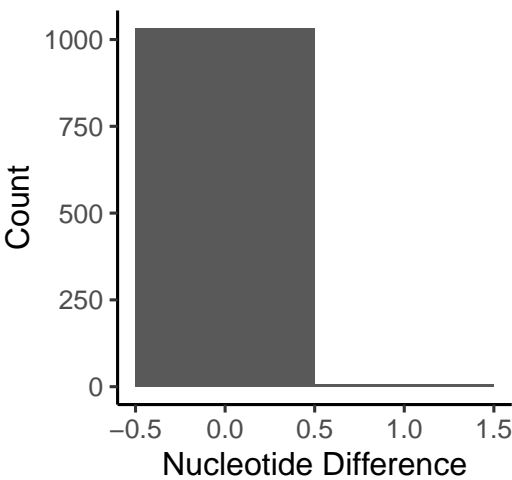
TRBV5-4*ap01

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



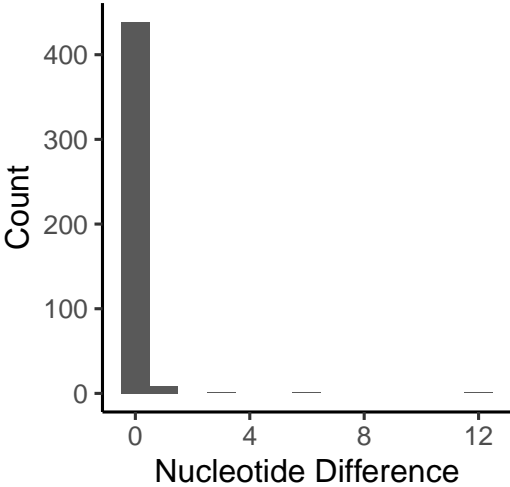
TRBV5-5*ap01

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



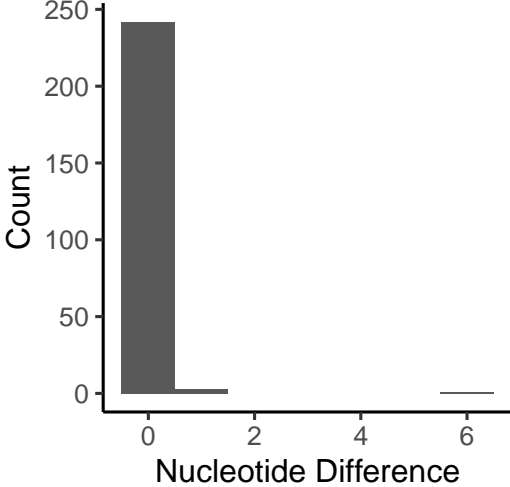
TRBV5-8*ap01

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



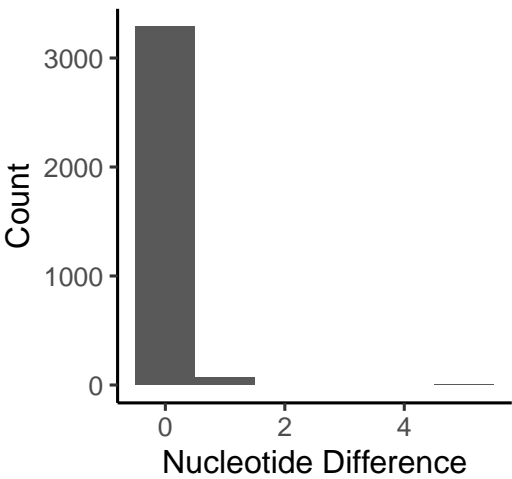
TRBV6-7*ap01

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



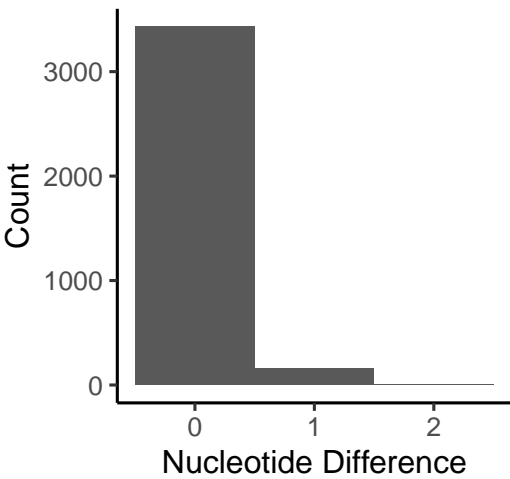
TRBV5-6*ap01

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



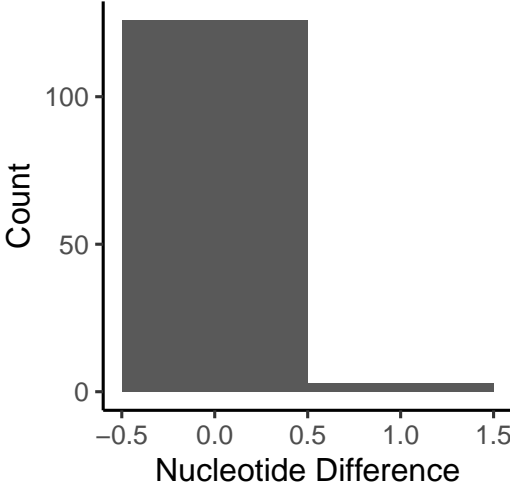
TRBV6-1*ap01

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



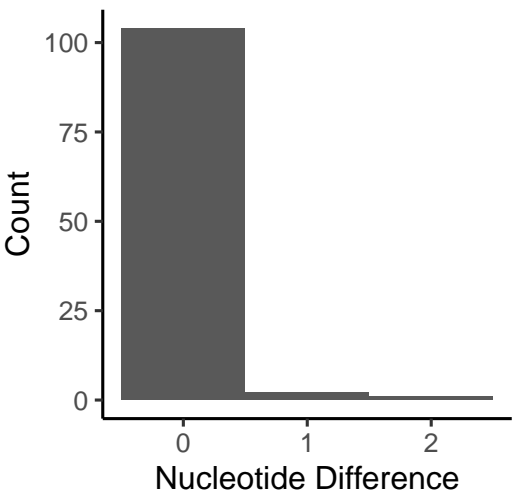
TRBV6-8*ap01

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



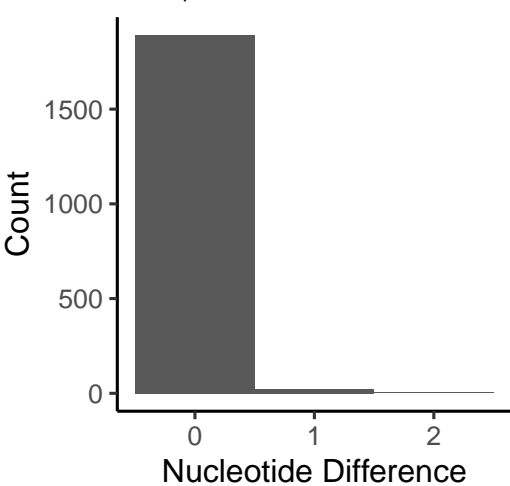
TRBV5-7*ap01

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



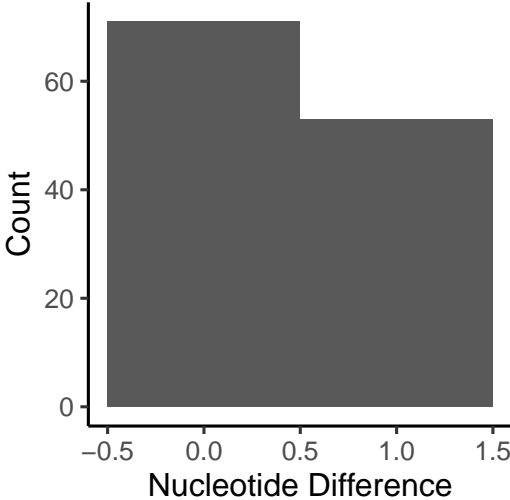
TRBV6-4*ap01

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



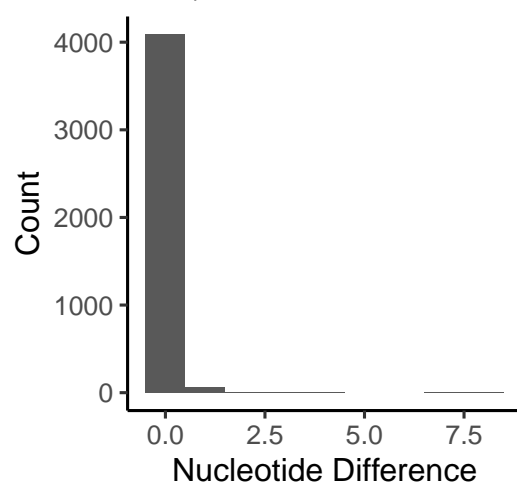
TRBV6-9*ap01

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



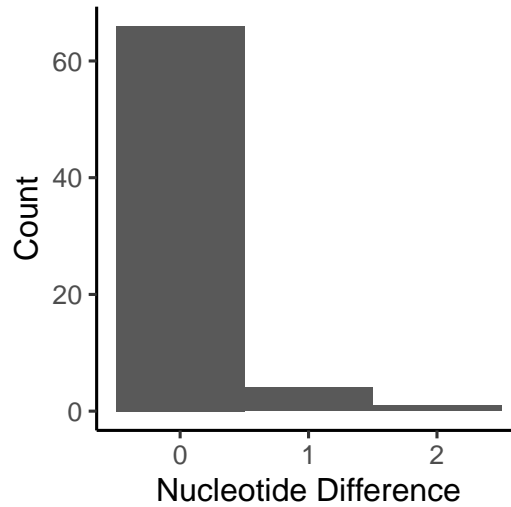
TRBV6-23*ap01

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



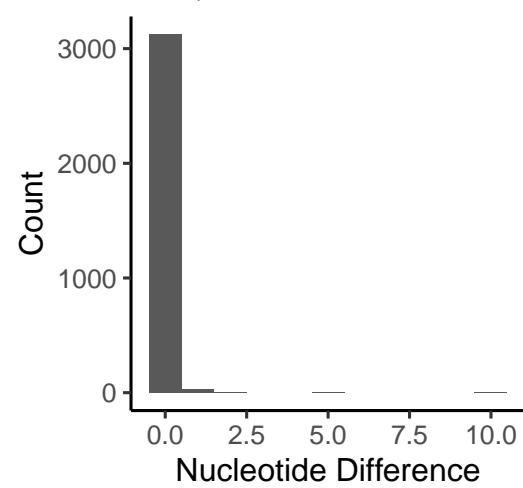
TRBV7-1*ap01_G291C_T

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



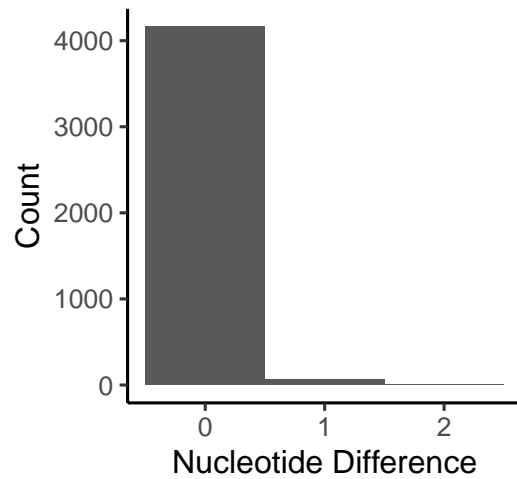
TRBV7-3*ap01

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



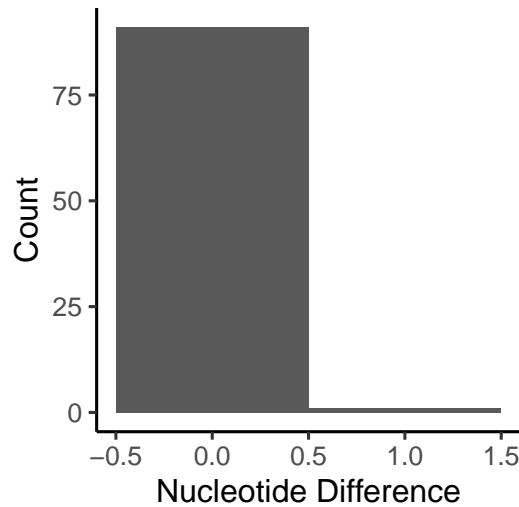
TRBV6-56*ap01

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



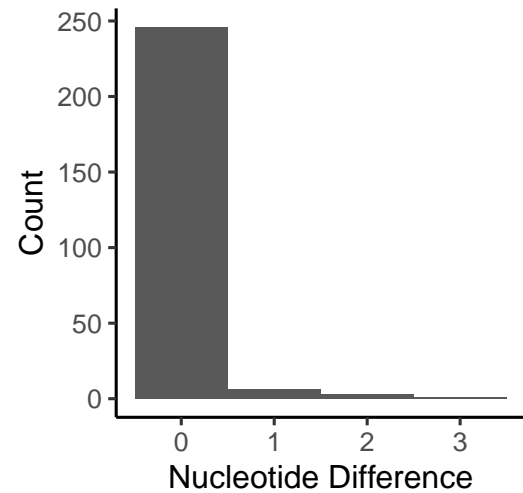
TRBV7-1*ap01_G291C_T

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



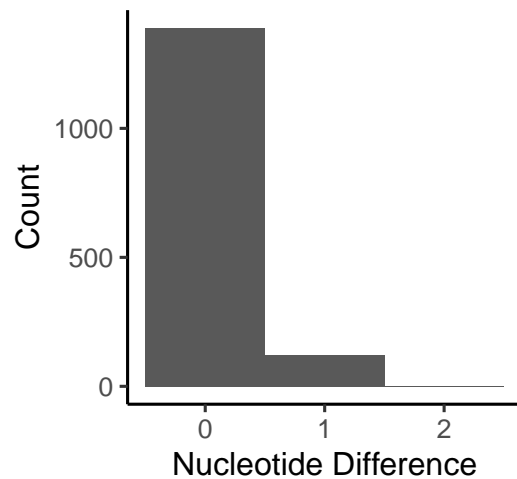
TRBV7-4*ap01

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



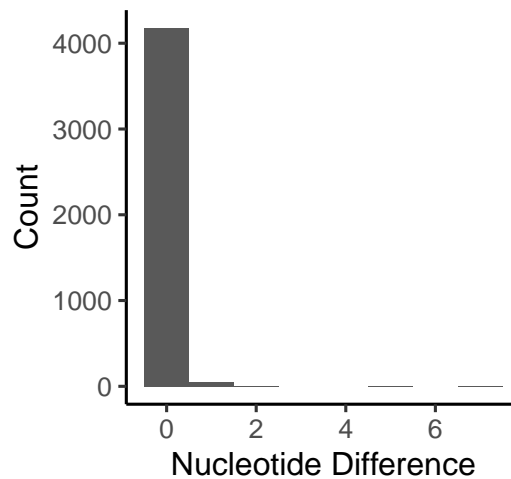
TRBV6-56*ap02

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



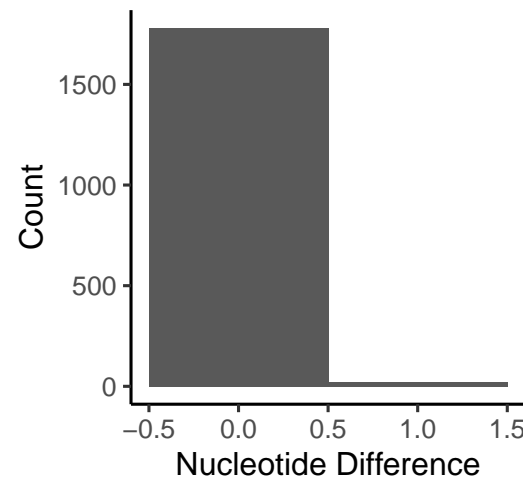
TRBV7-2*ap01

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



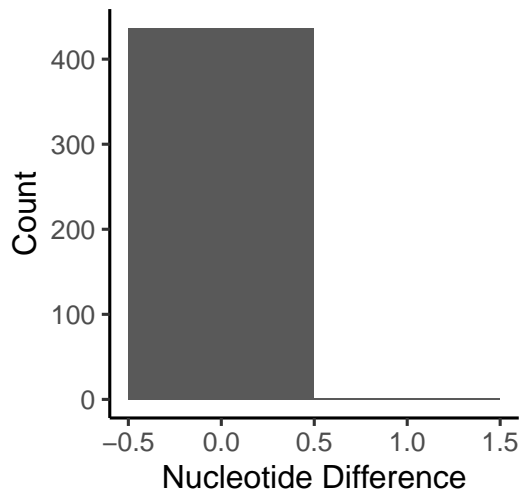
TRBV7-6*ap01

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



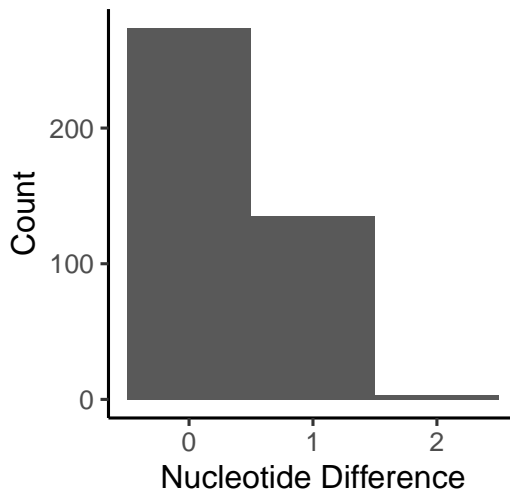
TRBV7-7*ap01

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



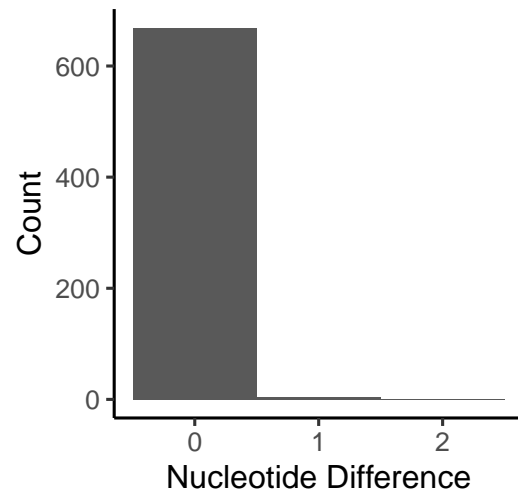
TRBV7-8*ap03

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



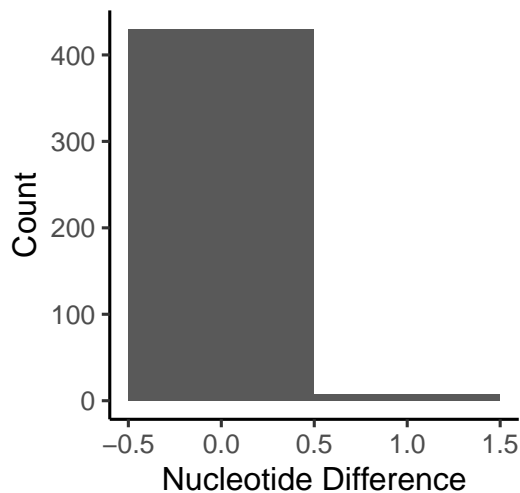
TRBV29-1*ap02

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



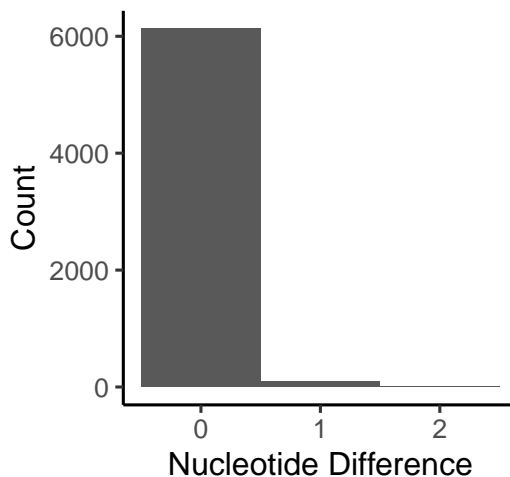
TRBV7-7*ap01_C315T

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



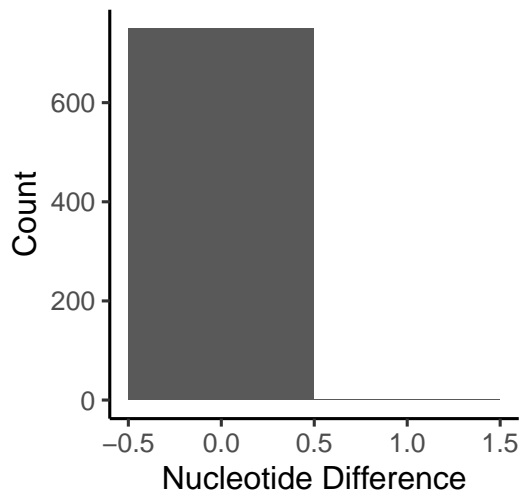
TRBV7-9*ap01

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



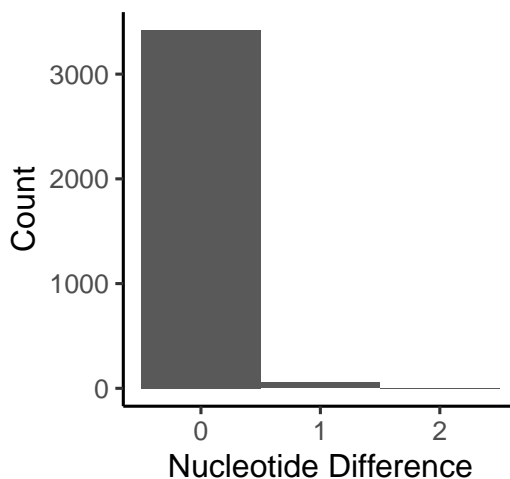
TRBV7-8*ap01

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

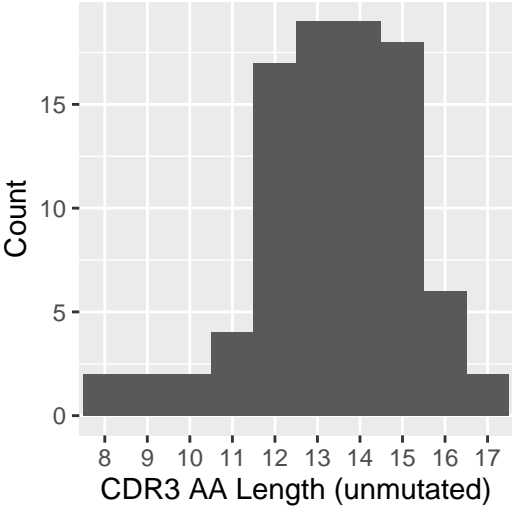


TRBV29-1*ap01

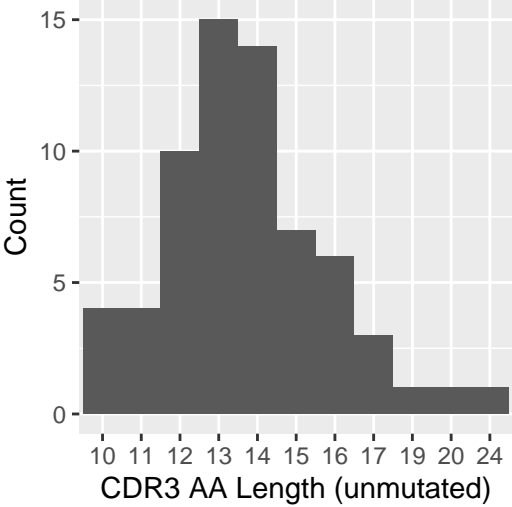
3479 sequences assigned
3421 (98.3%) exact matches, in which:
3319 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

