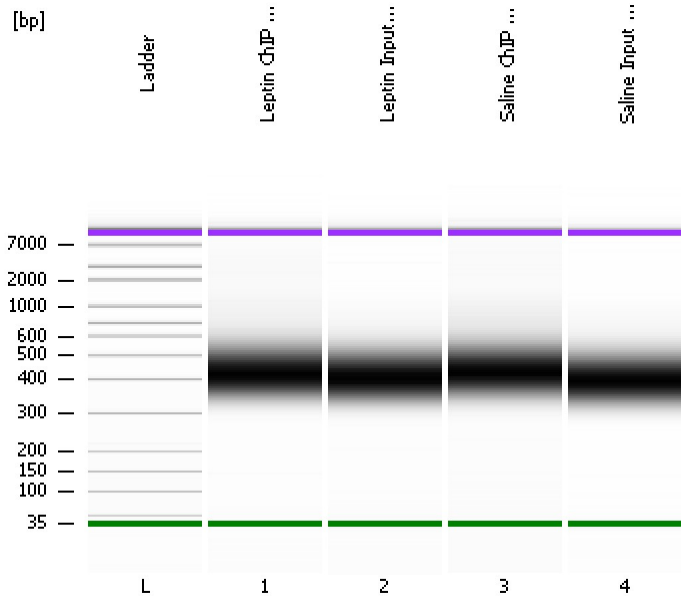


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 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

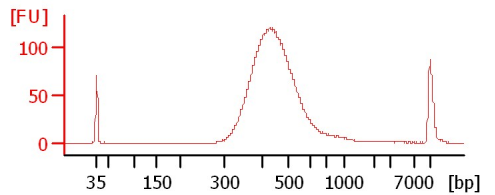
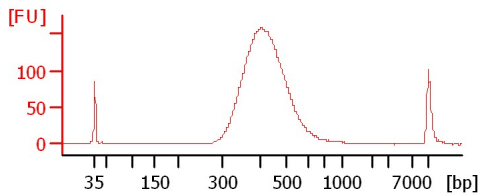
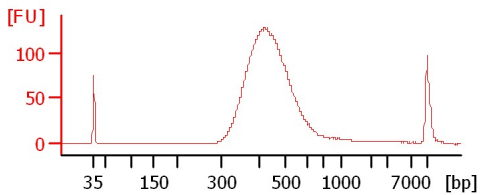
Chip Information:

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

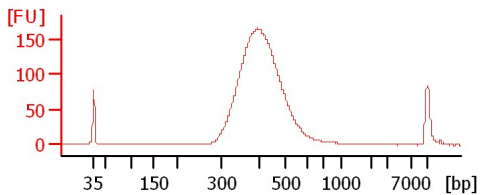
**Leptin ChIP Lib 1:22**

**Leptin Input Lib 1:10**

**Saline ChIP Libn1:16**



**Saline Input Libn1:7**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Leptin ChIP Lib 1:22		<input type="checkbox"/>	✓			
Leptin Input Lib 1:10		<input type="checkbox"/>	✓			
Saline ChIP Libn1:16		<input type="checkbox"/>	✓			
Saline Input Libn1:7		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
Modified: 8/21/2013 2:47:33 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ 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

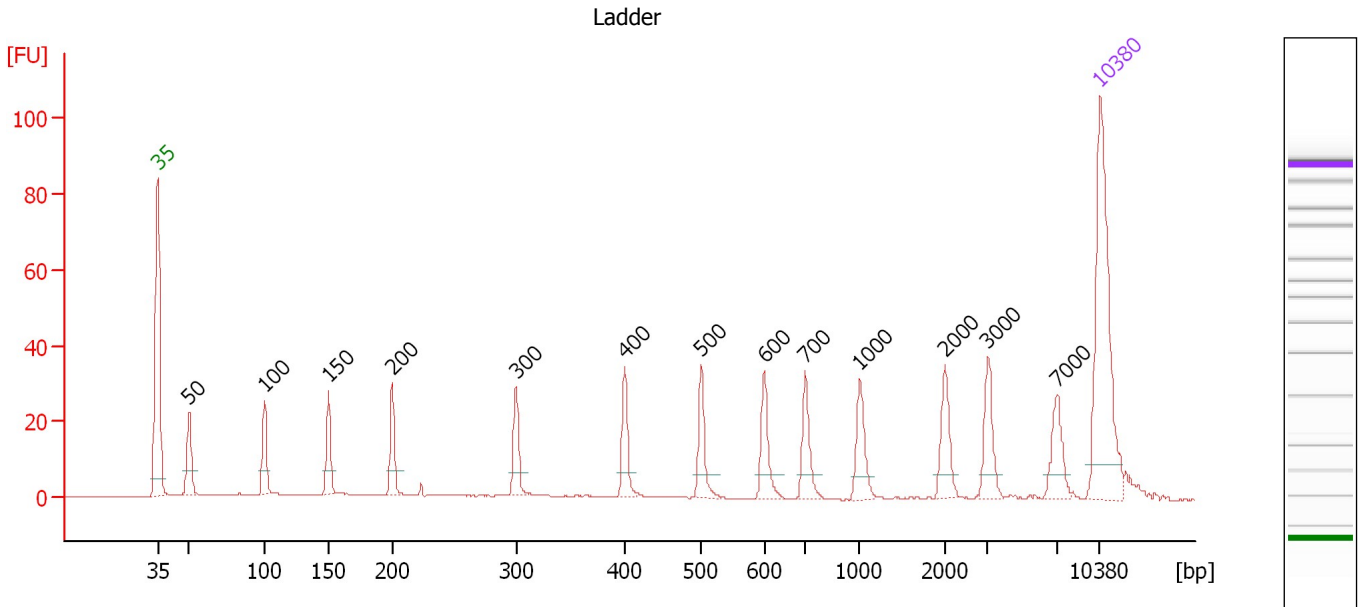
### Ladder

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:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

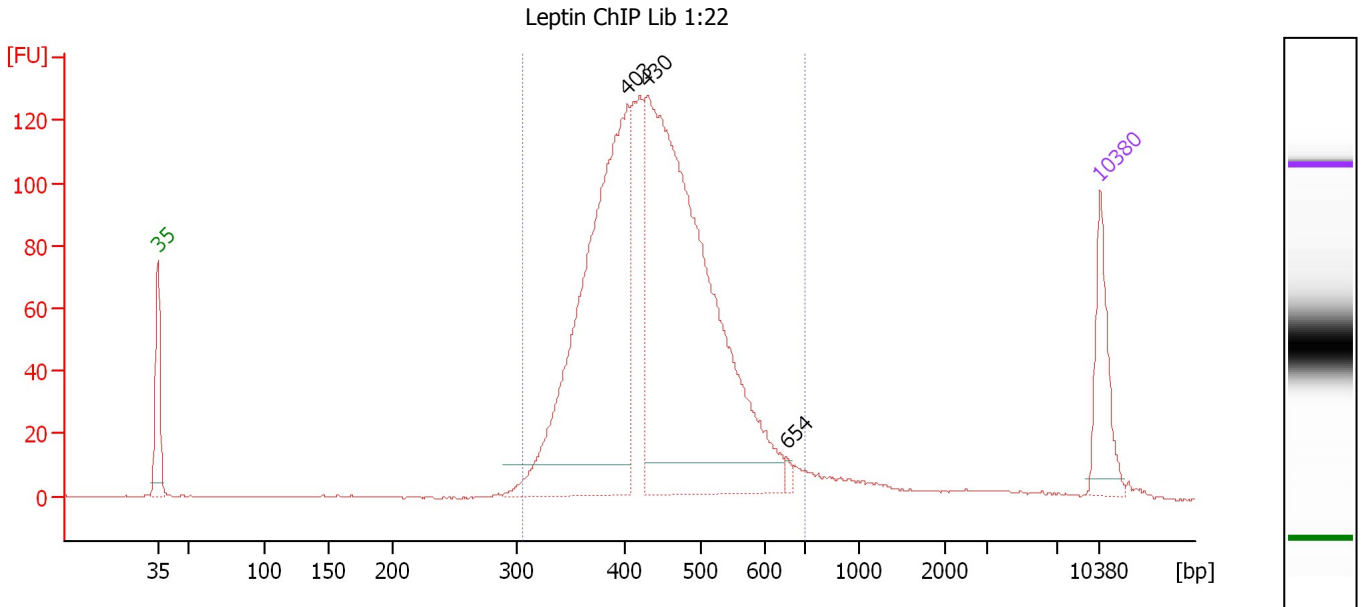
**Peak table for Ladder**

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:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 1 : Leptin ChIP Lib 1:22**

Height Threshold [FU] : 10

**Overall Results for sample 1 : Leptin ChIP Lib 1:22**

Number of peaks found: 3                      Corr. Area 1: 1,741.7  
 Noise: 0.2

**Peak table for sample 1 : Leptin ChIP Lib 1:22**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	403	748.90	2,814.3	
3	430	1,029.30	3,629.1	
4	654	7.37	17.1	
5	10,380	75.00	10.9	Upper Marker

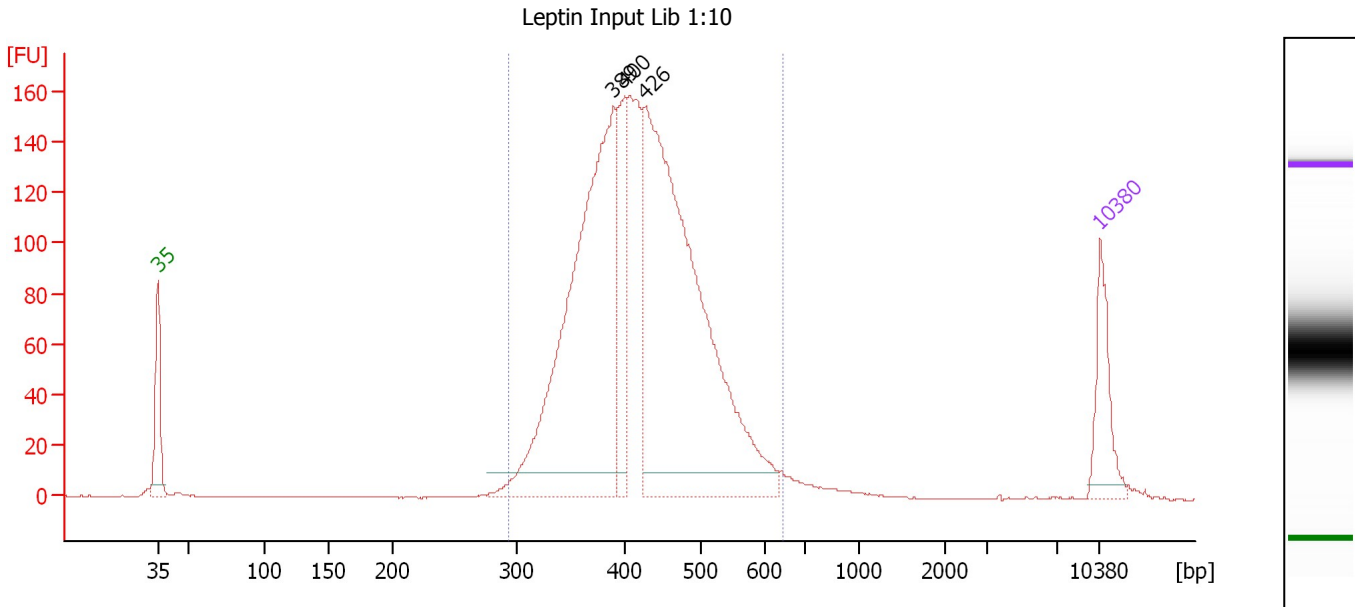
**Region table for sample 1 : Leptin ChIP Lib 1:22**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
305	697	442	7,081.8	2,003.27	1,741.7	95	16.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 2 : Leptin Input Lib 1:10**

Height Threshold [FU] : 10

**Overall Results for sample 2 : Leptin Input Lib 1:10**

Number of peaks found: 3                      Corr. Area 1: 2,128.1  
 Noise: 0.1

**Peak table for sample 2 : Leptin Input Lib 1:10**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	389	826.37	3,216.1	
3	400	169.54	642.8	
4	426	994.28	3,540.2	
5	10,380	75.00	10.9	Upper Marker

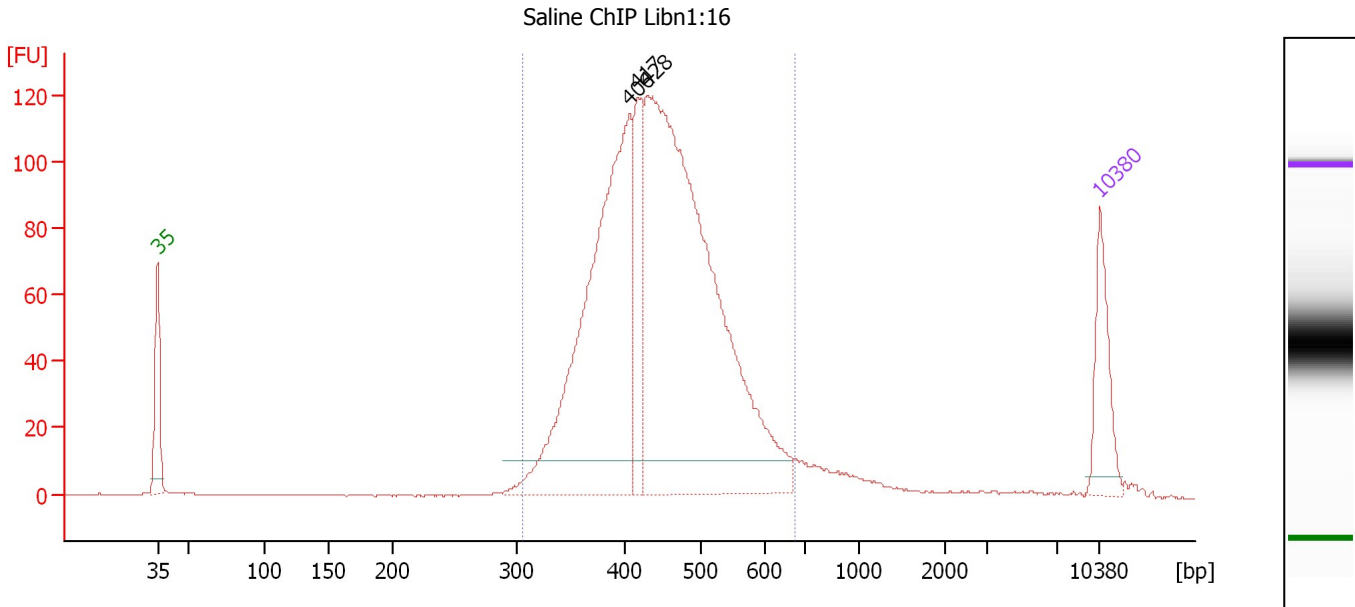
**Region table for sample 2 : Leptin Input Lib 1:10**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
295	645	425	8,251.8	2,251.09	2,128.1	97	15.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 3 : Saline ChIP Libn1:16**

Height Threshold [FU] : 10

**Overall Results for sample 3 : Saline ChIP Libn1:16**

Number of peaks found: 3                      Corr. Area 1: 1,596.7  
 Noise: 0.1

**Peak table for sample 3 : Saline ChIP Libn1:16**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	406	691.58	2,580.8	
3	417	130.88	475.9	
4	428	1,105.56	3,911.2	
5	10,380	75.00	10.9	Upper Marker

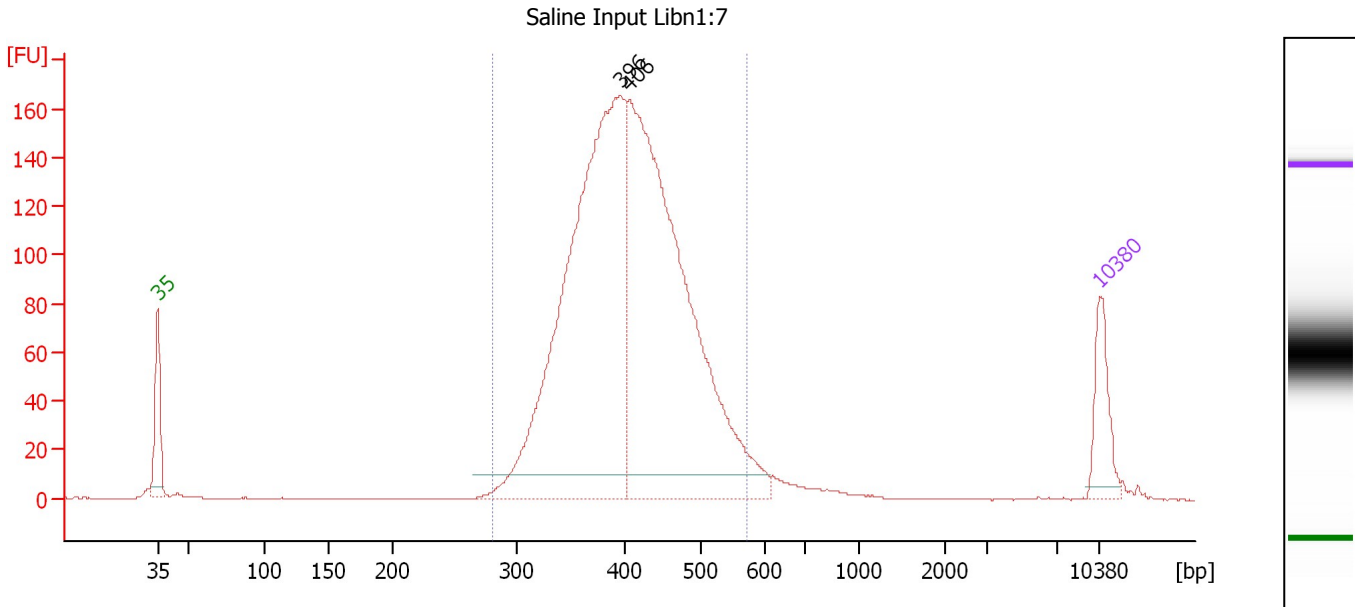
**Region table for sample 3 : Saline ChIP Libn1:16**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
307	676	447	6,814.2	1,948.78	1,596.7	93	15.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 4 : Saline Input Libn1:7**

Height Threshold [FU] : 10

**Overall Results for sample 4 : Saline Input Libn1:7**

Number of peaks found: 2                      Corr. Area 1: 2,134.1  
 Noise: 0.2

**Peak table for sample 4 : Saline Input Libn1:7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	396	1,271.08	4,867.0	
3	406	1,251.36	4,664.7	
4	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : Saline Input Libn1:7**

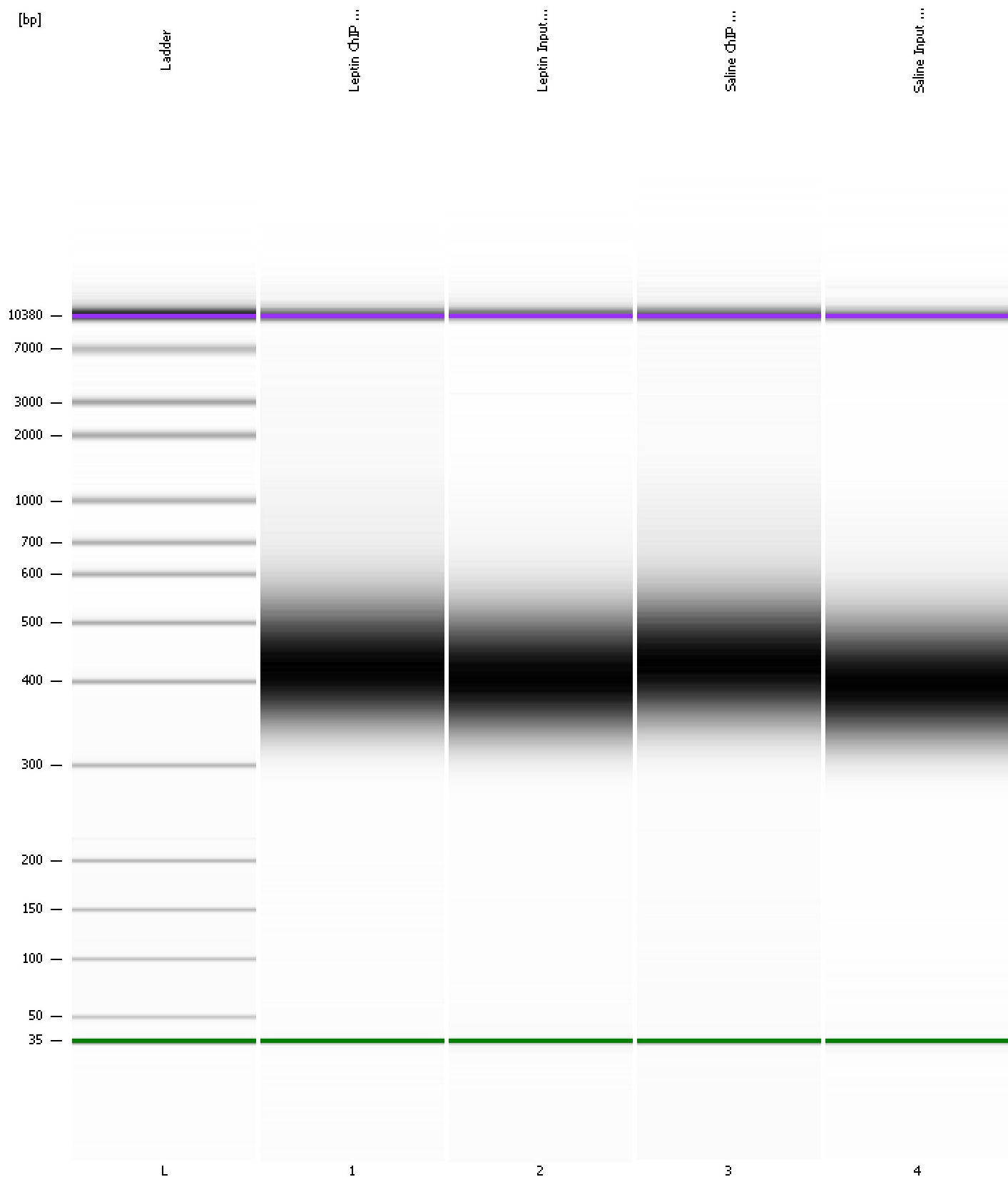
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
281	572	410	9,663.7	2,557.02	2,134.1	95	14.0	Blue



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
Modified: 8/21/2013 2:47:33 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-08-21\2013-08-21\_003\_ChIP\_lib.xad

Created: 8/21/2013 1:53:28 PM  
 Modified: 8/21/2013 2:47:33 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		8/21/2013 2:34:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-08-21\2013-08-21_003.xad)		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/21/2013 1:53:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1