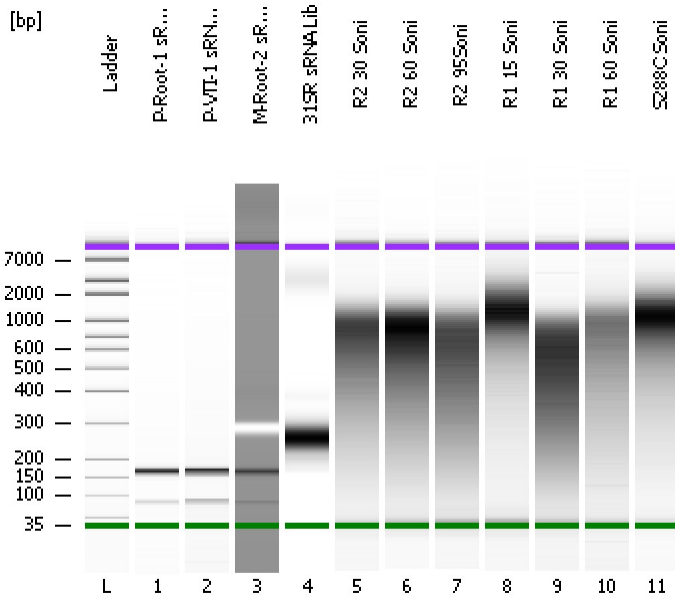


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
Modified: 2/1/2013 2:28:39 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

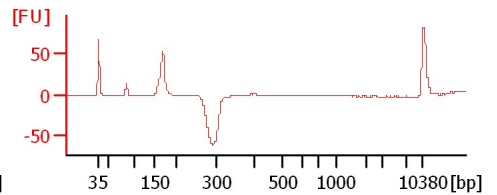
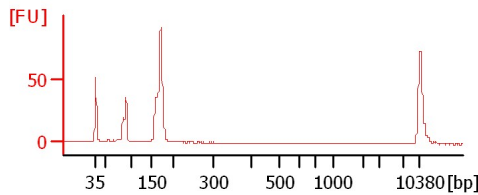
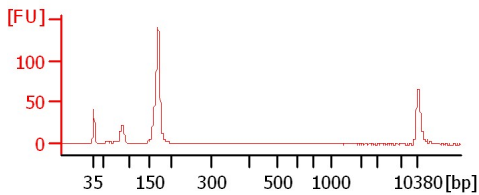
Chip Information:

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

**P-Root-1 sRNA Lib**

**P-VTI-1 sRNA Lib**

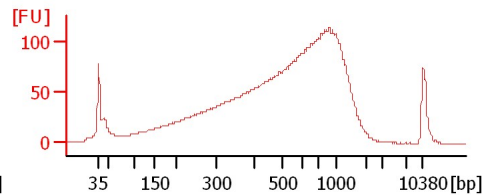
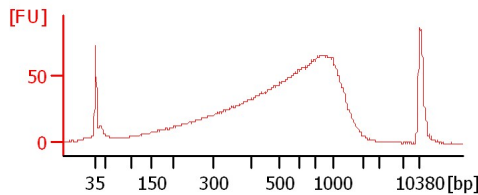
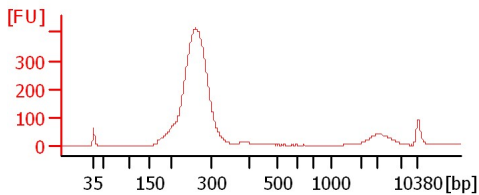
**M-Root-2 sRNA Lib**



**31SR sRNA Lib**

**R2 30 Soni**

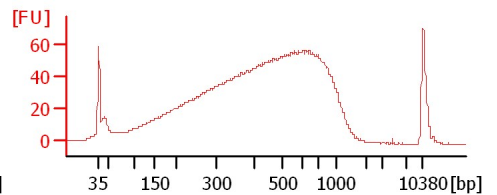
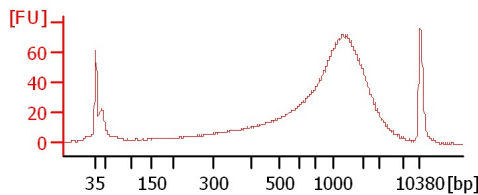
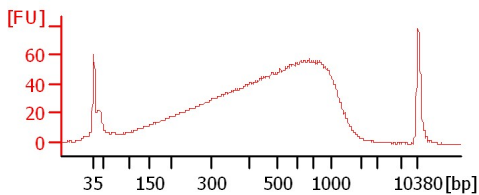
**R2 60 Soni**



**R2 95Soni**

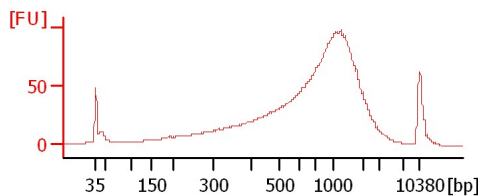
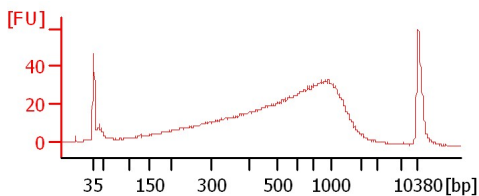
**R1 15 Soni**

**R1 30 Soni**



**R1 60 Soni**

**S288C Soni**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

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

| Sample Name       | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| P-Root-1 sRNA Lib |                | <input type="checkbox"/> | ✓      |             |              |              |
| P-VTI-1 sRNA Lib  |                | <input type="checkbox"/> | ✓      |             |              |              |
| M-Root-2 sRNA Lib |                | <input type="checkbox"/> | ✓      |             |              |              |
| 31SR sRNA Lib     |                | <input type="checkbox"/> | ✓      |             |              |              |
| R2 30 Soni        |                | <input type="checkbox"/> | ✓      |             |              |              |
| R2 60 Soni        |                | <input type="checkbox"/> | ✓      |             |              |              |
| R2 95Soni         |                | <input type="checkbox"/> | ✓      |             |              |              |
| R1 15 Soni        |                | <input type="checkbox"/> | ✓      |             |              |              |
| R1 30 Soni        |                | <input type="checkbox"/> | ✓      |             |              |              |
| R1 60 Soni        |                | <input type="checkbox"/> | ✓      |             |              |              |
| S288C Soni        |                | <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\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

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

**Integrator Settings**

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

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

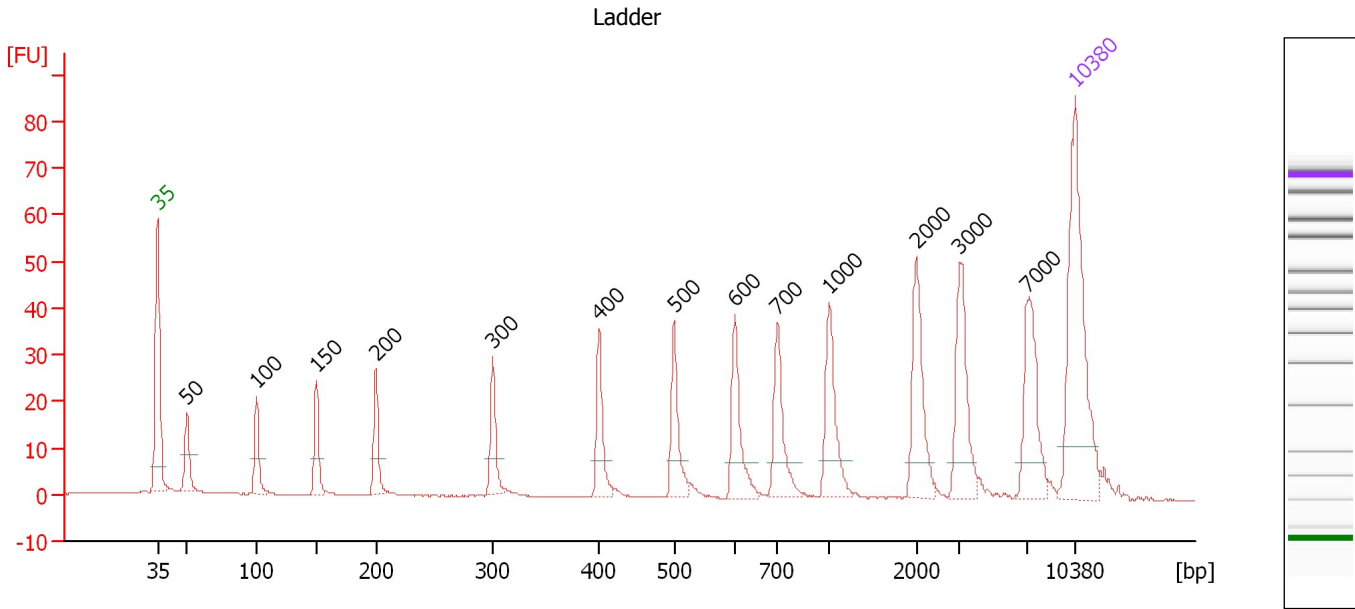
**Ladder**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

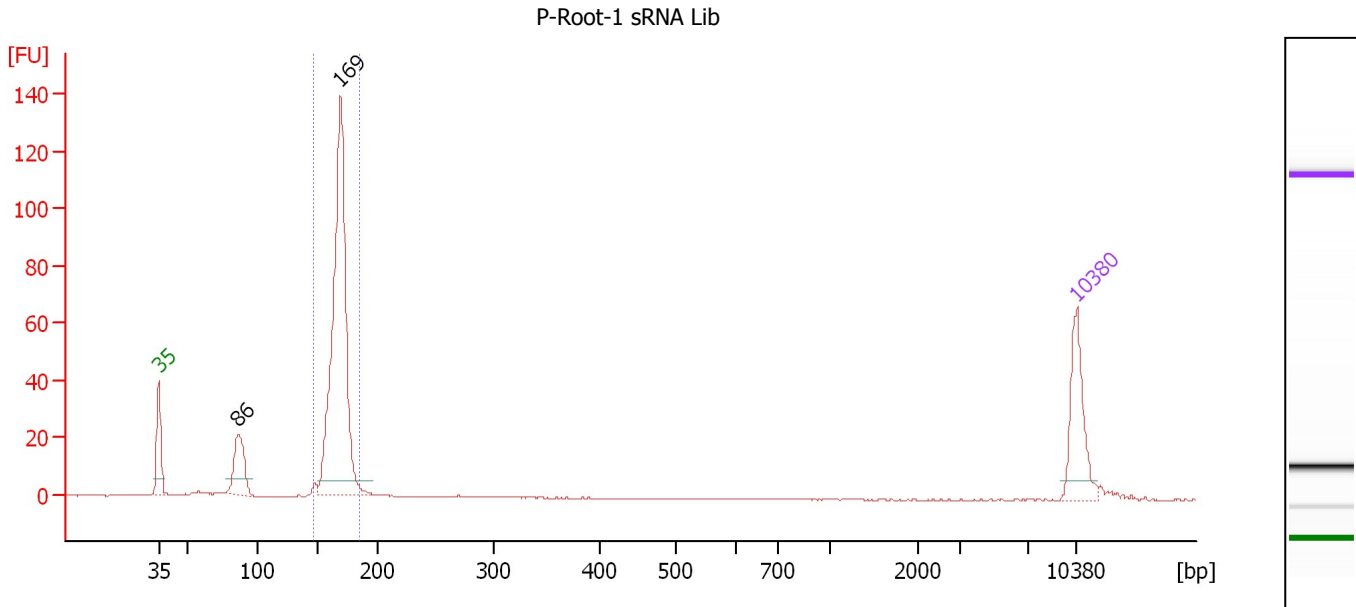
**Peak table for Ladder**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 50        | 150.00        | 4,545.5           | Ladder Peak  |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : P-Root-1 sRNA Lib**

Number of peaks found: 2                      Corr. Area 1: 296.4  
 Noise: 0.1

**Peak table for sample 1 : P-Root-1 sRNA Lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 86        | 94.14         | 1,661.0           |              |
| 3    | 169       | 591.37        | 5,291.5           |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |

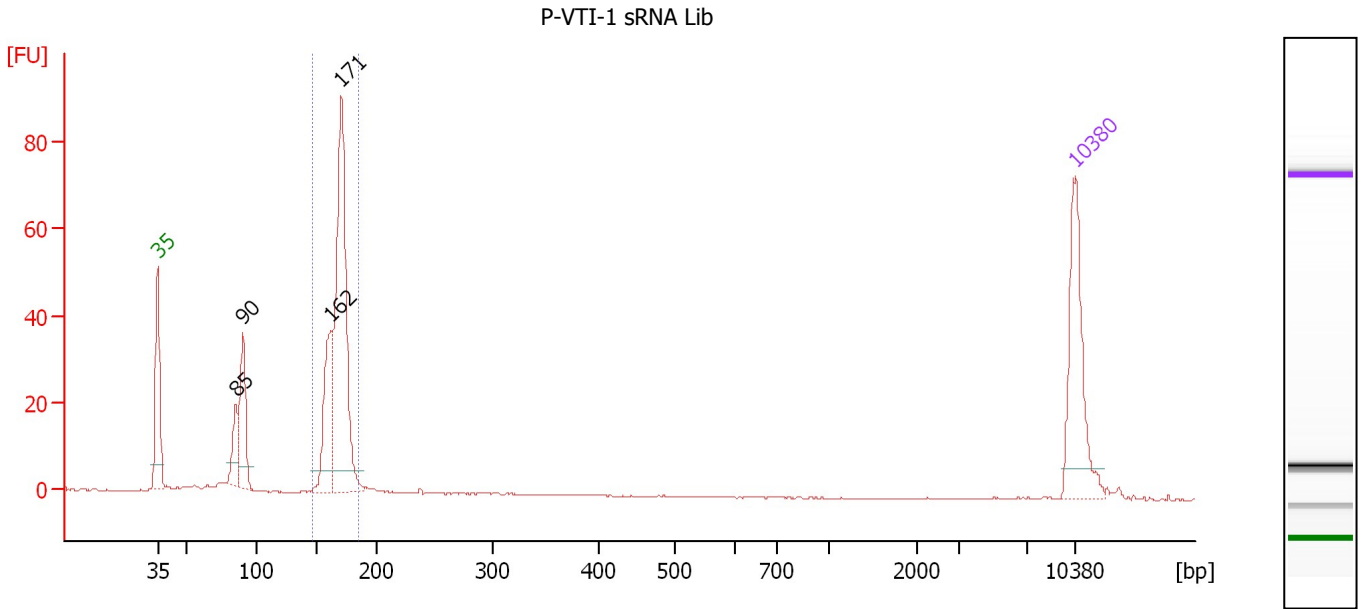
**Region table for sample 1 : P-Root-1 sRNA Lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 147       | 185     | 168               | 5,441.2           | 601.85        | 296.4      | 81         | 3.7                         | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : P-VTI-1 sRNA Lib**

Number of peaks found: 4                      Corr. Area 1: 200.7  
 Noise: 0.1

**Peak table for sample 2 : P-VTI-1 sRNA Lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 85        | 35.63         | 634.5             |              |
| 3    | 90        | 75.94         | 1,277.2           |              |
| 4    | 162       | 93.43         | 873.4             |              |
| 5    | 171       | 259.85        | 2,304.3           |              |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker |

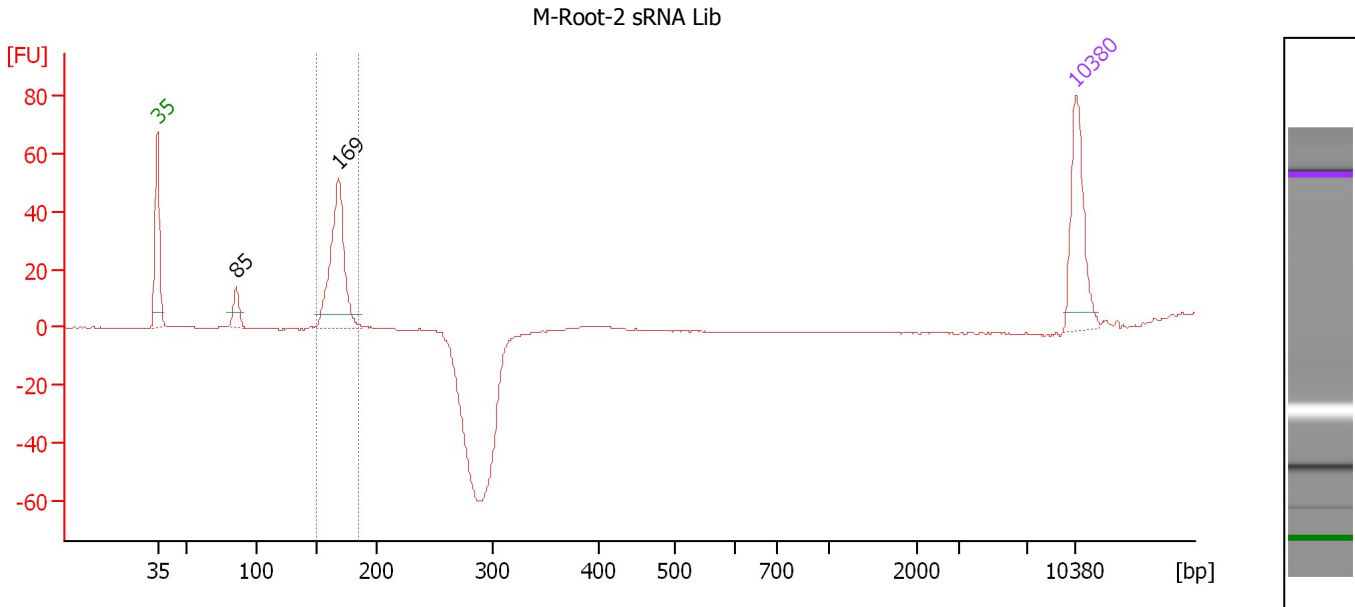
**Region table for sample 2 : P-VTI-1 sRNA Lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 147       | 186     | 168               | 3,244.5           | 359.81        | 200.7      | 68         | 3.9                         | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : M-Root-2 sRNA Lib**

Number of peaks found: 2                      Corr. Area 1: 107.6  
 Noise: 0.1

**Peak table for sample 3 : M-Root-2 sRNA Lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 85        | 28.73         | 510.2             |              |
| 3    | 169       | 189.67        | 1,704.0           |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |

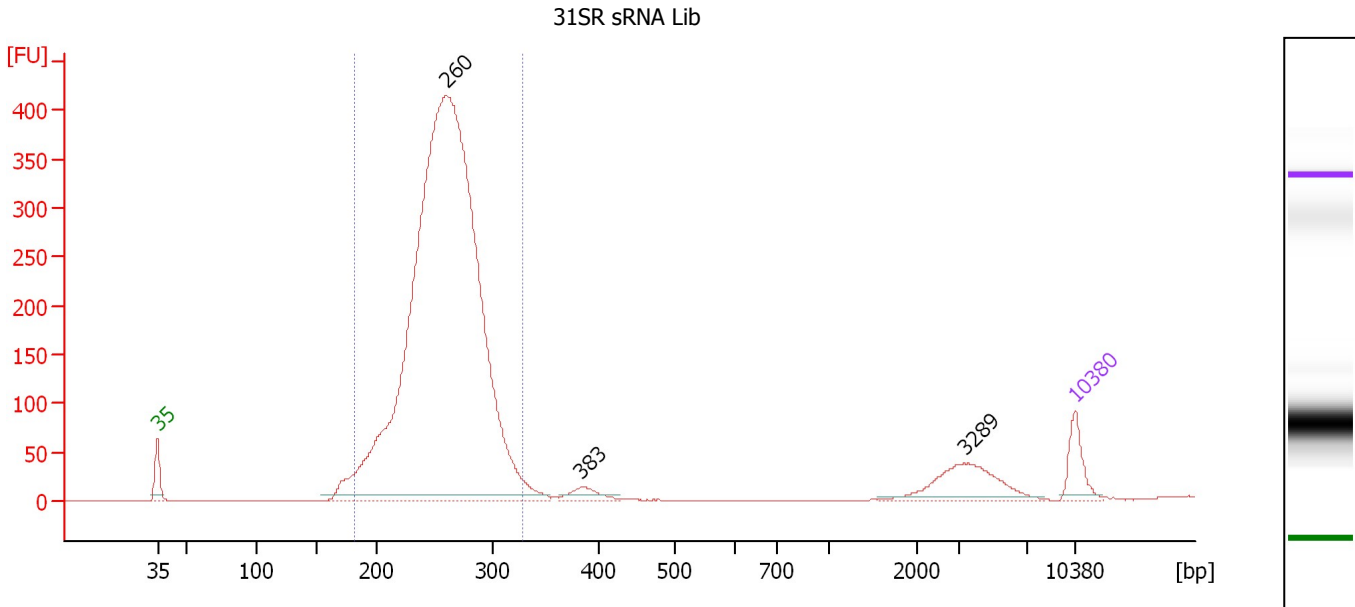
**Region table for sample 3 : M-Root-2 sRNA Lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 150       | 185     | 167               | 1,623.7           | 179.15        | 107.6      | 79         | 3.4                         | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 31SR sRNA Lib**

Number of peaks found: 3                      Corr. Area 1: 3,938.3  
 Noise: 0.1

**Peak table for sample 4 : 31SR sRNA Lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 260       | 4,956.23      | 28,861.5          |              |
| 3    | 383       | 49.79         | 197.2             |              |
| 4    | 3,289     | 168.89        | 77.8              |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 4 : 31SR sRNA Lib**

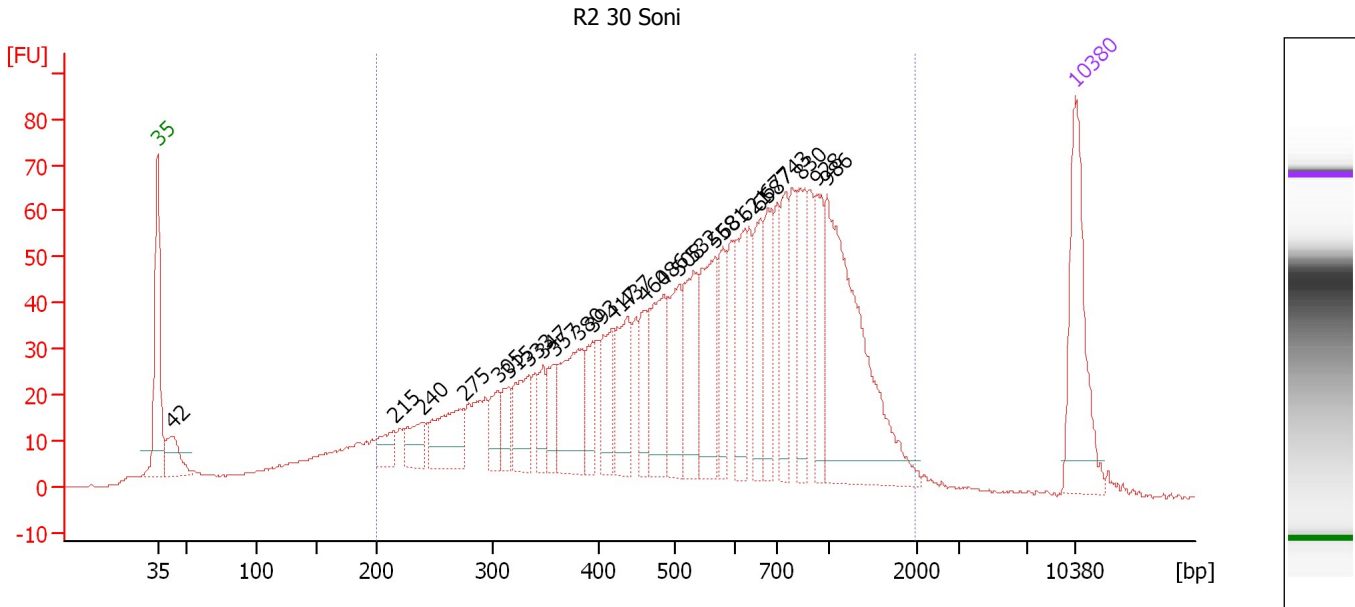
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 182       | 327     | 258               | 29,005.6          | 4,899.82      | 3,938.3    | 91         | 10.5                        | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : R2 30 Soni**

Number of peaks found: 26                      Corr. Area 1: 1,800.3  
 Noise: 0.2

**Peak table for sample 5 : R2 30 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 42        | 38.58         | 1,382.5           |              |
| 3    | 215       | 21.26         | 149.7             |              |
| 4    | 240       | 28.32         | 179.1             |              |
| 5    | 275       | 59.00         | 325.0             |              |
| 6    | 305       | 22.87         | 113.7             |              |
| 7    | 315       | 24.02         | 115.7             |              |
| 8    | 333       | 44.56         | 202.5             |              |
| 9    | 347       | 27.20         | 118.8             |              |
| 10   | 357       | 26.39         | 111.9             |              |
| 11   | 380       | 74.01         | 295.1             |              |
| 12   | 393       | 27.83         | 107.2             |              |
| 13   | 417       | 43.04         | 156.3             |              |
| 14   | 437       | 51.74         | 179.3             |              |
| 15   | 460       | 35.04         | 115.5             |              |
| 16   | 486       | 69.01         | 215.3             |              |
| 17   | 508       | 59.90         | 178.7             |              |
| 18   | 532       | 59.68         | 169.9             |              |
| 19   | 568       | 70.13         | 187.2             |              |
| 20   | 581       | 36.81         | 96.0              |              |
| 21   | 621       | 49.30         | 120.3             |              |
| 22   | 658       | 46.26         | 106.6             |              |
| 23   | 677       | 42.48         | 95.1              |              |
| 24   | 743       | 46.96         | 95.7              |              |
| 25   | 830       | 55.00         | 100.4             |              |
| 26   | 928       | 39.54         | 64.6              |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad


Created: 2/1/2013 1:43:47 PM  
Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : R2 30 Soni**

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations |
|------|-----------|---------------------|-------------------|--------------|
| 27   | 986       | 190.62              | 292.9             |              |
| 28   | 10,380    | 75.00               | 10.9              | Upper Marker |

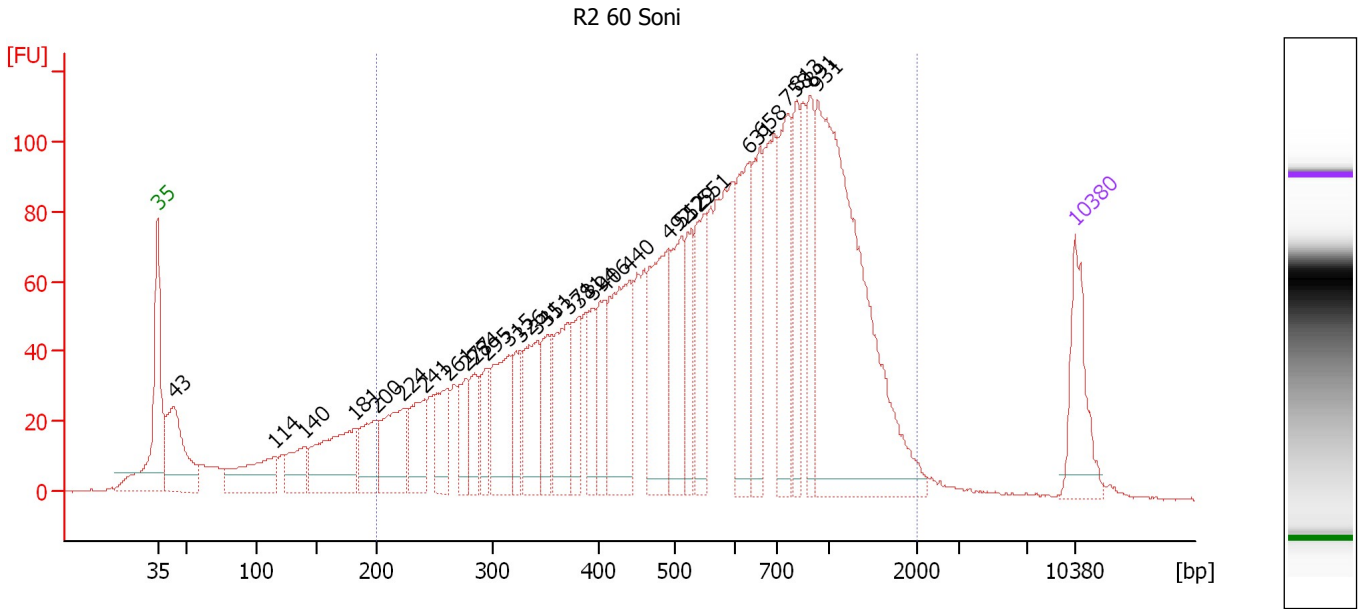
**Region table for sample 5 : R2 30 Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 200       | 1,979   | 647               | 5,894.1           | 1,796.82            | 1,800.3    | 88         | 52.1                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : R2 60 Soni**

Number of peaks found: 30                      Corr. Area 1: 3,034.2  
 Noise: 0.2

**Peak table for sample 6 : R2 60 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 171.96        | 6,008.7           |              |
| 3    | 114       | 110.42        | 1,464.9           |              |
| 4    | 140       | 62.83         | 680.1             |              |
| 5    | 181       | 158.84        | 1,327.6           |              |
| 6    | 200       | 75.66         | 573.6             |              |
| 7    | 224       | 118.67        | 804.3             |              |
| 8    | 241       | 76.81         | 482.3             |              |
| 9    | 261       | 76.51         | 443.7             |              |
| 10   | 277       | 51.79         | 283.4             |              |
| 11   | 284       | 53.72         | 286.2             |              |
| 12   | 295       | 50.91         | 261.3             |              |
| 13   | 315       | 122.41        | 588.0             |              |
| 14   | 326       | 54.69         | 254.5             |              |
| 15   | 341       | 99.43         | 441.8             |              |
| 16   | 351       | 60.74         | 262.2             |              |
| 17   | 371       | 106.76        | 436.5             |              |
| 18   | 381       | 63.31         | 252.0             |              |
| 19   | 394       | 52.82         | 203.3             |              |
| 20   | 406       | 66.13         | 246.6             |              |
| 21   | 440       | 176.56        | 607.9             |              |
| 22   | 492       | 170.35        | 524.2             |              |
| 23   | 512       | 113.31        | 335.1             |              |
| 24   | 529       | 70.22         | 201.2             |              |
| 25   | 551       | 97.11         | 267.2             |              |
| 26   | 631       | 146.20        | 350.8             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad


Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : R2 60 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 658       | 106.00        | 244.0             |              |
| 28   | 758       | 131.08        | 261.9             |              |
| 29   | 813       | 82.04         | 152.8             |              |
| 30   | 891       | 79.67         | 135.6             |              |
| 31   | 931       | 530.52        | 863.4             |              |
| 32   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

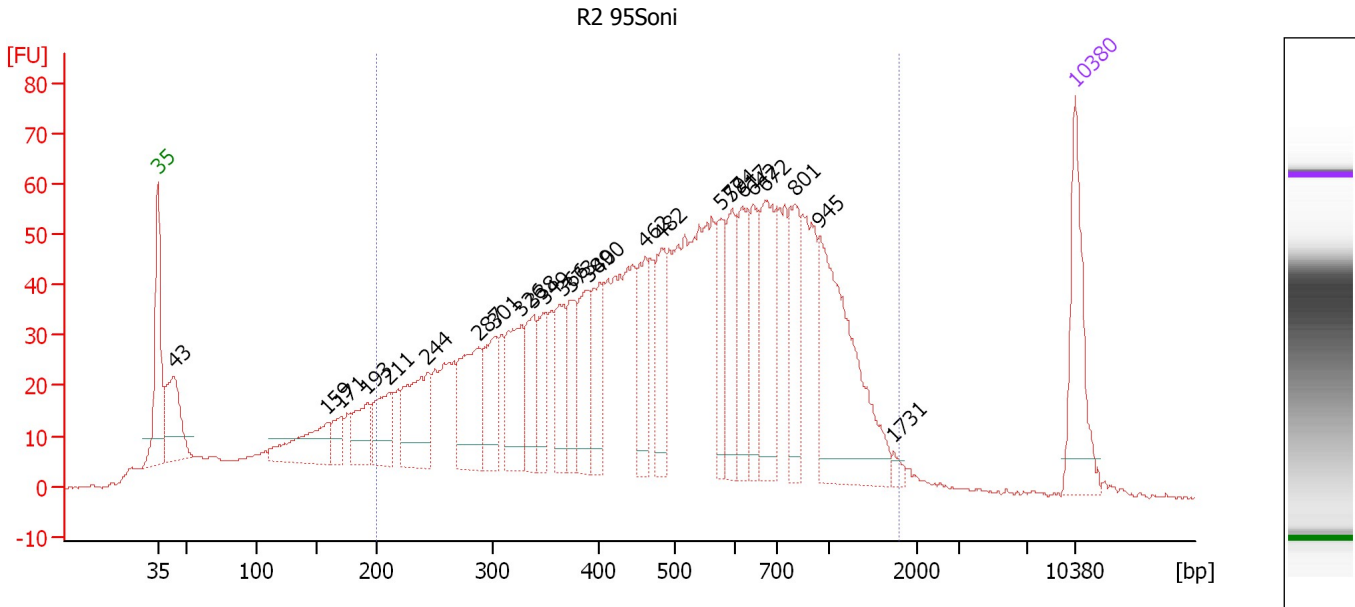
**Region table for sample 6 : R2 60 Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 200       | 2,038   | 656               | 11,520.5          | 3,497.67      | 3,034.2    | 87         | 53.3                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : R2 95Soni**

Number of peaks found: 25                      Corr. Area 1: 1,935.0  
 Noise: 0.2

**Peak table for sample 7 : R2 95Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 103.43        | 3,608.7           |              |
| 3    | 159       | 80.27         | 764.9             |              |
| 4    | 171       | 26.76         | 237.4             |              |
| 5    | 193       | 49.72         | 390.9             |              |
| 6    | 211       | 58.62         | 420.8             |              |
| 7    | 244       | 106.96        | 665.3             |              |
| 8    | 287       | 102.58        | 541.5             |              |
| 9    | 301       | 73.14         | 367.9             |              |
| 10   | 326       | 88.15         | 409.3             |              |
| 11   | 338       | 64.06         | 287.4             |              |
| 12   | 349       | 46.22         | 200.6             |              |
| 13   | 366       | 53.57         | 221.9             |              |
| 14   | 373       | 51.06         | 207.4             |              |
| 15   | 389       | 64.38         | 250.7             |              |
| 16   | 400       | 62.21         | 235.8             |              |
| 17   | 462       | 67.39         | 221.1             |              |
| 18   | 482       | 65.90         | 207.0             |              |
| 19   | 577       | 55.86         | 146.6             |              |
| 20   | 594       | 63.14         | 161.1             |              |
| 21   | 617       | 75.07         | 184.5             |              |
| 22   | 642       | 53.17         | 125.5             |              |
| 23   | 672       | 107.75        | 243.0             |              |
| 24   | 801       | 68.61         | 129.8             |              |
| 25   | 945       | 191.52        | 306.9             |              |
| 26   | 1,731     | 6.00          | 5.2               |              |


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...****... Peak table for sample 7 : R2 95Soni**

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

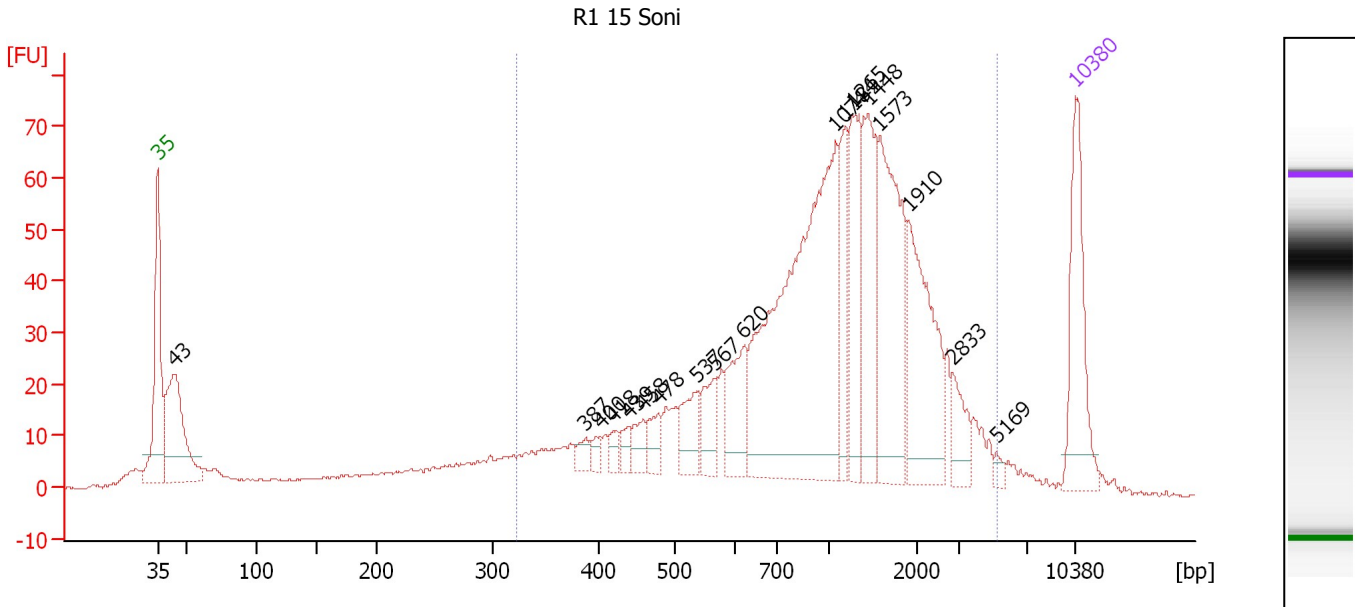
**Region table for sample 7 : R2 95Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 200       | 1,808   | 570               | 9,603.7           | 2,653.60            | 1,935.0    | 83         | 51.1                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : R1 15 Soni**

Number of peaks found: 18      Corr. Area 1: 1,209.9  
 Noise: 0.3

**Peak table for sample 8 : R1 15 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 153.04        | 5,334.0           |              |
| 3    | 387       | 11.49         | 45.0              |              |
| 4    | 400       | 8.38          | 31.7              |              |
| 5    | 418       | 9.88          | 35.8              |              |
| 6    | 439       | 12.05         | 41.6              |              |
| 7    | 458       | 18.19         | 60.2              |              |
| 8    | 478       | 20.26         | 64.2              |              |
| 9    | 537       | 35.40         | 99.8              |              |
| 10   | 567       | 33.01         | 88.3              |              |
| 11   | 620       | 55.13         | 134.8             |              |
| 12   | 1,074     | 350.95        | 495.0             |              |
| 13   | 1,184     | 52.77         | 67.5              |              |
| 14   | 1,265     | 80.83         | 96.8              |              |
| 15   | 1,448     | 84.70         | 88.6              |              |
| 16   | 1,573     | 139.01        | 133.9             |              |
| 17   | 1,910     | 105.68        | 83.8              |              |
| 18   | 2,833     | 24.68         | 13.2              |              |
| 19   | 5,169     | 4.60          | 1.3               |              |
| 20   | 10,380    | 75.00         | 10.9              | Upper Marker |

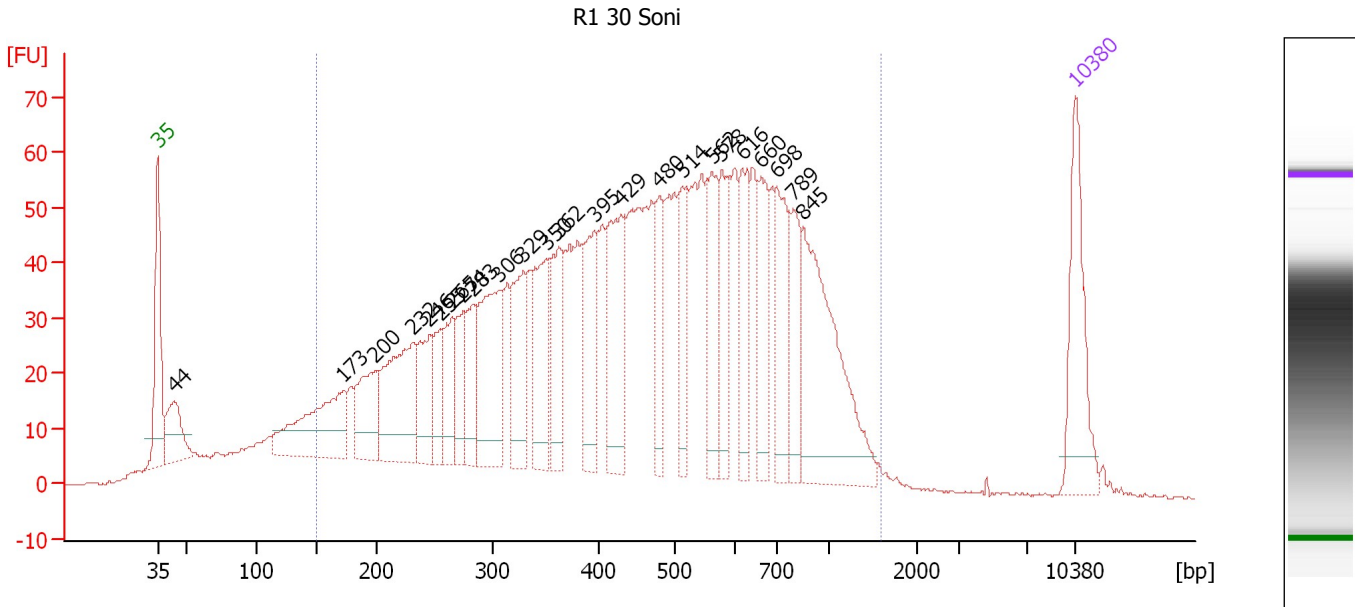
**Region table for sample 8 : R1 15 Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 321       | 5,241   | 1,262             | 2,592.3           | 1,380.35      | 1,209.9    | 82         | 63.4                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : R1 30 Soni**

Number of peaks found: 24                      Corr. Area 1: 2,163.0  
 Noise: 0.2

**Peak table for sample 9 : R1 30 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 44        | 69.84         | 2,431.3           |              |
| 3    | 173       | 140.56        | 1,233.8           |              |
| 4    | 200       | 79.07         | 600.0             |              |
| 5    | 232       | 144.92        | 948.4             |              |
| 6    | 246       | 67.11         | 413.6             |              |
| 7    | 255       | 47.01         | 279.2             |              |
| 8    | 265       | 55.19         | 315.5             |              |
| 9    | 274       | 51.05         | 282.0             |              |
| 10   | 283       | 52.39         | 280.9             |              |
| 11   | 306       | 130.66        | 647.8             |              |
| 12   | 329       | 88.39         | 407.6             |              |
| 13   | 350       | 86.82         | 375.5             |              |
| 14   | 362       | 74.62         | 312.4             |              |
| 15   | 395       | 89.70         | 344.0             |              |
| 16   | 429       | 112.78        | 398.1             |              |
| 17   | 480       | 53.21         | 168.0             |              |
| 18   | 514       | 53.38         | 157.2             |              |
| 19   | 562       | 76.23         | 205.6             |              |
| 20   | 578       | 66.88         | 175.4             |              |
| 21   | 616       | 65.65         | 161.4             |              |
| 22   | 660       | 67.88         | 155.8             |              |
| 23   | 698       | 86.33         | 187.4             |              |
| 24   | 789       | 54.56         | 104.8             |              |
| 25   | 845       | 189.09        | 338.9             |              |
| 26   | 10,380    | 75.00         | 10.9              | Upper Marker |




Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

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**Electropherogram Summary Continued ...**

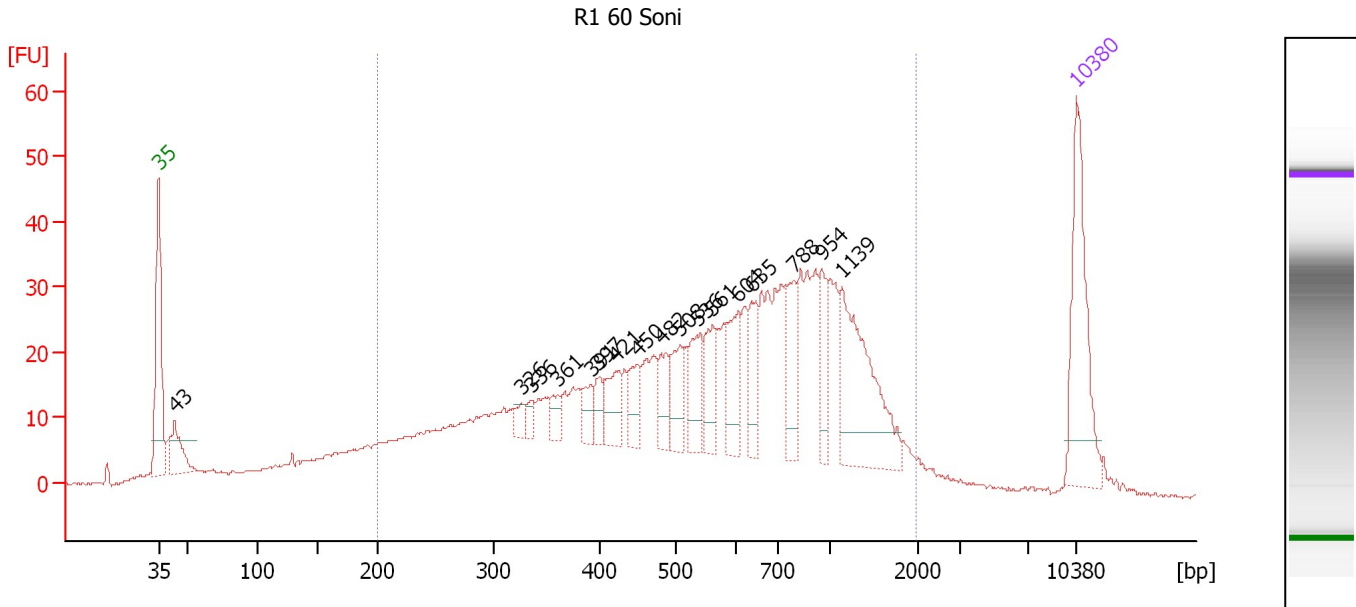
... Region table for sample 9 : R1 30 Soni

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 149       | 1,591   | 498               | 12,734.4          | 3,025.45            | 2,163.0    | 90         | 48.1                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : R1 60 Soni**

Number of peaks found: 17      Corr. Area 1: 928.4  
 Noise: 0.2

**Peak table for sample 10 : R1 60 Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 39.31         | 1,376.7           |              |
| 3    | 326       | 10.10         | 47.0              |              |
| 4    | 336       | 9.37          | 42.3              |              |
| 5    | 361       | 13.22         | 55.6              |              |
| 6    | 391       | 15.83         | 61.3              |              |
| 7    | 397       | 16.55         | 63.2              |              |
| 8    | 421       | 30.06         | 108.2             |              |
| 9    | 450       | 23.72         | 79.9              |              |
| 10   | 482       | 25.75         | 81.0              |              |
| 11   | 508       | 31.35         | 93.4              |              |
| 12   | 536       | 36.91         | 104.3             |              |
| 13   | 561       | 30.39         | 82.0              |              |
| 14   | 604       | 37.35         | 93.7              |              |
| 15   | 635       | 29.81         | 71.2              |              |
| 16   | 788       | 37.38         | 71.9              |              |
| 17   | 954       | 27.62         | 43.9              |              |
| 18   | 1,139     | 106.18        | 141.2             |              |
| 19   | 10,380    | 75.00         | 10.9              | Upper Marker |

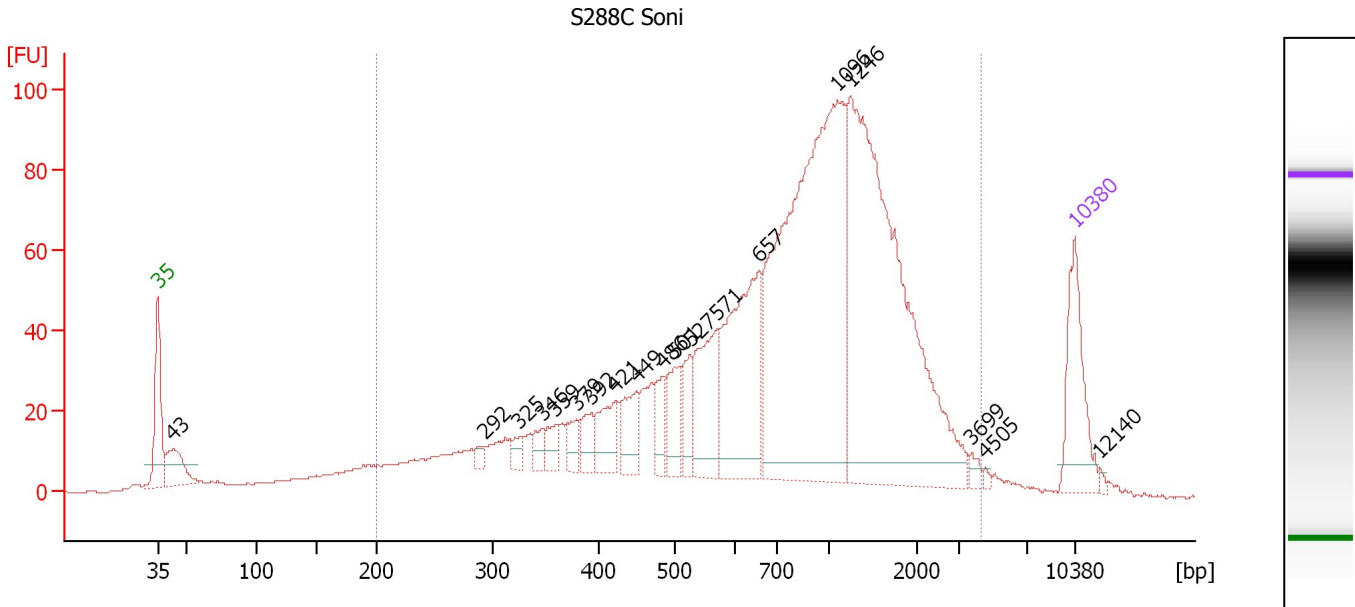
**Region table for sample 10 : R1 60 Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 1,981   | 670               | 4,839.6           | 1,472.49      | 928.4      | 85         | 55.1                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
 Modified: 2/1/2013 2:28:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : S288C Soni**

Number of peaks found: 19      Corr. Area 1: 1,888.2  
 Noise: 0.2

**Peak table for sample 11 : S288C Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 65.91         | 2,342.1           |              |
| 3    | 292       | 9.66          | 50.1              |              |
| 4    | 325       | 14.22         | 66.3              |              |
| 5    | 346       | 17.95         | 78.6              |              |
| 6    | 359       | 22.76         | 96.1              |              |
| 7    | 379       | 23.56         | 94.2              |              |
| 8    | 392       | 27.07         | 104.5             |              |
| 9    | 421       | 48.77         | 175.4             |              |
| 10   | 449       | 45.37         | 153.0             |              |
| 11   | 486       | 34.14         | 106.4             |              |
| 12   | 501       | 50.42         | 152.5             |              |
| 13   | 527       | 39.27         | 113.0             |              |
| 14   | 571       | 100.50        | 266.5             |              |
| 15   | 657       | 204.98        | 472.8             |              |
| 16   | 1,096     | 583.63        | 806.7             |              |
| 17   | 1,246     | 537.52        | 653.8             |              |
| 18   | 3,699     | 7.61          | 3.1               |              |
| 19   | 4,505     | 2.83          | 1.0               |              |
| 20   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 21   | 12,140    | 0.00          | 0.0               |              |

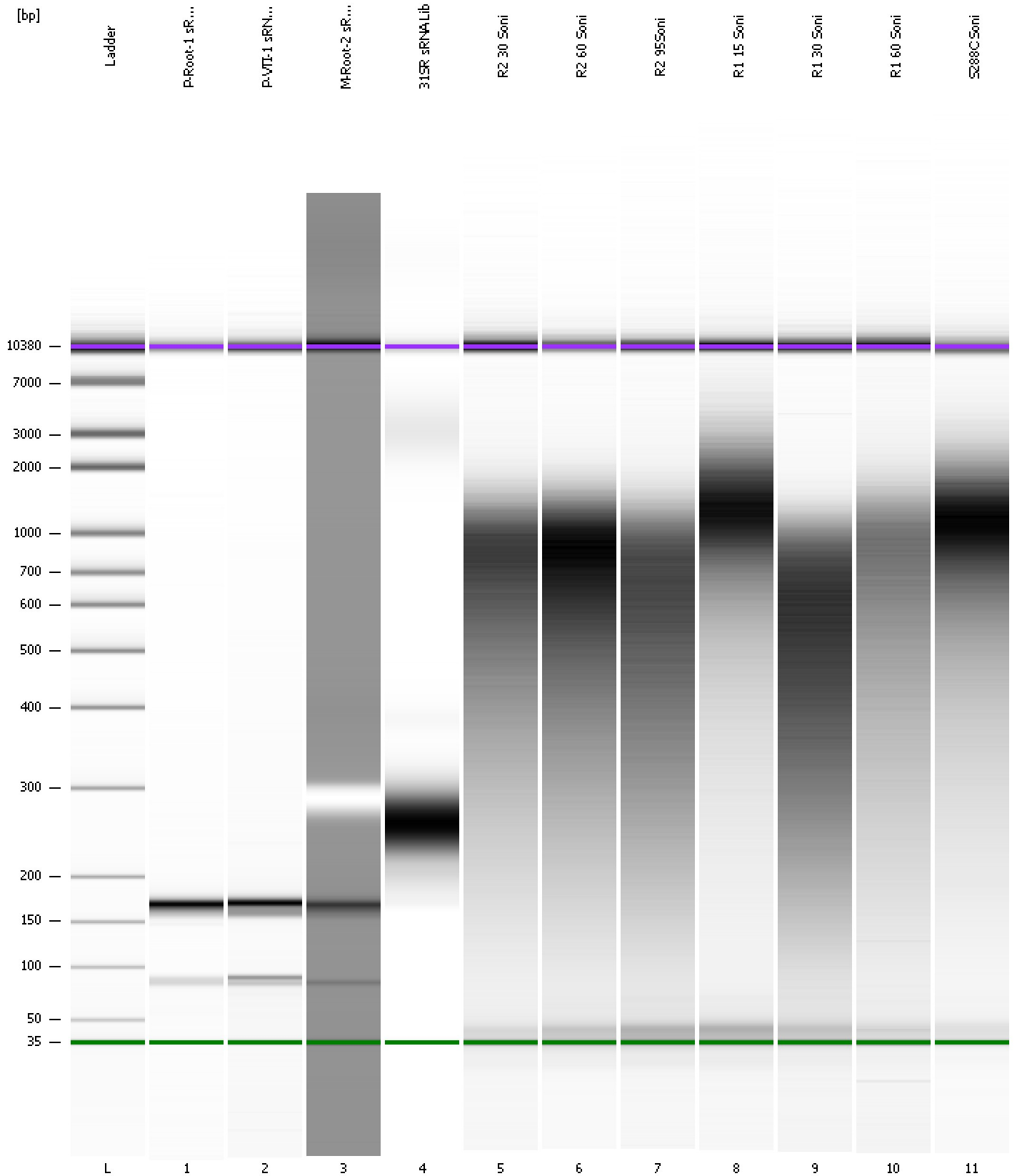
**Region table for sample 11 : S288C Soni**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 4,226   | 986               | 6,042.0           | 2,379.08      | 1,888.2    | 91         | 62.9                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad

Created: 2/1/2013 1:43:47 PM  
Modified: 2/1/2013 2:28:39 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay Created: 2/1/2013 1:43:47 PM  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-01\2013-02-01\_003.xad Modified: 2/1/2013 2:28:39 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      |              | 2/1/2013 2:25:06 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-02-01\2013-02-01_003.xad) |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 2/1/2013 1:43:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |