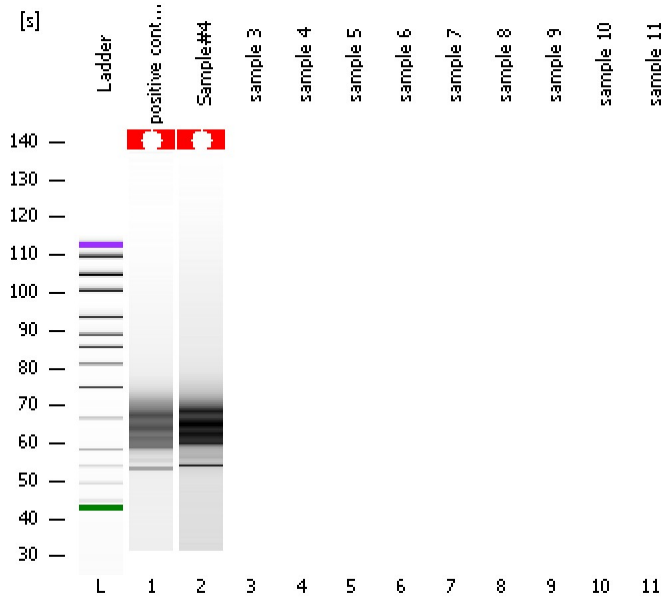


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
Modified: 1/13/2014 10:52:48 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

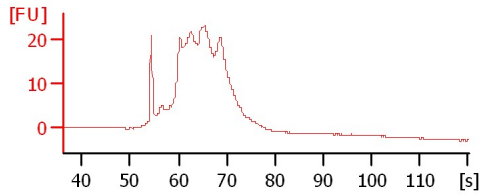
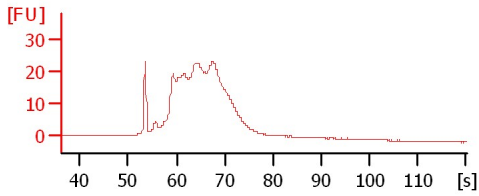
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

**positive control**

**Sample#4**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
Modified: 1/13/2014 10:52:48 AM

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

| Sample Name      | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| positive control |                | <input type="checkbox"/> | ✓      |             |              |              |
| Sample#4         |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 3         |                | <input type="checkbox"/> |        |             |              |              |
| sample 4         |                | <input type="checkbox"/> |        |             |              |              |
| sample 5         |                | <input type="checkbox"/> |        |             |              |              |
| sample 6         |                | <input type="checkbox"/> |        |             |              |              |
| sample 7         |                | <input type="checkbox"/> |        |             |              |              |
| sample 8         |                | <input type="checkbox"/> |        |             |              |              |
| sample 9         |                | <input type="checkbox"/> |        |             |              |              |
| sample 10        |                | <input type="checkbox"/> |        |             |              |              |
| sample 11        |                | <input type="checkbox"/> |        |             |              |              |
| Ladder           |                | <input type="checkbox"/> | ✓      |             |              |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
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**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

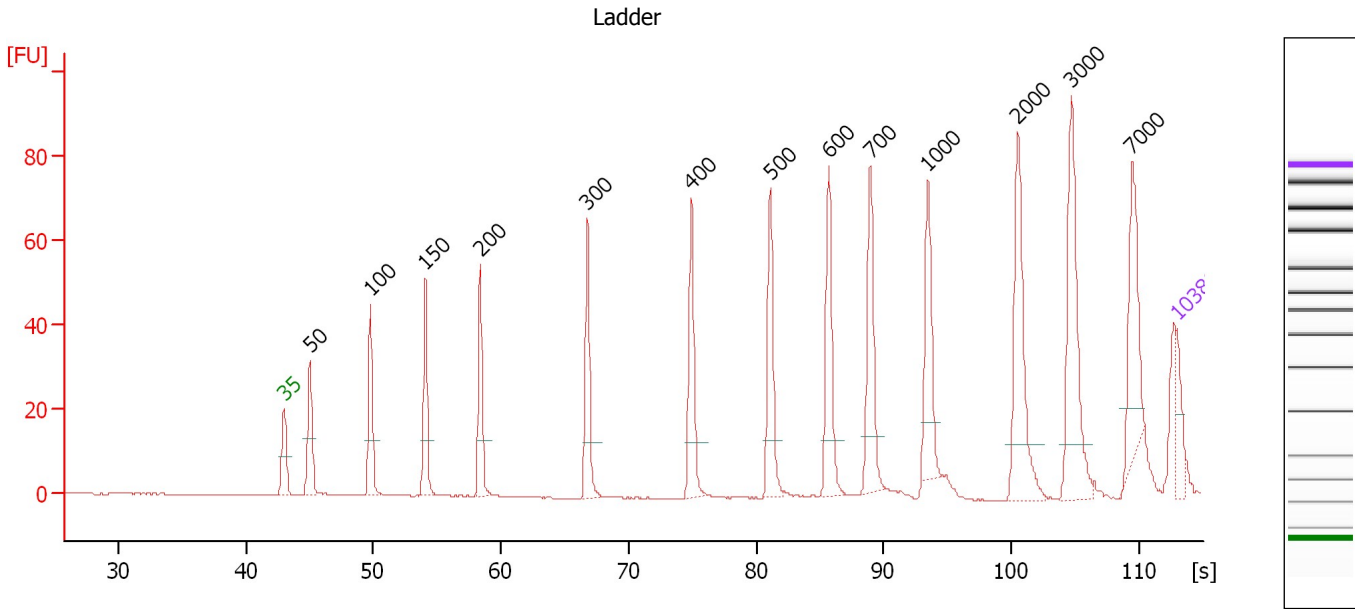
**Ladder**

| 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:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

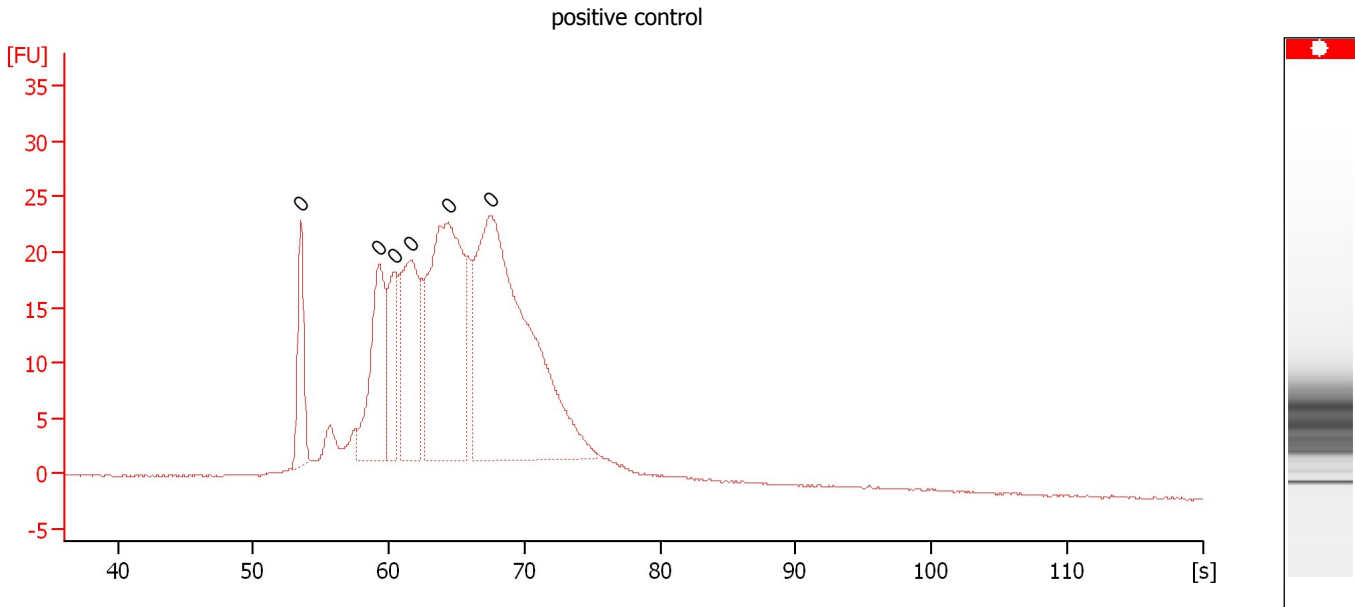
**Peak table for Ladder**

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------|-------------------|--------------|
| 1    | 43.00                      | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 45.02                      | 50        | 150.00        | 4,545.5           | Ladder Peak  |
| 3    | 49.78                      | 100       | 150.00        | 2,272.7           | Ladder Peak  |
| 4    | 54.07                      | 150       | 150.00        | 1,515.2           | Ladder Peak  |
| 5    | 58.41                      | 200       | 150.00        | 1,136.4           | Ladder Peak  |
| 6    | 66.78                      | 300       | 150.00        | 757.6             | Ladder Peak  |
| 7    | 74.95                      | 400       | 150.00        | 568.2             | Ladder Peak  |
| 8    | 81.09                      | 500       | 150.00        | 454.5             | Ladder Peak  |
| 9    | 85.68                      | 600       | 150.00        | 378.8             | Ladder Peak  |
| 10   | 88.97                      | 700       | 150.00        | 324.7             | Ladder Peak  |
| 11   | 93.47                      | 1,000     | 150.00        | 227.3             | Ladder Peak  |
| 12   | 100.54                     | 2,000     | 150.00        | 113.6             | Ladder Peak  |
| 13   | 104.71                     | 3,000     | 150.00        | 75.8              | Ladder Peak  |
| 14   | 109.46                     | 7,000     | 150.00        | 32.5              | Ladder Peak  |
| 15   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : positive control**

Number of peaks found: 0                      Noise: 0.1

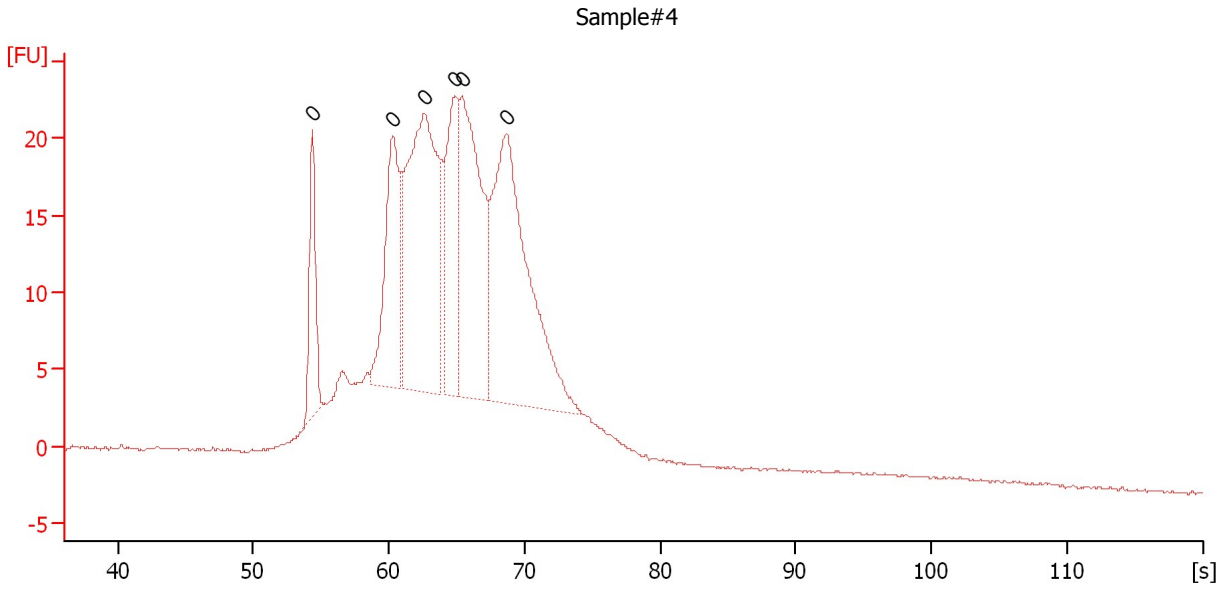
**Peak table for sample 1 : positive control**

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------|-------------------|--------------|
| 1    | 53.55                      | 0         | 0.00          | 0.0               |              |
| 2    | 59.30                      | 0         | 0.00          | 0.0               |              |
| 3    | 60.40                      | 0         | 0.00          | 0.0               |              |
| 4    | 61.60                      | 0         | 0.00          | 0.0               |              |
| 5    | 64.35                      | 0         | 0.00          | 0.0               |              |
| 6    | 67.50                      | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
Modified: 1/13/2014 10:52:48 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample#4**

Number of peaks found: 0                      Noise: 0.1

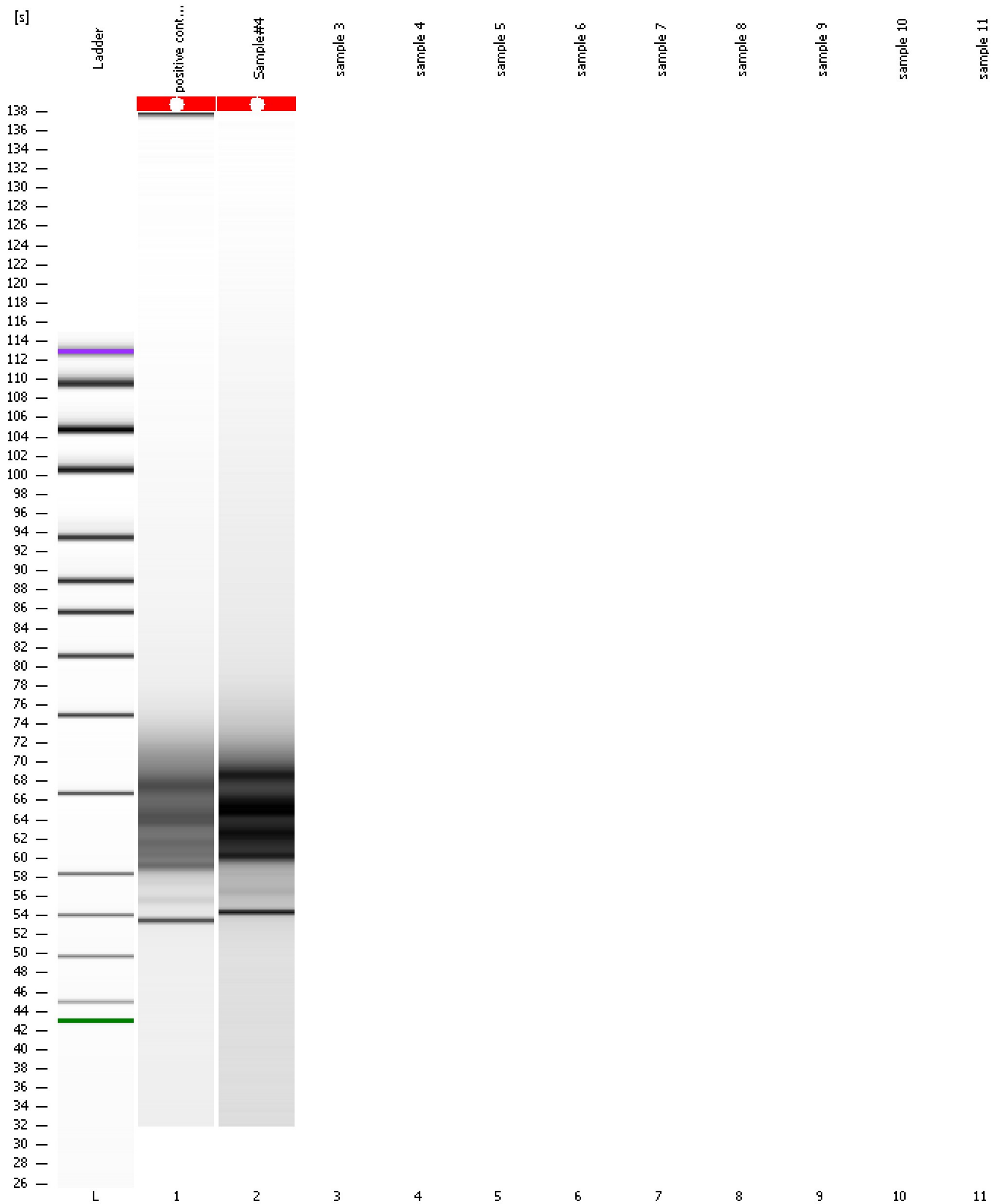
**Peak table for sample 2 : Sample#4**

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------|-------------------|--------------|
| 1    | 54.40                      | 0         | 0.00          | 0.0               |              |
| 2    | 60.30                      | 0         | 0.00          | 0.0               |              |
| 3    | 62.65                      | 0         | 0.00          | 0.0               |              |
| 4    | 64.85                      | 0         | 0.00          | 0.0               |              |
| 5    | 65.40                      | 0         | 0.00          | 0.0               |              |
| 6    | 68.65                      | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
Modified: 1/13/2014 10:52:48 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ttings\Bioanalyzer\2014-01-13\2014-01-13\2014-01-13\_001.xad

Created: 1/13/2014 10:35:06 AM  
Modified: 1/13/2014 10:52:48 AM

**Invalid Samples**

- Sample 3 has not been run, no results available.
- Sample 4 has not been run, no results available.
- Sample 5 has not been run, no results available.
- Sample 6 has not been run, no results available.
- Sample 7 has not been run, no results available.
- Sample 8 has not been run, no results available.
- Sample 9 has not been run, no results available.
- Sample 10 has not been run, no results available.
- Sample 11 has not been run, no results available.