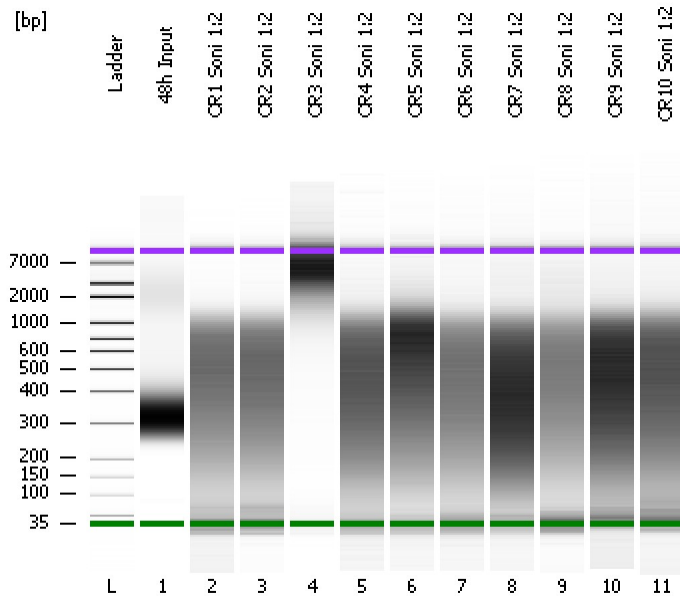


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
Modified: 10/3/2013 10:46:00 AM

### Electrophoresis File Run Summary



#### Instrument Information:

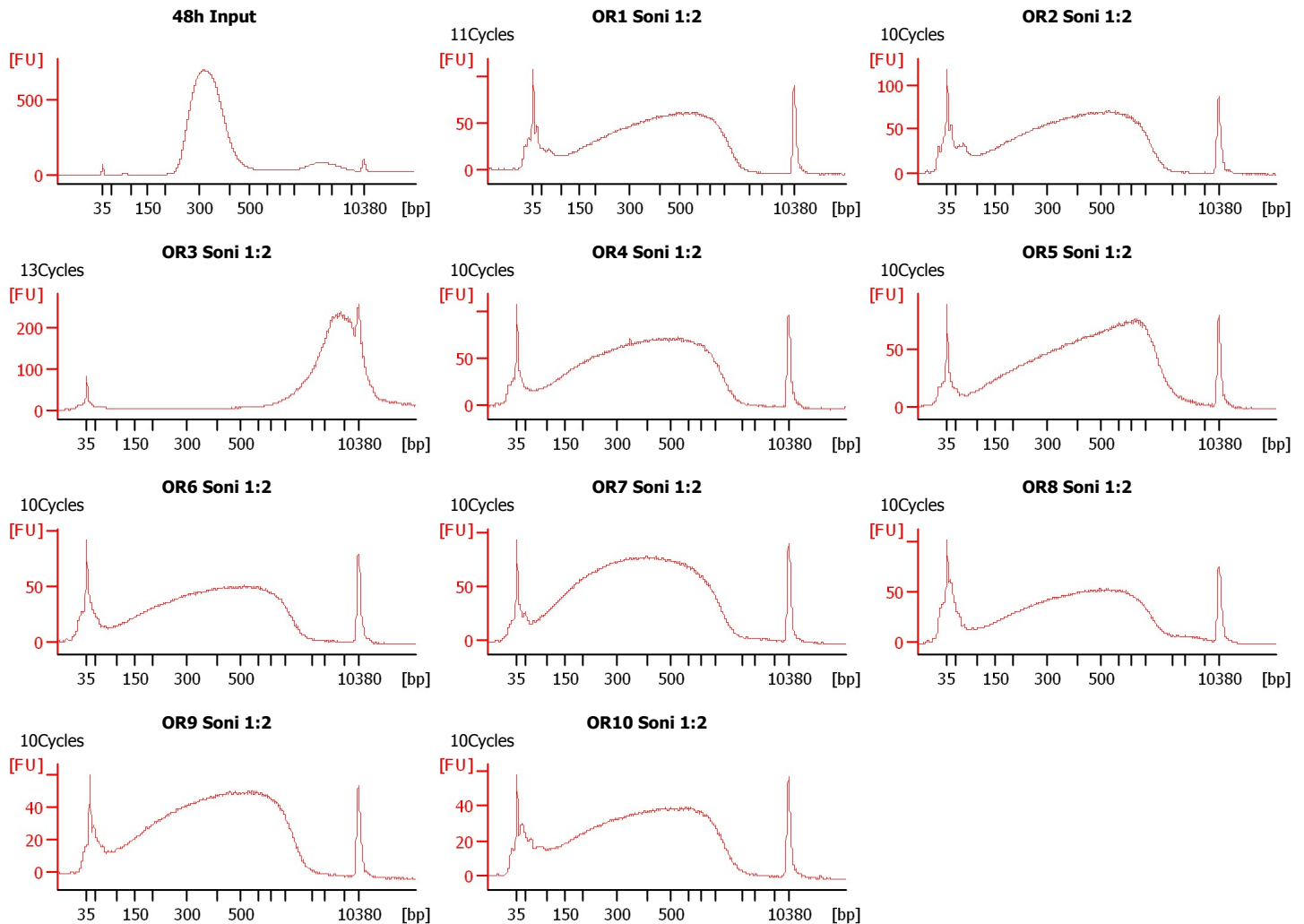
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### Assay Information:

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

#### Chip Information:

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



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
 Modified: 10/3/2013 10:46:00 AM

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

| Sample Name   | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|---------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| 48h Input     |                | <input type="checkbox"/> |        |             |              |              |
| OR1 Soni 1:2  | 11Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR2 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR3 Soni 1:2  | 13Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR4 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR5 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR6 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR7 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR8 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR9 Soni 1:2  | 10Cycles       | <input type="checkbox"/> |        | ✓           |              |              |
| OR10 Soni 1:2 | 10Cycles       | <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\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
Modified: 10/3/2013 10:46:00 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

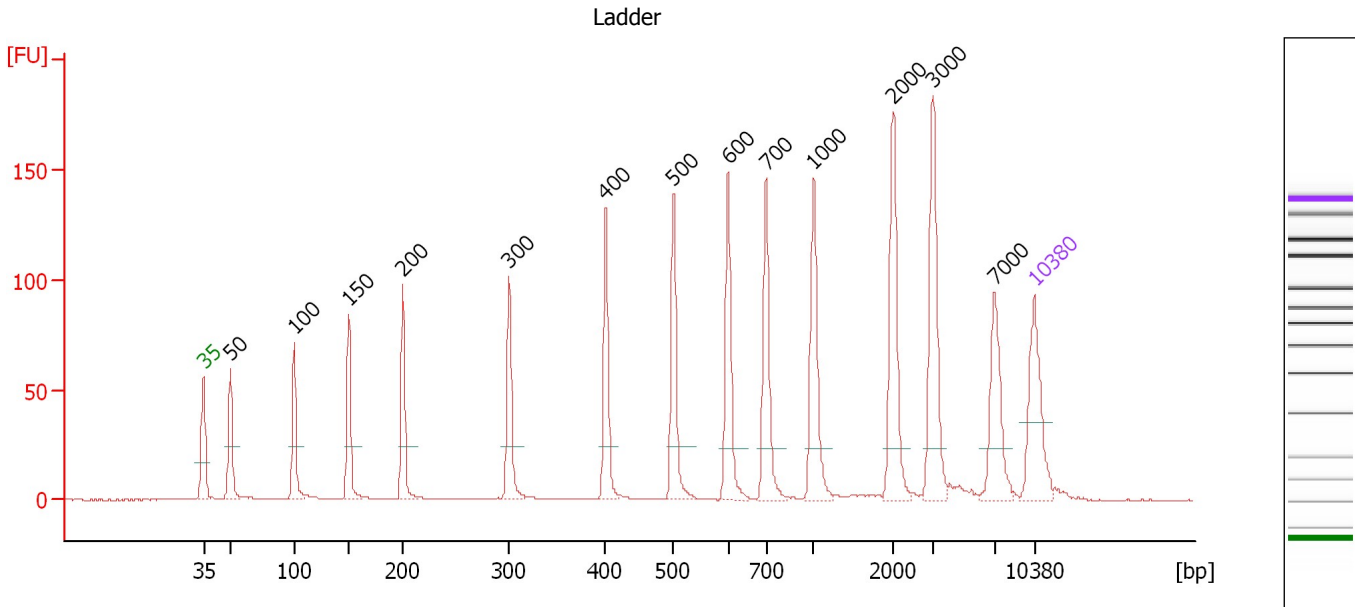
**Ladder**

| Ladder Peak | Size  | Area |
|-------------|-------|------|
| 1           | 35    | 160  |
| 2           | 50    | 210  |
| 3           | 100   | 208  |
| 4           | 150   | 221  |
| 5           | 200   | 242  |
| 6           | 300   | 270  |
| 7           | 400   | 305  |
| 8           | 500   | 306  |
| 9           | 600   | 336  |
| 10          | 700   | 321  |
| 11          | 1000  | 366  |
| 12          | 2000  | 413  |
| 13          | 3000  | 411  |
| 14          | 7000  | 400  |
| 15          | 10380 | 214  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

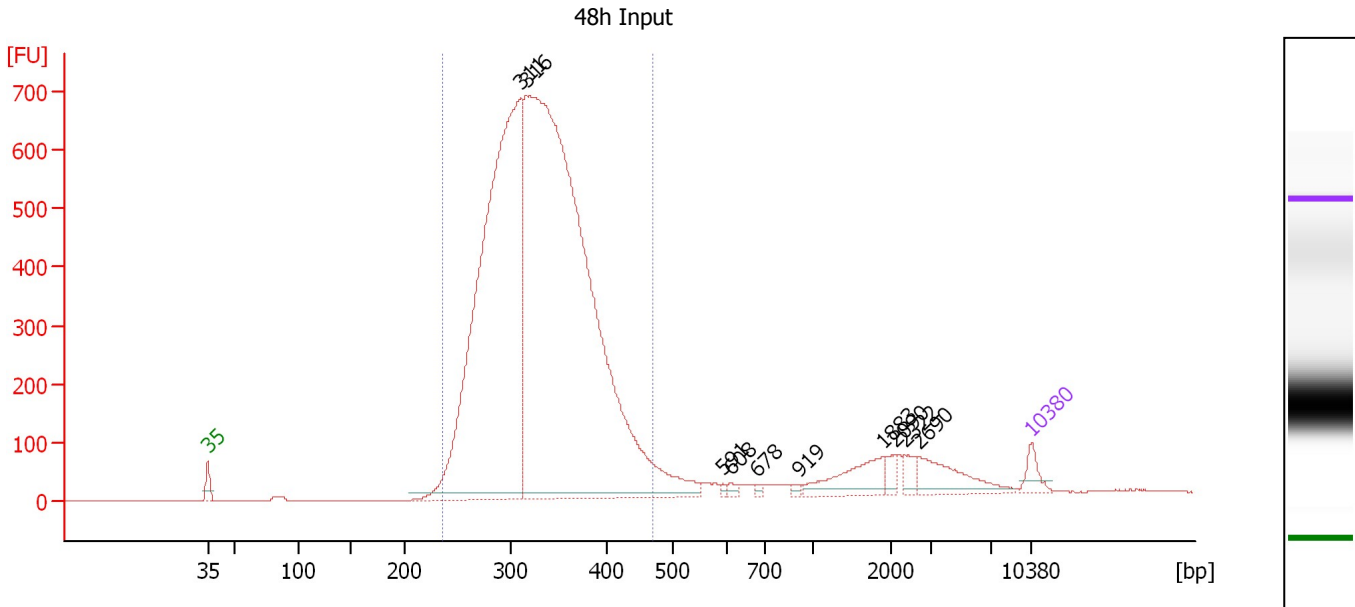
**Peak table for Ladder**

| 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\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 1 : 48h Input**

Height Threshold [FU] : 10

**Overall Results for sample 1 : 48h Input**

Number of peaks found: 10                      Corr. Area 1: 10,139.4  
 Noise: 0.2

**Peak table for sample 1 : 48h Input**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 311       | 5,322.33      | 25,956.8          |              |
| 3    | 316       | 8,410.74      | 40,295.7          |              |
| 4    | 591       | 16.29         | 41.8              |              |
| 5    | 608       | 27.17         | 67.7              |              |
| 6    | 678       | 16.97         | 37.9              |              |
| 7    | 919       | 19.39         | 32.0              |              |
| 8    | 1,883     | 246.11        | 198.0             |              |
| 9    | 2,090     | 62.80         | 45.5              |              |
| 10   | 2,322     | 68.80         | 44.9              |              |
| 11   | 2,690     | 243.51        | 137.1             |              |
| 12   | 10,380    | 75.00         | 10.9              | Upper Marker |

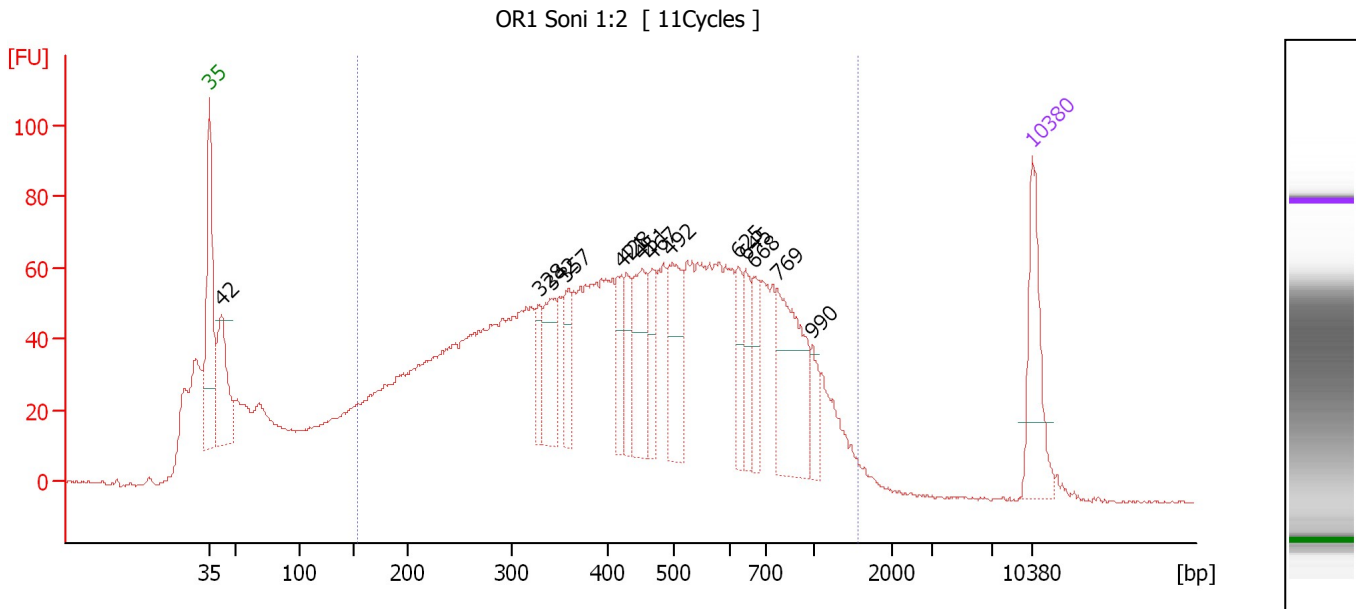
**Region table for sample 1 : 48h Input**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 235       | 470     | 330               | 60,624.5          | 12,899.08     | 10,139.4   | 90         | 13.9                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
 Modified: 10/3/2013 10:46:00 AM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 2 : OR1 Soni 1:2**

Height Threshold [FU] : 35

**Overall Results for sample 2 : OR1 Soni 1:2**

Number of peaks found: 14                      Corr. Area 1: 2,755.0  
 Noise: 0.2

**Peak table for sample 2 : OR1 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 42        | 137.66        | 4,970.0           |              |
| 3    | 328       | 37.63         | 173.8             |              |
| 4    | 342       | 85.29         | 378.3             |              |
| 5    | 357       | 51.79         | 219.7             |              |
| 6    | 421       | 49.86         | 179.5             |              |
| 7    | 428       | 40.79         | 144.4             |              |
| 8    | 451       | 94.37         | 317.0             |              |
| 9    | 467       | 44.57         | 144.6             |              |
| 10   | 492       | 100.29        | 309.1             |              |
| 11   | 625       | 42.57         | 103.2             |              |
| 12   | 645       | 41.95         | 98.6              |              |
| 13   | 668       | 41.40         | 94.0              |              |
| 14   | 769       | 144.06        | 284.0             |              |
| 15   | 990       | 26.37         | 40.4              |              |
| 16   | 10,380    | 75.00         | 10.9              | Upper Marker |

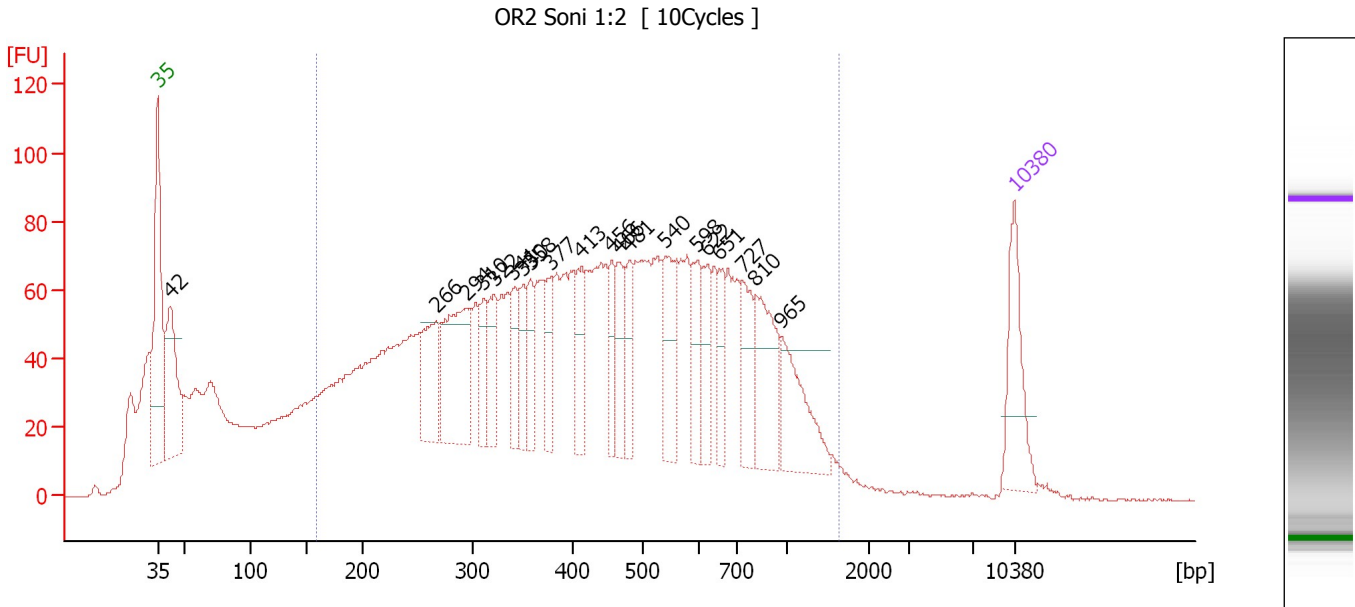
**Region table for sample 2 : OR1 Soni 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 155       | 1,561   | 485               | 13,263.1          | 3,035.15      | 2,755.0    | 79         | 50.8                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
 Modified: 10/3/2013 10:46:00 AM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 3 : OR2 Soni 1:2**

Height Threshold [FU] : 35

**Overall Results for sample 3 : OR2 Soni 1:2**

Number of peaks found: 20                      Corr. Area 1: 3,083.2  
 Noise: 0.2

**Peak table for sample 3 : OR2 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 42        | 193.72        | 6,981.8           |              |
| 3    | 266       | 100.27        | 570.4             |              |
| 4    | 294       | 181.49        | 935.2             |              |
| 5    | 310       | 46.30         | 226.0             |              |
| 6    | 322       | 63.89         | 301.0             |              |
| 7    | 341       | 54.37         | 241.7             |              |
| 8    | 350       | 50.86         | 219.9             |              |
| 9    | 358       | 47.55         | 201.4             |              |
| 10   | 377       | 50.76         | 203.7             |              |
| 11   | 413       | 65.22         | 239.4             |              |
| 12   | 456       | 47.72         | 158.5             |              |
| 13   | 466       | 61.95         | 201.5             |              |
| 14   | 481       | 50.95         | 160.4             |              |
| 15   | 540       | 94.71         | 265.7             |              |
| 16   | 598       | 60.65         | 153.8             |              |
| 17   | 622       | 53.35         | 129.9             |              |
| 18   | 651       | 46.63         | 108.5             |              |
| 19   | 727       | 64.87         | 135.1             |              |
| 20   | 810       | 108.88        | 203.7             |              |
| 21   | 965       | 93.75         | 147.2             |              |
| 22   | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
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**Electropherogram Summary Continued ...**

... Region table for sample 3 : OR2 Soni 1:2

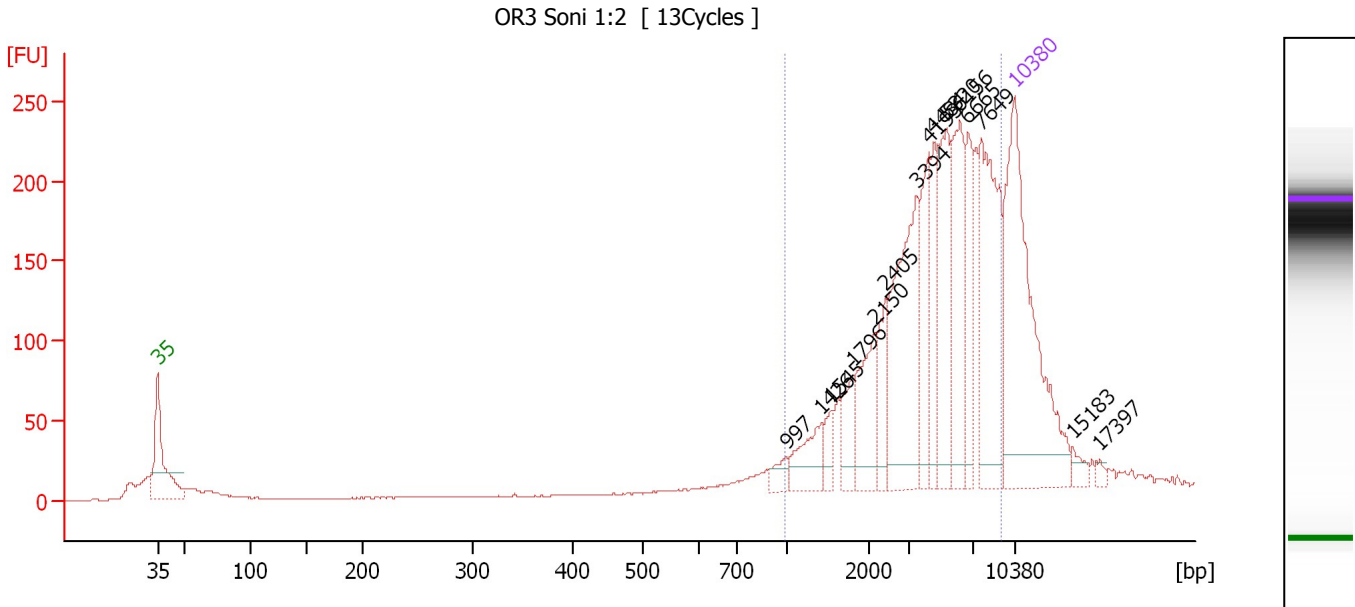
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 159       | 1,625   | 483               | 15,940.2          | 3,624.50      | 3,083.2    | 77         | 52.1                        | ■     |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 4 : OR3 Soni 1:2**

Height Threshold [FU] : 15

**Overall Results for sample 4 : OR3 Soni 1:2**

Number of peaks found: 15      Corr. Area 1: 2,142.8  
 Noise: 0.2

**Peak table for sample 4 : OR3 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 997       | 4.53          | 6.9               |              |
| 3    | 1,426     | 13.95         | 14.8              |              |
| 4    | 1,545     | 4.97          | 4.9               |              |
| 5    | 1,796     | 10.46         | 8.8               |              |
| 6    | 2,150     | 21.80         | 15.4              |              |
| 7    | 2,405     | 13.49         | 8.5               |              |
| 8    | 3,394     | 52.56         | 23.5              |              |
| 9    | 4,193     | 22.30         | 8.1               |              |
| 10   | 4,484     | 17.34         | 5.9               |              |
| 11   | 5,320     | 31.53         | 9.0               |              |
| 12   | 6,156     | 34.59         | 8.5               |              |
| 13   | 6,665     | 18.90         | 4.3               |              |
| 14   | 7,649     | 51.98         | 10.3              |              |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 15,183    | 0.00          | 0.0               |              |
| 17   | 17,397    | 0.00          | 0.0               |              |

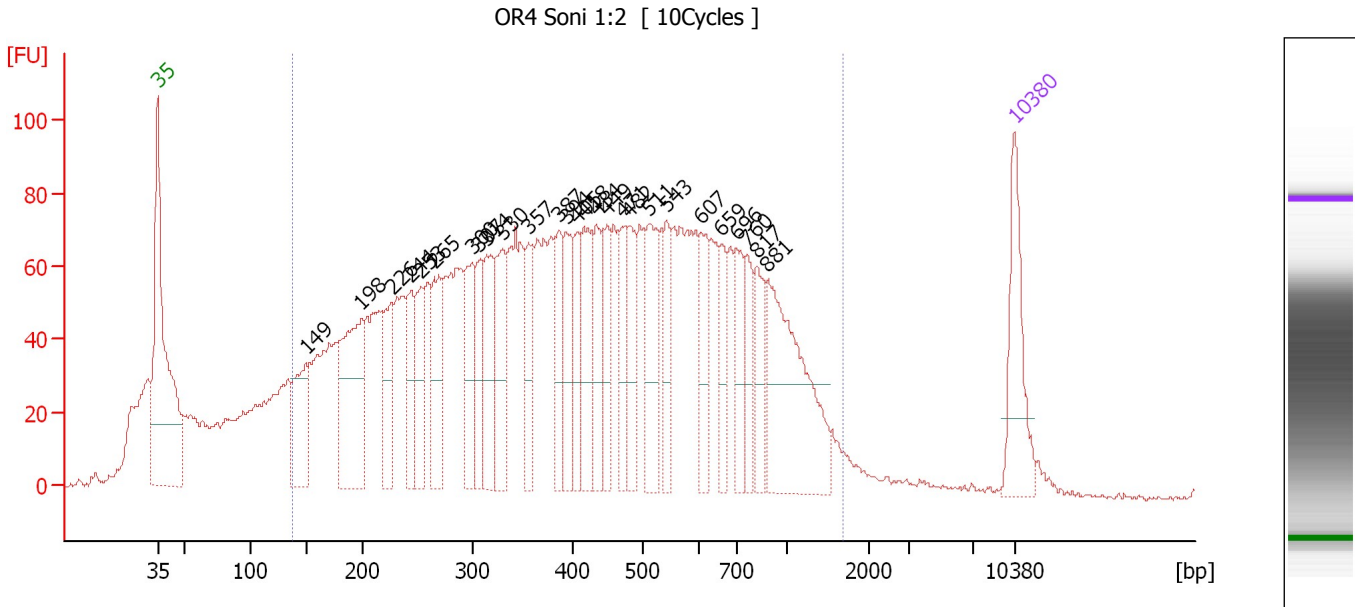
**Region table for sample 4 : OR3 Soni 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 994       | 9,227   | 4,718             | 131.9             | 303.67        | 2,142.8    | 90         | 48.7                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 5 : OR4 Soni 1:2**

Height Threshold [FU] : 30

**Overall Results for sample 5 : OR4 Soni 1:2**

Number of peaks found: 27                      Corr. Area 1: 3,438.4  
 Noise: 0.7

**Peak table for sample 5 : OR4 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 149       | 112.86        | 1,148.5           |              |
| 3    | 198       | 192.77        | 1,472.5           |              |
| 4    | 226       | 83.97         | 562.8             |              |
| 5    | 244       | 67.22         | 417.9             |              |
| 6    | 253       | 71.86         | 430.8             |              |
| 7    | 265       | 87.90         | 502.5             |              |
| 8    | 300       | 91.22         | 461.2             |              |
| 9    | 307       | 62.82         | 310.3             |              |
| 10   | 314       | 91.71         | 442.8             |              |
| 11   | 330       | 89.81         | 412.1             |              |
| 12   | 357       | 64.34         | 273.4             |              |
| 13   | 387       | 62.80         | 245.8             |              |
| 14   | 394       | 75.03         | 288.8             |              |
| 15   | 405       | 56.64         | 211.9             |              |
| 16   | 418       | 82.96         | 301.0             |              |
| 17   | 434       | 77.97         | 272.0             |              |
| 18   | 449       | 55.97         | 188.7             |              |
| 19   | 471       | 72.04         | 231.7             |              |
| 20   | 482       | 58.85         | 185.0             |              |
| 21   | 511       | 98.29         | 291.6             |              |
| 22   | 543       | 58.82         | 164.2             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad


Created: 10/3/2013 10:00:10 AM  
 Modified: 10/3/2013 10:46:00 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 5 : OR4 Soni 1:2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 23   | 607       | 62.84         | 156.9             |              |
| 24   | 659       | 46.89         | 107.8             |              |
| 25   | 696       | 59.36         | 129.1             |              |
| 26   | 760       | 46.03         | 91.8              |              |
| 27   | 817       | 56.12         | 104.1             |              |
| 28   | 881       | 192.22        | 330.5             |              |
| 29   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

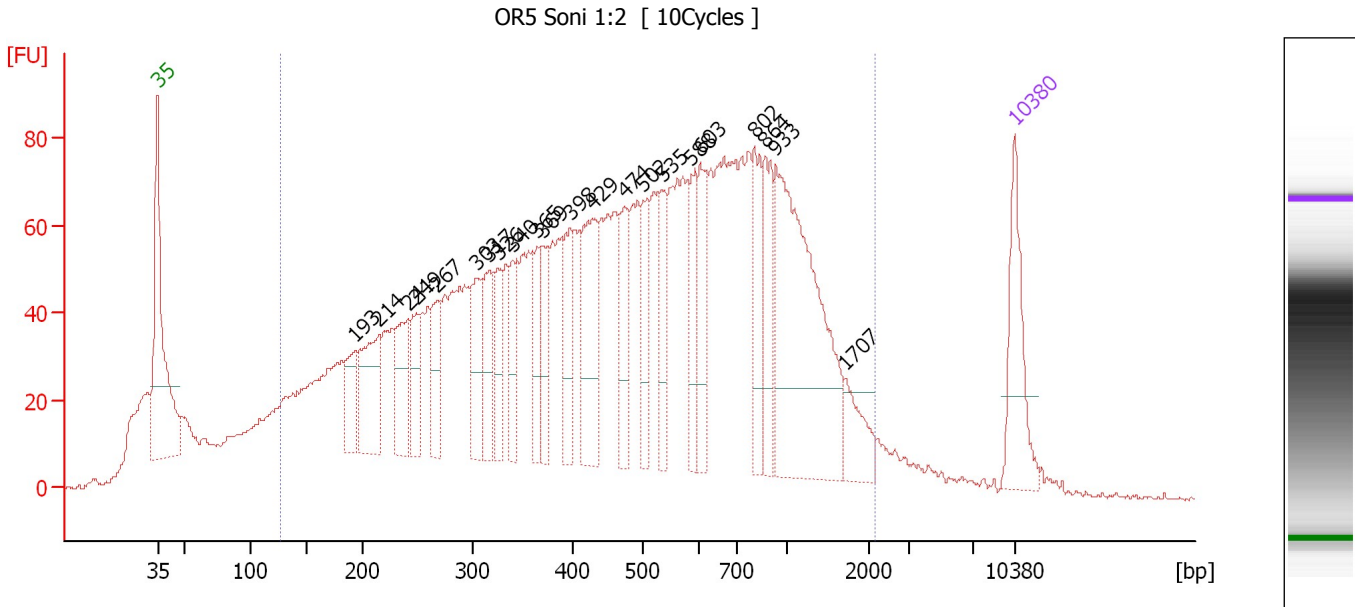
#### Region table for sample 5 : OR4 Soni 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 137       | 1,683   | 475               | 17,030.2          | 3,615.04      | 3,438.4    | 86         | 56.0                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 6 : OR5 Soni 1:2**

Height Threshold [FU] : 20

**Overall Results for sample 6 : OR5 Soni 1:2**

Number of peaks found: 22                      Corr. Area 1: 3,178.9  
 Noise: 0.6

**Peak table for sample 6 : OR5 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 193       | 57.75         | 453.5             |              |
| 3    | 214       | 112.68        | 796.2             |              |
| 4    | 241       | 82.04         | 515.9             |              |
| 5    | 249       | 60.64         | 369.7             |              |
| 6    | 267       | 59.87         | 339.2             |              |
| 7    | 303       | 71.80         | 358.5             |              |
| 8    | 317       | 76.20         | 364.7             |              |
| 9    | 326       | 56.21         | 261.2             |              |
| 10   | 340       | 56.85         | 253.1             |              |
| 11   | 365       | 53.50         | 222.2             |              |
| 12   | 369       | 57.82         | 237.1             |              |
| 13   | 398       | 74.28         | 282.7             |              |
| 14   | 429       | 126.43        | 447.0             |              |
| 15   | 474       | 64.92         | 207.3             |              |
| 16   | 502       | 66.00         | 199.3             |              |
| 17   | 535       | 65.20         | 184.6             |              |
| 18   | 588       | 59.82         | 154.2             |              |
| 19   | 603       | 81.38         | 204.4             |              |
| 20   | 802       | 72.81         | 137.5             |              |
| 21   | 864       | 72.79         | 127.7             |              |
| 22   | 933       | 316.89        | 514.7             |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
Modified: 10/3/2013 10:46:00 AM

**Electropherogram Summary Continued ...****... Peak table for sample 6 : OR5 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 23   | 1,707     | 39.76         | 35.3              |              |
| 24   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

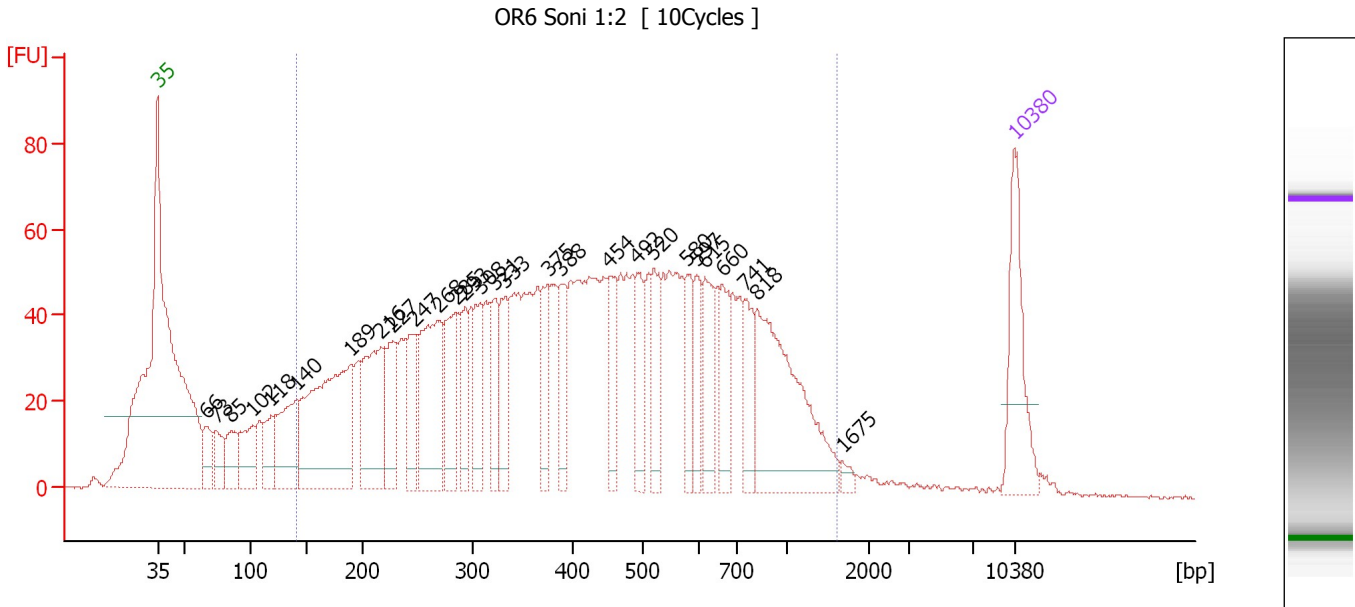
**Region table for sample 6 : OR5 Soni 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 127       | 2,146   | 571               | 17,660.2          | 4,033.52      | 3,178.9    | 89         | 63.9                        | ■     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

Created: 10/3/2013 10:00:10 AM  
 Modified: 10/3/2013 10:46:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : OR6 Soni 1:2**

Number of peaks found: 28                      Corr. Area 1: 2,344.6  
 Noise: 0.3

**Peak table for sample 7 : OR6 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 66        | 40.86         | 943.6             |              |
| 3    | 73        | 36.95         | 763.3             |              |
| 4    | 85        | 45.35         | 810.8             |              |
| 5    | 102       | 64.49         | 959.1             |              |
| 6    | 118       | 45.19         | 580.5             |              |
| 7    | 140       | 109.04        | 1,176.1           |              |
| 8    | 189       | 273.47        | 2,195.7           |              |
| 9    | 216       | 144.70        | 1,012.9           |              |
| 10   | 227       | 75.36         | 502.0             |              |
| 11   | 247       | 72.18         | 443.4             |              |
| 12   | 268       | 156.83        | 886.4             |              |
| 13   | 285       | 89.14         | 473.7             |              |
| 14   | 293       | 55.28         | 286.1             |              |
| 15   | 308       | 62.83         | 309.3             |              |
| 16   | 321       | 54.63         | 257.8             |              |
| 17   | 333       | 61.26         | 279.1             |              |
| 18   | 375       | 51.66         | 208.5             |              |
| 19   | 388       | 54.41         | 212.4             |              |
| 20   | 454       | 56.36         | 188.2             |              |
| 21   | 492       | 48.28         | 148.6             |              |
| 22   | 520       | 57.20         | 166.6             |              |
| 23   | 580       | 42.55         | 111.2             |              |
| 24   | 597       | 41.20         | 104.6             |              |
| 25   | 615       | 60.27         | 148.4             |              |
| 26   | 660       | 50.24         | 115.3             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : OR6 Soni 1:2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 741       | 45.46         | 93.0              |              |
| 28   | 818       | 202.07        | 374.2             |              |
| 29   | 1,675     | 6.74          | 6.1               |              |
| 30   | 10,380    | 75.00         | 10.9              | Upper Marker |

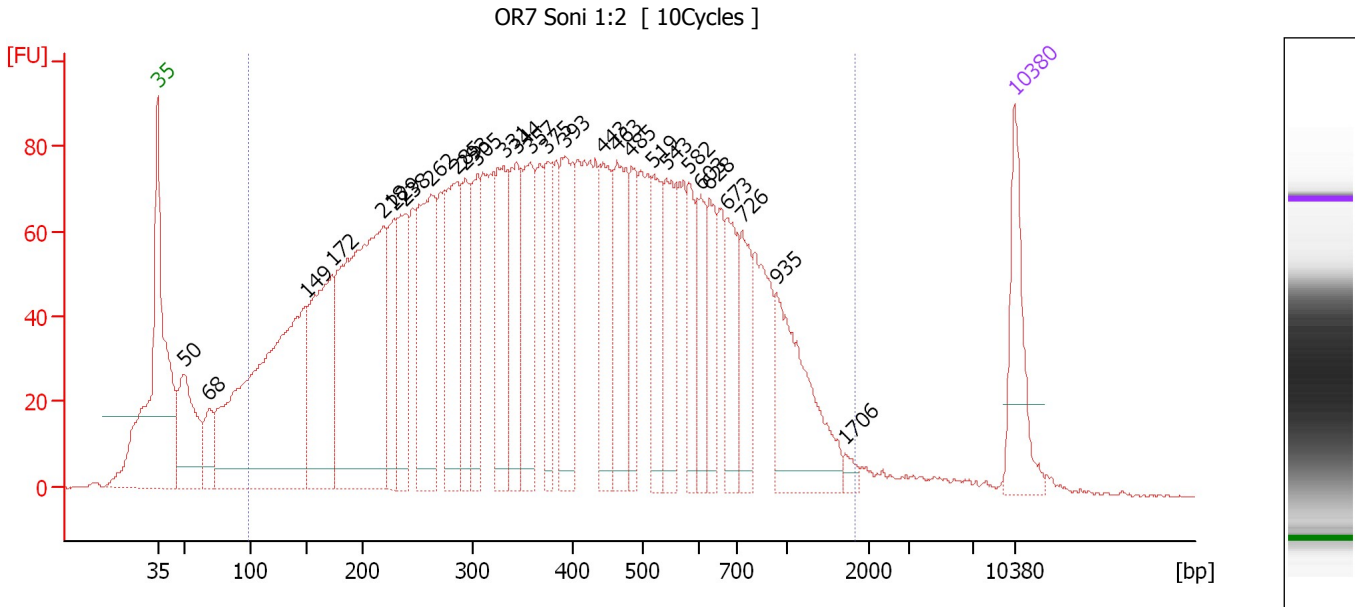
#### Region table for sample 7 : OR6 Soni 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 141       | 1,616   | 473               | 13,327.4          | 2,868.19      | 2,344.6    | 89         | 54.1                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : OR7 Soni 1:2**

Number of peaks found: 28                      Corr. Area 1: 3,991.9  
 Noise: 0.3

**Peak table for sample 8 : OR7 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 50        | 151.15        | 4,614.7           |              |
| 3    | 68        | 51.71         | 1,145.2           |              |
| 4    | 149       | 599.00        | 6,082.8           |              |
| 5    | 172       | 246.33        | 2,169.7           |              |
| 6    | 218       | 512.00        | 3,557.0           |              |
| 7    | 229       | 104.11        | 689.8             |              |
| 8    | 238       | 117.39        | 746.9             |              |
| 9    | 262       | 220.52        | 1,277.6           |              |
| 10   | 285       | 161.39        | 858.2             |              |
| 11   | 293       | 102.61        | 530.1             |              |
| 12   | 305       | 100.73        | 500.6             |              |
| 13   | 331       | 134.09        | 613.5             |              |
| 14   | 344       | 119.20        | 525.0             |              |
| 15   | 357       | 133.27        | 564.8             |              |
| 16   | 375       | 78.86         | 318.4             |              |
| 17   | 393       | 136.30        | 525.5             |              |
| 18   | 443       | 112.35        | 384.1             |              |
| 19   | 463       | 130.35        | 426.3             |              |
| 20   | 485       | 63.71         | 199.0             |              |
| 21   | 519       | 86.91         | 253.6             |              |
| 22   | 543       | 91.63         | 255.7             |              |
| 23   | 582       | 64.23         | 167.3             |              |
| 24   | 603       | 64.60         | 162.3             |              |
| 25   | 628       | 67.19         | 162.1             |              |
| 26   | 673       | 73.39         | 165.1             |              |




Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 8 : OR7 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 726       | 71.09         | 148.4             |              |
| 28   | 935       | 146.53        | 237.4             |              |
| 29   | 1,706     | 8.63          | 7.7               |              |
| 30   | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 8 : OR7 Soni 1:2**

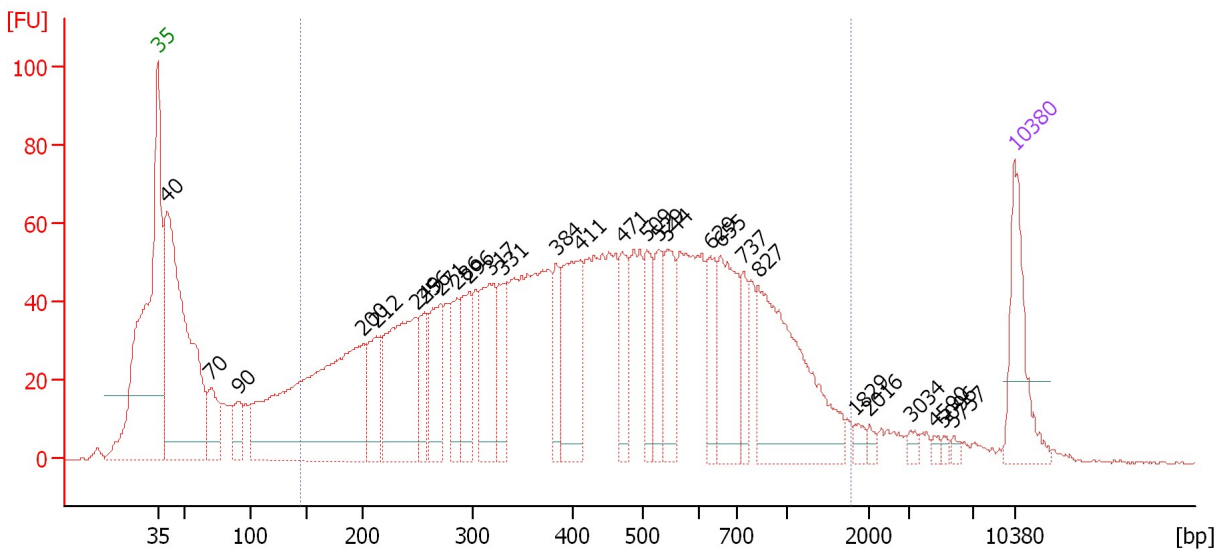
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 99        | 1,826   | 436               | 25,877.7          | 4,712.40      | 3,991.9    | 93         | 60.1                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...**

OR8 Soni 1:2 [ 10Cycles ]



**Overall Results for sample 9 : OR8 Soni 1:2**

Number of peaks found: 28                      Corr. Area 1: 2,348.0  
 Noise: 0.2

**Peak table for sample 9 : OR8 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 40        | 532.35        | 19,980.6          |              |
| 3    | 70        | 62.76         | 1,364.1           |              |
| 4    | 90        | 40.51         | 680.4             |              |
| 5    | 200       | 477.82        | 3,623.7           |              |
| 6    | 212       | 73.86         | 527.5             |              |
| 7    | 249       | 207.98        | 1,267.2           |              |
| 8    | 256       | 57.20         | 338.6             |              |
| 9    | 271       | 88.55         | 495.8             |              |
| 10   | 286       | 66.21         | 351.0             |              |
| 11   | 296       | 74.66         | 381.6             |              |
| 12   | 317       | 110.04        | 525.8             |              |
| 13   | 331       | 54.08         | 247.8             |              |
| 14   | 384       | 48.60         | 191.8             |              |
| 15   | 411       | 135.60        | 499.5             |              |
| 16   | 471       | 61.90         | 199.0             |              |
| 17   | 509       | 53.08         | 158.0             |              |
| 18   | 529       | 55.44         | 158.9             |              |
| 19   | 544       | 67.59         | 188.3             |              |
| 20   | 629       | 54.64         | 131.7             |              |
| 21   | 655       | 108.59        | 251.0             |              |
| 22   | 737       | 35.70         | 73.4              |              |
| 23   | 827       | 222.25        | 407.1             |              |
| 24   | 1,829     | 8.12          | 6.7               |              |
| 25   | 2,016     | 5.96          | 4.5               |              |
| 26   | 3,034     | 6.30          | 3.1               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : OR8 Soni 1:2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 4,590     | 4.54          | 1.5               |              |
| 28   | 5,096     | 3.43          | 1.0               |              |
| 29   | 5,757     | 3.93          | 1.0               |              |
| 30   | 10,380    | 75.00         | 10.9              | Upper Marker |

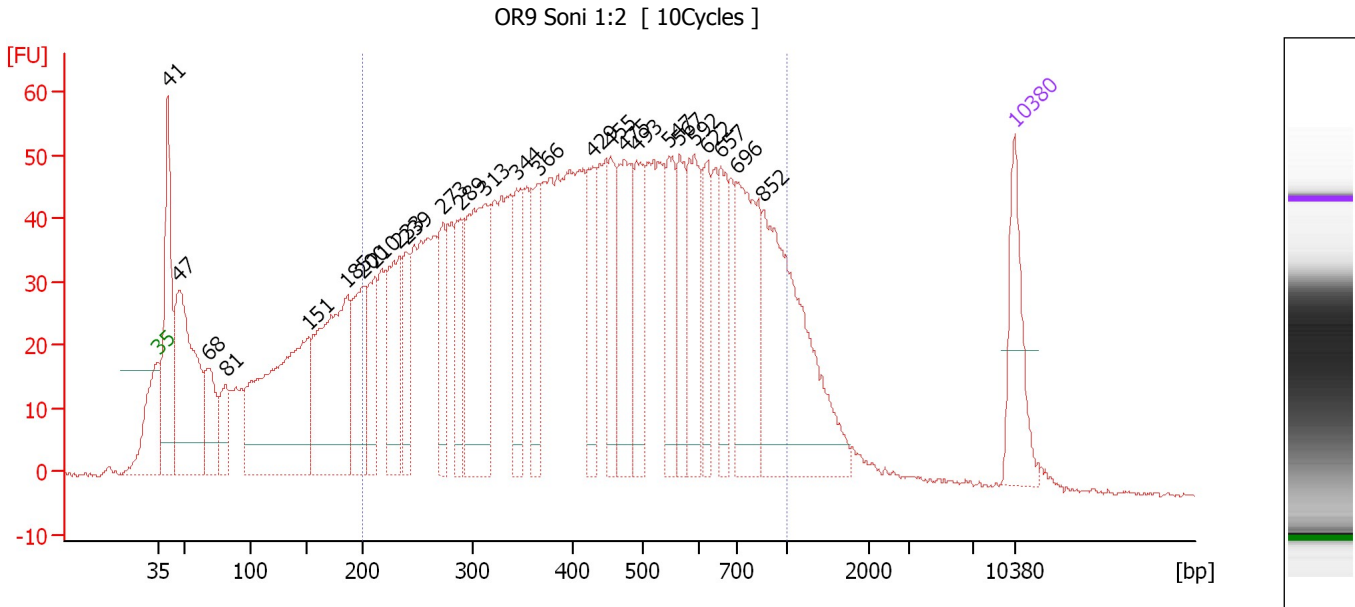
#### Region table for sample 9 : OR8 Soni 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 144       | 1,777   | 493               | 12,539.1          | 2,783.47      | 2,348.0    | 79         | 56.9                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : OR9 Soni 1:2**

Number of peaks found: 26                      Corr. Area 1: 2,017.6  
 Noise: 0.4

**Peak table for sample 10 : OR9 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 41        | 239.91        | 8,934.6           |              |
| 3    | 47        | 314.41        | 10,200.4          |              |
| 4    | 68        | 95.10         | 2,113.7           |              |
| 5    | 81        | 63.62         | 1,194.3           |              |
| 6    | 151       | 405.65        | 4,068.8           |              |
| 7    | 185       | 313.73        | 2,562.9           |              |
| 8    | 200       | 133.65        | 1,011.3           |              |
| 9    | 210       | 88.17         | 635.2             |              |
| 10   | 233       | 142.06        | 925.0             |              |
| 11   | 239       | 75.94         | 480.6             |              |
| 12   | 273       | 83.87         | 465.4             |              |
| 13   | 289       | 89.21         | 467.3             |              |
| 14   | 313       | 234.74        | 1,136.9           |              |
| 15   | 344       | 99.11         | 436.2             |              |
| 16   | 366       | 95.90         | 396.6             |              |
| 17   | 429       | 92.27         | 325.6             |              |
| 18   | 455       | 81.55         | 271.7             |              |
| 19   | 475       | 138.33        | 441.3             |              |
| 20   | 493       | 89.31         | 274.7             |              |
| 21   | 547       | 83.47         | 231.2             |              |
| 22   | 567       | 80.88         | 216.3             |              |
| 23   | 592       | 109.83        | 280.9             |              |
| 24   | 622       | 67.11         | 163.5             |              |
| 25   | 657       | 70.36         | 162.4             |              |
| 26   | 696       | 176.03        | 383.3             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 10 : OR9 Soni 1:2

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations |
|------|-----------|---------------------|-------------------|--------------|
| 27   | 852       | 288.03              | 512.5             |              |
| 28   | 10,380    | 75.00               | 10.9              | Upper Marker |

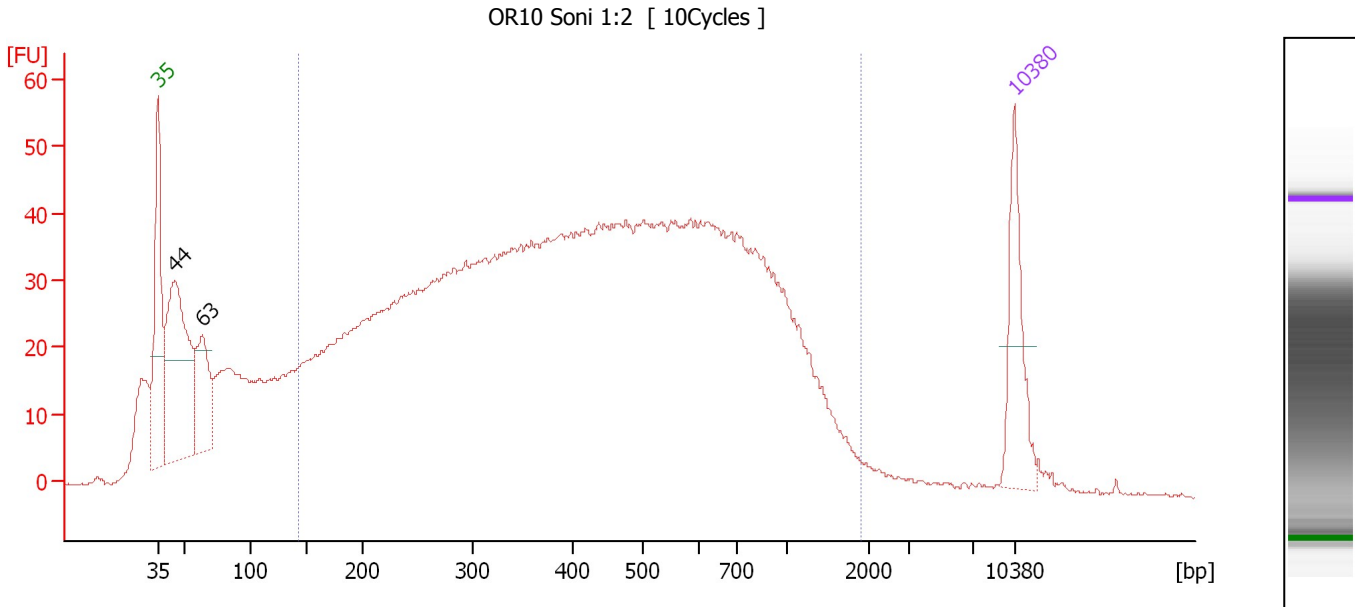
#### Region table for sample 10 : OR9 Soni 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color                               |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|-------------------------------------|
| 200       | 1,000   | 463               | 15,057.2          | 3,683.88            | 2,017.6    | 71         | 40.1                        | <span style="color: blue;">■</span> |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 11 : OR10 Soni 1:2**

Height Threshold [FU] : 15

**Overall Results for sample 11 : OR10 Soni 1:2**

Number of peaks found: 2                      Corr. Area 1: 1,822.8  
 Noise: 0.3

**Peak table for sample 11 : OR10 Soni 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 44        | 309.58        | 10,607.9          |              |
| 3    | 63        | 111.92        | 2,678.6           |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 11 : OR10 Soni 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color       |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------------|
| 142       | 1,905   | 497               | 15,847.3          | 3,450.04      | 1,822.8    | 79         | 59.7                        | Blue square |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03\_001.xad

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**Gel Image**

