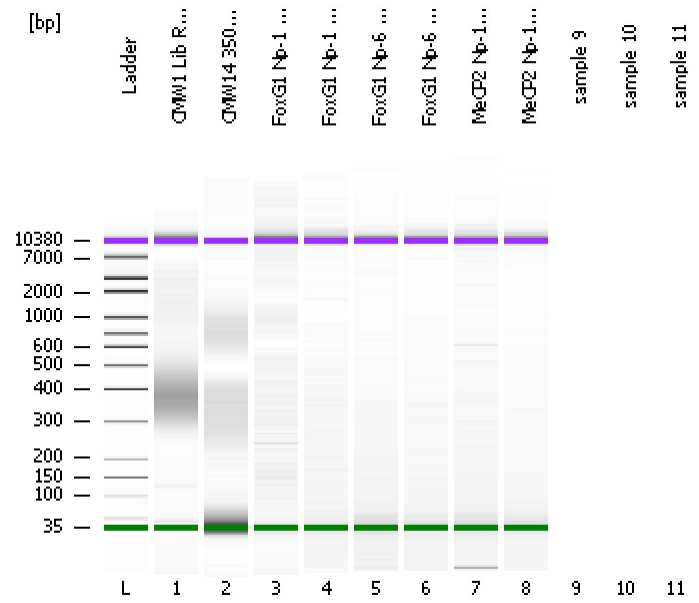
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 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

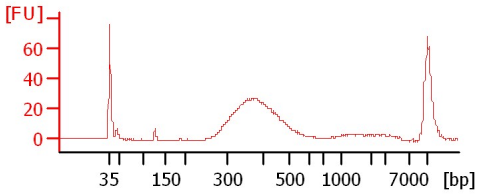
Chip Information:

Chip Lot #:

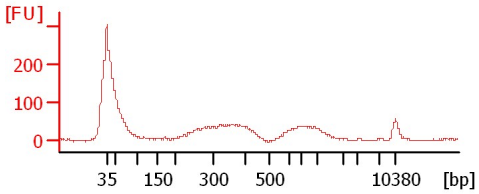
Reagent Kit Lot #:

Chip Comments:

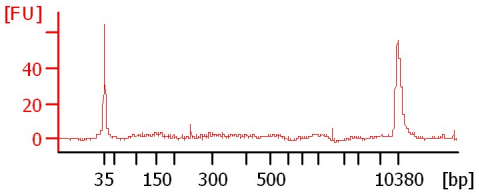
CMW1 Lib Redo



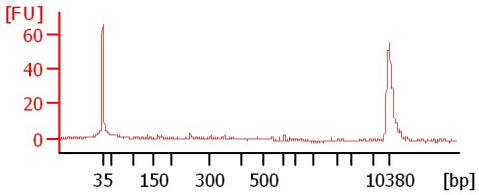
CMW14 350bp 1:5



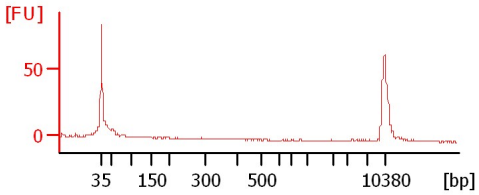
FoxG1 Np-1 1:100



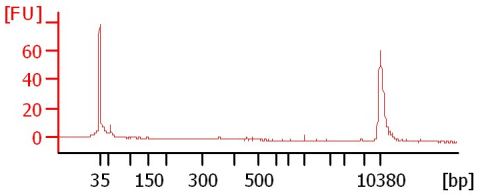
FoxG1 Np-1 1:200



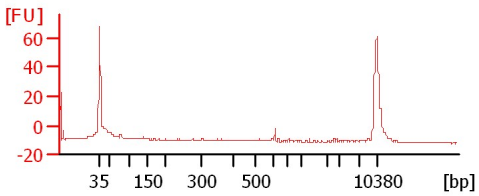
FoxG1 Np-6 1:75



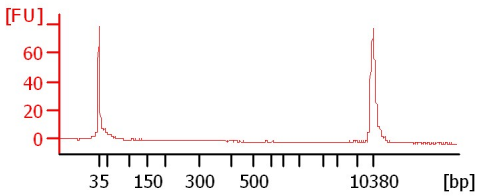
FoxG1 Np-6 1:150



MeCP2 Np-1 1:75



MeCP2 Np-1:150



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CMW1 Lib Redo		☐	✔			
CMW14 350bp 1:5		☐	✔			
FoxG1 Np-1 1:100		☐	✔			
FoxG1 Np-1 1:200		☐	✔			
FoxG1 Np-6 1:75		☐	✔			
FoxG1 Np-6 1:150		☐	✔			
MeCP2 Np-1 1:75		☐	✔			
MeCP2 Np-1:150		☐	✔			
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 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

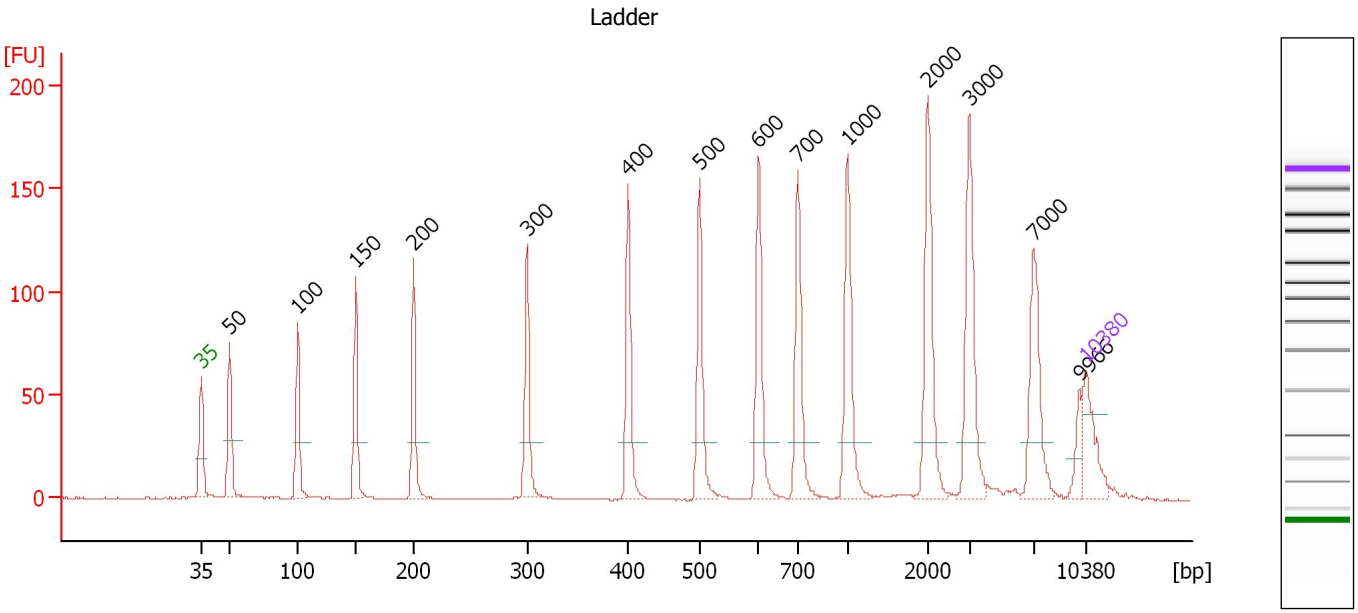
Ladder

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\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

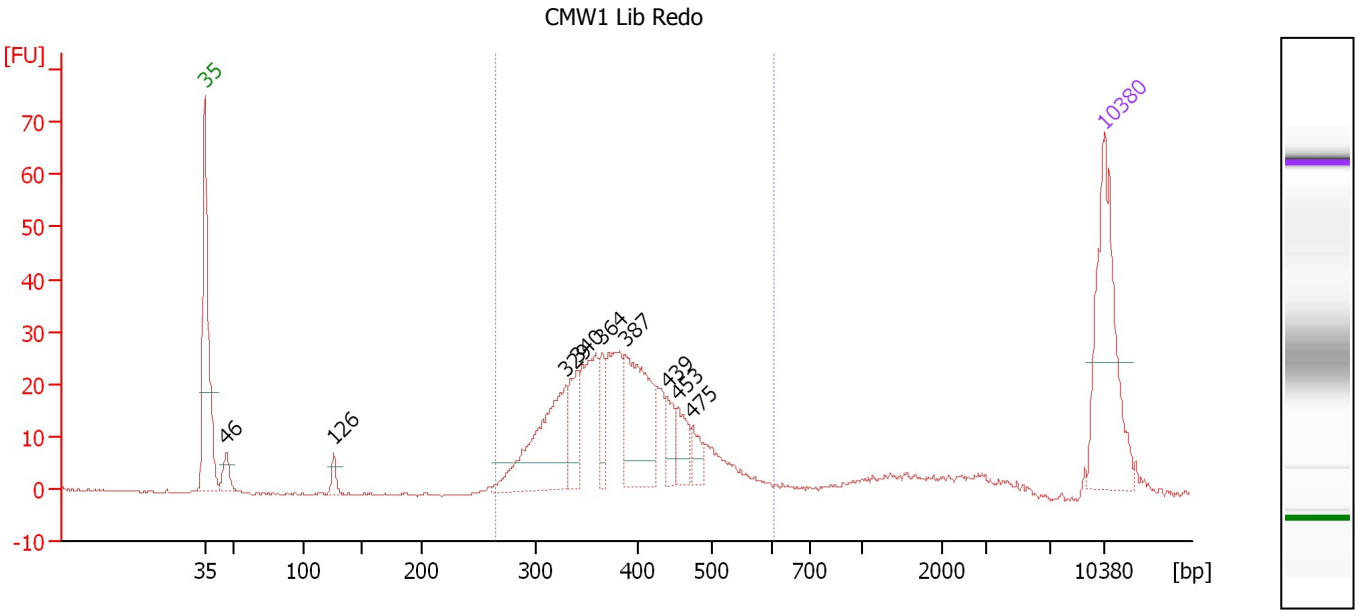
Peak table for Ladder

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		9,966	0.00	0.0	
16		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CMW1 Lib Redo

Number of peaks found:	9	Corr. Area 1:	431.5
Noise:	0.2		

Peak table for sample 1 : CMW1 Lib Redo

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	46	16.07	529.9	
3	126	9.34	112.1	
4	329	95.08	437.4	
5	340	31.77	141.6	
6	364	20.80	86.5	
7	387	81.10	317.8	
8	439	16.24	56.0	
9	453	19.73	65.9	
10	475	11.96	38.2	
11	10,380	75.00	10.9	Upper Marker

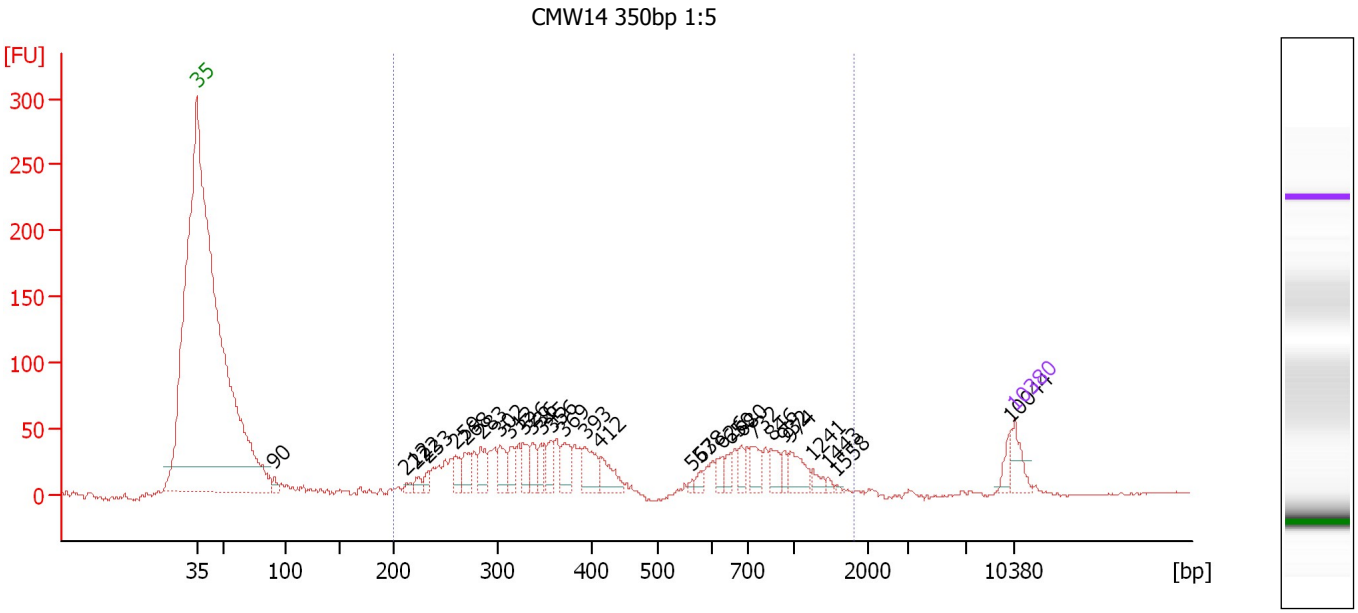
Region table for sample 1 : CMW1 Lib Redo

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
264	1,830.3	388	453.02	606	431.5	87	16.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CMW14 350bp 1:5

Number of peaks found:	29	Corr. Area 1:	1,161.2
Noise:	0.7		

Peak table for sample 2 : CMW14 350bp 1:5

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	90	33.68	564.0	
3	212	23.88	170.5	
4	222	34.96	238.7	
5	233	35.82	233.4	
6	259	73.89	432.4	
7	268	93.42	528.0	
8	283	104.15	557.0	
9	302	104.72	525.8	
10	312	87.16	423.2	
11	326	85.07	394.9	
12	336	81.64	368.0	
13	345	69.24	303.9	
14	356	88.08	374.7	
15	369	112.29	460.7	
16	393	133.20	513.8	
17	412	105.78	388.6	
18	563	13.04	35.1	
19	578	24.81	65.0	
20	626	49.63	120.1	
21	650	39.75	92.7	
22	680	47.24	105.3	
23	732	81.06	167.8	
24	846	71.27	127.6	
25	932	36.85	59.9	
26	974	95.79	149.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : CMW14 350bp 1:5

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	1,241	31.31	38.2	
28	1,443	11.68	12.3	
29	1,558	5.73	5.6	
30	10,044	40.38	6.1	
31	10,380	75.00	10.9	Upper Marker

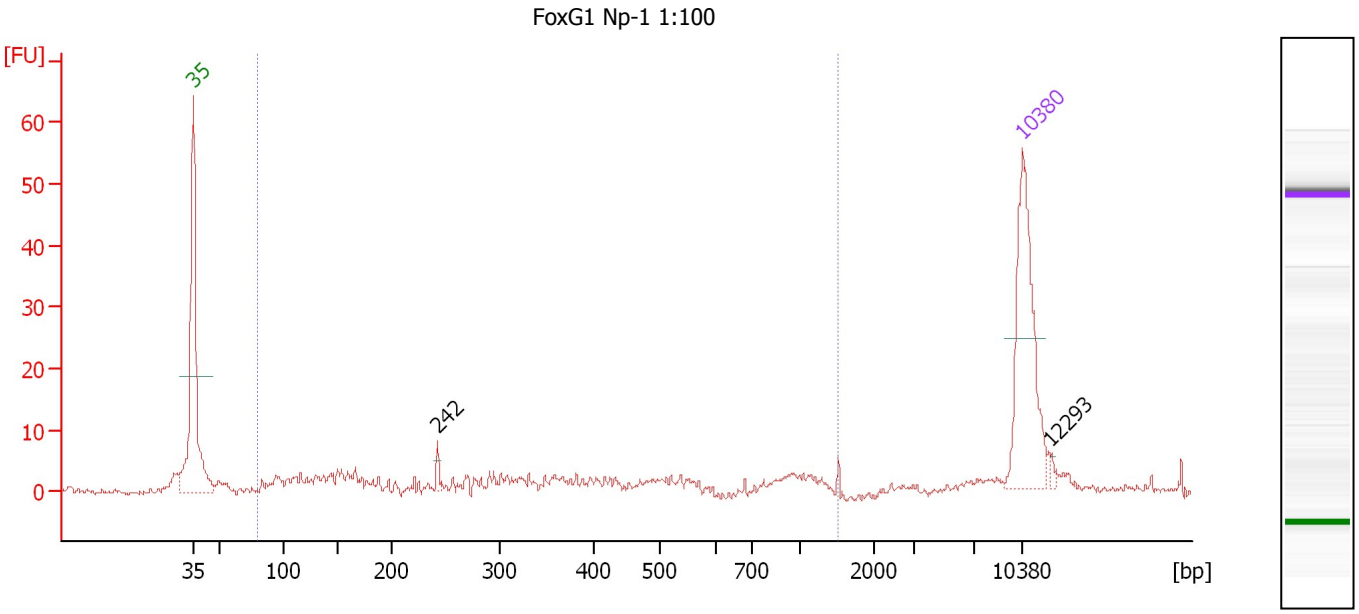
Region table for sample 2 : CMW14 350bp 1:5

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	10,595.6	517	2,606.97	1,806	1,161.2	92	56.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : FoxG1 Np-1 1:100

Number of peaks found:	2	Corr. Area 1:	73.2
Noise:	0.4		

Peak table for sample 3 : FoxG1 Np-1 1:100

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		242	5.67	35.5	
3	▶	10,380	75.00	10.9	Upper Marker
4		12,293	0.00	0.0	

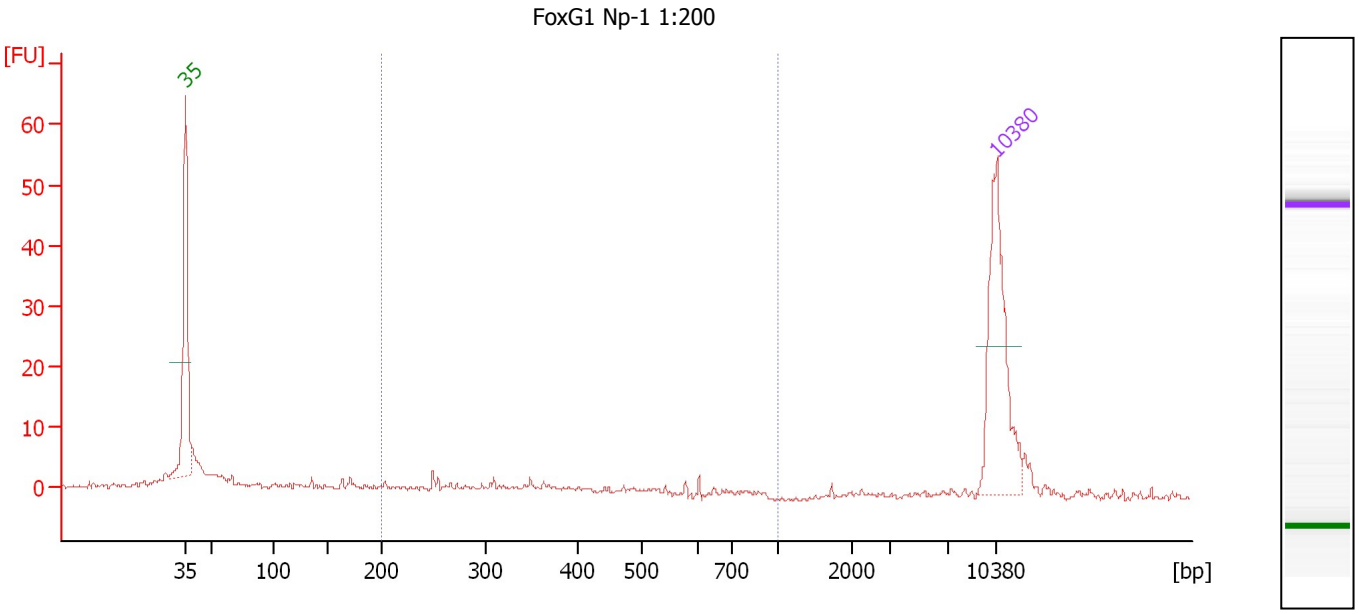
Region table for sample 3 : FoxG1 Np-1 1:100

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
79	798.9	437	111.85	1,509	73.2	77	73.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : FoxG1 Np-1 1:200

Number of peaks found:	0	Corr. Area 1:	24.2
Noise:	0.5		

Peak table for sample 4 : FoxG1 Np-1 1:200

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

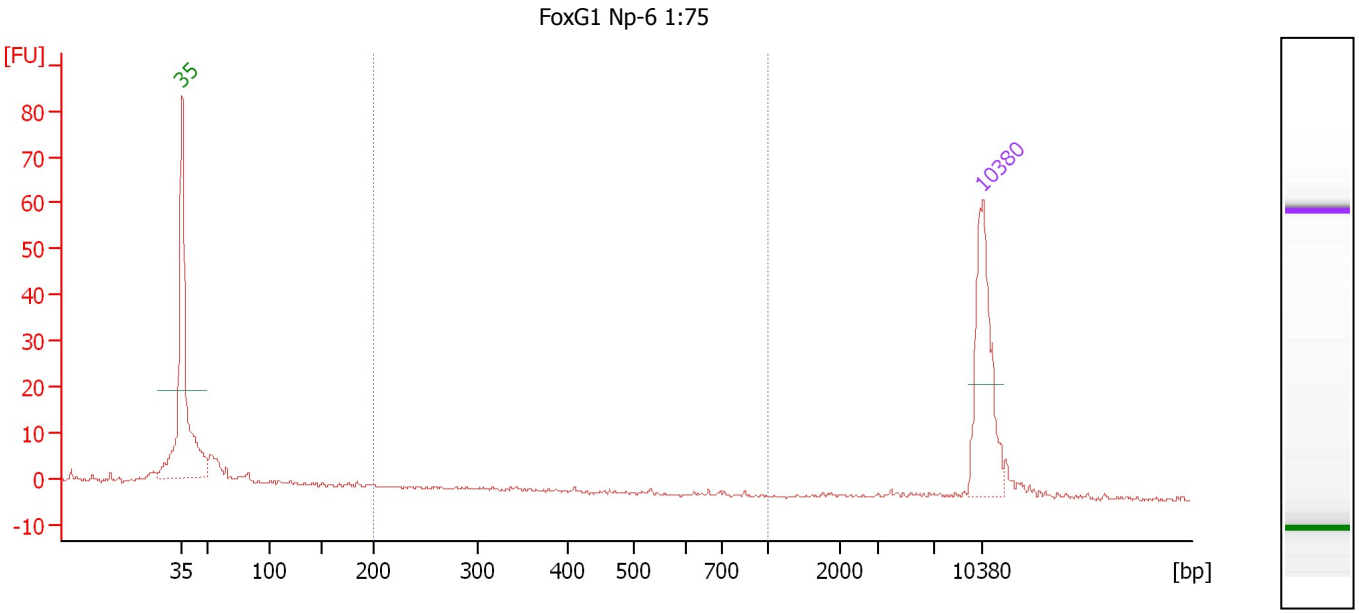
Region table for sample 4 : FoxG1 Np-1 1:200

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	156.8	384	33.75	1,000	24.2	29	37.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : FoxG1 Np-6 1:75

Number of peaks found:	0	Corr. Area 1:	0.0
Noise:	0.3		

Peak table for sample 5 : FoxG1 Np-6 1:75

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

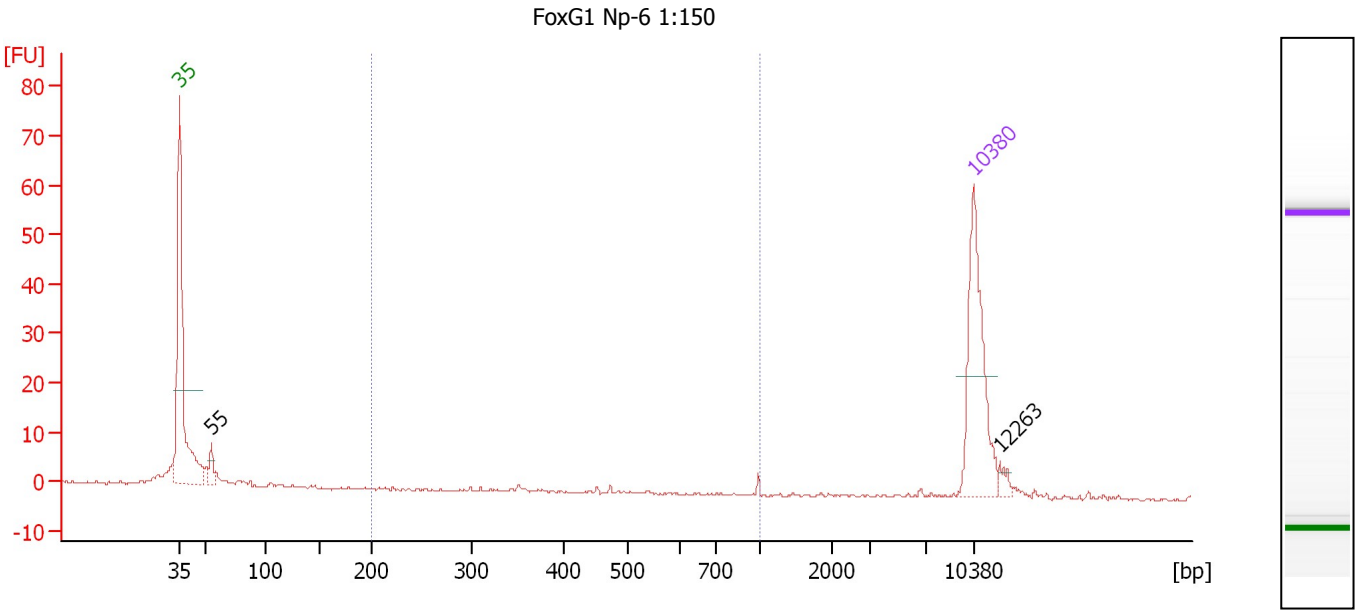
Region table for sample 5 : FoxG1 Np-6 1:75

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	0.0	0	0.00	1,000	0.0	0	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : FoxG1 Np-6 1:150

Number of peaks found:	2	Corr. Area 1:	1.9
Noise:	0.2		

Peak table for sample 6 : FoxG1 Np-6 1:150

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		55	14.10	391.2	
3	▶	10,380	75.00	10.9	Upper Marker
4		12,263	0.00	0.0	

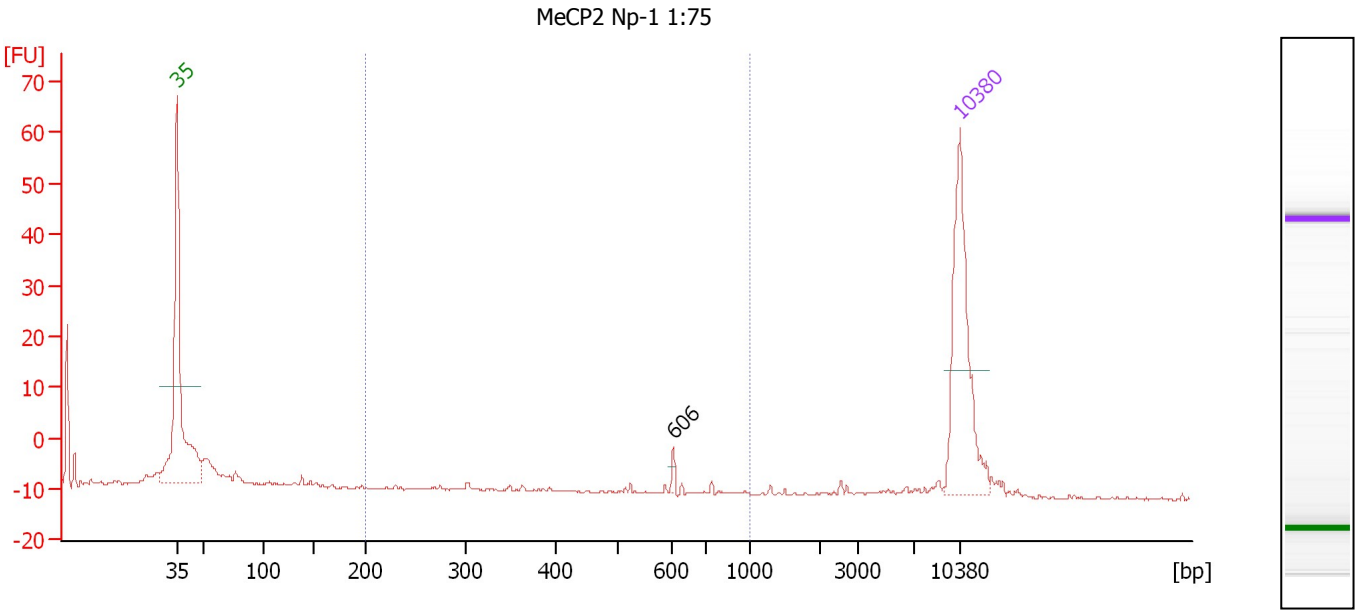
Region table for sample 6 : FoxG1 Np-6 1:150

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	6.8	697	2.32	1,000	1.9	5	41.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : MeCP2 Np-1 1:75

Number of peaks found:	1	Corr. Area 1:	36.5
Noise:	0.1		

Peak table for sample 7 : MeCP2 Np-1 1:75

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		606	3.61	9.0	
3	▶	10,380	75.00	10.9	Upper Marker

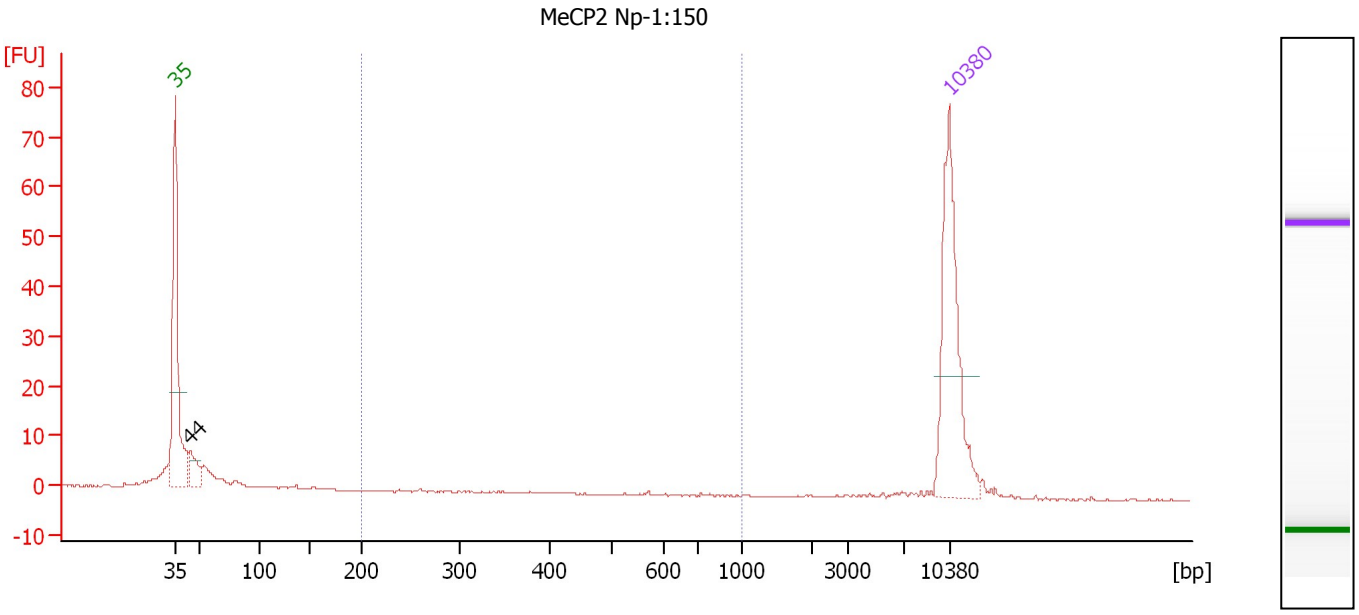
Region table for sample 7 : MeCP2 Np-1 1:75

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	176.2	455	41.43	1,000	36.5	23	41.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : MeCP2 Np-1:150

Number of peaks found:	1	Corr. Area 1:	0.6
Noise:	0.1		

Peak table for sample 8 : MeCP2 Np-1:150

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		44	19.77	682.5	
3	▶	10,380	75.00	10.9	Upper Marker

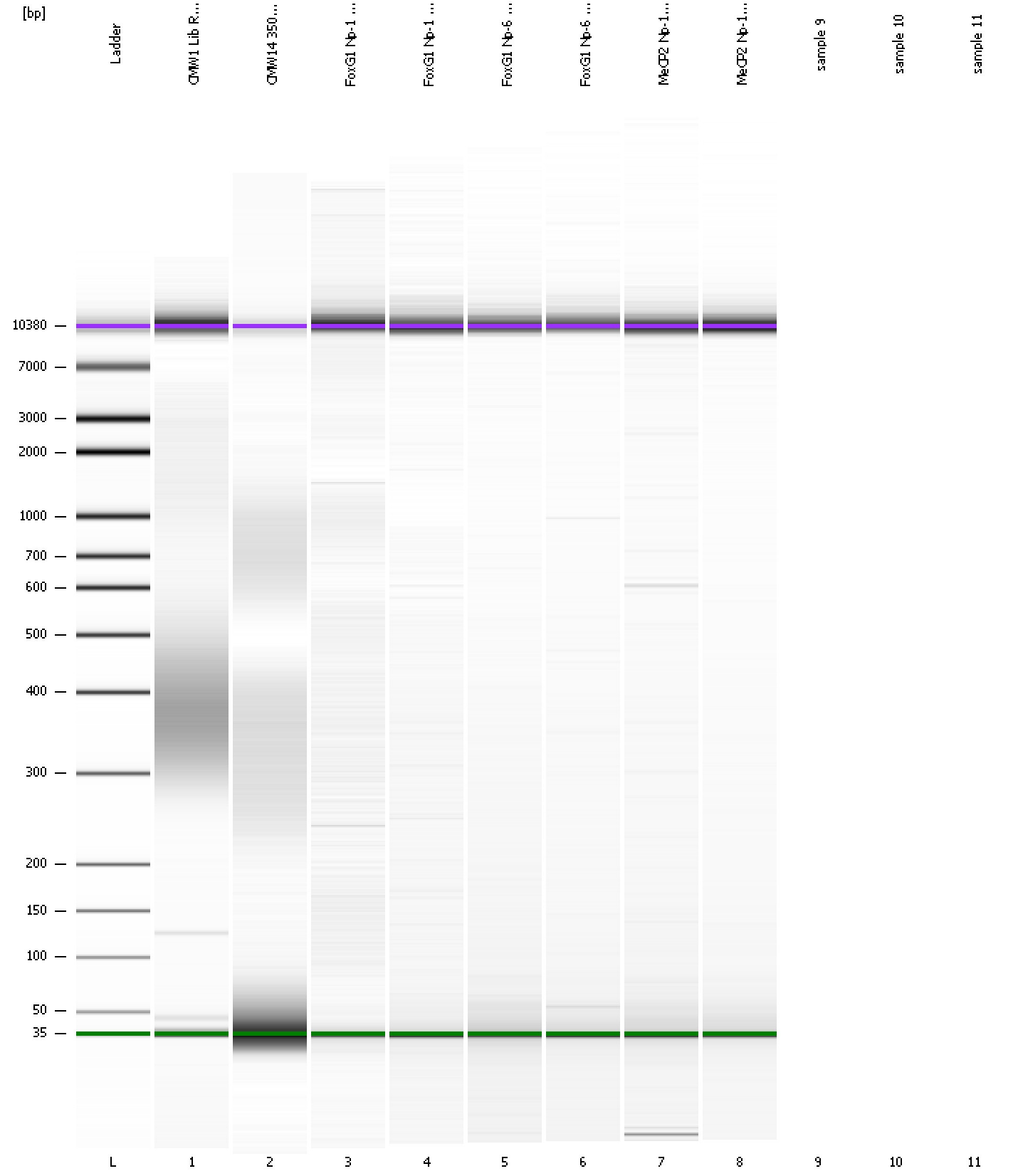
Region table for sample 8 : MeCP2 Np-1:150

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	2.4	448	0.56	1,000	0.6	1	39.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad

Created: 4/18/2012 4:37:34 PM
Modified: 4/18/2012 5:18:25 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		4/18/2012 5:10:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-18\2012-04-18_002.xad)		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/18/2012 4:37:39 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1