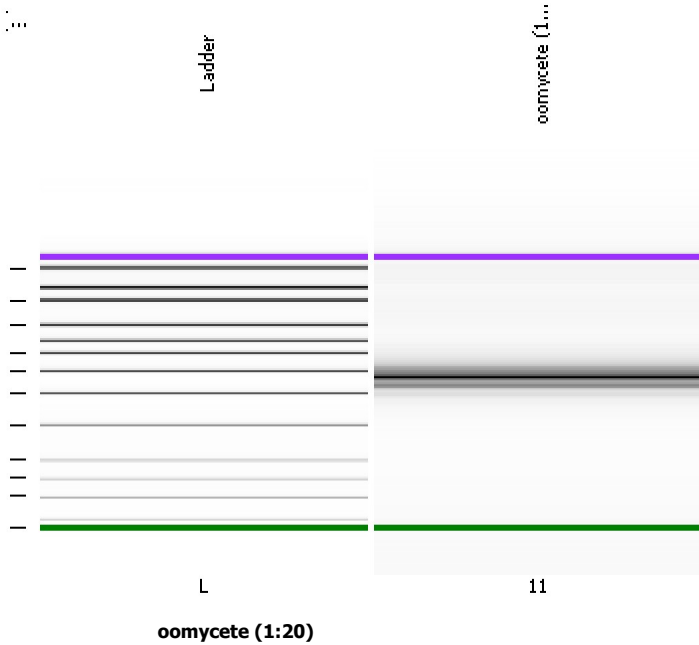


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
Modified: 4/12/2016 6:36:01 PM

Electrophoresis File Run Summary



Instrument Information:

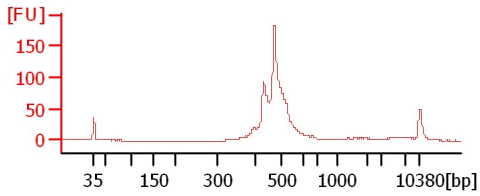
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
Modified: 4/12/2016 6:36:01 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| oomycete (1:20) | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | | | | |

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
Modified: 4/12/2016 6:36:01 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

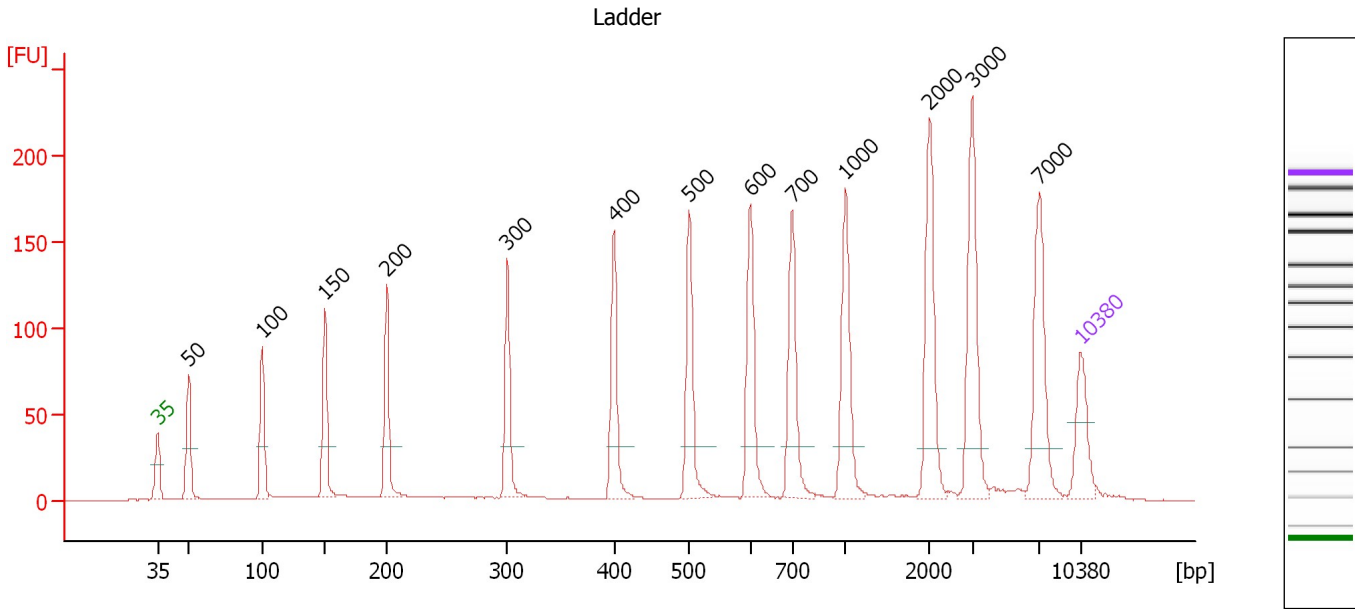
Ladder

| Ladder Peak | Size | Area |
|-------------|-------|------|
| 1 | 35 | 160 |
| 2 | 50 | 210 |
| 3 | 100 | 208 |
| 4 | 150 | 221 |
| 5 | 200 | 242 |
| 6 | 300 | 270 |
| 7 | 400 | 305 |
| 8 | 500 | 306 |
| 9 | 600 | 336 |
| 10 | 700 | 321 |
| 11 | 1000 | 366 |
| 12 | 2000 | 413 |
| 13 | 3000 | 411 |
| 14 | 7000 | 400 |
| 15 | 10380 | 214 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
 Modified: 4/12/2016 6:36:01 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

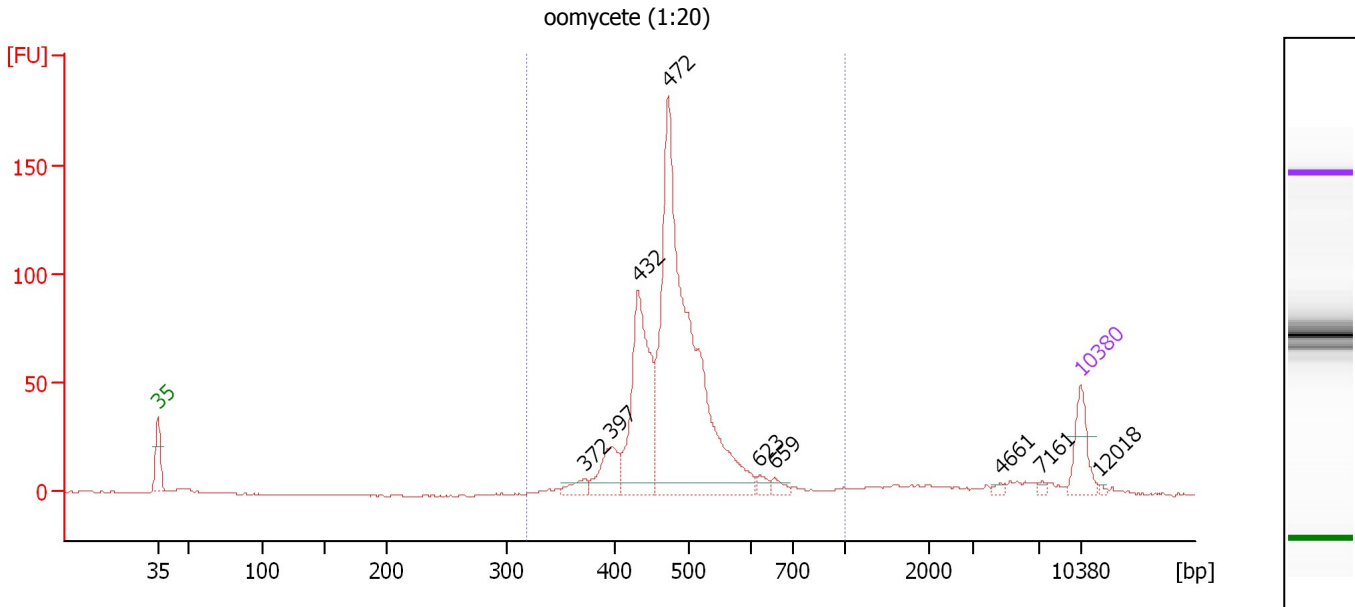
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak | 45.32 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.97 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.71 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.41 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.56 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.62 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.31 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.96 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.14 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.22 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.57 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.80 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.92 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
 Modified: 4/12/2016 6:36:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : oomycete (1:20)

