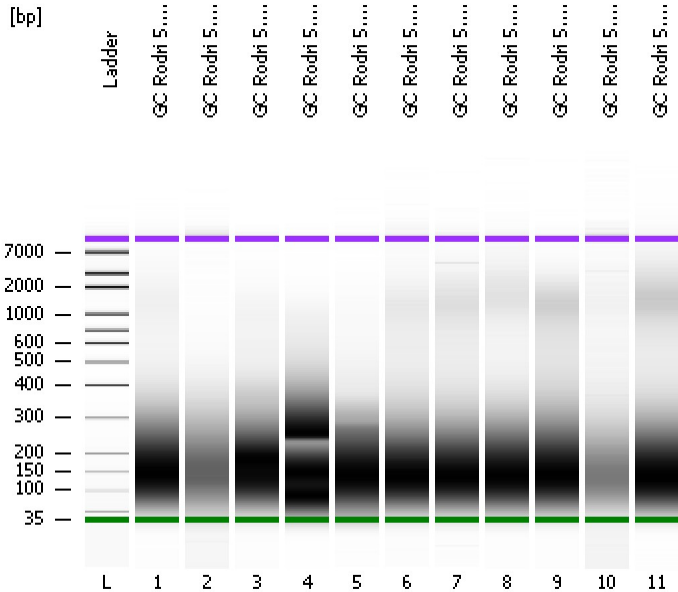


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

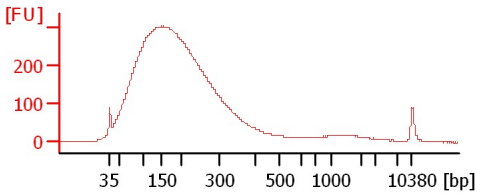
Assay Information:

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

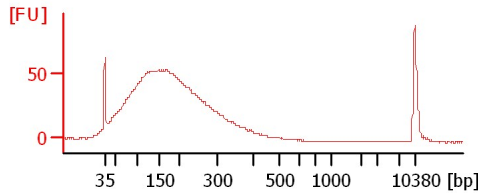
Chip Information:

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

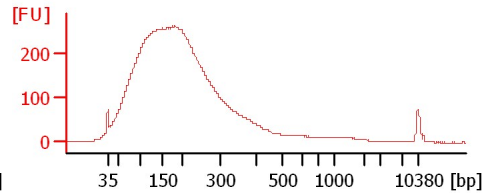
GC_Rodri 5.29-1



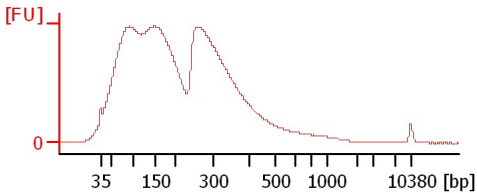
GC_Rodri 5.29-2



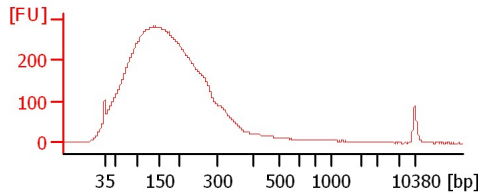
GC_Rodri 5.29-3



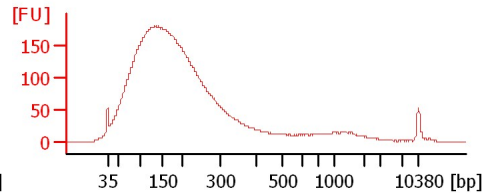
GC_Rodri 5.29-4



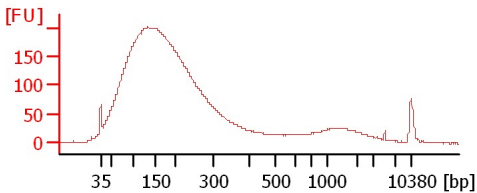
GC_Rodri 5.29-5



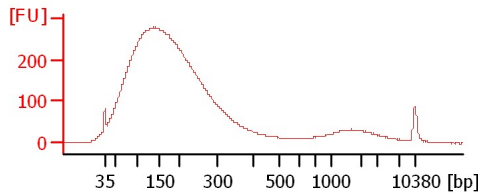
GC_Rodri 5.29-6



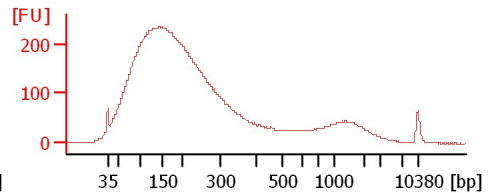
GC_Rodri 5.29-7



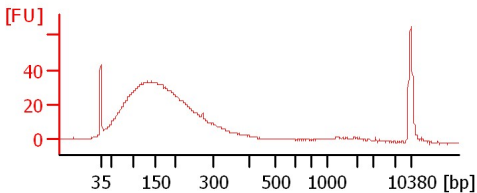
GC_Rodri 5.29-8



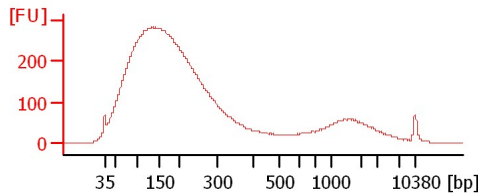
GC_Rodri 5.29-9



GC_Rodri 5.29-10



GC_Rodri 5.29-11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| GC_Rodri 5.29-1 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-2 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-3 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-4 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-5 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-6 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-7 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-8 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-9 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-10 | | <input type="checkbox"/> | ✓ | | | |
| GC_Rodri 5.29-11 | | <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\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 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

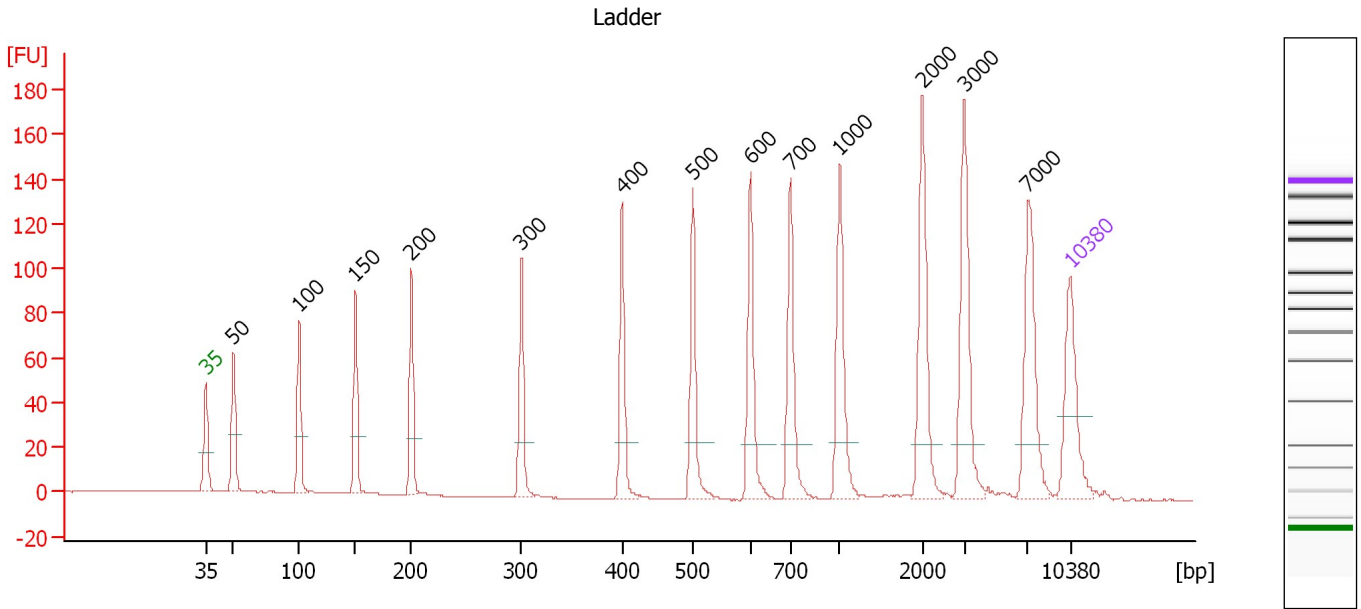
Ladder

| 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\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

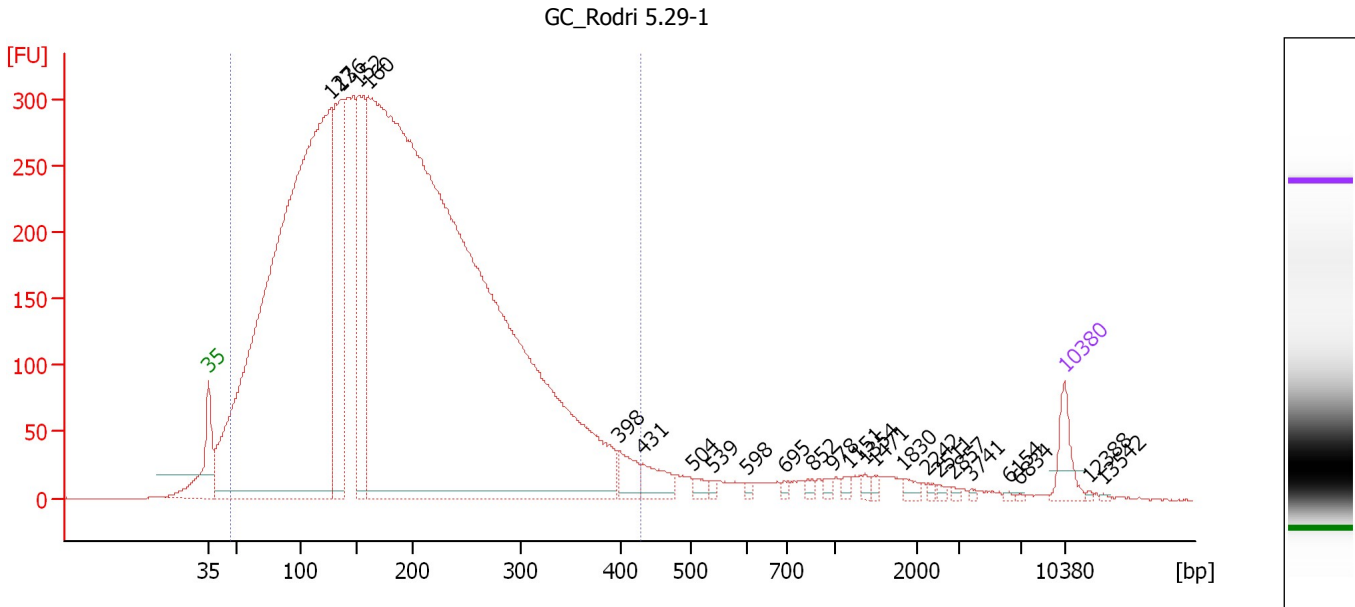
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : GC Rodri 5.29-1

Number of peaks found: 24 Corr. Area 1: 10,751.8
 Noise: 0.2

Peak table for sample 1 : GC Rodri 5.29-1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 127 | 5,515.48 | 65,965.6 | |
| 3 | 136 | 957.02 | 10,681.8 | |
| 4 | 152 | 725.04 | 7,251.1 | |
| 5 | 160 | 9,835.64 | 93,322.6 | |
| 6 | 398 | 92.60 | 352.3 | |
| 7 | 431 | 92.86 | 326.5 | |
| 8 | 504 | 29.35 | 88.3 | |
| 9 | 539 | 12.62 | 35.5 | |
| 10 | 598 | 9.06 | 22.9 | |
| 11 | 695 | 9.66 | 21.1 | |
| 12 | 852 | 15.55 | 27.7 | |
| 13 | 978 | 15.45 | 23.9 | |
| 14 | 1,151 | 13.48 | 17.7 | |
| 15 | 1,354 | 13.38 | 15.0 | |
| 16 | 1,471 | 11.24 | 11.6 | |
| 17 | 1,830 | 20.00 | 16.6 | |
| 18 | 2,242 | 7.32 | 4.9 | |
| 19 | 2,511 | 8.17 | 4.9 | |
| 20 | 2,857 | 6.54 | 3.5 | |
| 21 | 3,741 | 5.08 | 2.1 | |
| 22 | 6,154 | 4.43 | 1.1 | |
| 23 | 6,834 | 2.84 | 0.6 | |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 25 | 12,388 | 0.00 | 0.0 | |
| 26 | 13,542 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...

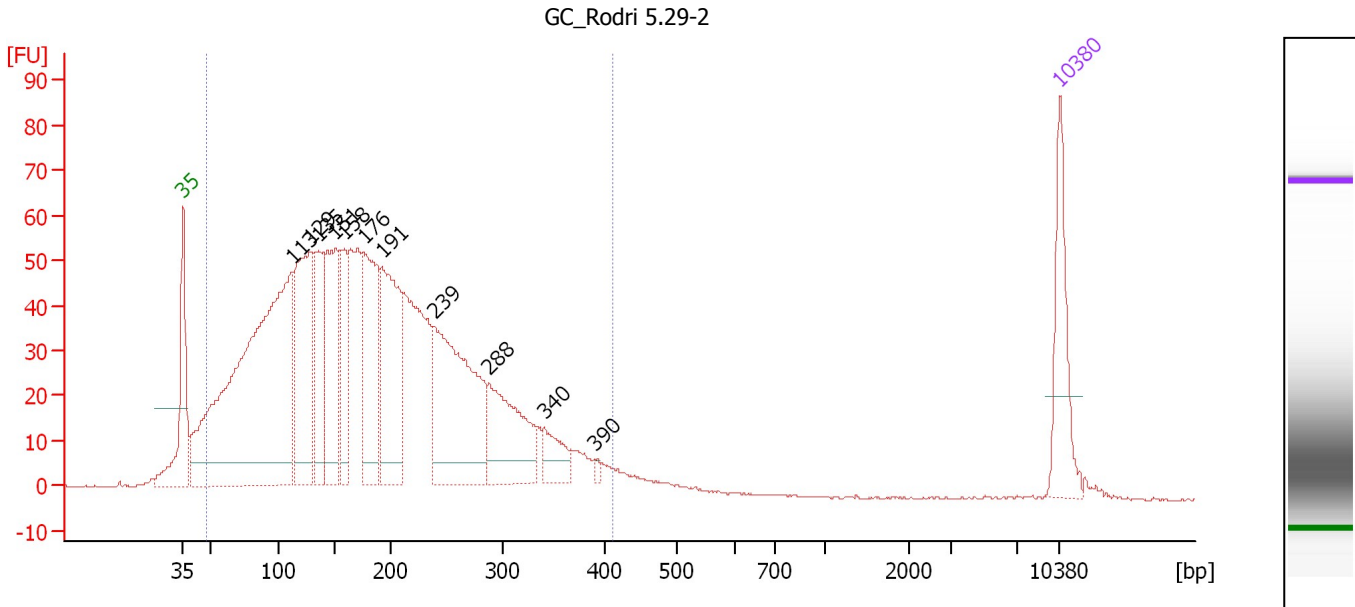
... Region table for sample 1 : GC_Rodri 5.29-1

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 47 | 429 | 186 | 180,191.2 | 16,436.91 | 10,751.8 | 94 | 44.2 | ■ |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : GC_Rodri 5.29-2

Number of peaks found: 11 Corr. Area 1: 1,892.1
 Noise: 0.2

Peak table for sample 2 : GC_Rodri 5.29-2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 113 | 893.66 | 12,018.3 | |
| 3 | 129 | 282.06 | 3,320.8 | |
| 4 | 135 | 138.12 | 1,544.5 | |
| 5 | 151 | 187.00 | 1,881.8 | |
| 6 | 158 | 106.32 | 1,017.0 | |
| 7 | 176 | 205.47 | 1,773.1 | |
| 8 | 191 | 225.40 | 1,785.5 | |
| 9 | 239 | 319.45 | 2,028.7 | |
| 10 | 288 | 154.34 | 813.2 | |
| 11 | 340 | 41.77 | 185.9 | |
| 12 | 390 | 5.27 | 20.5 | |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker |

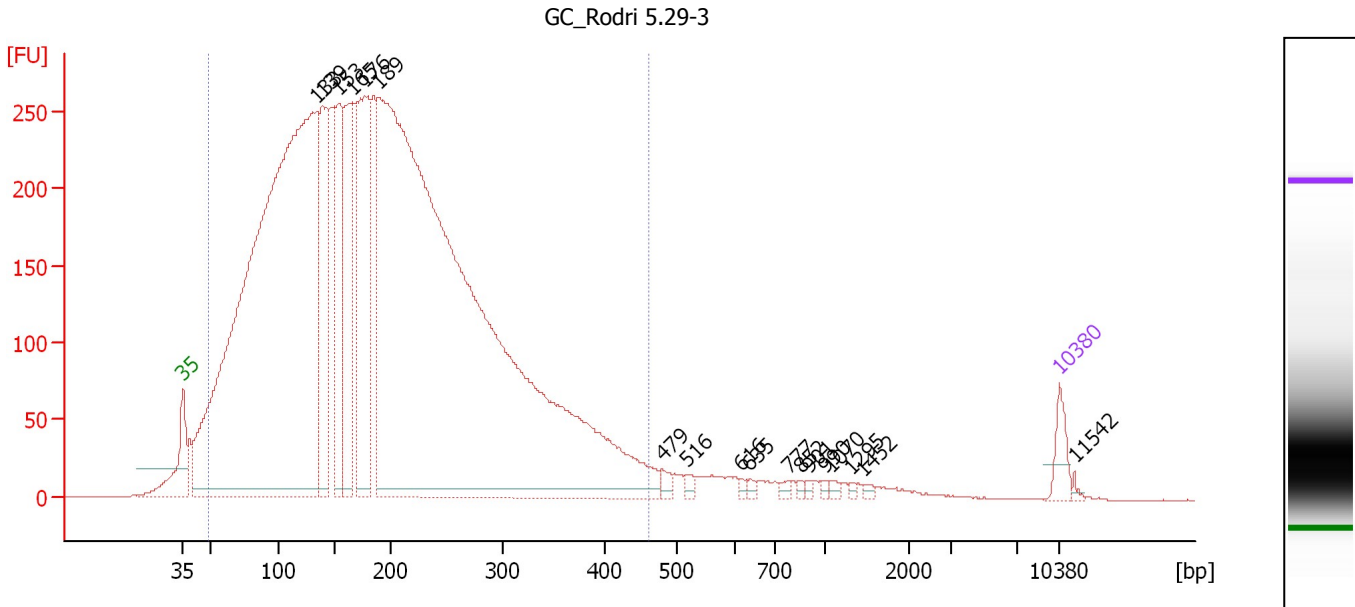
Region table for sample 2 : GC_Rodri 5.29-2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 47 | 411 | 185 | 35,621.3 | 3,205.18 | 1,892.1 | 96 | 44.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : GC_Rodri 5.29-3

Number of peaks found: 18 Corr. Area 1: 9,284.9
 Noise: 0.2

Peak table for sample 3 : GC_Rodri 5.29-3

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 133 | 7,169.89 | 81,533.0 | |
| 3 | 139 | 926.51 | 10,082.7 | |
| 4 | 153 | 645.93 | 6,386.8 | |
| 5 | 165 | 813.18 | 7,475.2 | |
| 6 | 176 | 1,120.54 | 9,651.6 | |
| 7 | 189 | 9,332.22 | 75,010.7 | |
| 8 | 479 | 34.91 | 110.3 | |
| 9 | 516 | 24.68 | 72.5 | |
| 10 | 616 | 13.34 | 32.8 | |
| 11 | 635 | 14.56 | 34.7 | |
| 12 | 777 | 17.27 | 33.7 | |
| 13 | 852 | 11.11 | 19.7 | |
| 14 | 901 | 11.20 | 18.8 | |
| 15 | 990 | 11.54 | 17.7 | |
| 16 | 1,070 | 17.86 | 25.3 | |
| 17 | 1,295 | 8.60 | 10.1 | |
| 18 | 1,452 | 13.16 | 13.7 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 20 | 11,542 | 0.00 | 0.0 | |

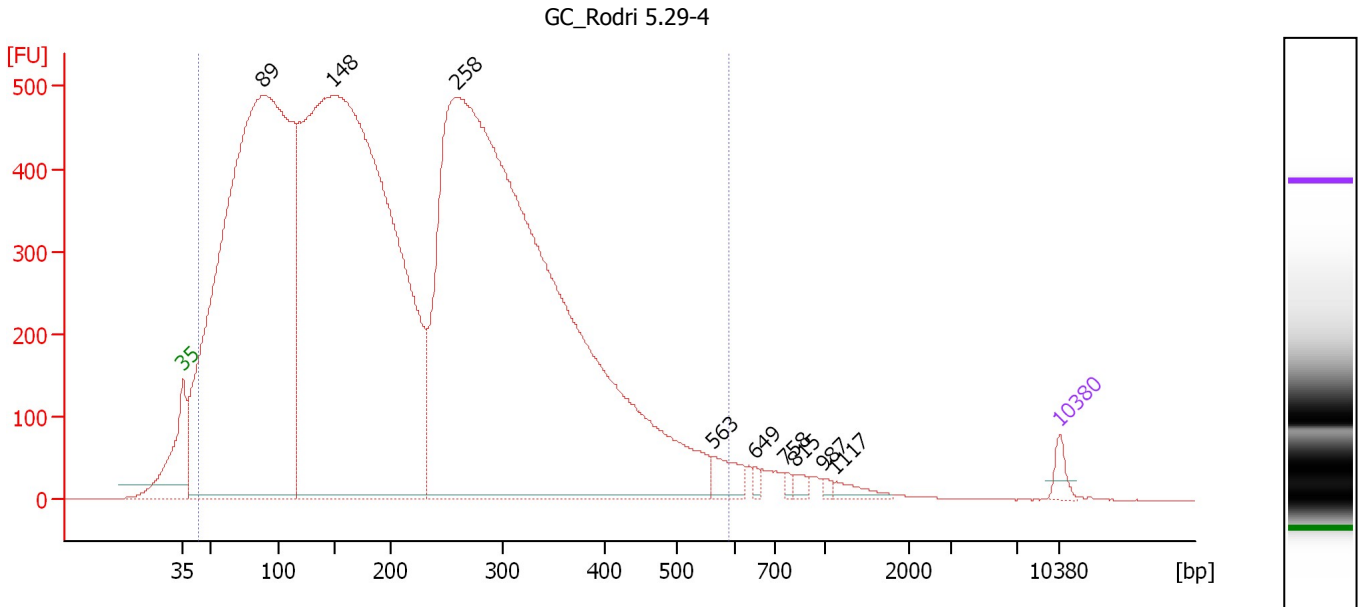
Region table for sample 3 : GC_Rodri 5.29-3

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 49 | 460 | 192 | 215,833.2 | 20,244.44 | 9,284.9 | 95 | 44.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : GC_Rodri 5.29-4

Number of peaks found: 9 Corr. Area 1: 22,151.3
 Noise: 0.2

Peak table for sample 4 : GC_Rodri 5.29-4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 89 | 14,459.52 | 246,708.3 | |
| 3 | 148 | 15,902.15 | 162,517.3 | |
| 4 | 258 | 15,190.80 | 89,276.7 | |
| 5 | 563 | 201.98 | 544.0 | |
| 6 | 649 | 38.26 | 89.4 | |
| 7 | 758 | 28.84 | 57.7 | |
| 8 | 815 | 53.74 | 99.9 | |
| 9 | 987 | 25.59 | 39.3 | |
| 10 | 1,117 | 75.46 | 102.3 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |

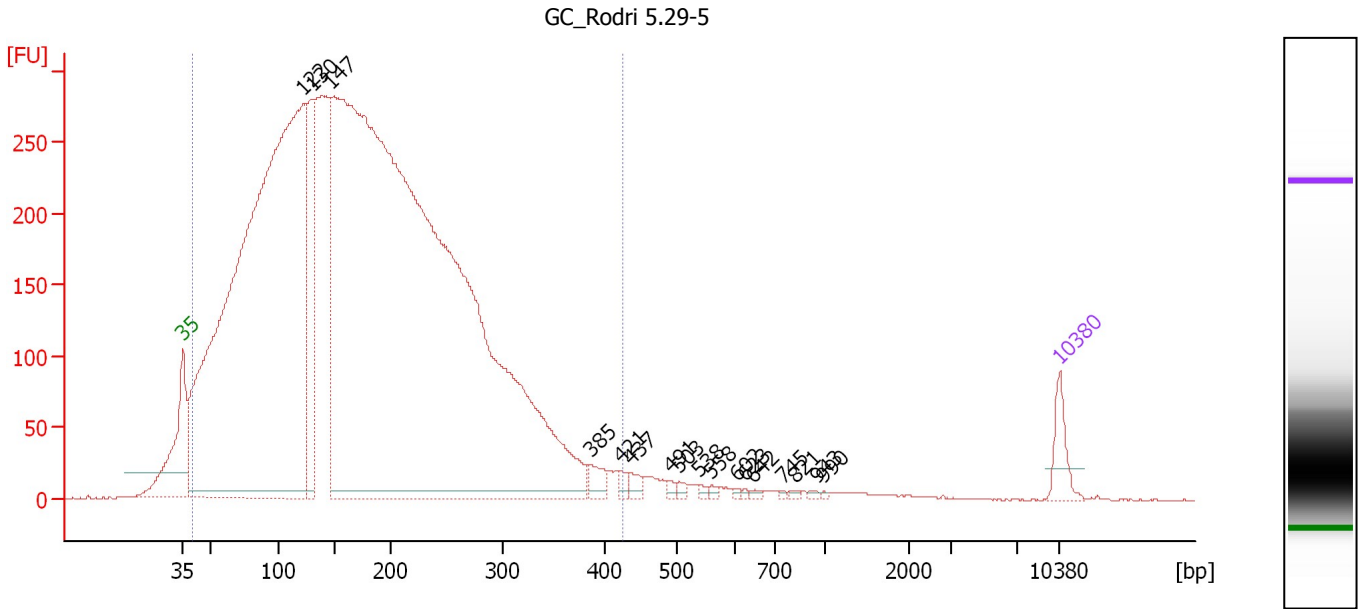
Region table for sample 4 : GC_Rodri 5.29-4

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 44 | 588 | 216 | 481,133.0 | 42,699.39 | 22,151.3 | 97 | 53.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : GC_Rodri 5.29-5

Number of peaks found: 17 Corr. Area 1: 9,960.0
 Noise: 0.2

Peak table for sample 5 : GC_Rodri 5.29-5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 122 | 6,170.38 | 76,544.4 | |
| 3 | 130 | 701.53 | 8,179.4 | |
| 4 | 147 | 10,675.30 | 110,318.6 | |
| 5 | 385 | 53.84 | 211.8 | |
| 6 | 421 | 25.49 | 91.7 | |
| 7 | 437 | 30.91 | 107.1 | |
| 8 | 491 | 13.29 | 41.0 | |
| 9 | 503 | 16.17 | 48.7 | |
| 10 | 538 | 11.59 | 32.6 | |
| 11 | 558 | 10.93 | 29.6 | |
| 12 | 602 | 6.12 | 15.4 | |
| 13 | 623 | 5.66 | 13.8 | |
| 14 | 642 | 8.61 | 20.3 | |
| 15 | 745 | 5.05 | 10.3 | |
| 16 | 821 | 7.25 | 13.4 | |
| 17 | 943 | 7.00 | 11.2 | |
| 18 | 990 | 3.85 | 5.9 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

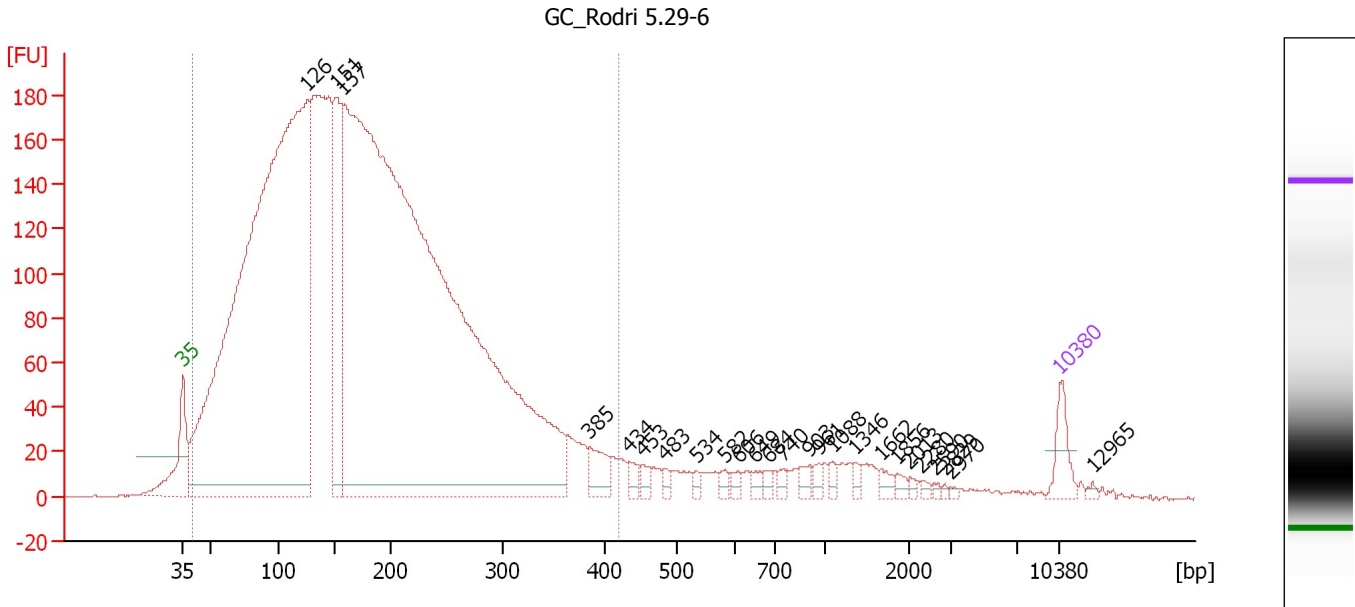
Region table for sample 5 : GC_Rodri 5.29-5

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 40 | 426 | 175 | 209,442.0 | 17,280.73 | 9,960.0 | 97 | 46.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : GC_Rodri 5.29-6

Number of peaks found: 25 Corr. Area 1: 5,968.5
 Noise: 0.2

Peak table for sample 6 : GC_Rodri 5.29-6

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 126 | 5,823.34 | 70,275.1 | |
| 3 | 151 | 654.92 | 6,582.6 | |
| 4 | 157 | 8,541.28 | 82,373.7 | |
| 5 | 385 | 98.31 | 387.2 | |
| 6 | 434 | 32.28 | 112.6 | |
| 7 | 453 | 31.51 | 105.5 | |
| 8 | 483 | 21.15 | 66.4 | |
| 9 | 534 | 18.34 | 52.0 | |
| 10 | 582 | 22.83 | 59.4 | |
| 11 | 606 | 21.63 | 54.0 | |
| 12 | 649 | 21.82 | 50.9 | |
| 13 | 684 | 18.77 | 41.6 | |
| 14 | 740 | 19.20 | 39.3 | |
| 15 | 903 | 27.34 | 45.9 | |
| 16 | 961 | 21.35 | 33.7 | |
| 17 | 1,088 | 20.28 | 28.3 | |
| 18 | 1,346 | 16.48 | 18.5 | |
| 19 | 1,662 | 23.55 | 21.5 | |
| 20 | 1,856 | 17.29 | 14.1 | |
| 21 | 2,013 | 9.54 | 7.2 | |
| 22 | 2,280 | 9.71 | 6.5 | |
| 23 | 2,590 | 7.35 | 4.3 | |
| 24 | 2,829 | 5.37 | 2.9 | |
| 25 | 2,970 | 5.24 | 2.7 | |
| 26 | 10,380 | 75.00 | 10.9 | Upper Marker |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : GC Rodri 5.29-6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 12,965 | 0.00 | 0.0 | |

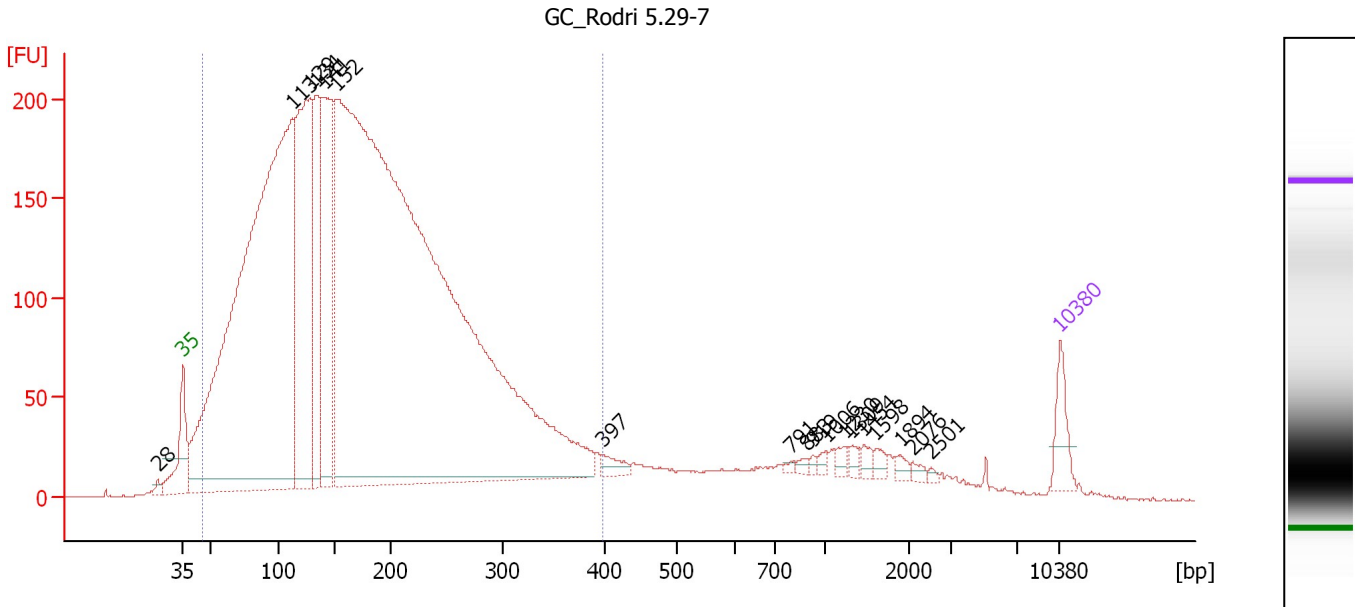
Region table for sample 6 : GC Rodri 5.29-6

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 40 | 420 | 177 | 187,803.7 | 16,002.04 | 5,968.5 | 93 | 45.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : GC_Rodri 5.29-7

Number of peaks found: 18 Corr. Area 1: 6,539.1
 Noise: 0.3

Peak table for sample 7 : GC_Rodri 5.29-7

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 113 | 4,295.24 | 57,580.3 | |
| 4 | 129 | 1,236.75 | 14,541.4 | |
| 5 | 134 | 539.02 | 6,088.2 | |
| 6 | 141 | 769.26 | 8,265.8 | |
| 7 | 152 | 7,894.12 | 78,628.9 | |
| 8 | 397 | 40.30 | 153.7 | |
| 9 | 791 | 8.36 | 16.0 | |
| 10 | 883 | 11.83 | 20.3 | |
| 11 | 919 | 8.67 | 14.3 | |
| 12 | 1,006 | 14.85 | 22.4 | |
| 13 | 1,230 | 20.75 | 25.6 | |
| 14 | 1,309 | 18.45 | 21.4 | |
| 15 | 1,454 | 20.95 | 21.8 | |
| 16 | 1,598 | 18.95 | 18.0 | |
| 17 | 1,894 | 17.48 | 14.0 | |
| 18 | 2,076 | 12.77 | 9.3 | |
| 19 | 2,501 | 6.30 | 3.8 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

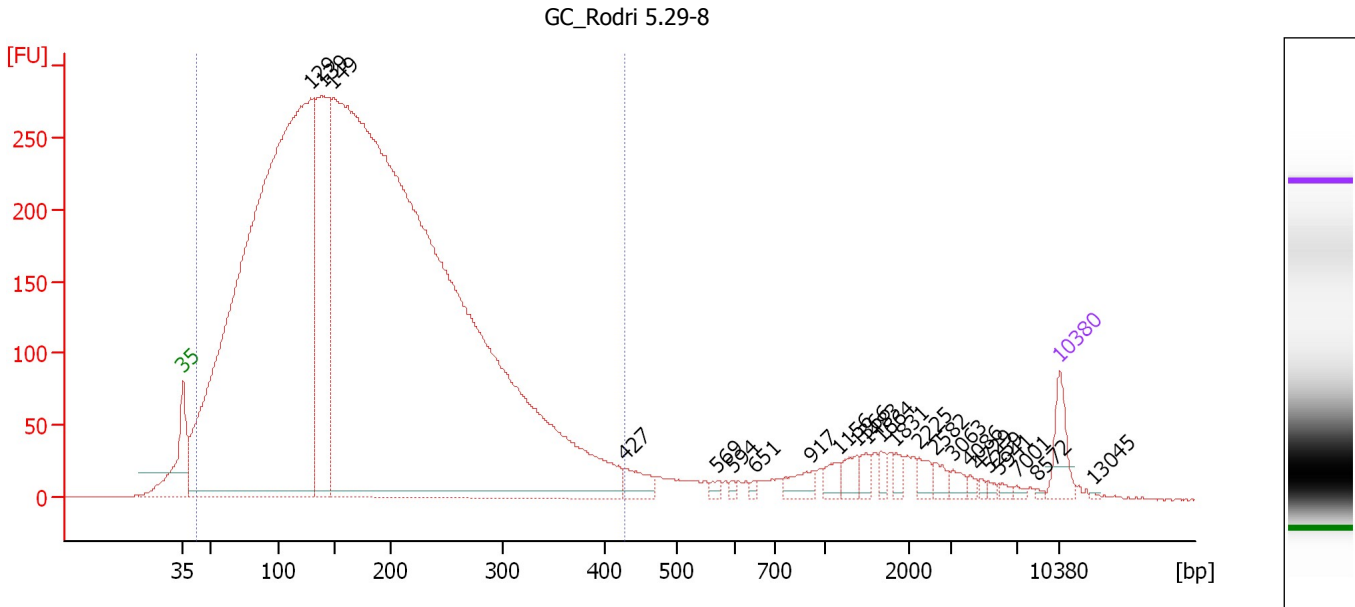
Region table for sample 7 : GC_Rodri 5.29-7

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 46 | 397 | 176 | 164,680.5 | 14,343.79 | 6,539.1 | 90 | 44.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : GC_Rodri 5.29-8

Number of peaks found: 23 Corr. Area 1: 9,272.9
 Noise: 0.3

Peak table for sample 8 : GC_Rodri 5.29-8

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 129 | 5,801.06 | 68,120.1 | |
| 3 | 139 | 1,210.92 | 13,238.2 | |
| 4 | 149 | 9,597.30 | 97,797.9 | |
| 5 | 427 | 71.61 | 254.2 | |
| 6 | 569 | 16.12 | 42.9 | |
| 7 | 594 | 9.95 | 25.4 | |
| 8 | 651 | 10.10 | 23.5 | |
| 9 | 917 | 49.42 | 81.7 | |
| 10 | 1,156 | 35.79 | 46.9 | |
| 11 | 1,366 | 42.17 | 46.8 | |
| 12 | 1,483 | 27.14 | 27.7 | |
| 13 | 1,664 | 19.76 | 18.0 | |
| 14 | 1,831 | 23.72 | 19.6 | |
| 15 | 2,225 | 29.19 | 19.9 | |
| 16 | 2,582 | 26.72 | 15.7 | |
| 17 | 3,063 | 22.80 | 11.3 | |
| 18 | 4,086 | 9.83 | 3.6 | |
| 19 | 4,729 | 7.36 | 2.4 | |
| 20 | 5,259 | 6.80 | 2.0 | |
| 21 | 5,941 | 10.39 | 2.6 | |
| 22 | 7,001 | 7.33 | 1.6 | |
| 23 | 8,572 | 4.88 | 0.9 | |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 25 | 13,045 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...

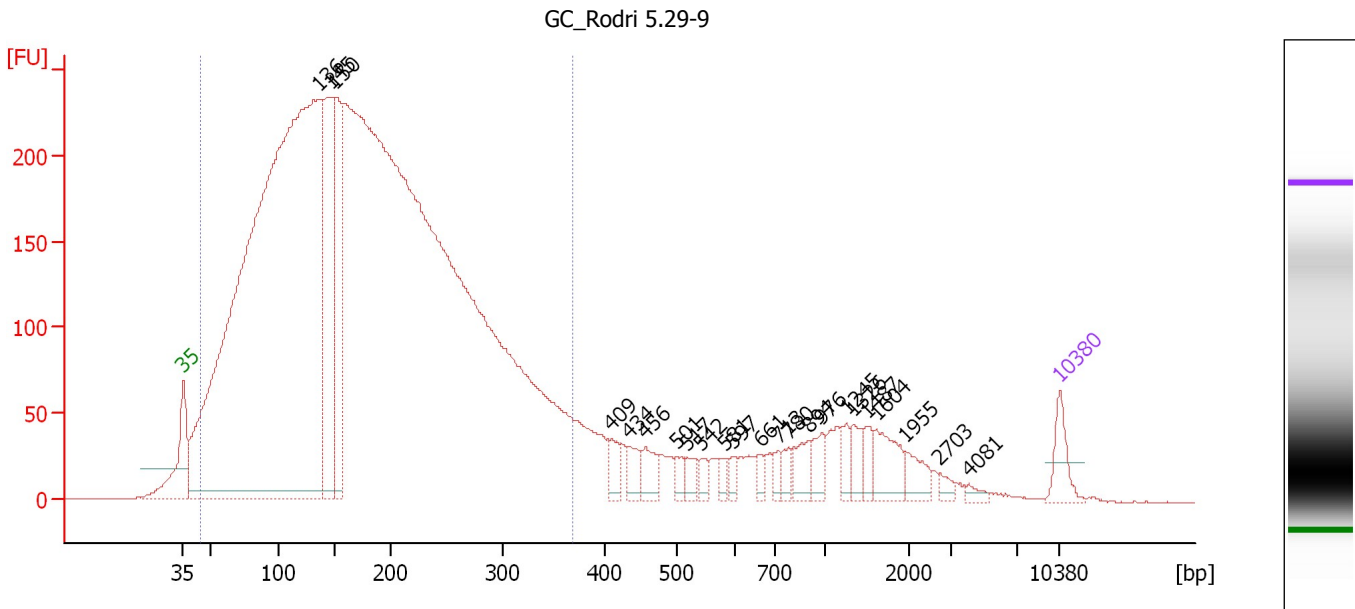
... Region table for sample 8 : GC_Rodri 5.29-8

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 42 | 429 | 178 | 177,709.4 | 15,234.52 | 9,272.9 | 93 | 45.8 | ■ |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : GC_Rodri 5.29-9

Number of peaks found: 23 Corr. Area 1: 7,798.2
 Noise: 0.3

Peak table for sample 9 : GC_Rodri 5.29-9

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 136 | 7,039.19 | 78,550.8 | |
| 3 | 145 | 922.27 | 9,609.6 | |
| 4 | 150 | 667.03 | 6,727.1 | |
| 5 | 409 | 69.78 | 258.3 | |
| 6 | 434 | 69.92 | 244.1 | |
| 7 | 456 | 82.37 | 273.5 | |
| 8 | 501 | 40.11 | 121.4 | |
| 9 | 517 | 45.48 | 133.4 | |
| 10 | 542 | 31.67 | 88.6 | |
| 11 | 581 | 34.86 | 91.0 | |
| 12 | 597 | 32.49 | 82.4 | |
| 13 | 661 | 32.19 | 73.7 | |
| 14 | 713 | 34.27 | 72.8 | |
| 15 | 780 | 37.19 | 72.3 | |
| 16 | 894 | 76.45 | 129.5 | |
| 17 | 976 | 66.16 | 102.7 | |
| 18 | 1,245 | 48.63 | 59.2 | |
| 19 | 1,326 | 59.32 | 67.8 | |
| 20 | 1,487 | 48.08 | 49.0 | |
| 21 | 1,604 | 119.54 | 112.9 | |
| 22 | 1,955 | 64.56 | 50.0 | |
| 23 | 2,703 | 23.64 | 13.3 | |
| 24 | 4,081 | 16.51 | 6.1 | |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...

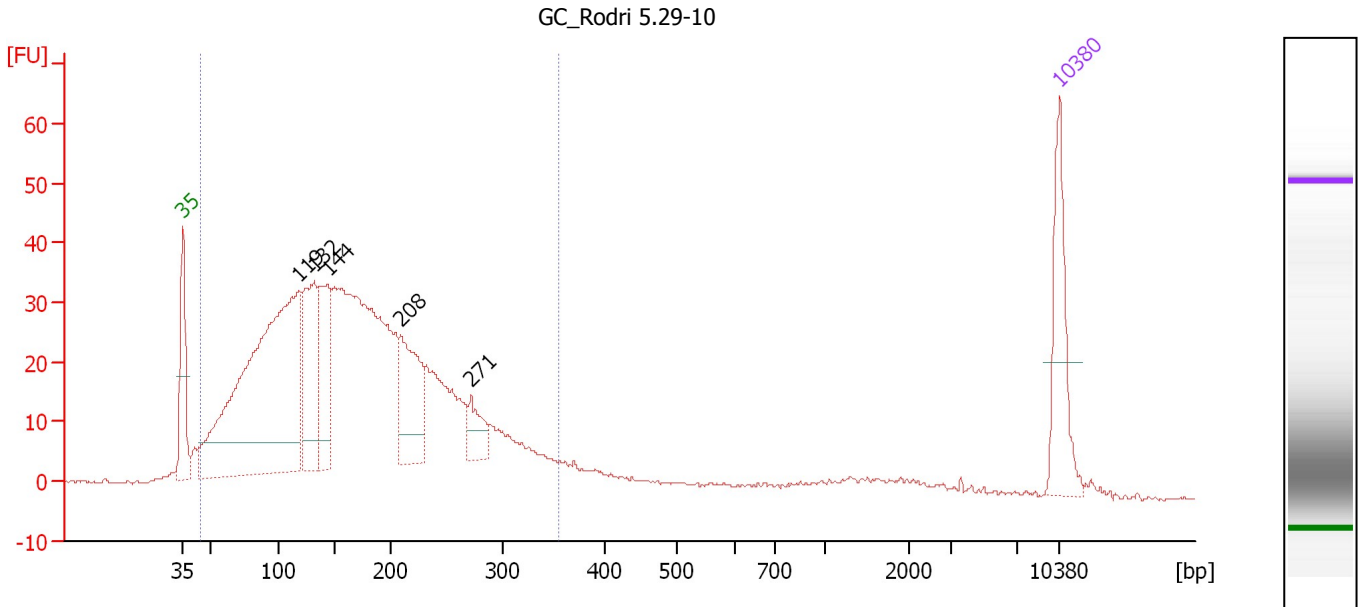
... Region table for sample 9 : GC_Rodri 5.29-9

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 45 | 369 | 179 | 197,582.0 | 17,367.03 | 7,798.2 | 87 | 43.3 | ■ |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : GC Rodri 5.29-10

Number of peaks found: 5 Corr. Area 1: 1,023.9
 Noise: 0.3

Peak table for sample 10 : GC Rodri 5.29-10

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 119 | 699.69 | 8,940.8 | |
| 3 | 132 | 172.04 | 1,975.5 | |
| 4 | 144 | 134.29 | 1,415.7 | |
| 5 | 208 | 130.49 | 950.1 | |
| 6 | 271 | 38.81 | 216.6 | |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker |

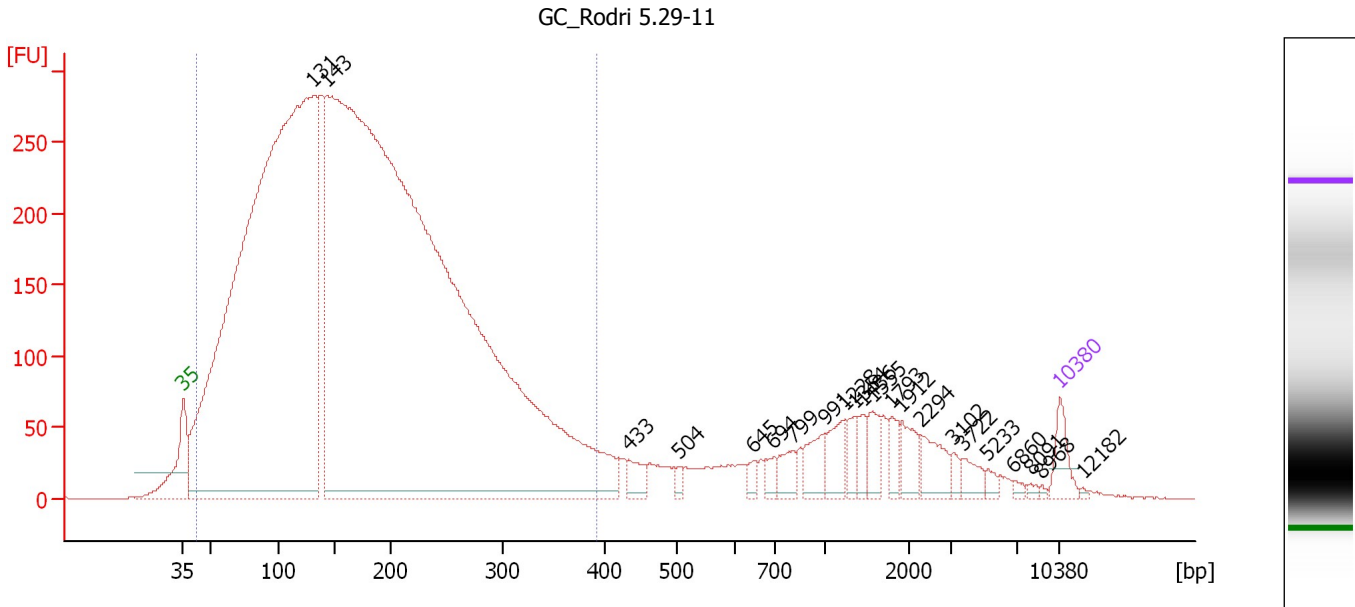
Region table for sample 10 : GC Rodri 5.29-10

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 44 | 354 | 169 | 26,809.8 | 2,292.01 | 1,023.9 | 91 | 42.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : GC Rodri 5.29-11

Number of peaks found: 22 Corr. Area 1: 9,353.1
 Noise: 0.2

Peak table for sample 11 : GC Rodri 5.29-11

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 131 | 7,462.46 | 86,243.8 | |
| 3 | 143 | 12,512.97 | 132,520.0 | |
| 4 | 433 | 72.86 | 254.7 | |
| 5 | 504 | 27.38 | 82.2 | |
| 6 | 645 | 33.75 | 79.3 | |
| 7 | 694 | 39.62 | 86.4 | |
| 8 | 799 | 74.42 | 141.1 | |
| 9 | 991 | 102.20 | 156.2 | |
| 10 | 1,228 | 101.58 | 125.4 | |
| 11 | 1,354 | 62.21 | 69.6 | |
| 12 | 1,436 | 52.59 | 55.5 | |
| 13 | 1,555 | 73.09 | 71.2 | |
| 14 | 1,793 | 56.39 | 47.7 | |
| 15 | 1,912 | 83.67 | 66.3 | |
| 16 | 2,294 | 96.76 | 63.9 | |
| 17 | 3,102 | 25.64 | 12.5 | |
| 18 | 3,722 | 47.68 | 19.4 | |
| 19 | 5,233 | 21.58 | 6.2 | |
| 20 | 6,860 | 11.97 | 2.6 | |
| 21 | 8,091 | 10.16 | 1.9 | |
| 22 | 8,968 | 5.38 | 0.9 | |
| 23 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 24 | 12,182 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Electropherogram Summary Continued ...

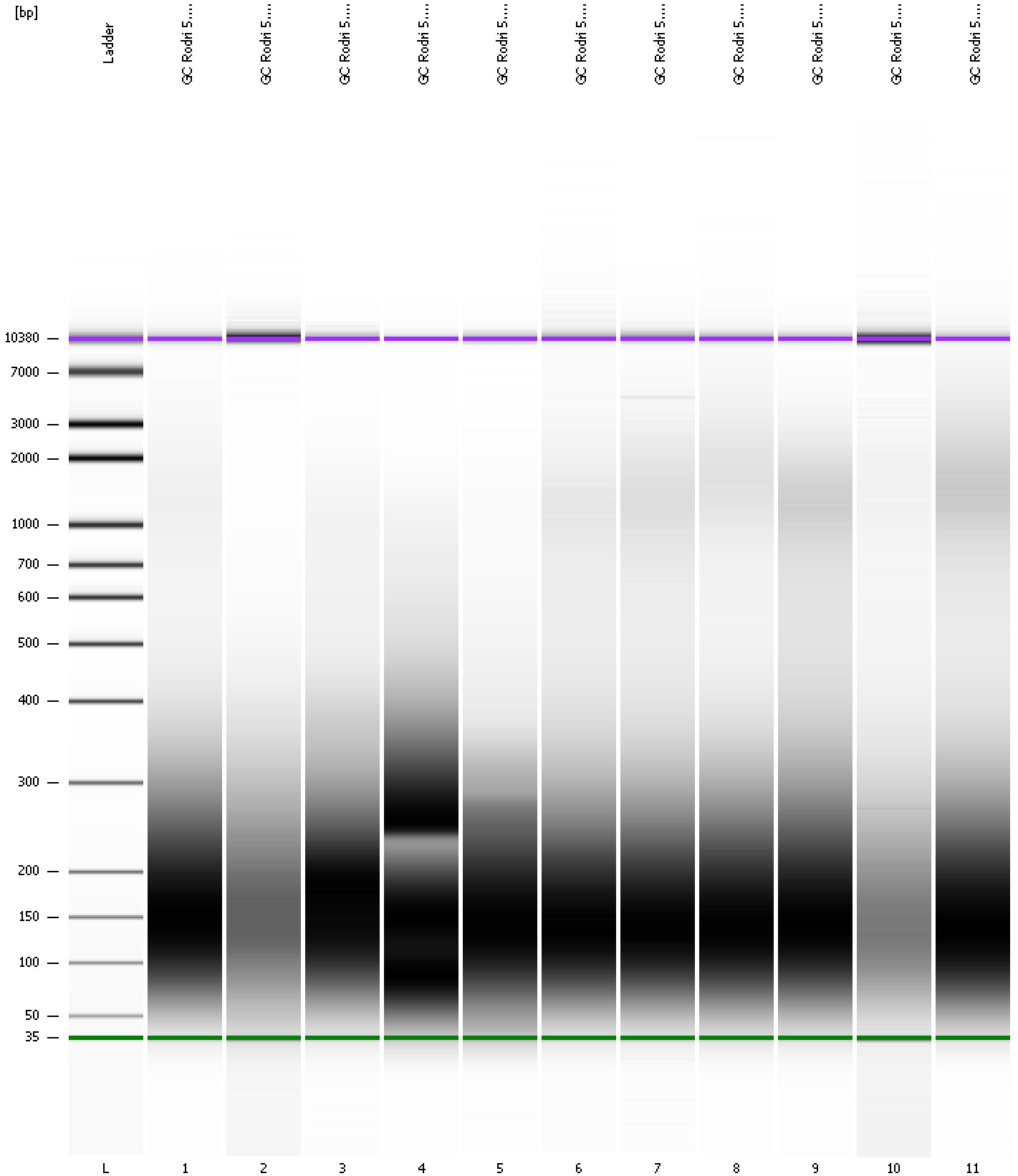
... Region table for sample 11 : GC Rodri 5.29-11

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 42 | 392 | 175 | 217,979.3 | 18,501.34 | 9,353.1 | 88 | 45.2 | ■ |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
Modified: 5/30/2013 1:41:55 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad

Created: 5/30/2013 10:36:14 AM
 Modified: 5/30/2013 1:41:55 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 | | 5/30/2013 11:17:34 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-05-30\2013-05-30_001.xad) | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 5/30/2013 10:36:19 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |