Goy_ssl_decontam

(user_data/GtcmGEsUFzCZjnuqRQE9/plot.png)
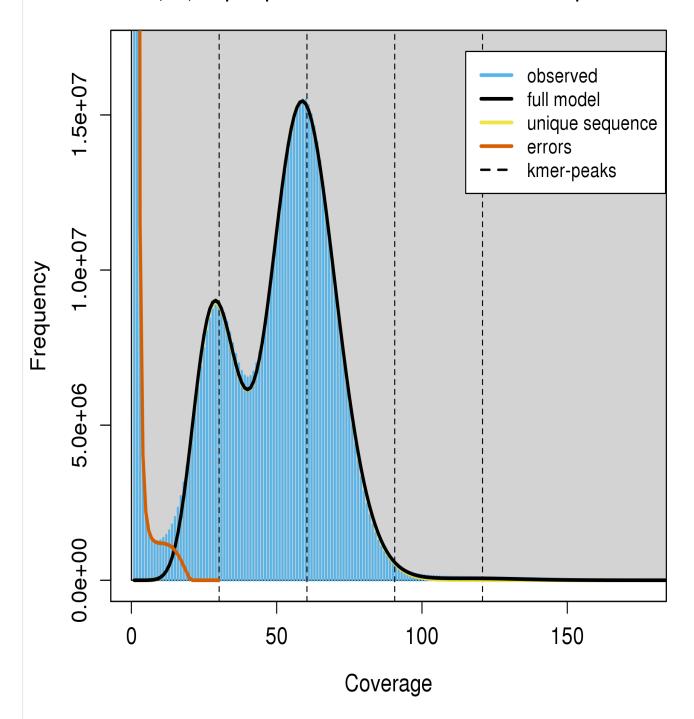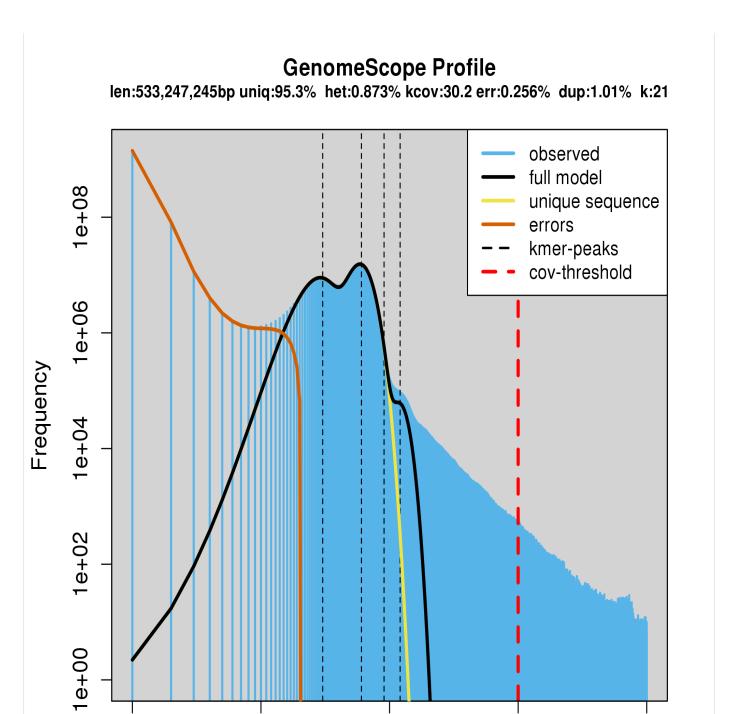
GenomeScope Profile
len:533,247,245bp uniq:95.3% het:0.873% kcov:30.2 err:0.256% dup:1.01% k:21

(user_data/GtcmGEsUFzCZjnuqRQE9/plot.log.png)

Results

```
GenomeScope version 1.0
k = 21

property                        min                 max
Heterozygosity                  0.869466%           0.877487%
Genome Haploid Length           532,667,711 bp      533,247,245 bp
Genome Repeat Length            25,218,558 bp       25,245,996 bp
Genome Unique Length            507,449,153 bp      508,001,249 bp
Model Fit                       96.5314%            97.1227%
Read Error Rate                 0.256321%           0.256321%
```

Model

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

Parameters:
         Estimate Std. Error  t value Pr(>|t|)
d       6.395e-03  1.138e-03    5.621 2.48e-08 ***
r       8.735e-03  2.005e-05  435.591  < 2e-16 ***
kmercov 3.021e+01  8.212e-03 3678.529  < 2e-16 ***
bias    1.011e+00  4.719e-03  214.170  < 2e-16 ***
length  5.109e+08  6.196e+05  824.513  < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 64290 on 977 degrees of freedom

Number of iterations to convergence: 6
Achieved convergence tolerance: 5.616e-06
```

View analysis later

Return to view your results at any time:

http://genomescope.org/analysis.php?code=GtcmGEsUFzCZjnuqRQE9

Progress

starting

round 0 trimming to 9 trying 4peak model... converged. score: 4270712947814.61

round 1 trimming to 14 trying 4peak model... converged. score: 4129845800509.25

round 2 trimming to 19 trying 4peak model... converged. score: 3963096418457.89

round 3 trimming to 24 trying 4peak model... converged. score: 3985218647758.91

done