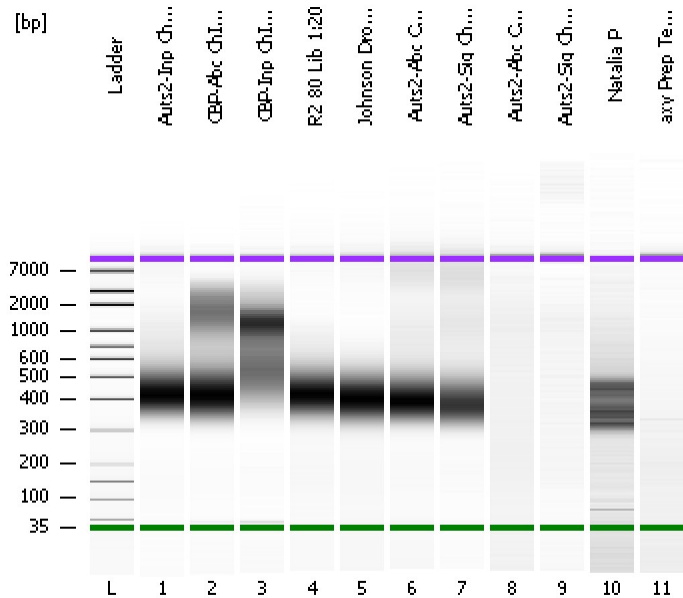


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
Modified: 3/18/2013 4:18:43 PM

**Electrophoresis File Run Summary**

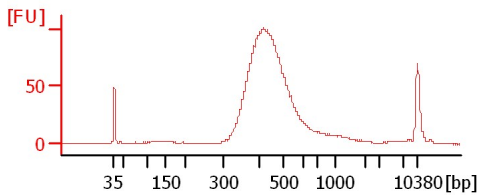


**Instrument Information:**  
 Instrument Name: DE13701086      Firmware: C.01.069  
 Serial#: DE13701086      Type: G2938B

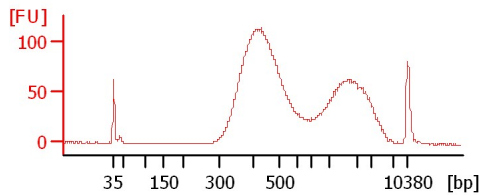
**Assay Information:**  
 Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
 Assay Class: High Sensitivity DNA Assay  
 Version: 1.03  
 Assay Comments: Copyright © 2003-2010 Agilent Technologies

**Chip Information:**  
 Chip Lot #:   
 Reagent Kit Lot #:   
 Chip Comments:

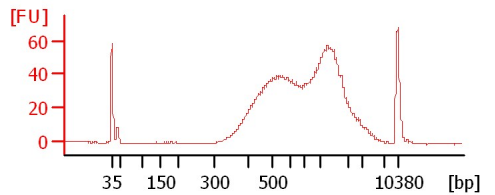
**Aut2-Inp ChIP\_Seq Lib 1:25**



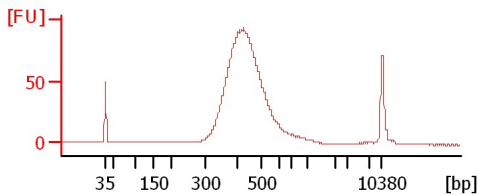
**CBP-Abc ChIP\_Seq Lib 1:2**



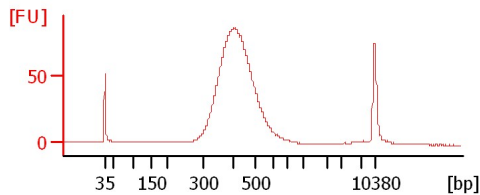
**CBP-Inp ChIP\_Seq Lib**



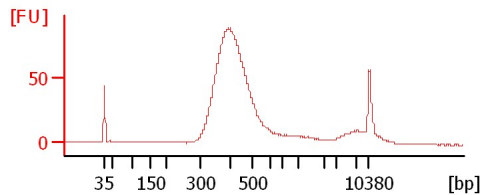
**R2 80 Lib 1:20**



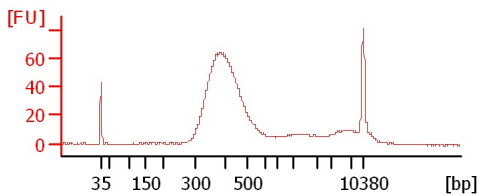
**Johnson Drone Lib 1:20**



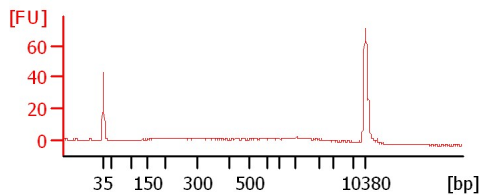
**Aut2-Abc ChIP\_Seq Lib 1:20**



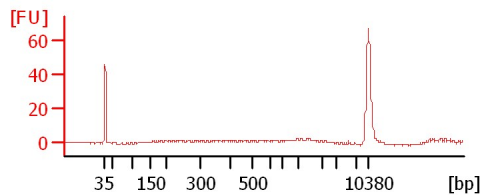
**Aut2-Sig ChIP\_Seq Lib 1:20**



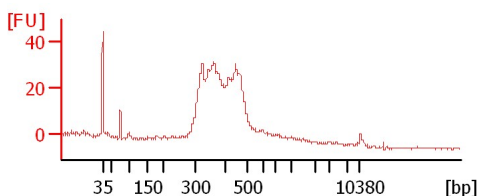
**Aut2-Abc ChIP\_Seq Input Concentrated**



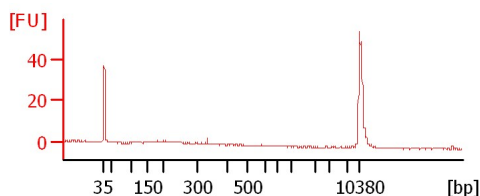
**Aut2-Sig ChIP\_Seq Input Concentrated**



**Natalia P**



**axy Prep Test 1:10**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Auts2-Inp ChIP_Seq Lib 1:25		<input type="checkbox"/>	✓			
CBP-Abc ChIP_Seq Lib 1:2		<input type="checkbox"/>	✓			
CBP-Inp ChIP_Seq Lib		<input type="checkbox"/>	✓			
R2 80 Lib 1:20		<input type="checkbox"/>	✓			
Johnson Drone Lib 1:20		<input type="checkbox"/>	✓			
Auts2-Abc ChIP_Seq Lib 1:20		<input type="checkbox"/>	✓			
Auts2-Sig ChIP_Seq Lib 1:20		<input type="checkbox"/>	✓			
Auts2-Abc ChIP_Seq Input	Concentrated	<input type="checkbox"/>	✓			
Auts2-Sig ChIP_Seq Input	Concentrated	<input type="checkbox"/>	✓			
Natalia P		<input type="checkbox"/>	✓			
axy Prep Test 1:10		<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\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
Modified: 3/18/2013 4:18:43 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

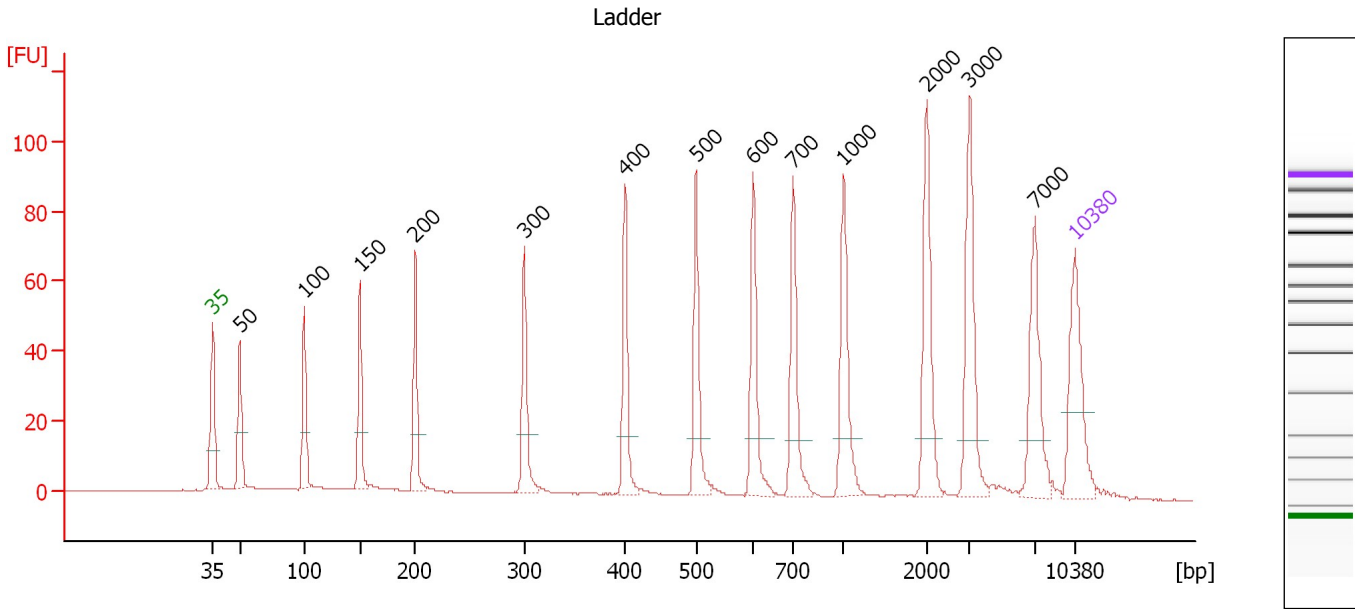
**Ladder**

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:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

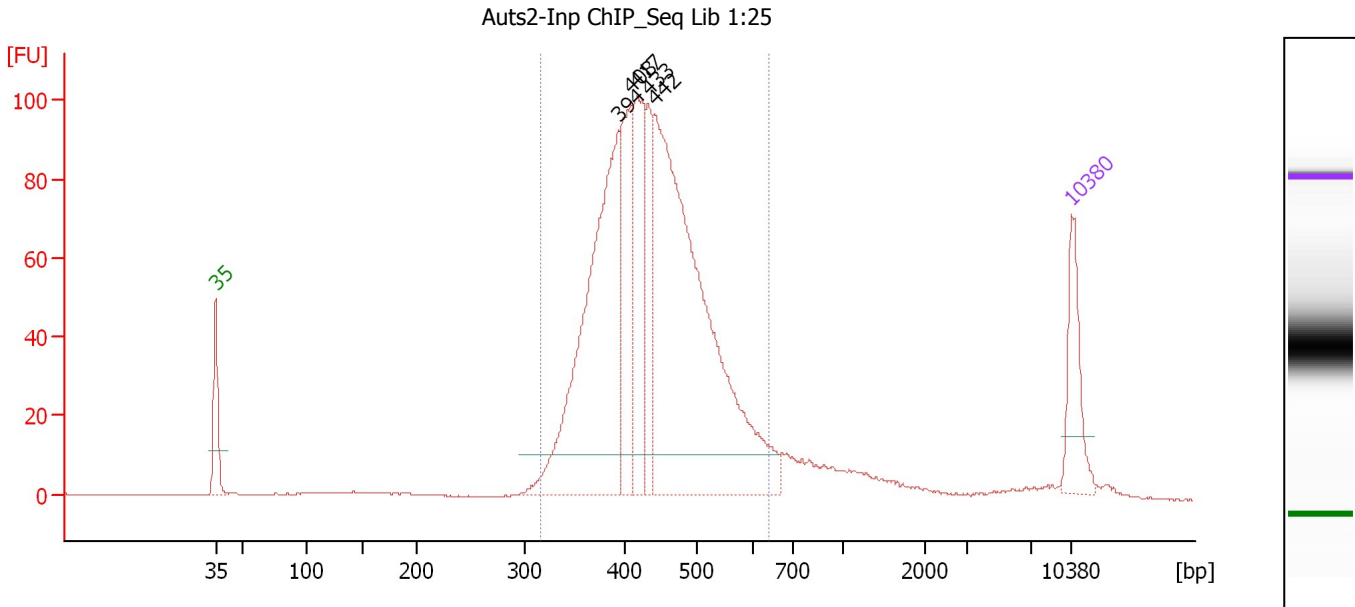
**Peak table for Ladder**

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\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 1 : Auts2-Inp ChIP Seq Lib 1:25**

Height Threshold [FU] : 10

**Overall Results for sample 1 : Auts2-Inp ChIP Seq Lib 1:25**

Number of peaks found: 5                      Corr. Area 1: 1,349.4  
 Noise: 0.1

**Peak table for sample 1 : Auts2-Inp 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	394	581.50	2,236.4	
3	408	206.83	768.0	
4	417	195.38	709.8	
5	433	114.94	402.3	
6	442	880.54	3,019.1	
7	10,380	75.00	10.9	Upper Marker

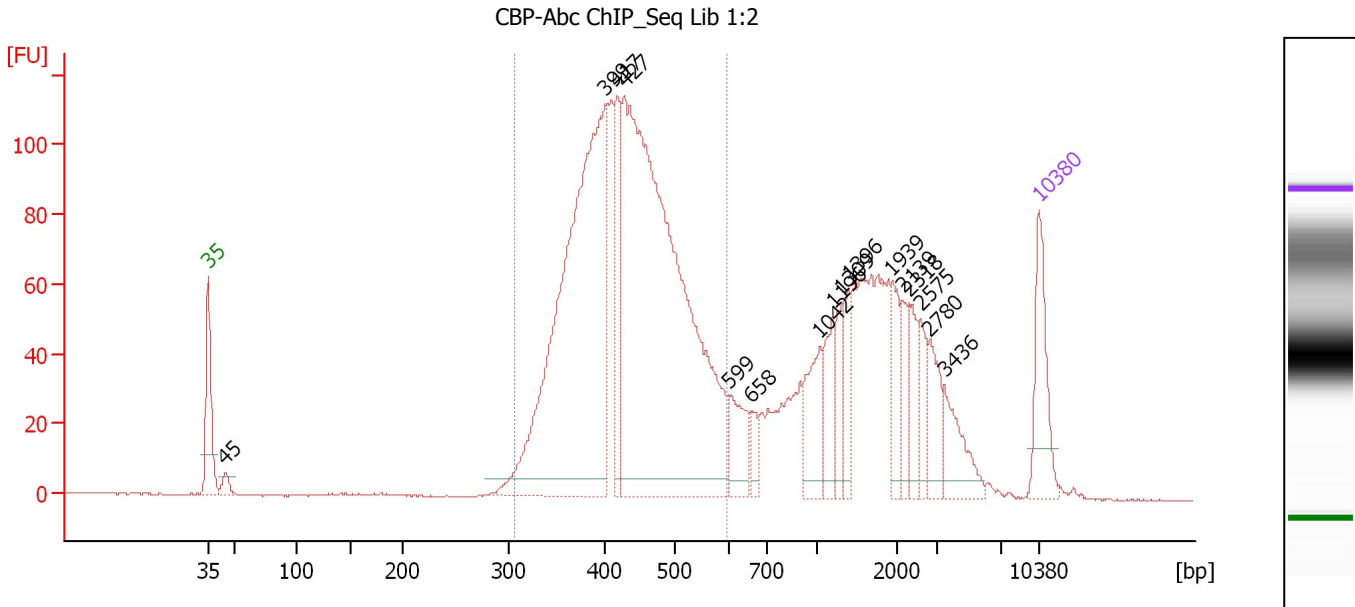
**Region table for sample 1 : Auts2-Inp ChIP Seq Lib 1:25**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
316	643	441	6,976.5	1,975.56	1,349.4	90	15.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : CBP-Abc ChIP\_Seq Lib 1:2**

Number of peaks found: 16                      Corr. Area 1: 1,630.6  
 Noise: 0.2

**Peak table for sample 2 : CBP-Abc ChIP\_Seq Lib 1:2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	18.93	640.6	
3	399	840.68	3,192.3	
4	417	114.17	414.6	
5	427	1,083.58	3,842.5	
6	599	63.24	160.0	
7	658	21.16	48.7	
8	1,042	74.29	108.1	
9	1,196	55.11	69.8	
10	1,309	42.89	49.6	
11	1,396	39.90	43.3	
12	1,939	47.28	37.0	
13	2,139	38.92	27.6	
14	2,318	39.23	25.6	
15	2,575	37.52	22.1	
16	2,780	47.78	26.0	
17	3,436	55.28	24.4	
18	10,380	75.00	10.9	Upper Marker

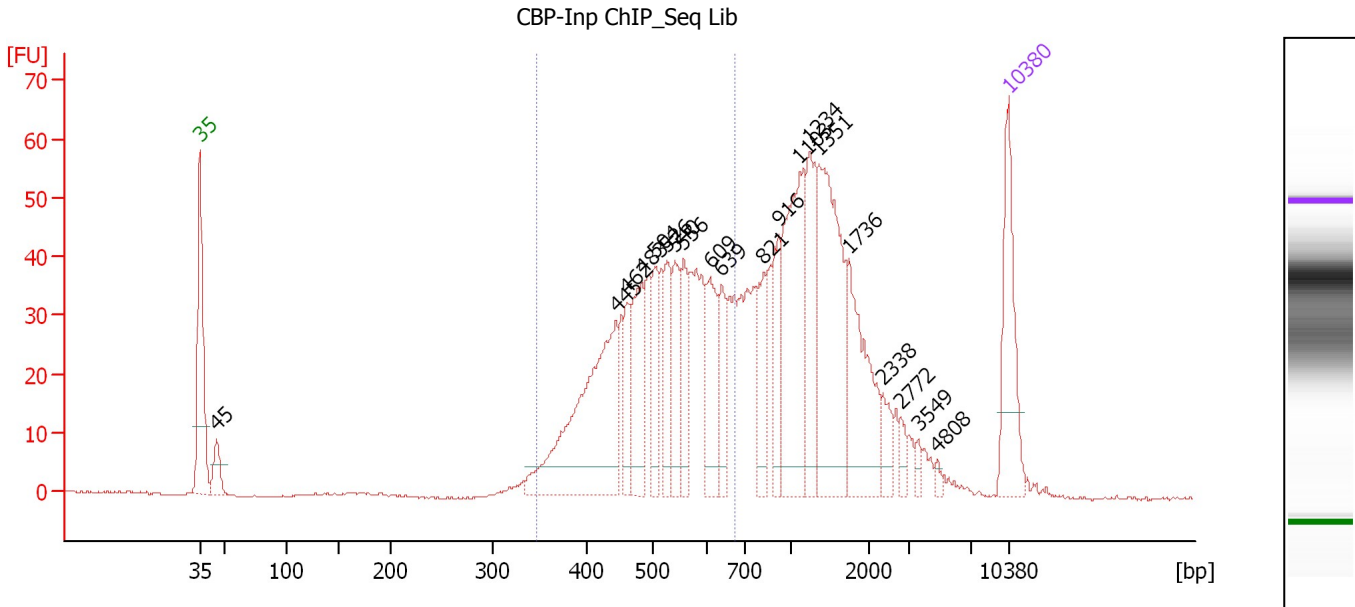
**Region table for sample 2 : CBP-Abc ChIP\_Seq Lib 1:2**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
306	595	433	7,669.0	2,132.83	1,630.6	64	14.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : CBP-Inp ChIP\_Seq Lib**

Number of peaks found: 20                      Corr. Area 1: 590.7  
 Noise: 0.2

**Peak table for sample 3 : CBP-Inp ChIP\_Seq Lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	35.29	1,195.6	
3	445	243.61	829.8	
4	462	39.45	129.5	
5	483	77.29	242.4	
6	504	48.92	147.2	
7	526	51.89	149.6	
8	540	54.04	151.8	
9	556	55.79	151.9	
10	609	65.11	162.0	
11	639	43.92	104.1	
12	821	48.93	90.3	
13	916	50.19	83.1	
14	1,103	149.20	205.0	
15	1,234	80.09	98.4	
16	1,351	165.91	186.1	
17	1,736	100.75	87.9	
18	2,338	19.00	12.3	
19	2,772	9.85	5.4	
20	3,549	6.26	2.7	
21	4,808	3.88	1.2	
22	10,380	75.00	10.9	Upper Marker

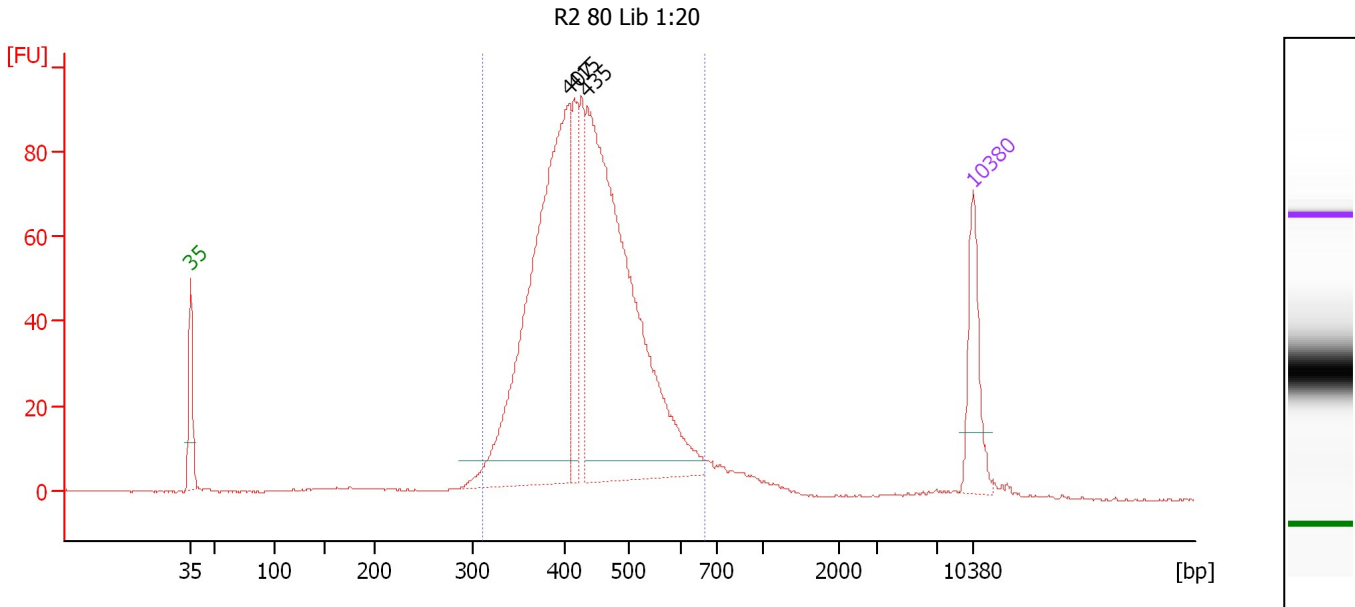
**Region table for sample 3 : CBP-Inp ChIP\_Seq Lib**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
347	674	515	2,816.8	922.51	590.7	48	15.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : R2 80 Lib 1:20**

Number of peaks found: 3                      Corr. Area 1: 1,234.8  
 Noise: 0.2

**Peak table for sample 4 : R2 80 Lib 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	407	716.24	2,668.1	
3	415	107.10	391.1	
4	435	780.65	2,720.8	
5	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : R2 80 Lib 1:20**

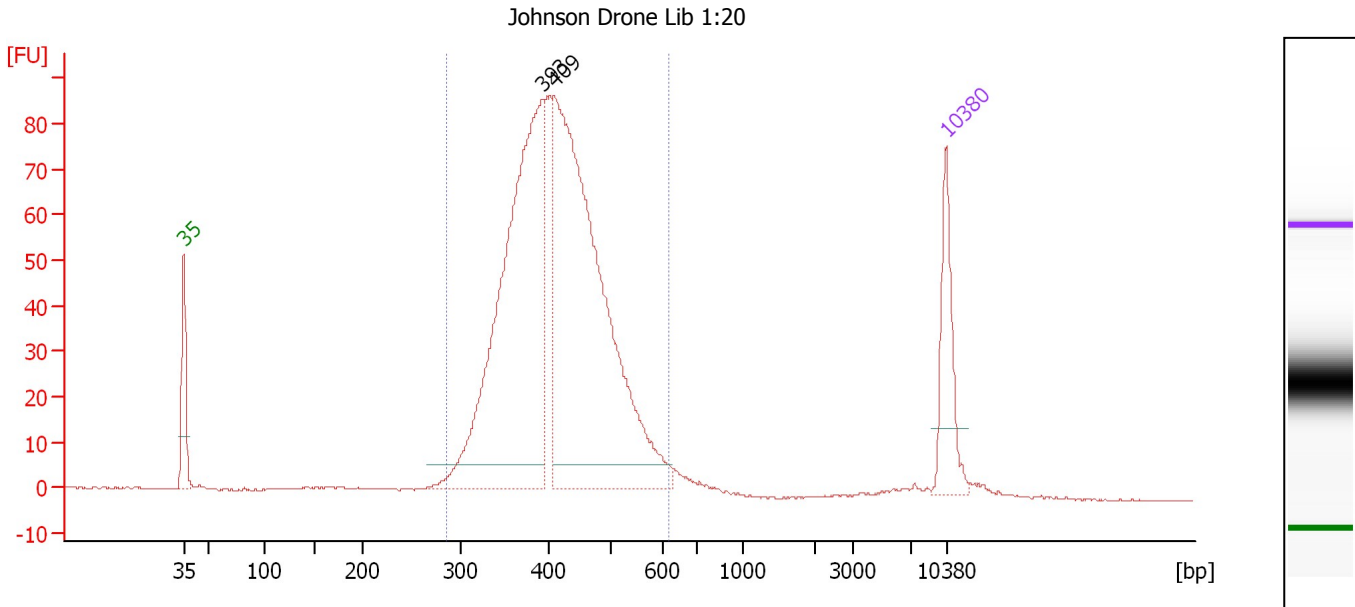
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
309	668	439	6,487.3	1,823.48	1,234.8	93	15.6	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Johnson Drone Lib 1:20**

Number of peaks found: 2                      Corr. Area 1: 1,172.5  
 Noise: 0.1

**Peak table for sample 5 : Johnson Drone Lib 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	393	651.21	2,510.5	
3	409	753.23	2,791.9	
4	10,380	75.00	10.9	Upper Marker

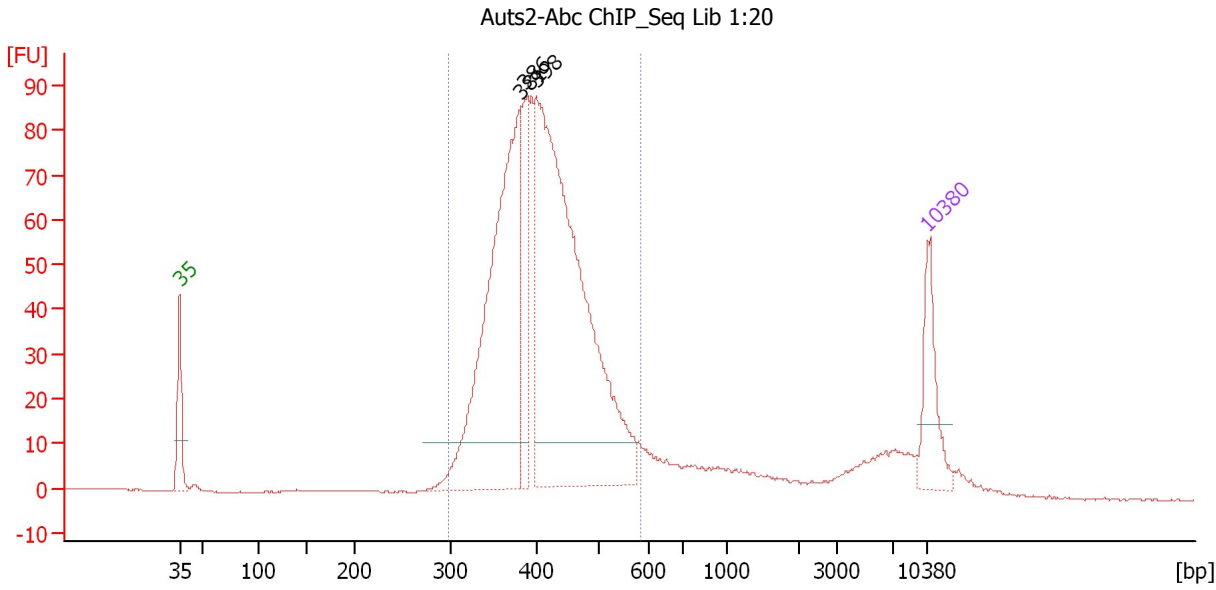
**Region table for sample 5 : Johnson Drone Lib 1:20**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
287	619	418	5,897.6	1,582.72	1,172.5	95	15.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 6 : Auts2-Abc ChIP Seq Lib 1:20**

Height Threshold [FU] : 10

**Overall Results for sample 6 : Auts2-Abc ChIP Seq Lib 1:20**

Number of peaks found: 3                      Corr. Area 1: 1,111.6  
 Noise: 0.2

**Peak table for sample 6 : Auts2-Abc ChIP Seq Lib 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	381	621.14	2,469.0	
3	386	119.83	470.3	
4	398	904.87	3,441.8	
5	10,380	75.00	10.9	Upper Marker

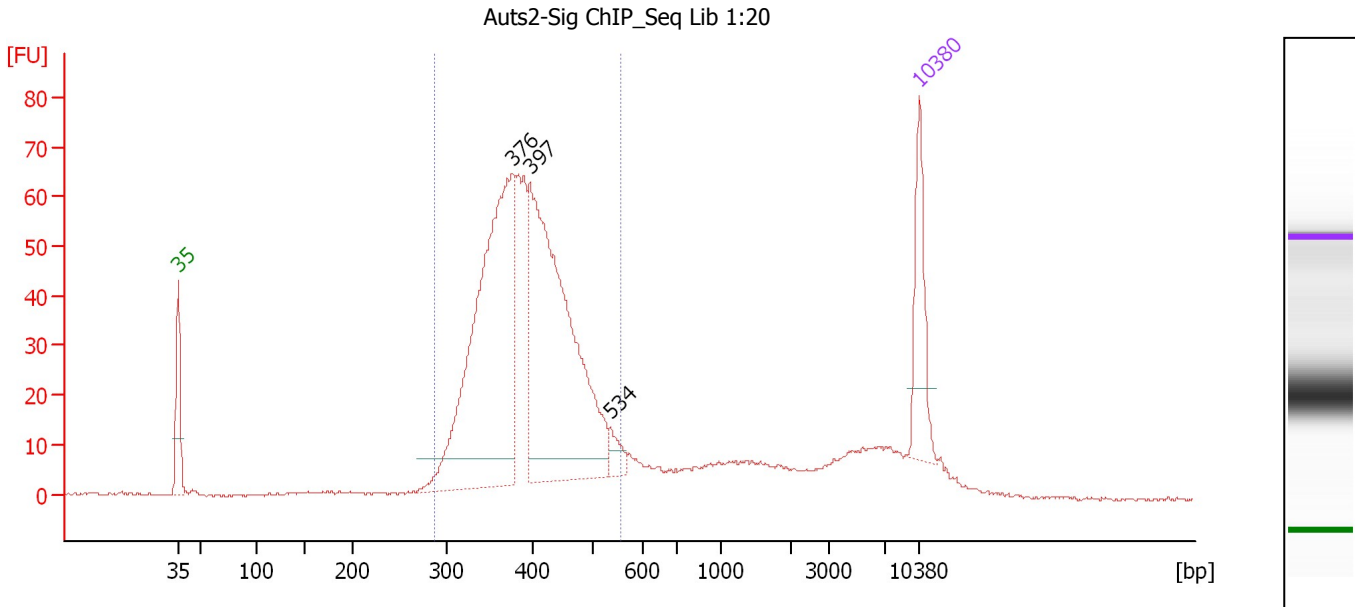
**Region table for sample 6 : Auts2-Abc ChIP Seq Lib 1:20**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
298	582	413	6,716.1	1,787.67	1,111.6	85	14.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Auts2-Sig ChIP\_Seq Lib 1:20**

Number of peaks found: 3                      Corr. Area 1: 858.0  
 Noise: 0.3

**Peak table for sample 7 : Auts2-Sig ChIP\_Seq Lib 1:20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	376	581.72	2,343.0	
3	397	551.57	2,103.9	
4	534	21.42	60.8	
5	10,380	75.00	10.9	Upper Marker

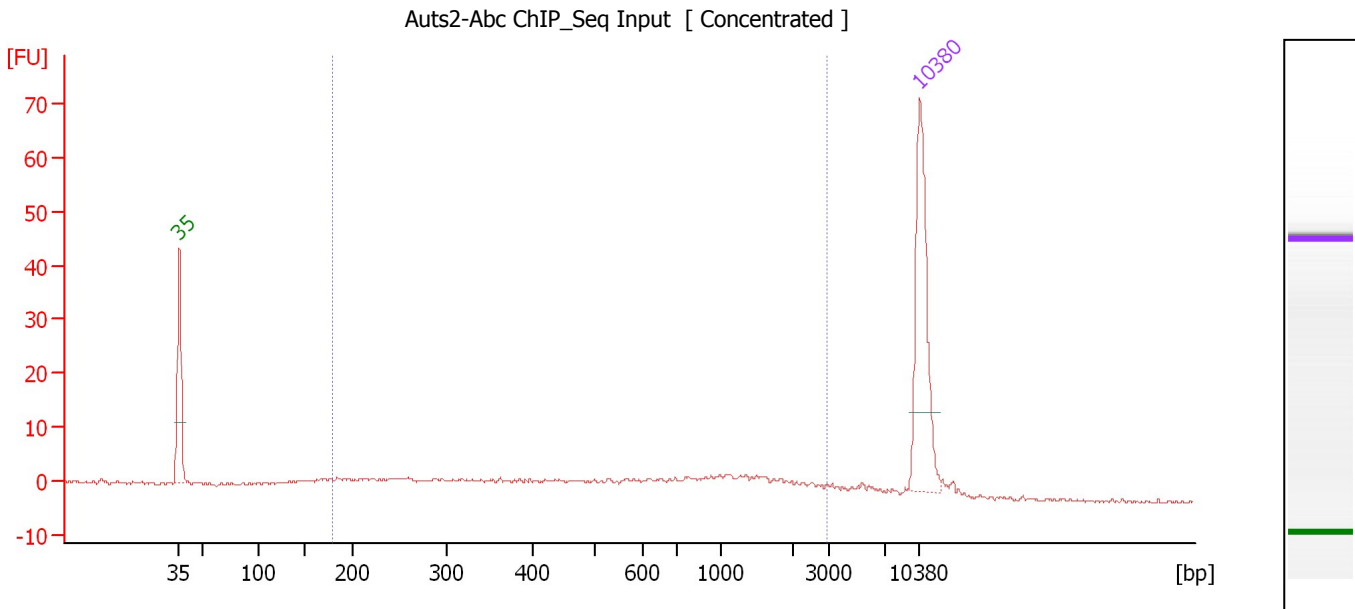
**Region table for sample 7 : Auts2-Sig ChIP\_Seq Lib 1:20**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
287	555	399	5,471.9	1,409.86	858.0	79	14.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Auts2-Abc ChIP Seq Input**

Number of peaks found: 0                      Corr. Area 1: 106.4  
 Noise: 0.3

**Peak table for sample 8 : Auts2-Abc ChIP Seq Input**

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

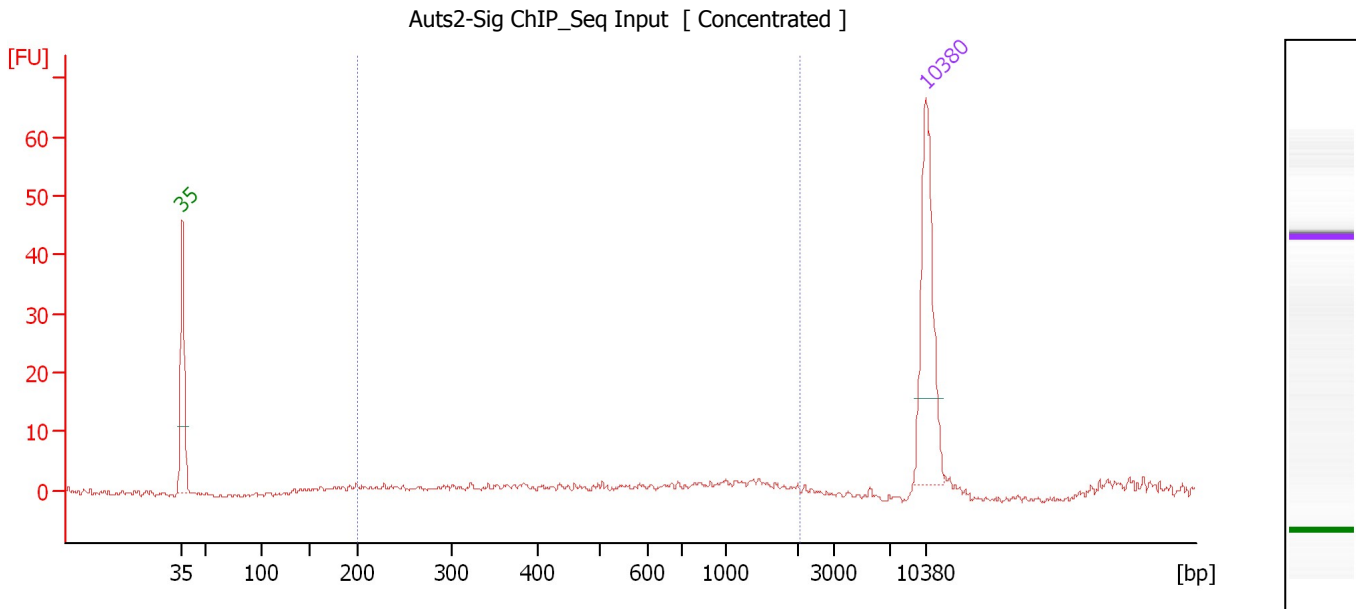
**Region table for sample 8 : Auts2-Abc ChIP Seq Input**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
179	2,944	850	490.5	139.50	106.4	82	75.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Auts2-Sig ChIP\_Seq Input**

Number of peaks found: 0                      Corr. Area 1: 51.5  
 Noise: 0.4

**Peak table for sample 9 : Auts2-Sig ChIP\_Seq Input**

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

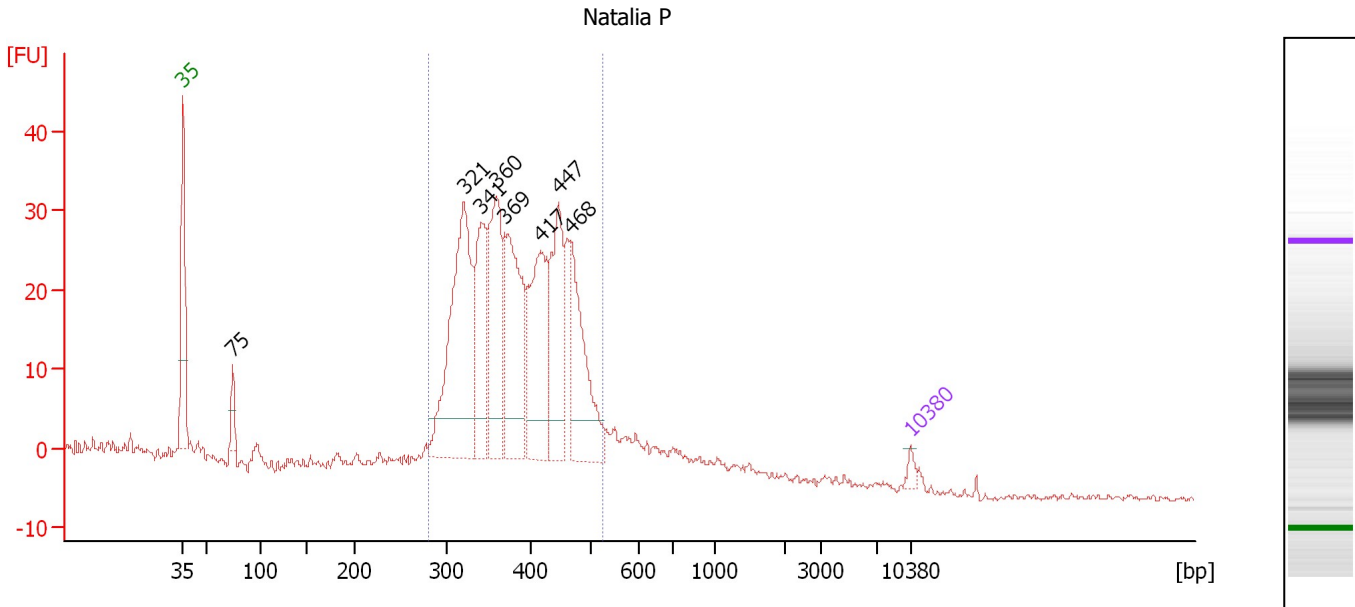
**Region table for sample 9 : Auts2-Sig ChIP\_Seq Input**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	2,080	723	253.3	71.57	51.5	74	64.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Natalia P**

Number of peaks found: 8                      Corr. Area 1: 513.2  
 Noise: 0.4

**Peak table for sample 10 : Natalia P**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	75	344.43	6,960.7	
3	321	3,494.45	16,486.8	
4	341	1,543.19	6,850.3	
5	360	1,952.89	8,228.2	
6	369	2,236.87	9,183.1	
7	417	2,012.21	7,315.5	
8	447	1,586.51	5,379.5	
9	468	1,605.24	5,196.1	
10	10,380	75.00	10.9	Upper Marker

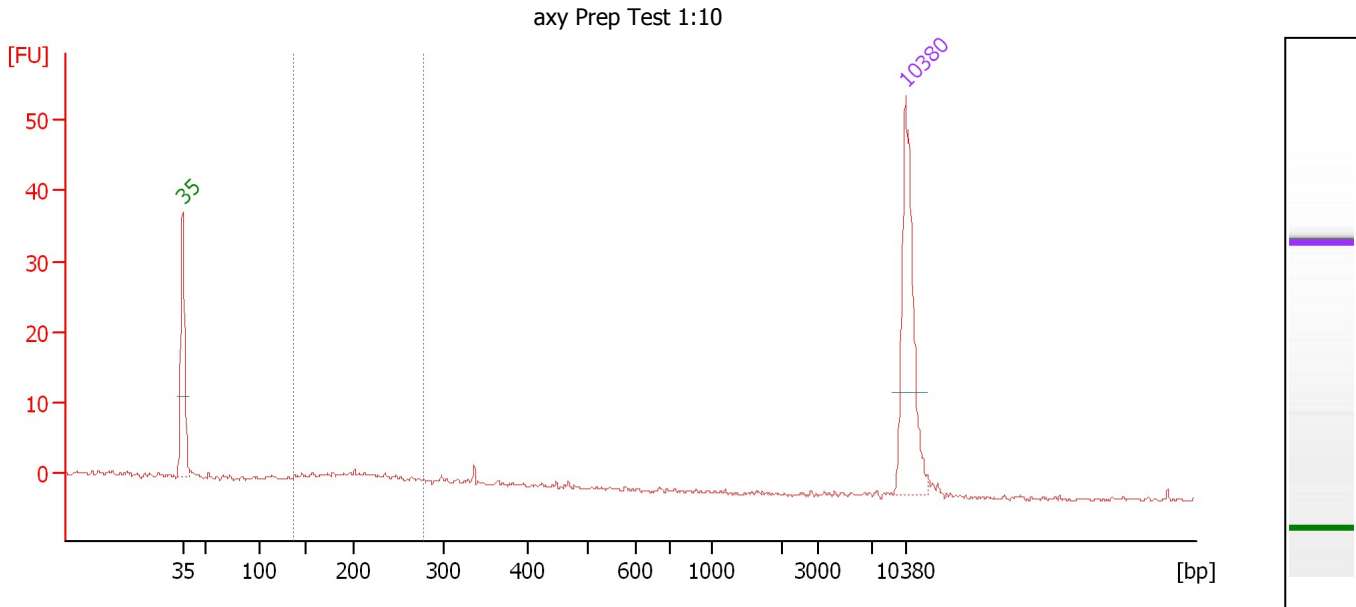
**Region table for sample 10 : Natalia P**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
281	527	389	64,707.4	16,150.17	513.2	86	15.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : axy Prep Test 1:10**

Number of peaks found: 0                      Corr. Area 1: 13.3  
 Noise: 0.3

**Peak table for sample 11 : axy Prep Test 1:10**

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

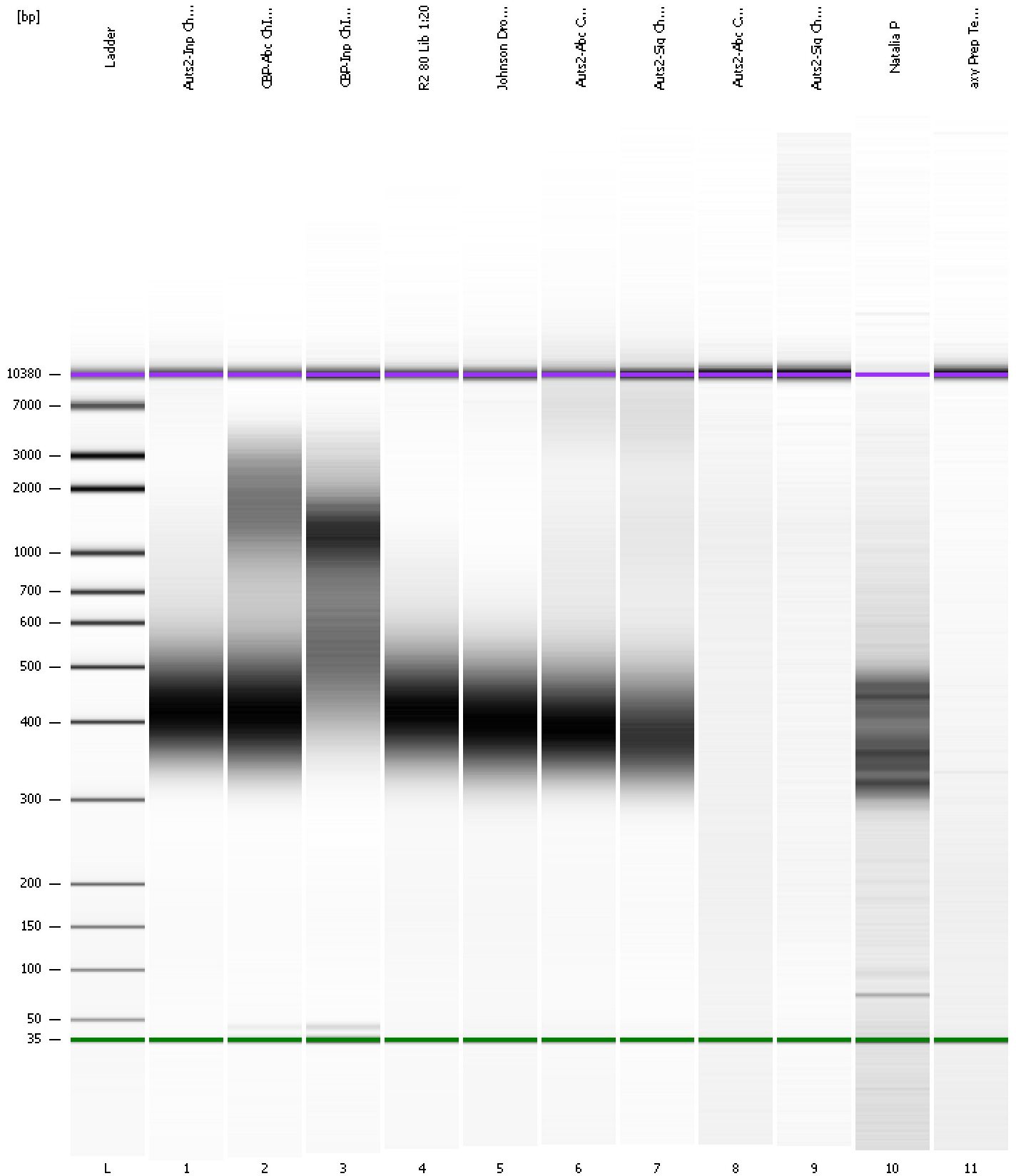
**Region table for sample 11 : axy Prep Test 1:10**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
137	278	204	224.3	29.09	13.3	55	17.5	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
Modified: 3/18/2013 4:18:43 PM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18\_004.xad

Created: 3/18/2013 3:12:35 PM  
 Modified: 3/18/2013 4:18:43 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		3/18/2013 3:53:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-03-18\2013-03-18_004.xad)		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/18/2013 3:12:41 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1