Number of peaks found: 9 Corr. Area 1: 824.5
 Noise: 0.4

Peak table for sample 11 : oomycete (1:20)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 372 | 30.79 | 125.2 | | 75.40 |
| 3 | 397 | 99.03 | 378.2 | | 77.36 |
| 4 | 432 | 408.91 | 1,432.6 | | 79.47 |
| 5 | 472 | 1,189.39 | 3,815.7 | | 81.73 |
| 6 | 623 | 18.02 | 43.8 | | 88.69 |
| 7 | 659 | 19.46 | 44.8 | | 89.82 |
| 8 | 4,661 | 6.96 | 2.3 | | 106.92 |
| 9 | 7,161 | 6.46 | 1.4 | | 110.06 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 11 | 12,018 | 0.00 | 0.0 | | 114.49 |

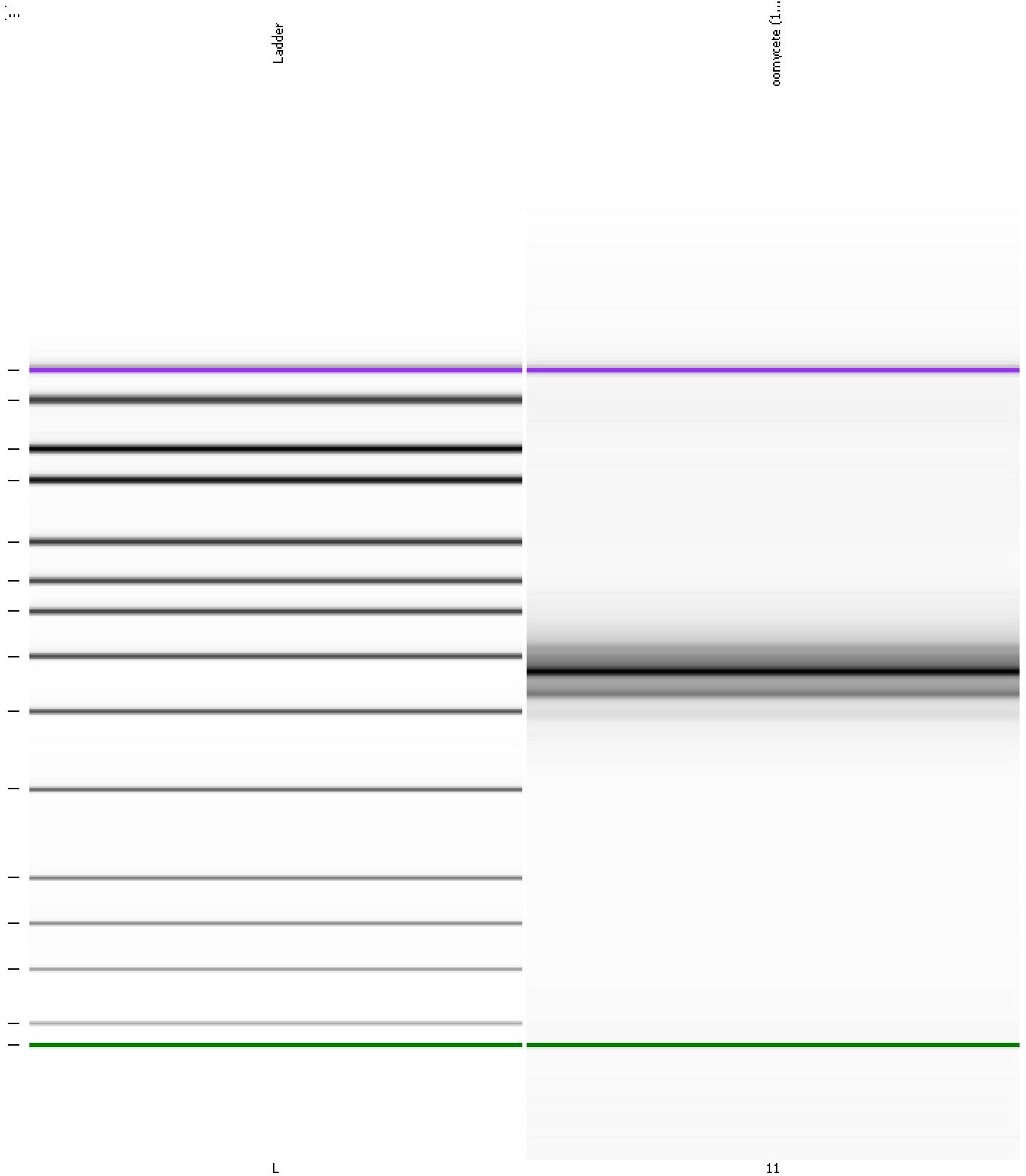
Region table for sample 11 : oomycete (1:20)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 318 | 1,000 | 486 | 824.5 | 5,726.0 | 1,796.10 | 88 | 15.2 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
Modified: 4/12/2016 6:36:01 PM

Gel Image

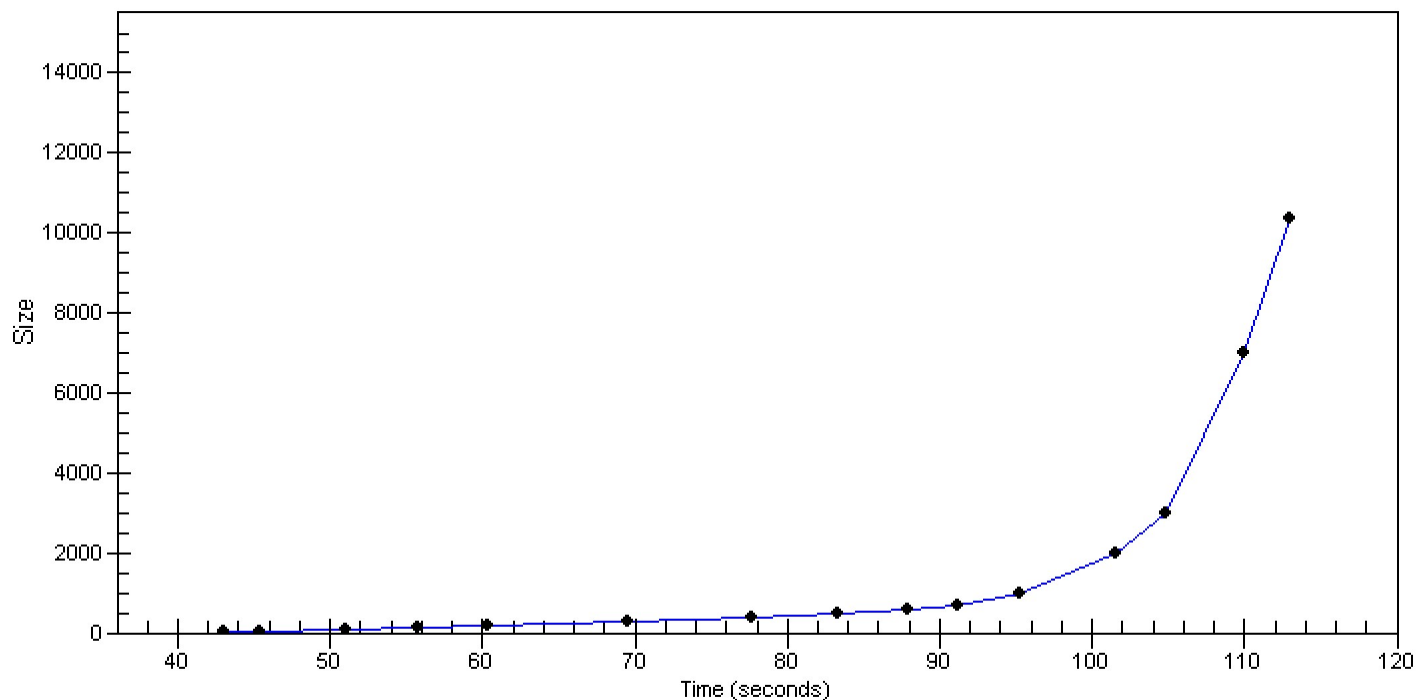


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
Modified: 4/12/2016 6:36:01 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...expert\data\2016-04-12\2016-04-12_006_MiSeq318_oomycete.xad

Created: 4/12/2016 4:42:09 PM
 Modified: 4/12/2016 6:36:01 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|--|--------|------------|----------|--------------|----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 12) | | Instrument | Run | | 4/12/2016 5:22:30 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_006.xad) | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 4/12/2016 4:42:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |