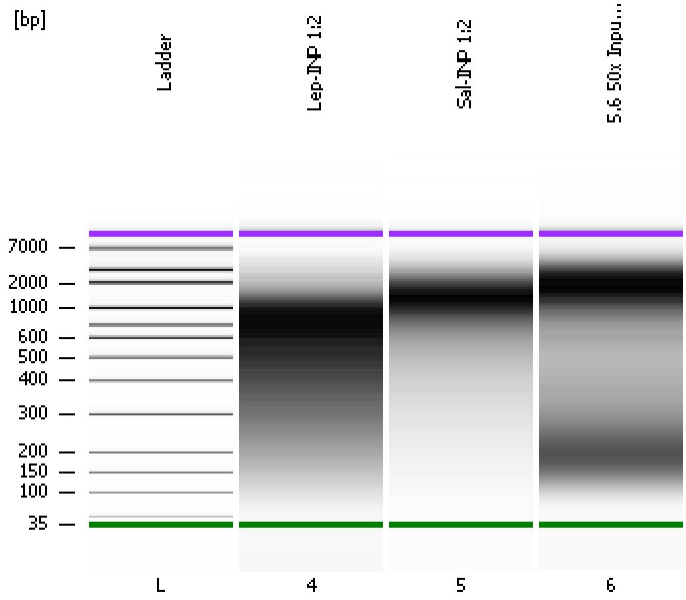
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 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

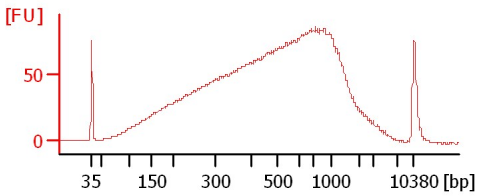
Chip Information:

Chip Lot #:

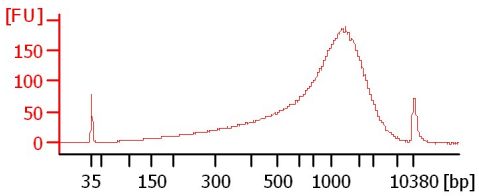
Reagent Kit Lot #:

Chip Comments:

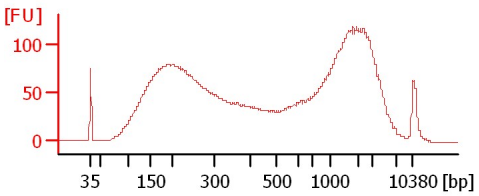
Lep-INP 1:2



Sal-INP 1:2



5.6 50x Input 1:15



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lep-INP 1:2		☐	✔			
Sal-INP 1:2		☐	✔			
5.6 50x Input 1:15		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 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

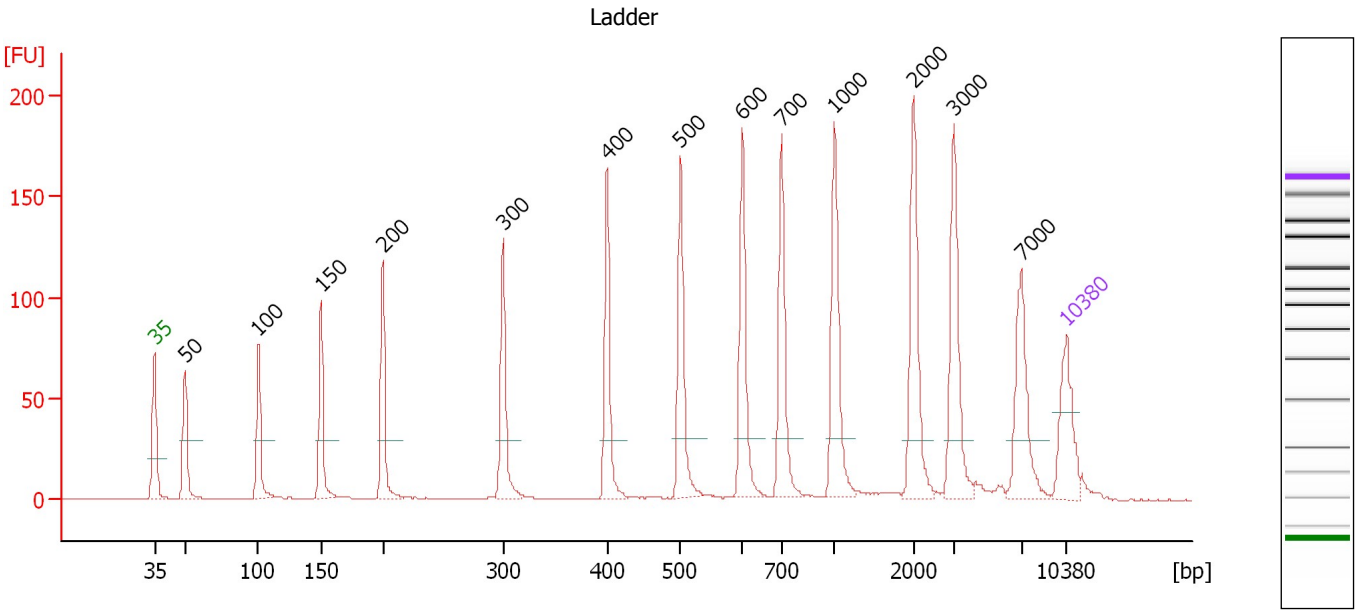
Ladder

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:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

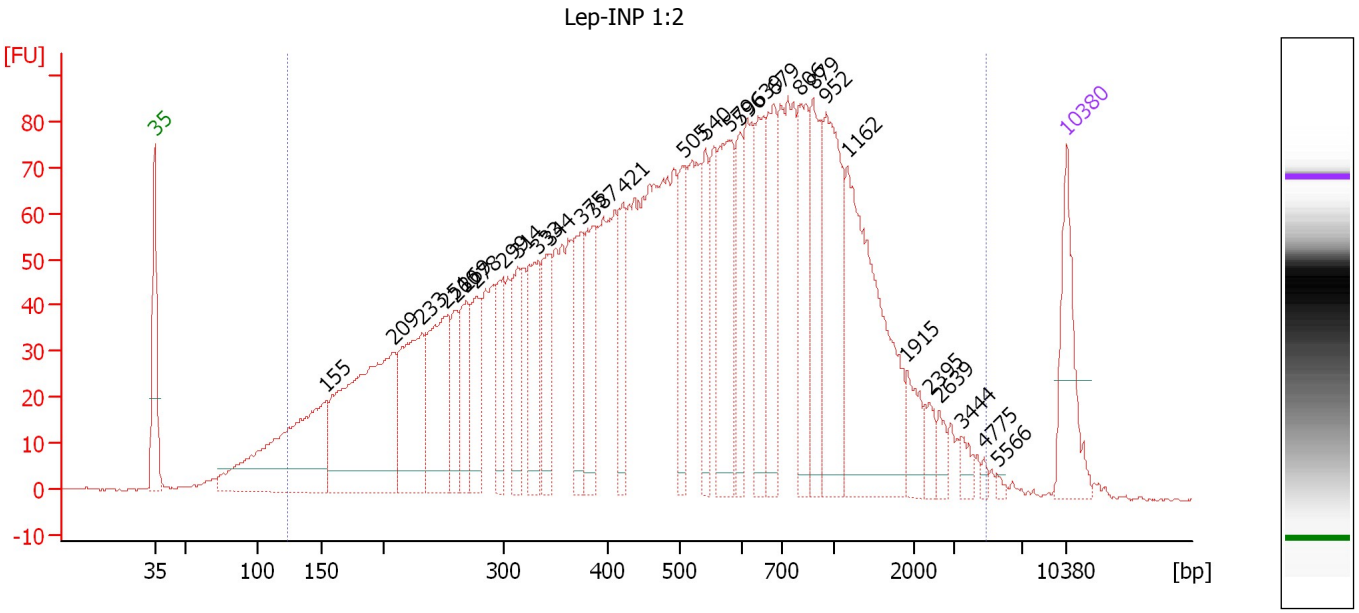
Peak table for Ladder

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:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Lep-INP 1:2

Number of peaks found:	30	Corr. Area 1:	3,343.1
Noise:	0.3		

Peak table for sample 4 : Lep-INP 1:2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	155	316.30	3,101.2	
3	209	378.53	2,745.9	
4	233	183.59	1,195.7	
5	251	174.44	1,051.5	
6	260	63.80	371.9	
7	269	88.02	495.7	
8	278	84.27	459.9	
9	299	68.26	345.4	
10	314	83.10	401.0	
11	333	96.89	441.1	
12	344	77.87	343.0	
13	375	94.31	381.5	
14	387	88.78	347.1	
15	421	66.67	239.7	
16	505	76.12	228.5	
17	540	74.50	208.9	
18	579	151.72	397.3	
19	596	67.59	171.7	
20	639	92.79	220.0	
21	679	117.50	262.1	
22	806	106.78	200.7	
23	879	105.88	182.5	
24	952	163.79	260.7	
25	1,162	262.37	342.0	
26	1,915	33.53	26.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : Lep-INP 1:2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	2,395	17.21	10.9	
28	2,639	14.61	8.4	
29	3,444	11.64	5.1	
30	4,775	4.40	1.4	
31	5,566	2.61	0.7	
32	10,380	75.00	10.9	Upper Marker

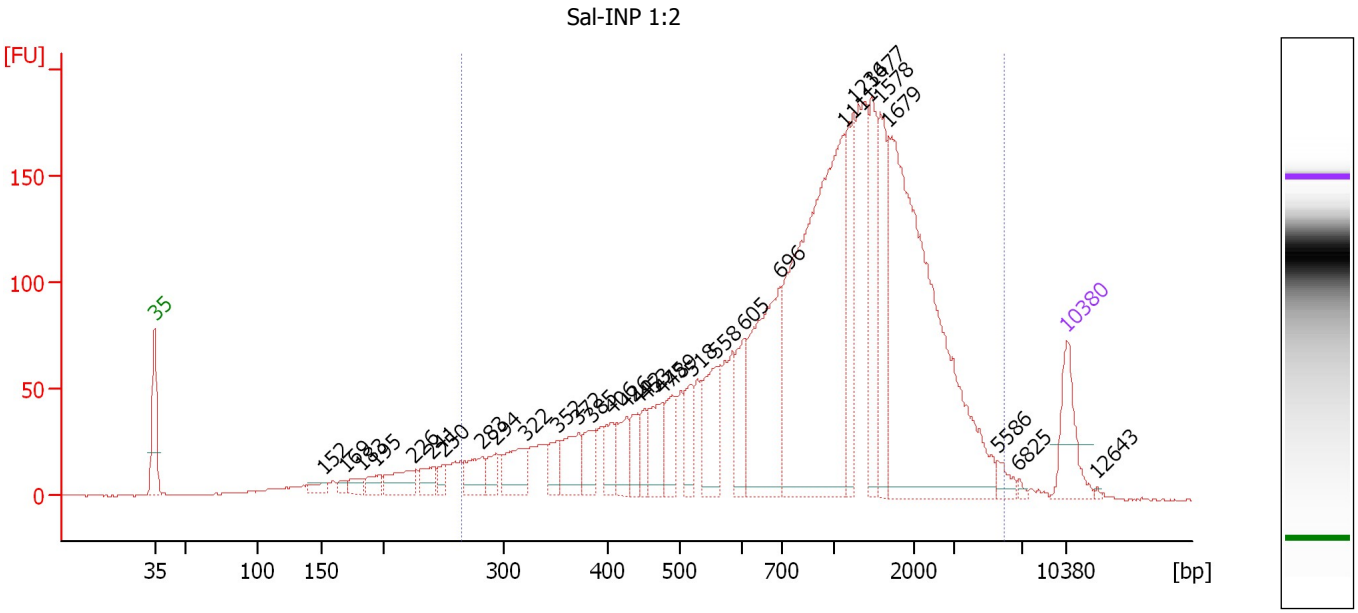
Region table for sample 4 : Lep-INP 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
124	4,869	661	18,886.7	4,555.14	3,343.1	97	84.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sal-INP 1:2

Number of peaks found:	31	Corr. Area 1:	3,372.8
Noise:	0.1		

Peak table for sample 5 : Sal-INP 1:2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	152	20.43	203.2	
3	169	14.48	129.6	
4	183	23.73	196.8	
5	195	27.21	211.8	
6	226	64.56	432.3	
7	241	37.92	238.3	
8	250	21.04	127.6	
9	283	59.39	318.4	
10	294	36.51	188.2	
11	322	83.05	390.7	
12	352	43.35	186.7	
13	372	79.73	324.6	
14	385	53.35	209.9	
15	406	46.69	174.2	
16	426	61.59	218.9	
17	442	51.56	176.9	
18	453	39.15	131.1	
19	475	78.15	249.1	
20	489	60.55	187.6	
21	518	54.38	159.1	
22	558	115.53	313.9	
23	605	88.37	221.1	
24	696	303.41	660.2	
25	1,111	719.41	981.0	
26	1,236	142.05	174.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : Sal-INP 1:2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	1,477	124.04	127.3	
28	1,578	141.87	136.2	
29	1,679	707.57	638.5	
30	5,586	18.20	4.9	
31	6,825	4.92	1.1	
32	10,380	75.00	10.9	Upper Marker
33	12,643	0.00	0.0	

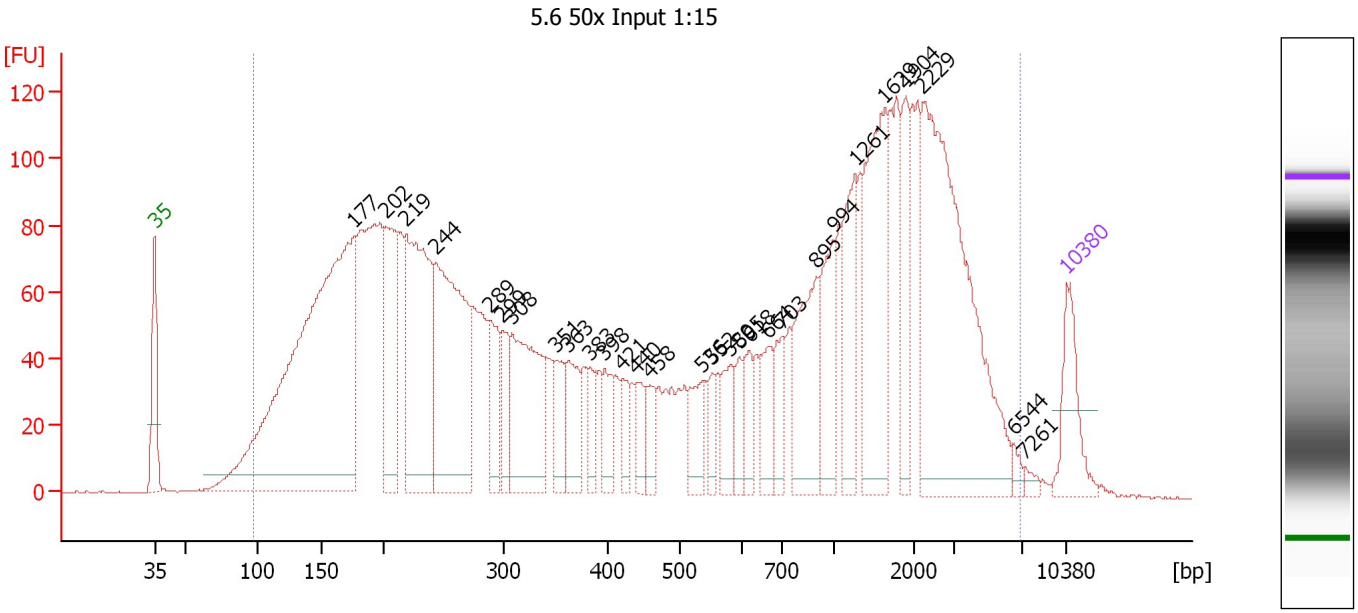
Region table for sample 5 : Sal-INP 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
265	5,997	1,242	7,874.3	3,700.48	3,372.8	92	71.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 5.6 50x Input 1:15

Number of peaks found:	29	Corr. Area 1:	4,479.2
Noise:	0.2		

Peak table for sample 6 : 5.6 50x Input 1:15

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	177	1,250.61	10,702.5	
3	202	227.18	1,702.3	
4	219	428.95	2,964.2	
5	244	452.03	2,806.4	
6	289	99.12	519.7	
7	299	71.96	364.2	
8	308	261.31	1,284.6	
9	351	67.30	290.6	
10	363	88.57	369.8	
11	383	45.76	181.2	
12	398	52.11	198.6	
13	421	39.45	142.1	
14	440	43.33	149.2	
15	458	36.62	121.1	
16	536	60.45	170.9	
17	552	35.95	98.7	
18	580	60.15	157.1	
19	595	35.45	90.2	
20	618	45.27	111.0	
21	664	62.04	141.7	
22	703	56.70	122.2	
23	895	156.69	265.4	
24	994	102.89	156.9	
25	1,261	122.32	147.0	
26	1,629	235.25	218.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : 5.6 50x Input 1:15

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	1,904	85.59	68.1	
28	2,229	482.40	327.9	
29	6,544	10.53	2.4	
30	7,261	8.35	1.7	
31	10,380	75.00	10.9	Upper Marker

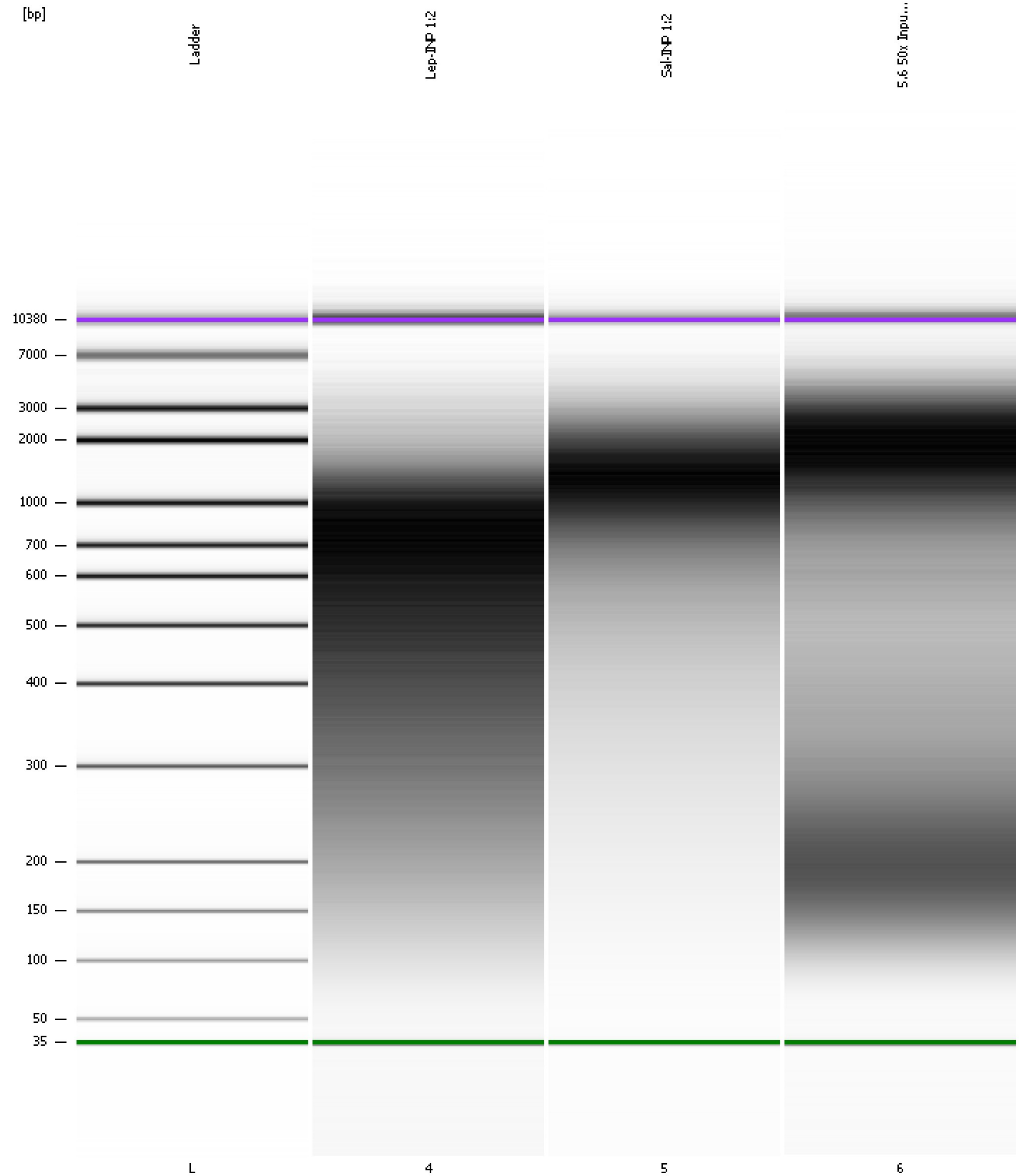
Region table for sample 6 : 5.6 50x Input 1:15

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
97	6,877	1,054	34,173.2	6,346.79	4,479.2	98	100.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gs\Bioanalyzer\2013-07-15\2013-07-15_001_ChIP-Seq_Input.xad

Created: 7/15/2013 11:31:12 AM
Modified: 7/15/2013 12:23:14 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		7/15/2013 12:12:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-07-15\2013-07-15_001.xad)		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/15/2013 11:31:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1