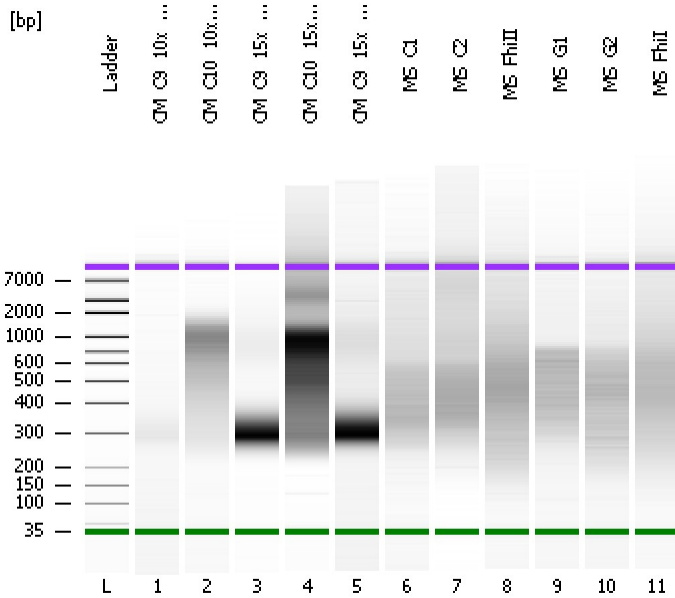


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
Modified: 4/19/2012 2:52:35 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

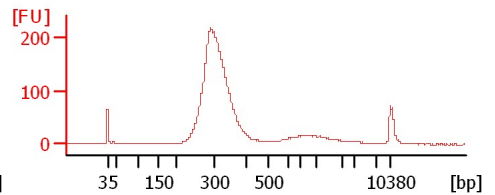
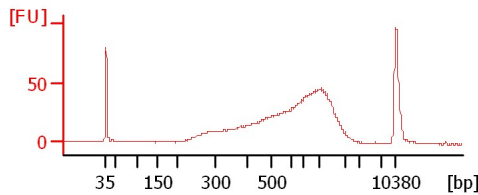
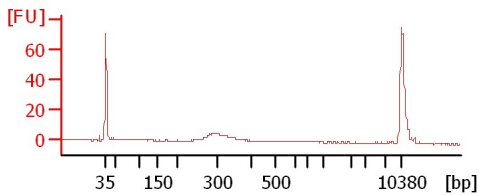
Chip Information:

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

CM_C9_10x_1in5dil

CM_C10_10x_1in5dil

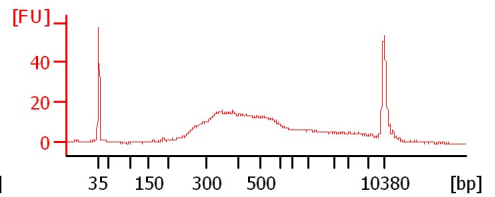
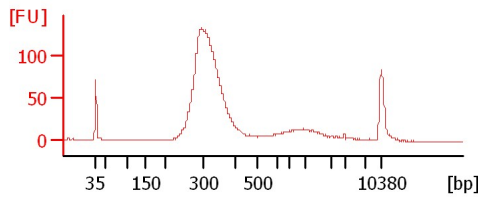
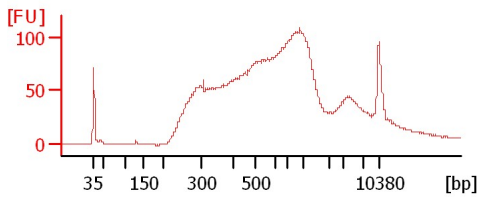
CM_C9_15x_1in5dil



CM_C10_15x_1in5dil

CM_C9_15x_srpix2_1in5

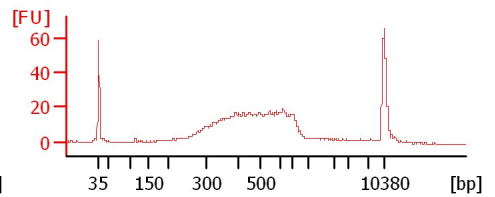
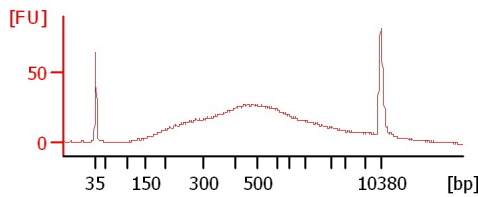
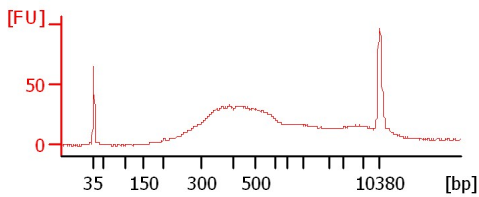
MS_C1



MS_C2

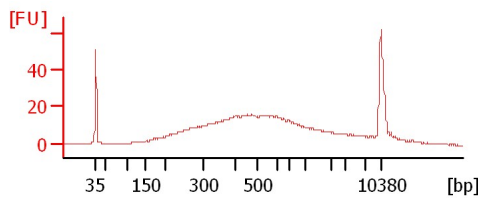
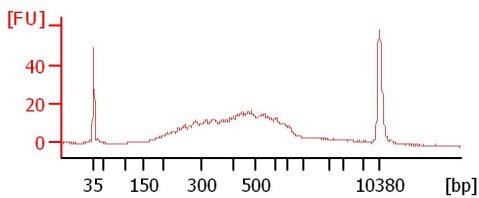
MS_FhiII

MS_G1



MS_G2

MS_FhiII



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
Modified: 4/19/2012 2:52:35 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-----------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| CM_C9_10x_1in5dil | | <input type="checkbox"/> | ✓ | | | |
| CM_C10_10x_1in5dil | | <input type="checkbox"/> | ✓ | | | |
| CM_C9_15x_1in5dil | | <input type="checkbox"/> | ✓ | | | |
| CM_C10_15x_1in5dil | | <input type="checkbox"/> | ✓ | | | |
| CM_C9_15x_srpix2_1in5 | | <input type="checkbox"/> | ✓ | | | |
| MS_C1 | | <input type="checkbox"/> | ✓ | | | |
| MS_C2 | | <input type="checkbox"/> | ✓ | | | |
| MS_FhiII | | <input type="checkbox"/> | ✓ | | | |
| MS_G1 | | <input type="checkbox"/> | ✓ | | | |
| MS_G2 | | <input type="checkbox"/> | ✓ | | | |
| MS_FhiI | | <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\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 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/ μ l] : 1950
 Uses Standard Area for Ladder Fragments
 Lower Marker Concentration [pg/ μ l] : 125
 Upper Marker Concentration [pg/ μ l] : 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

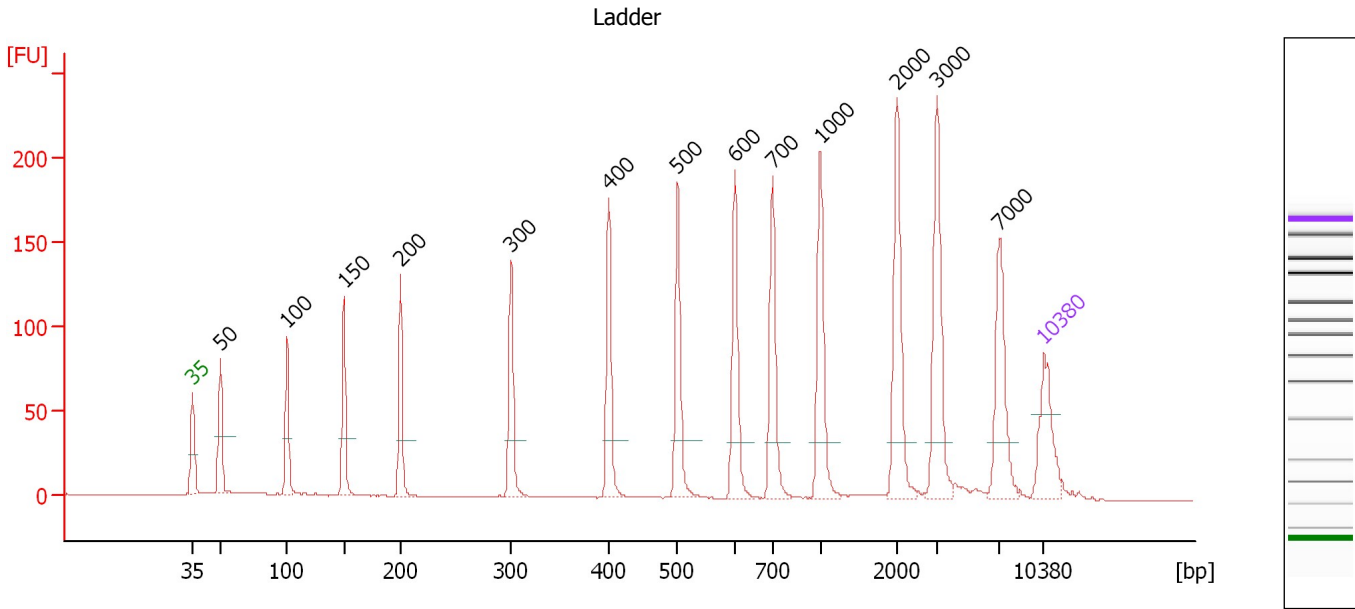
Ladder

| 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\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

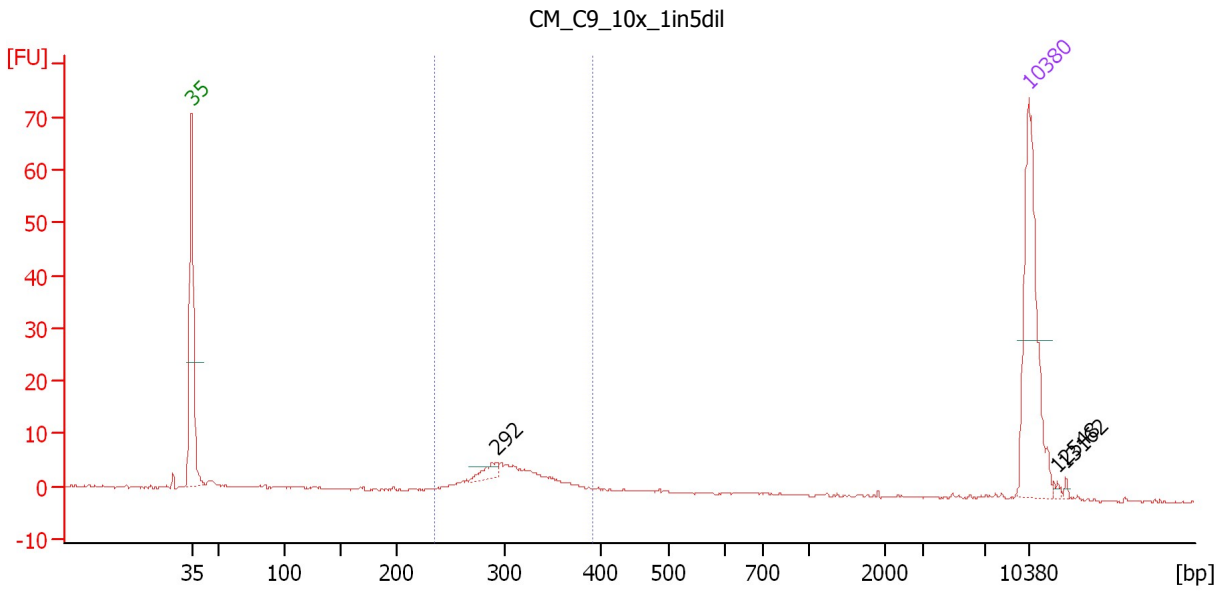
Peak table for Ladder

| 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\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 1 : CM C9 10x 1in5dil

Height Threshold [FU] : 2

Overall Results for sample 1 : CM C9 10x 1in5dil

Number of peaks found: 3 Corr. Area 1: 59.7
 Noise: 0.2

Peak table for sample 1 : CM C9 10x 1in5dil

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 292 | 9.42 | 48.9 | |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 4 | 12,548 | 0.00 | 0.0 | |
| 5 | 13,162 | 0.00 | 0.0 | |

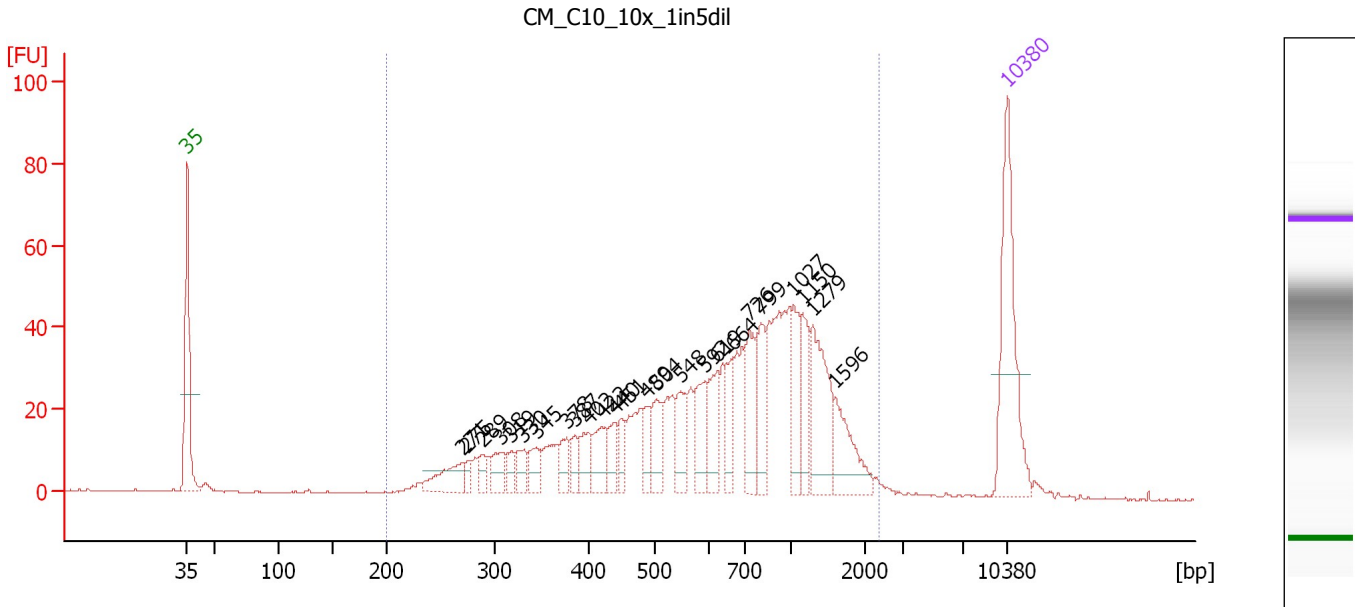
Region table for sample 1 : CM C9 10x 1in5dil

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 235 | 405.7 | 310 | 81.82 | 392 | 59.7 | 56 | 11.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CM C10 10x 1in5dil

Number of peaks found: 25 Corr. Area 1: 990.4
 Noise: 0.2

Peak table for sample 2 : CM C10 10x 1in5dil

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 271 | 29.75 | 166.5 | |
| 3 | 275 | 7.80 | 43.0 | |
| 4 | 289 | 10.60 | 55.6 | |
| 5 | 308 | 17.66 | 86.8 | |
| 6 | 319 | 8.83 | 42.0 | |
| 7 | 330 | 14.44 | 66.2 | |
| 8 | 345 | 17.48 | 76.9 | |
| 9 | 378 | 15.63 | 62.7 | |
| 10 | 387 | 12.95 | 50.8 | |
| 11 | 402 | 19.82 | 74.7 | |
| 12 | 422 | 23.64 | 84.9 | |
| 13 | 440 | 18.60 | 64.0 | |
| 14 | 451 | 13.86 | 46.6 | |
| 15 | 489 | 14.87 | 46.1 | |
| 16 | 504 | 26.08 | 78.4 | |
| 17 | 548 | 25.61 | 70.8 | |
| 18 | 592 | 28.59 | 73.1 | |
| 19 | 619 | 31.91 | 78.1 | |
| 20 | 664 | 22.56 | 51.5 | |
| 21 | 726 | 38.53 | 80.4 | |
| 22 | 799 | 33.80 | 64.1 | |
| 23 | 1,027 | 27.98 | 41.3 | |
| 24 | 1,150 | 25.85 | 34.1 | |
| 25 | 1,279 | 55.06 | 65.2 | |
| 26 | 1,596 | 33.82 | 32.1 | |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...**... Peak table for sample 2 : CM C10 10x 1in5dil**

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

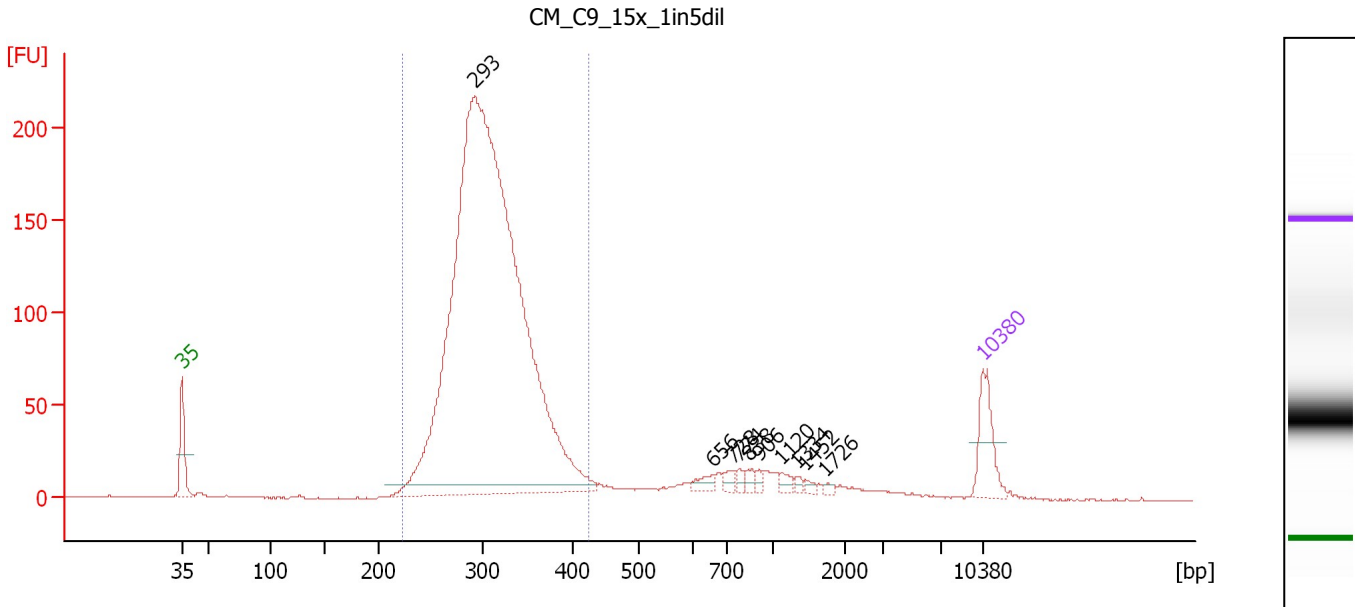
Region table for sample 2 : CM C10 10x 1in5dil

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 200 | 2,468.7 | 770 | 876.68 | 2,370 | 990.4 | 98 | 53.2 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CM C9 15x 1in5dil

Number of peaks found: 10 Corr. Area 1: 2,223.7
 Noise: 0.2

Peak table for sample 3 : CM C9 15x 1in5dil

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 293 | 3,024.86 | 15,620.2 | |
| 3 | 656 | 19.64 | 45.4 | |
| 4 | 728 | 14.39 | 29.9 | |
| 5 | 774 | 11.11 | 21.7 | |
| 6 | 838 | 12.59 | 22.8 | |
| 7 | 906 | 8.24 | 13.8 | |
| 8 | 1,120 | 13.35 | 18.0 | |
| 9 | 1,334 | 6.55 | 7.4 | |
| 10 | 1,452 | 7.27 | 7.6 | |
| 11 | 1,726 | 5.56 | 4.9 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

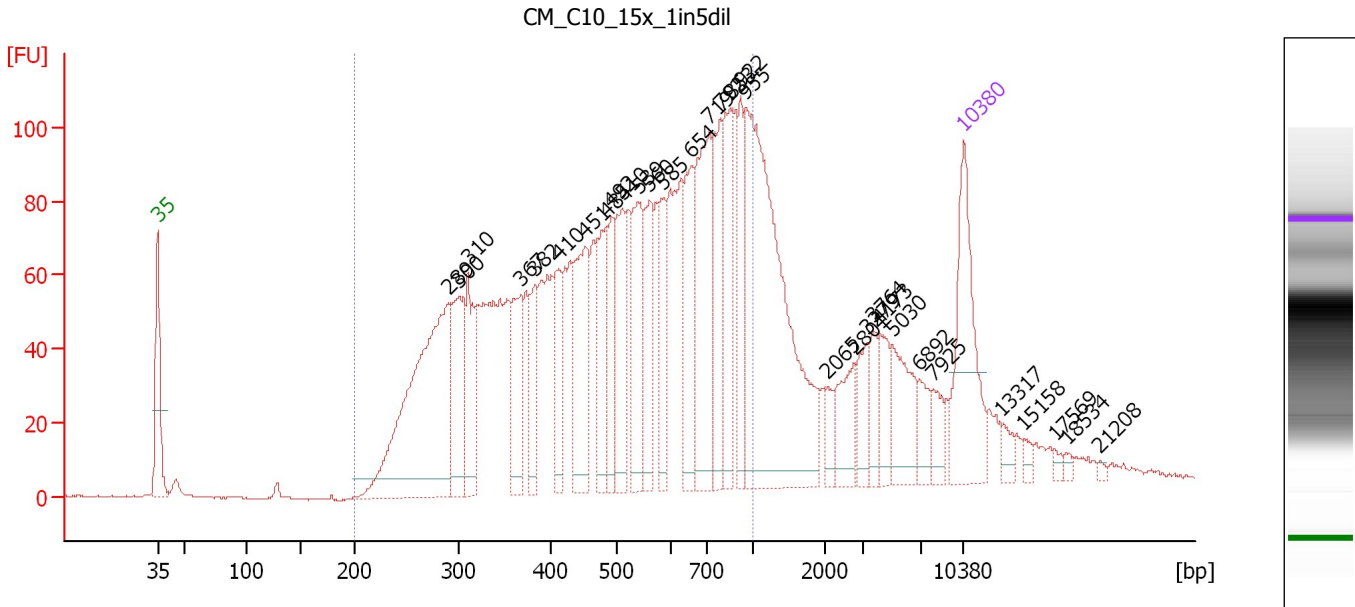
Region table for sample 3 : CM C9 15x 1in5dil

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 225 | 14,746.1 | 310 | 2,974.14 | 424 | 2,223.7 | 88 | 11.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CM C10 15x 1in5dil

Number of peaks found: 32 Corr. Area 1: 2,584.0
 Noise: 0.2

Peak table for sample 4 : CM C10 15x 1in5dil

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 289 | 260.74 | 1,364.7 | |
| 3 | 300 | 76.25 | 385.1 | |
| 4 | 310 | 61.97 | 303.3 | |
| 5 | 367 | 59.64 | 246.4 | |
| 6 | 382 | 35.42 | 140.4 | |
| 7 | 410 | 42.39 | 156.6 | |
| 8 | 451 | 88.15 | 296.4 | |
| 9 | 484 | 56.15 | 175.6 | |
| 10 | 492 | 42.09 | 129.6 | |
| 11 | 510 | 64.94 | 193.0 | |
| 12 | 539 | 66.80 | 187.8 | |
| 13 | 560 | 55.65 | 150.5 | |
| 14 | 585 | 39.46 | 102.1 | |
| 15 | 654 | 65.33 | 151.4 | |
| 16 | 719 | 111.28 | 234.5 | |
| 17 | 792 | 66.91 | 128.1 | |
| 18 | 853 | 67.24 | 119.4 | |
| 19 | 922 | 44.81 | 73.6 | |
| 20 | 955 | 270.44 | 429.1 | |
| 21 | 2,065 | 11.98 | 8.8 | |
| 22 | 2,801 | 29.82 | 16.1 | |
| 23 | 3,279 | 20.68 | 9.6 | |
| 24 | 3,764 | 17.79 | 7.2 | |
| 25 | 4,173 | 21.35 | 7.7 | |
| 26 | 5,030 | 38.62 | 11.6 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad


Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : CM_C10_15x_1in5dil

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 6,892 | 15.75 | 3.5 | |
| 28 | 7,925 | 14.99 | 2.9 | |
| 29 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 30 | 13,317 | 0.00 | 0.0 | |
| 31 | 15,158 | 0.00 | 0.0 | |
| 32 | 17,569 | 0.00 | 0.0 | |
| 33 | 18,534 | 0.00 | 0.0 | |
| 34 | 21,208 | 0.00 | 0.0 | |

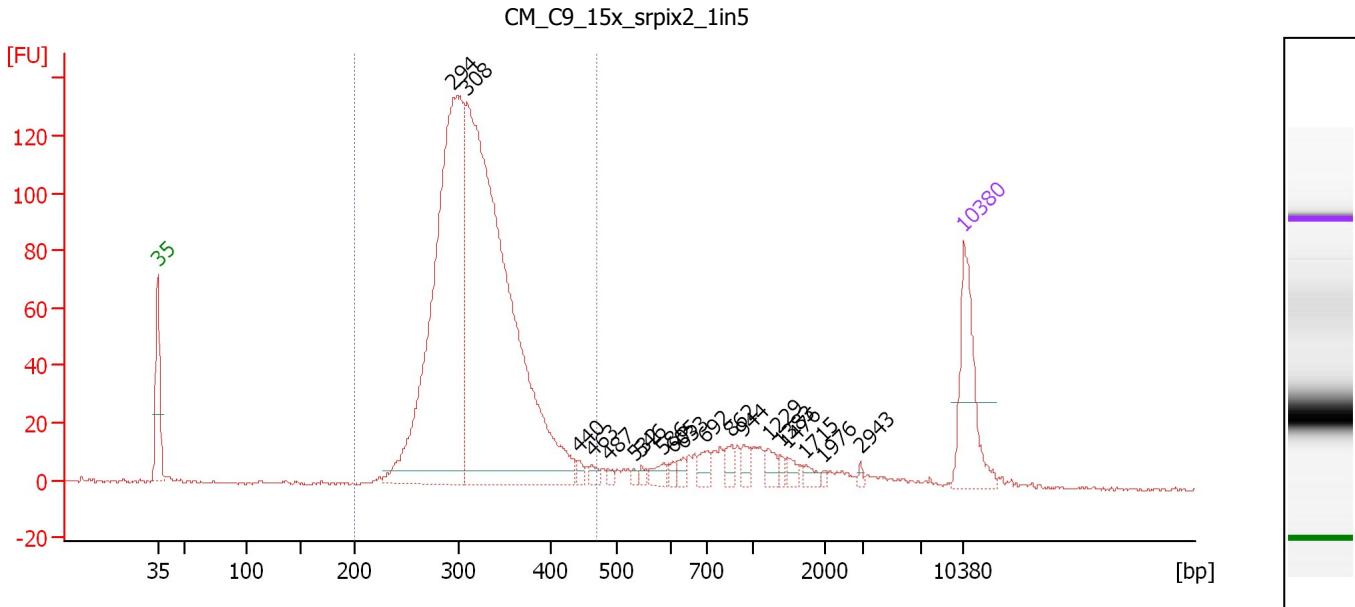
Region table for sample 4 : CM_C10_15x_1in5dil

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 200 | 6,711.7 | 530 | 1,912.47 | 1,000 | 2,584.0 | 77 | 37.3 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CM C9 15x srpx2 1in5

Number of peaks found: 19 Corr. Area 1: 1,473.1
 Noise: 0.6

Peak table for sample 5 : CM C9 15x srpx2 1in5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 294 | 686.38 | 3,531.3 | |
| 3 | 308 | 916.41 | 4,503.4 | |
| 4 | 440 | 6.93 | 23.9 | |
| 5 | 463 | 7.82 | 25.6 | |
| 6 | 487 | 4.73 | 14.7 | |
| 7 | 532 | 3.92 | 11.2 | |
| 8 | 546 | 4.47 | 12.4 | |
| 9 | 586 | 10.90 | 28.2 | |
| 10 | 605 | 5.59 | 14.0 | |
| 11 | 633 | 7.85 | 18.8 | |
| 12 | 692 | 13.51 | 29.6 | |
| 13 | 862 | 11.90 | 20.9 | |
| 14 | 944 | 11.53 | 18.5 | |
| 15 | 1,229 | 11.17 | 13.8 | |
| 16 | 1,383 | 5.44 | 6.0 | |
| 17 | 1,476 | 7.47 | 7.7 | |
| 18 | 1,715 | 6.69 | 5.9 | |
| 19 | 1,976 | 2.58 | 2.0 | |
| 20 | 2,943 | 2.45 | 1.3 | |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker |

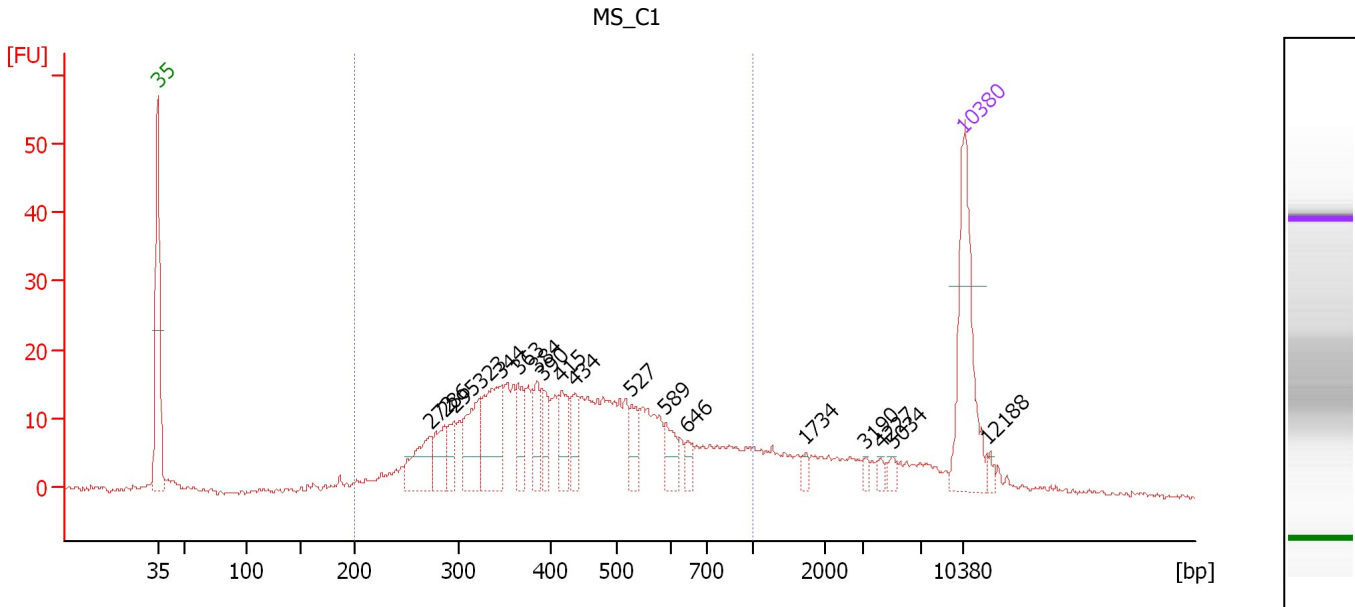
Region table for sample 5 : CM C9 15x srpx2 1in5

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 7,599.5 | 320 | 1,574.78 | 468 | 1,473.0 | 84 | 12.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : MS_C1

Number of peaks found: 18 Corr. Area 1: 441.8
 Noise: 0.5

Peak table for sample 6 : MS_C1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 272 | 42.02 | 234.0 | |
| 3 | 286 | 28.71 | 152.0 | |
| 4 | 295 | 18.44 | 94.8 | |
| 5 | 323 | 49.69 | 233.1 | |
| 6 | 344 | 66.68 | 293.8 | |
| 7 | 363 | 25.92 | 108.0 | |
| 8 | 384 | 25.05 | 98.9 | |
| 9 | 390 | 20.06 | 77.9 | |
| 10 | 415 | 24.99 | 91.2 | |
| 11 | 434 | 18.66 | 65.1 | |
| 12 | 527 | 18.31 | 52.7 | |
| 13 | 589 | 17.33 | 44.6 | |
| 14 | 646 | 8.31 | 19.5 | |
| 15 | 1,734 | 4.27 | 3.7 | |
| 16 | 3,190 | 3.55 | 1.7 | |
| 17 | 4,227 | 3.93 | 1.4 | |
| 18 | 5,034 | 4.81 | 1.4 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 20 | 12,188 | 0.00 | 0.0 | |

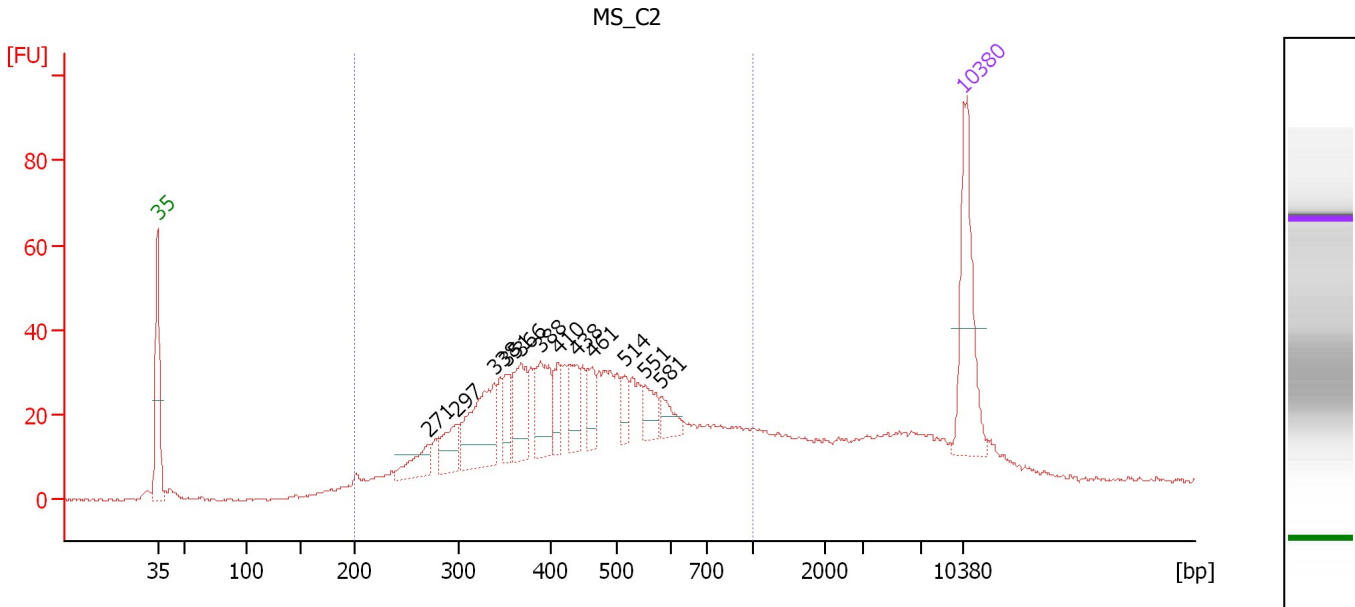
Region table for sample 6 : MS_C1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,861.0 | 453 | 736.88 | 1,000 | 441.8 | 81 | 34.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : MS_C2

Number of peaks found: 12 Corr. Area 1: 886.3
 Noise: 0.3

Peak table for sample 7 : MS_C2

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 271 | 29.70 | 166.3 | |
| 3 | 297 | 33.56 | 171.4 | |
| 4 | 338 | 84.56 | 379.6 | |
| 5 | 351 | 24.96 | 107.8 | |
| 6 | 366 | 50.36 | 208.3 | |
| 7 | 388 | 52.11 | 203.4 | |
| 8 | 410 | 25.26 | 93.4 | |
| 9 | 438 | 28.91 | 99.9 | |
| 10 | 461 | 23.47 | 77.1 | |
| 11 | 514 | 15.22 | 44.8 | |
| 12 | 551 | 22.87 | 62.9 | |
| 13 | 581 | 15.86 | 41.3 | |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker |

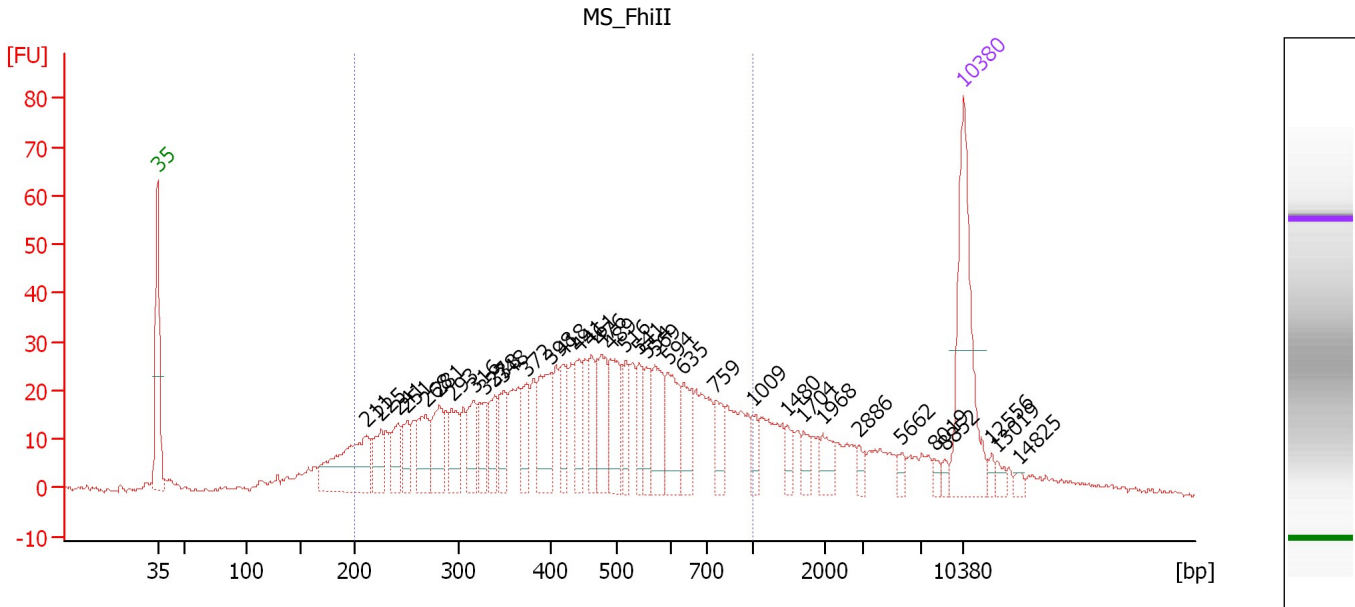
Region table for sample 7 : MS_C2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 4,005.1 | 465 | 1,052.99 | 1,000 | 886.3 | 75 | 34.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : MS_FhiII

Number of peaks found: 36 Corr. Area 1: 906.8
 Noise: 0.4

Peak table for sample 8 : MS_FhiII

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 211 | 84.50 | 606.3 | |
| 3 | 225 | 25.04 | 168.6 | |
| 4 | 241 | 25.85 | 162.4 | |
| 5 | 251 | 18.46 | 111.6 | |
| 6 | 268 | 33.57 | 189.5 | |
| 7 | 281 | 35.32 | 190.3 | |
| 8 | 293 | 27.16 | 140.5 | |
| 9 | 316 | 27.99 | 134.3 | |
| 10 | 327 | 21.53 | 99.7 | |
| 11 | 338 | 23.48 | 105.1 | |
| 12 | 348 | 27.62 | 120.3 | |
| 13 | 372 | 23.17 | 94.3 | |
| 14 | 398 | 44.53 | 169.4 | |
| 15 | 418 | 23.72 | 86.0 | |
| 16 | 441 | 26.03 | 89.4 | |
| 17 | 461 | 24.36 | 80.1 | |
| 18 | 476 | 37.04 | 117.9 | |
| 19 | 489 | 39.33 | 121.8 | |
| 20 | 516 | 22.25 | 65.3 | |
| 21 | 541 | 21.08 | 59.1 | |
| 22 | 554 | 20.21 | 55.2 | |
| 23 | 569 | 34.44 | 91.6 | |
| 24 | 594 | 33.80 | 86.3 | |
| 25 | 635 | 24.91 | 59.5 | |
| 26 | 759 | 18.54 | 37.0 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad


Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : MS_FhiII

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 1,009 | 9.98 | 15.0 | |
| 28 | 1,480 | 8.42 | 8.6 | |
| 29 | 1,704 | 7.89 | 7.0 | |
| 30 | 1,968 | 11.60 | 8.9 | |
| 31 | 2,886 | 5.25 | 2.8 | |
| 32 | 5,662 | 5.49 | 1.5 | |
| 33 | 8,019 | 3.78 | 0.7 | |
| 34 | 8,852 | 3.38 | 0.6 | |
| 35 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 36 | 12,556 | 0.00 | 0.0 | |
| 37 | 13,019 | 0.00 | 0.0 | |
| 38 | 14,825 | 0.00 | 0.0 | |

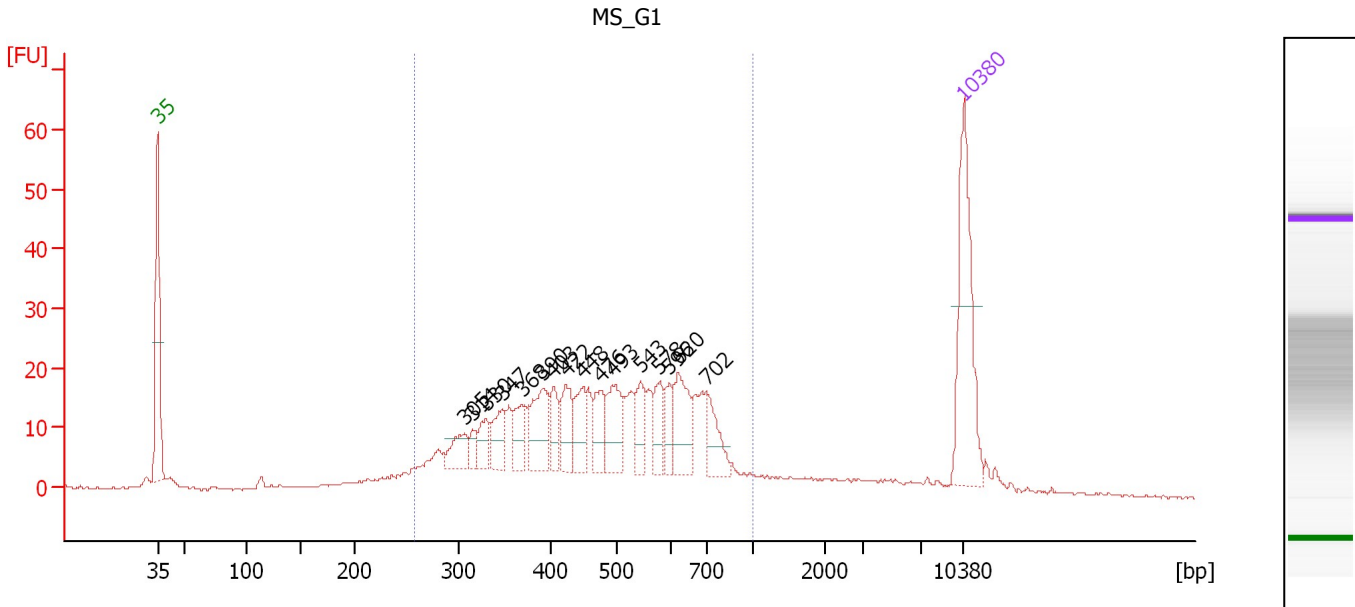
Region table for sample 8 : MS_FhiII

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 200 | 3,934.2 | 468 | 994.47 | 1,000 | 906.8 | 75 | 37.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : MS_G1

Number of peaks found: 16 Corr. Area 1: 493.7
 Noise: 0.2

Peak table for sample 9 : MS_G1

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 305 | 22.63 | 112.2 | |
| 3 | 314 | 10.20 | 49.2 | |
| 4 | 330 | 18.37 | 84.4 | |
| 5 | 347 | 24.35 | 106.4 | |
| 6 | 368 | 23.18 | 95.5 | |
| 7 | 390 | 43.74 | 170.0 | |
| 8 | 403 | 20.28 | 76.3 | |
| 9 | 422 | 28.13 | 101.1 | |
| 10 | 448 | 27.74 | 93.9 | |
| 11 | 476 | 24.34 | 77.4 | |
| 12 | 493 | 37.56 | 115.5 | |
| 13 | 543 | 20.82 | 58.1 | |
| 14 | 578 | 21.10 | 55.3 | |
| 15 | 596 | 15.06 | 38.3 | |
| 16 | 620 | 36.46 | 89.2 | |
| 17 | 702 | 26.31 | 56.8 | |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker |

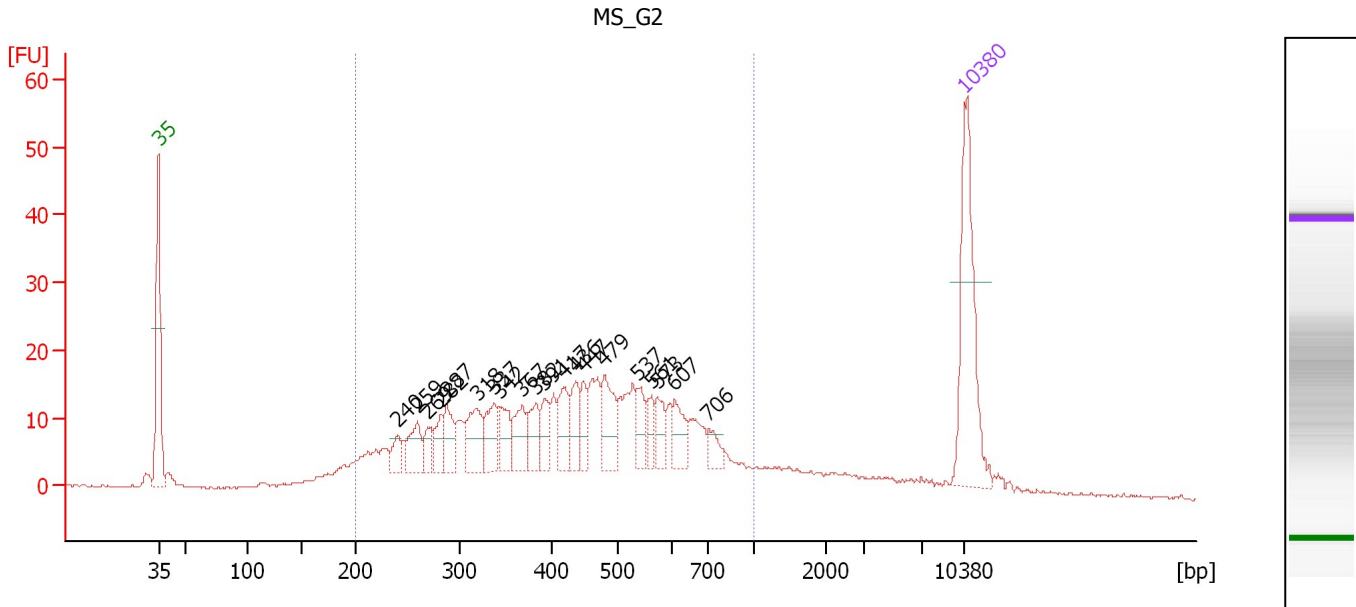
Region table for sample 9 : MS_G1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 256 | 2,508.2 | 489 | 717.73 | 1,000 | 493.7 | 83 | 29.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : MS_G2

Number of peaks found: 20 Corr. Area 1: 494.5
 Noise: 0.2

Peak table for sample 10 : MS_G2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 240 | 13.75 | 86.7 | |
| 3 | 259 | 24.92 | 145.8 | |
| 4 | 269 | 13.42 | 75.7 | |
| 5 | 282 | 15.94 | 85.7 | |
| 6 | 287 | 23.87 | 125.8 | |
| 7 | 318 | 31.99 | 152.5 | |
| 8 | 337 | 26.97 | 121.4 | |
| 9 | 342 | 24.81 | 109.8 | |
| 10 | 367 | 24.06 | 99.4 | |
| 11 | 382 | 21.40 | 85.0 | |
| 12 | 391 | 18.59 | 72.0 | |
| 13 | 417 | 24.30 | 88.4 | |
| 14 | 436 | 21.66 | 75.3 | |
| 15 | 447 | 16.53 | 56.0 | |
| 16 | 479 | 32.93 | 104.2 | |
| 17 | 537 | 17.11 | 48.3 | |
| 18 | 561 | 12.15 | 32.8 | |
| 19 | 573 | 15.83 | 41.9 | |
| 20 | 607 | 18.94 | 47.3 | |
| 21 | 706 | 10.13 | 21.8 | |
| 22 | 10,380 | 75.00 | 10.9 | Upper Marker |

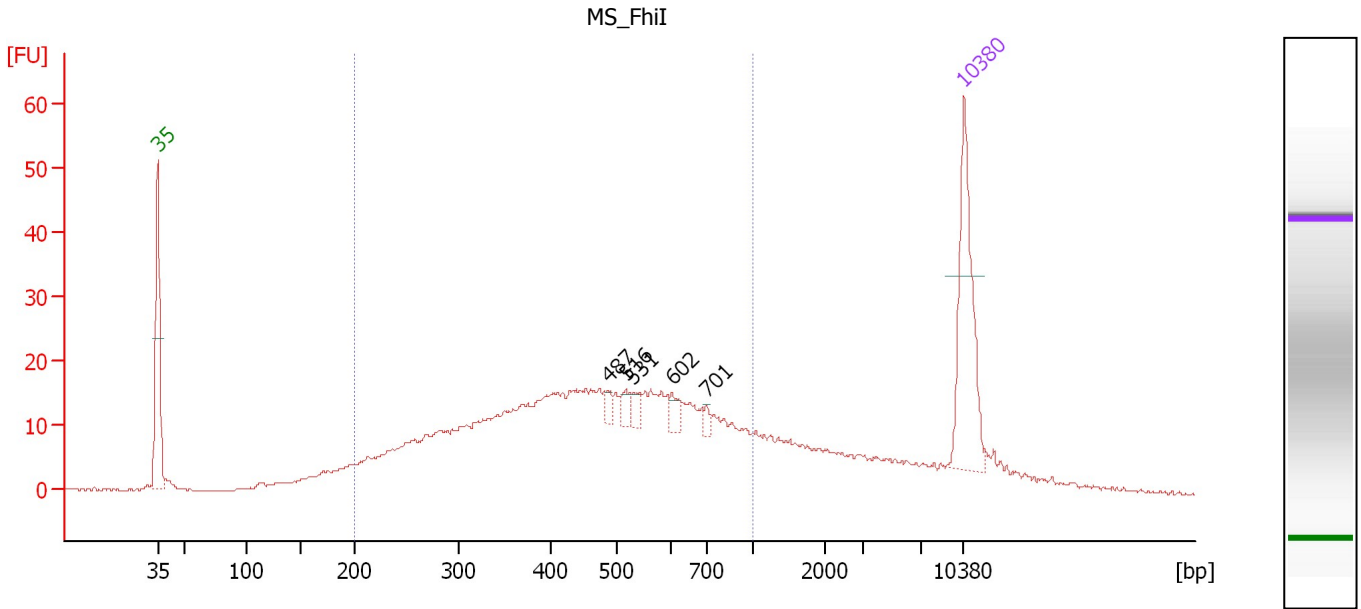
Region table for sample 10 : MS_G2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 3,274.3 | 447 | 810.86 | 1,000 | 494.5 | 84 | 35.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : MS_FhiI

Number of peaks found: 5 Corr. Area 1: 533.7
 Noise: 0.2

Peak table for sample 11 : MS_FhiI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 487 | 7.14 | 22.2 | |
| 3 | 516 | 8.18 | 24.0 | |
| 4 | 531 | 9.82 | 28.0 | |
| 5 | 602 | 8.59 | 21.6 | |
| 6 | 701 | 4.76 | 10.3 | |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker |

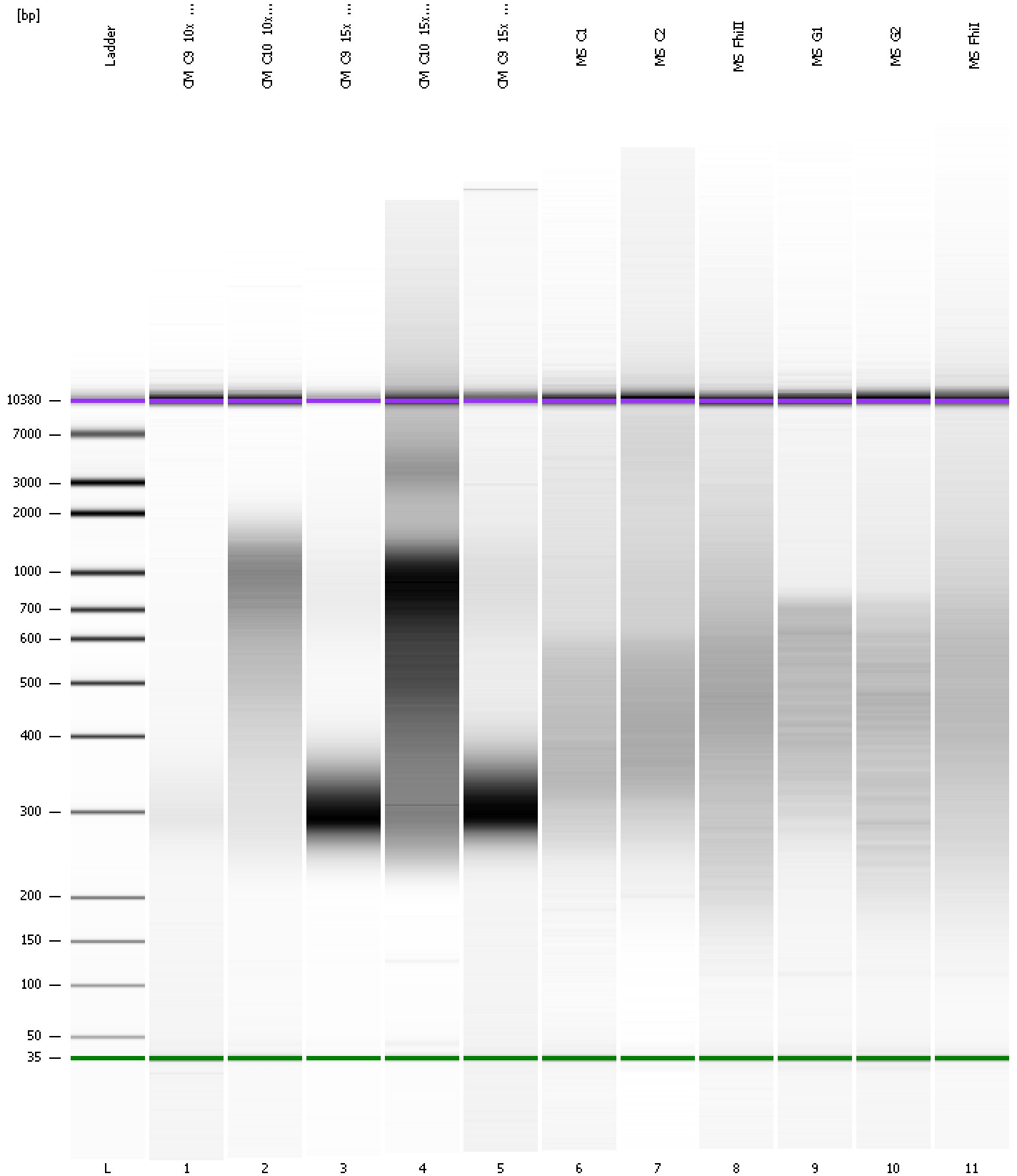
Region table for sample 11 : MS_FhiI

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 3,433.8 | 475 | 885.06 | 1,000 | 533.7 | 74 | 37.1 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
Modified: 4/19/2012 2:52:35 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad

Created: 4/19/2012 2:11:16 PM
 Modified: 4/19/2012 2:52:35 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 | | 4/19/2012 2:52:30 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-19\2012-04-19_005.xad) | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 4/19/2012 2:11:17 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |