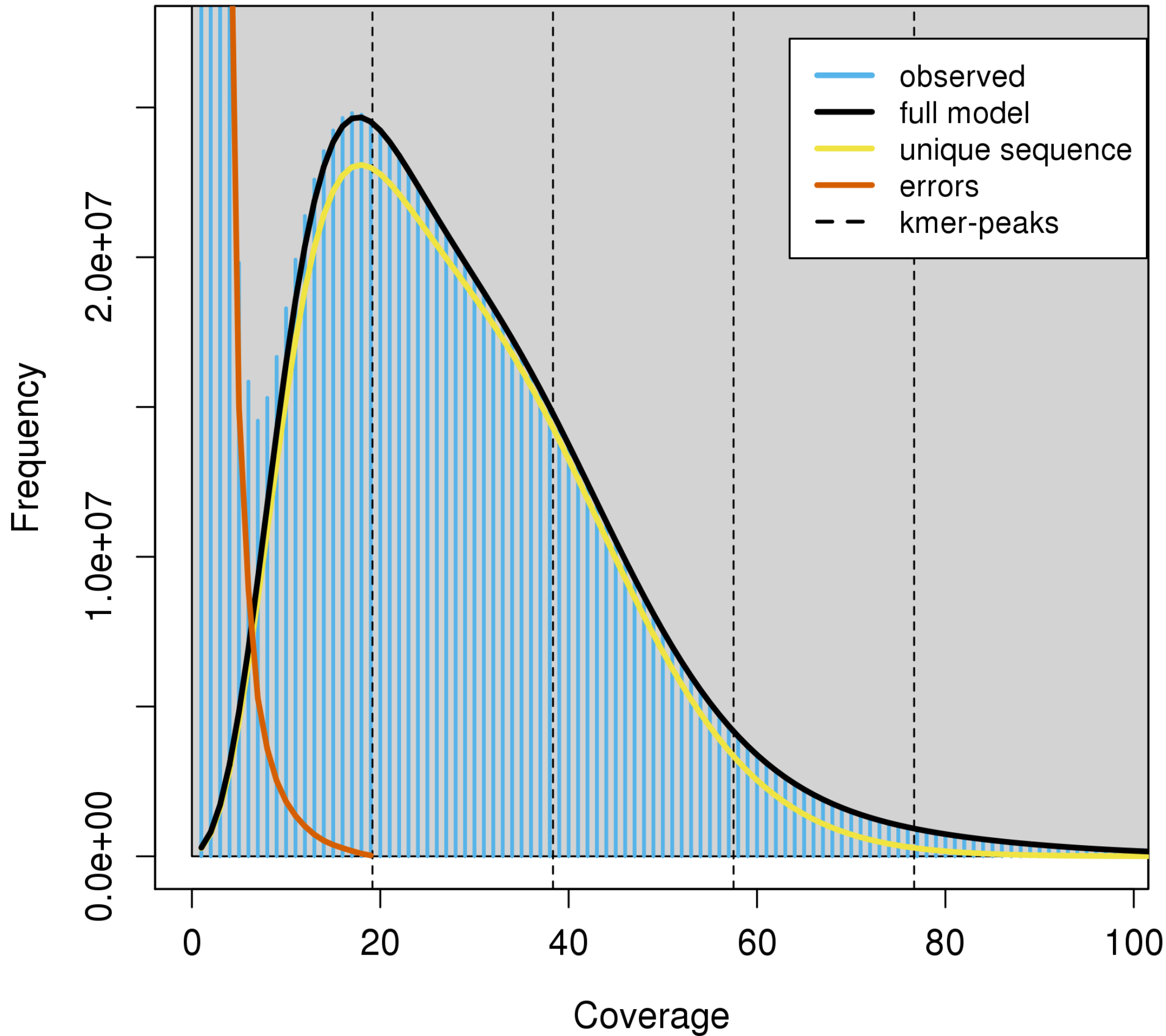


Dar_fq_fp1_clmp_fp2_fqscrn_rprd_jfsh

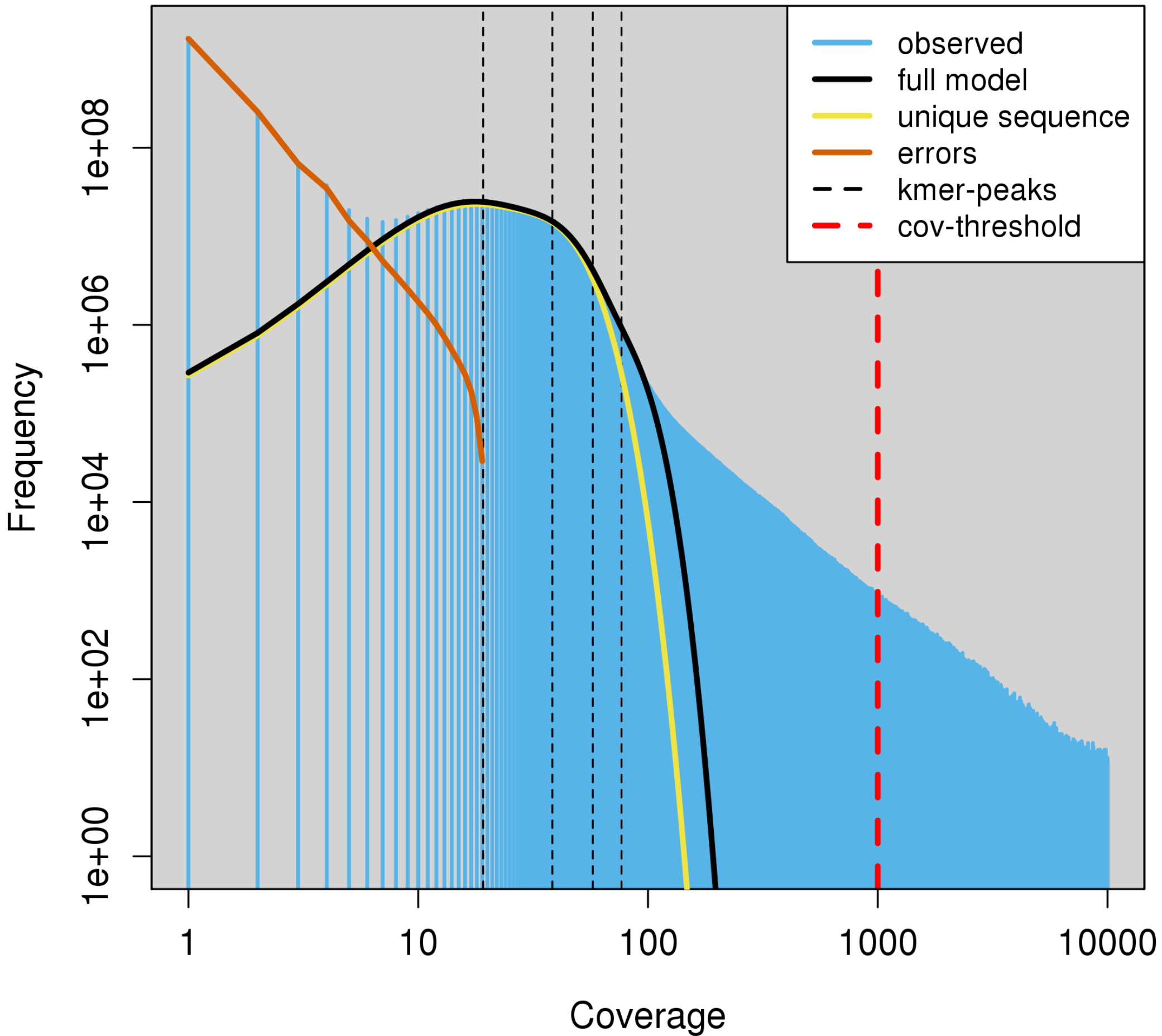
GenomeScope Profile

len:735,359,939bp uniq:80.2% het:2.13% kcov:19.2 err:0.458% dup:2.93% k:21



GenomeScope Profile

len:735,359,939bp uniq:80.2% het:2.13% kcov:19.2 err:0.458% dup:2.93% k:21



Results

GenomeScope version 1.0
k = 21

property	min	max
Heterozygosity	2.12364%	2.13738%
Genome Haploid Length	733,431,964 bp	735,359,939 bp
Genome Repeat Length	145,219,198 bp	145,600,936 bp
Genome Unique Length	588,212,766 bp	589,759,003 bp
Model Fit	98.0854%	99.5791%
Read Error Rate	0.4579%	0.4579%

Model

Formula: $y \sim (((2 * (1 - d) * (1 - (1 - r)^k)) + (2 * d * (1 - (1 - r)^k)^2) + (2 * d * ((1 - r)^k * (1 - (1 - r)^k))) * \text{dnbinom}(x, \text{size} = \text{kmercov}/\text{bias}, \mu = \text{kmercov}) * \text{length} + (((1 - d) * ((1 - r)^k) + (d * (1 - (1 - r)^k)^2)) * \text{dnbinom}(x, \text{size} = \text{kmercov} * 2/\text{bias}, \mu = \text{kmercov} * 2) * \text{length} + (2 * d * ((1 - r)^k * (1 - (1 - r)^k)) * \text{dnbinom}(x, \text{size} = \text{kmercov} * 3/\text{bias}, \mu = \text{kmercov} * 3) * \text{length} + (d * (1 - r)^{(2 * k)}) * \text{dnbinom}(x, \text{size} = \text{kmercov} * 4/\text{bias}, \mu = \text{kmercov} * 4) * \text{length}))$

Parameters:

	Estimate	Std. Error	t value	Pr(> t)
d	7.294e-02	7.372e-04	98.95	<2e-16 ***
r	2.131e-02	3.434e-05	620.44	<2e-16 ***
kmercov	1.917e+01	1.258e-02	1523.66	<2e-16 ***
bias	2.933e+00	1.214e-02	241.58	<2e-16 ***
length	6.288e+08	3.574e+05	1759.15	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 22940 on 979 degrees of freedom

Number of iterations to convergence: 8
Achieved convergence tolerance: 4.874e-06

[View analysis later](#)

Return to view your results at any time:

<http://genomescope.org/analysis.php?code=cZtfLEWKPV6ttJQSONmy>

Progress

starting

round 0 trimming to 7 trying 4peak model... converged. score: 4542235072812.09

round 1 trimming to 12 trying 4peak model... converged. score: 991511295143.514

round 2 trimming to 17 trying 4peak model... converged. score: 475091065286.476

round 3 trimming to 22 trying 4peak model... converged. score: 526790683400.58

done