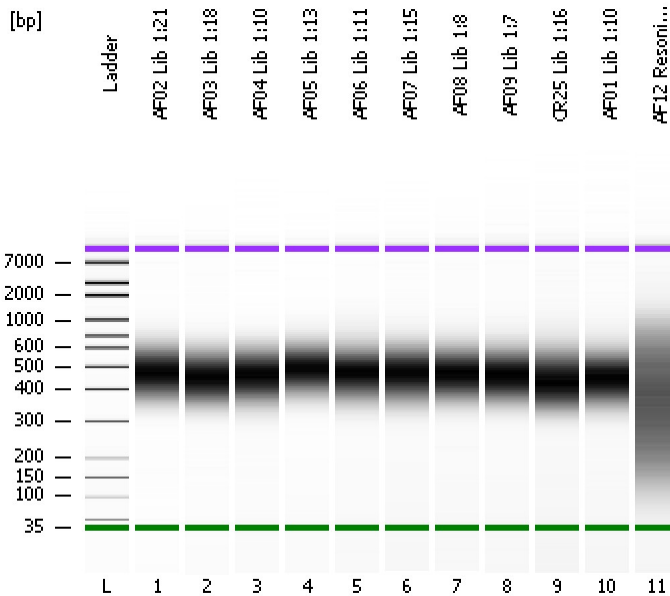


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
Modified: 6/26/2013 5:12:09 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

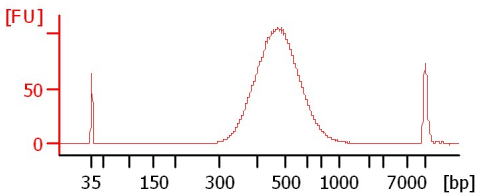
Assay Information:

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

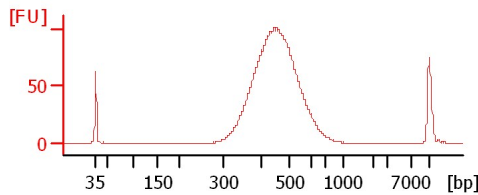
Chip Information:

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

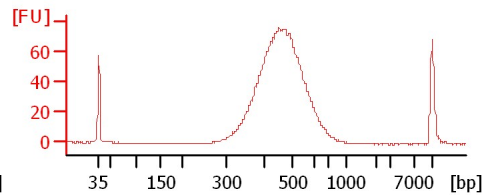
**AF02 Lib 1:21**



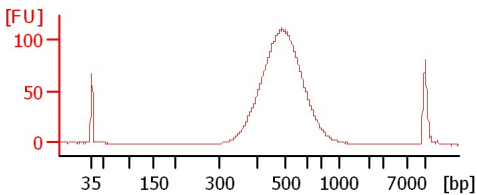
**AF03 Lib 1:18**



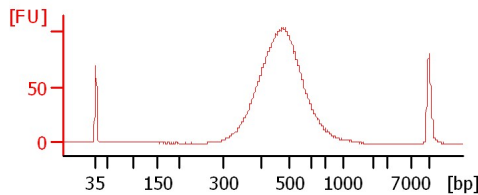
**AF04 Lib 1:10**



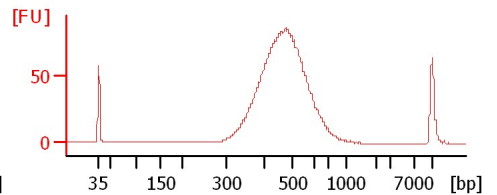
**AF05 Lib 1:13**



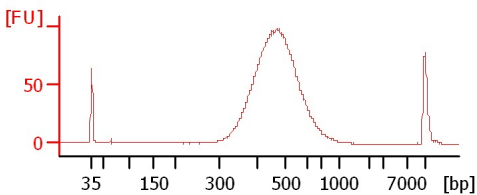
**AF06 Lib 1:11**



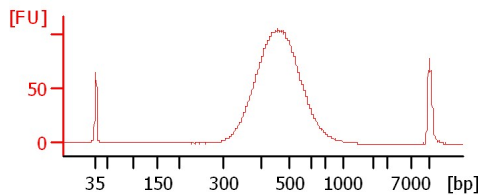
**AF07 Lib 1:15**



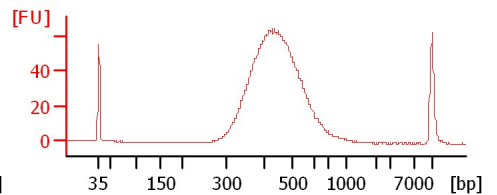
**AF08 Lib 1:8**



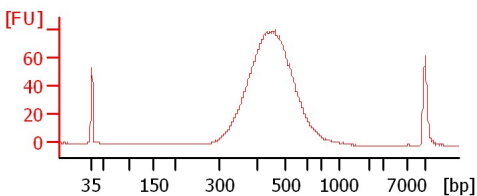
**AF09 Lib 1:7**



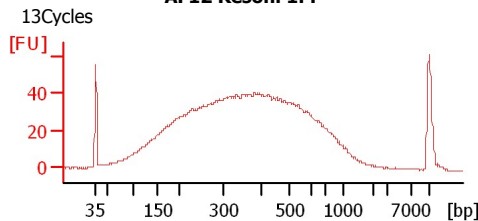
**CR25 Lib 1:16**



**AF01 Lib 1:10**



**AF12 Resoni 1:4**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

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

| Sample Name     | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| AF02 Lib 1:21   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF03 Lib 1:18   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF04 Lib 1:10   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF05 Lib 1:13   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF06 Lib 1:11   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF07 Lib 1:15   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF08 Lib 1:8    |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF09 Lib 1:7    |                | <input type="checkbox"/> | ✓      |             |              |              |
| CR25 Lib 1:16   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF01 Lib 1:10   |                | <input type="checkbox"/> | ✓      |             |              |              |
| AF12 Resoni 1:4 | 13Cycles       | <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\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
Modified: 6/26/2013 5:12:09 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

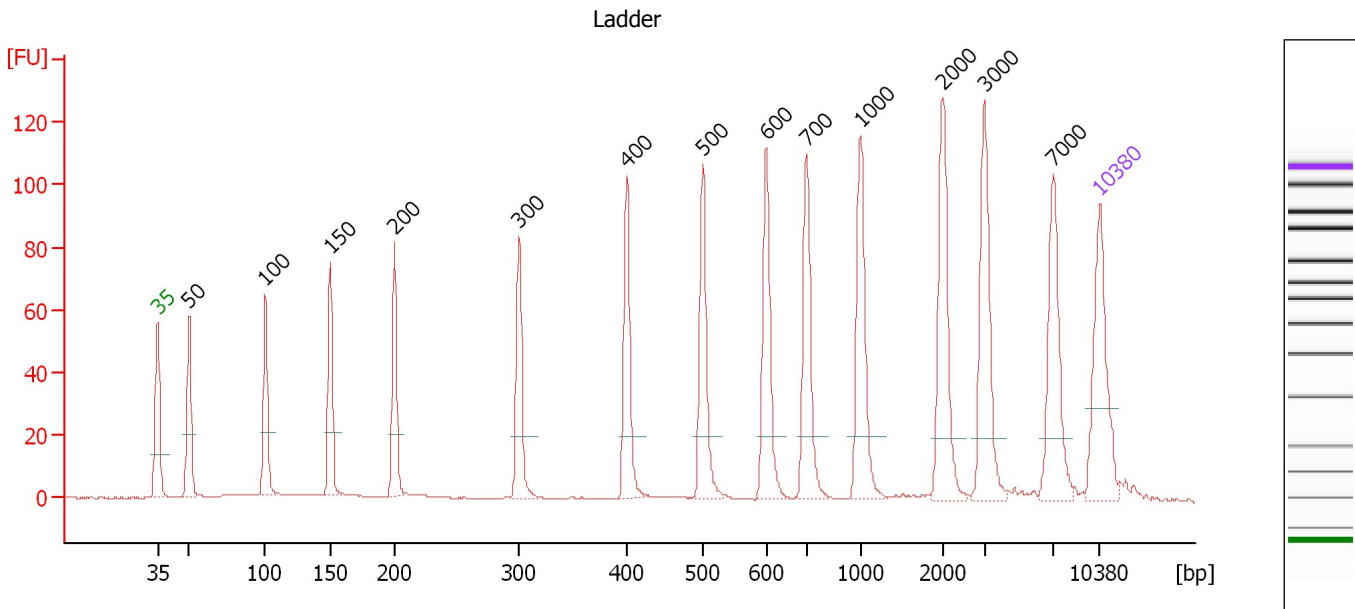
**Ladder**

| 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:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

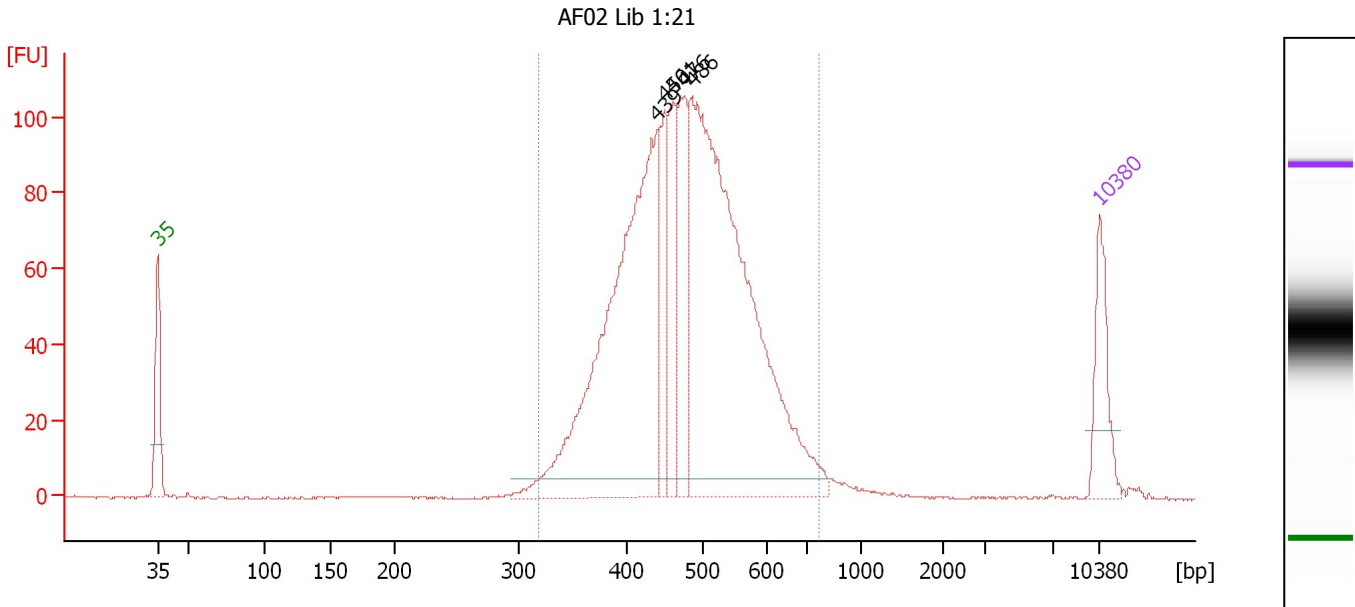
**Peak table for Ladder**

| 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 |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : AF02 Lib 1:21**

Number of peaks found: 5                      Corr. Area 1: 1,442.6  
 Noise: 0.1

**Peak table for sample 1 : AF02 Lib 1:21**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 439       | 783.47        | 2,701.1           |              |
| 3    | 450       | 114.62        | 385.9             |              |
| 4    | 461       | 135.29        | 444.2             |              |
| 5    | 476       | 172.13        | 547.8             |              |
| 6    | 486       | 973.73        | 3,036.4           |              |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker |

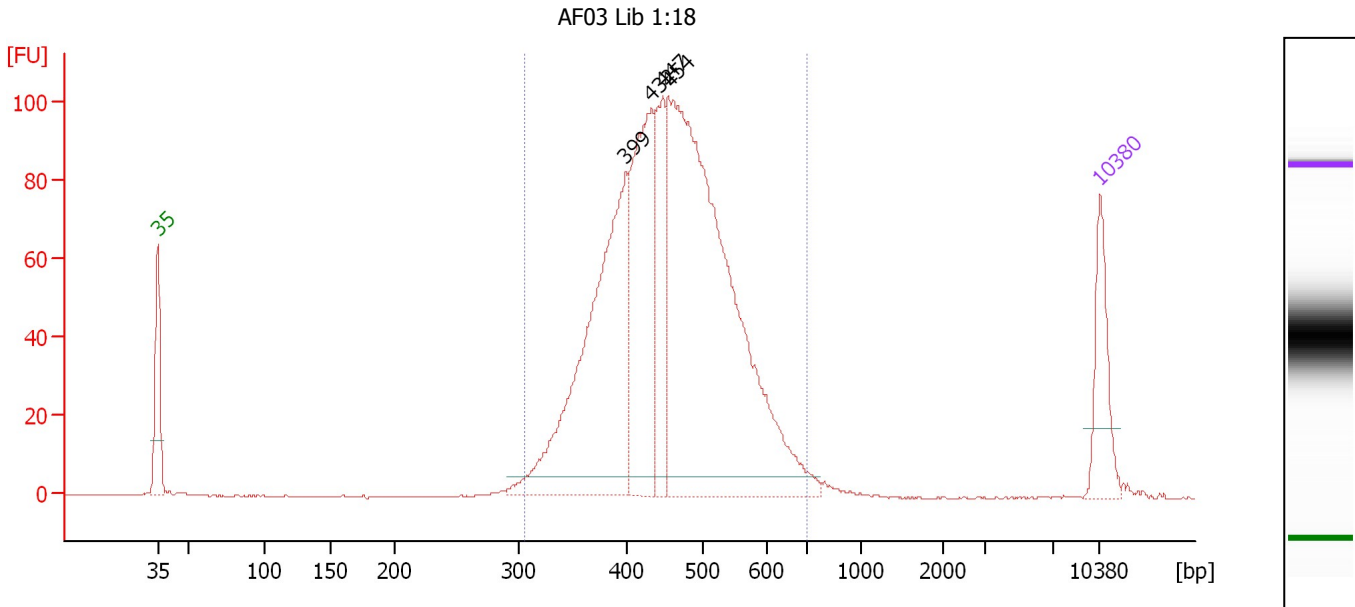
**Region table for sample 1 : AF02 Lib 1:21**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 318       | 766     | 480               | 7,016.2           | 2,145.28      | 1,442.6    | 97         | 16.5                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : AF03 Lib 1:18**

Number of peaks found: 4                      Corr. Area 1: 1,402.0  
 Noise: 0.1

**Peak table for sample 2 : AF03 Lib 1:18**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 399       | 538.26        | 2,043.5           |              |
| 3    | 432       | 322.06        | 1,130.8           |              |
| 4    | 447       | 159.92        | 542.0             |              |
| 5    | 454       | 1,002.24      | 3,341.4           |              |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker |

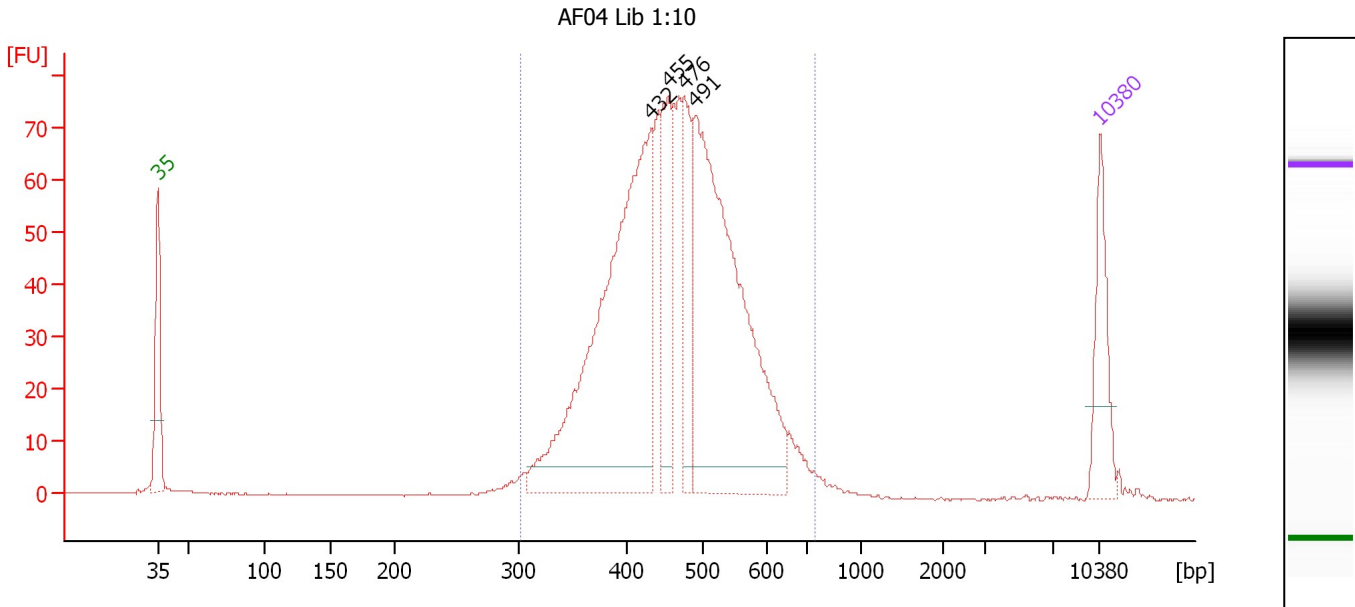
**Region table for sample 2 : AF03 Lib 1:18**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 305       | 700     | 458               | 6,840.0           | 2,001.51      | 1,402.0    | 97         | 16.1                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : AF04 Lib 1:10**

Number of peaks found: 4                      Corr. Area 1: 1,054.0  
 Noise: 0.1

**Peak table for sample 3 : AF04 Lib 1:10**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 432       | 659.19        | 2,314.4           |              |
| 3    | 455       | 146.84        | 489.2             |              |
| 4    | 476       | 120.75        | 384.0             |              |
| 5    | 491       | 624.46        | 1,928.4           |              |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker |

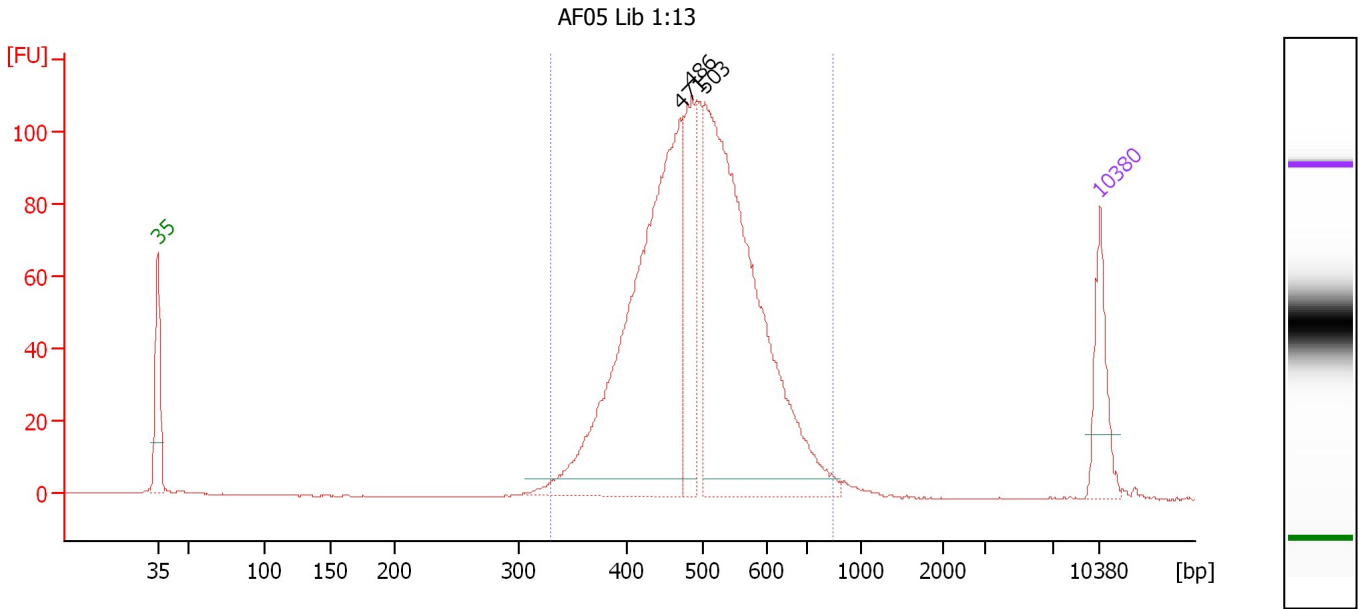
**Region table for sample 3 : AF04 Lib 1:10**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 301       | 741     | 467               | 6,160.1           | 1,832.48      | 1,054.0    | 98         | 16.5                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : AF05 Lib 1:13**

Number of peaks found: 3                      Corr. Area 1: 1,367.5  
 Noise: 0.2

**Peak table for sample 4 : AF05 Lib 1:13**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 471       | 849.06        | 2,733.9           |              |
| 3    | 486       | 189.60        | 591.4             |              |
| 4    | 503       | 903.57        | 2,721.6           |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 4 : AF05 Lib 1:13**

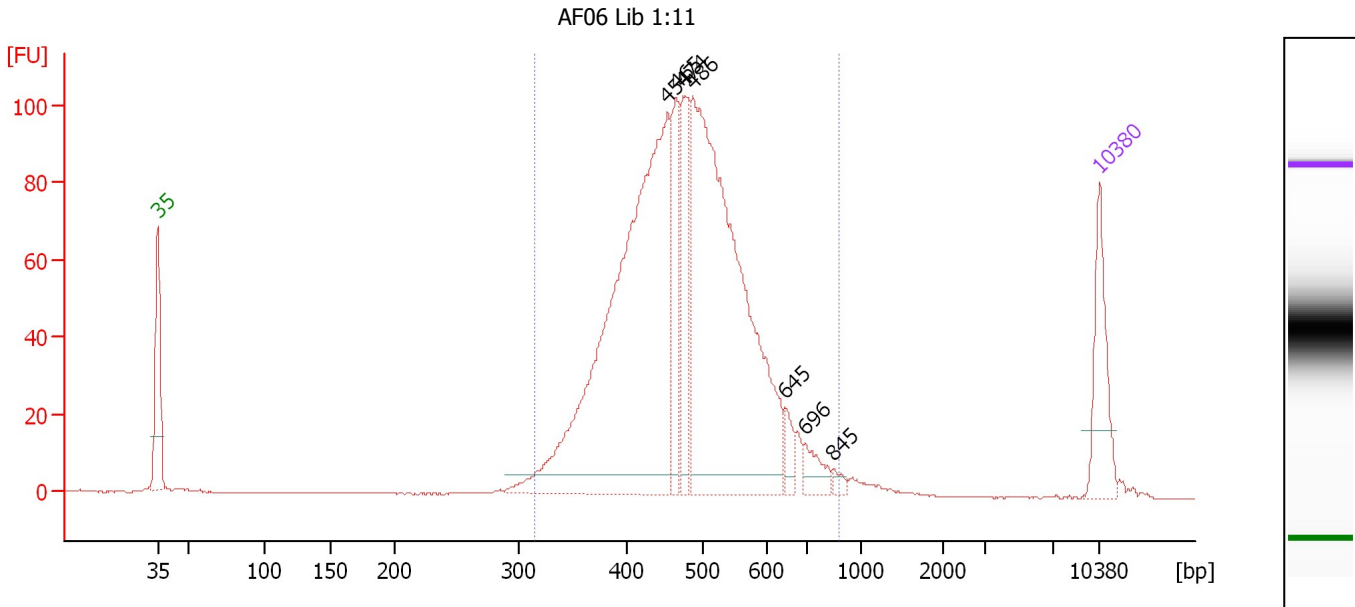
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 329       | 847     | 498               | 6,306.4           | 2,006.91      | 1,367.5    | 98         | 16.3                        | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : AF06 Lib 1:11**

Number of peaks found: 7                      Corr. Area 1: 1,379.6  
 Noise: 0.1

**Peak table for sample 5 : AF06 Lib 1:11**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 454       | 859.05        | 2,867.5           |              |
| 3    | 465       | 114.44        | 372.9             |              |
| 4    | 474       | 133.07        | 425.1             |              |
| 5    | 486       | 776.99        | 2,421.1           |              |
| 6    | 645       | 24.65         | 57.9              |              |
| 7    | 696       | 31.91         | 69.4              |              |
| 8    | 845       | 8.74          | 15.7              |              |
| 9    | 10,380    | 75.00         | 10.9              | Upper Marker |

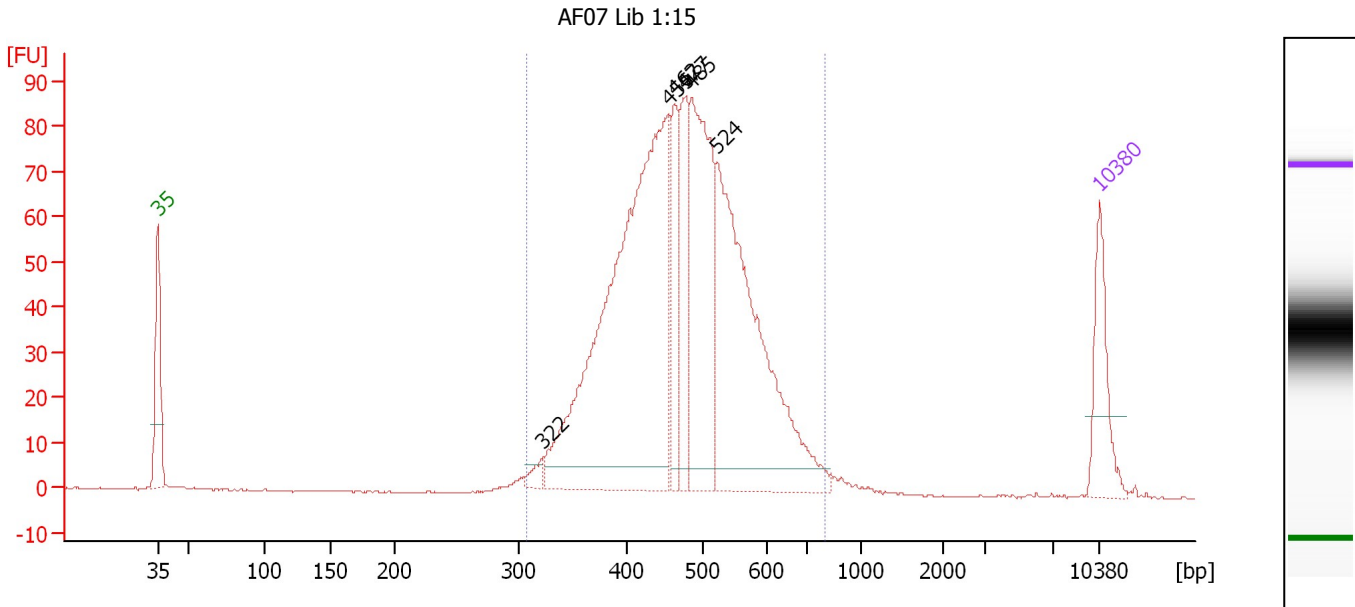
**Region table for sample 5 : AF06 Lib 1:11**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 314       | 882     | 481               | 6,494.5           | 1,984.04      | 1,379.6    | 96         | 17.9                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : AF07 Lib 1:15**

Number of peaks found: 6                      Corr. Area 1: 1,217.7  
 Noise: 0.2

**Peak table for sample 6 : AF07 Lib 1:15**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 322       | 16.92         | 79.6              |              |
| 3    | 455       | 863.83        | 2,878.3           |              |
| 4    | 462       | 112.06        | 367.2             |              |
| 5    | 477       | 148.09        | 470.4             |              |
| 6    | 485       | 317.03        | 990.9             |              |
| 7    | 524       | 527.81        | 1,526.9           |              |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker |

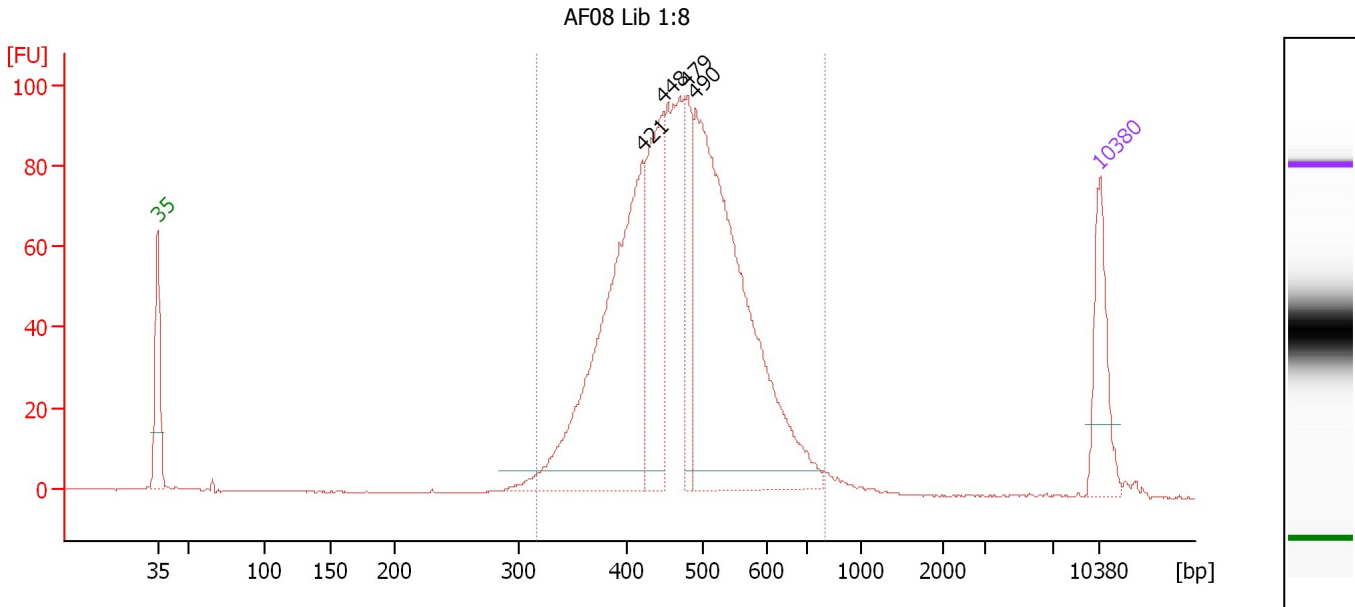
**Region table for sample 6 : AF07 Lib 1:15**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 307       | 799     | 476               | 6,758.5           | 2,044.59      | 1,217.7    | 97         | 17.3                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : AF08 Lib 1:8**

Number of peaks found: 4                      Corr. Area 1: 1,311.2  
 Noise: 0.1

**Peak table for sample 7 : AF08 Lib 1:8**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 421       | 526.11        | 1,893.3           |              |
| 3    | 448       | 217.55        | 735.9             |              |
| 4    | 479       | 110.96        | 350.9             |              |
| 5    | 490       | 686.88        | 2,122.3           |              |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker |

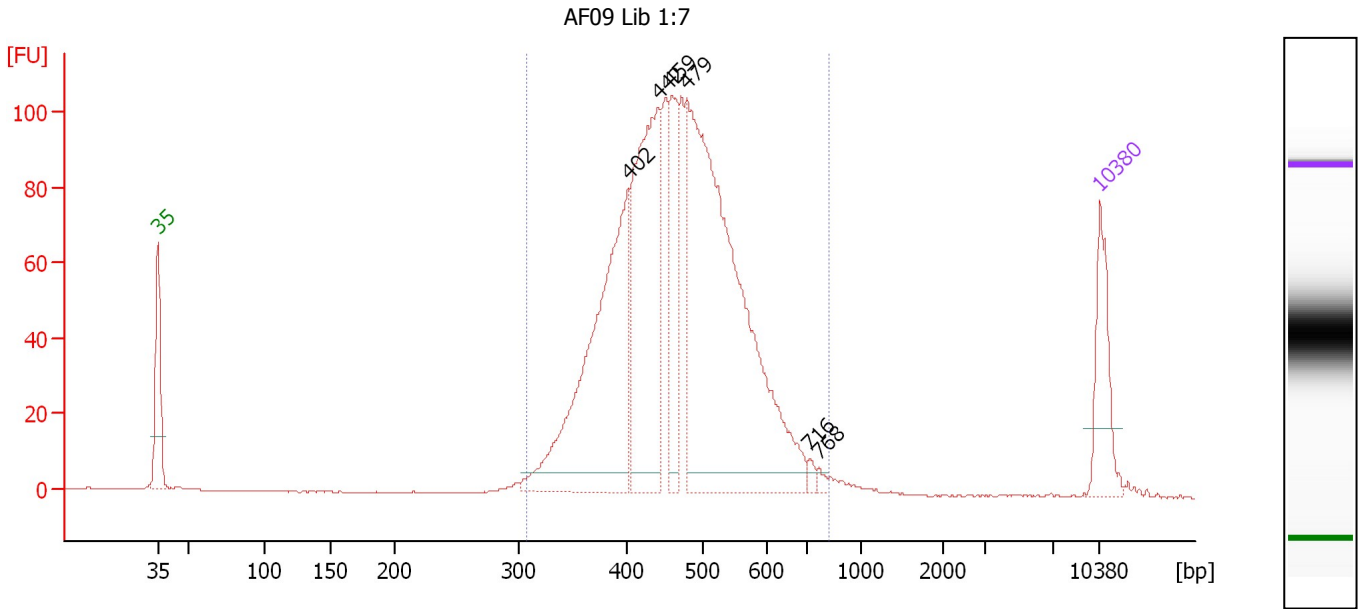
**Region table for sample 7 : AF08 Lib 1:8**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 316       | 800     | 475               | 5,925.6           | 1,795.72      | 1,311.2    | 96         | 16.7                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : AF09 Lib 1:7**

Number of peaks found: 6      Corr. Area 1: 1,444.2  
 Noise: 0.2

**Peak table for sample 8 : AF09 Lib 1:7**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 402       | 483.80        | 1,825.7           |              |
| 3    | 442       | 383.05        | 1,314.0           |              |
| 4    | 459       | 136.99        | 452.0             |              |
| 5    | 479       | 813.16        | 2,570.8           |              |
| 6    | 716       | 7.46          | 15.8              |              |
| 7    | 768       | 6.15          | 12.1              |              |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker |

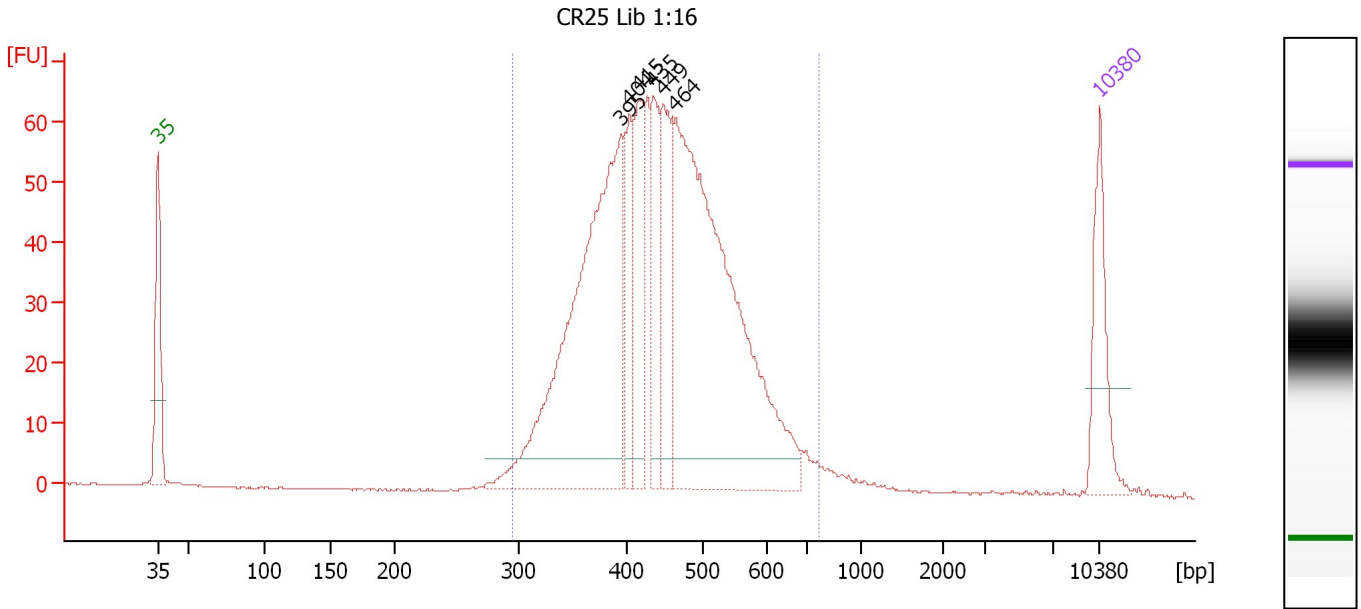
**Region table for sample 8 : AF09 Lib 1:7**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 306       | 823     | 470               | 6,856.5           | 2,049.85      | 1,444.2    | 97         | 17.1                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : CR25 Lib 1:16**

Number of peaks found: 6                      Corr. Area 1: 996.9  
 Noise: 0.1

**Peak table for sample 9 : CR25 Lib 1:16**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 395       | 576.72        | 2,212.8           |              |
| 3    | 404       | 98.40         | 368.9             |              |
| 4    | 415       | 116.73        | 425.7             |              |
| 5    | 435       | 101.28        | 353.0             |              |
| 6    | 449       | 126.00        | 425.5             |              |
| 7    | 464       | 688.76        | 2,251.3           |              |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker |

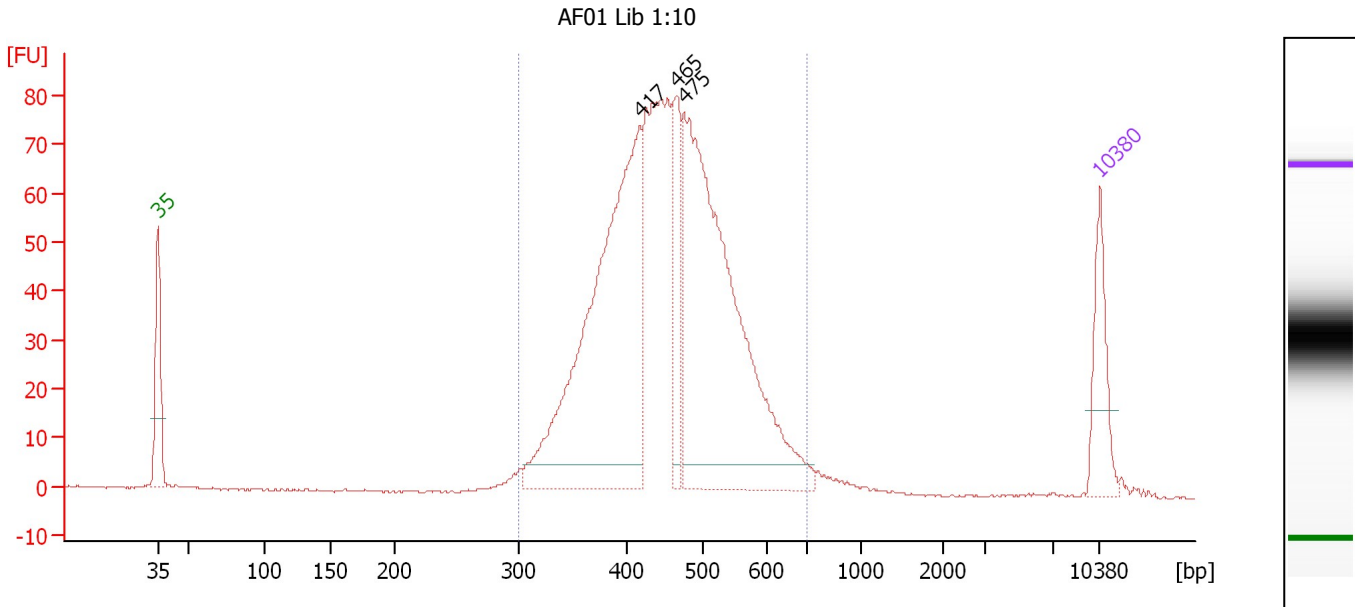
**Region table for sample 9 : CR25 Lib 1:16**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 294       | 772     | 450               | 6,379.5           | 1,816.69      | 996.9      | 97         | 18.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : AF01 Lib 1:10**

Number of peaks found: 3                      Corr. Area 1: 1,111.2  
 Noise: 0.3

**Peak table for sample 10 : AF01 Lib 1:10**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 417       | 721.56        | 2,619.6           |              |
| 3    | 465       | 124.91        | 407.1             |              |
| 4    | 475       | 761.11        | 2,425.7           |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

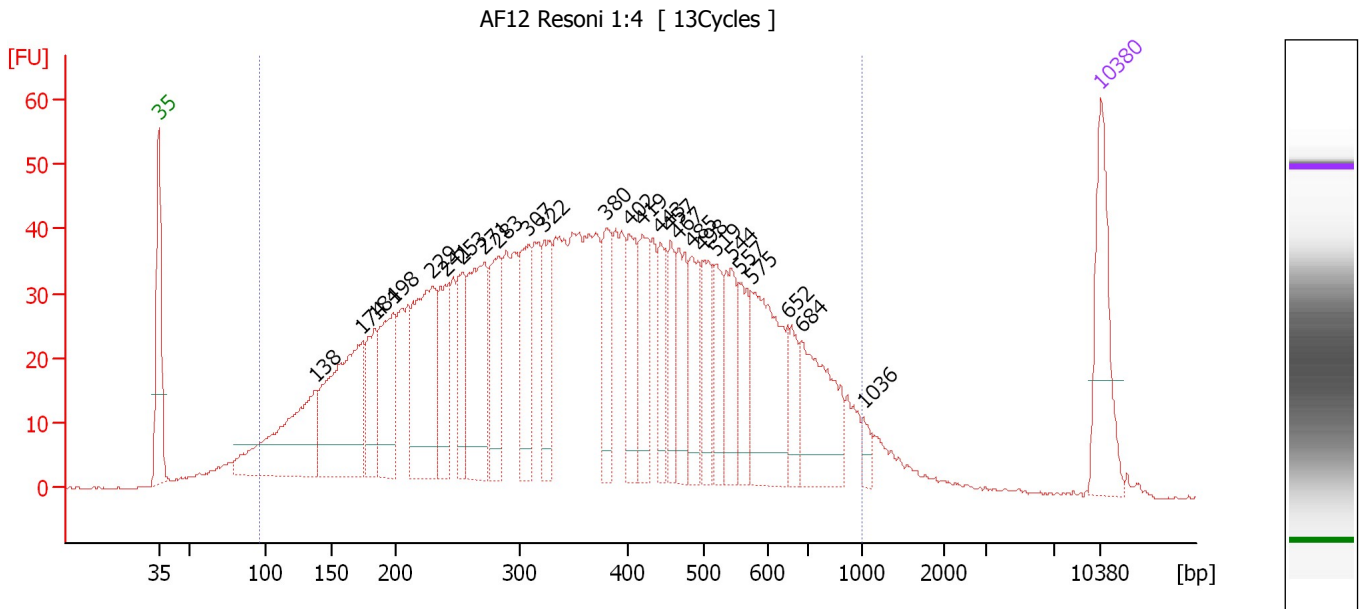
**Region table for sample 10 : AF01 Lib 1:10**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 299       | 704     | 456               | 7,056.4           | 2,051.93      | 1,111.2    | 97         | 16.4                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : AF12 Resoni 1:4**

Number of peaks found: 26                      Corr. Area 1: 1,802.5  
 Noise: 0.2

**Peak table for sample 11 : AF12 Resoni 1:4**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 138       | 187.97        | 2,065.3           |              |
| 3    | 174       | 221.57        | 1,933.4           |              |
| 4    | 184       | 75.79         | 623.4             |              |
| 5    | 198       | 113.49        | 868.6             |              |
| 6    | 229       | 184.77        | 1,221.4           |              |
| 7    | 241       | 77.99         | 491.3             |              |
| 8    | 253       | 66.28         | 396.2             |              |
| 9    | 271       | 149.35        | 834.2             |              |
| 10   | 283       | 90.14         | 483.3             |              |
| 11   | 307       | 89.67         | 442.0             |              |
| 12   | 322       | 70.26         | 330.1             |              |
| 13   | 380       | 72.96         | 290.7             |              |
| 14   | 402       | 64.34         | 242.3             |              |
| 15   | 419       | 67.66         | 244.5             |              |
| 16   | 443       | 49.10         | 167.9             |              |
| 17   | 457       | 48.35         | 160.5             |              |
| 18   | 467       | 64.71         | 209.9             |              |
| 19   | 485       | 58.73         | 183.5             |              |
| 20   | 498       | 57.68         | 175.4             |              |
| 21   | 519       | 48.21         | 140.7             |              |
| 22   | 544       | 66.04         | 183.8             |              |
| 23   | 557       | 49.55         | 134.8             |              |
| 24   | 575       | 131.61        | 346.7             |              |
| 25   | 652       | 34.41         | 79.9              |              |
| 26   | 684       | 106.17        | 235.1             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad


Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 11 : AF12 Resoni 1:4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 1,036     | 10.25         | 15.0              |              |
| 28   | 10,380    | 75.00         | 10.9              | Upper Marker |

#### Region table for sample 11 : AF12 Resoni 1:4

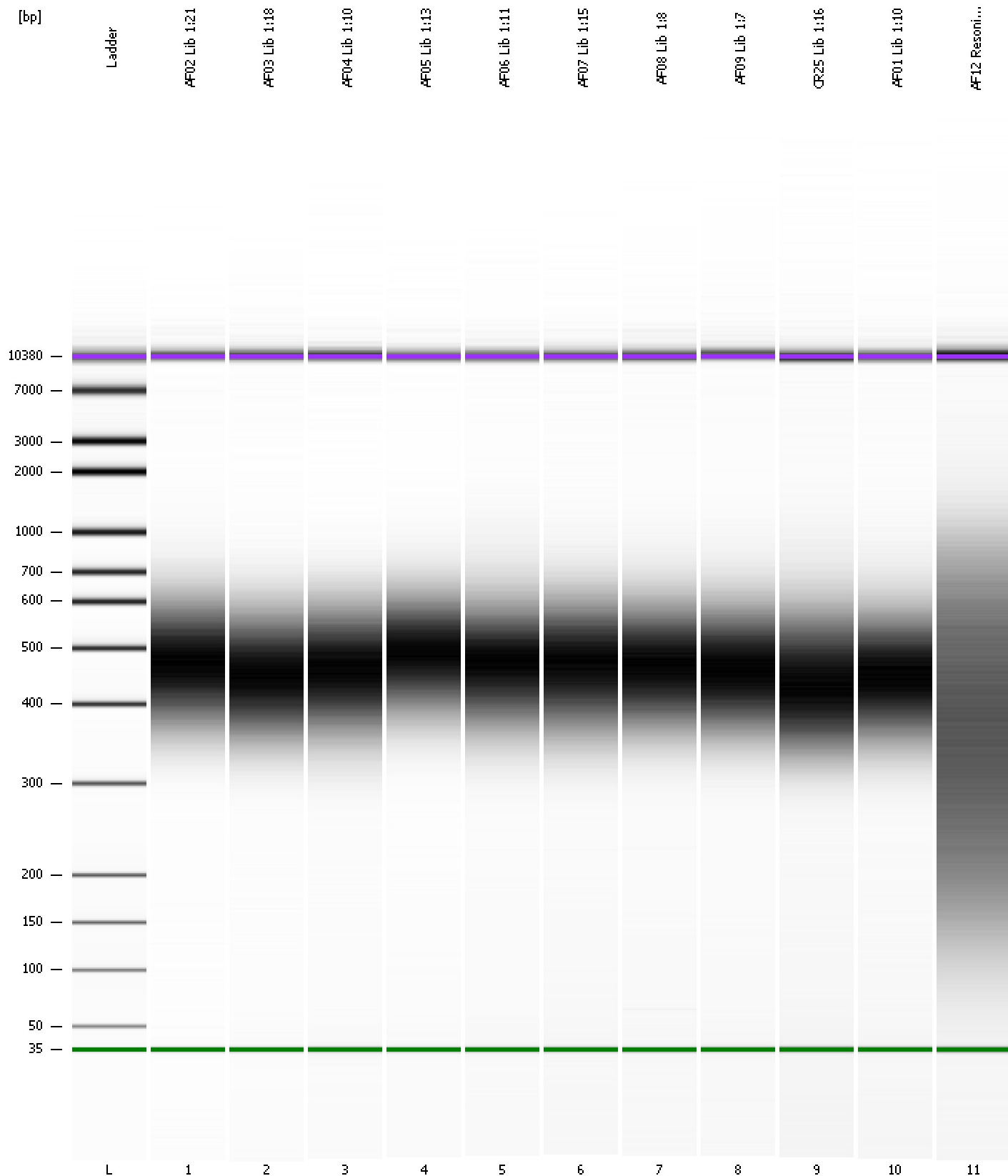
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 96        | 1,000   | 385               | 18,361.6          | 3,317.45      | 1,802.5    | 94         | 45.7                        |  |



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
Modified: 6/26/2013 5:12:09 PM

**Gel Image**

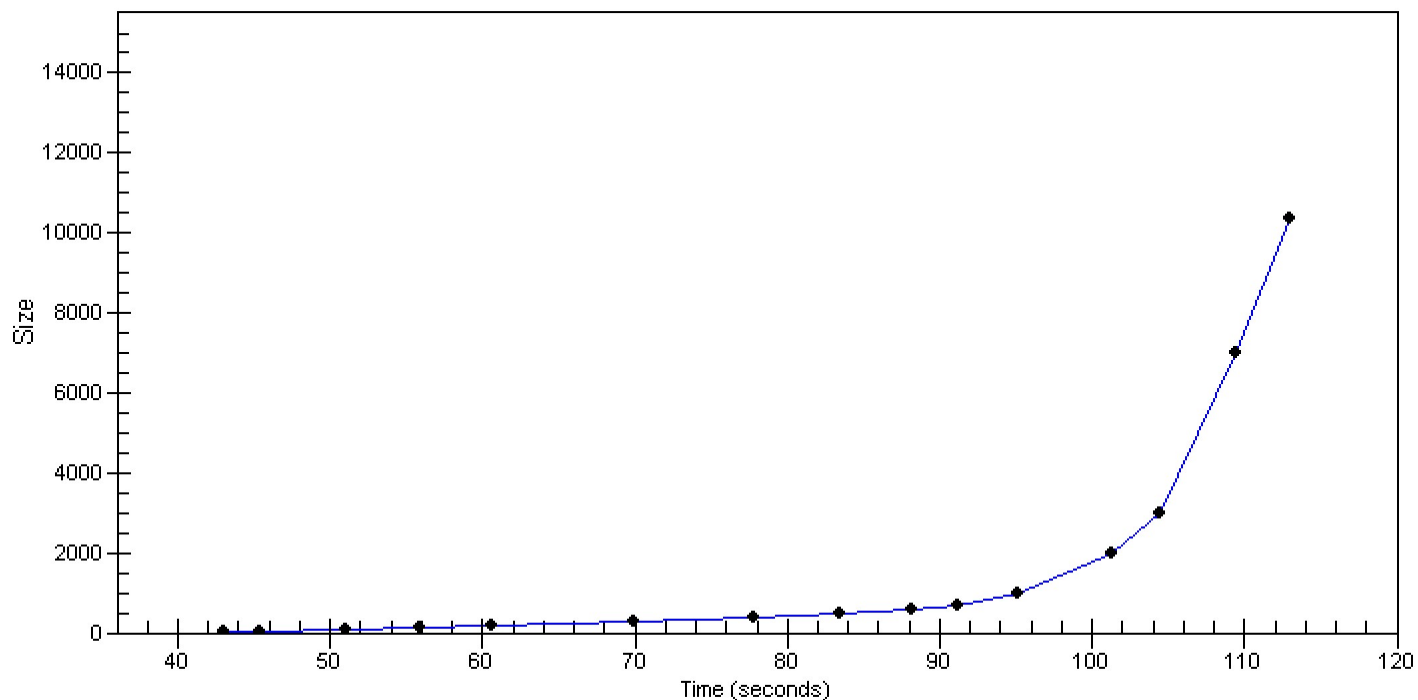


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
Modified: 6/26/2013 5:12:09 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-26\2013-06-26\_003.xad

Created: 6/26/2013 4:27:40 PM  
 Modified: 6/26/2013 5:12:09 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      |              | 6/26/2013 5:08:09 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-06-26\2013-06-26_003.xad) |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 6/26/2013 4:27:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |