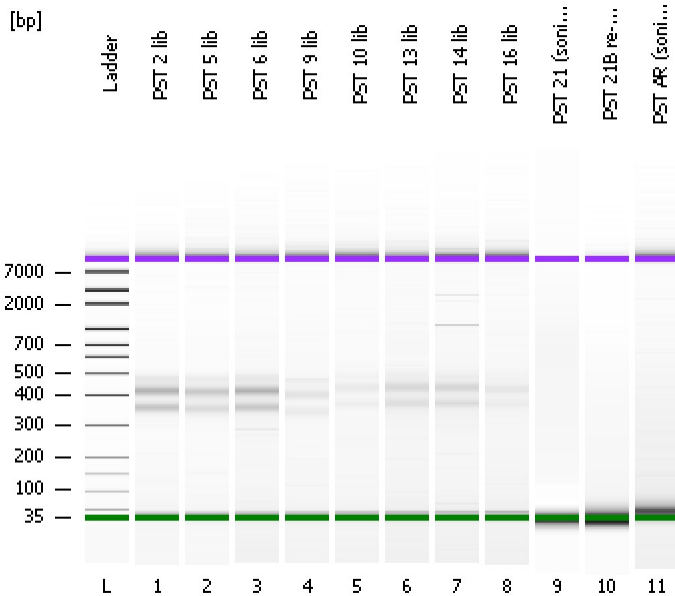


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
Modified: 2/16/2012 11:47:30 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

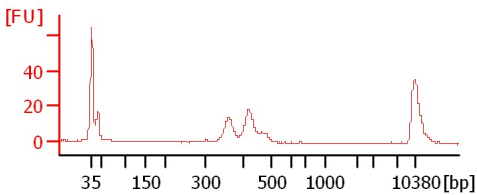
Assay Information:

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

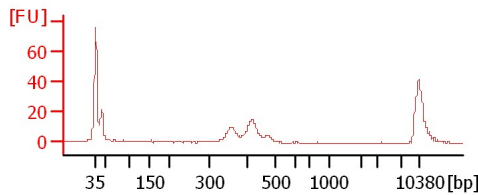
Chip Information:

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

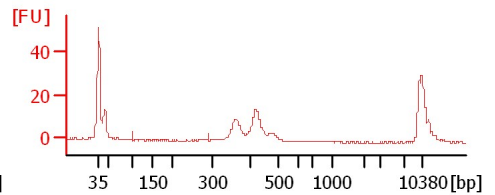
**PST 2 lib**



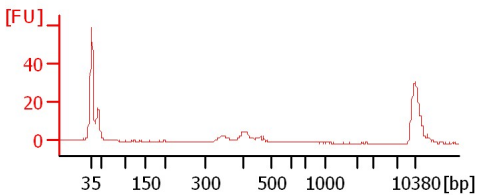
**PST 5 lib**



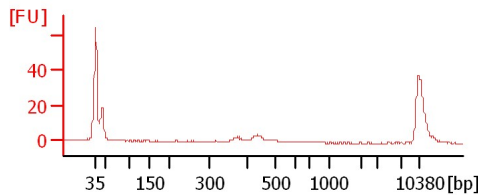
**PST 6 lib**



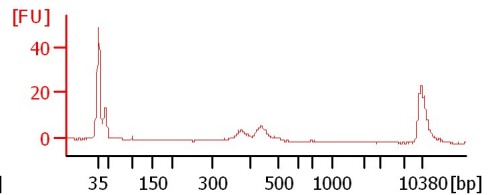
**PST 9 lib**



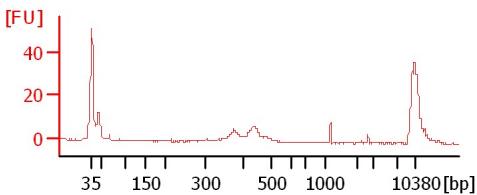
**PST 10 lib**



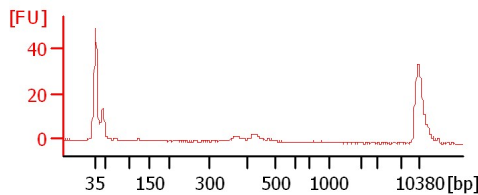
**PST 13 lib**



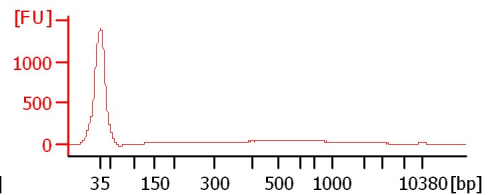
**PST 14 lib**



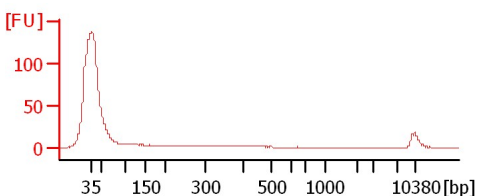
**PST 16 lib**



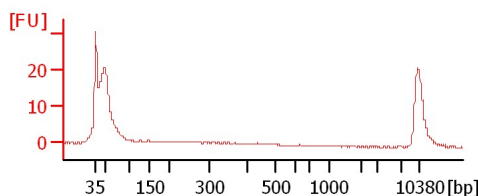
**PST 21 (soni 9/8/12)**



**PST 21B re-do soni 2/14 (1:10)**



**PST AR (soni 2/14 (1:10))**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
Modified: 2/16/2012 11:47:30 AM

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

| Sample Name                    | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|--------------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| PST 2 lib                      |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 5 lib                      |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 6 lib                      |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 9 lib                      |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 10 lib                     |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 13 lib                     |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 14 lib                     |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 16 lib                     |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 21 (soni 9/8/12)           |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST 21B re-do soni 2/14 (1:10) |                | <input type="checkbox"/> | ✓      |             |              |              |
| PST AR (soni 2/14 (1:10))      |                | <input type="checkbox"/> | ✓      |             |              |              |
| Ladder                         |                | <input type="checkbox"/> | ✓      |             |              |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
Modified: 2/16/2012 11:47:30 AM

**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

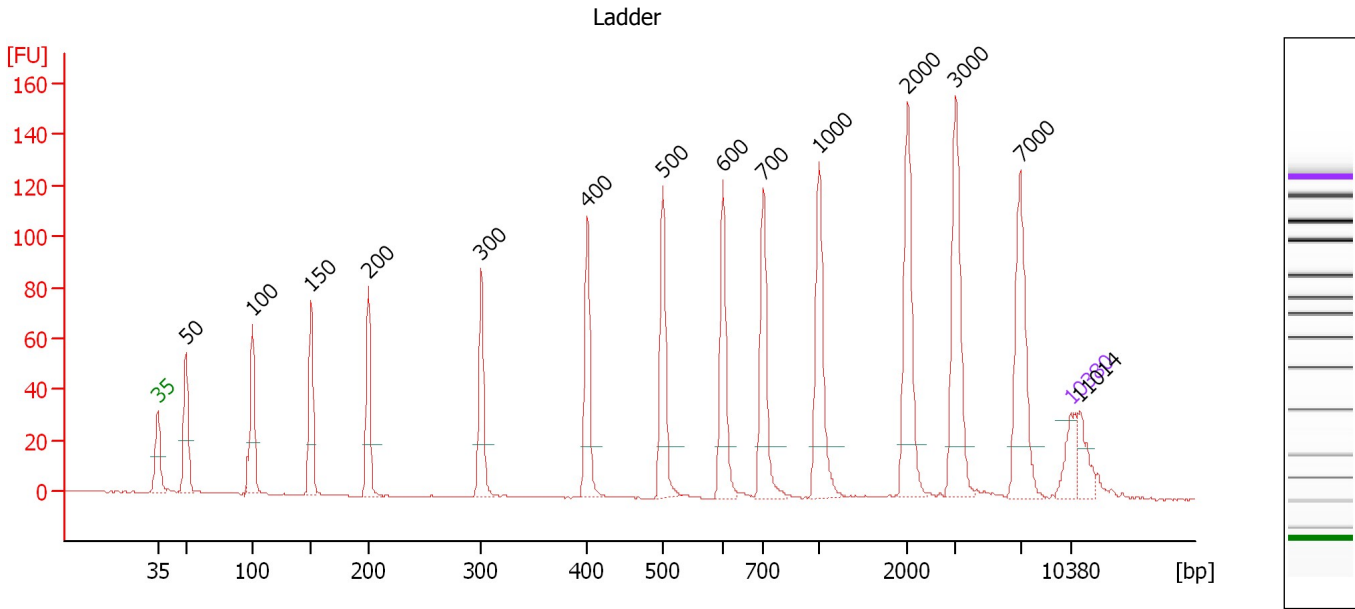
**Ladder**

| 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:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
 Modified: 2/16/2012 11:47:30 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

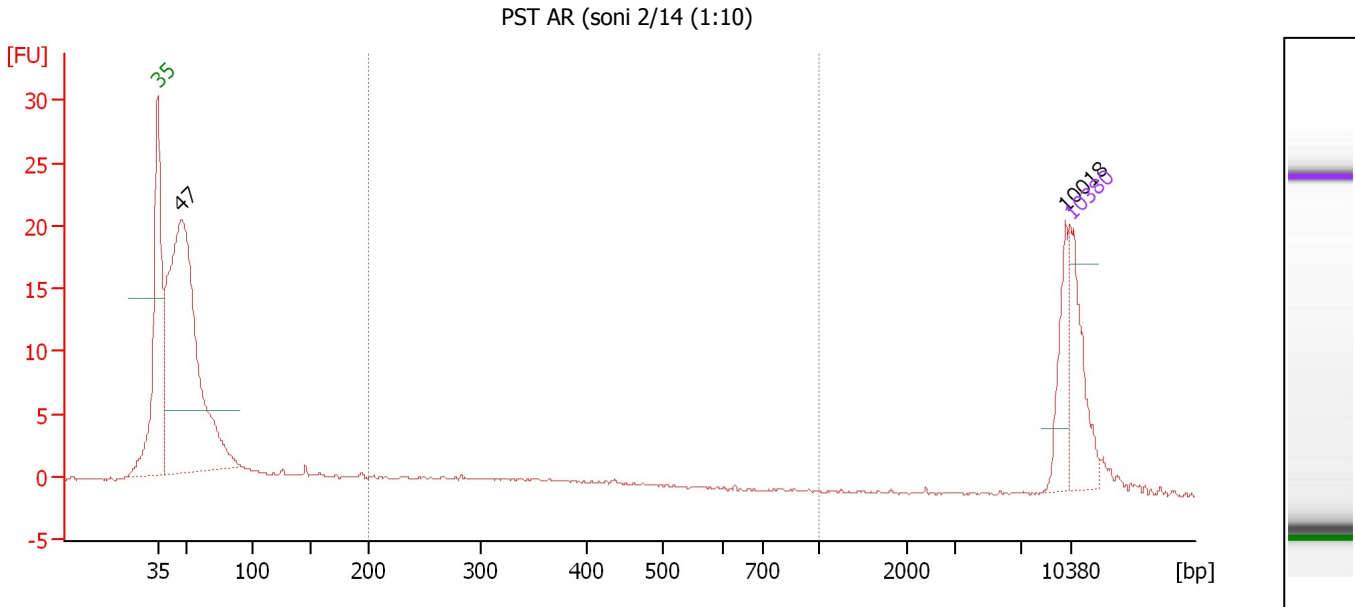
**Peak table for Ladder**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 50        | 150.00        | 4,545.5           | Ladder Peak  |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 11,014    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
 Modified: 2/16/2012 11:47:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : PST AR (soni 2/14 (1:10))**

Number of peaks found: 2                      Corr. Area 1: 14.0  
 Noise: 0.1

**Peak table for sample 11 : PST AR (soni 2/14 (1:10))**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 47        | 816.60        | 26,051.4          |              |
| 3    | 10,018    | 56.10         | 8.5               |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |

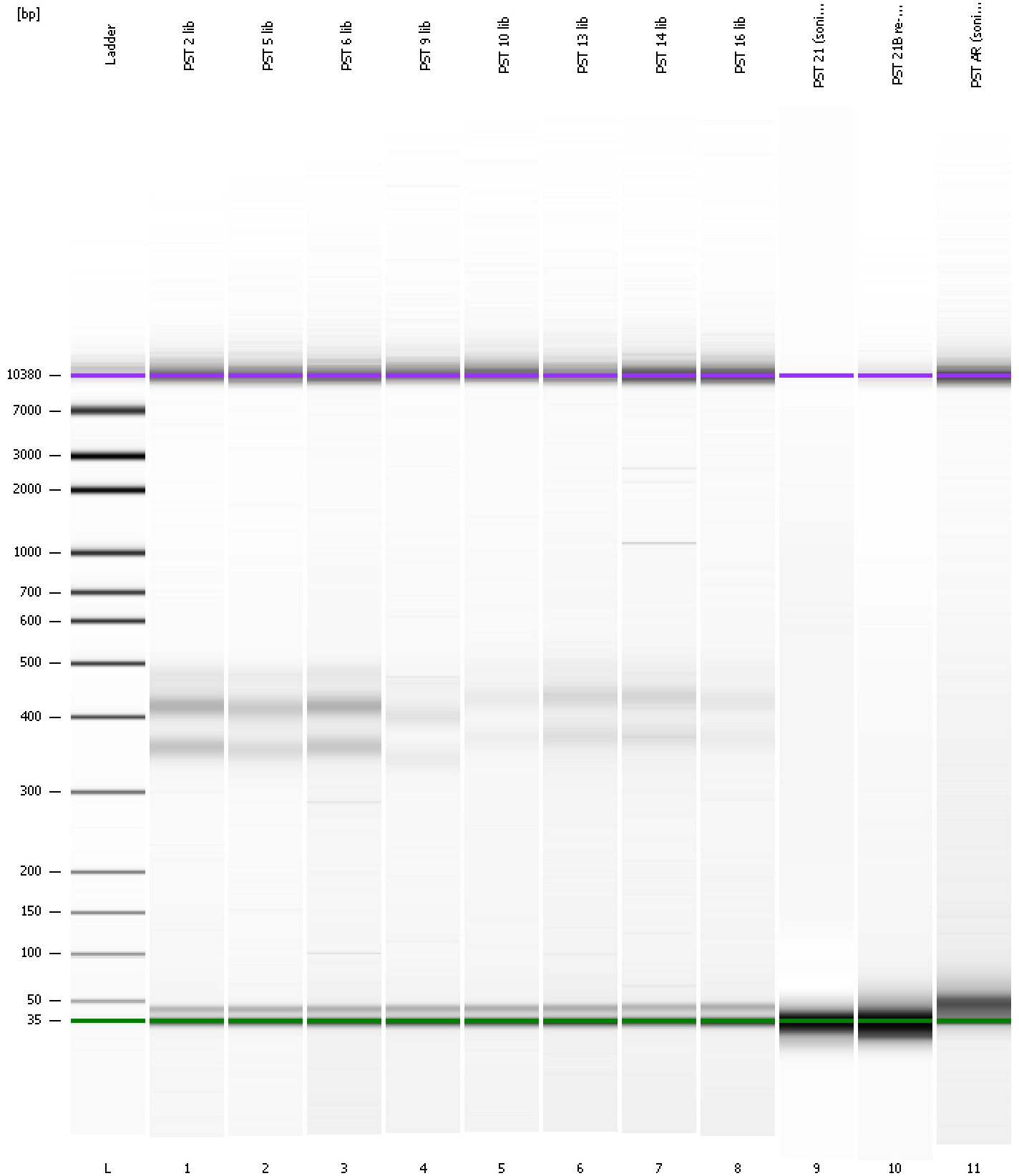
**Region table for sample 11 : PST AR (soni 2/14 (1:10))**

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200       | 388.1             | 340               | 78.36         | 1,000   | 14.0       | 8          | 29.8                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
Modified: 2/16/2012 11:47:30 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-02-16\2012-02-16\_001.xad

Created: 2/16/2012 10:58:26 AM  
 Modified: 2/16/2012 11:47:30 AM

**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      |              | 2/16/2012 11:39:44 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-02-16\2012-02-16_001.xad) |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 2/16/2012 10:58:31 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |