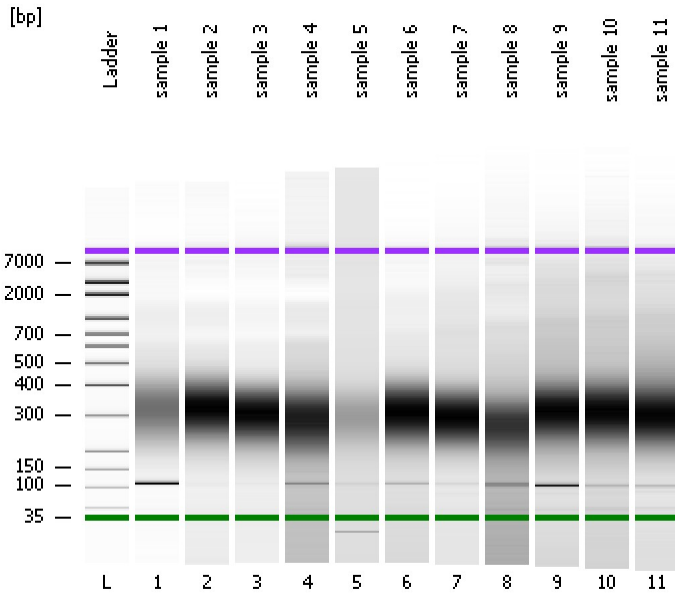


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
Modified: 8/26/2016 3:47:25 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

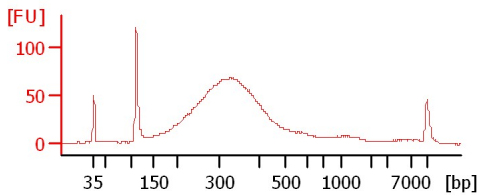
Assay Information:

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

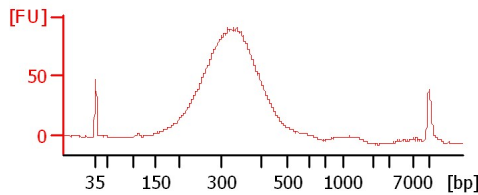
Chip Information:

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

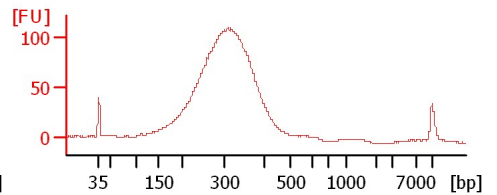
sample 1



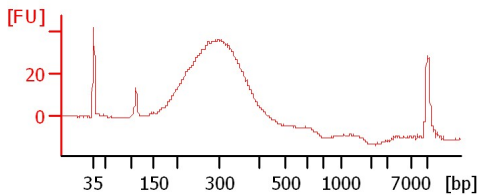
sample 2



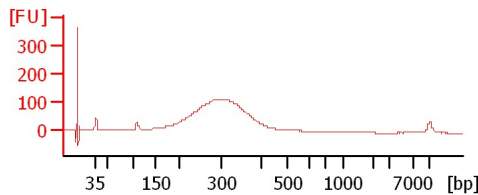
sample 3



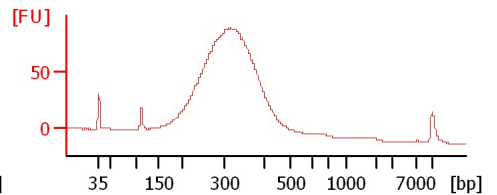
sample 4



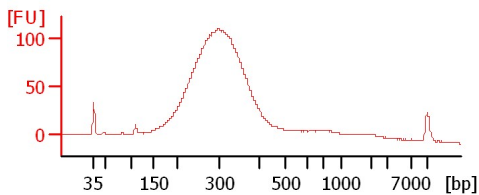
sample 5



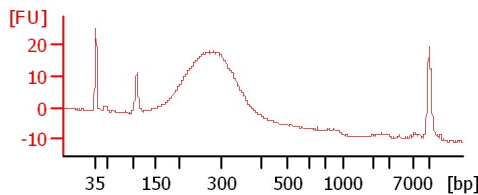
sample 6



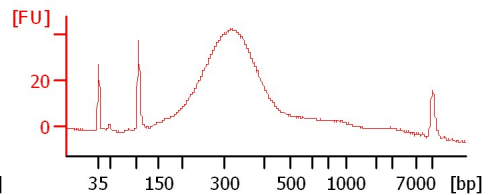
sample 7



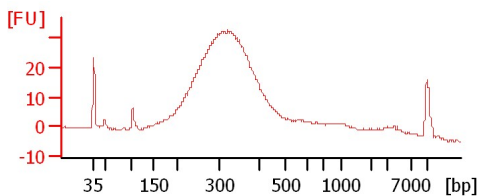
sample 8



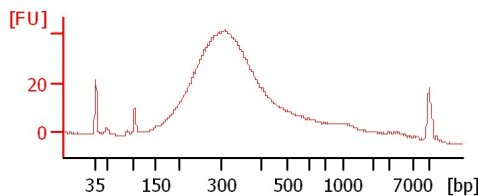
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
Modified: 8/26/2016 3:47:25 PM

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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| sample 1    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 2    |                | <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:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
Modified: 8/26/2016 3:47:25 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

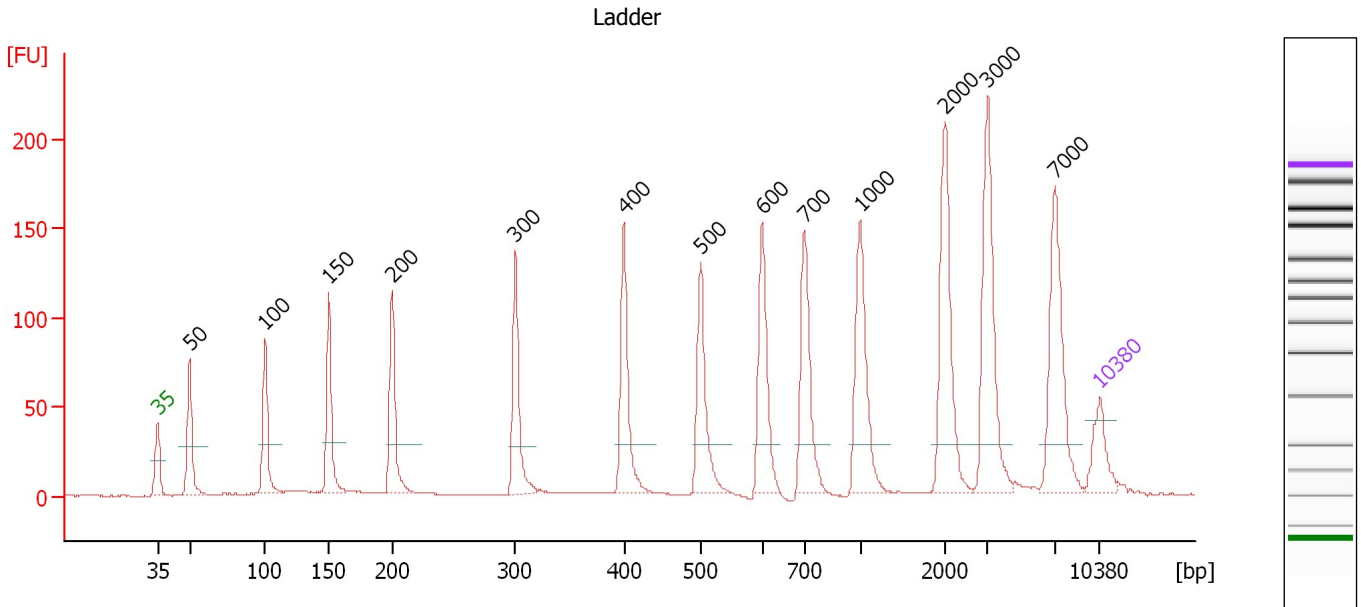
**Ladder**

| 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:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

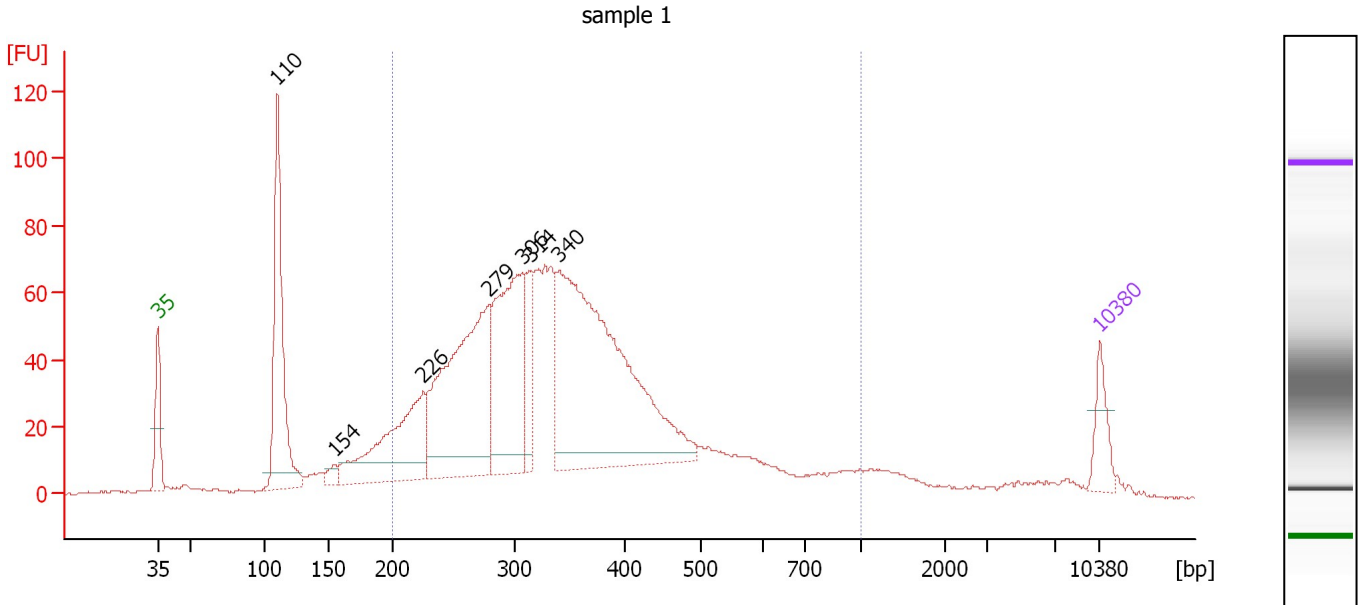
**Peak table for Ladder**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 50        | 150.00        | 4,545.5           | Ladder Peak  | 45.37                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 50.98                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 55.72                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 60.41                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 69.60                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 77.63                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 83.34                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 87.89                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 91.04                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 95.18                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 101.49                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 104.64                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.66                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 7                      Corr. Area 1: 1,535.4  
 Noise: 0.4

**Peak table for sample 1 : sample 1**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 110       | 640.34        | 8,858.5           |              | 51.89                      |
| 3    | 154       | 35.30         | 346.2             |              | 56.14                      |
| 4    | 226       | 481.71        | 3,235.7           |              | 62.76                      |
| 5    | 279       | 872.25        | 4,744.8           |              | 67.63                      |
| 6    | 306       | 606.60        | 3,003.2           |              | 70.08                      |
| 7    | 314       | 159.75        | 771.6             |              | 70.70                      |
| 8    | 340       | 1,359.56      | 6,066.0           |              | 72.78                      |
| 9    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

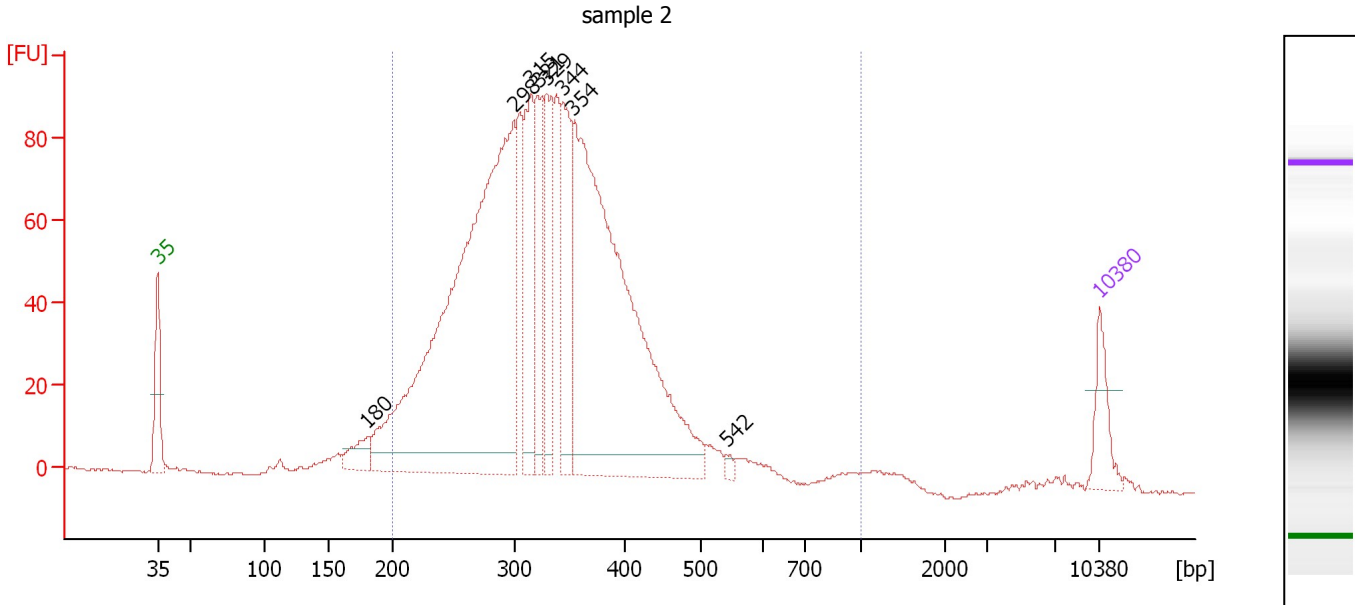
**Region table for sample 1 : sample 1**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200       | 1,000   | 355               | 1,535.4    | 22,006.6          | 4,623.24         | 80         | 33.5                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 8                      Corr. Area 1: 1,768.3  
 Noise: 0.4

**Peak table for sample 2 : sample 2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 180       | 70.27         | 590.2             |              | 58.57                      |
| 3    | 298       | 1,942.72      | 9,862.2           |              | 69.46                      |
| 4    | 315       | 329.52        | 1,586.3           |              | 70.78                      |
| 5    | 321       | 227.66        | 1,075.8           |              | 71.26                      |
| 6    | 329       | 223.21        | 1,028.3           |              | 71.92                      |
| 7    | 344       | 272.94        | 1,203.5           |              | 73.10                      |
| 8    | 354       | 1,523.07      | 6,525.4           |              | 73.91                      |
| 9    | 542       | 10.88         | 30.4              |              | 85.27                      |
| 10   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

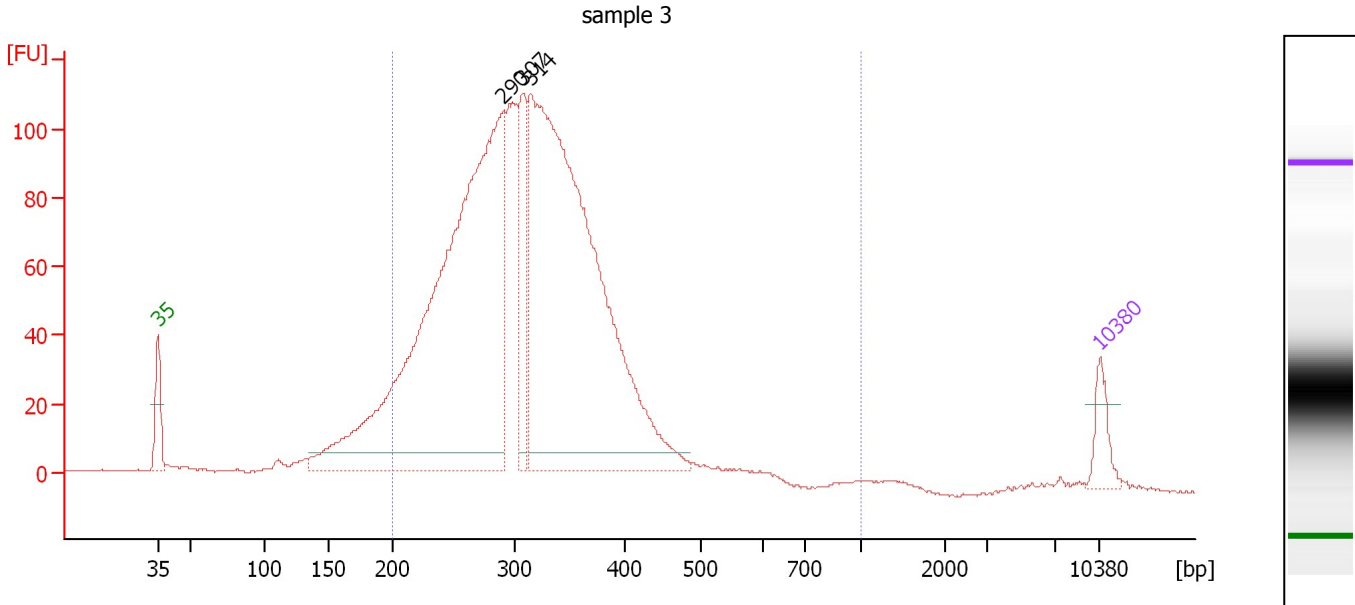
**Region table for sample 2 : sample 2**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 334               | 1,768.3    | 24,348.9          | 5,052.95             | 95         | 23.1                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 3                      Corr. Area 1: 2,084.9  
 Noise: 0.3

**Peak table for sample 3 : sample 3**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 290       | 2,885.80      | 15,078.9          |              | 68.68                      |
| 3    | 307       | 331.23        | 1,634.9           |              | 70.16                      |
| 4    | 314       | 2,812.14      | 13,564.2          |              | 70.73                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

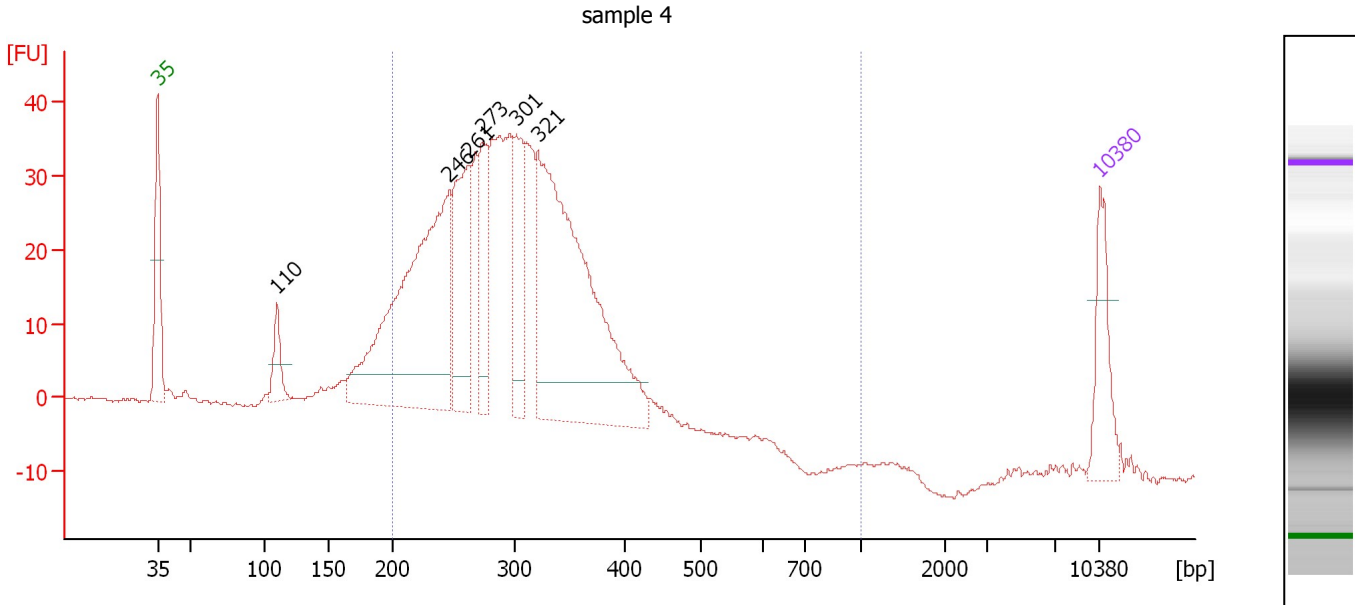
**Region table for sample 3 : sample 3**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 317               | 2,084.9    | 33,544.4          | 6,644.97             | 90         | 23.2                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 6                      Corr. Area 1: 760.7  
 Noise: 0.3

**Peak table for sample 4 : sample 4**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 110       | 59.33         | 820.0             |              | 51.90                      |
| 3    | 246       | 613.17        | 3,772.8           |              | 64.66                      |
| 4    | 261       | 220.15        | 1,275.6           |              | 66.06                      |
| 5    | 273       | 125.79        | 698.0             |              | 67.12                      |
| 6    | 301       | 138.39        | 696.4             |              | 69.69                      |
| 7    | 321       | 689.36        | 3,254.4           |              | 71.28                      |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

**Region table for sample 4 : sample 4**

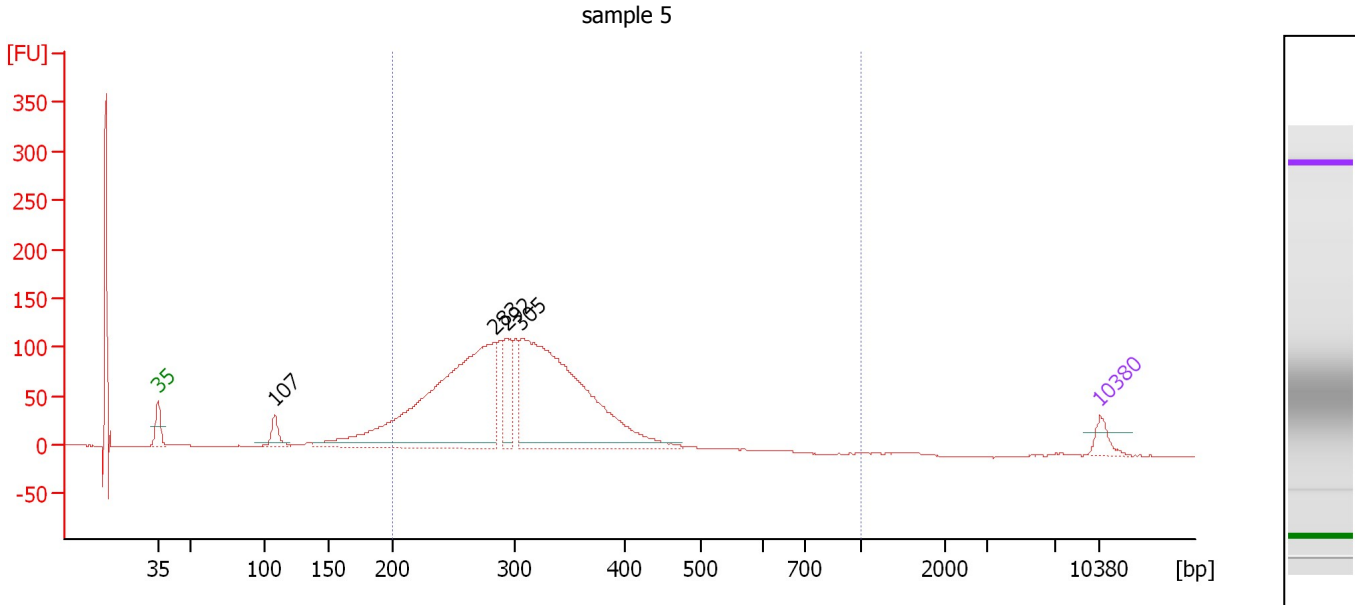
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 301               | 760.7      | 12,527.9          | 2,378.65             | 85         | 20.1                        |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 4                      Corr. Area 1: 2,007.7  
 Noise: 0.3

**Peak table for sample 5 : sample 5**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 107       | 151.36        | 2,135.8           |              | 51.68                      |
| 3    | 283       | 2,610.80      | 13,961.4          |              | 68.07                      |
| 4    | 292       | 341.33        | 1,768.6           |              | 68.90                      |
| 5    | 305       | 2,494.45      | 12,377.0          |              | 70.03                      |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

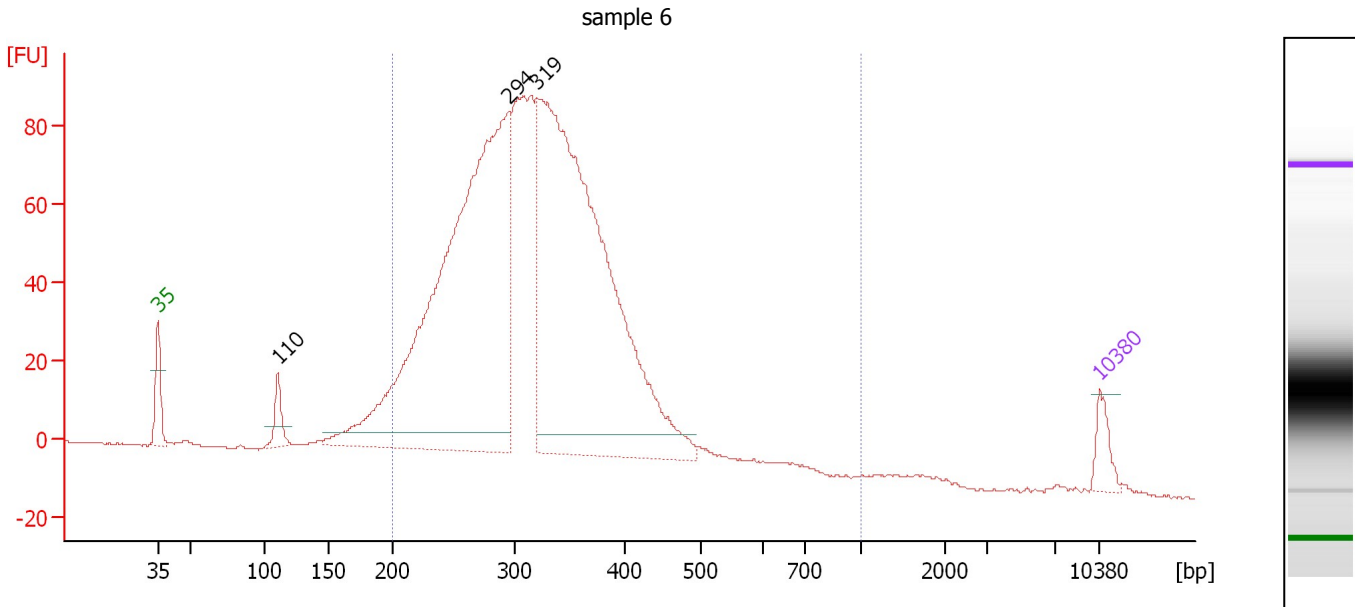
**Region table for sample 5 : sample 5**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 306               | 2,007.7    | 29,649.4          | 5,729.63             | 85         | 20.0                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 3                      Corr. Area 1: 1,744.7  
 Noise: 0.2

**Peak table for sample 6 : sample 6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 110       | 124.66        | 1,716.1           |              | 51.94                      |
| 3    | 294       | 3,399.71      | 17,510.2          |              | 69.06                      |
| 4    | 319       | 3,422.81      | 16,234.6          |              | 71.16                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

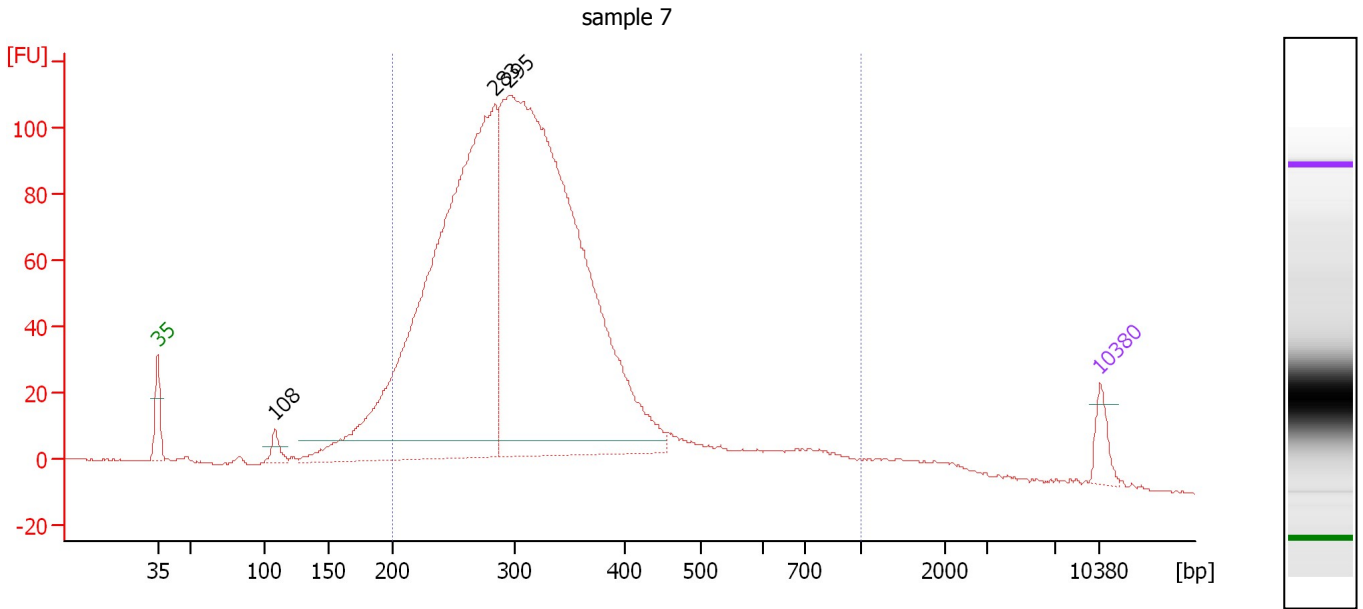
**Region table for sample 6 : sample 6**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 322               | 1,744.7    | 40,519.6          | 8,145.53             | 93         | 22.1                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 3                      Corr. Area 1: 2,151.3  
 Noise: 0.2

**Peak table for sample 7 : sample 7**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 108       | 74.40         | 1,048.2           |              | 51.70                      |
| 3    | 283       | 3,940.19      | 21,065.0          |              | 68.07                      |
| 4    | 295       | 4,732.97      | 24,346.8          |              | 69.10                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

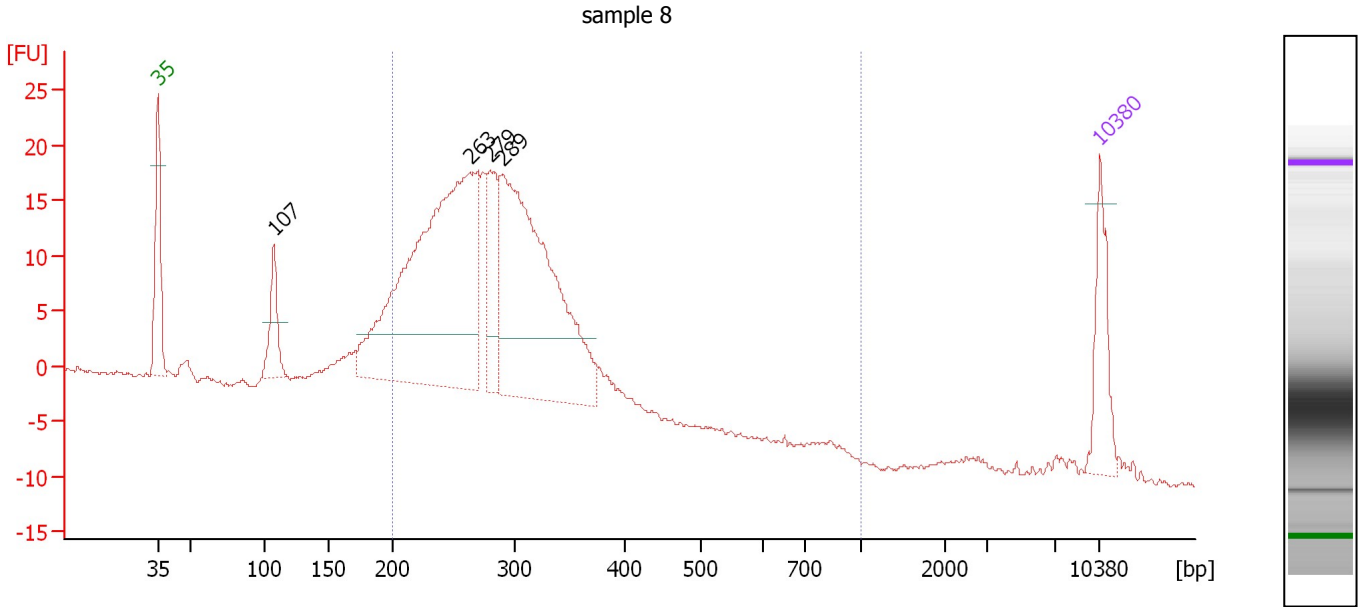
**Region table for sample 7 : sample 7**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 332               | 2,151.3    | 47,177.4          | 9,369.16             | 89         | 34.7                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 4                      Corr. Area 1: 362.6  
 Noise: 0.2

**Peak table for sample 8 : sample 8**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 107       | 89.01         | 1,262.1           |              | 51.63                      |
| 3    | 263       | 810.54        | 4,666.6           |              | 66.21                      |
| 4    | 279       | 108.91        | 590.5             |              | 67.71                      |
| 5    | 289       | 620.40        | 3,252.2           |              | 68.59                      |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

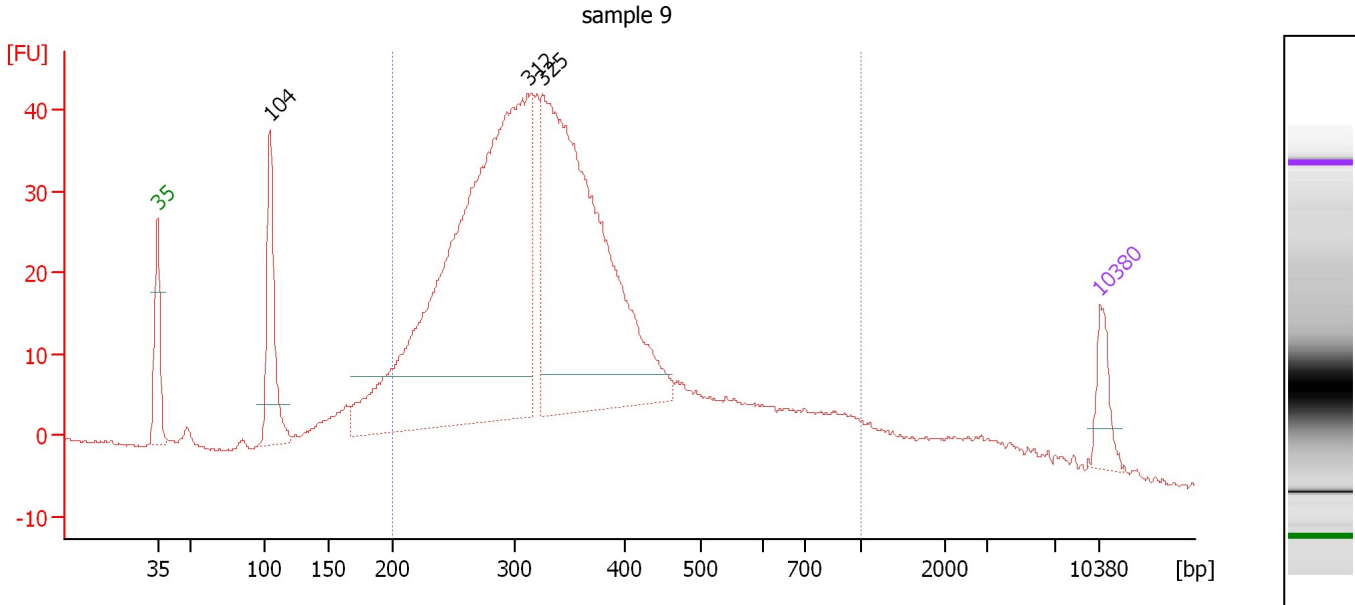
**Region table for sample 8 : sample 8**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 285               | 362.6      | 9,880.9           | 1,797.37             | 81         | 18.0                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 3                      Corr. Area 1: 926.0  
 Noise: 0.2

**Peak table for sample 9 : sample 9**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 104       | 367.87        | 5,361.9           |              | 51.36                      |
| 3    | 312       | 2,321.56      | 11,288.5          |              | 70.53                      |
| 4    | 325       | 1,664.27      | 7,768.1           |              | 71.57                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

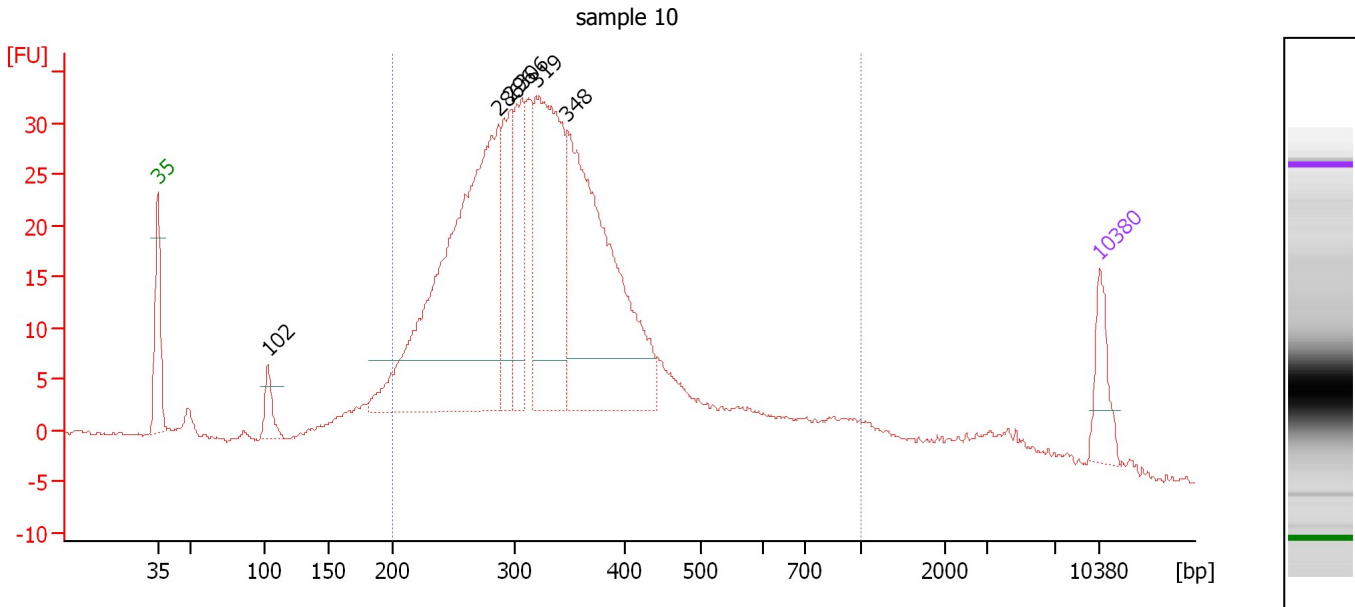
**Region table for sample 9 : sample 9**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 367               | 926.0      | 26,481.9          | 5,615.35             | 84         | 38.2                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 10**

Number of peaks found: 6                      Corr. Area 1: 719.5  
 Noise: 0.2

**Peak table for sample 10 : sample 10**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 102       | 70.96         | 1,051.0           |              | 51.20                      |
| 3    | 286       | 1,235.31      | 6,551.3           |              | 68.28                      |
| 4    | 296       | 222.19        | 1,135.4           |              | 69.28                      |
| 5    | 306       | 226.93        | 1,124.5           |              | 70.06                      |
| 6    | 319       | 633.58        | 3,011.6           |              | 71.10                      |
| 7    | 348       | 864.06        | 3,761.7           |              | 73.46                      |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

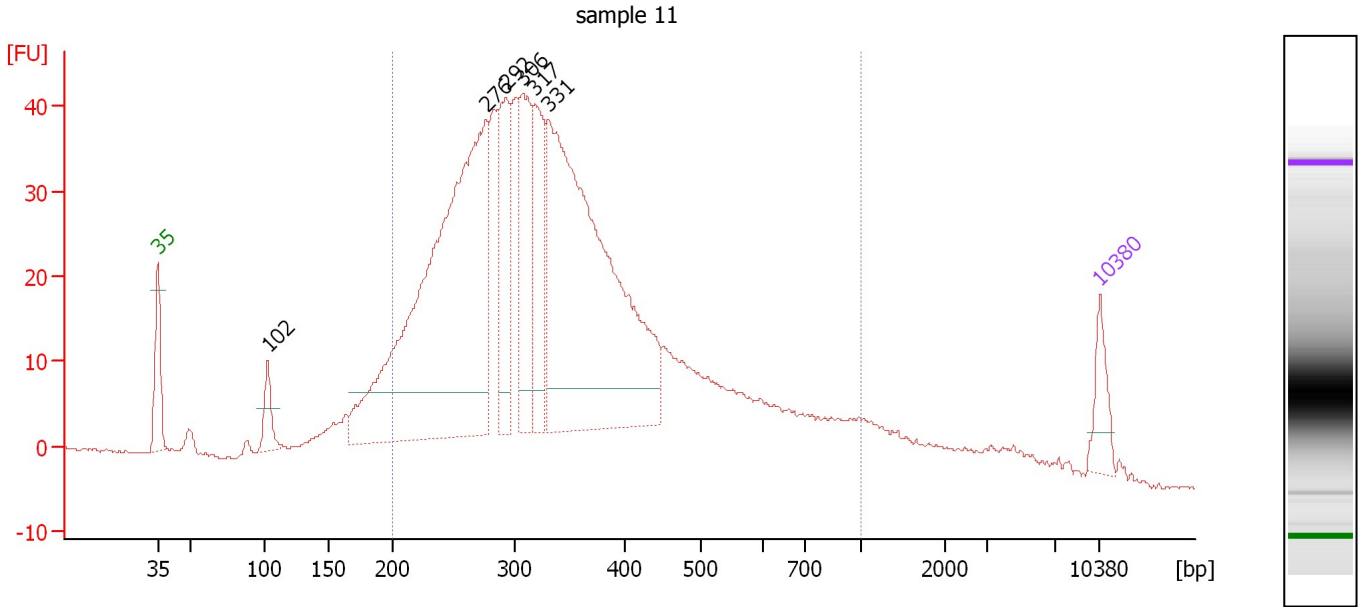
**Region table for sample 10 : sample 10**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 361               | 719.5      | 22,283.0          | 4,691.95             | 85         | 37.2                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 6                      Corr. Area 1: 960.0  
 Noise: 0.1

**Peak table for sample 11 : sample 11**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 102       | 97.19         | 1,442.8           |              | 51.18                      |
| 3    | 276       | 1,824.49      | 10,019.9          |              | 67.38                      |
| 4    | 292       | 333.23        | 1,726.5           |              | 68.90                      |
| 5    | 306       | 344.11        | 1,701.9           |              | 70.11                      |
| 6    | 317       | 287.54        | 1,372.4           |              | 71.00                      |
| 7    | 331       | 1,570.55      | 7,199.7           |              | 72.05                      |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

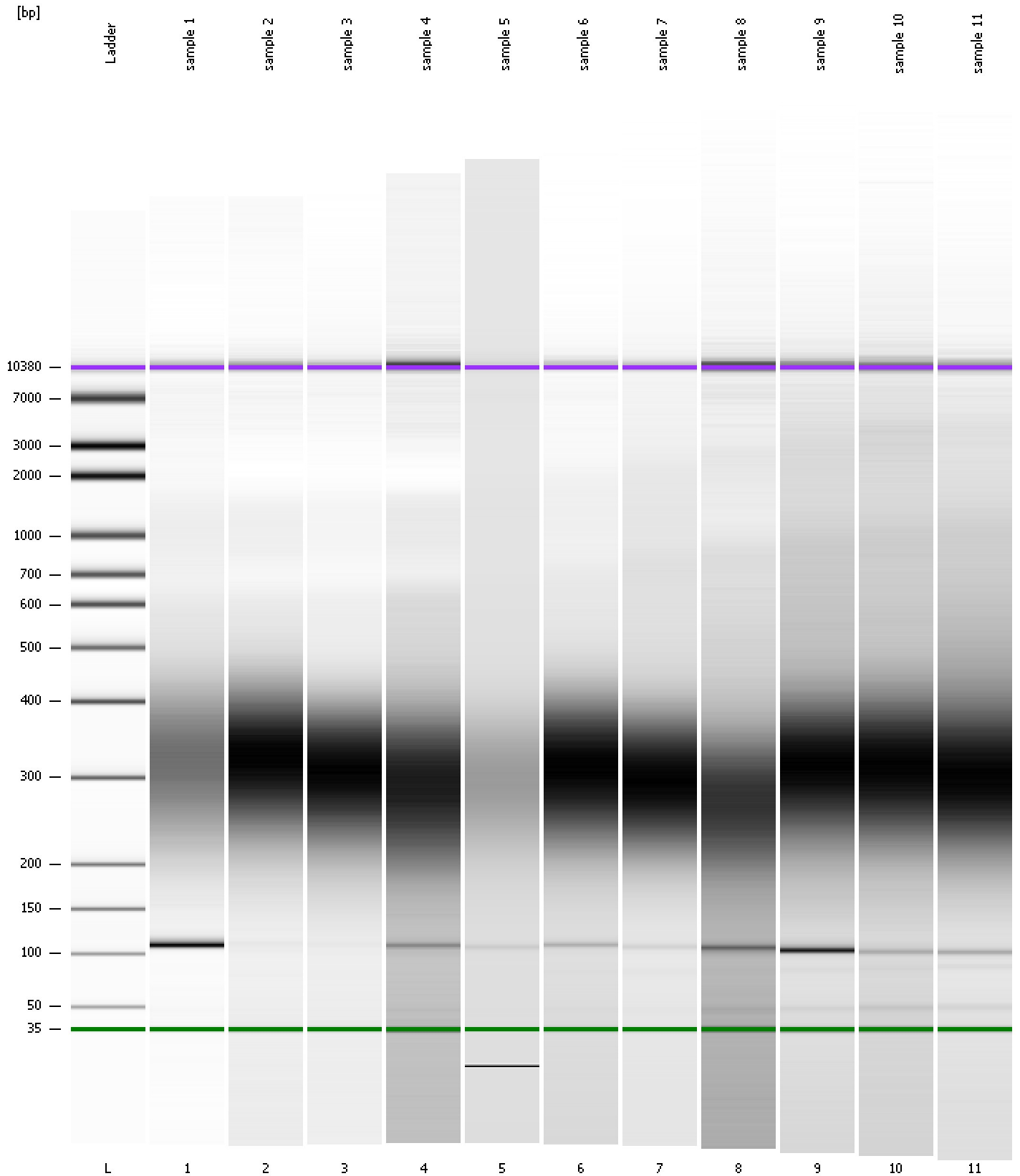
**Region table for sample 11 : sample 11**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 365               | 960.0      | 29,085.4          | 6,099.87             | 86         | 38.4                        |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
Modified: 8/26/2016 3:47:25 PM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-26\2016-08-26\_001.xad

Created: 8/26/2016 3:06:07 PM  
 Modified: 8/26/2016 3:47:25 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      |              | 8/26/2016 3:47:24 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-26\2016-08-26_001.xad) |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B                                                                                                |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :                                                                                                                 |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies                                                                                          |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086                                                                                                   |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069                                                                                                    |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode                                                                                                  |        | Instrument | Run      |              | 8/26/2016 3:06:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |