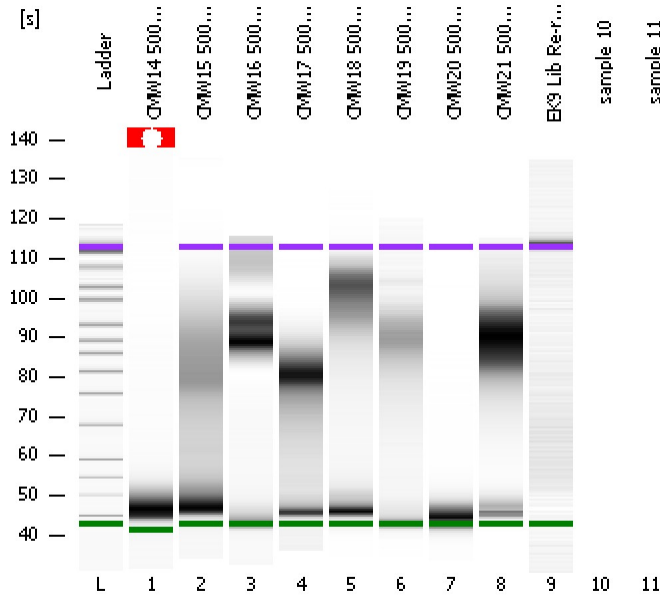


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Electrophoresis File Run Summary



Instrument Information:

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

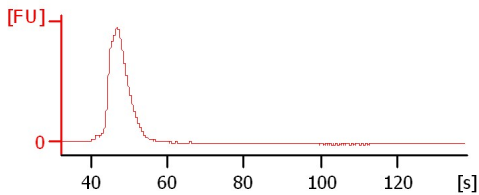
Assay Information:

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

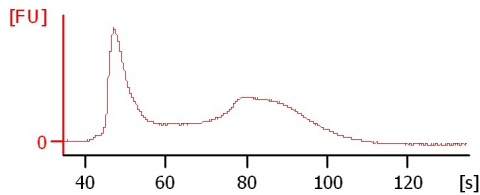
Chip Information:

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

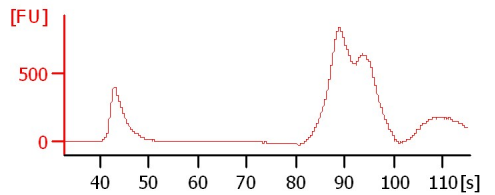
CMW14 500bp Soni



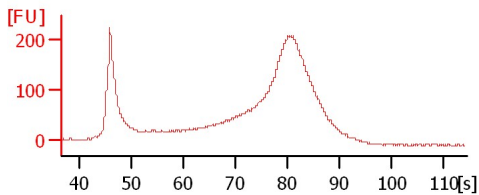
CMW15 500bp Soni



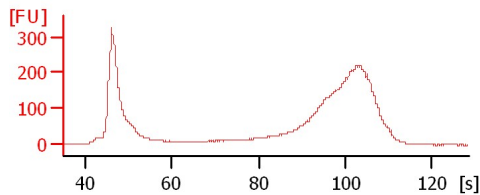
CMW16 500bp Soni



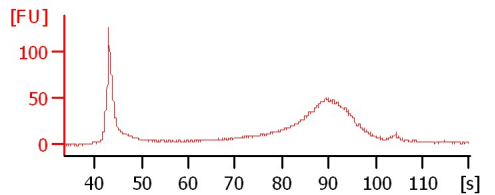
CMW17 500bp Soni



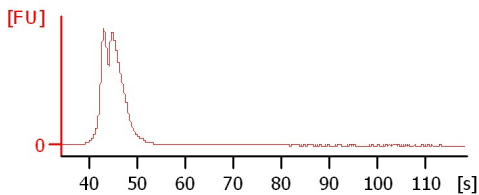
CMW18 500bp Soni



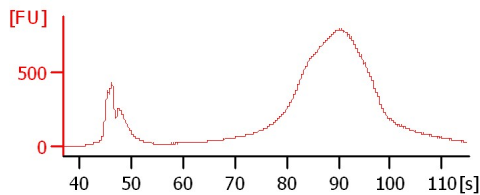
CMW19 500bp Soni



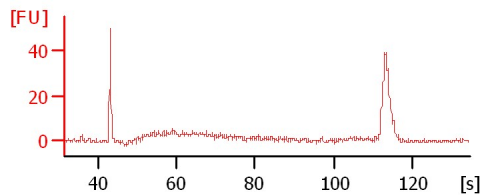
CMW20 500bp Soni



CMW21 500bp Soni



EK9 Lib Re-run (4/4/12)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| CMW14 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW15 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW16 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW17 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW18 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW19 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW20 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| CMW21 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| EK9 Lib Re-run (4/4/12) | | <input type="checkbox"/> | ✓ | | | |
| sample 10 | | <input type="checkbox"/> | | | | |
| sample 11 | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 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

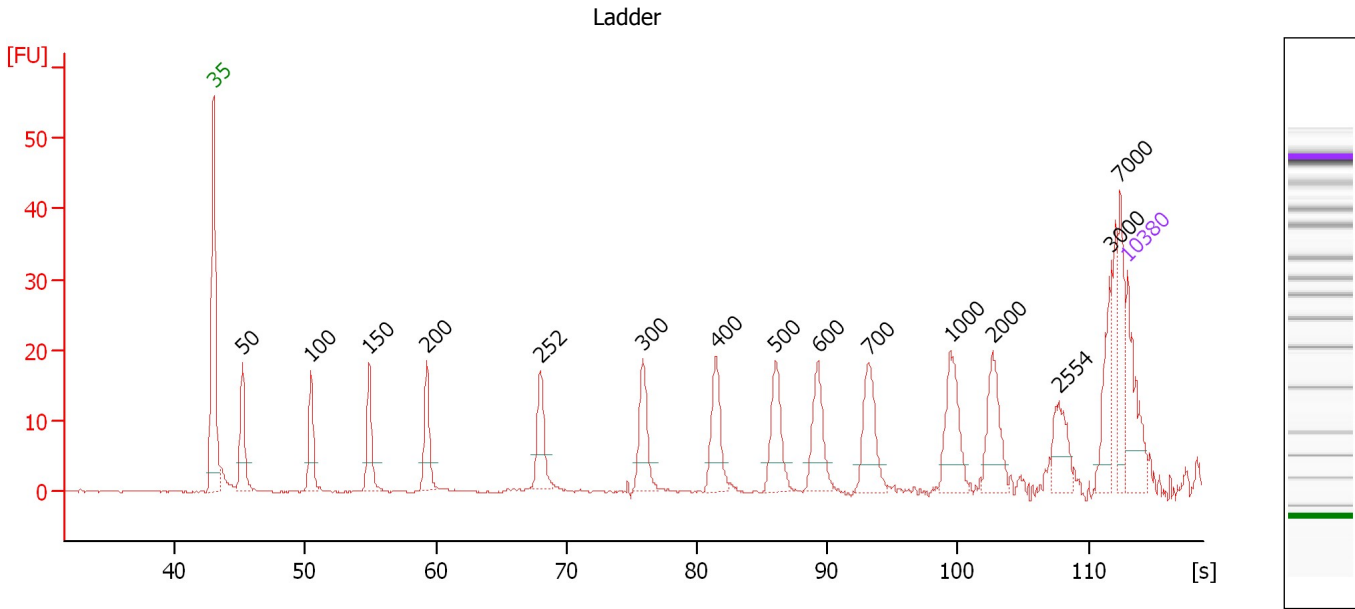
Ladder

| 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\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

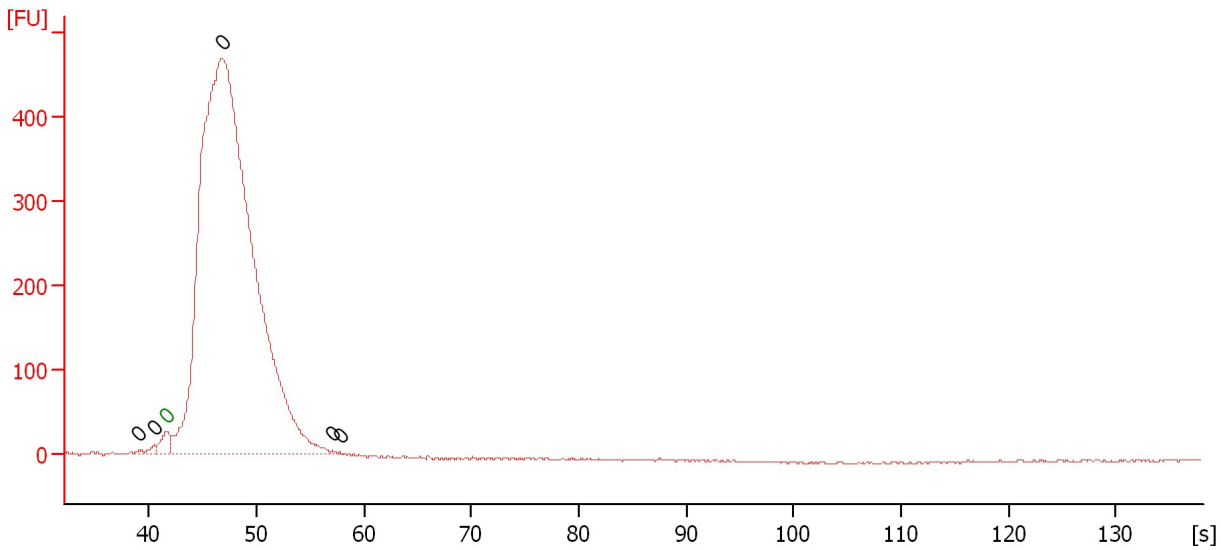
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak |
| 6 | 252 | 0.00 | 0.0 | |
| 7 | 300 | 150.00 | 757.6 | Ladder Peak |
| 8 | 400 | 150.00 | 568.2 | Ladder Peak |
| 9 | 500 | 150.00 | 454.5 | Ladder Peak |
| 10 | 600 | 150.00 | 378.8 | Ladder Peak |
| 11 | 700 | 150.00 | 324.7 | Ladder Peak |
| 12 | 1,000 | 150.00 | 227.3 | Ladder Peak |
| 13 | 2,000 | 150.00 | 113.6 | Ladder Peak |
| 14 | 2,554 | 0.00 | 0.0 | |
| 15 | 3,000 | 150.00 | 75.8 | Ladder Peak |
| 16 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

CMW14 500bp Soni



Setpoint Deviations for sample 1 : CMW14 500bp Soni

Height Threshold [FU] : 0.01

Overall Results for sample 1 : CMW14 500bp Soni

Number of peaks found: 5 Noise: 0.6

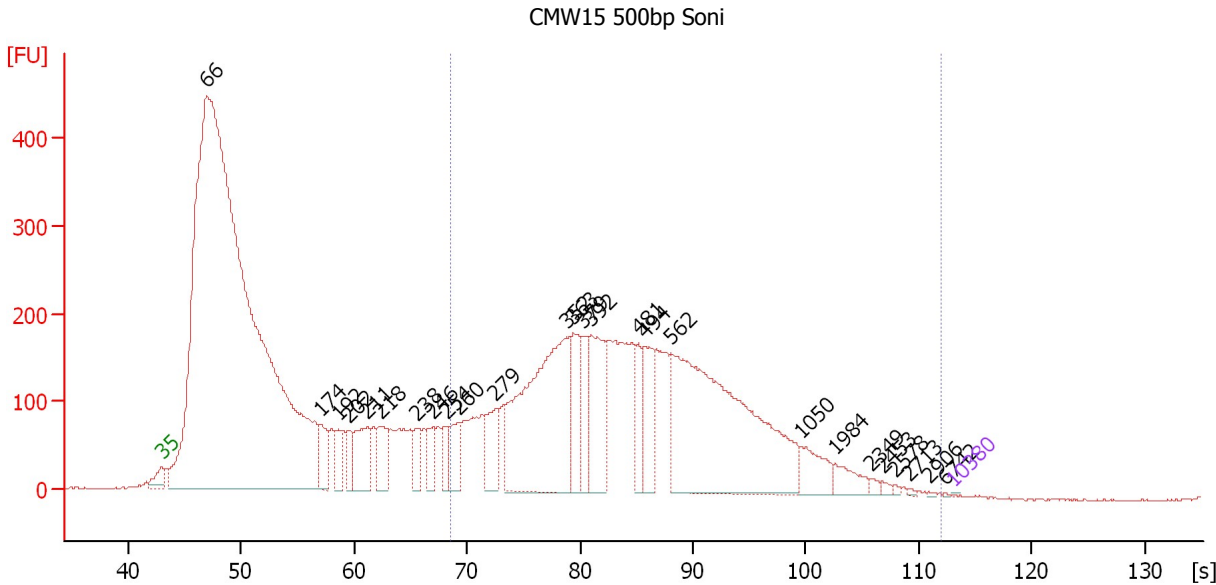
Peak table for sample 1 : CMW14 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 0 | 0.00 | 0.0 | |
| 2 | 0 | 0.00 | 0.0 | |
| 3 | 0 | 0.00 | 0.0 | Lower Marker |
| 4 | 0 | 0.00 | 0.0 | |
| 5 | 0 | 0.00 | 0.0 | |
| 6 | 0 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : CMW15 500bp Soni

Height Threshold [FU] : 0.01

Overall Results for sample 2 : CMW15 500bp Soni

Number of peaks found: 26 Corr. Area 1: 5,330.8
 Noise: 1.2

Peak table for sample 2 : CMW15 500bp Soni


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 66 | 1,326,264.00 | 30,415,506.0 | |
| 3 | 174 | 20,994.86 | 182,382.3 | |
| 4 | 192 | 14,471.79 | 114,378.1 | |
| 5 | 202 | 13,848.46 | 104,069.2 | |
| 6 | 211 | 33,728.77 | 242,097.9 | |
| 7 | 218 | 22,186.95 | 154,425.6 | |
| 8 | 238 | 14,455.37 | 92,113.9 | |
| 9 | 246 | 15,252.71 | 94,128.1 | |
| 10 | 254 | 13,303.55 | 79,498.1 | |
| 11 | 260 | 20,264.82 | 118,155.3 | |
| 12 | 279 | 26,859.96 | 145,671.9 | |
| 13 | 352 | 167,228.92 | 719,916.8 | |
| 14 | 363 | 33,014.00 | 137,797.3 | |
| 15 | 379 | 25,116.90 | 100,369.1 | |
| 16 | 392 | 53,296.11 | 206,045.3 | |
| 17 | 481 | 18,805.37 | 59,272.0 | |
| 18 | 494 | 29,721.00 | 91,110.0 | |
| 19 | 562 | 205,186.69 | 553,001.9 | |
| 20 | 1,050 | 17,303.71 | 24,957.8 | |
| 21 | 1,984 | 9,672.05 | 7,385.0 | |
| 22 | 2,349 | 1,718.53 | 1,108.6 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad


Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : CMW15 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 2,453 | 1,643.64 | 1,015.3 | |
| 24 | 2,578 | 831.89 | 488.9 | |
| 25 | 2,713 | 669.85 | 374.1 | |
| 26 | 2,906 | 376.77 | 196.4 | |
| 27 | 6,742 | 179.60 | 40.4 | |
| 28 |  10,380 | 75.00 | 10.9 | Upper Marker |

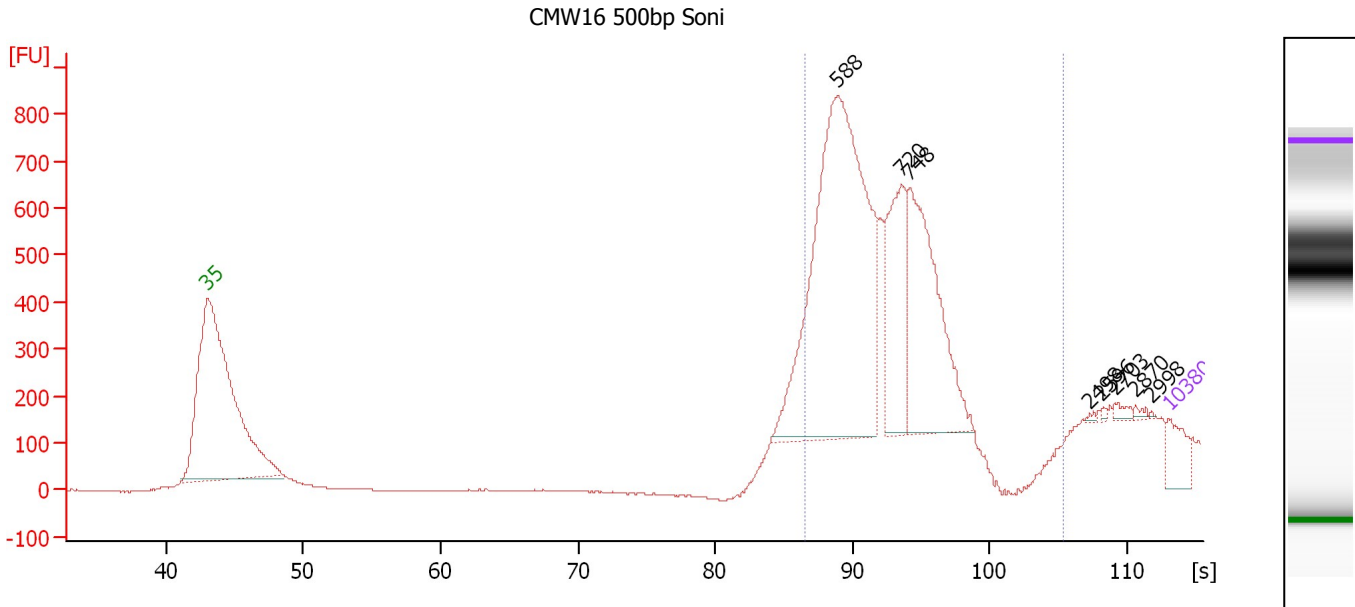
Region table for sample 2 : CMW15 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 255 | 2,862,255.0 | 580 | 788,902.50 | 4,748 | 5,330.8 | 42 | 71.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CMW16 500bp Soni

Number of peaks found: 8 Corr. Area 1: 7,147.0
 Noise: 0.8

Peak table for sample 3 : CMW16 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 588 | 1,766.34 | 4,553.5 | |
| 3 | 720 | 423.23 | 890.5 | |
| 4 | 748 | 685.17 | 1,387.8 | |
| 5 | 2,498 | 4.38 | 2.7 | |
| 6 | 2,596 | 5.34 | 3.1 | |
| 7 | 2,703 | 15.21 | 8.5 | |
| 8 | 2,870 | 7.43 | 3.9 | |
| 9 | 2,998 | 1.74 | 0.9 | |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker |

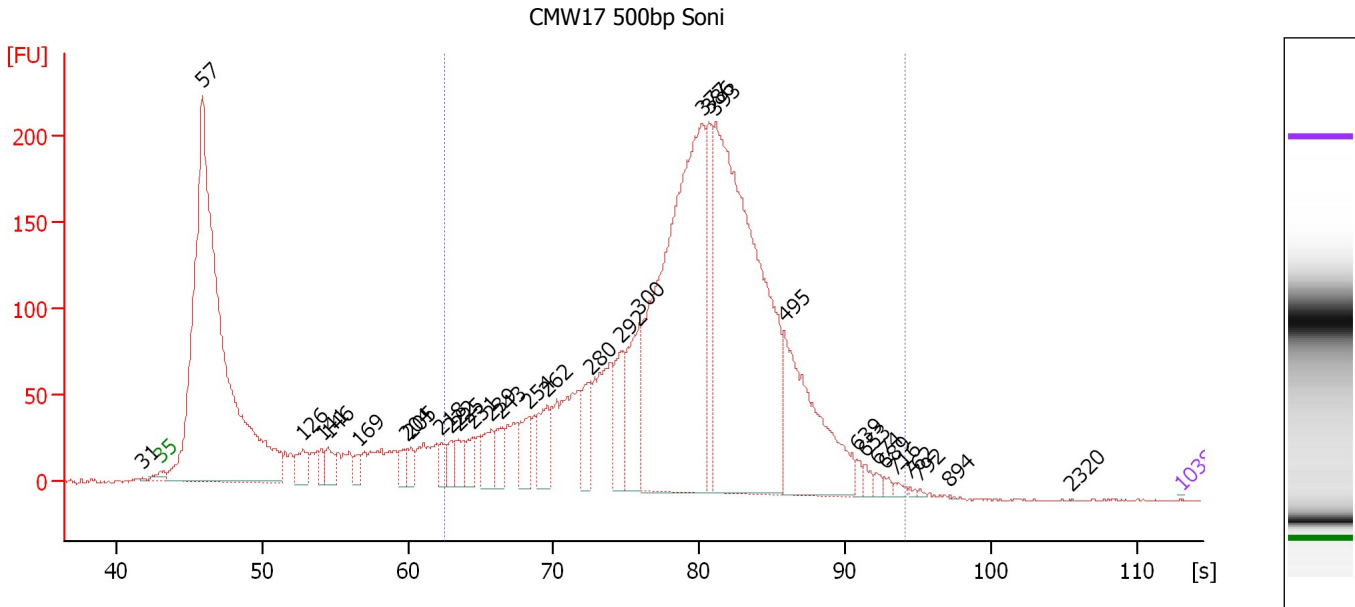
Region table for sample 3 : CMW16 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 513 | 7,155.3 | 675 | 3,102.83 | 2,302 | 7,147.0 | 88 | 16.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : CMW17 500bp Soni

Height Threshold [FU] : 0.1

Overall Results for sample 4 : CMW17 500bp Soni

Number of peaks found: 32 Corr. Area 1: 3,788.1
 Noise: 0.4

Peak table for sample 4 : CMW17 500bp Soni


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 31 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 57 | 950,702.88 | 25,449,182.0 | |
| 4 | 126 | 26,873.31 | 322,447.3 | |
| 5 | 141 | 13,642.82 | 146,959.6 | |
| 6 | 146 | 20,535.71 | 213,717.1 | |
| 7 | 169 | 12,901.24 | 115,415.0 | |
| 8 | 204 | 15,383.81 | 114,405.8 | |
| 9 | 205 | 12,892.86 | 95,154.5 | |
| 10 | 218 | 14,156.41 | 98,507.1 | |
| 11 | 222 | 17,430.83 | 118,984.3 | |
| 12 | 225 | 19,072.70 | 128,265.1 | |
| 13 | 231 | 18,309.50 | 120,284.4 | |
| 14 | 239 | 27,283.52 | 173,229.0 | |
| 15 | 243 | 22,496.82 | 140,481.8 | |
| 16 | 254 | 31,917.59 | 190,580.5 | |
| 17 | 262 | 39,605.16 | 229,059.0 | |
| 18 | 280 | 36,335.41 | 196,946.8 | |
| 19 | 292 | 46,753.68 | 242,428.3 | |
| 20 | 300 | 79,574.15 | 401,909.2 | |
| 21 | 377 | 469,841.63 | 1,888,176.6 | |
| 22 | 386 | 67,224.72 | 264,159.9 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad


Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : CMW17 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 393 | 484,215.59 | 1,867,633.8 | |
| 24 | 495 | 151,079.33 | 462,897.1 | |
| 25 | 639 | 4,898.88 | 11,624.3 | |
| 26 | 653 | 5,881.22 | 13,646.5 | |
| 27 | 674 | 4,356.06 | 9,789.9 | |
| 28 | 689 | 3,303.46 | 7,268.5 | |
| 29 | 716 | 3,782.76 | 8,003.3 | |
| 30 | 762 | 1,211.73 | 2,410.0 | |
| 31 | 792 | 1,101.40 | 2,107.9 | |
| 32 | 894 | 172.70 | 292.8 | |
| 33 | 2,320 | 31.53 | 20.6 | |
| 34 |  10,380 | 75.00 | 10.9 | Upper Marker |

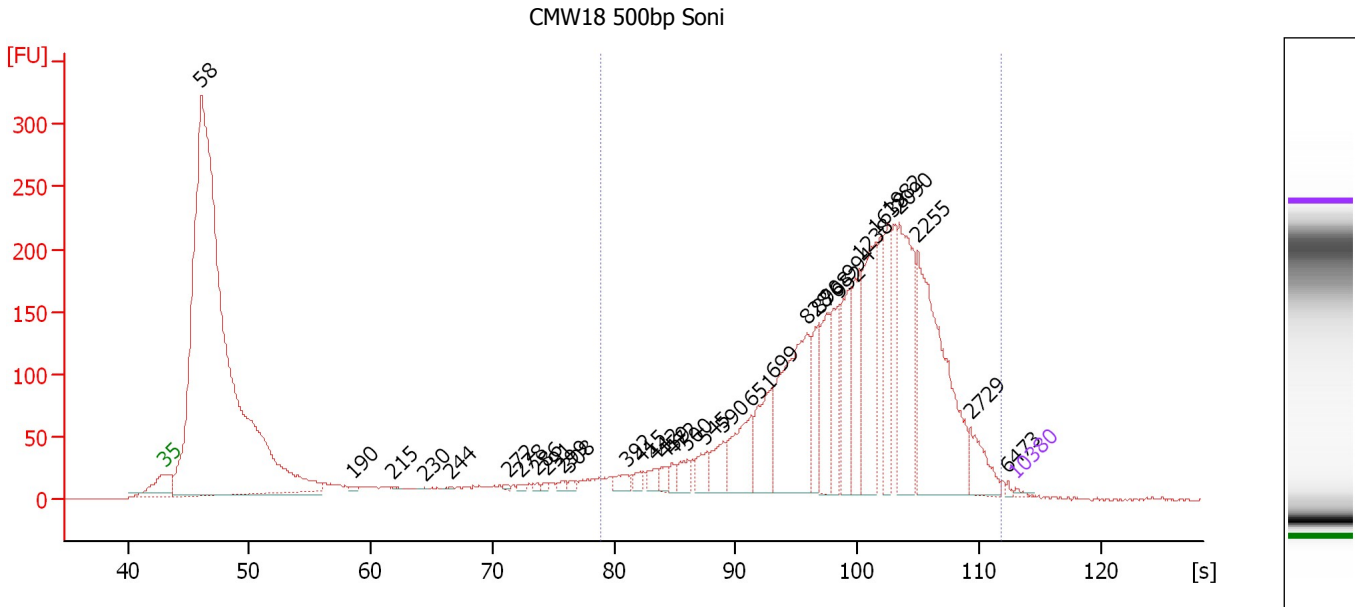
Region table for sample 4 : CMW17 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 220 | 7,806,670.5 | 379 | 1,779,211.00 | 750 | 3,788.1 | 66 | 25.4 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : CMW18 500bp Soni

Height Threshold [FU] : 0.01

Overall Results for sample 5 : CMW18 500bp Soni

Number of peaks found: 33 Corr. Area 1: 3,362.8
 Noise: 0.4

Peak table for sample 5 : CMW18 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 58 | 72,416.32 | 1,894,665.4 | |
| 3 | 190 | 100.39 | 802.2 | |
| 4 | 215 | 22.50 | 158.5 | |
| 5 | 230 | 19.38 | 127.4 | |
| 6 | 244 | 39.71 | 247.1 | |
| 7 | 272 | 75.96 | 423.1 | |
| 8 | 278 | 105.34 | 573.3 | |
| 9 | 286 | 97.73 | 517.0 | |
| 10 | 291 | 127.99 | 666.5 | |
| 11 | 299 | 179.73 | 910.1 | |
| 12 | 308 | 180.02 | 885.9 | |
| 13 | 392 | 461.25 | 1,784.7 | |
| 14 | 415 | 321.12 | 1,172.8 | |
| 15 | 442 | 426.20 | 1,461.2 | |
| 16 | 459 | 337.97 | 1,114.8 | |
| 17 | 472 | 351.90 | 1,129.8 | |
| 18 | 500 | 644.12 | 1,952.0 | |
| 19 | 545 | 803.86 | 2,235.5 | |
| 20 | 590 | 1,100.74 | 2,828.3 | |
| 21 | 651 | 2,382.80 | 5,543.5 | |
| 22 | 699 | 2,619.66 | 5,681.5 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad


Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : CMW18 500bp Soni

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 23 | 828 | 6,409.46 | 11,728.5 | |
| 24 | 876 | 1,626.74 | 2,812.2 | |
| 25 | 908 | 2,155.51 | 3,596.7 | |
| 26 | 952 | 1,859.67 | 2,959.0 | |
| 27 | 994 | 2,300.76 | 3,505.8 | |
| 28 | 1,238 | 2,388.74 | 2,922.6 | |
| 29 | 1,638 | 3,980.21 | 3,682.6 | |
| 30 | 1,982 | 2,215.02 | 1,693.5 | |
| 31 | 2,090 | 4,506.43 | 3,266.4 | |
| 32 | 2,255 | 7,415.21 | 4,982.8 | |
| 33 | 2,729 | 1,223.61 | 679.4 | |
| 34 | 6,473 | 68.33 | 16.0 | |
| 35 | ▶ 10,380 | 75.00 | 10.9 | Upper Marker |

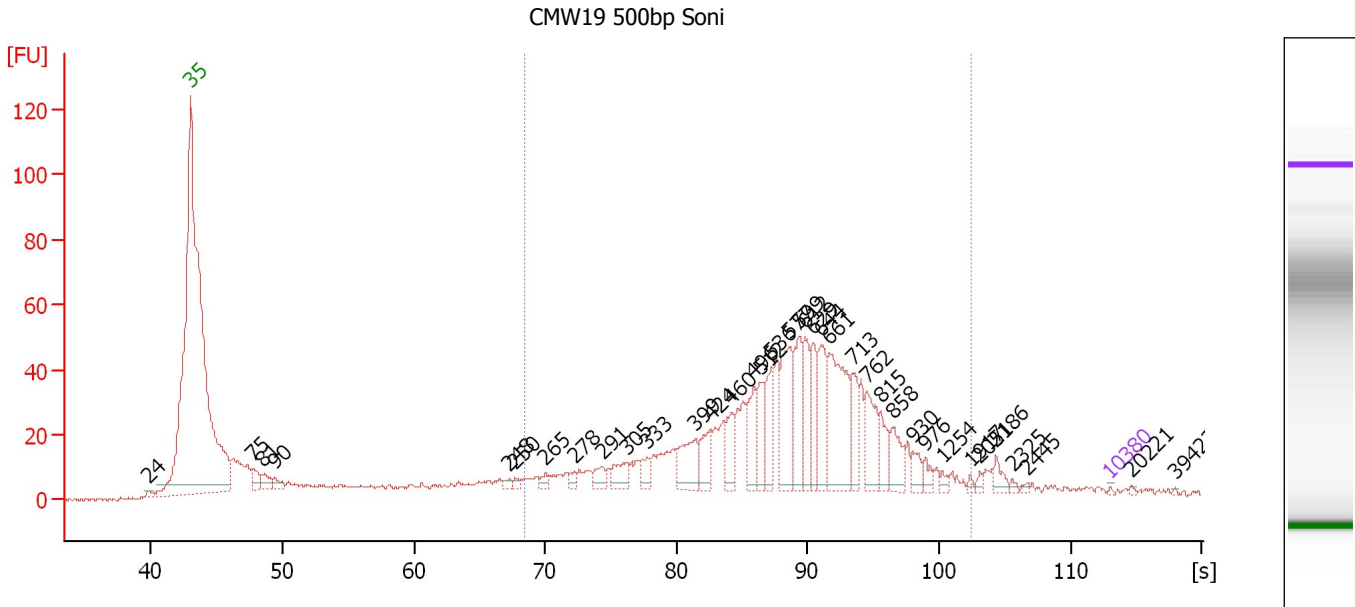
Region table for sample 5 : CMW18 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 355 | 82,385.1 | 1,462 | 53,613.90 | 3,827 | 3,362.8 | 52 | 50.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : CMW19 500bp Soni

Height Threshold [FU] : 2

Overall Results for sample 6 : CMW19 500bp Soni

Number of peaks found: 37 Corr. Area 1: 837.9
 Noise: 0.6

Peak table for sample 6 : CMW19 500bp Soni


| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 24 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 75 | 2,269.56 | 46,136.2 | |
| 4 | 81 | 1,829.36 | 34,140.0 | |
| 5 | 90 | 1,225.60 | 20,589.5 | |
| 6 | 248 | 488.95 | 2,989.9 | |
| 7 | 250 | 501.33 | 3,032.4 | |
| 8 | 265 | 832.87 | 4,770.1 | |
| 9 | 278 | 849.53 | 4,632.2 | |
| 10 | 291 | 1,640.06 | 8,548.1 | |
| 11 | 305 | 2,620.97 | 13,037.1 | |
| 12 | 333 | 1,765.33 | 8,029.5 | |
| 13 | 399 | 5,184.06 | 19,690.5 | |
| 14 | 424 | 3,375.10 | 12,068.4 | |
| 15 | 460 | 3,620.61 | 11,937.0 | |
| 16 | 496 | 4,616.67 | 14,094.7 | |
| 17 | 512 | 3,453.36 | 10,211.6 | |
| 18 | 536 | 4,500.28 | 12,714.1 | |
| 19 | 577 | 7,863.19 | 20,663.3 | |
| 20 | 599 | 5,930.29 | 14,994.8 | |
| 21 | 612 | 4,262.55 | 10,550.0 | |
| 22 | 629 | 4,132.26 | 9,949.6 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad


Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : CMW19 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 644 | 5,657.80 | 13,306.2 | |
| 24 | 661 | 11,741.52 | 26,900.1 | |
| 25 | 713 | 4,022.96 | 8,545.0 | |
| 26 | 762 | 4,983.35 | 9,908.0 | |
| 27 | 815 | 2,817.22 | 5,239.4 | |
| 28 | 858 | 3,056.76 | 5,400.6 | |
| 29 | 930 | 1,478.07 | 2,408.8 | |
| 30 | 976 | 1,010.02 | 1,567.2 | |
| 31 | 1,254 | 516.15 | 623.6 | |
| 32 | 1,917 | 293.94 | 232.3 | |
| 33 | 2,051 | 350.33 | 258.7 | |
| 34 | 2,186 | 1,057.72 | 733.2 | |
| 35 | 2,325 | 247.34 | 161.2 | |
| 36 | 2,445 | 224.82 | 139.3 | |
| 37 |  10,380 | 75.00 | 10.9 | Upper Marker |
| 38 | 20,221 | 0.00 | 0.0 | |
| 39 | 39,422 | 0.00 | 0.0 | |

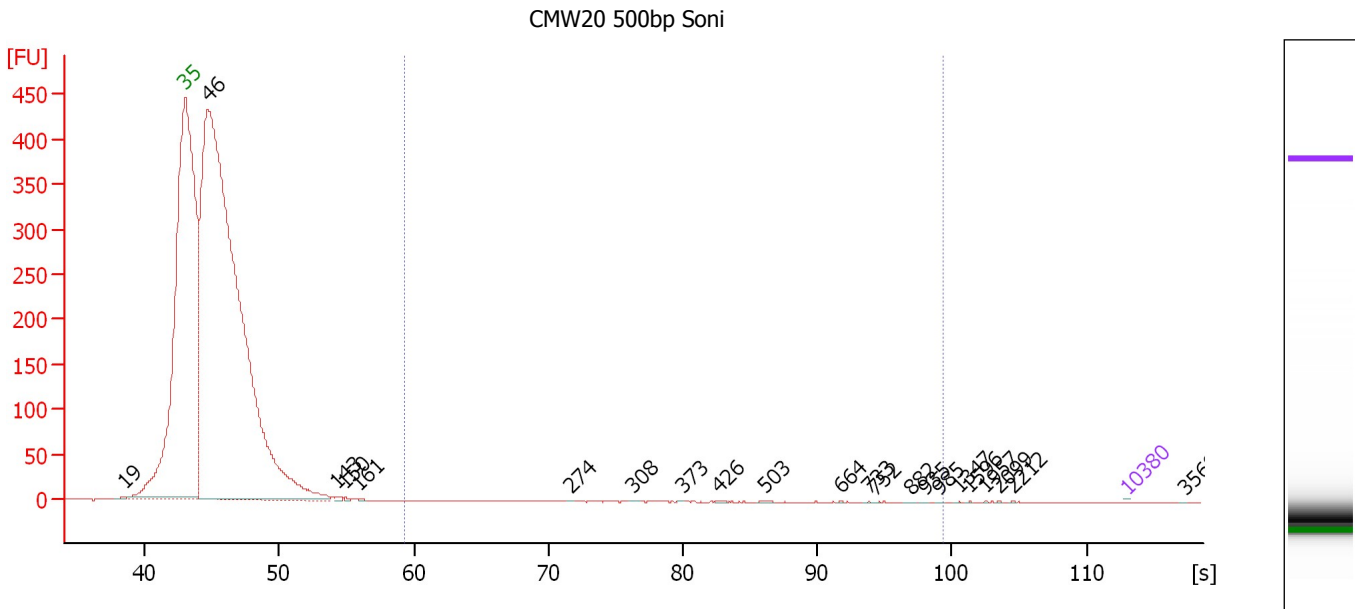
Region table for sample 6 : CMW19 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 255 | 401,383.3 | 589 | 130,461.80 | 1,916 | 837.9 | 78 | 36.0 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : CMW20 500bp Soni

Height Threshold [FU] : 0.1

Overall Results for sample 7 : CMW20 500bp Soni

Number of peaks found: 22 Corr. Area 1: 0.6
 Noise: 0.4


Peak table for sample 7 : CMW20 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 19 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 46 | 2,128,911.00 | 69,626,848.0 | |
| 4 | 143 | 2,142.69 | 22,771.8 | |
| 5 | 150 | 1,502.58 | 15,208.7 | |
| 6 | 161 | 757.03 | 7,123.0 | |
| 7 | 274 | 212.10 | 1,170.9 | |
| 8 | 308 | 236.55 | 1,164.1 | |
| 9 | 373 | 170.86 | 694.3 | |
| 10 | 426 | 466.85 | 1,659.7 | |
| 11 | 503 | 476.01 | 1,433.2 | |
| 12 | 664 | 152.91 | 348.9 | |
| 13 | 733 | 105.48 | 218.0 | |
| 14 | 752 | 123.54 | 248.8 | |
| 15 | 882 | 75.95 | 130.5 | |
| 16 | 935 | 31.35 | 50.8 | |
| 17 | 985 | 84.42 | 129.9 | |
| 18 | 1,347 | 89.93 | 101.1 | |
| 19 | 1,596 | 90.50 | 85.9 | |
| 20 | 1,957 | 181.82 | 140.8 | |
| 21 | 2,099 | 143.37 | 103.5 | |
| 22 | 2,212 | 143.06 | 98.0 | |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...**... Peak table for sample 7 : CMW20 500bp Soni**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 |  10,380 | 75.00 | 10.9 | Upper Marker |
| 24 | 35,696 | 0.00 | 0.0 | |

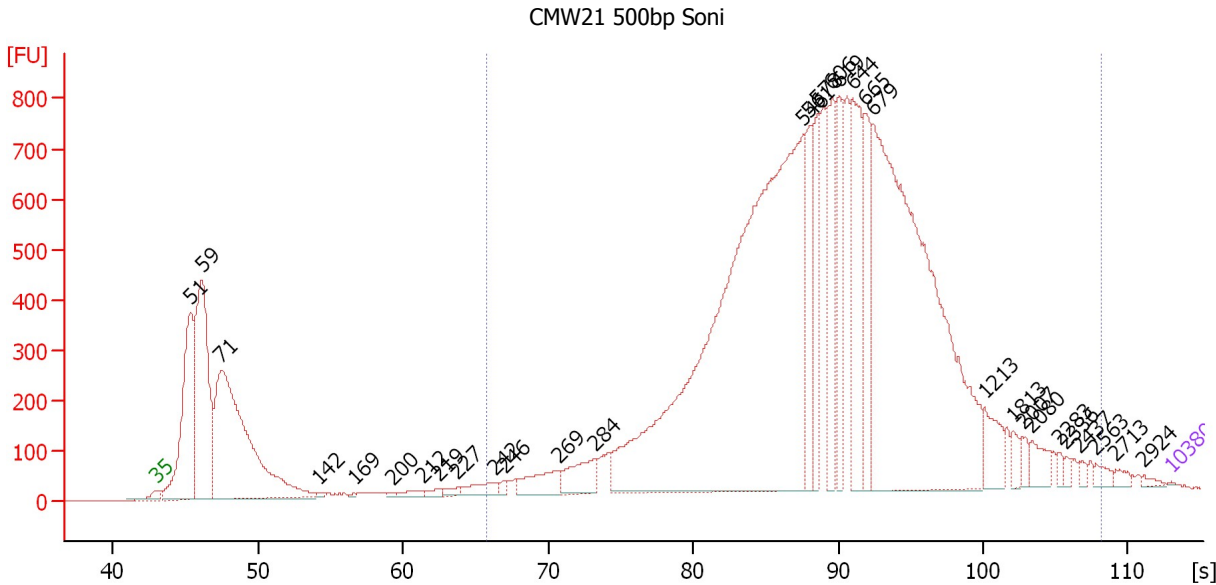
Region table for sample 7 : CMW20 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 200 | 652.0 | 488 | 202.35 | 1,000 | 0.6 | 0 | 17.8 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 8 : CMW21 500bp Soni

Height Threshold [FU] : 0.1

Overall Results for sample 8 : CMW21 500bp Soni

Number of peaks found: 31 Corr. Area 1: 16,936.3
 Noise: 0.6

Peak table for sample 8 : CMW21 500bp Soni


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 51 | 45,513.45 | 1,350,135.4 | |
| 3 | 59 | 57,928.93 | 1,499,810.0 | |
| 4 | 71 | 86,744.77 | 1,843,749.4 | |
| 5 | 142 | 438.55 | 4,674.9 | |
| 6 | 169 | 364.43 | 3,268.7 | |
| 7 | 200 | 449.09 | 3,401.6 | |
| 8 | 212 | 1,391.29 | 9,949.3 | |
| 9 | 219 | 1,072.27 | 7,425.1 | |
| 10 | 227 | 1,371.63 | 9,170.4 | |
| 11 | 242 | 3,696.32 | 23,117.0 | |
| 12 | 246 | 913.53 | 5,620.0 | |
| 13 | 269 | 7,347.87 | 41,409.0 | |
| 14 | 284 | 8,061.65 | 43,001.2 | |
| 15 | 546 | 181,699.66 | 504,220.4 | |
| 16 | 561 | 13,010.14 | 35,149.4 | |
| 17 | 578 | 13,054.73 | 34,226.4 | |
| 18 | 606 | 16,260.86 | 40,628.4 | |
| 19 | 619 | 14,347.36 | 35,118.5 | |
| 20 | 644 | 25,113.31 | 59,068.2 | |
| 21 | 665 | 14,602.66 | 33,247.0 | |
| 22 | 679 | 120,616.61 | 269,134.3 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad


Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...

... Peak table for sample 8 : CMW21 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 1,213 | 5,630.57 | 7,033.0 | |
| 24 | 1,813 | 1,792.09 | 1,497.4 | |
| 25 | 2,007 | 1,491.19 | 1,125.5 | |
| 26 | 2,080 | 3,020.90 | 2,200.0 | |
| 27 | 2,283 | 754.94 | 501.0 | |
| 28 | 2,336 | 671.61 | 435.6 | |
| 29 | 2,437 | 726.63 | 451.7 | |
| 30 | 2,563 | 1,152.60 | 681.3 | |
| 31 | 2,713 | 830.51 | 463.8 | |
| 32 | 2,924 | 501.87 | 260.0 | |
| 33 |  10,380 | 75.00 | 10.9 | Upper Marker |

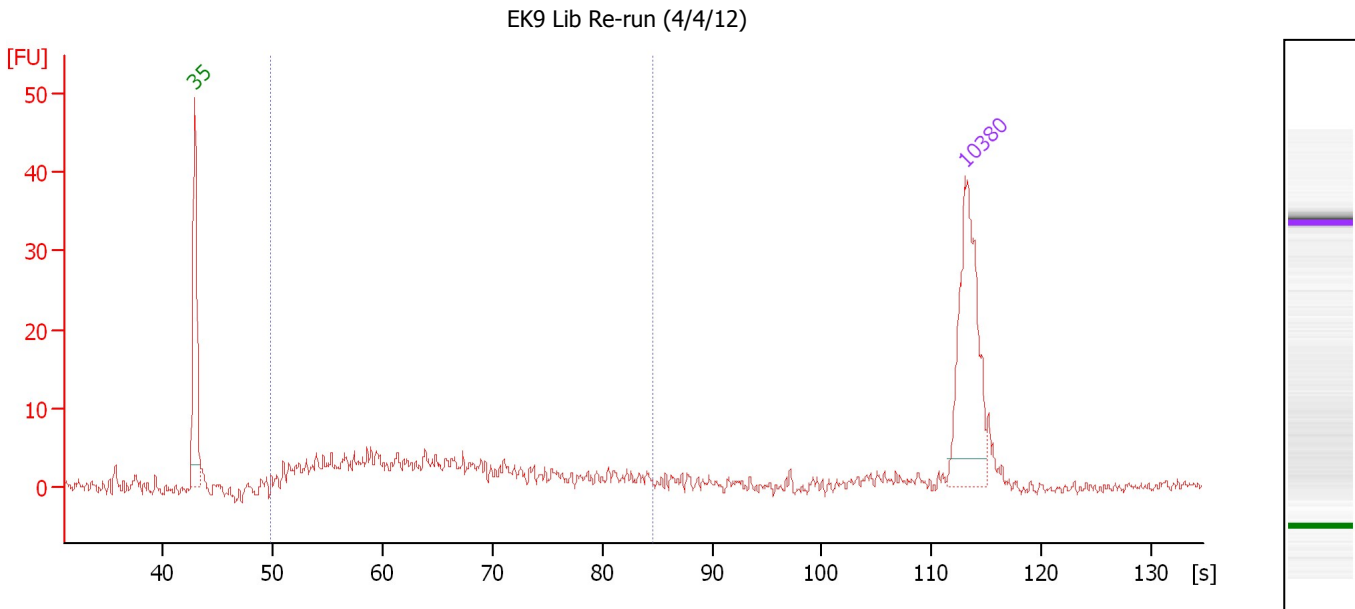
Region table for sample 8 : CMW21 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 239 | 1,399,629.6 | 665 | 486,006.88 | 2,598 | 16,936.3 | 78 | 54.5 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 9 : EK9 Lib Re-run (4/4/12)

Height Threshold [FU] : 10

Overall Results for sample 9 : EK9 Lib Re-run (4/4/12)

Number of peaks found: 0 Corr. Area 1: 113.0
 Noise: 0.9

Peak table for sample 9 : EK9 Lib Re-run (4/4/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker |

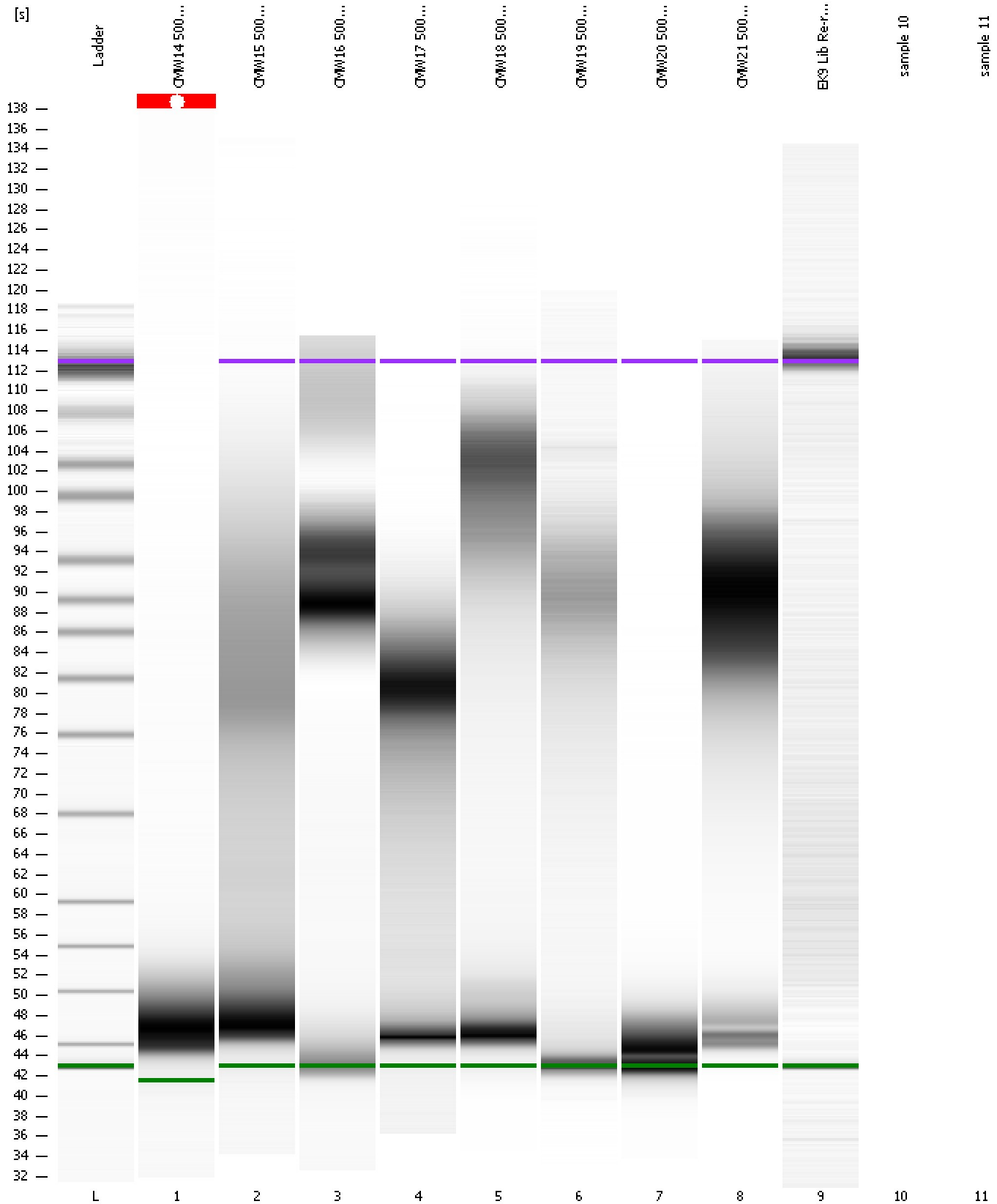
Region table for sample 9 : EK9 Lib Re-run (4/4/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 95 | 1,701.1 | 232 | 222.40 | 469 | 113.0 | 80 | 32.8 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
Modified: 4/6/2012 10:43:04 AM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad

Created: 4/6/2012 10:04:52 AM
 Modified: 4/6/2012 10:43:04 AM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|--------|------------|----------|--------------|----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 10) | | Instrument | Run | | 4/6/2012 10:40:28 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-06\2012-04-06_002.xad) | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 4/6/2012 10:04:58 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |