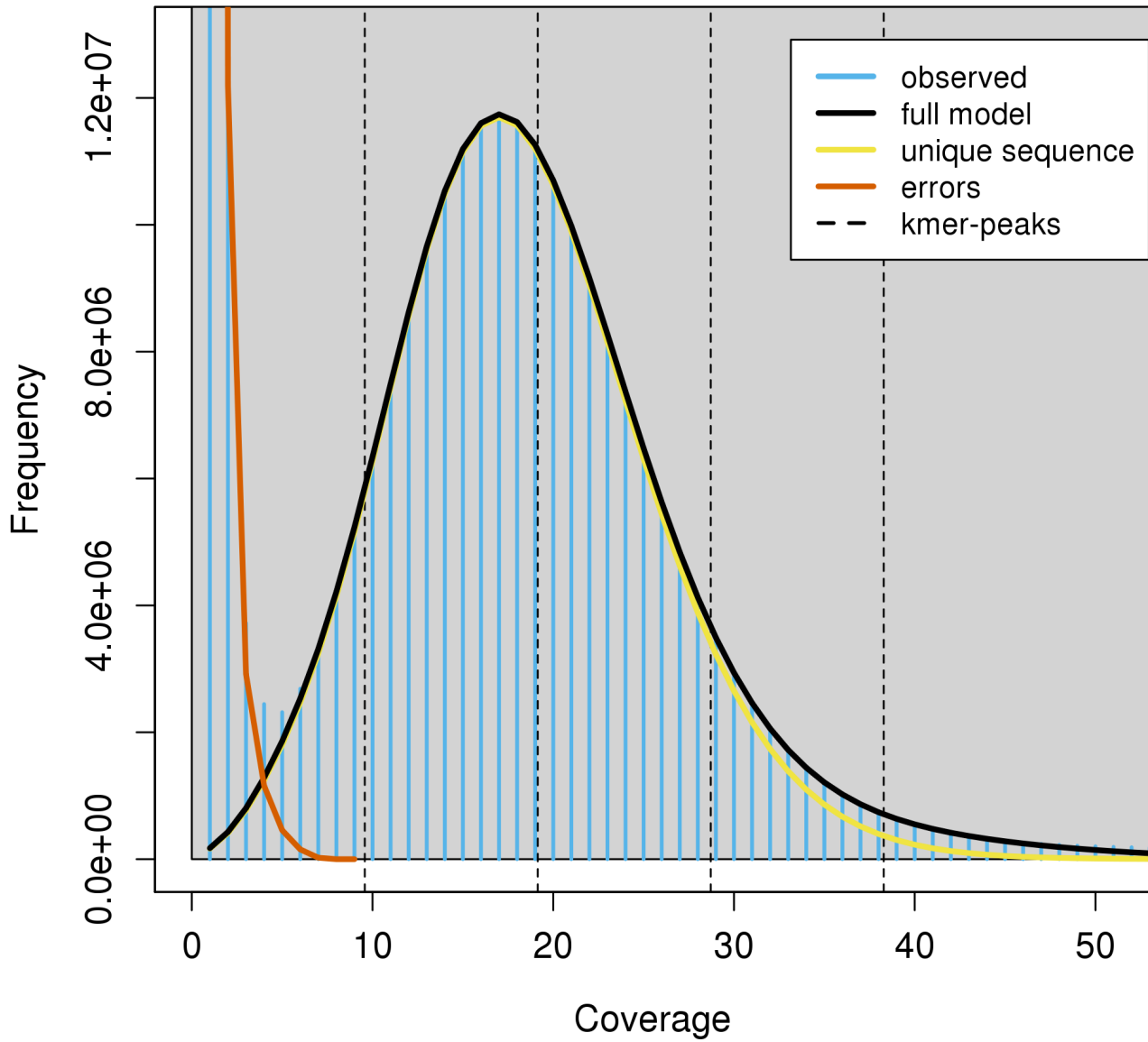KG_A.japonica_km21

GenomeScope Profile
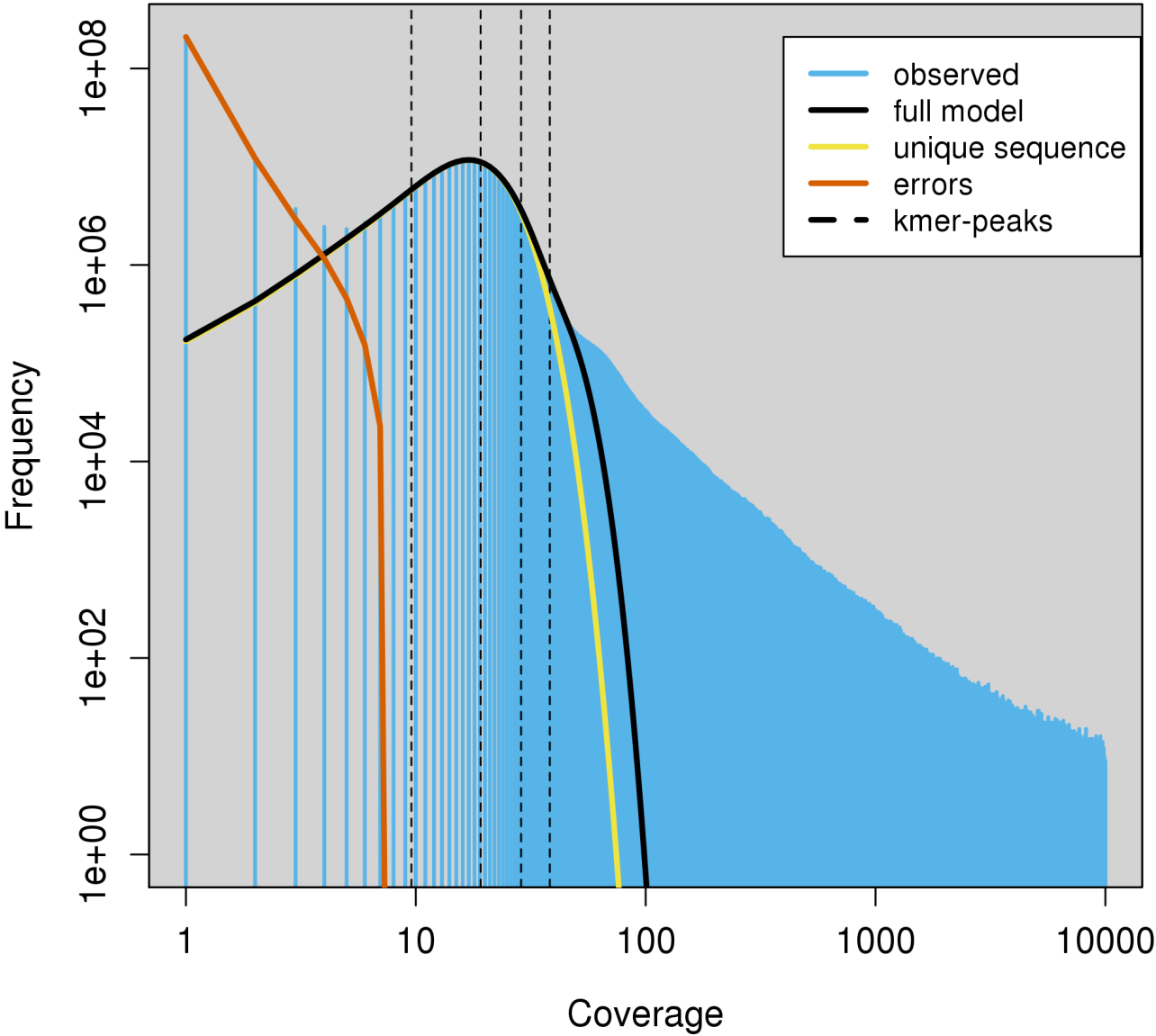**len:297,054,563bp uniq:64.3% het:0.234% kcov:9.57 err:0.207% dup:1.27% k:21**

(user_data/YEToEy1Ua6wGEoltPXy3/plot.png)

GenomeScope Profile
len:297,054,563bp uniq:64.3% het:0.234% kcov:9.57 err:0.207% dup:1.27% k:21

(user_data/YEToEy1Ua6wGEoItPXy3/plot.log.png)

Results

```
GenomeScope version 1.0
k = 21

property                   min              max
Heterozygosity             0.228837%        0.238239%
Genome Haploid Length      296,809,339 bp   297,054,563 bp
Genome Repeat Length       105,917,761 bp   106,005,271 bp
Genome Unique Length       190,891,577 bp   191,049,292 bp
Model Fit                  96.3852%         99.706%
Read Error Rate            0.20715%         0.20715%
```

Model

```
Formula: y ~ (((2 * (1 - d) * (1 - (1 - r)^k)) + (2 * d *
r)^k)^2) +
      (2 * d * ((1 - r)^k) * (1 - (1 - r)^k))) * dnbinom(x,
kmercov/bias,
      mu = kmercov) * length + (((1 - d) * ((1 - r)^k)) + (
      (1 - (1 - r)^k)^2)) * dnbinom(x, size = kmercov * 2/bi
      mu = kmercov * 2) * length + (2 * d * ((1 - r)^k) * (
      (1 - r)^k)) * dnbinom(x, size = kmercov * 3/bias, mu :
      3) * length + (d * (1 - r)^(2 * k)) * dnbinom(x, size
      4/bias, mu = kmercov * 4) * length)

Parameters:
         Estimate Std. Error t value Pr(>|t|)
d       4.209e-02  3.031e-04  138.86   <2e-16 ***
r       2.335e-03  2.350e-05   99.37   <2e-16 ***
kmercov 9.571e+00  1.976e-03 4843.43   <2e-16 ***
bias    1.272e+00  3.243e-03  392.09   <2e-16 ***
length  1.993e+08  5.452e+04 3656.08   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1

Residual standard error: 6207 on 9977 degrees of freedom

Number of iterations to convergence: 7
Achieved convergence tolerance: 9.519e-06
```

View analysis later

Return to view your results at any time:

http://genomescope.org/analysis.php?code=YEToEy1Ua6wGEoItPXy3

Progress

starting

round 0 trimming to 5 trying 4peak model... converged. score: 427906342532.956

round 1 trimming to 10 trying 4peak model... converged. score: 385175958999.953

round 2 trimming to 15 trying 4peak model... converged. score: 1583023569428.89

round 3 trimming to 20 trying 4peak model... converged. score: 140094633475759

done