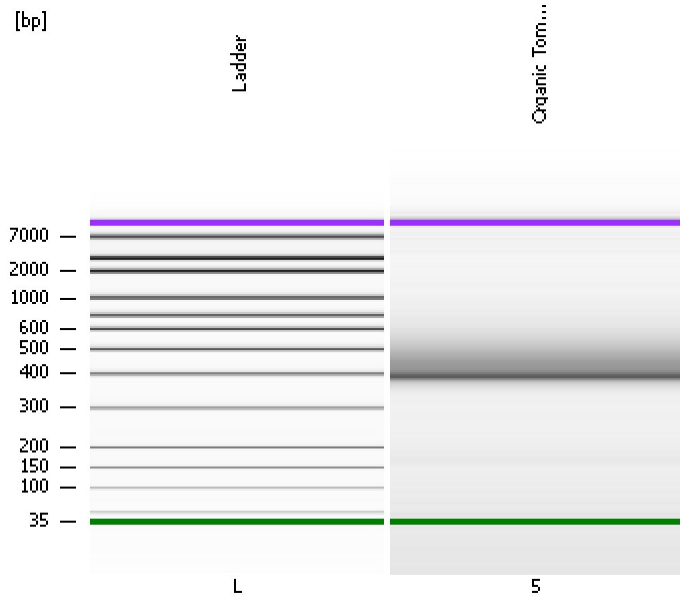


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
Modified: 2/3/2016 5:02:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

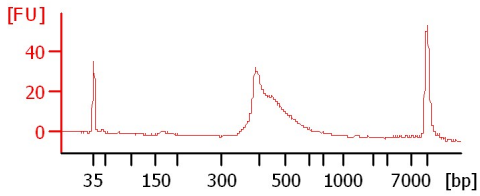
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

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:

**Organic Tomato Pool2**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
Modified: 2/3/2016 5:02:05 PM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name          | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|----------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Organic Tomato Pool2 |                | <input type="checkbox"/> | ✓      |             |              |              |
| Ladder               |                | <input type="checkbox"/> | ✓      |             |              |              |

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
 Modified: 2/3/2016 5:02:05 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

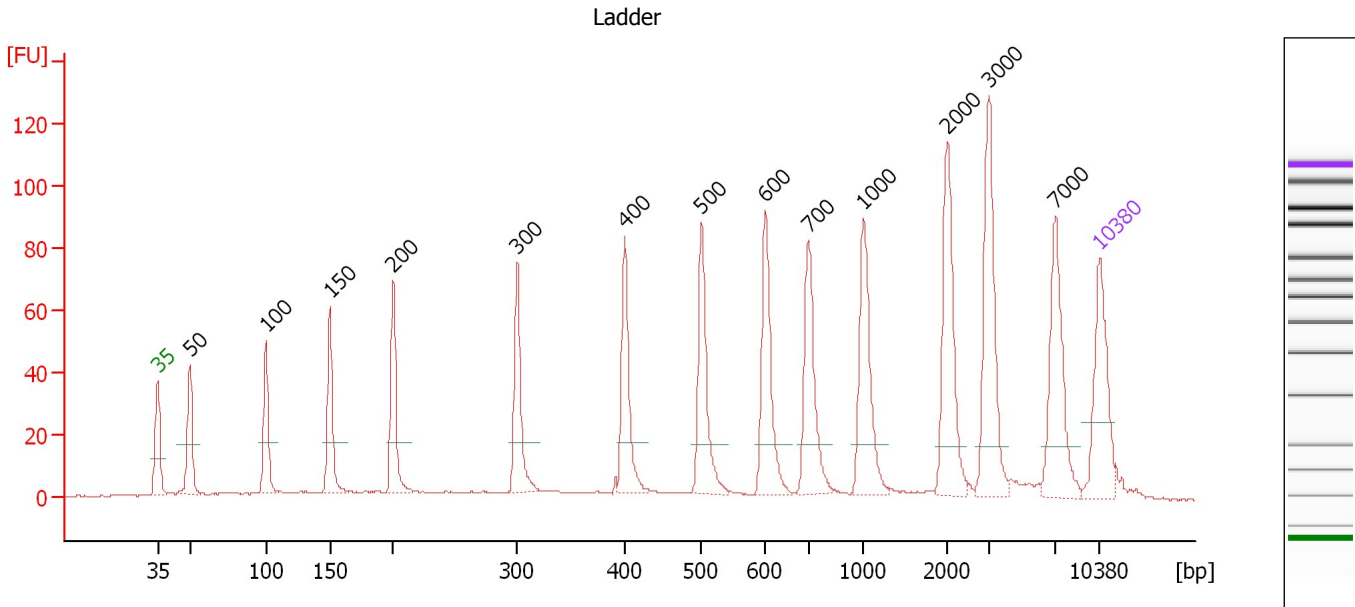
**Ladder**

| 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:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
 Modified: 2/3/2016 5:02:05 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

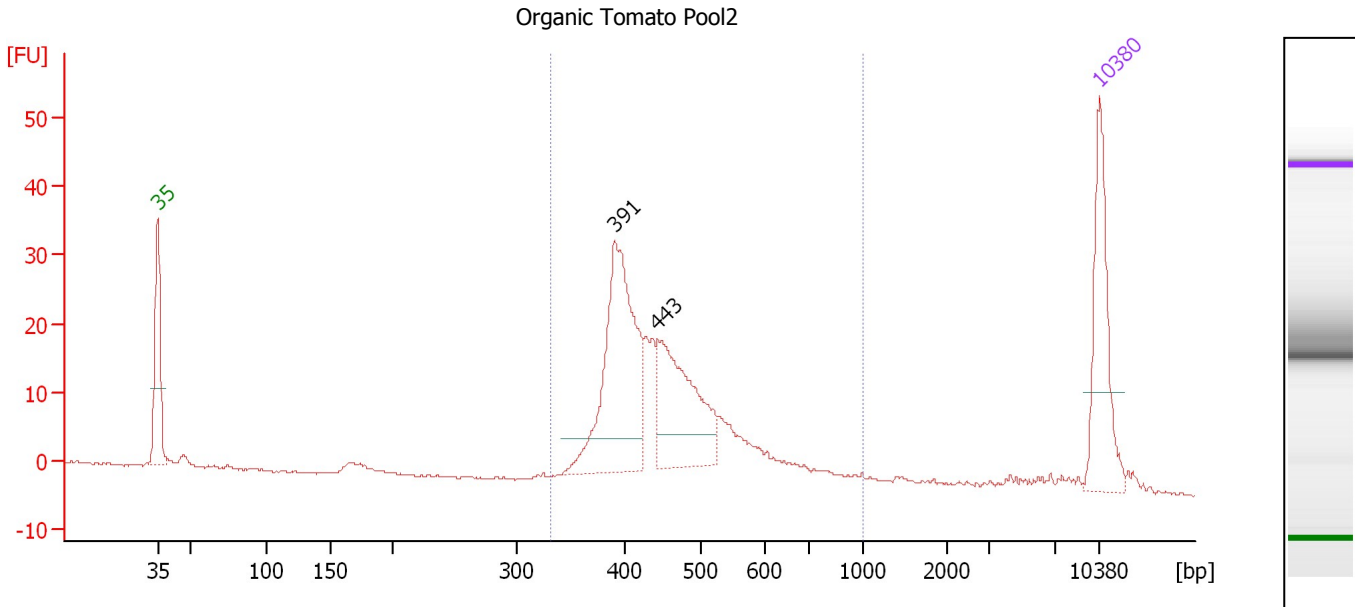
**Peak table for Ladder**

| 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  | 45.38                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 51.06                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 55.83                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 60.50                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 69.71                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 77.73                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 83.41                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 88.17                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 91.33                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 95.45                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 101.64                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 104.75                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.70                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
 Modified: 2/3/2016 5:02:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Organic Tomato Pool2**

Number of peaks found: 2                      Corr. Area 1: 281.2  
 Noise: 0.2

**Peak table for sample 5 : Organic Tomato Pool2**

| 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    | 391       | 212.83        | 825.6             |              | 76.97                      |
| 3    | 443       | 134.75        | 461.1             |              | 80.15                      |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

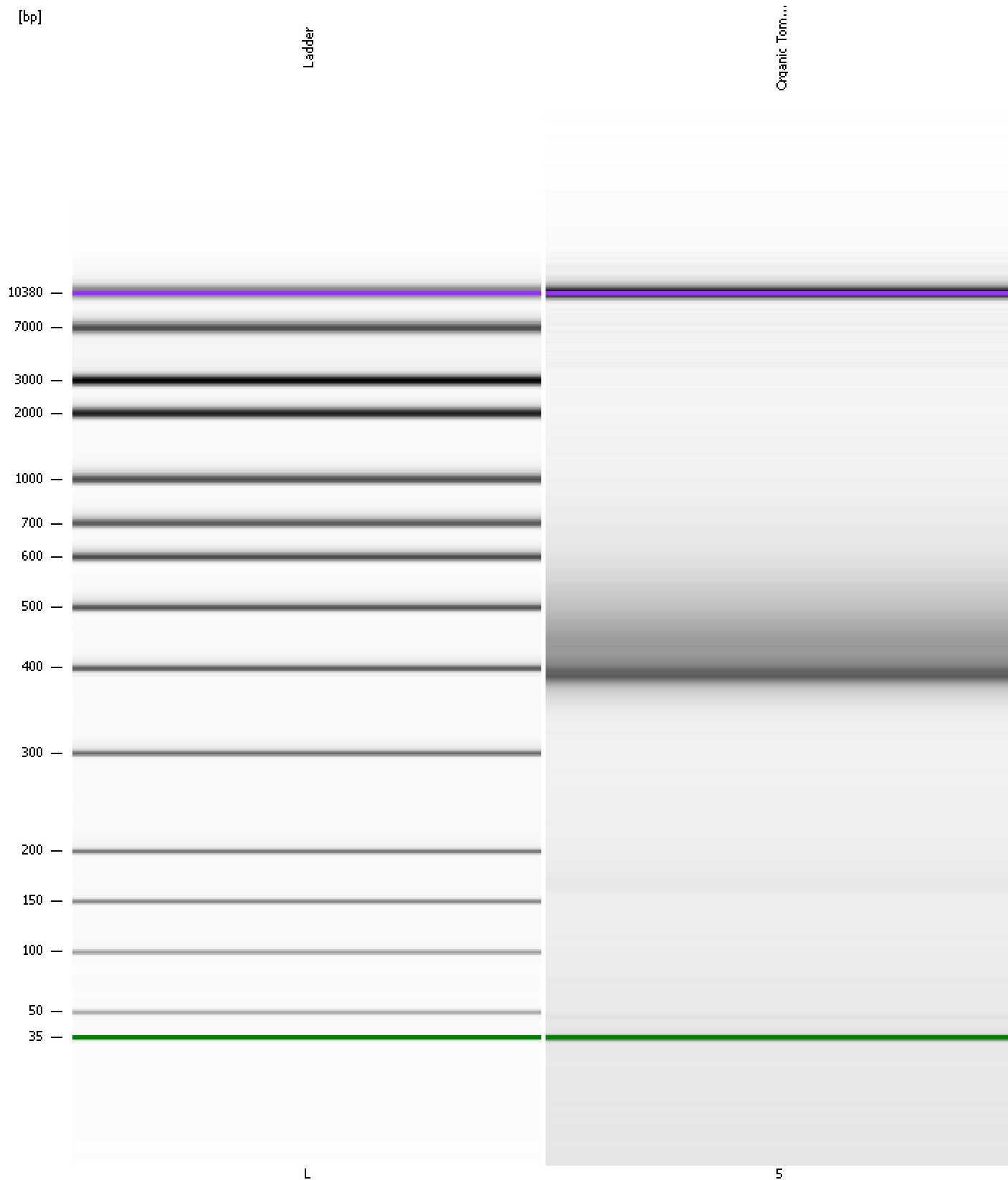
**Region table for sample 5 : Organic Tomato Pool2**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 332       | 1,000   | 466               | 281.2      | 1,694.5           | 499.43               | 90         | 21.2                        |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad

Created: 2/3/2016 4:00:29 PM  
Modified: 2/3/2016 5:02:05 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay Created: 2/3/2016 4:00:29 PM  
 Data Path: C:\...ioanalyzer\2016-02-03\2016-02-03\_003\_OrganicTomatoPool2.xad Modified: 2/3/2016 5:02:05 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      |              | 2/3/2016 4:40:52 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Instrument error occurred on port 1, Optical signal too high (1605h)                              | 559    | Instrument | Run      | Sample 10    | 2/3/2016 4:37:08 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2016-02-03\2016-02-03_003.xad) |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 2/3/2016 4:00:29 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |