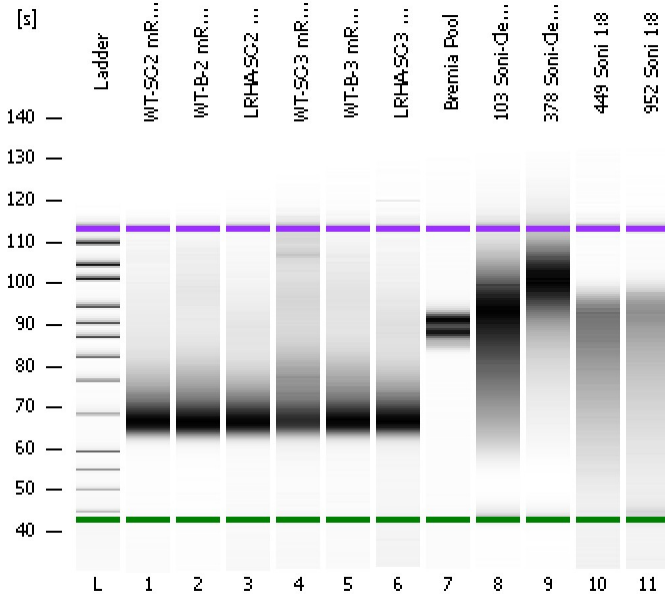


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
Modified: 1/22/2013 6:02:00 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

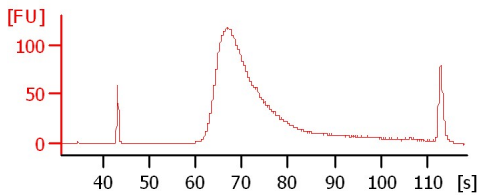
Assay Information:

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

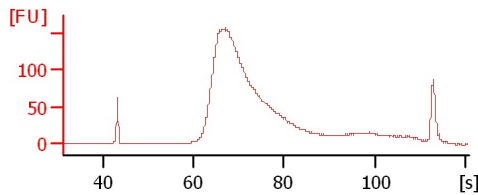
Chip Information:

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

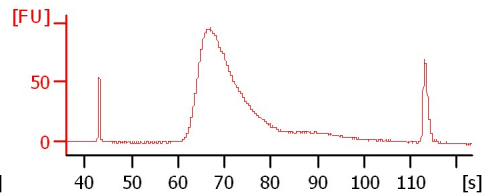
**WT-SC-2 mRNA Lib 1:6**



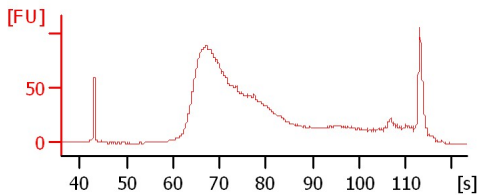
**WT-B-2 mRNA Lib 1:2**



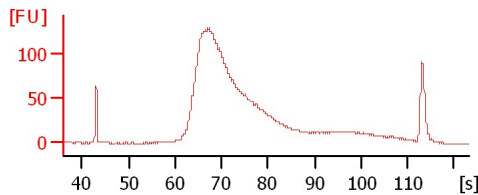
**LRHA-SC-2 mRNA Lib 1:9**



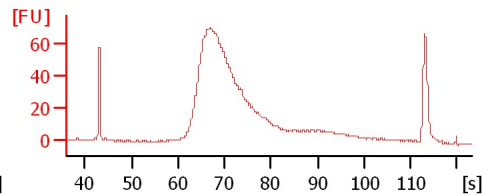
**WT-SC-3 mRNA Lib 1:4**



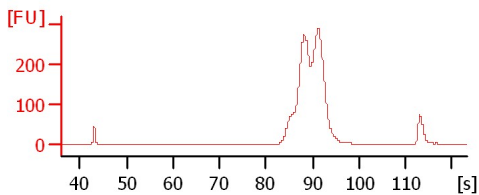
**WT-B-3 mRNA Lib 1:3**



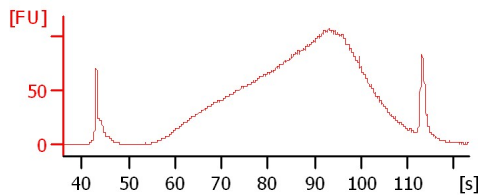
**LRHA-SC-3 mRNA Lib 1:9**



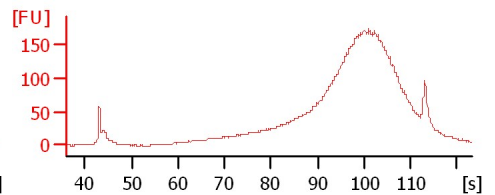
**Bremia Pool**



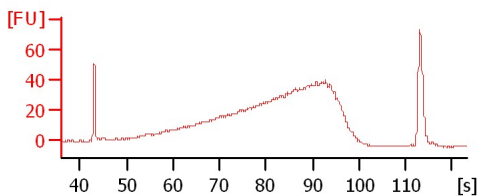
**103 Soni-Cleaned 1:2**



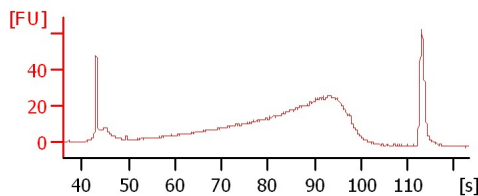
**378 Soni-Cleaned**



**449 Soni 1:8**



**952 Soni 1:8**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

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

| Sample Name            | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| WT-SC-2 mRNA Lib 1:6   |                | <input type="checkbox"/> | ✓      |             |              |              |
| WT-B-2 mRNA Lib 1:2    |                | <input type="checkbox"/> | ✓      |             |              |              |
| LRHA-SC-2 mRNA Lib 1:9 |                | <input type="checkbox"/> | ✓      |             |              |              |
| WT-SC-3 mRNA Lib 1:4   |                | <input type="checkbox"/> | ✓      |             |              |              |
| WT-B-3 mRNA Lib 1:3    |                | <input type="checkbox"/> | ✓      |             |              |              |
| LRHA-SC-3 mRNA Lib 1:9 |                | <input type="checkbox"/> | ✓      |             |              |              |
| Bremia Pool            |                | <input type="checkbox"/> | ✓      |             |              |              |
| 103 Soni-Cleaned 1:2   |                | <input type="checkbox"/> | ✓      |             |              |              |
| 378 Soni-Cleaned       |                | <input type="checkbox"/> | ✓      |             |              |              |
| 449 Soni 1:8           |                | <input type="checkbox"/> | ✓      |             |              |              |
| 952 Soni 1:8           |                | <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\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
Modified: 1/22/2013 6:02:00 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

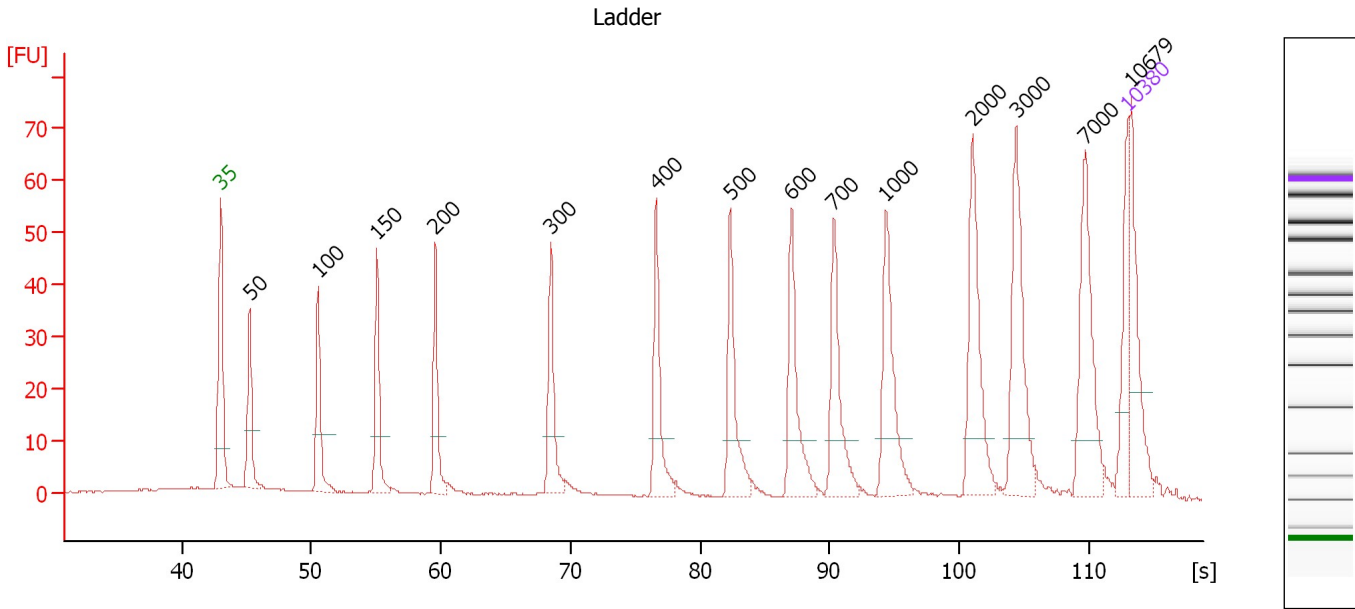
**Ladder**

| 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\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

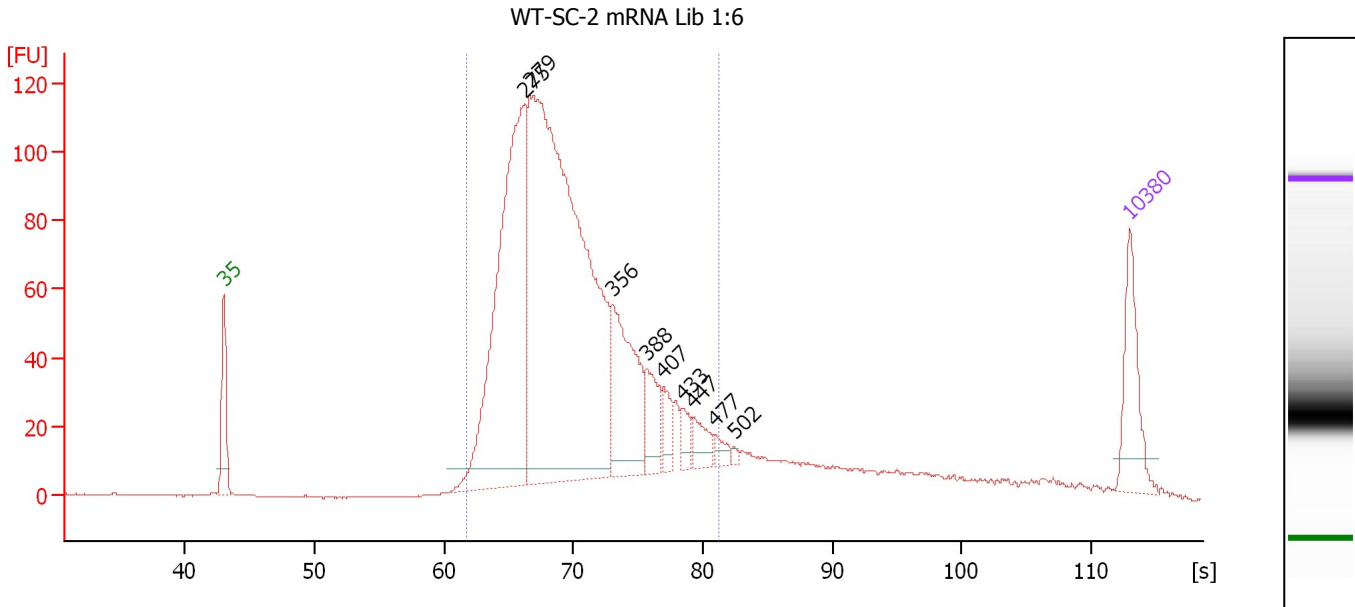
**Peak table for Ladder**

| 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 |
| 16   | 10,679    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : WT-SC-2 mRNA Lib 1:6**

Number of peaks found: 9                      Corr. Area 1: 1,744.0  
 Noise: 0.2

**Peak table for sample 1 : WT-SC-2 mRNA Lib 1:6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 275       | 670.85        | 3,699.8           |              |
| 3    | 279       | 1,269.51      | 6,884.8           |              |
| 4    | 356       | 202.99        | 865.1             |              |
| 5    | 388       | 64.04         | 249.9             |              |
| 6    | 407       | 34.45         | 128.4             |              |
| 7    | 433       | 22.30         | 78.1              |              |
| 8    | 447       | 32.47         | 110.0             |              |
| 9    | 477       | 15.78         | 50.1              |              |
| 10   | 502       | 4.48          | 13.5              |              |
| 11   | 10,380    | 75.00         | 10.9              | Upper Marker |

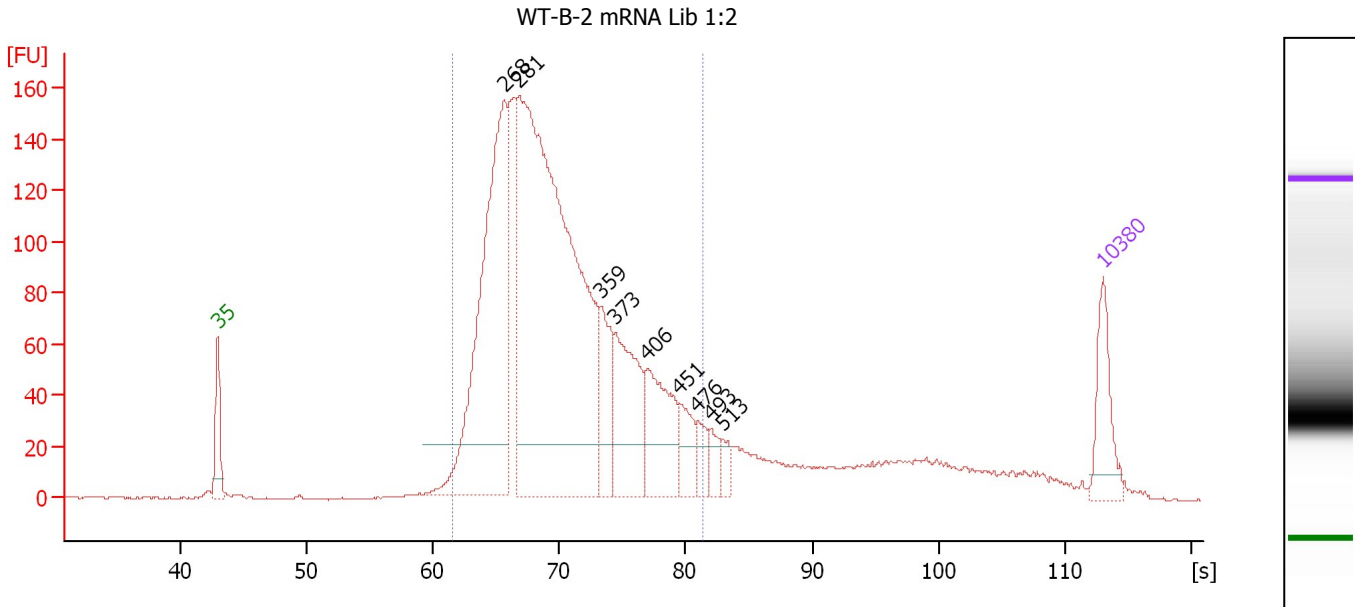
**Region table for sample 1 : WT-SC-2 mRNA Lib 1:6**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|
| 61.78    | 81.24  | 318               | 12,087.9          | 2,444.41      | 1,744.0 86            | 17.5                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 2 : WT-B-2 mRNA Lib 1:2**

Height Threshold [FU] : 20

**Overall Results for sample 2 : WT-B-2 mRNA Lib 1:2**

Number of peaks found: 9                      Corr. Area 1: 2,475.1  
 Noise: 0.3

**Peak table for sample 2 : WT-B-2 mRNA Lib 1:2**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 268       | 756.67        | 4,277.4           |              |
| 3    | 281       | 1,510.45      | 8,133.5           |              |
| 4    | 359       | 126.03        | 532.6             |              |
| 5    | 373       | 218.10        | 885.5             |              |
| 6    | 406       | 172.86        | 644.4             |              |
| 7    | 451       | 64.70         | 217.4             |              |
| 8    | 476       | 38.69         | 123.3             |              |
| 9    | 493       | 30.38         | 93.3              |              |
| 10   | 513       | 23.72         | 70.1              |              |
| 11   | 10,380    | 75.00         | 10.9              | Upper Marker |

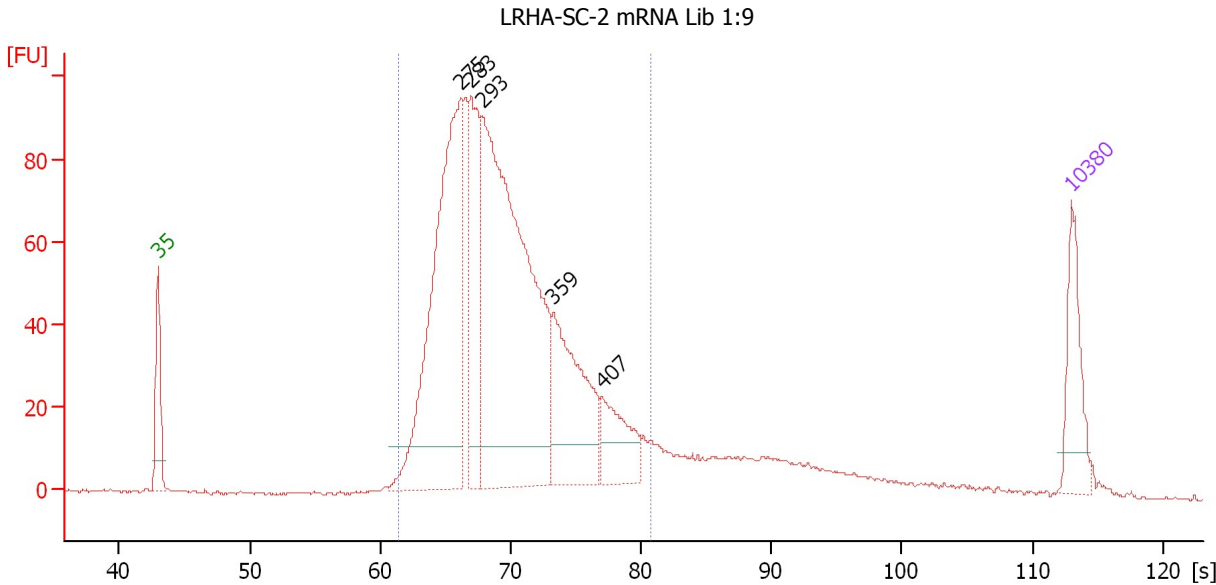
**Region table for sample 2 : WT-B-2 mRNA Lib 1:2**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|
| 61.59    | 81.34  | 320               | 14,856.5          | 3,006.63      | 2,475.1 83            | 18.3                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 3 : LRHA-SC-2 mRNA Lib 1:9**

Height Threshold [FU] : 10

**Overall Results for sample 3 : LRHA-SC-2 mRNA Lib 1:9**

Number of peaks found: 5                      Corr. Area 1: 1,398.4  
 Noise: 0.3

**Peak table for sample 3 : LRHA-SC-2 mRNA Lib 1:9**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 275       | 653.70        | 3,608.0           |              |
| 3    | 283       | 221.13        | 1,182.7           |              |
| 4    | 293       | 882.89        | 4,564.7           |              |
| 5    | 359       | 246.20        | 1,039.8           |              |
| 6    | 407       | 98.42         | 366.6             |              |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker |

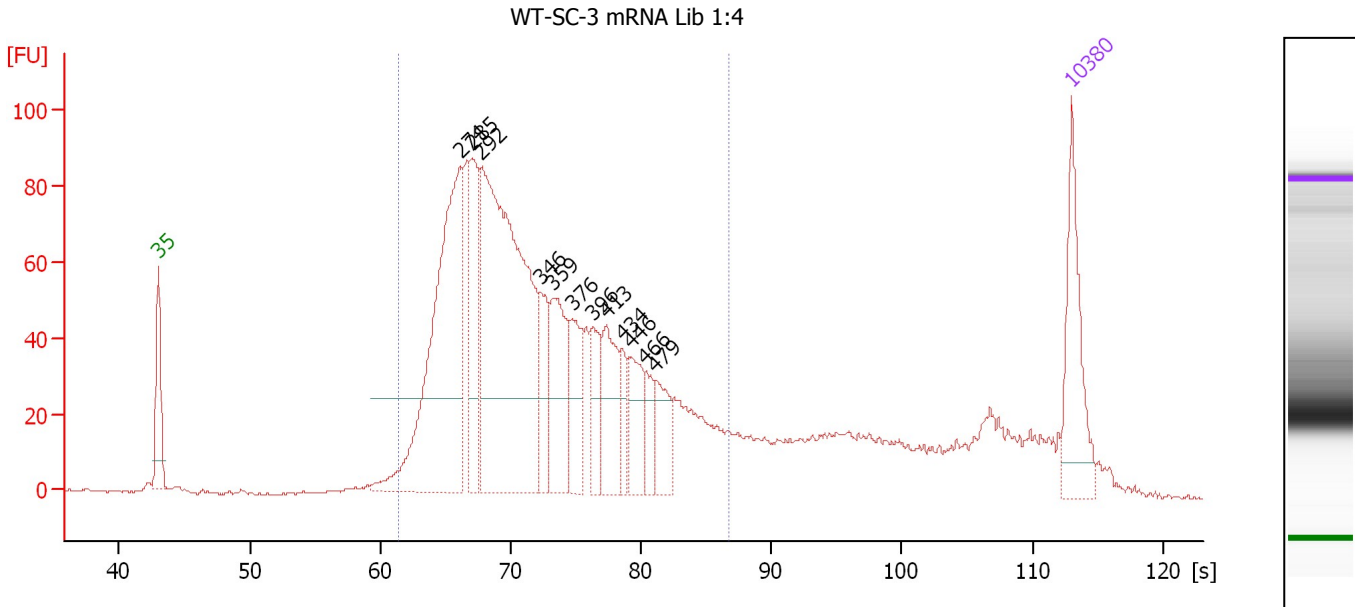
**Region table for sample 3 : LRHA-SC-2 mRNA Lib 1:9**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 61.42    | 80.73  | 315               | 11,321.6          | 2,271.09      | 1,398.4    | 86         | 16.8                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 4 : WT-SC-3 mRNA Lib 1:4**

Height Threshold [FU] : 25

**Overall Results for sample 4 : WT-SC-3 mRNA Lib 1:4**

Number of peaks found: 12                      Corr. Area 1: 1,673.4  
 Noise: 0.4

**Peak table for sample 4 : WT-SC-3 mRNA Lib 1:4**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 274       | 390.36        | 2,161.4           |              |
| 3    | 285       | 112.68        | 599.8             |              |
| 4    | 292       | 523.17        | 2,713.2           |              |
| 5    | 346       | 61.25         | 268.0             |              |
| 6    | 359       | 106.29        | 448.7             |              |
| 7    | 376       | 68.42         | 275.4             |              |
| 8    | 396       | 45.32         | 173.5             |              |
| 9    | 413       | 77.35         | 284.1             |              |
| 10   | 434       | 27.34         | 95.5              |              |
| 11   | 446       | 52.34         | 177.8             |              |
| 12   | 466       | 29.20         | 95.0              |              |
| 13   | 479       | 43.85         | 138.7             |              |
| 14   | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 4 : WT-SC-3 mRNA Lib 1:4**

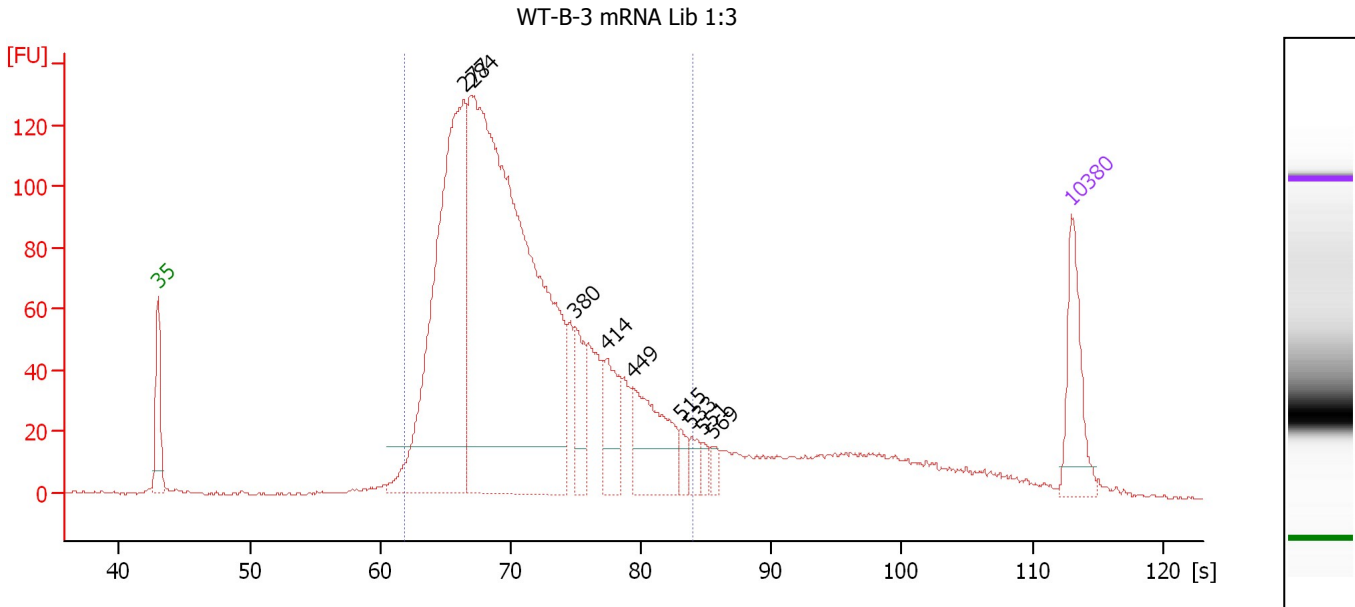
| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|
| 61.48    | 86.73  | 353               | 8,060.9           | 1,739.33      | 1,673.4 78            | 24.3                        | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 5 : WT-B-3 mRNA Lib 1:3**

Height Threshold [FU] : 15

**Overall Results for sample 5 : WT-B-3 mRNA Lib 1:3**

Number of peaks found: 9                      Corr. Area 1: 2,075.3  
 Noise: 0.4

**Peak table for sample 5 : WT-B-3 mRNA Lib 1:3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 277       | 687.93        | 3,760.5           |              |
| 3    | 284       | 1,323.56      | 7,065.7           |              |
| 4    | 380       | 72.95         | 291.0             |              |
| 5    | 414       | 78.65         | 287.6             |              |
| 6    | 449       | 135.52        | 457.8             |              |
| 7    | 515       | 18.72         | 55.1              |              |
| 8    | 533       | 19.53         | 55.5              |              |
| 9    | 551       | 12.74         | 35.1              |              |
| 10   | 569       | 13.24         | 35.3              |              |
| 11   | 10,380    | 75.00         | 10.9              | Upper Marker |

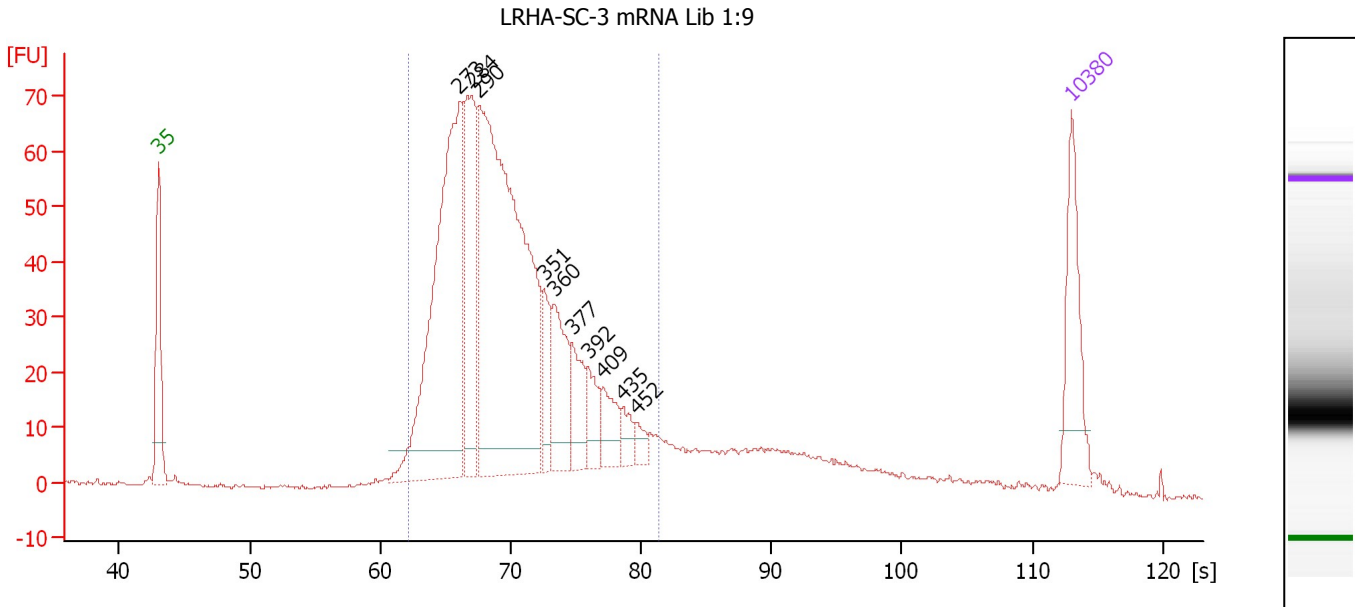
**Region table for sample 5 : WT-B-3 mRNA Lib 1:3**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area % of Total | Size distribution in CV [%] | Color |      |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|------|
| 61.92    | 83.96  | 332               | 11,578.4          | 2,404.17      | 2,075.3               | 85                          | 20.5  | Blue |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : LRHA-SC-3 mRNA Lib 1:9**

Number of peaks found: 10      Corr. Area 1: 1,032.3  
 Noise: 0.4

**Peak table for sample 6 : LRHA-SC-3 mRNA Lib 1:9**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 273       | 485.91        | 2,694.6           |              |
| 3    | 284       | 194.56        | 1,037.7           |              |
| 4    | 290       | 692.83        | 3,616.0           |              |
| 5    | 351       | 52.18         | 225.5             |              |
| 6    | 360       | 86.52         | 364.4             |              |
| 7    | 377       | 55.07         | 221.4             |              |
| 8    | 392       | 38.02         | 147.1             |              |
| 9    | 409       | 37.71         | 139.7             |              |
| 10   | 435       | 19.66         | 68.5              |              |
| 11   | 452       | 15.25         | 51.1              |              |
| 12   | 10,380    | 75.00         | 10.9              | Upper Marker |

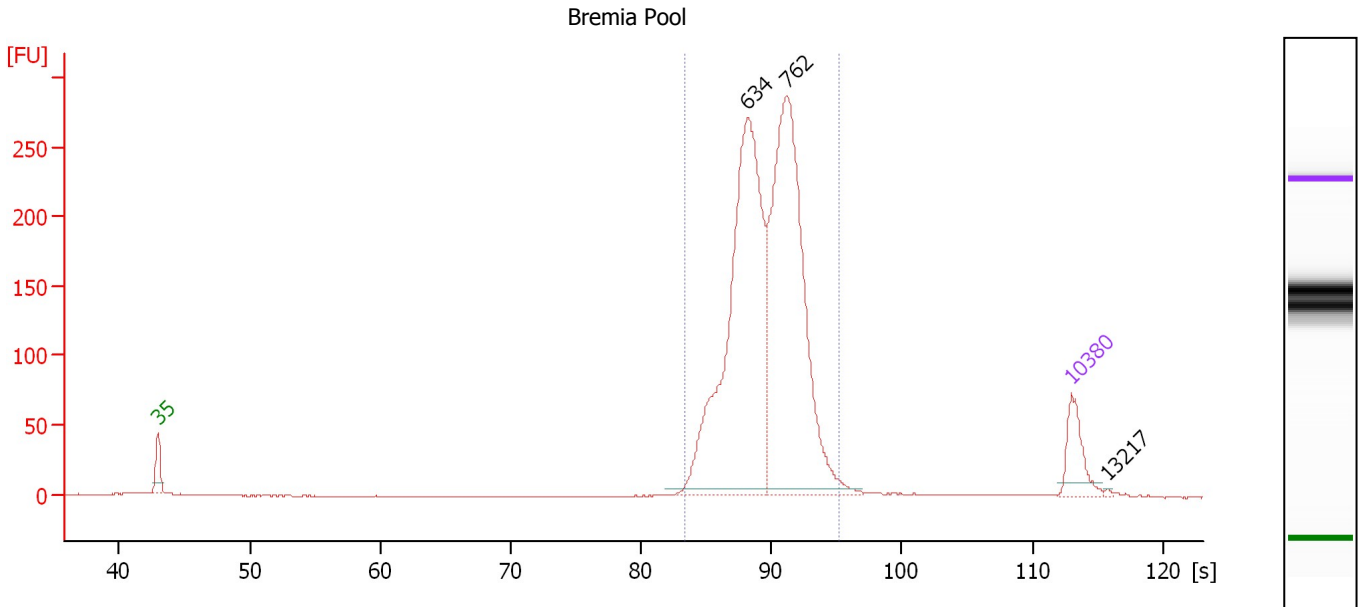
**Region table for sample 6 : LRHA-SC-3 mRNA Lib 1:9**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|
| 62.19    | 81.31  | 318               | 8,961.2           | 1,815.42      | 1,032.3 84            | 17.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Bremia Pool**

Number of peaks found: 3                      Corr. Area 1: 1,807.4  
 Noise: 0.2

**Peak table for sample 7 : Bremia Pool**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 634       | 1,062.60      | 2,538.5           |              |
| 3    | 762       | 1,024.63      | 2,038.1           |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |
| 5    | 13,217    | 0.00          | 0.0               |              |

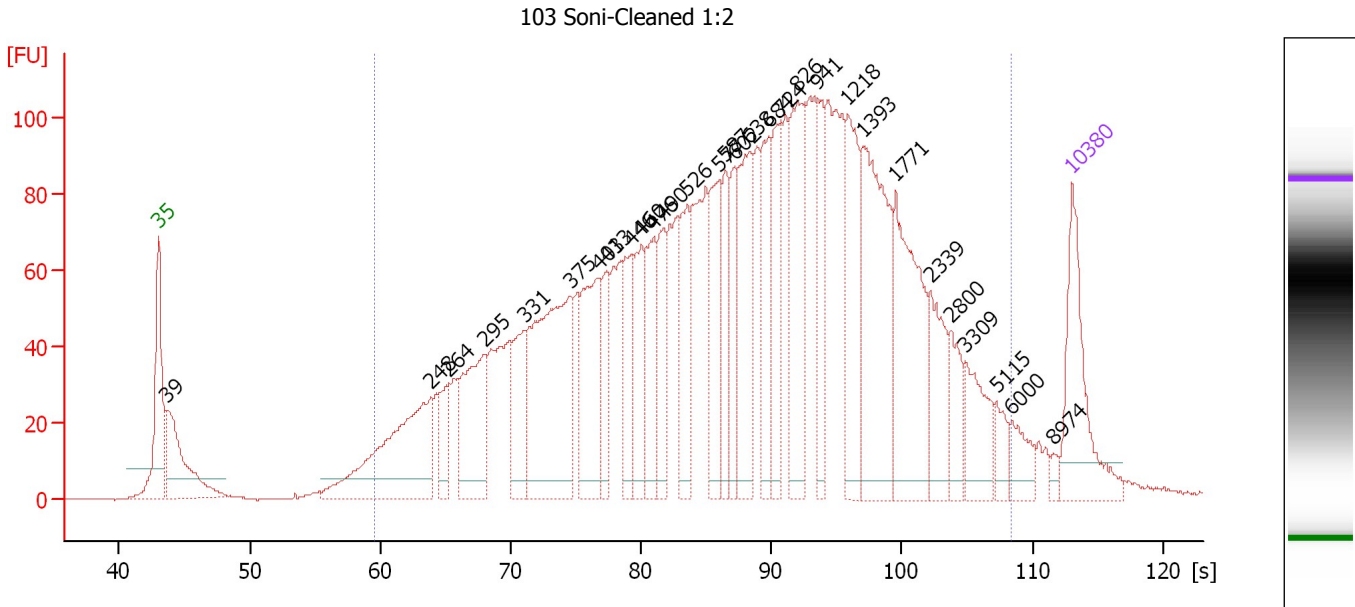
**Region table for sample 7 : Bremia Pool**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area % of Total | Size distribution in CV [%] | Color |      |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|-------|------|
| 83.39    | 95.25  | 701               | 4,345.8           | 1,971.24      | 1,807.4               | 100                         | 14.3  | Blue |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 103 Soni-Cleaned 1:2**

Number of peaks found: 30                      Corr. Area 1: 3,498.5  
 Noise: 0.2

**Peak table for sample 8 : 103 Soni-Cleaned 1:2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 39        | 126.58        | 4,866.9           |              |
| 3    | 248       | 192.58        | 1,174.6           |              |
| 4    | 264       | 35.94         | 206.5             |              |
| 5    | 295       | 115.11        | 591.7             |              |
| 6    | 331       | 70.68         | 323.3             |              |
| 7    | 375       | 218.63        | 882.9             |              |
| 8    | 403       | 107.26        | 403.7             |              |
| 9    | 413       | 42.89         | 157.3             |              |
| 10   | 446       | 62.03         | 210.7             |              |
| 11   | 460       | 62.98         | 207.5             |              |
| 12   | 476       | 64.33         | 205.0             |              |
| 13   | 490       | 51.54         | 159.5             |              |
| 14   | 526       | 71.84         | 206.9             |              |
| 15   | 577       | 72.82         | 191.3             |              |
| 16   | 587       | 50.37         | 130.1             |              |
| 17   | 602       | 50.31         | 126.6             |              |
| 18   | 638       | 100.56        | 238.7             |              |
| 19   | 684       | 67.81         | 150.2             |              |
| 20   | 724       | 78.30         | 163.8             |              |
| 21   | 826       | 112.18        | 205.8             |              |
| 22   | 941       | 53.28         | 85.8              |              |
| 23   | 1,218     | 88.37         | 109.9             |              |
| 24   | 1,393     | 154.96        | 168.5             |              |
| 25   | 1,771     | 123.88        | 106.0             |              |
| 26   | 2,339     | 50.28         | 32.6              |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad


Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 8 : 103 Soni-Cleaned 1:2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 2,800     | 30.96         | 16.8              |              |
| 28   | 3,309     | 44.30         | 20.3              |              |
| 29   | 5,115     | 15.88         | 4.7               |              |
| 30   | 6,000     | 21.68         | 5.5               |              |
| 31   | 8,974     | 4.95          | 0.8               |              |
| 32   | 10,380    | 75.00         | 10.9              | Upper Marker |

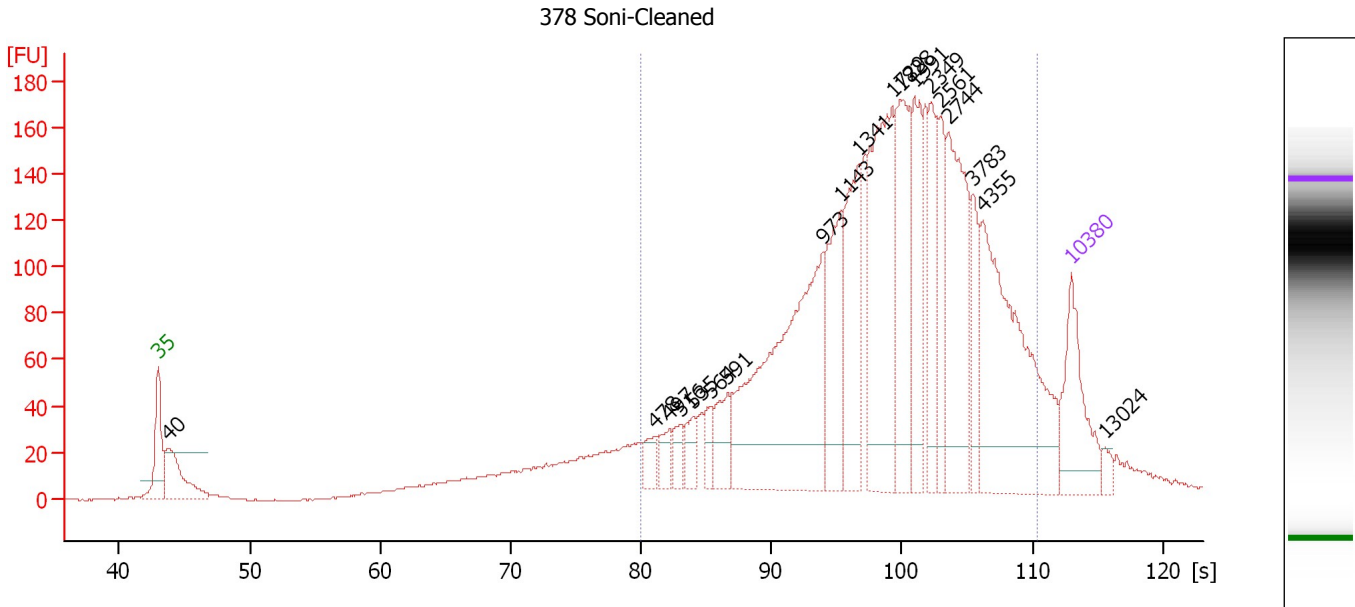
#### Region table for sample 8 : 103 Soni-Cleaned 1:2

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|----------|--------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 59.58    | 108.36 | 970               | 8,838.5           | 2,972.10      | 3,498.5    | 94         | 92.3                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 9 : 378 Soni-Cleaned**

Height Threshold [FU] : 20

**Overall Results for sample 9 : 378 Soni-Cleaned**

Number of peaks found: 19                      Corr. Area 1: 2,966.2  
 Noise: 0.4

**Peak table for sample 9 : 378 Soni-Cleaned**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 40        | 97.25         | 3,705.1           |              |
| 3    | 478       | 23.41         | 74.2              |              |
| 4    | 497       | 20.69         | 63.0              |              |
| 5    | 516       | 19.18         | 56.4              |              |
| 6    | 535       | 22.80         | 64.6              |              |
| 7    | 564       | 18.94         | 50.9              |              |
| 8    | 591       | 40.26         | 103.2             |              |
| 9    | 973       | 318.34        | 495.9             |              |
| 10   | 1,143     | 102.72        | 136.2             |              |
| 11   | 1,341     | 108.11        | 122.2             |              |
| 12   | 1,729     | 199.54        | 174.8             |              |
| 13   | 1,828     | 111.51        | 92.4              |              |
| 14   | 1,991     | 81.97         | 62.4              |              |
| 15   | 2,349     | 59.17         | 38.2              |              |
| 16   | 2,561     | 52.50         | 31.1              |              |
| 17   | 2,744     | 140.95        | 77.8              |              |
| 18   | 3,783     | 46.05         | 18.4              |              |
| 19   | 4,355     | 231.01        | 80.4              |              |
| 20   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 21   | 13,024    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
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**Electropherogram Summary Continued ...**

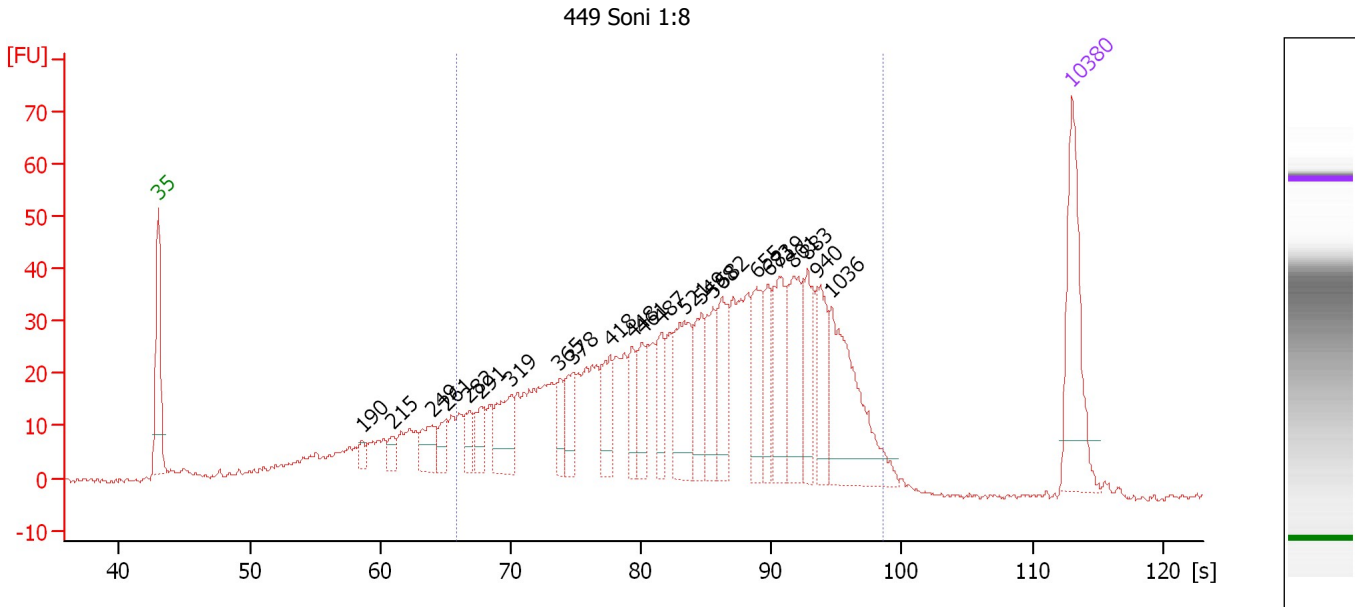
... Region table for sample 9 : 378 Soni-Cleaned

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 79.97    | 110.32 | 2,168             | 2,195.6           | 1,775.85      | 2,966.2    | 83         | 73.9                        | ■     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 449 Soni 1:8**

Number of peaks found: 24      Corr. Area 1: 1,050.8  
 Noise: 0.5

**Peak table for sample 10 : 449 Soni 1:8**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 190       | 9.16          | 73.2              |              |
| 3    | 215       | 11.49         | 80.9              |              |
| 4    | 249       | 28.27         | 171.7             |              |
| 5    | 261       | 17.78         | 103.1             |              |
| 6    | 282       | 16.77         | 90.3              |              |
| 7    | 291       | 24.08         | 125.3             |              |
| 8    | 319       | 47.21         | 224.2             |              |
| 9    | 365       | 21.78         | 90.5              |              |
| 10   | 378       | 32.75         | 131.3             |              |
| 11   | 418       | 40.89         | 148.4             |              |
| 12   | 448       | 28.03         | 94.7              |              |
| 13   | 461       | 28.72         | 94.4              |              |
| 14   | 487       | 30.35         | 94.5              |              |
| 15   | 521       | 73.95         | 214.9             |              |
| 16   | 549       | 42.90         | 118.5             |              |
| 17   | 568       | 38.83         | 103.6             |              |
| 18   | 582       | 47.43         | 123.5             |              |
| 19   | 655       | 49.84         | 115.2             |              |
| 20   | 683       | 33.11         | 73.4              |              |
| 21   | 719       | 56.87         | 119.8             |              |
| 22   | 801       | 69.77         | 131.9             |              |
| 23   | 883       | 35.92         | 61.6              |              |
| 24   | 940       | 42.77         | 68.9              |              |
| 25   | 1,036     | 105.48        | 154.2             |              |
| 26   | 10,380    | 75.00         | 10.9              | Upper Marker |




Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

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**Electropherogram Summary Continued ...**

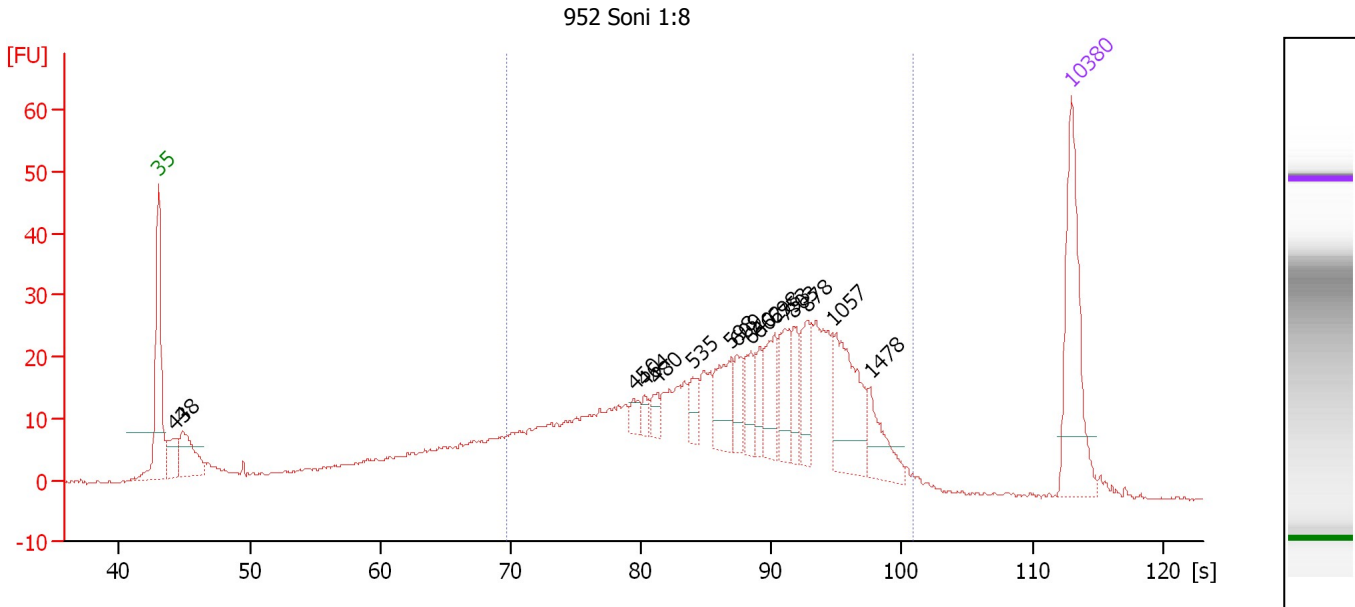
... Region table for sample 10 : 449 Soni 1:8

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area % of Total | Size distribution in CV [%] | Color   |
|----------|--------|-------------------|-------------------|---------------|-----------------------|-----------------------------|---|
| 65.85    | 98.63  | 627               | 4,206.7           | 1,376.55      | 1,050.8 83            | 44.4                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 952 Soni 1:8**

Number of peaks found: 16      Corr. Area 1: 606.3  
 Noise: 0.2

**Peak table for sample 11 : 952 Soni 1:8**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 43        | 31.54         | 1,110.5           |              |
| 3    | 48        | 49.25         | 1,570.1           |              |
| 4    | 450       | 9.13          | 30.7              |              |
| 5    | 464       | 7.03          | 23.0              |              |
| 6    | 480       | 10.39         | 32.8              |              |
| 7    | 535       | 14.32         | 40.6              |              |
| 8    | 598       | 34.85         | 88.3              |              |
| 9    | 609       | 18.01         | 44.8              |              |
| 10   | 640       | 20.22         | 47.9              |              |
| 11   | 662       | 17.52         | 40.1              |              |
| 12   | 698       | 32.66         | 70.9              |              |
| 13   | 753       | 30.38         | 61.1              |              |
| 14   | 803       | 20.63         | 38.9              |              |
| 15   | 878       | 30.37         | 52.4              |              |
| 16   | 1,057     | 64.85         | 93.0              |              |
| 17   | 1,478     | 27.41         | 28.1              |              |
| 18   | 10,380    | 75.00         | 10.9              | Upper Marker |

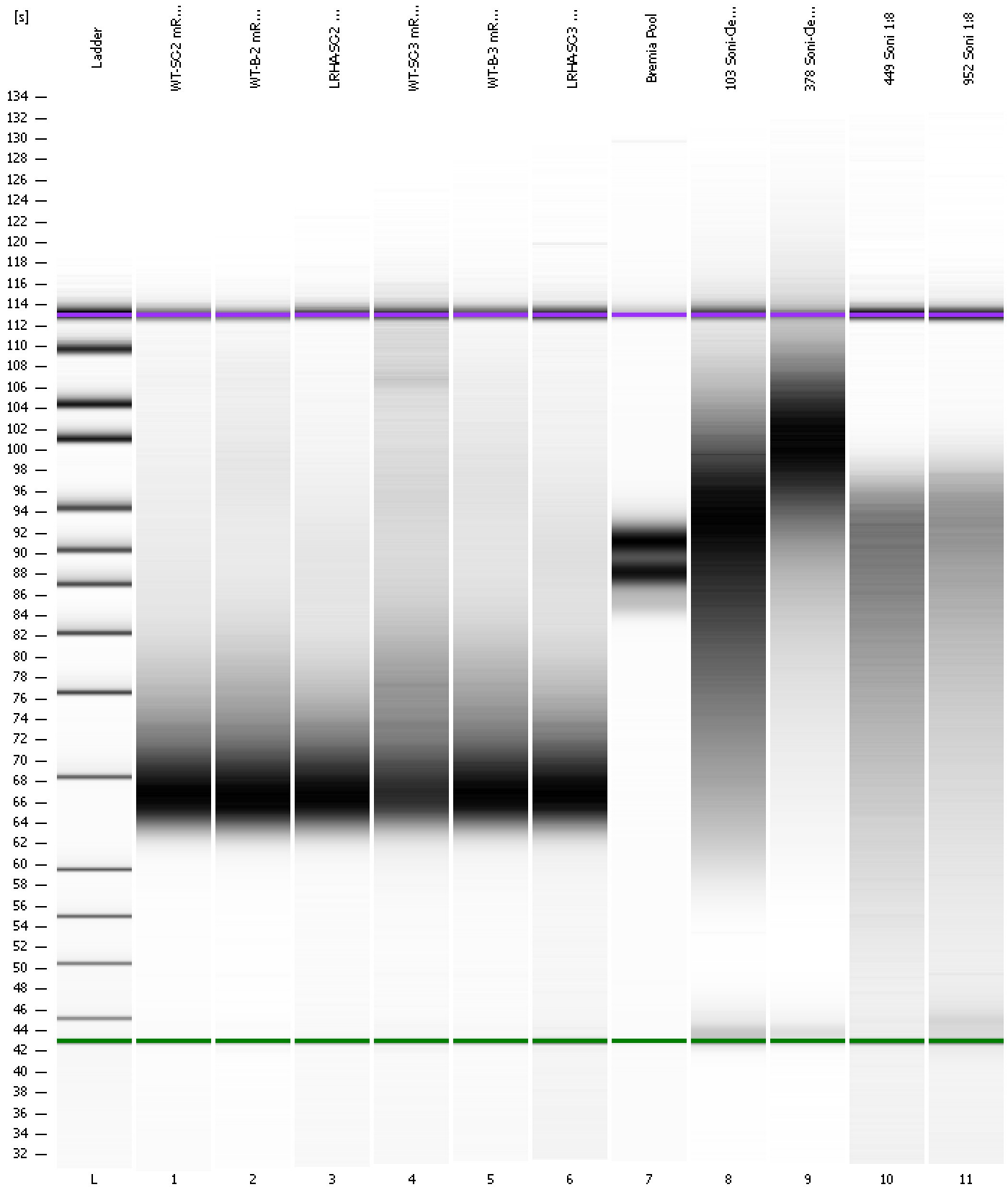
**Region table for sample 11 : 952 Soni 1:8**

| From [s] | To [s] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|----------|--------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 69.66    | 100.89 | 731               | 2,327.5           | 873.73        | 606.3      | 74         | 47.8                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
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**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-01-22\2013-01-22\_003.xad

Created: 1/22/2013 5:16:19 PM  
 Modified: 1/22/2013 6:02:00 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      |              | 1/22/2013 5:57:38 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-01-22\2013-01-22_003.xad) |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 1/22/2013 5:16:25 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |