

CFU assay, single colony  
Continuos scale data (Ab=N)

Separated into WT, mono, biall using 25% and 75% threshold -  
fifelse(x < 25, 0, fifelse(x < 75, 1, 2))

```
> locus_table      GTest(observed_counts, p =
, , LocusC =      expected_probs)
0                Log likelihood ratio (G-
      LocusB      test) goodness of fit test
LocusA 0 1 2      data:  observed_counts
      0 2 3 0      G = 43.506, X-squared df = 26, p-
      1 0 2 0      value = 0.01707
      2 0 0 2
, , LocusC =
1
      LocusB
LocusA 0 1 2
      0 0 0 0
      1 0 4 2
      2 0 2 5
, , LocusC =
2
      LocusB
LocusA 0 1 2
      0 0 0 0
      1 1 0 4
      2 0 3 6
```

WT, Mono and Biallelic editing at the 3 loci are not  
independent

|                  | expected_probs | expected_counts | observed_counts |
|------------------|----------------|-----------------|-----------------|
| L1_0__L2_0__L3_0 | 0.002893519    | 0.1041667       | 2               |
| L1_1__L2_0__L3_0 | 0.007523148    | 0.2708333       | 0               |
| L1_2__L2_0__L3_0 | 0.010416667    | 0.375           | 0               |
| L1_0__L2_1__L3_0 | 0.013503086    | 0.4861111       | 3               |
| L1_1__L2_1__L3_0 | 0.035108025    | 1.2638889       | 2               |
| L1_2__L2_1__L3_0 | 0.048611111    | 1.75            | 0               |
| L1_0__L2_2__L3_0 | 0.018325617    | 0.6597222       | 0               |
| L1_1__L2_2__L3_0 | 0.047646605    | 1.7152778       | 0               |
| L1_2__L2_2__L3_0 | 0.065972222    | 2.375           | 2               |
| L1_0__L2_0__L3_1 | 0.004179527    | 0.150463        | 0               |
| L1_1__L2_0__L3_1 | 0.01086677     | 0.3912037       | 0               |
| L1_2__L2_0__L3_1 | 0.015046296    | 0.5416667       | 0               |
| L1_0__L2_1__L3_1 | 0.019504458    | 0.7021605       | 0               |
| L1_1__L2_1__L3_1 | 0.050711591    | 1.8256173       | 4               |
| L1_2__L2_1__L3_1 | 0.070216049    | 2.5277778       | 2               |
| L1_0__L2_2__L3_1 | 0.026470336    | 0.9529321       | 0               |
| L1_1__L2_2__L3_1 | 0.068822874    | 2.4776235       | 2               |
| L1_2__L2_2__L3_1 | 0.09529321     | 3.4305556       | 5               |
| L1_0__L2_0__L3_2 | 0.004501029    | 0.162037        | 0               |
| L1_1__L2_0__L3_2 | 0.011702675    | 0.4212963       | 1               |
| L1_2__L2_0__L3_2 | 0.016203704    | 0.5833333       | 0               |
| L1_0__L2_1__L3_2 | 0.021004801    | 0.7561728       | 0               |
| L1_1__L2_1__L3_2 | 0.054612483    | 1.9660494       | 0               |
| L1_2__L2_1__L3_2 | 0.075617284    | 2.7222222       | 3               |
| L1_0__L2_2__L3_2 | 0.028506516    | 1.0262346       | 0               |
| L1_1__L2_2__L3_2 | 0.074116941    | 2.6682099       | 4               |
| L1_2__L2_2__L3_2 | 0.102623457    | 3.6944444       | 6               |