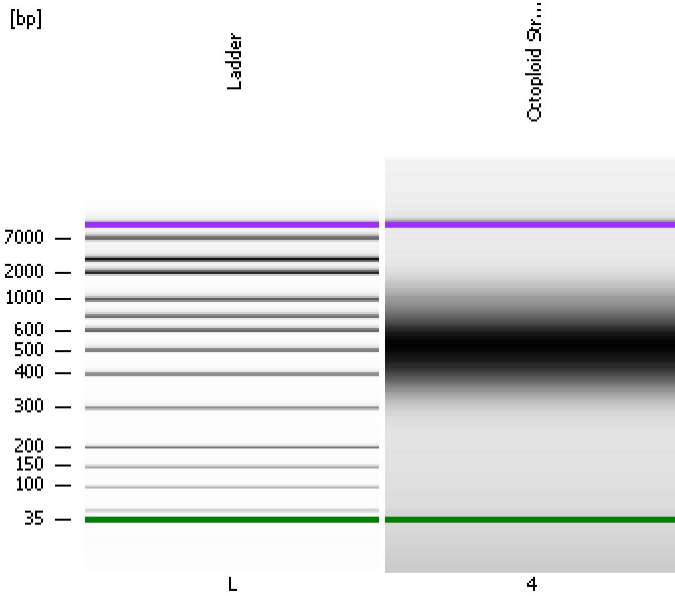


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
Modified: 1/8/2016 12:50:11 PM

Electrophoresis File Run Summary



Instrument Information:

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

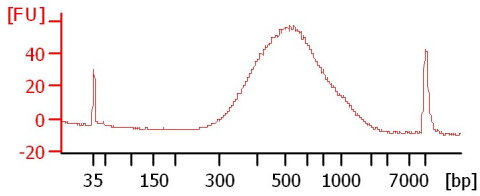
Assay Information:

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:

Octoploid Strawberry (1:3)



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
 Modified: 1/8/2016 12:50:11 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| Octoploid Strawberry (1:3) | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
 Modified: 1/8/2016 12:50:11 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

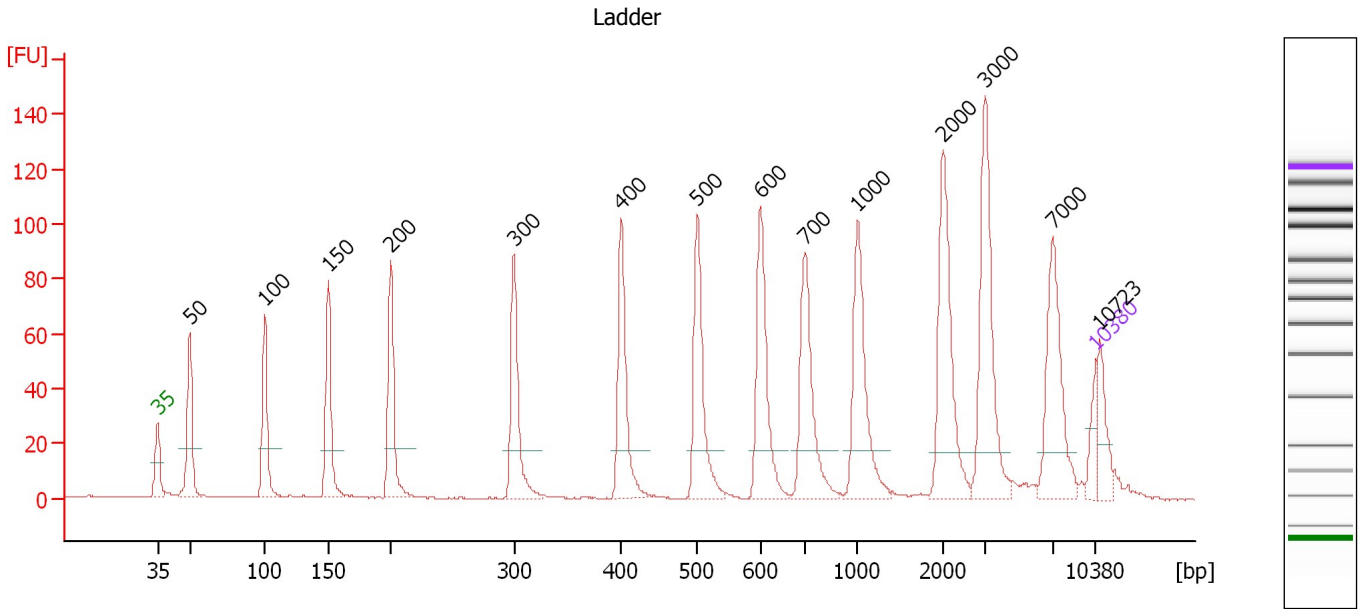
Ladder

| 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:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
 Modified: 1/8/2016 12:50:11 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

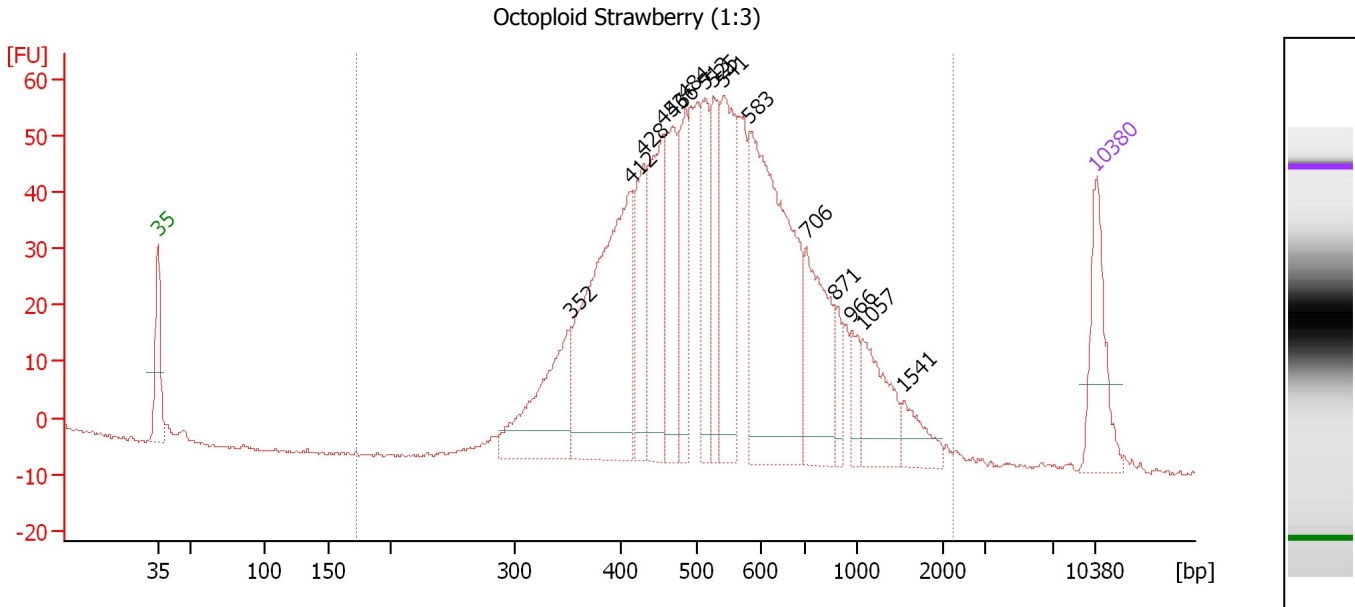
Peak table for Ladder

| 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 | 45.39 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.01 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.74 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.38 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.61 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.63 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.29 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.98 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.35 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.24 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.61 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.75 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.77 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 16 | 10,723 | 0.00 | 0.0 | | 113.33 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
 Modified: 1/8/2016 12:50:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Octoploid Strawberry (1:3)

Number of peaks found: 15 Corr. Area 1: 1,366.3
 Noise: 0.3

Peak table for sample 4 : Octoploid Strawberry (1:3)

| 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 | 352 | 171.91 | 739.3 | | 73.81 |
| 3 | 412 | 388.61 | 1,429.0 | | 78.31 |
| 4 | 428 | 104.30 | 369.3 | | 79.21 |
| 5 | 453 | 158.02 | 528.5 | | 80.63 |
| 6 | 466 | 136.12 | 442.2 | | 81.39 |
| 7 | 484 | 101.25 | 317.0 | | 82.38 |
| 8 | 513 | 102.95 | 304.1 | | 83.90 |
| 9 | 525 | 95.20 | 274.7 | | 84.47 |
| 10 | 541 | 165.36 | 462.9 | | 85.23 |
| 11 | 583 | 383.92 | 998.2 | | 87.17 |
| 12 | 706 | 143.32 | 307.4 | | 91.44 |
| 13 | 871 | 28.50 | 49.6 | | 93.57 |
| 14 | 966 | 30.13 | 47.3 | | 94.80 |
| 15 | 1,057 | 77.24 | 110.7 | | 95.61 |
| 16 | 1,541 | 35.98 | 35.4 | | 98.69 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

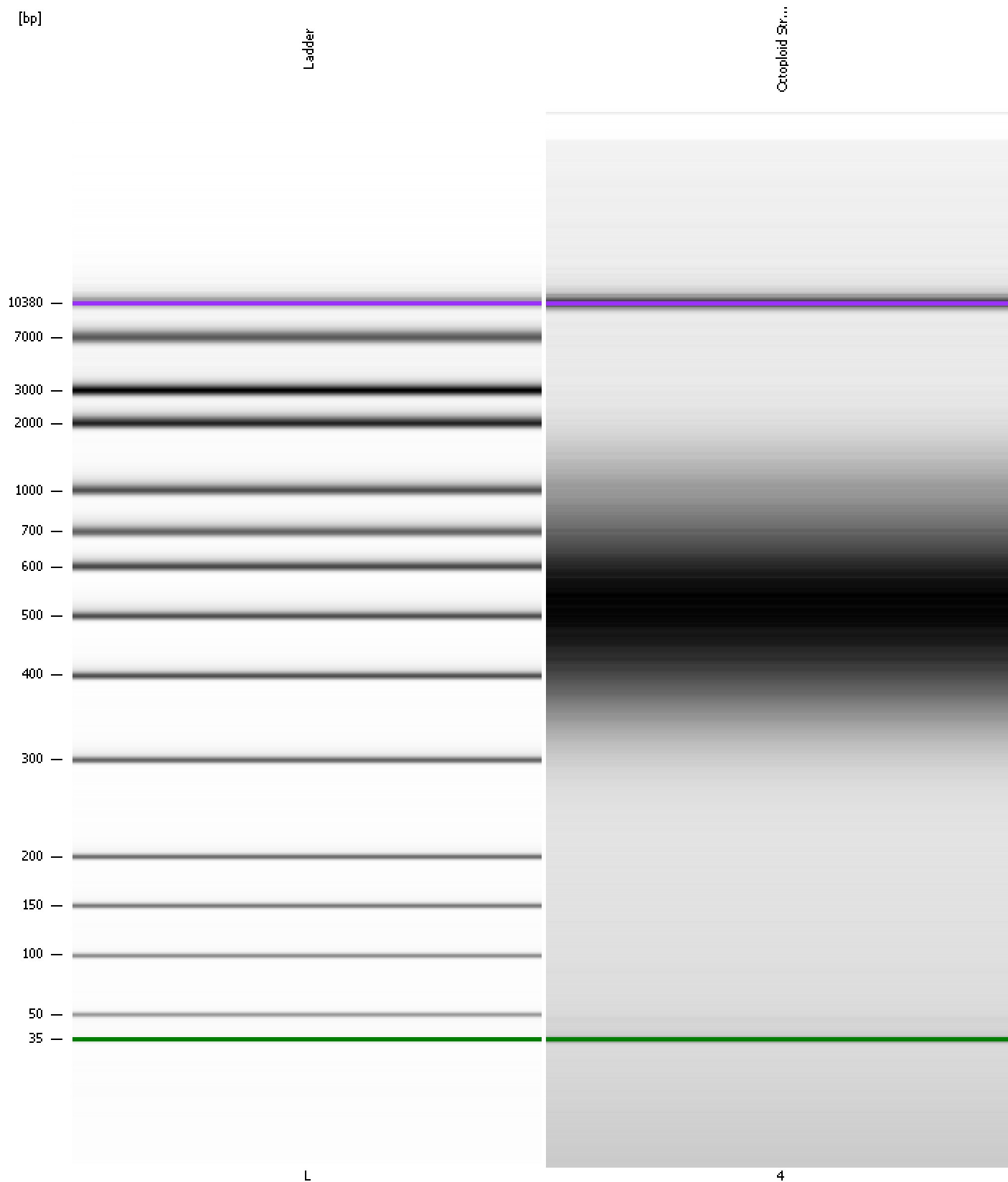
Region table for sample 4 : Octoploid Strawberry (1:3)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 172 | 2,247 | 605 | 1,366.3 | 7,101.1 | 2,376.92 | 95 | 47.7 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
Modified: 1/8/2016 12:50:11 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2016-01-07\2016-01-07_001_Octoploid_Strawberry.xad

Created: 1/7/2016 11:26:22 AM
 Modified: 1/8/2016 12:50:11 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 | | 1/7/2016 12:07:41 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2016-01-07\2016-01-07_001.xad) | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 1/7/2016 11:26:27 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |