| | | | |
|---|---|---|---|
| Assay Class: | High Sensitivity DNA Assay | Created: | 7/19/2012 2:20:48 PM |
| Data Path: | C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad | Modified: | 7/19/2012 3:03:06 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

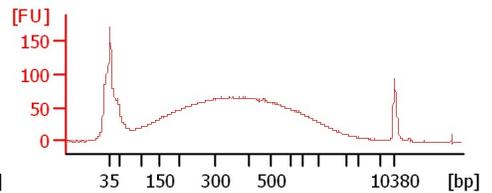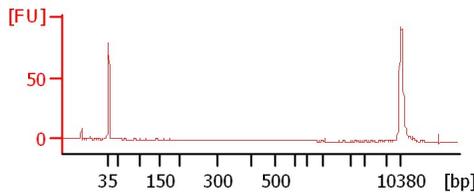Assay Comments:    Copyright © 2003-2010 Agilent Technologies
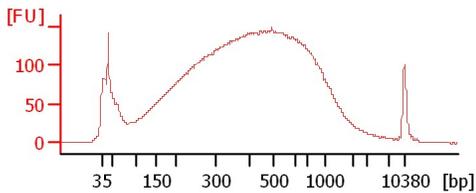
Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:
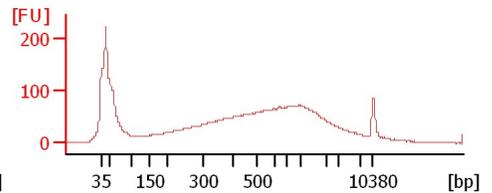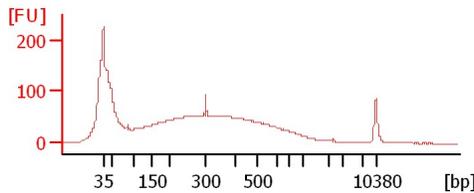


**P66-6 Soni 9Cycles 1:12**
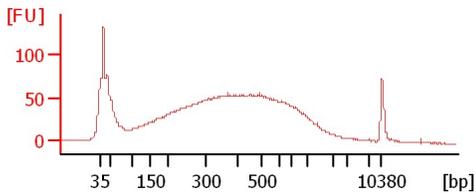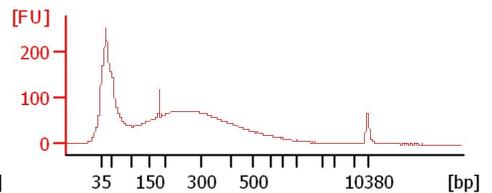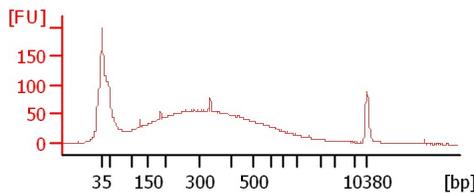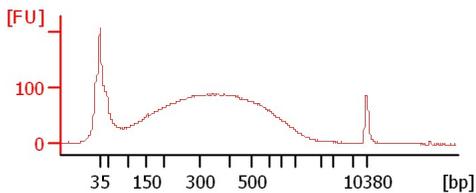
**P66-7 Soni 9Cycles**

**P66-8 Soni 9Cycles 1:9**

**P66-9 Soni 9Cycles**

**P66-10 Soni 9Cycles 1:2**

**P66-11 Soni 9Cycles 1:6**

**P66-12 Soni 9Cycles 1:12**

**P66-13 Soni 9Cycles 1:3**

**P66-14 Soni 9Cycles 1:6**

**P66-15 Soni 9Cycles 1:2**

**HD-469 DNA 1:2**
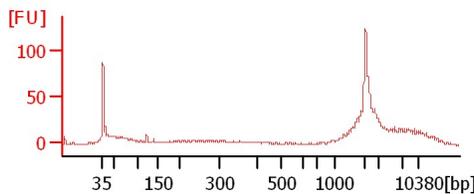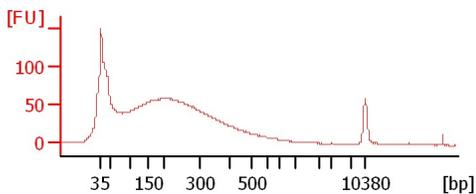
**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---|---|---|---|---|---|---|
| P66-6 Soni 9Cycles 1:12 | | ☐ | ✔ | | | |
| P66-7 Soni 9Cycles | | ☐ | ✔ | | | |
| P66-8 Soni 9Cycles 1:9 | | ☐ | ✔ | | | |
| P66-9 Soni 9Cycles | | ☐ | ✔ | | | |
| P66-10 Soni 9Cycles 1:2 | | ☐ | ✔ | | | |
| P66-11 Soni 9Cycles 1:6 | | ☐ | ✔ | | | |
| P66-12 Soni 9Cycles 1:12 | | ☐ | ✔ | | | |
| P66-13 Soni 9Cycles 1:3 | | ☐ | ✔ | | | |
| P66-14 Soni 9Cycles 1:6 | | ☐ | ✔ | | | |
| P66-15 Soni 9Cycles 1:2 | | ☐ | ✔ | | | |
| HD-469 DNA 1:2 | | ☐ | ✔ | | | |
| Ladder | | ☐ | ✔ | | | |

**Chip Lot #**                          **Reagent Kit Lot #**

**Chip Comments :**

| Assay Class: | High Sensitivity DNA Assay | | Created: | 7/19/2012 2:20:48 PM |
| Data Path: | C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad | | Modified: | 7/19/2012 3:03:06 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\2012-07-19\2012-07-19_005.xad

Created: 7/19/2012 2:20:48 PM
Modified: 7/19/2012 3:03:06 PM

**Electropherogram Summary**
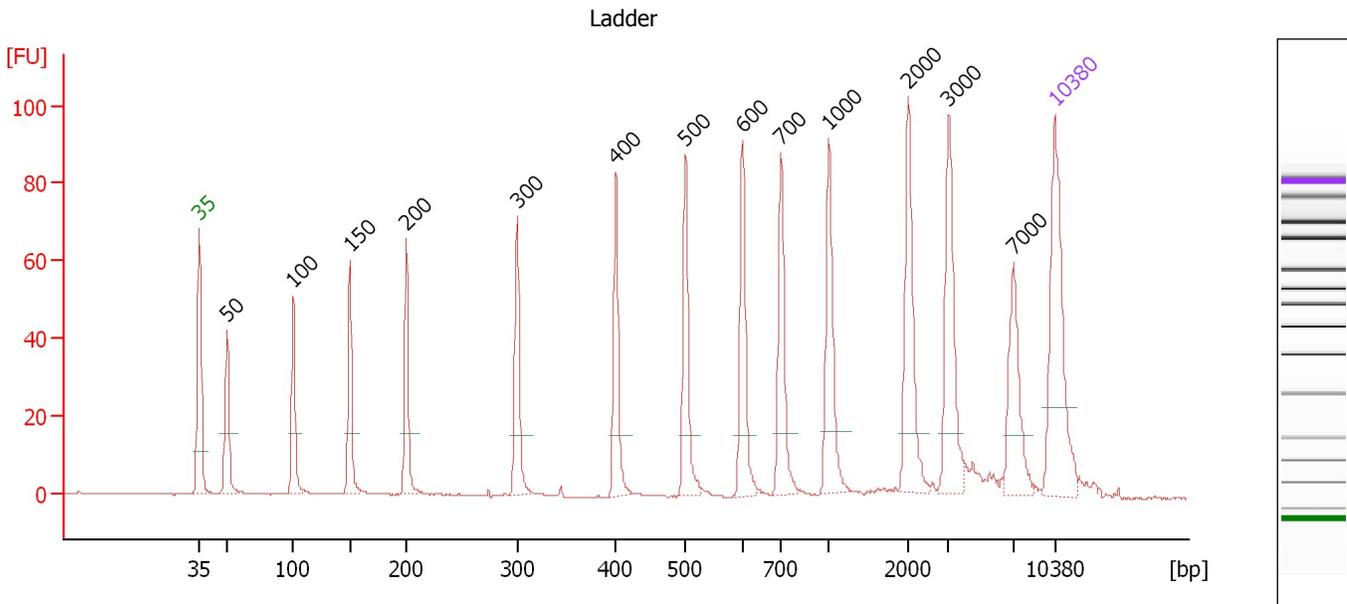


## Overall Results for Ladder

Noise: 0.2

## Peak table for Ladder

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

**Electropherogram Summary Continued ...**



P66-6 Soni 9Cycles 1:12

## Overall Results for sample 1 :     P66-6 Soni 9Cycles 1:12

| | | | |
|---|---|---|---|
| Number of peaks found: | 33 | Corr. Area 1: | 6,943.9 |
| Noise: | 0.3 | | |

## Peak table for sample 1 :     P66-6 Soni 9Cycles 1:12

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 43 | 551.98 | 19,403.4 | |
| 3 | 58 | 162.93 | 4,220.6 | |
| 4 | 181 | 487.64 | 4,088.8 | |
| 5 | 203 | 284.41 | 2,118.0 | |
| 6 | 233 | 382.10 | 2,487.5 | |
| 7 | 259 | 313.73 | 1,834.3 | |
| 8 | 276 | 307.14 | 1,686.5 | |
| 9 | 292 | 258.01 | 1,337.6 | |
| 10 | 313 | 347.73 | 1,684.0 | |
| 11 | 329 | 155.89 | 719.0 | |
| 12 | 338 | 155.64 | 697.2 | |
| 13 | 346 | 121.85 | 533.9 | |
| 14 | 352 | 139.65 | 600.7 | |
| 15 | 377 | 145.52 | 585.6 | |
| 16 | 389 | 119.52 | 465.6 | |
| 17 | 396 | 110.67 | 423.5 | |
| 18 | 405 | 110.14 | 412.1 | |
| 19 | 420 | 126.15 | 454.8 | |
| 20 | 432 | 116.90 | 409.5 | |
| 21 | 444 | 108.45 | 370.1 | |
| 22 | 491 | 214.47 | 662.2 | |
| 23 | 514 | 118.35 | 349.0 | |
| 24 | 544 | 104.04 | 290.0 | |
| 25 | 559 | 114.28 | 309.6 | |
| 26 | 589 | 120.19 | 309.2 | |

Assay Class:      High Sensitivity DNA Assay
Data Path:        C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad

Created:    7/19/2012 2:20:48 PM
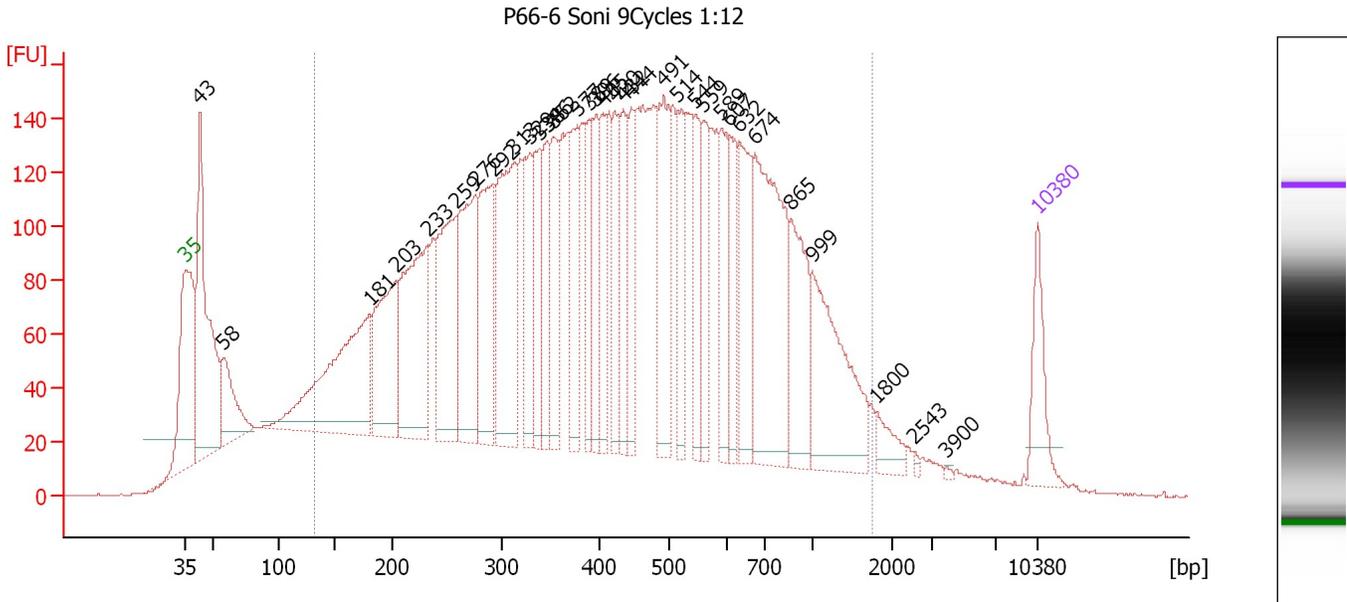Modified:   7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 1  :        P66-6 Soni 9Cycles 1:12**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 607       | 103.19        | 257.5             |              |
| 28   | 632       | 169.57        | 406.3             |              |
| 29   | 674       | 395.61        | 889.2             |              |
| 30   | 865       | 160.92        | 281.8             |              |
| 31   | 999       | 245.95        | 373.1             |              |
| 32   | 1,800     | 36.33         | 30.6              |              |
| 33   | 2,543     | 3.99          | 2.4               |              |
| 34   | 3,900     | 2.33          | 0.9               |              |
| 35 ▶ | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 1  :        P66-6 Soni 9Cycles 1:12**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|------------------------------|-------|
| 131       | 1,756   | 481               | 38,708.7          | 8,263.10      | 6,943.9    | 86         | 57.9                         | ■     |

Assay Class:      High Sensitivity DNA Assay
Data Path:        C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad

Created:     7/19/2012 2:20:48 PM
Modified:    7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**



P66-7 Soni 9Cycles

**Overall Results for sample 2 :      P66-7 Soni 9Cycles**

| | | | | |
|---|---|---|---|---|
| Number of peaks found: | 0 | | Corr. Area 1: | 0.5 |
| Noise: | 0.1 | | | |

**Peak table for sample 2 :      P66-7 Soni 9Cycles**

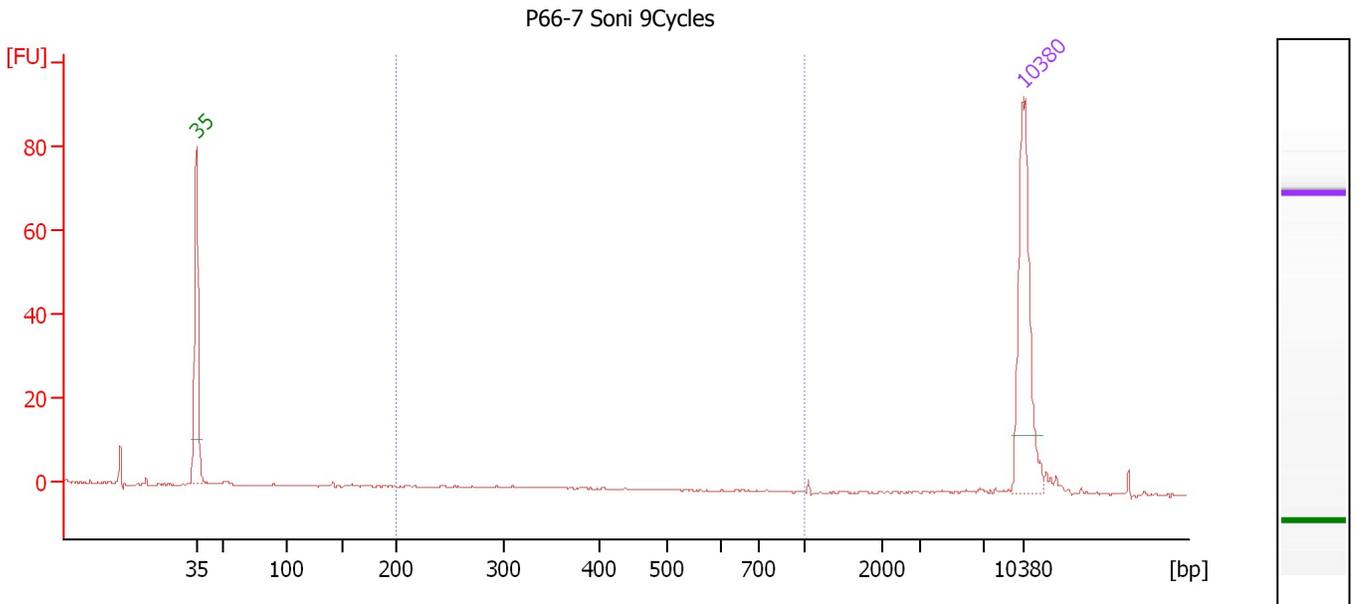| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

**Region table for sample 2 :      P66-7 Soni 9Cycles**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 200 | 1,000 | 358 | 2.7 | 0.58 | 0.5 | 3 | 26.8 | ■ |

**Electropherogram Summary Continued ...**



P66-8 Soni 9Cycles 1:9
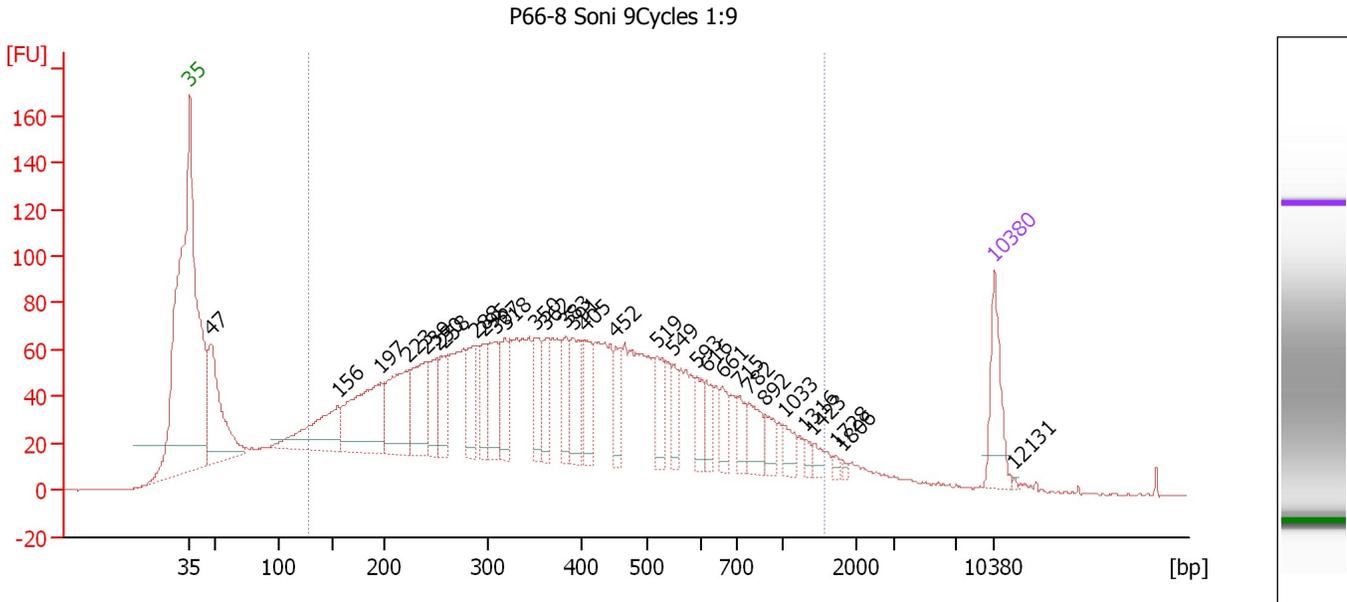
## Overall Results for sample 3 :     P66-8 Soni 9Cycles 1:9

| | | | |
|---|---|---|---|
| Number of peaks found: | 31 | Corr. Area 1: | 3,191.2 |
| Noise: | 0.2 | | |

## Peak table for sample 3  :     P66-8 Soni 9Cycles 1:9

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 47 | 306.46 | 9,823.1 | |
| 3 | | 156 | 181.82 | 1,766.2 | |
| 4 | | 197 | 264.63 | 2,039.4 | |
| 5 | | 223 | 193.88 | 1,320.3 | |
| 6 | | 239 | 155.07 | 981.9 | |
| 7 | | 250 | 82.78 | 500.7 | |
| 8 | | 258 | 84.75 | 498.5 | |
| 9 | | 288 | 91.96 | 484.4 | |
| 10 | | 295 | 63.94 | 328.1 | |
| 11 | | 307 | 102.18 | 504.8 | |
| 12 | | 318 | 87.01 | 414.4 | |
| 13 | | 350 | 83.19 | 360.0 | |
| 14 | | 362 | 63.19 | 264.8 | |
| 15 | | 383 | 69.14 | 273.3 | |
| 16 | | 391 | 93.54 | 362.2 | |
| 17 | | 405 | 74.09 | 277.4 | |
| 18 | | 452 | 57.14 | 191.7 | |
| 19 | | 519 | 69.36 | 202.4 | |
| 20 | | 549 | 38.35 | 105.9 | |
| 21 | | 593 | 46.94 | 119.9 | |
| 22 | | 616 | 39.76 | 97.8 | |
| 23 | | 661 | 41.64 | 95.5 | |
| 24 | | 715 | 37.42 | 79.3 | |
| 25 | | 782 | 53.71 | 104.0 | |
| 26 | | 892 | 32.83 | 55.7 | |

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 :**        **P66-8 Soni 9Cycles 1:9**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 1,033 | 29.12 | 42.7 | |
| 28 | 1,316 | 11.38 | 13.1 | |
| 29 | 1,423 | 15.39 | 16.4 | |
| 30 | 1,728 | 5.67 | 5.0 | |
| 31 | 1,806 | 4.53 | 3.8 | |
| 32 ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 33 | 12,131 | 0.00 | 0.0 | |

**Region table for sample 3 :**        **P66-8 Soni 9Cycles 1:9**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|------------------------------|-------|
| 128 | 1,565 | 429 | 22,685.9 | 4,402.86 | 3,191.2 | 84 | 57.0 | 🟦 |

**Electropherogram Summary Continued ...**
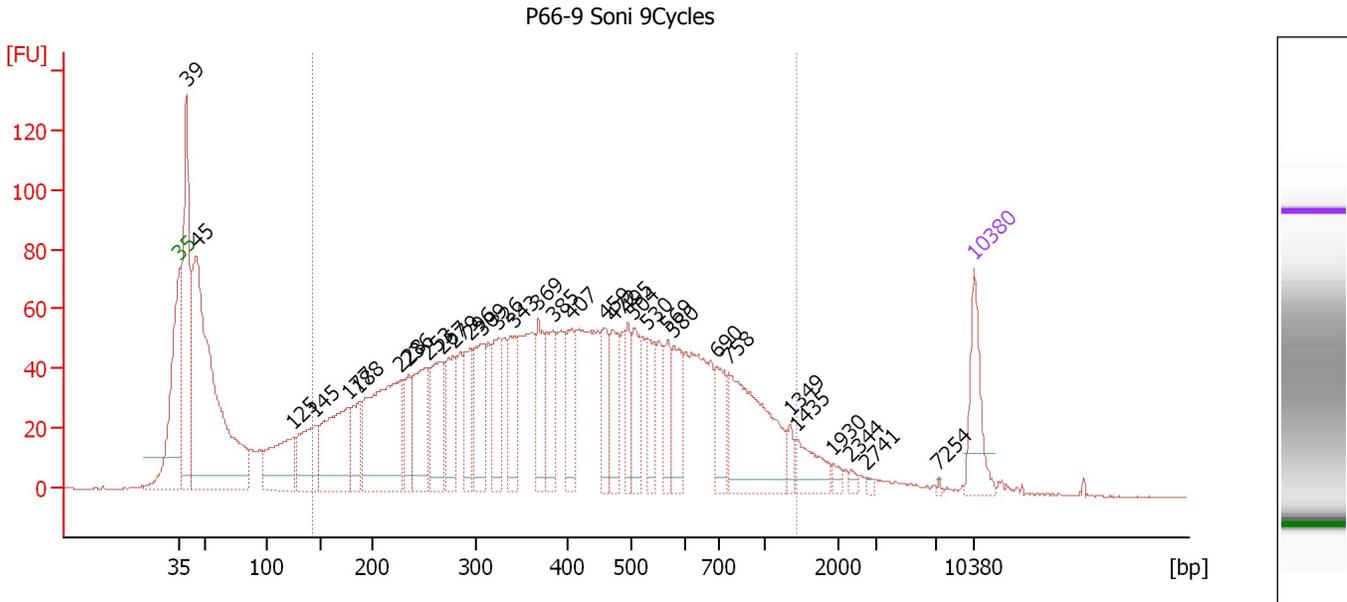


P66-9 Soni 9Cycles

## Overall Results for sample 4 : P66-9 Soni 9Cycles

| | | | |
|---|---|---|---|
| Number of peaks found: | 33 | Corr. Area 1: | 2,528.2 |
| Noise: | 0.2 | | |

## Peak table for sample 4 : P66-9 Soni 9Cycles

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 39 | 483.63 | 18,921.2 | |
| 3 | 45 | 962.54 | 32,678.1 | |
| 4 | 125 | 182.46 | 2,212.1 | |
| 5 | 145 | 151.17 | 1,578.5 | |
| 6 | 177 | 243.59 | 2,090.5 | |
| 7 | 188 | 91.64 | 739.6 | |
| 8 | 228 | 368.74 | 2,453.3 | |
| 9 | 236 | 79.19 | 508.4 | |
| 10 | 253 | 165.35 | 988.3 | |
| 11 | 267 | 153.05 | 867.2 | |
| 12 | 279 | 116.44 | 632.9 | |
| 13 | 296 | 95.65 | 490.0 | |
| 14 | 309 | 135.80 | 666.9 | |
| 15 | 326 | 107.09 | 497.9 | |
| 16 | 343 | 93.71 | 413.6 | |
| 17 | 369 | 103.37 | 424.8 | |
| 18 | 385 | 108.86 | 428.5 | |
| 19 | 407 | 85.34 | 317.4 | |
| 20 | 459 | 77.48 | 255.6 | |
| 21 | 472 | 94.30 | 302.5 | |
| 22 | 495 | 61.75 | 188.9 | |
| 23 | 504 | 73.77 | 221.6 | |
| 24 | 530 | 63.16 | 180.5 | |
| 25 | 569 | 57.84 | 154.0 | |
| 26 | 580 | 77.15 | 201.5 | |

Assay Class:       High Sensitivity DNA Assay                                              Created:     7/19/2012 2:20:48 PM
Data Path:         C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad       Modified:    7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 :        P66-9 Soni 9Cycles**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 690 | 74.07 | 162.7 | |
| 28 | 758 | 246.90 | 493.4 | |
| 29 | 1,349 | 15.97 | 17.9 | |
| 30 | 1,435 | 53.92 | 56.9 | |
| 31 | 1,930 | 9.66 | 7.6 | |
| 32 | 2,344 | 6.71 | 4.3 | |
| 33 | 2,741 | 4.21 | 2.3 | |
| 34 | 7,254 | 2.15 | 0.5 | |
| 35 ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

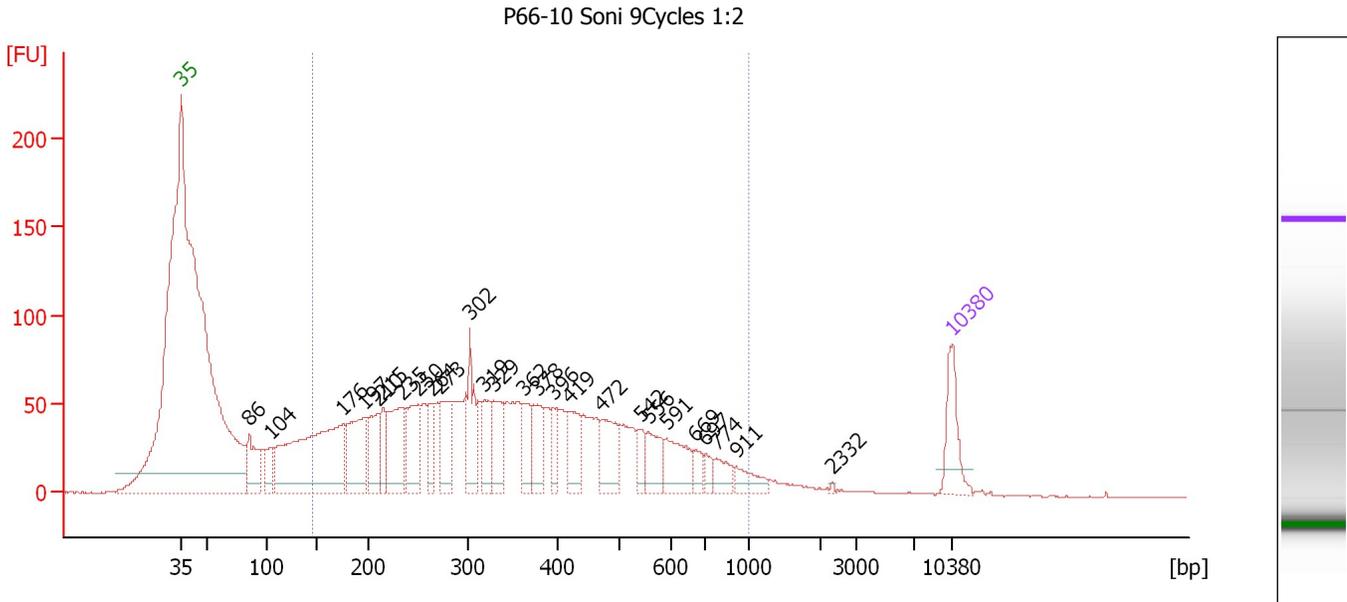**Region table for sample 4 :        P66-9 Soni 9Cycles**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|------------------------------|-------|
| 142 | 1,435 | 452 | 18,841.6 | 3,999.46 | 2,528.2 | 73 | 51.6 | ■ |

**Electropherogram Summary Continued ...**



P66-10 Soni 9Cycles 1:2

### Overall Results for sample 5 :    P66-10 Soni 9Cycles 1:2

| | | | |
|---|---|---|---|
| Number of peaks found: | 26 | Corr. Area 1: | 2,340.4 |
| Noise: | 0.2 | | |

### Peak table for sample 5 :    P66-10 Soni 9Cycles 1:2

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 ◀ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 86 | 134.72 | 2,373.4 | |
| 3 | 104 | 64.00 | 929.0 | |
| 4 | 176 | 576.45 | 4,972.5 | |
| 5 | 197 | 200.09 | 1,542.2 | |
| 6 | 210 | 116.62 | 842.2 | |
| 7 | 215 | 72.27 | 509.0 | |
| 8 | 235 | 170.82 | 1,102.5 | |
| 9 | 250 | 134.14 | 812.5 | |
| 10 | 264 | 69.05 | 395.6 | |
| 11 | 273 | 122.66 | 680.8 | |
| 12 | 302 | 125.53 | 628.9 | |
| 13 | 319 | 86.69 | 412.4 | |
| 14 | 329 | 107.23 | 493.4 | |
| 15 | 362 | 79.68 | 333.4 | |
| 16 | 378 | 91.26 | 365.6 | |
| 17 | 396 | 48.03 | 183.7 | |
| 18 | 419 | 92.67 | 335.1 | |
| 19 | 472 | 107.92 | 346.2 | |
| 20 | 542 | 37.64 | 105.1 | |
| 21 | 556 | 72.20 | 196.8 | |
| 22 | 591 | 93.55 | 239.9 | |
| 23 | 669 | 27.39 | 62.0 | |
| 24 | 697 | 23.10 | 50.2 | |
| 25 | 774 | 39.32 | 76.9 | |
| 26 | 911 | 37.75 | 62.8 | |

Printed: 7/19/2012 3:03:42 PM

Assay Class:     High Sensitivity DNA Assay
Data Path:     C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad

Created:   7/19/2012 2:20:48 PM
Modified:   7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 :     P66-10 Soni 9Cycles 1:2**

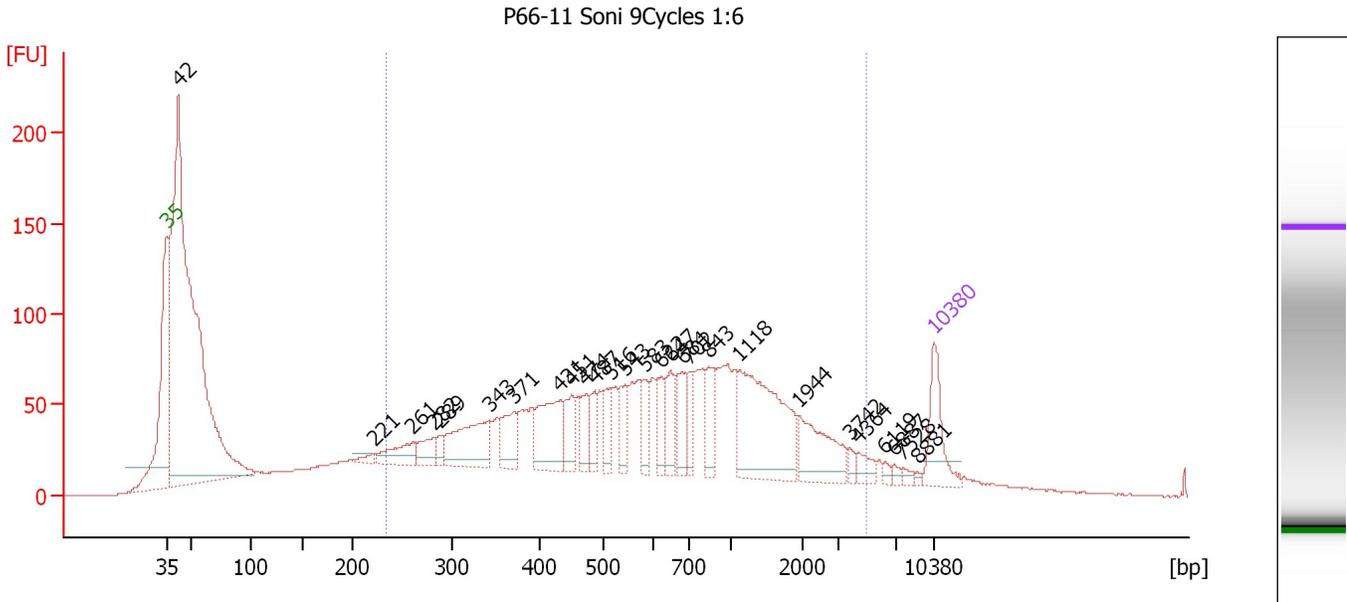| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 27 | 2,332 | 2.00 | 1.3 | |
| 28 ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

**Region table for sample 5 :     P66-10 Soni 9Cycles 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 145 | 1,000 | 372 | 16,616.7 | 3,133.06 | 2,340.4 | 85 | 44.0 | ◼ |

Assay Class:    High Sensitivity DNA Assay
Data Path:    C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad

Created:    7/19/2012 2:20:48 PM
Modified:    7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

P66-11 Soni 9Cycles 1:6

**Overall Results for sample 6  :**    **P66-11 Soni 9Cycles 1:6**

| | | | |
|---|---|---|---|
| Number of peaks found: | 27 | Corr. Area 1: | 2,567.2 |
| Noise: | 0.2 | | |

**Peak table for sample 6  :**    **P66-11 Soni 9Cycles 1:6**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 42 | 2,054.18 | 74,534.5 | |
| 3 | 221 | 14.11 | 96.7 | |
| 4 | 261 | 68.48 | 398.2 | |
| 5 | 282 | 51.62 | 277.5 | |
| 6 | 289 | 20.63 | 108.2 | |
| 7 | 343 | 160.67 | 710.5 | |
| 8 | 371 | 78.94 | 322.6 | |
| 9 | 431 | 144.58 | 508.4 | |
| 10 | 451 | 62.68 | 210.8 | |
| 11 | 474 | 46.79 | 149.7 | |
| 12 | 487 | 48.08 | 149.5 | |
| 13 | 516 | 55.34 | 162.4 | |
| 14 | 543 | 55.39 | 154.5 | |
| 15 | 583 | 43.60 | 113.4 | |
| 16 | 622 | 43.89 | 106.9 | |
| 17 | 647 | 62.15 | 145.6 | |
| 18 | 684 | 60.06 | 133.1 | |
| 19 | 702 | 44.09 | 95.2 | |
| 20 | 843 | 62.07 | 111.5 | |
| 21 | 1,118 | 268.26 | 363.6 | |
| 22 | 1,944 | 103.42 | 80.6 | |
| 23 | 3,742 | 10.84 | 4.4 | |
| 24 | 4,364 | 21.49 | 7.5 | |
| 25 | 6,119 | 7.47 | 1.8 | |
| 26 | 6,887 | 6.98 | 1.5 | |

Assay Class:     High Sensitivity DNA Assay                                        Created:      7/19/2012 2:20:48 PM
Data Path:       C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad       Modified:     7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 6  :       P66-11 Soni 9Cycles 1:6**

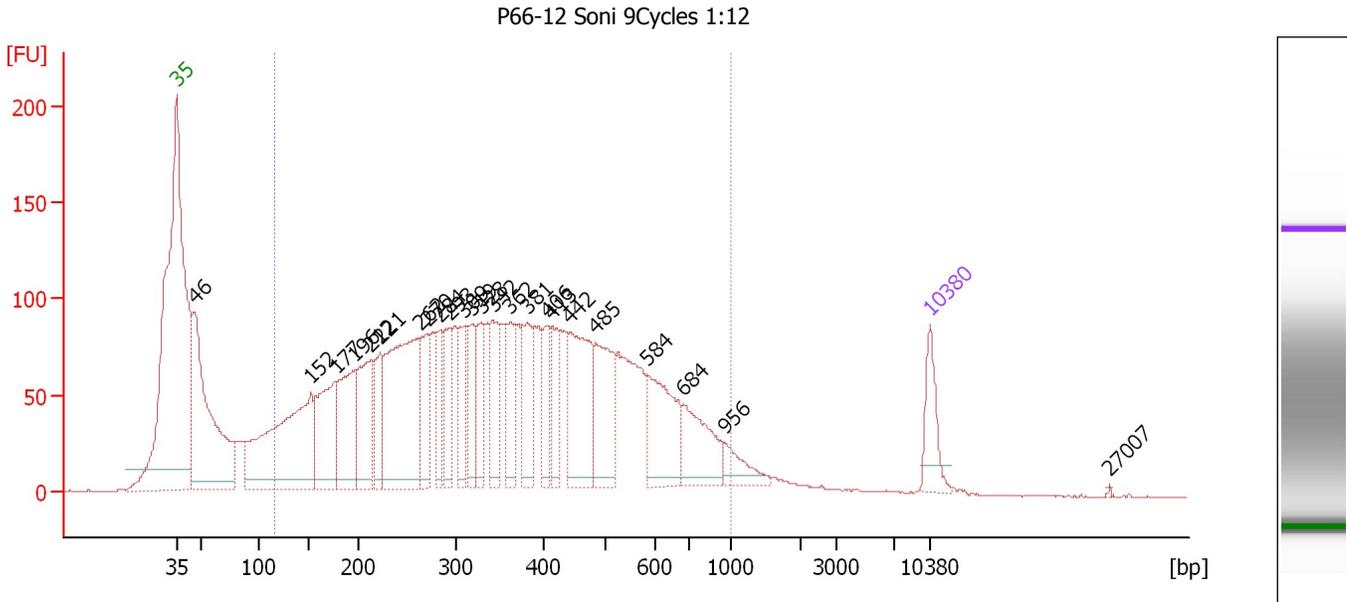| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 27 | 7,528 | 7.03 | 1.4 | |
| 28 | 8,881 | 4.07 | 0.7 | |
| 29 ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

**Region table for sample 6  :       P66-11 Soni 9Cycles 1:6**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 235 | 4,854 | 880 | 8,498.9 | 2,767.86 | 2,567.2 | 59 | 86.7 | 🟦 |

**Electropherogram Summary Continued ...**



P66-12 Soni 9Cycles 1:12

## Overall Results for sample 7 :     P66-12 Soni 9Cycles 1:12

| | | | |
|---|---|---|---|
| Number of peaks found: | 24 | Corr. Area 1: | 4,080.1 |
| Noise: | 0.3 | | |

## Peak table for sample 7 :     P66-12 Soni 9Cycles 1:12

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◀ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 46 | 719.33 | 23,624.6 | |
| 3 | | 152 | 669.32 | 6,693.3 | |
| 4 | | 177 | 293.70 | 2,518.7 | |
| 5 | | 196 | 270.38 | 2,090.6 | |
| 6 | | 212 | 236.29 | 1,687.2 | |
| 7 | | 221 | 138.80 | 949.8 | |
| 8 | | 262 | 549.27 | 3,181.0 | |
| 9 | | 270 | 149.59 | 840.2 | |
| 10 | | 284 | 116.25 | 620.4 | |
| 11 | | 293 | 115.11 | 596.1 | |
| 12 | | 309 | 128.04 | 628.3 | |
| 13 | | 319 | 126.14 | 600.0 | |
| 14 | | 328 | 124.22 | 573.3 | |
| 15 | | 342 | 151.74 | 672.8 | |
| 16 | | 362 | 115.07 | 481.8 | |
| 17 | | 381 | 143.31 | 570.3 | |
| 18 | | 406 | 89.90 | 335.8 | |
| 19 | | 413 | 113.32 | 415.3 | |
| 20 | | 442 | 278.74 | 955.4 | |
| 21 | | 485 | 219.03 | 683.7 | |
| 22 | | 584 | 212.06 | 550.0 | |
| 23 | | 684 | 158.75 | 351.9 | |
| 24 | | 956 | 57.22 | 90.7 | |
| 25 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 26 | | 27,007 | 0.00 | 0.0 | |

Assay Class:      High Sensitivity DNA Assay      Created:    7/19/2012 2:20:48 PM
Data Path:      C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad      Modified:    7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

**... Region table for sample 7 :**      **P66-12 Soni 9Cycles 1:12**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 115 | 1,000 | 377 | 29,987.8 | 5,427.29 | 4,080.1 | 85 | 45.2 | 🟦 |

Assay Class:    High Sensitivity DNA Assay
Data Path:      C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad

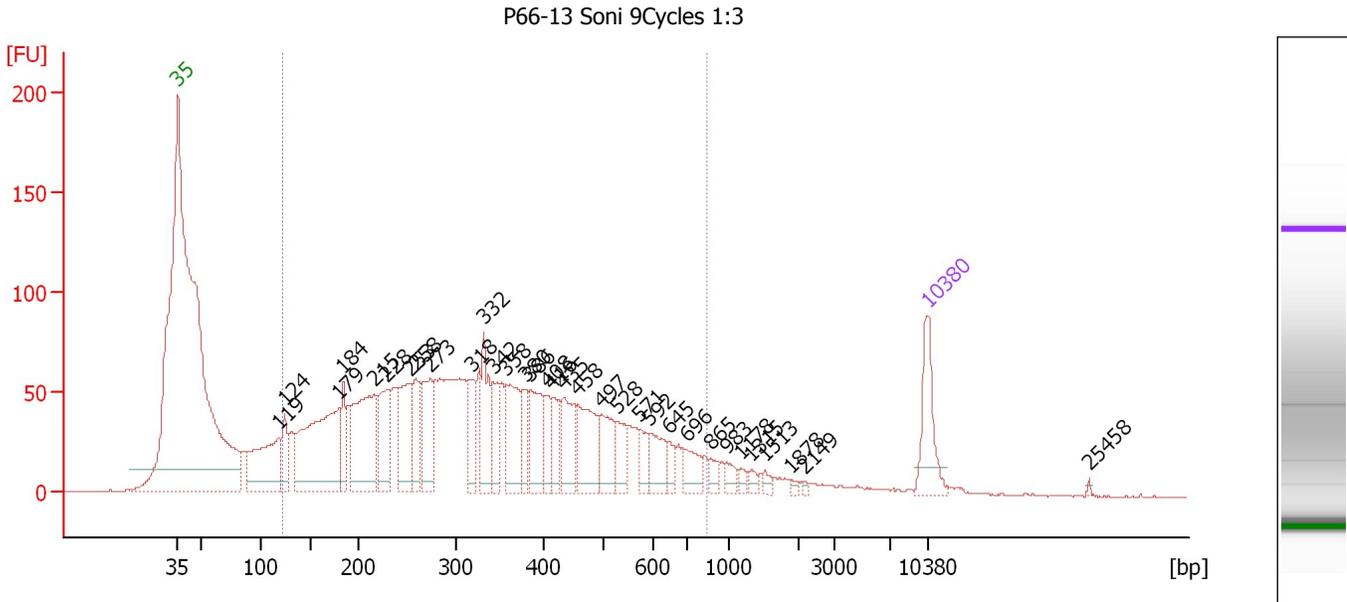Created:    7/19/2012 2:20:48 PM
Modified:   7/19/2012 3:03:06 PM

**Electropherogram Summary Continued ...**

P66-13 Soni 9Cycles 1:3



## Overall Results for sample 8  :   P66-13 Soni 9Cycles 1:3

| | | | |
|---|---|---|---|
| Number of peaks found: | 33 | Corr. Area 1: | 2,498.1 |
| Noise: | 0.3 | | |

## Peak table for sample 8  :   P66-13 Soni 9Cycles 1:3

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 119 | 213.69 | 2,730.4 | |
| 3 | | 124 | 71.56 | 871.3 | |
| 4 | | 179 | 370.09 | 3,131.0 | |
| 5 | | 184 | 74.05 | 610.0 | |
| 6 | | 215 | 259.66 | 1,826.8 | |
| 7 | | 228 | 125.08 | 829.5 | |
| 8 | | 253 | 157.93 | 945.7 | |
| 9 | | 258 | 77.89 | 456.6 | |
| 10 | | 273 | 123.79 | 686.5 | |
| 11 | | 318 | 73.51 | 350.5 | |
| 12 | | 332 | 108.55 | 495.6 | |
| 13 | | 342 | 63.13 | 279.4 | |
| 14 | | 358 | 125.57 | 531.1 | |
| 15 | | 380 | 54.29 | 216.6 | |
| 16 | | 386 | 104.32 | 409.7 | |
| 17 | | 408 | 45.04 | 167.3 | |
| 18 | | 416 | 43.61 | 159.0 | |
| 19 | | 435 | 92.76 | 323.3 | |
| 20 | | 458 | 116.76 | 386.0 | |
| 21 | | 497 | 76.04 | 232.0 | |
| 22 | | 528 | 47.05 | 135.1 | |
| 23 | | 571 | 33.48 | 88.9 | |
| 24 | | 592 | 53.79 | 137.7 | |
| 25 | | 645 | 21.69 | 51.0 | |
| 26 | | 696 | 44.58 | 97.1 | |

**Electropherogram Summary Continued ...**

**... Peak table for sample 8  :        P66-13 Soni 9Cycles 1:3**

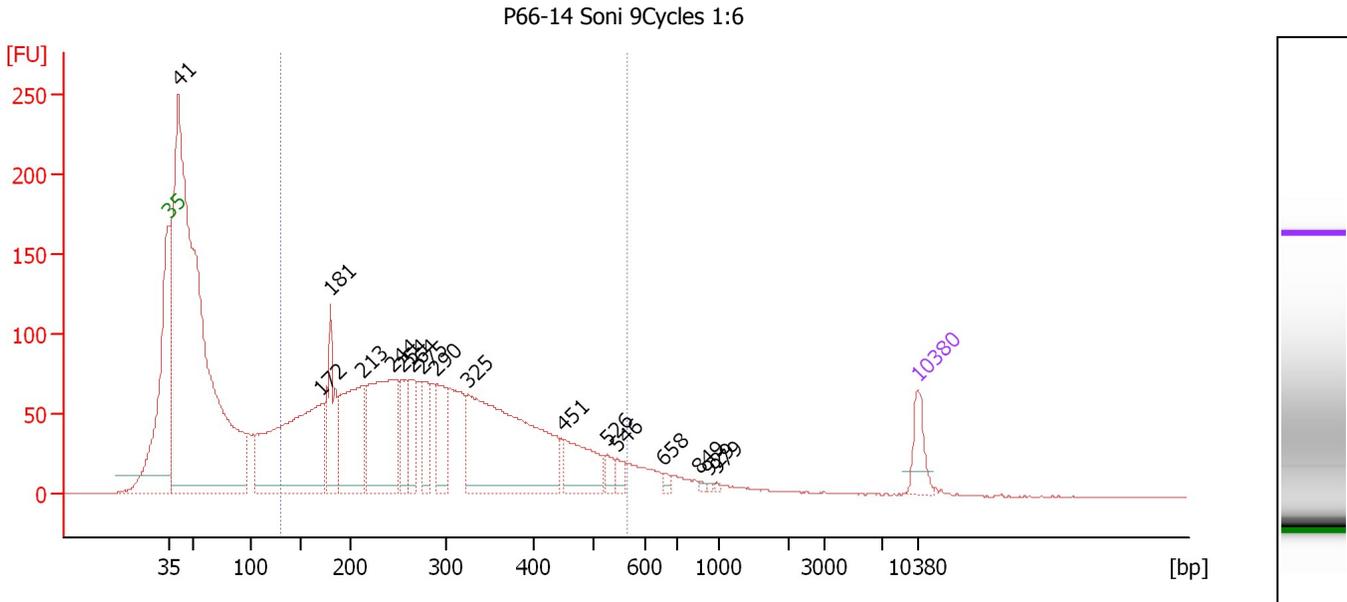| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 27 | 865 | 17.79 | 31.2 | |
| 28 | 983 | 16.30 | 25.1 | |
| 29 | 1,178 | 9.80 | 12.6 | |
| 30 | 1,315 | 9.72 | 11.2 | |
| 31 | 1,513 | 9.60 | 9.6 | |
| 32 | 1,878 | 4.51 | 3.6 | |
| 33 | 2,149 | 3.21 | 2.3 | |
| 34 ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 35 | 25,458 | 0.00 | 0.0 | |

**Region table for sample 8  :        P66-13 Soni 9Cycles 1:3**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 122 | 843 | 349 | 18,013.9 | 3,136.81 | 2,498.1 | 88 | 42.3 | ■ |

**Electropherogram Summary Continued ...**



P66-14 Soni 9Cycles 1:6

## Overall Results for sample 9 :  P66-14 Soni 9Cycles 1:6

| | | | |
|---|---|---|---|
| Number of peaks found: | 17 | Corr. Area 1: | 2,632.4 |
| Noise: | 0.2 | | |

## Peak table for sample 9 :  P66-14 Soni 9Cycles 1:6

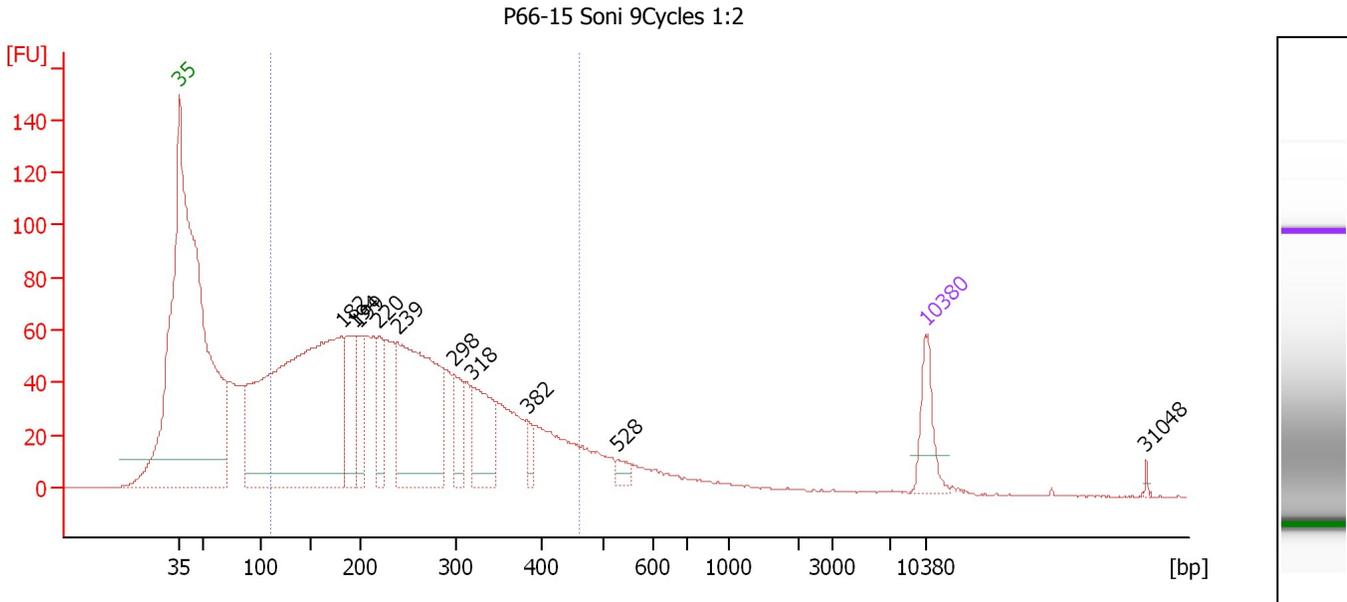| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 41 | 4,246.79 | 155,978.3 | |
| 3 | | 172 | 1,063.16 | 9,389.6 | |
| 4 | | 181 | 283.67 | 2,378.5 | |
| 5 | | 213 | 495.64 | 3,531.8 | |
| 6 | | 244 | 650.58 | 4,035.0 | |
| 7 | | 254 | 153.23 | 915.6 | |
| 8 | | 264 | 129.16 | 739.9 | |
| 9 | | 275 | 151.90 | 835.7 | |
| 10 | | 290 | 212.75 | 1,113.1 | |
| 11 | | 325 | 1,020.99 | 4,767.2 | |
| 12 | | 451 | 208.67 | 700.6 | |
| 13 | | 526 | 40.27 | 115.9 | |
| 14 | | 546 | 35.13 | 97.6 | |
| 15 | | 658 | 14.92 | 34.4 | |
| 16 | | 849 | 7.34 | 13.1 | |
| 17 | | 929 | 5.24 | 8.5 | |
| 18 | | 979 | 4.97 | 7.7 | |
| 19 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

## Region table for sample 9 :  P66-14 Soni 9Cycles 1:6

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 130 | 568 | 292 | 30,246.9 | 4,825.10 | 2,632.4 | 55 | 35.3 | ■ |

**Electropherogram Summary Continued ...**



P66-15 Soni 9Cycles 1:2

## Overall Results for sample 10 :     P66-15 Soni 9Cycles 1:2

| | | | |
|---|---|---|---|
| Number of peaks found: | 10 | Corr. Area 1: | 2,029.6 |
| Noise: | 0.2 | | |

## Peak table for sample 10 :     P66-15 Soni 9Cycles 1:2

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◄ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 182 | 1,530.70 | 12,776.4 | |
| 3 | | 194 | 196.48 | 1,534.8 | |
| 4 | | 199 | 120.23 | 916.2 | |
| 5 | | 220 | 111.83 | 771.4 | |
| 6 | | 239 | 645.12 | 4,092.1 | |
| 7 | | 298 | 113.57 | 578.3 | |
| 8 | | 318 | 185.32 | 882.4 | |
| 9 | | 382 | 32.30 | 128.0 | |
| 10 | | 528 | 23.73 | 68.1 | |
| 11 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 12 | | 31,048 | 0.00 | 0.0 | |

## Region table for sample 10 :     P66-15 Soni 9Cycles 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 109 | 461 | 246 | 28,347.4 | 3,790.87 | 2,029.6 | 80 | 35.3 | ■ |

**Electropherogram Summary Continued ...**



HD-469 DNA 1:2
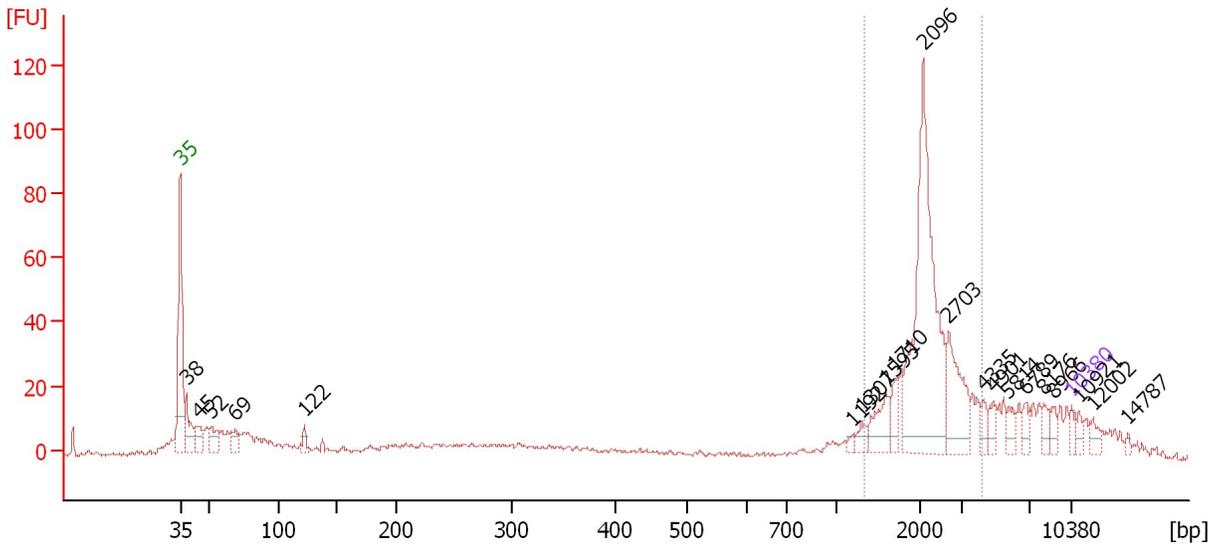
**Overall Results for sample 11  :   HD-469 DNA 1:2**

| Number of peaks found: | 20 | Corr. Area 1: | 324.7 |
|---|---|---|---|
| Noise: | 0.7 | | |

**Peak table for sample 11  :   HD-469 DNA 1:2**

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◀ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 38 | 540.52 | 21,526.4 | |
| 3 | | 45 | 279.32 | 9,470.6 | |
| 4 | | 52 | 322.46 | 9,423.8 | |
| 5 | | 69 | 219.26 | 4,833.5 | |
| 6 | | 122 | 99.80 | 1,237.3 | |
| 7 | | 1,192 | 48.26 | 61.4 | |
| 8 | | 1,307 | 107.69 | 124.9 | |
| 9 | | 1,595 | 324.77 | 308.6 | |
| 10 | | 1,710 | 175.31 | 155.3 | |
| 11 | | 2,096 | 2,425.77 | 1,753.1 | |
| 12 | | 2,703 | 627.73 | 351.9 | |
| 13 | | 4,335 | 100.84 | 35.2 | |
| 14 | | 4,901 | 112.14 | 34.7 | |
| 15 | | 5,814 | 115.24 | 30.0 | |
| 16 | | 6,789 | 108.43 | 24.2 | |
| 17 | | 8,176 | 99.48 | 18.4 | |
| 18 | | 8,966 | 97.58 | 16.5 | |
| 19 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 20 | | 10,921 | 0.00 | 0.0 | |
| 21 | | 12,002 | 0.00 | 0.0 | |
| 22 | | 14,787 | 0.00 | 0.0 | |

**Region table for sample 11  :   HD-469 DNA 1:2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 1,344 | 4,261 | 2,296 | 2,687.8 | 3,889.59 | 324.7 | 65 | 24.8 | ■ |

| | | |
|---|---|---|
| Assay Class: | High Sensitivity DNA Assay | |
| Data Path: | C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad | |

Created: 7/19/2012 2:20:48 PM
Modified: 7/19/2012 3:03:06 PM

**Gel Image**
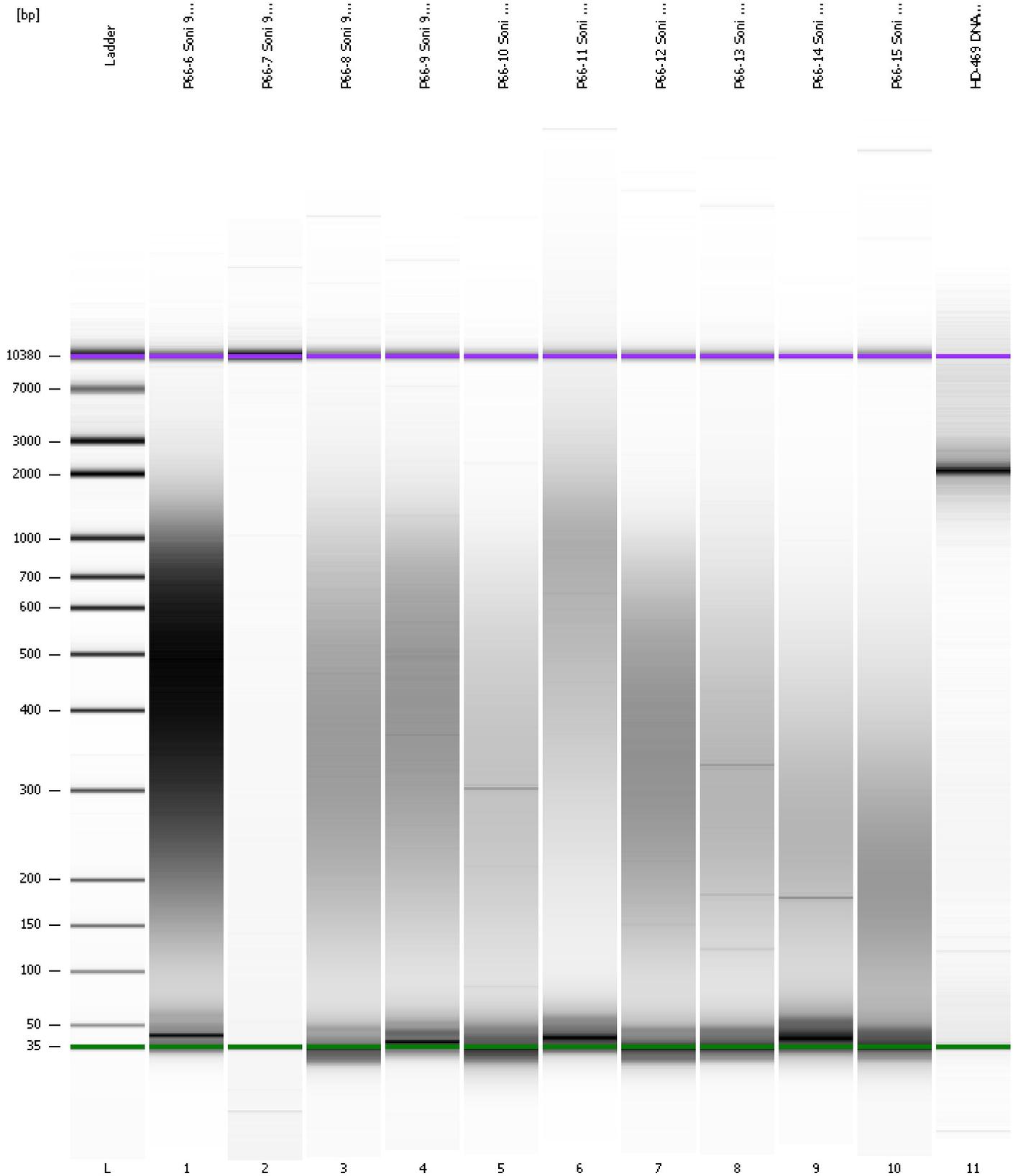
Assay Class:    High Sensitivity DNA Assay                                 Created:    7/19/2012 2:20:48 PM
Data Path:      C:\...ents and Settings\Bioanalyzer\2012-07-19\2012-07-19_005.xad    Modified:   7/19/2012 3:03:06 PM

**Curves**

**Standard Curve**