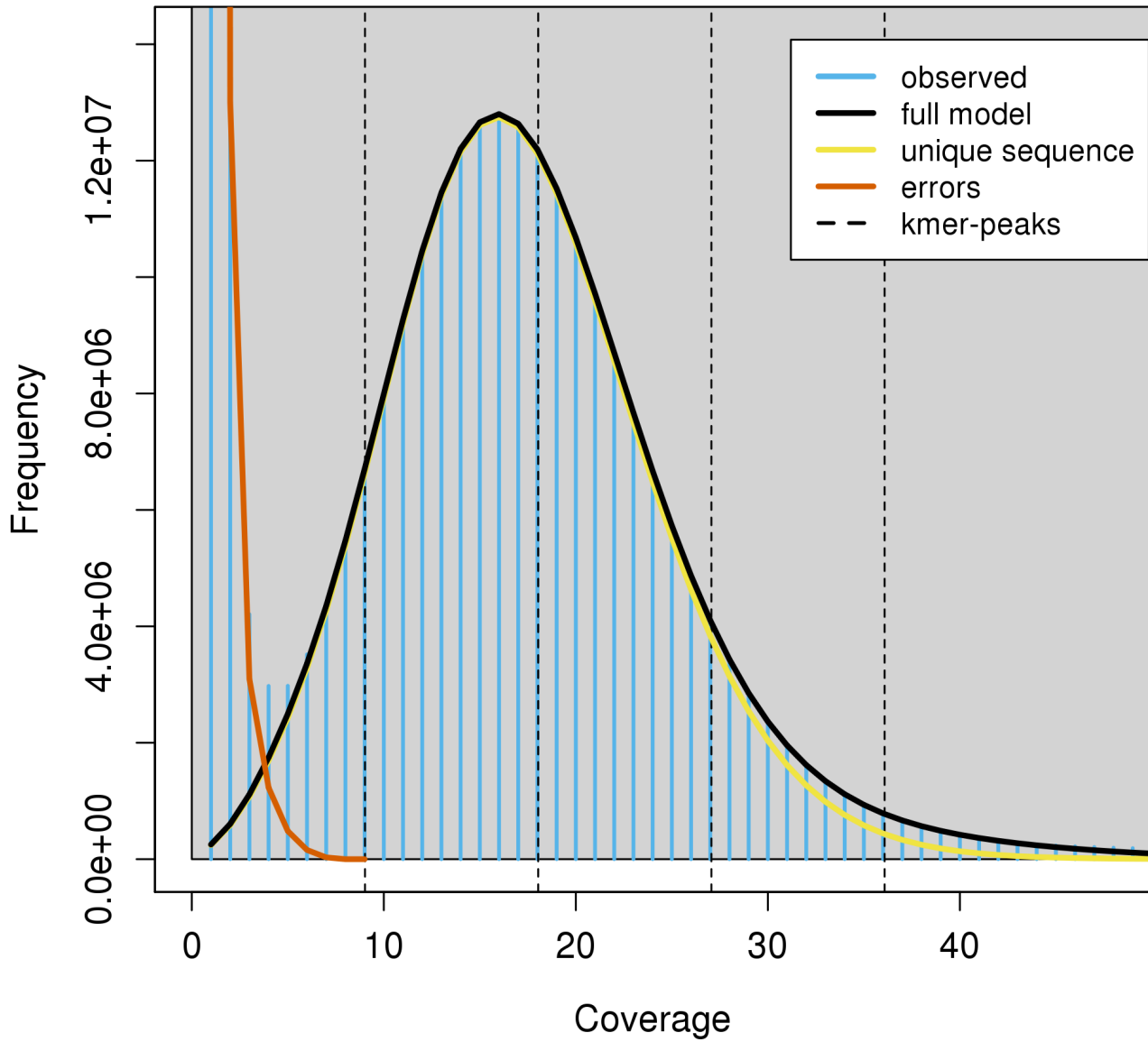


KG_A.japonica_km25

GenomeScope Profile

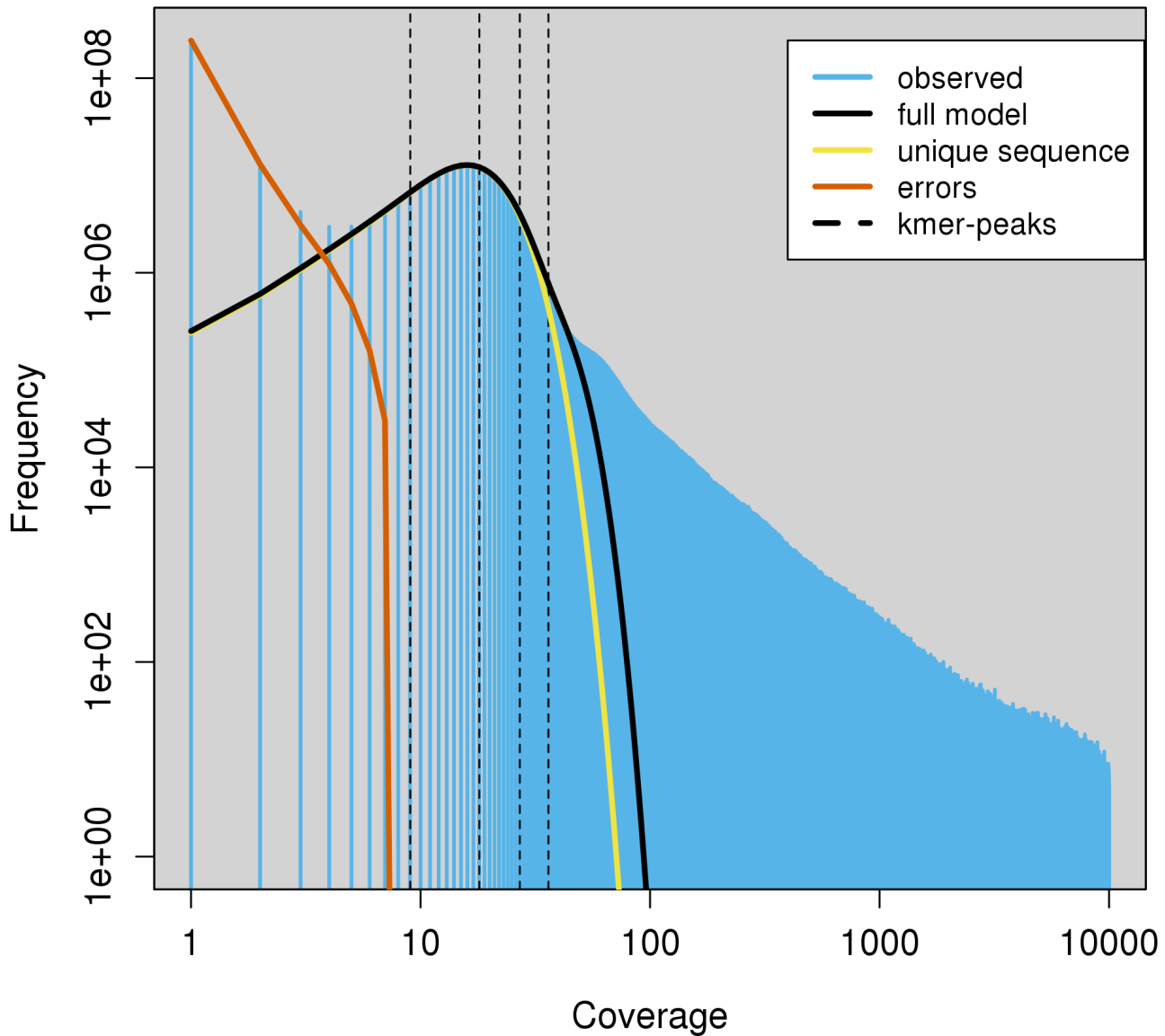
len:304,822,358bp uniq:65.3% het:0.216% kcov:9.02 err:0.201% dup:1.21% k:25



(user_data/2D1ddJYYReIOUKGS8UCy/plot.png)

GenomeScope Profile

len:304,822,358bp uniq:65.3% het:0.216% kcov:9.02 err:0.201% dup:1.21% k:25



(user_data/2D1ddJYYReIOUKGS8UCy/plot.log.png)

Results

GenomeScope version 1.0
k = 25

property	min	max
Heterozygosity	0.212846%	0.219488%
Genome Haploid Length	304,596,365 bp	304,822,358 bp
Genome Repeat Length	105,583,098 bp	105,661,435 bp
Genome Unique Length	199,013,266 bp	199,160,923 bp
Model Fit	96.6335%	99.7219%
Read Error Rate	0.201071%	0.201071%

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/b
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	3.934e-02	2.882e-04	136.5	<2e-16 ***
r	2.162e-03	1.661e-05	130.2	<2e-16 ***
kmercov	9.020e+00	1.672e-03	5393.3	<2e-16 ***
bias	1.206e+00	2.878e-03	418.9	<2e-16 ***
length	2.072e+08	5.330e+04	3888.1	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1

Residual standard error: 6096 on 9961 degrees of freedom

Number of iterations to convergence: 7
Achieved convergence tolerance: 8.325e-06

View analysis later

Return to view your results at any time:

<http://genomescope.org/analysis.php?code=2D1ddJYYReIOUKGS8UCy>

Progress

starting

round 0 trimming to 4 trying 4peak model... converged. score: 610504951842.003

round 1 trimming to 9 trying 4peak model... converged. score: 370479211606.776

round 2 trimming to 14 trying 4peak model... converged. score: 1679037099087.22

round 3 trimming to 19 trying 4peak model... converged. score: 241622308774182

done