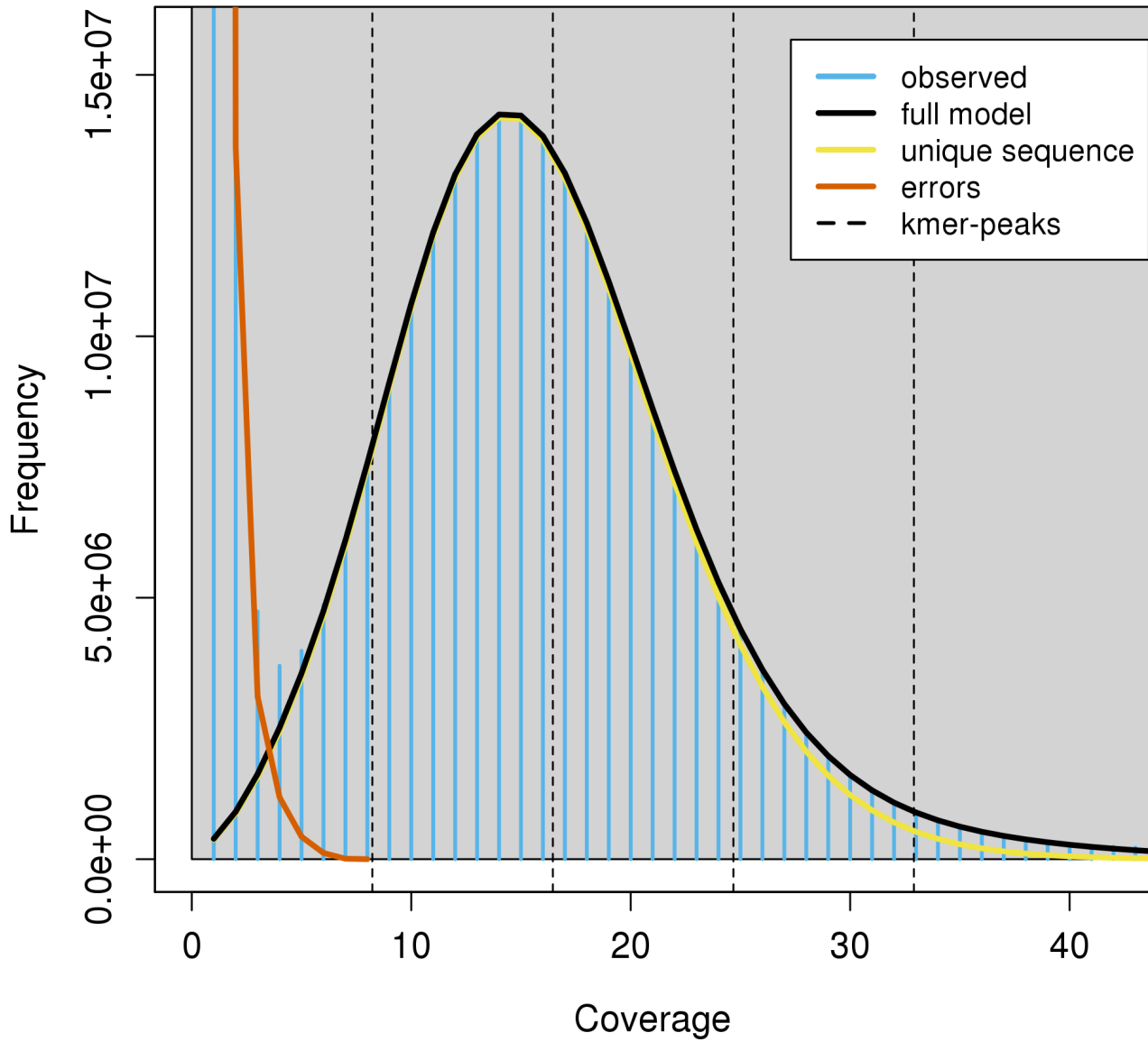


KG\_A.japonica\_km31

## GenomeScope Profile

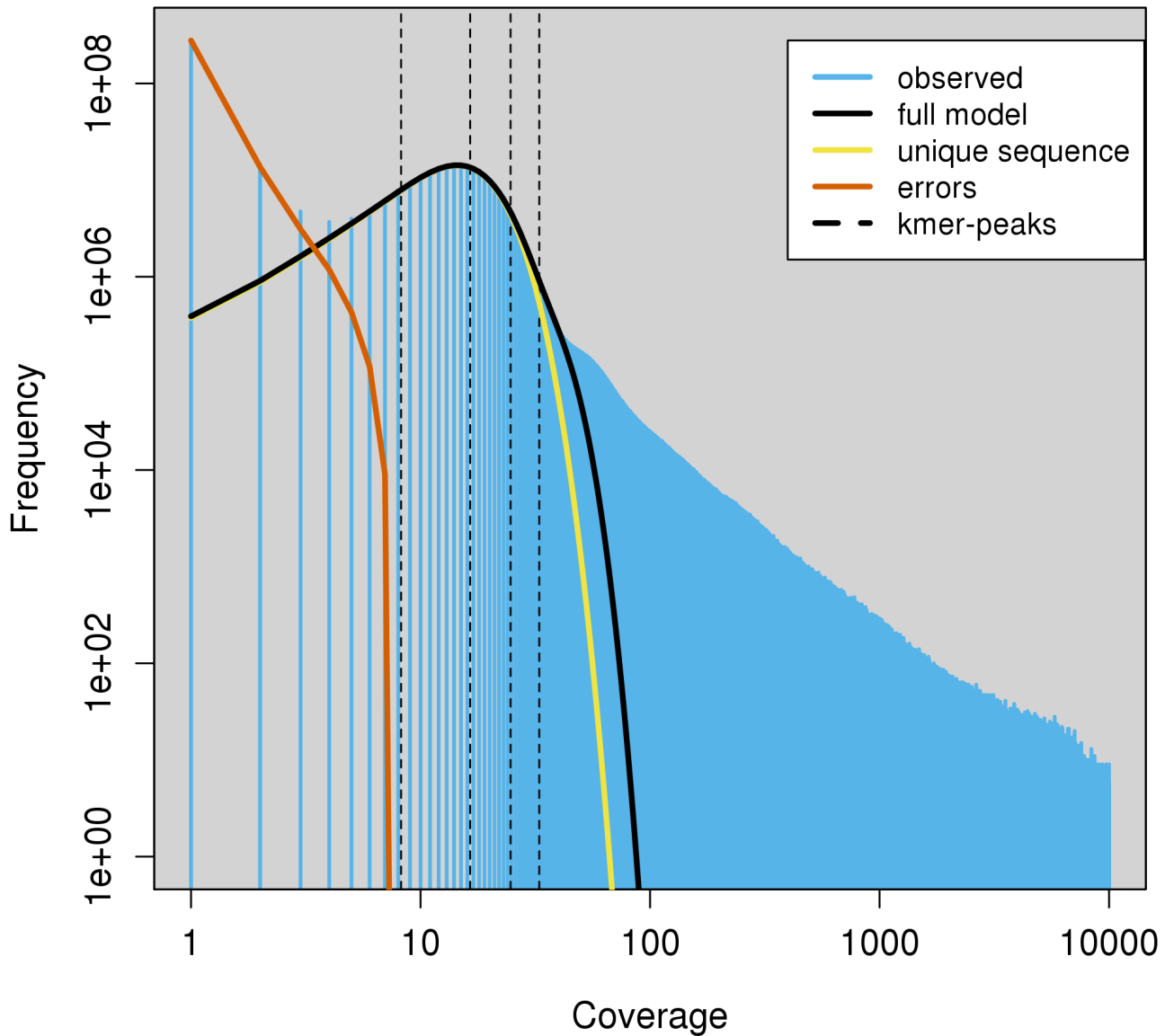
len:313,461,456bp uniq:66% het:0.184% kcov:8.23 err:0.196% dup:1.11% k:31



(user\_data/8246uAqG94BRJUzU1WCI/plot.png)

## GenomeScope Profile

len:313,461,456bp uniq:66% het:0.184% kcov:8.23 err:0.196% dup:1.11% k:31



(user\_data/8246uAqG94BRJUzU1WCI/plot.log.png)

### Results

GenomeScope version 1.0  
k = 31

property	min	max
Heterozygosity	0.180016%	0.187225%
Genome Haploid Length	313,173,088 bp	313,461,456 bp
Genome Repeat Length	106,436,530 bp	106,534,536 bp
Genome Unique Length	206,736,559 bp	206,926,921 bp
Model Fit	96.7638%	99.7354%
Read Error Rate	0.195742%	0.195742%

### 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	3.811e-02	2.932e-04	130.0	<2e-16 ***
r	1.836e-03	1.802e-05	101.9	<2e-16 ***
kmercov	8.226e+00	1.893e-03	4346.1	<2e-16 ***
bias	1.108e+00	3.075e-03	360.3	<2e-16 ***
length	2.150e+08	5.888e+04	3651.7	<2e-16 ***

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

Residual standard error: 6104 on 9907 degrees of freedom

Number of iterations to convergence: 8  
Achieved convergence tolerance: 2.691e-06

### View analysis later

Return to view your results at any time:

<http://genomescope.org/analysis.php?code=8246uAqG94BRJUzU1WCI>

### Progress

starting

round 0 trimming to 4 trying 4peak model... converged. score: 613926278506.121

round 1 trimming to 9 trying 4peak model... converged. score: 369481626357.766

round 2 trimming to 14 trying 4peak model... converged. score: 10270676965048.9

round 3 trimming to 19 trying 4peak model... unconverged

done