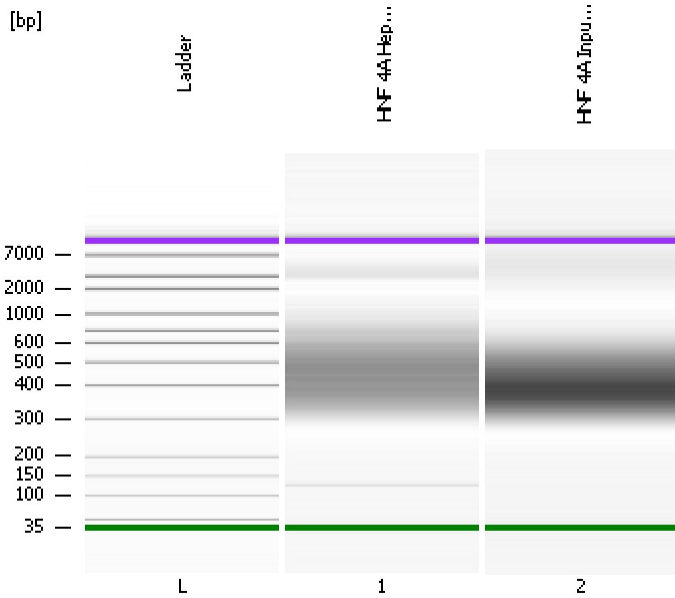


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
Modified: 8/13/2013 5:13:33 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

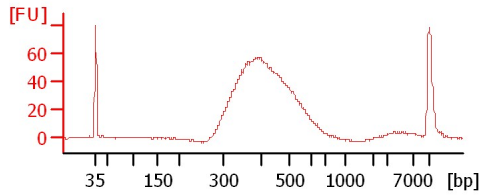
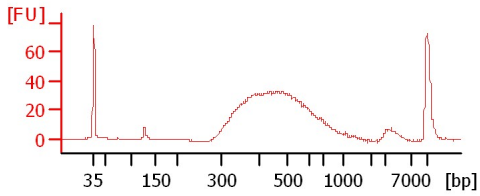
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

HNF 4A Hep G2 ChIP-Seq Lib 1:25

HNF 4A Input ChIP-Seq Lib 1:25



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
 Modified: 8/13/2013 5:13:33 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| HNF 4A Hep G2 ChIP-Seq Lib 1:25 | | <input type="checkbox"/> | ✓ | | | |
| HNF 4A Input ChIP-Seq Lib 1:25 | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
Modified: 8/13/2013 5:13:33 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

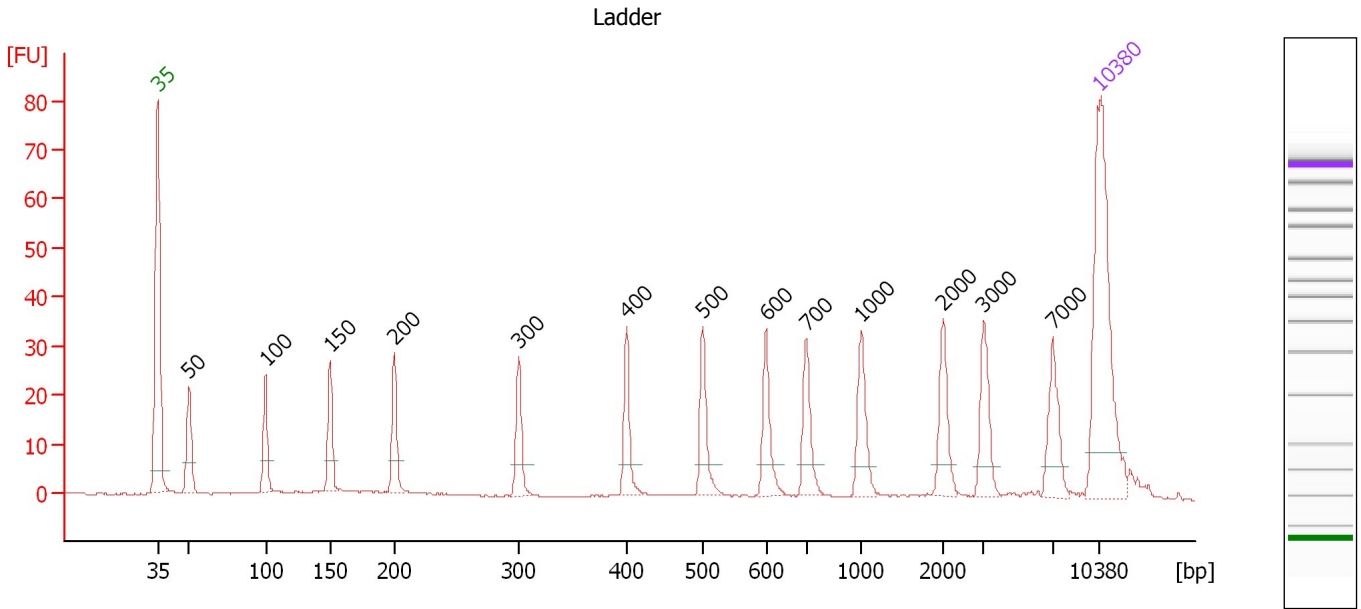
Ladder

| 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:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
 Modified: 8/13/2013 5:13:33 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

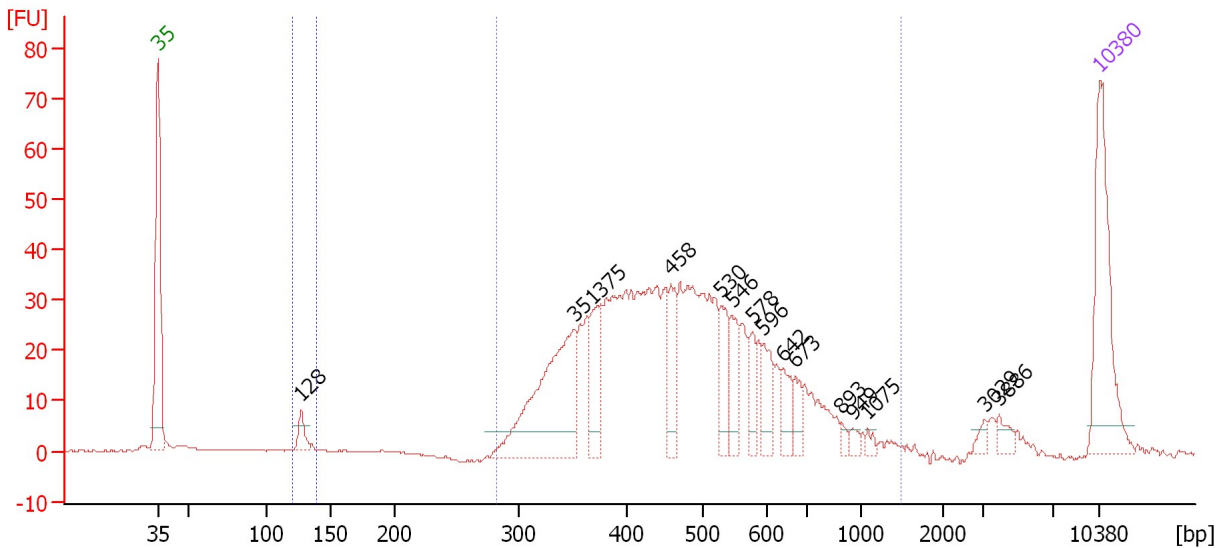
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak |
| 4 | 150 | 150.00 | 1,515.2 | 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:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
 Modified: 8/13/2013 5:13:33 PM

Electropherogram Summary Continued ...

HNF 4A Hep G2 ChIP-Seq Lib 1:25



Overall Results for sample 1 : HNF 4A Hep G2 ChIP-Seq Lib 1:25

Number of peaks found: 15 Corr. Area 1: 707.8
 Noise: 0.2 Corr. Area 2: 9.2

Peak table for sample 1 : HNF 4A Hep G2 ChIP-Seq Lib 1:25

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 128 | 14.57 | 172.8 | |
| 3 | 351 | 153.01 | 659.7 | |
| 4 | 375 | 42.59 | 171.9 | |
| 5 | 458 | 35.95 | 119.1 | |
| 6 | 530 | 29.01 | 83.0 | |
| 7 | 546 | 28.41 | 78.8 | |
| 8 | 578 | 20.46 | 53.6 | |
| 9 | 596 | 24.09 | 61.2 | |
| 10 | 642 | 18.93 | 44.6 | |
| 11 | 673 | 15.42 | 34.7 | |
| 12 | 893 | 4.38 | 7.4 | |
| 13 | 949 | 4.70 | 7.5 | |
| 14 | 1,075 | 3.79 | 5.3 | |
| 15 | 3,029 | 4.84 | 2.4 | |
| 16 | 3,886 | 7.18 | 2.8 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

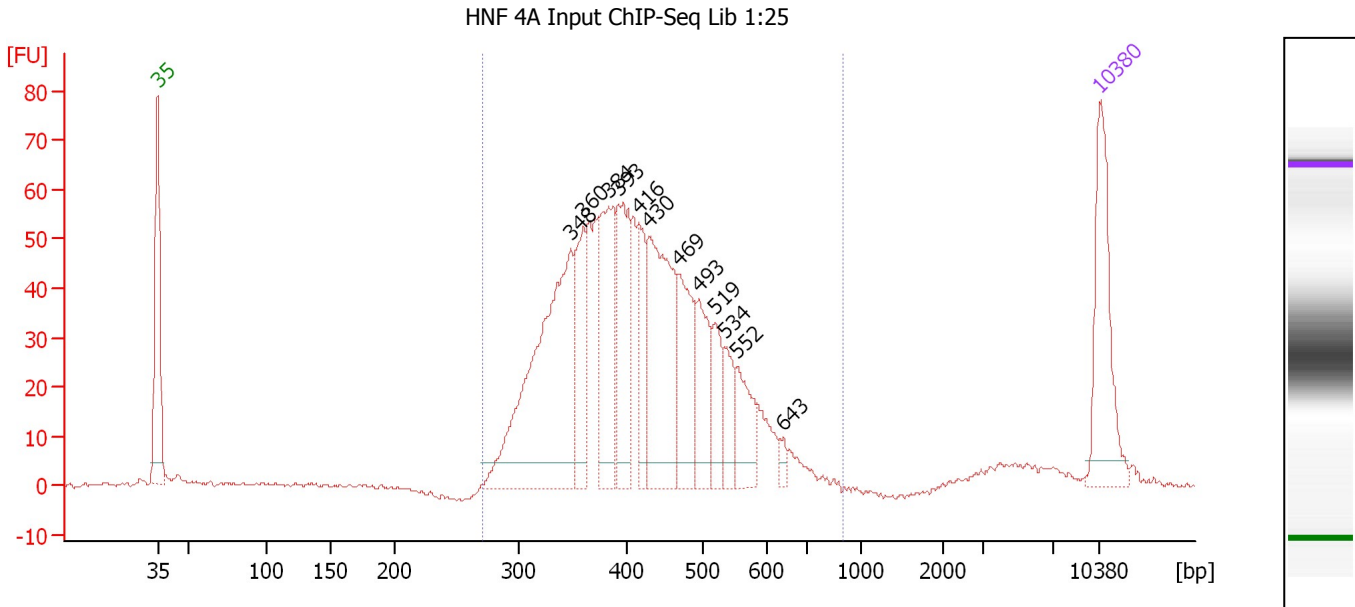
Region table for sample 1 : HNF 4A Hep G2 ChIP-Seq Lib 1:25

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-----------|
| 122 | 140 | 129 | 194.1 | 16.54 | 9.2 | 1 | 2.6 | Blue |
| 282 | 1,488 | 484 | 3,083.3 | 900.20 | 707.8 | 95 | 29.5 | Dark Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
 Modified: 8/13/2013 5:13:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HNF 4A Input ChIP-Seq Lib 1:25

Number of peaks found: 12 Corr. Area 1: 988.5
 Noise: 0.3

Peak table for sample 2 : HNF 4A Input ChIP-Seq Lib 1:25

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 348 | 281.16 | 1,223.0 | |
| 3 | 360 | 74.98 | 315.7 | |
| 4 | 384 | 109.95 | 434.3 | |
| 5 | 393 | 99.67 | 384.6 | |
| 6 | 416 | 50.48 | 183.8 | |
| 7 | 430 | 156.39 | 551.1 | |
| 8 | 469 | 78.27 | 253.1 | |
| 9 | 493 | 60.15 | 184.7 | |
| 10 | 519 | 38.55 | 112.5 | |
| 11 | 534 | 31.97 | 90.7 | |
| 12 | 552 | 43.03 | 118.0 | |
| 13 | 643 | 7.25 | 17.1 | |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker |

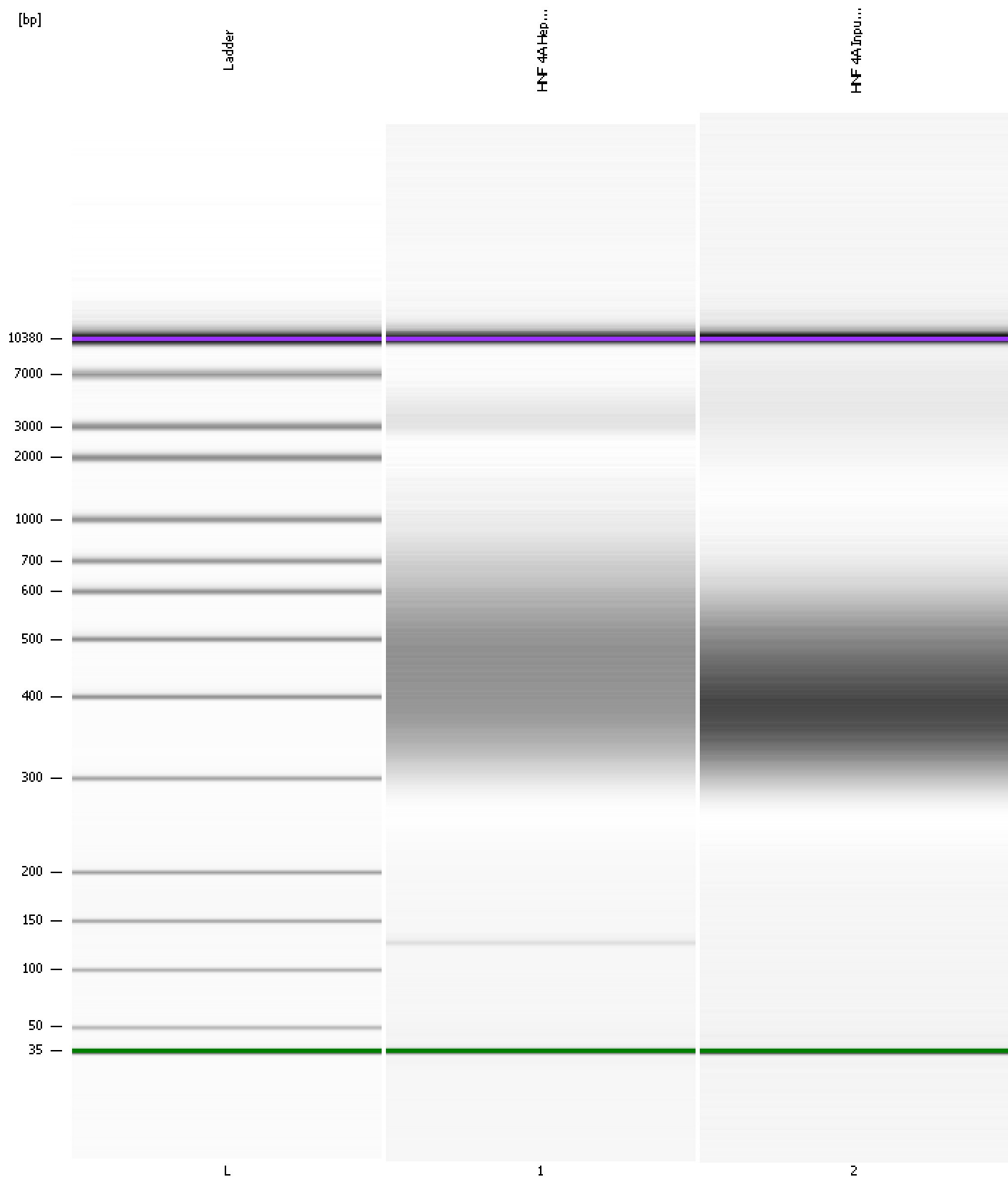
Region table for sample 2 : HNF 4A Input ChIP-Seq Lib 1:25

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 271 | 903 | 424 | 4,526.2 | 1,203.41 | 988.5 | 96 | 20.2 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad

Created: 8/13/2013 4:25:39 PM
Modified: 8/13/2013 5:13:33 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 8/13/2013 4:25:39 PM
 Data Path: C:\...ings\Bioanalyzer\2013-08-13\2013-08-13_003_ChIP_Seq_Lib.xad Modified: 8/13/2013 5:13:33 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 | | 8/13/2013 5:06:58 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-08-13\2013-08-13_003.xad) | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 8/13/2013 4:25:45 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |