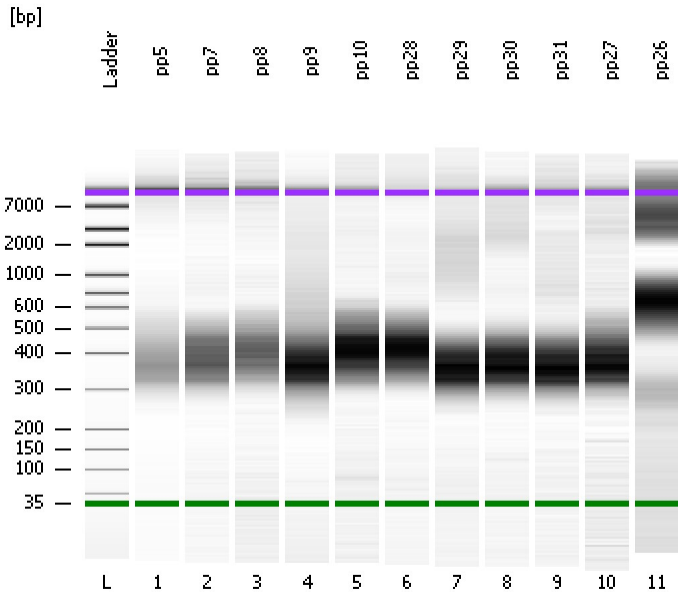


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
Modified: 2/6/2014 4:38:23 PM

### Electrophoresis File Run Summary



#### Instrument Information:

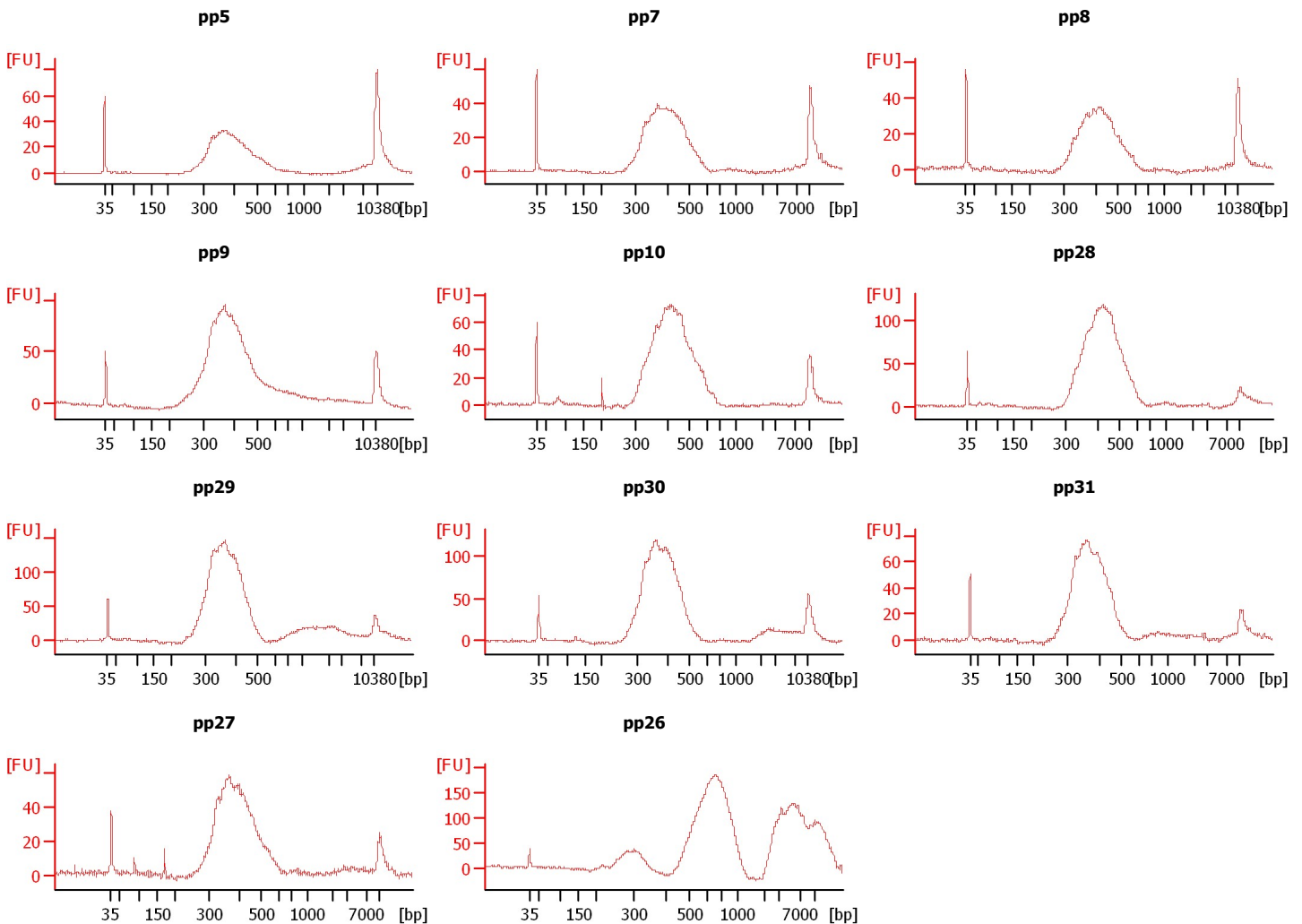
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
Modified: 2/6/2014 4:38:23 PM

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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| pp5         |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp7         |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp8         |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp9         |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp10        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp28        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp29        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp30        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp31        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp27        |                | <input type="checkbox"/> | ✓      |             |              |              |
| pp26        |                | <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\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
Modified: 2/6/2014 4:38:23 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

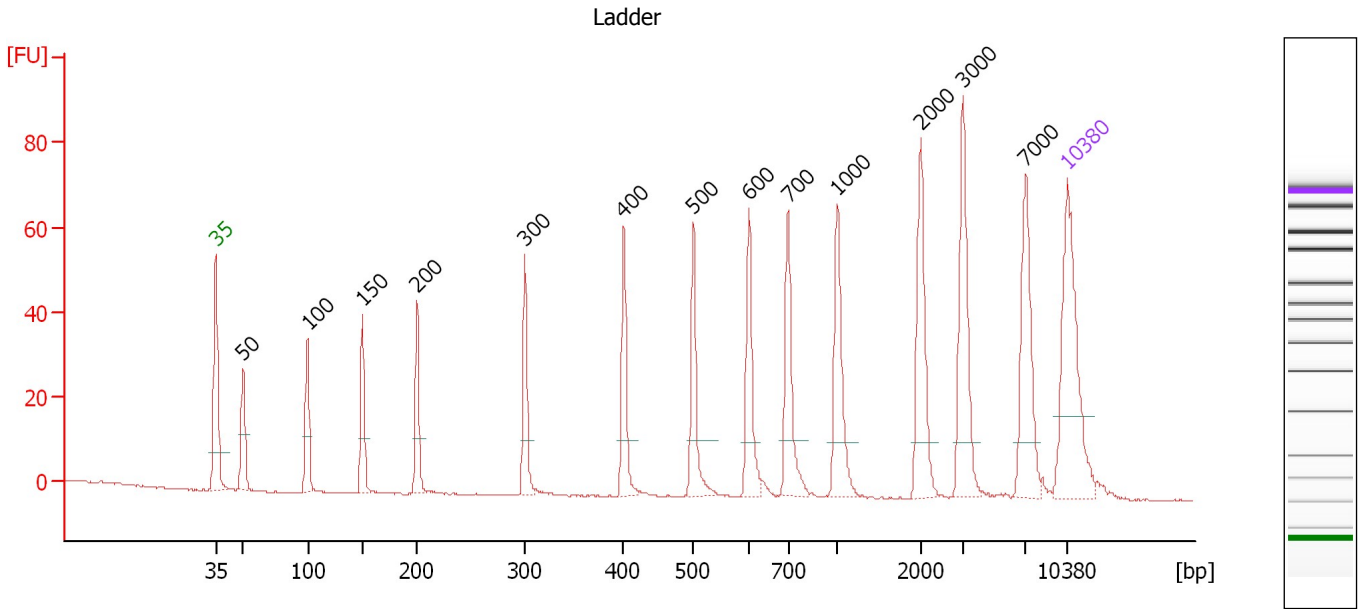
**Ladder**

| 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\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

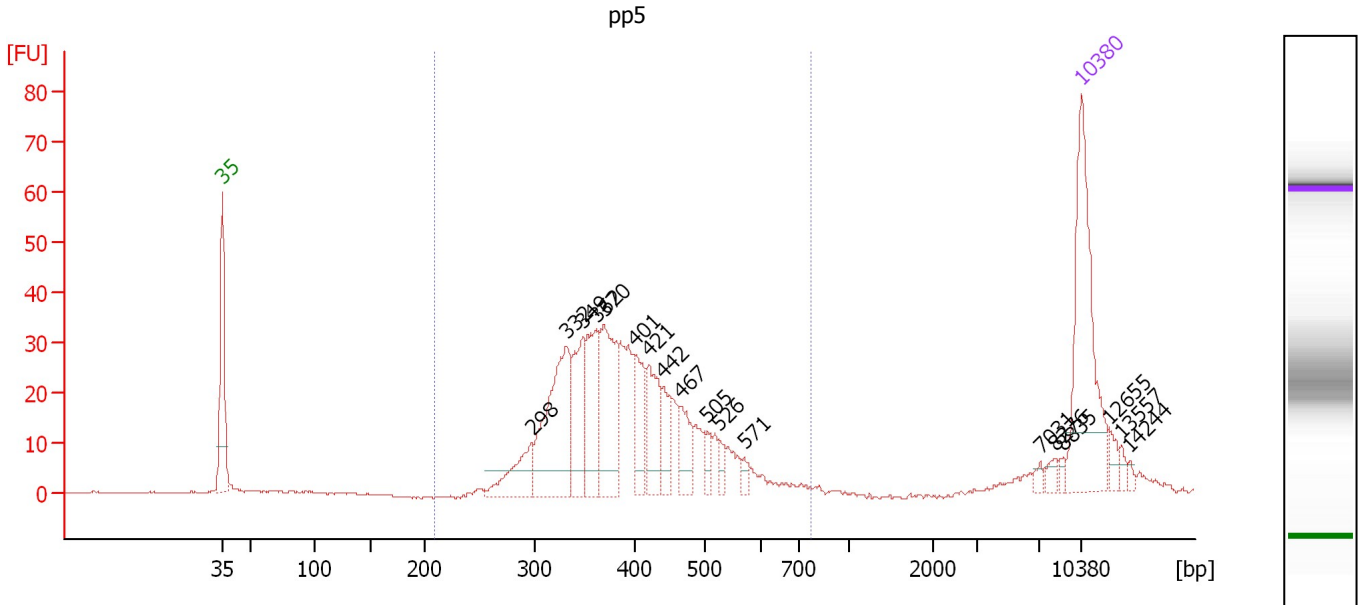
**Peak table for Ladder**

| 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    | 45.24                      | 50        | 150.00        | 4,545.5           | Ladder Peak  |
| 3    | 50.54                      | 100       | 150.00        | 2,272.7           | Ladder Peak  |
| 4    | 55.05                      | 150       | 150.00        | 1,515.2           | Ladder Peak  |
| 5    | 59.52                      | 200       | 150.00        | 1,136.4           | Ladder Peak  |
| 6    | 68.42                      | 300       | 150.00        | 757.6             | Ladder Peak  |
| 7    | 76.53                      | 400       | 150.00        | 568.2             | Ladder Peak  |
| 8    | 82.27                      | 500       | 150.00        | 454.5             | Ladder Peak  |
| 9    | 86.83                      | 600       | 150.00        | 378.8             | Ladder Peak  |
| 10   | 90.03                      | 700       | 150.00        | 324.7             | Ladder Peak  |
| 11   | 94.11                      | 1,000     | 150.00        | 227.3             | Ladder Peak  |
| 12   | 100.95                     | 2,000     | 150.00        | 113.6             | Ladder Peak  |
| 13   | 104.41                     | 3,000     | 150.00        | 75.8              | Ladder Peak  |
| 14   | 109.58                     | 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:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : pp5**

Number of peaks found: 18                      Corr. Area 1: 530.2  
 Noise: 0.2

**Peak table for sample 1 : pp5**

| 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    | 68.23                      | 298       | 34.08         | 173.4             |              |
| 3    | 71.01                      | 332       | 98.57         | 450.0             |              |
| 4    | 72.40                      | 349       | 46.32         | 201.1             |              |
| 5    | 73.48                      | 362       | 52.88         | 221.1             |              |
| 6    | 74.14                      | 370       | 65.02         | 265.9             |              |
| 7    | 76.61                      | 401       | 31.29         | 118.1             |              |
| 8    | 77.74                      | 421       | 36.83         | 132.5             |              |
| 9    | 78.96                      | 442       | 19.87         | 68.1              |              |
| 10   | 80.39                      | 467       | 20.88         | 67.7              |              |
| 11   | 82.52                      | 505       | 8.83          | 26.5              |              |
| 12   | 83.47                      | 526       | 6.63          | 19.1              |              |
| 13   | 85.51                      | 571       | 4.40          | 11.7              |              |
| 14   | 109.61                     | 7,031     | 2.88          | 0.6               |              |
| 15   | 110.87                     | 8,276     | 4.05          | 0.7               |              |
| 16   | 111.44                     | 8,835     | 2.61          | 0.4               |              |
| 17   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 18   | 115.30                     | 12,655    | 0.00          | 0.0               |              |
| 19   | 116.21                     | 13,557    | 0.00          | 0.0               |              |
| 20   | 116.91                     | 14,244    | 0.00          | 0.0               |              |

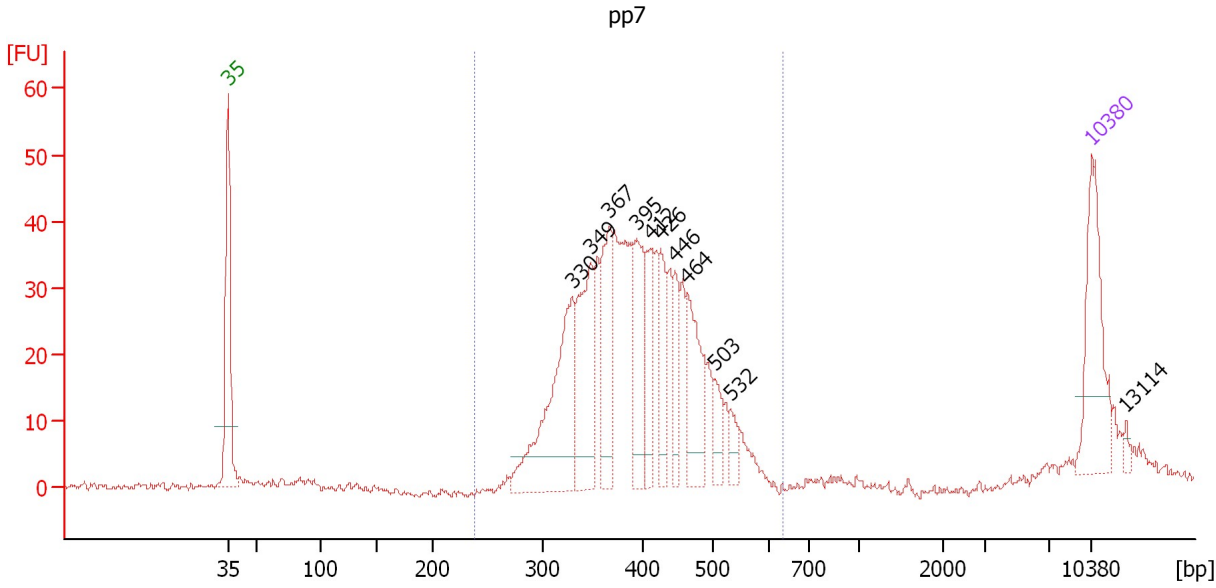
**Region table for sample 1 : pp5**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 208       | 767     | 399               | 2,068.2           | 520.89        | 530.2      | 91         | 19.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : pp7**

Number of peaks found: 11                      Corr. Area 1: 605.8  
 Noise: 0.4

**Peak table for sample 2 : pp7**

| 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    | 70.87                      | 330       | 179.06        | 821.7             |              |
| 3    | 72.43                      | 349       | 115.15        | 499.4             |              |
| 4    | 73.85                      | 367       | 90.82         | 375.0             |              |
| 5    | 76.10                      | 395       | 79.88         | 306.7             |              |
| 6    | 77.22                      | 412       | 52.00         | 191.2             |              |
| 7    | 78.04                      | 426       | 45.85         | 163.0             |              |
| 8    | 79.17                      | 446       | 38.63         | 131.3             |              |
| 9    | 80.20                      | 464       | 79.51         | 259.7             |              |
| 10   | 82.41                      | 503       | 23.62         | 71.2              |              |
| 11   | 83.75                      | 532       | 14.98         | 42.6              |              |
| 12   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 13   | 115.77                     | 13,114    | 0.00          | 0.0               |              |

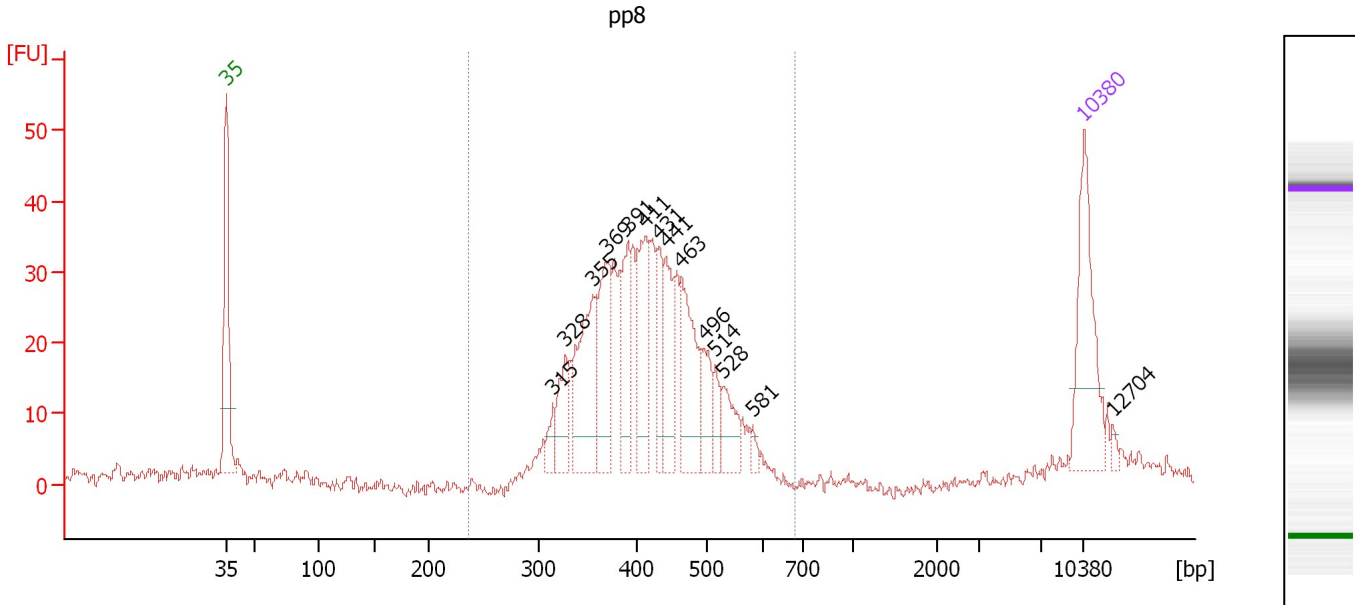
**Region table for sample 2 : pp7**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 240       | 633     | 401               | 4,098.5           | 1,052.16      | 605.8      | 94         | 15.8                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : pp8**

Number of peaks found: 14                      Corr. Area 1: 474.3  
 Noise: 1.0

**Peak table for sample 3 : pp8**

| 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    | 69.64                      | 315       | 16.78         | 80.7              |              |
| 3    | 70.69                      | 328       | 40.98         | 189.3             |              |
| 4    | 72.91                      | 355       | 109.68        | 467.7             |              |
| 5    | 74.00                      | 369       | 79.30         | 325.8             |              |
| 6    | 75.78                      | 391       | 56.81         | 220.3             |              |
| 7    | 77.17                      | 411       | 77.79         | 286.7             |              |
| 8    | 78.30                      | 431       | 42.81         | 150.5             |              |
| 9    | 78.87                      | 441       | 53.56         | 184.1             |              |
| 10   | 80.13                      | 463       | 79.94         | 261.7             |              |
| 11   | 82.05                      | 496       | 32.25         | 98.5              |              |
| 12   | 82.92                      | 514       | 18.57         | 54.7              |              |
| 13   | 83.57                      | 528       | 33.06         | 94.8              |              |
| 14   | 85.97                      | 581       | 7.01          | 18.3              |              |
| 15   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 115.35                     | 12,704    | 0.00          | 0.0               |              |

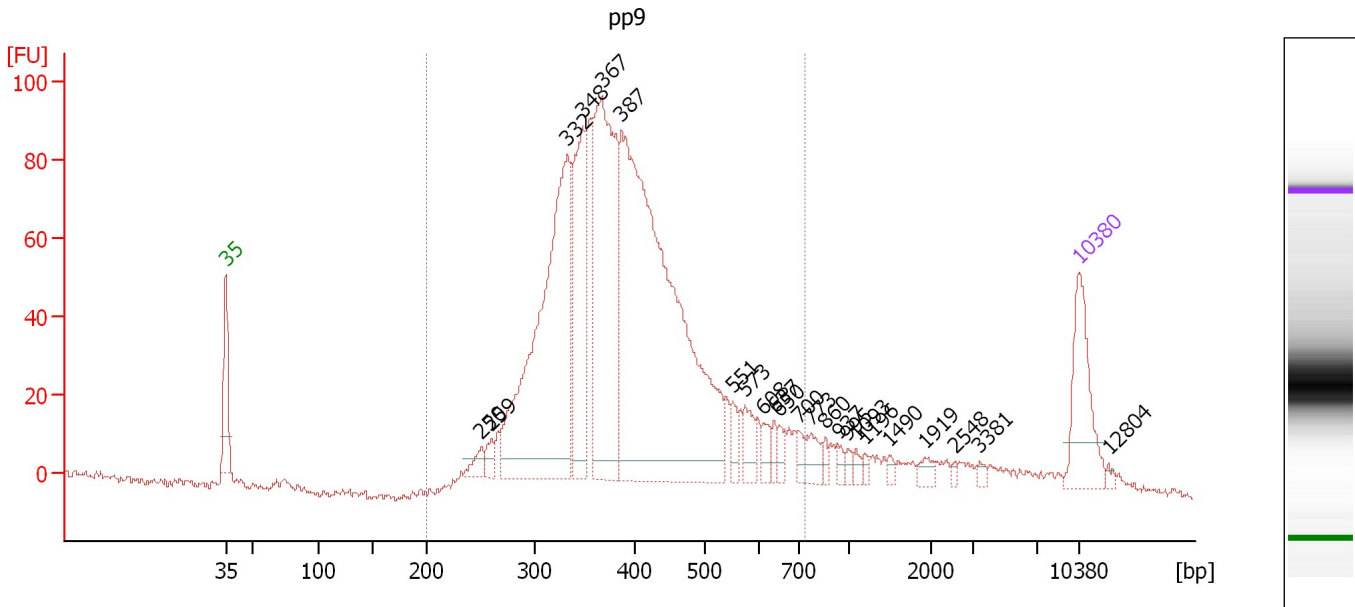
**Region table for sample 3 : pp8**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 237       | 681     | 417               | 3,129.6           | 837.81        | 474.3      | 97         | 15.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : pp9**

Number of peaks found: 23                      Corr. Area 1: 1,615.7  
 Noise: 1.2

**Peak table for sample 4 : pp9**

| 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    | 63.97                      | 250       | 19.64         | 119.0             |              |
| 3    | 64.80                      | 259       | 17.40         | 101.7             |              |
| 4    | 71.02                      | 332       | 522.60        | 2,385.0           |              |
| 5    | 72.29                      | 348       | 195.35        | 851.4             |              |
| 6    | 73.86                      | 367       | 378.39        | 1,561.8           |              |
| 7    | 75.48                      | 387       | 828.87        | 3,244.6           |              |
| 8    | 84.59                      | 551       | 19.74         | 54.3              |              |
| 9    | 85.60                      | 573       | 29.01         | 76.7              |              |
| 10   | 87.08                      | 608       | 15.70         | 39.1              |              |
| 11   | 88.00                      | 637       | 12.06         | 28.7              |              |
| 12   | 88.44                      | 650       | 13.15         | 30.6              |              |
| 13   | 90.02                      | 700       | 11.99         | 26.0              |              |
| 14   | 91.02                      | 773       | 22.14         | 43.4              |              |
| 15   | 92.21                      | 860       | 7.98          | 14.1              |              |
| 16   | 93.26                      | 937       | 6.52          | 10.5              |              |
| 17   | 94.04                      | 995       | 7.20          | 11.0              |              |
| 18   | 94.74                      | 1,093     | 6.47          | 9.0               |              |
| 19   | 95.45                      | 1,196     | 4.93          | 6.2               |              |
| 20   | 97.46                      | 1,490     | 4.96          | 5.0               |              |
| 21   | 100.39                     | 1,919     | 9.29          | 7.3               |              |
| 22   | 102.84                     | 2,548     | 3.30          | 2.0               |              |
| 23   | 104.90                     | 3,381     | 4.73          | 2.1               |              |
| 24   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 25   | 115.45                     | 12,804    | 0.00          | 0.0               |              |



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**

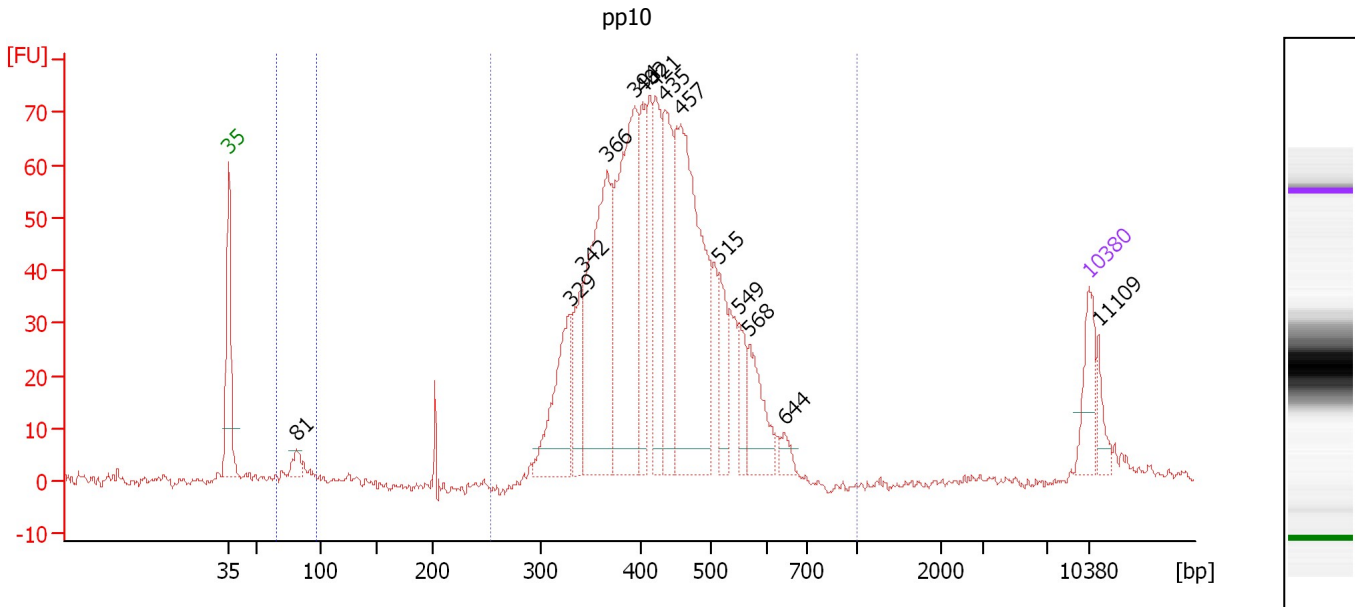
... Region table for sample 4 : pp9

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 734     | 400               | 9,008.9           | 2,240.40      | 1,615.7    | 91         | 22.4                        | ■     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : pp10**

Number of peaks found: 14                      Corr. Area 1: 1,132.3  
 Noise: 0.8    Corr. Area 2: 19.7

**Peak table for sample 5 : pp10**

| 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    | 48.51                      | 81        | 39.70         | 743.9             |              |
| 3    | 70.76                      | 329       | 251.21        | 1,157.6           |              |
| 4    | 71.80                      | 342       | 148.86        | 660.2             |              |
| 5    | 73.79                      | 366       | 513.38        | 2,124.0           |              |
| 6    | 76.05                      | 394       | 588.92        | 2,264.5           |              |
| 7    | 76.66                      | 402       | 167.96        | 632.8             |              |
| 8    | 77.74                      | 421       | 217.72        | 783.5             |              |
| 9    | 78.52                      | 435       | 267.34        | 932.0             |              |
| 10   | 79.78                      | 457       | 684.14        | 2,270.5           |              |
| 11   | 82.94                      | 515       | 111.80        | 329.1             |              |
| 12   | 84.51                      | 549       | 68.69         | 189.6             |              |
| 13   | 85.37                      | 568       | 133.58        | 356.3             |              |
| 14   | 88.24                      | 644       | 26.40         | 62.1              |              |
| 15   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 113.74                     | 11,109    | 0.00          | 0.0               |              |

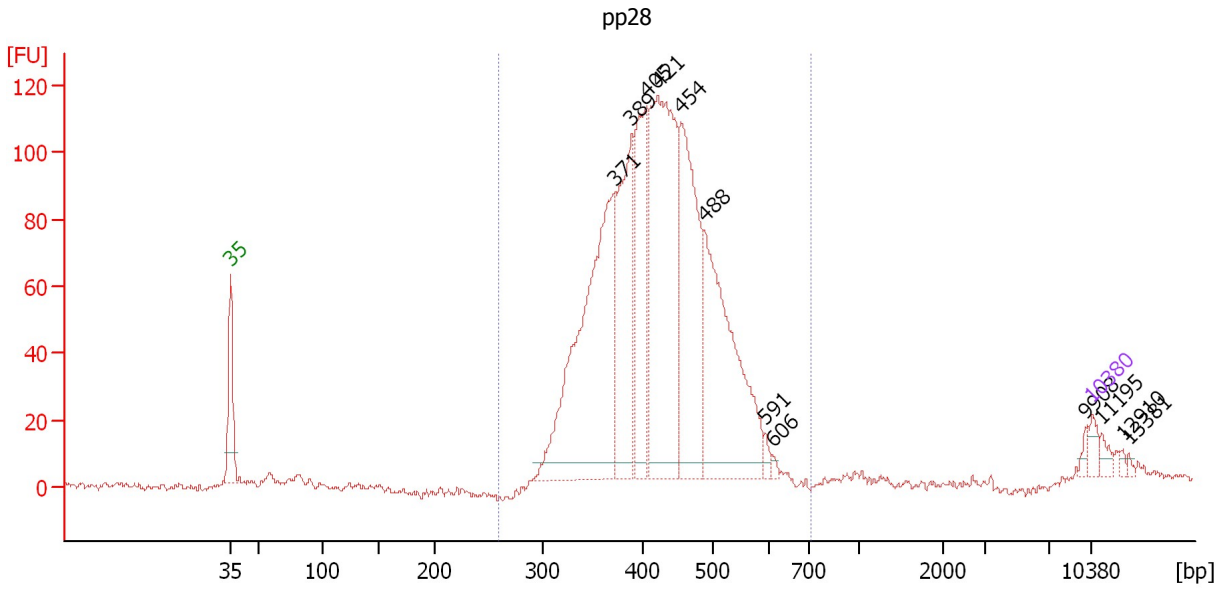
**Region table for sample 5 : pp10**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color     |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-----------|
| 66        | 96      | 81                | 1,707.3           | 91.72         | 19.7       | 2          | 8.3                         | Blue      |
| 255       | 1,000   | 429               | 13,395.4          | 3,658.21      | 1,132.3    | 92         | 17.3                        | Dark Blue |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : pp28**

Number of peaks found: 12                      Corr. Area 1: 1,620.4  
 Noise: 1.2

**Peak table for sample 6 : pp28**

| 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    | 74.18                      | 371       | 3,144.99      | 12,842.6          |              |
| 3    | 75.61                      | 389       | 1,502.86      | 5,858.3           |              |
| 4    | 76.83                      | 405       | 1,308.95      | 4,894.8           |              |
| 5    | 77.74                      | 421       | 2,798.64      | 10,071.2          |              |
| 6    | 79.60                      | 454       | 1,865.12      | 6,231.1           |              |
| 7    | 81.56                      | 488       | 2,119.48      | 6,587.2           |              |
| 8    | 86.41                      | 591       | 57.43         | 147.3             |              |
| 9    | 87.02                      | 606       | 31.42         | 78.6              |              |
| 10   | 112.52                     | 9,908     | 41.31         | 6.3               |              |
| 11   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 12   | 113.82                     | 11,195    | 0.00          | 0.0               |              |
| 13   | 115.56                     | 12,910    | 0.00          | 0.0               |              |
| 14   | 116.04                     | 13,381    | 0.00          | 0.0               |              |

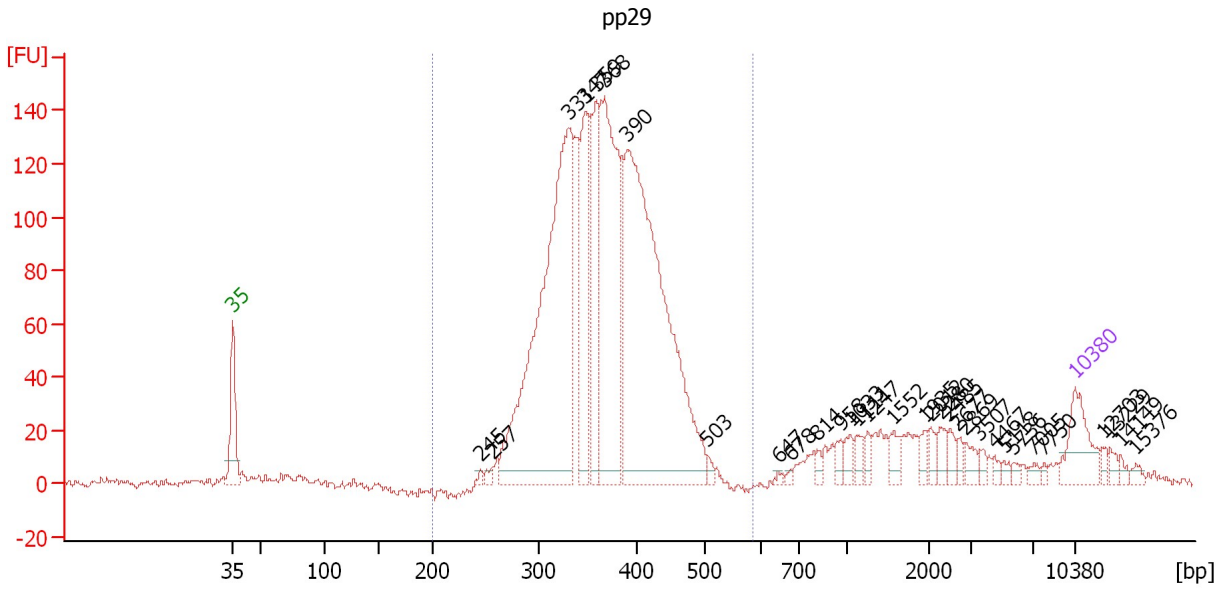
**Region table for sample 6 : pp28**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 258       | 711     | 426               | 48,532.1          | 13,248.11     | 1,620.4    | 97         | 15.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : pp29**

Number of peaks found: 32                      Corr. Area 1: 2,029.1  
 Noise: 1.3

**Peak table for sample 7 : pp29**

| 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    | 63.53                      | 245       | 7.47          | 46.2              |              |
| 3    | 64.59                      | 257       | 12.27         | 72.3              |              |
| 4    | 70.93                      | 331       | 1,106.21      | 5,065.0           |              |
| 5    | 72.26                      | 347       | 276.51        | 1,206.3           |              |
| 6    | 73.23                      | 359       | 217.13        | 915.5             |              |
| 7    | 73.90                      | 368       | 606.97        | 2,502.2           |              |
| 8    | 75.76                      | 390       | 1,143.05      | 4,435.1           |              |
| 9    | 82.41                      | 503       | 12.98         | 39.1              |              |
| 10   | 88.35                      | 647       | 4.29          | 10.0              |              |
| 11   | 89.33                      | 678       | 4.73          | 10.6              |              |
| 12   | 91.59                      | 814       | 12.61         | 23.5              |              |
| 13   | 93.54                      | 958       | 17.52         | 27.7              |              |
| 14   | 94.34                      | 1,033     | 21.21         | 31.1              |              |
| 15   | 94.87                      | 1,111     | 20.12         | 27.4              |              |
| 16   | 95.80                      | 1,247     | 15.56         | 18.9              |              |
| 17   | 97.88                      | 1,552     | 23.63         | 23.1              |              |
| 18   | 100.50                     | 1,935     | 16.34         | 12.8              |              |
| 19   | 100.99                     | 2,012     | 15.58         | 11.7              |              |
| 20   | 101.92                     | 2,280     | 24.54         | 16.3              |              |
| 21   | 102.63                     | 2,485     | 16.44         | 10.0              |              |
| 22   | 103.29                     | 2,677     | 11.74         | 6.6               |              |
| 23   | 103.96                     | 2,869     | 19.17         | 10.1              |              |
| 24   | 105.06                     | 3,507     | 11.04         | 4.8               |              |
| 25   | 106.31                     | 4,467     | 8.46          | 2.9               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : pp29

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------------|-------------------|--------------|
| 26   | 107.15                     | 5,118     | 7.48                | 2.2               |              |
| 27   | 107.95                     | 5,736     | 7.32                | 1.9               |              |
| 28   | 109.59                     | 7,005     | 8.40                | 1.8               |              |
| 29   | 110.34                     | 7,750     | 4.78                | 0.9               |              |
| 30   | 113.00                     | 10,380    | 75.00               | 10.9              | Upper Marker |
| 31   | 115.35                     | 12,703    | 0.00                | 0.0               |              |
| 32   | 115.88                     | 13,229    | 0.00                | 0.0               |              |
| 33   | 116.81                     | 14,149    | 0.00                | 0.0               |              |
| 34   | 118.05                     | 15,376    | 0.00                | 0.0               |              |

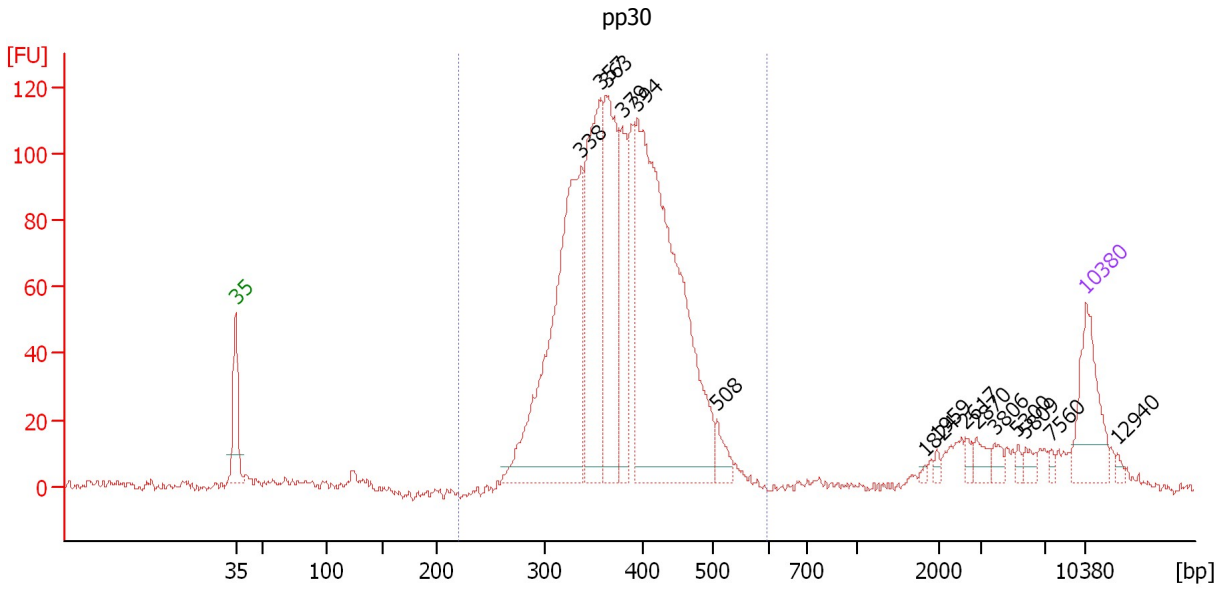
#### Region table for sample 7 : pp29

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 200       | 588     | 368               | 15,462.8          | 3,666.50            | 2,029.1    | 84         | 13.9                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : pp30**

Number of peaks found: 15                      Corr. Area 1: 1,681.5  
 Noise: 1.2

**Peak table for sample 8 : pp30**

| 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    | 71.48                      | 338       | 547.30        | 2,455.3           |              |
| 3    | 73.06                      | 357       | 299.81        | 1,271.7           |              |
| 4    | 73.50                      | 363       | 263.55        | 1,101.2           |              |
| 5    | 74.82                      | 379       | 135.33        | 541.2             |              |
| 6    | 76.05                      | 394       | 735.98        | 2,830.1           |              |
| 7    | 82.63                      | 508       | 28.30         | 84.4              |              |
| 8    | 99.75                      | 1,824     | 3.23          | 2.7               |              |
| 9    | 100.67                     | 1,959     | 5.46          | 4.2               |              |
| 10   | 103.08                     | 2,617     | 7.64          | 4.4               |              |
| 11   | 103.96                     | 2,870     | 14.93         | 7.9               |              |
| 12   | 105.45                     | 3,806     | 10.54         | 4.2               |              |
| 13   | 107.38                     | 5,300     | 4.99          | 1.4               |              |
| 14   | 108.04                     | 5,809     | 9.91          | 2.6               |              |
| 15   | 110.15                     | 7,560     | 4.65          | 0.9               |              |
| 16   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 17   | 115.59                     | 12,940    | 0.00          | 0.0               |              |

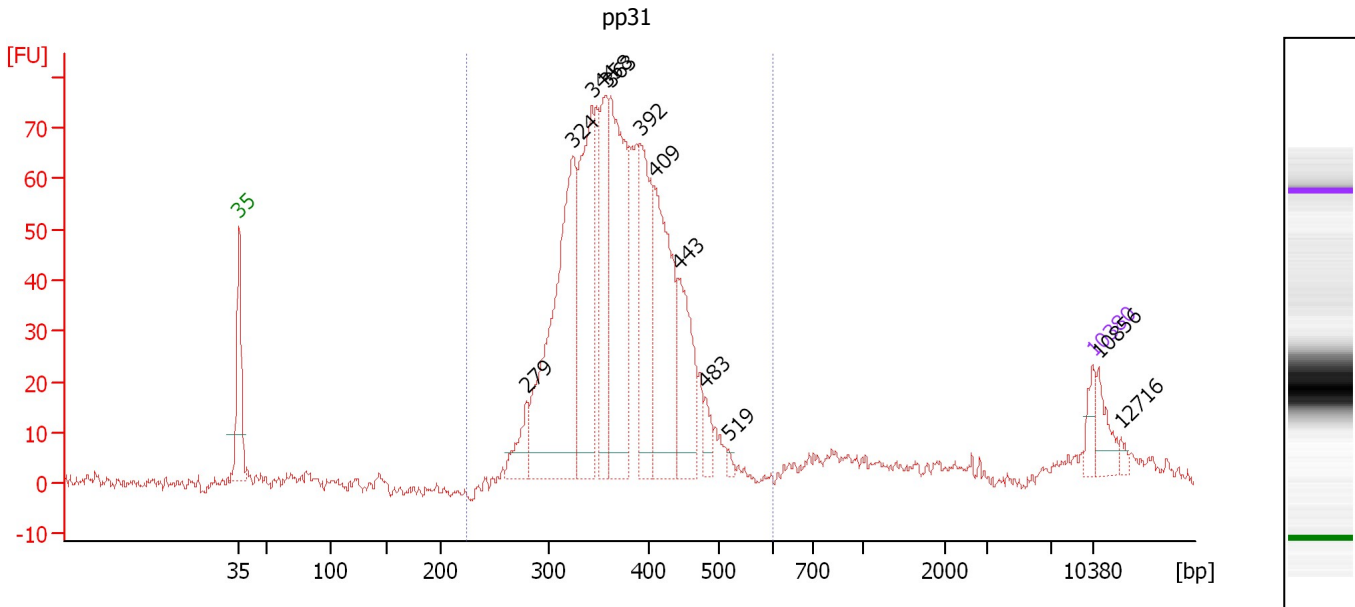
**Region table for sample 8 : pp30**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 221       | 597     | 382               | 8,827.9           | 2,167.08      | 1,681.5    | 89         | 14.5                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : pp31**

Number of peaks found: 12                      Corr. Area 1: 1,038.1  
 Noise: 1.3

**Peak table for sample 9 : pp31**

| 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    | 66.58                      | 279       | 198.09        | 1,074.6           |              |
| 3    | 70.34                      | 324       | 1,621.95      | 7,592.1           |              |
| 4    | 71.96                      | 344       | 955.39        | 4,212.3           |              |
| 5    | 73.14                      | 358       | 565.59        | 2,392.3           |              |
| 6    | 73.49                      | 363       | 1,107.20      | 4,627.3           |              |
| 7    | 75.90                      | 392       | 666.88        | 2,576.2           |              |
| 8    | 77.04                      | 409       | 852.42        | 3,159.3           |              |
| 9    | 79.01                      | 443       | 494.35        | 1,690.4           |              |
| 10   | 81.28                      | 483       | 90.95         | 285.5             |              |
| 11   | 83.16                      | 519       | 21.92         | 63.9              |              |
| 12   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 13   | 113.48                     | 10,856    | 0.00          | 0.0               |              |
| 14   | 115.36                     | 12,716    | 0.00          | 0.0               |              |

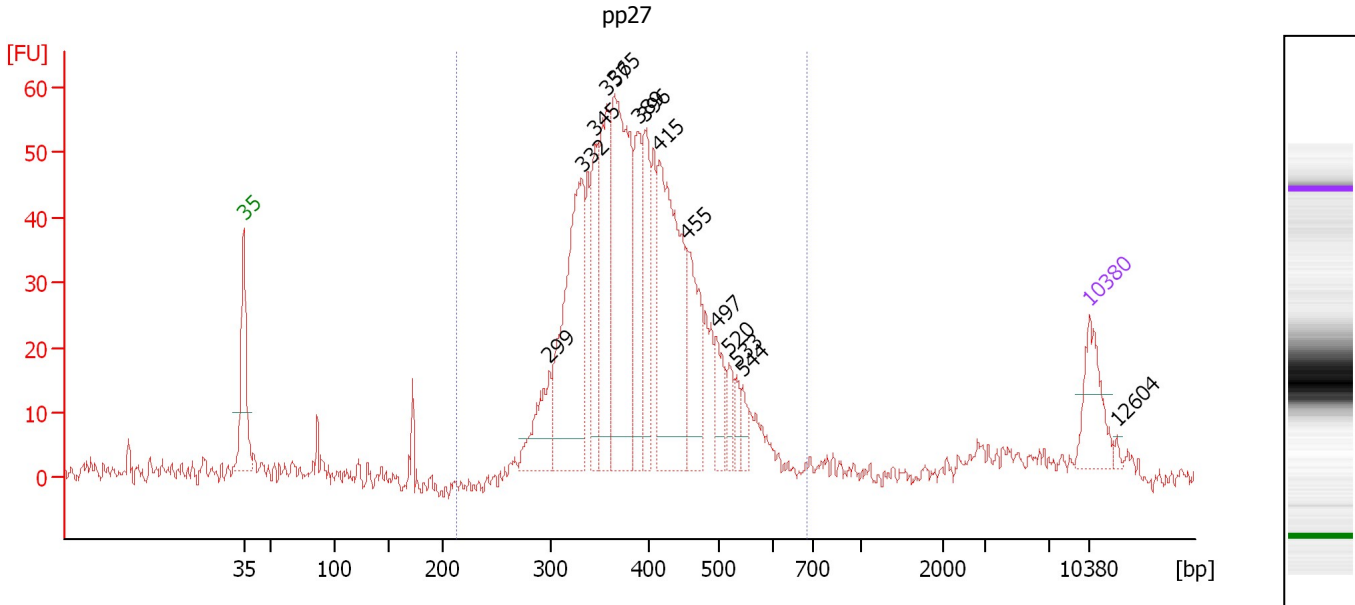
**Region table for sample 9 : pp31**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 223       | 598     | 372               | 32,058.6          | 7,691.24      | 1,038.1    | 93         | 13.9                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : pp27**

Number of peaks found: 14                      Corr. Area 1: 850.3  
 Noise: 1.6

**Peak table for sample 10 : pp27**

| 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    | 68.32                      | 299       | 117.18        | 594.1             |              |
| 3    | 71.01                      | 332       | 408.86        | 1,866.5           |              |
| 4    | 72.07                      | 345       | 159.75        | 701.7             |              |
| 5    | 73.04                      | 357       | 224.48        | 952.9             |              |
| 6    | 73.70                      | 365       | 453.29        | 1,881.3           |              |
| 7    | 75.64                      | 389       | 151.82        | 591.3             |              |
| 8    | 76.17                      | 396       | 157.06        | 601.6             |              |
| 9    | 77.40                      | 415       | 401.23        | 1,464.2           |              |
| 10   | 79.70                      | 455       | 162.71        | 541.7             |              |
| 11   | 82.12                      | 497       | 64.12         | 195.3             |              |
| 12   | 83.18                      | 520       | 34.67         | 101.0             |              |
| 13   | 83.80                      | 533       | 27.84         | 79.1              |              |
| 14   | 84.29                      | 544       | 24.50         | 68.2              |              |
| 15   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 115.25                     | 12,604    | 0.00          | 0.0               |              |

**Region table for sample 10 : pp27**

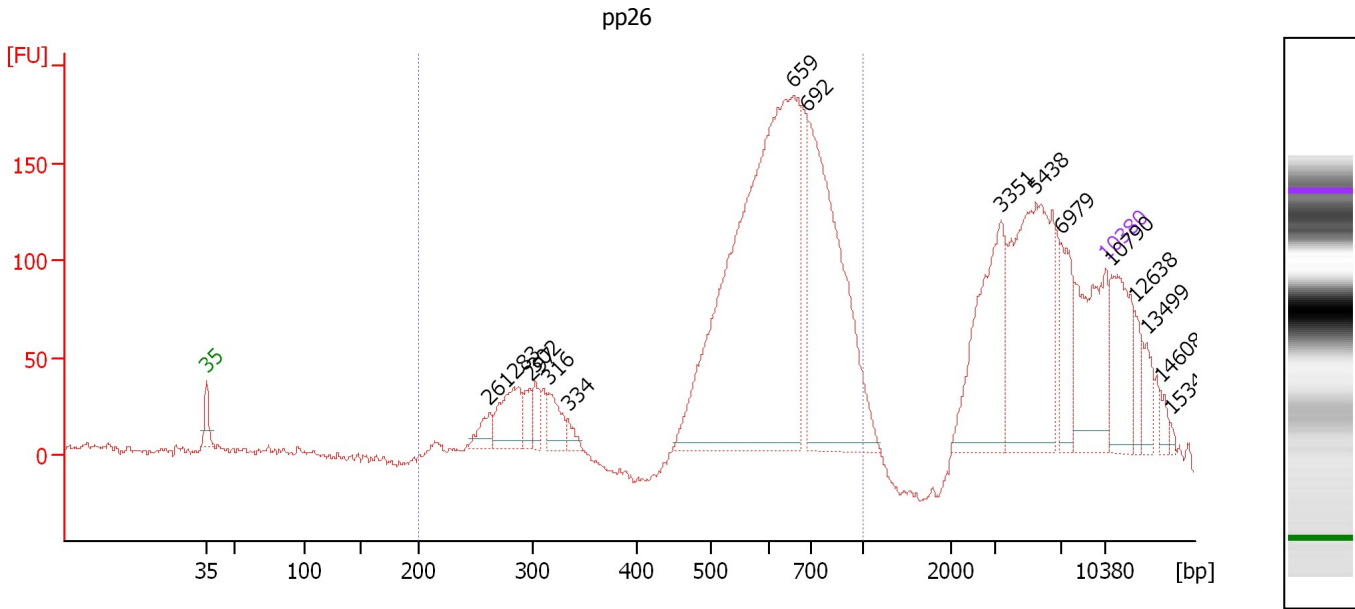
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 212       | 688     | 396               | 10,951.9          | 2,765.57      | 850.3      | 92         | 16.9                        | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
 Modified: 2/6/2014 4:38:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : pp26**

Number of peaks found: 16                      Corr. Area 1: 2,205.6  
 Noise: 1.8

**Peak table for sample 11 : pp26**

| 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    | 64.96                      | 261       | 20.99         | 121.8             |              |
| 3    | 66.91                      | 283       | 56.79         | 304.0             |              |
| 4    | 68.16                      | 297       | 18.97         | 96.7              |              |
| 5    | 68.58                      | 302       | 17.77         | 89.2              |              |
| 6    | 69.70                      | 316       | 29.42         | 141.2             |              |
| 7    | 71.15                      | 334       | 9.57          | 43.4              |              |
| 8    | 88.71                      | 659       | 585.78        | 1,347.3           |              |
| 9    | 89.79                      | 692       | 287.06        | 628.1             |              |
| 10   | 104.86                     | 3,351     | 109.25        | 49.4              |              |
| 11   | 107.56                     | 5,438     | 169.26        | 47.2              |              |
| 12   | 109.55                     | 6,979     | 43.44         | 9.4               |              |
| 13   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |
| 14   | 113.42                     | 10,790    | 0.00          | 0.0               |              |
| 15   | 115.28                     | 12,638    | 0.00          | 0.0               |              |
| 16   | 116.16                     | 13,499    | 0.00          | 0.0               |              |
| 17   | 117.28                     | 14,608    | 0.00          | 0.0               |              |
| 18   | 118.02                     | 15,347    | 0.00          | 0.0               |              |

**Region table for sample 11 : pp26**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 1,000   | 621               | 2,942.1           | 1,046.10      | 2,205.6    | 66         | 25.3                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06\_005.xad

Created: 2/6/2014 3:52:35 PM  
Modified: 2/6/2014 4:38:23 PM

**Gel Image**

