

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
Modified: 9/13/2017 11:57:28 AM

Electrophoresis File Run Summary

Instrument Information:

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

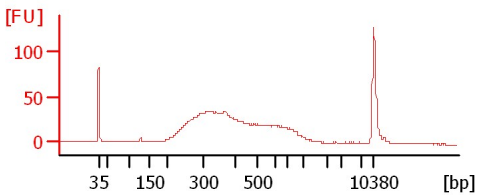
Assay Information:

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

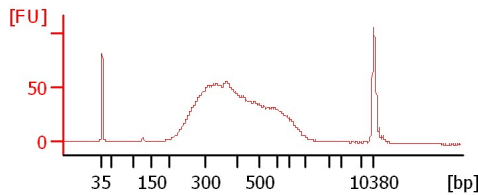
Chip Information:

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

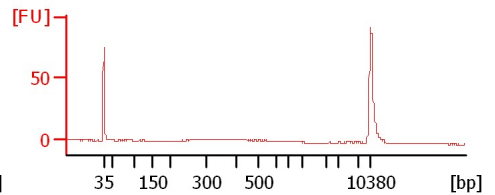
doublesize Mecp2ChIPseq 70



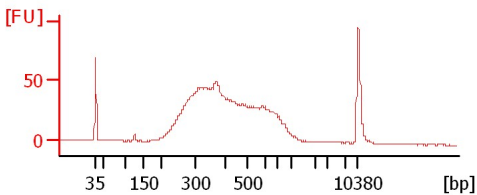
doublesize Mecp2ChIPseq 71



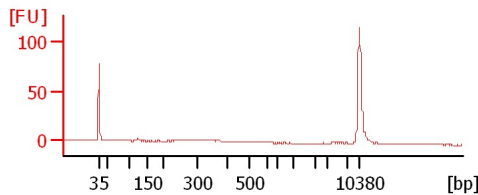
doublesize Mecp2ChIPseq 72



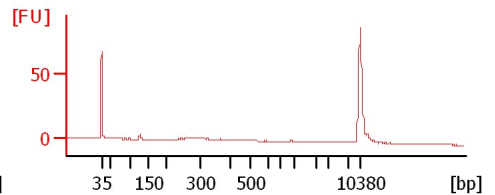
doublesize Mecp2ChIPseq 74



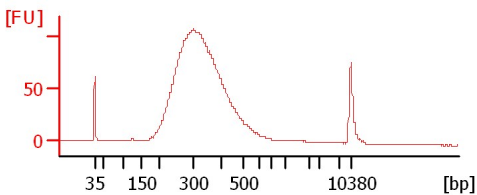
doublesize IgGChIPseq



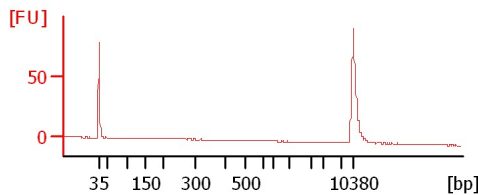
doublesize CTCFChIPseq



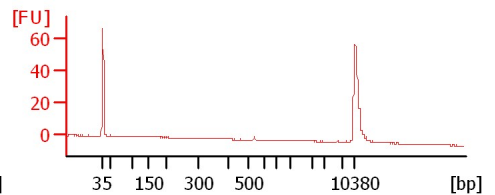
sample 7



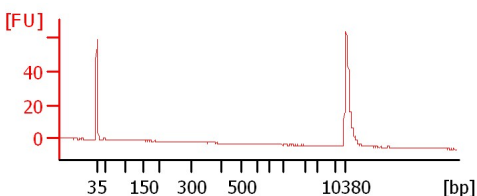
sample 8



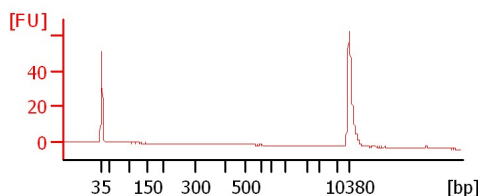
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
Modified: 9/13/2017 11:57:28 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
doublesize Mecp2ChIPseq 70		<input type="checkbox"/>	✓			
doublesize Mecp2ChIPseq 71		<input type="checkbox"/>	✓			
doublesize Mecp2ChIPseq 72		<input type="checkbox"/>	✓			
doublesize Mecp2ChIPseq74		<input type="checkbox"/>	✓			
doublesize IgGChIPseq		<input type="checkbox"/>	✓			
doublesize CTCFChIPseq		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>	✓			
sample 8		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

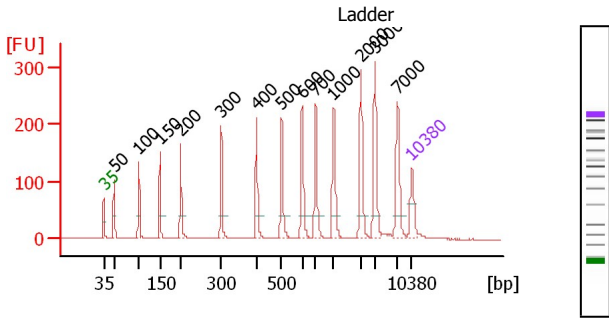
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary



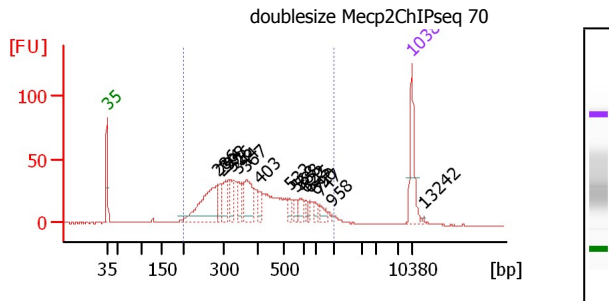
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.33
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.77
5	200	150.00	1,136.4	Ladder Peak	60.48
6	300	150.00	757.6	Ladder Peak	69.74
7	400	150.00	568.2	Ladder Peak	77.76
8	500	150.00	454.5	Ladder Peak	83.46
9	600	150.00	378.8	Ladder Peak	88.07
10	700	150.00	324.7	Ladder Peak	91.20
11	1,000	150.00	227.3	Ladder Peak	95.29
12	2,000	150.00	113.6	Ladder Peak	101.46
13	3,000	150.00	75.8	Ladder Peak	104.64

Overall Results for Ladder

Noise: 0.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.77
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : doublesize Mecp2ChIPseq 70

Number of peaks found: 16
 Noise: 0.2
 Corr. Area 1: 1,040.5

Region table for sample 1 : doublesize Mecp2ChIPseq 70

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV	Size distribution [%]
200	1,000	423	1,040.5	3,861.4	910.88	93	37.5

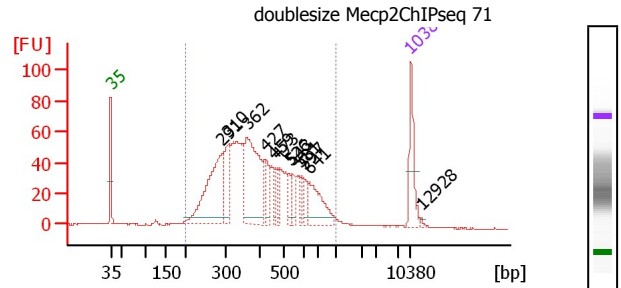
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : doublesize Mecp2ChIPseq 70

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	286	184.09	975.7		68.43
3	294	32.50	167.4		69.20
4	308	51.61	253.7		70.40
5	326	28.77	133.9		71.79
6	344	24.65	108.6		73.27
7	367	87.95	363.3		75.10
8	403	16.33	61.4		77.93
9	532	12.01	34.2		84.93
10	563	17.28	46.5		86.37
11	588	17.89	46.1		87.52
12	622	9.45	23.0		88.77
13	645	9.24	21.7		89.49
14	690	9.25	20.3		90.88
15	747	20.51	41.6		91.84
16	958	3.03	4.8		94.72
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,242	0.00	0.0		115.73



Overall Results for sample 2 : doublesize Mecp2ChIPseq 71

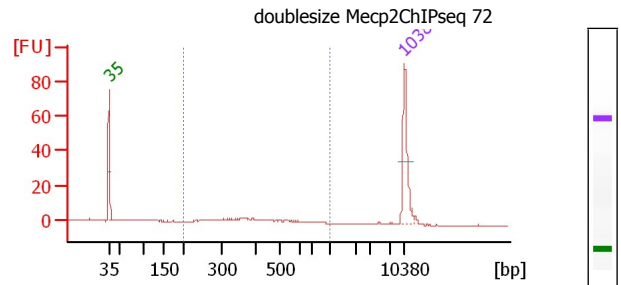
Number of peaks found: 12
 Noise: 0.1
 Corr. Area 1: 1,567.6

Region table for sample 2 : doublesize Mecp2ChIPseq 71

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Size distribution Total in CV [%]
200	1,000	423	1,567.6	6,484.3	1,565.3	95
			6		6	34.5

Peak table for sample 2 : doublesize Mecp2ChIPseq 71

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	291	311.23	1,617.9		68.95
3	310	134.32	657.4		70.50
4	362	308.63	1,290.6		74.74
5	427	38.40	136.2		79.31
6	459	31.84	105.1		81.12
7	473	33.36	106.8		81.94
8	526	33.40	96.2		84.67
9	543	29.97	83.6		85.45
10	581	23.23	60.6		87.20
11	597	35.16	89.2		87.93
12	641	101.80	240.7		89.34
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,928	0.00	0.0		115.43



Overall Results for sample 3 : doublesize Mecp2ChIPseq 72

Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 62.4

Region table for sample 3 : doublesize Mecp2ChIPseq 72

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Size distribution Total in CV [%]
200	1,000	431	62.4	278.0	67.57	71
						35.8

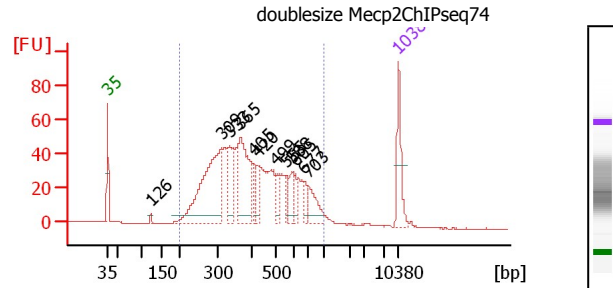
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary Continued ...

Peak table for sample 3 : doublesize Mecp2ChIPseq72

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4 : doublesize Mecp2ChIPseq74

Number of peaks found: 12
 Noise: 0.1
 Corr. Area 1: 1,354.8

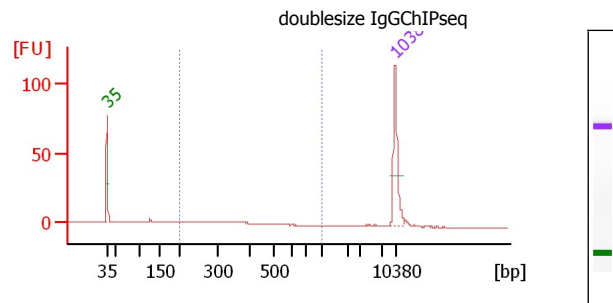
Region table for sample 4 : doublesize Mecp2ChIPseq74

From To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200 1,000	431	1,354.8	6,356.4	1,544.4	96	35.7

200 1,000 431 1,354.8 6,356.4 1,544.4 96 35.7

Peak table for sample 4 : doublesize Mecp2ChIPseq74

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	126	7.77	93.6		53.45
3	309	413.33	2,024.4		70.49
4	333	106.64	485.0		72.40
5	365	236.77	982.6		74.96
6	405	36.77	137.4		78.08
7	420	44.81	161.5		78.93
8	499	35.90	109.0		83.40
9	555	27.06	73.8		86.02
10	588	47.12	121.4		87.52
11	605	26.41	66.1		88.23
12	677	19.27	43.1		90.49
13	703	68.60	147.9		91.24
14	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 5 : doublesize IgGChIPseq

Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 42.8

Region table for sample 5 : doublesize IgGChIPseq

From To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200 1,000	345	42.8	198.4	40.93	55	29.9

200 1,000 345 42.8 198.4 40.93 55 29.9

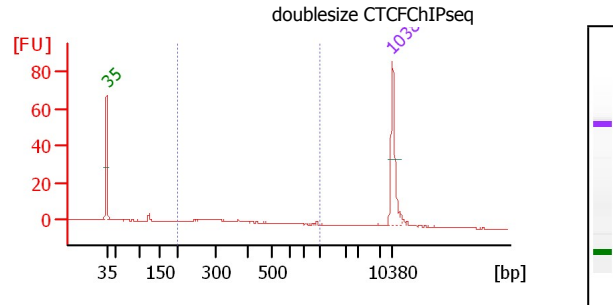
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary Continued ...

Peak table for sample 5 : doublesize IgGChIPseq

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 6 : doublesize CTCFChIPseq

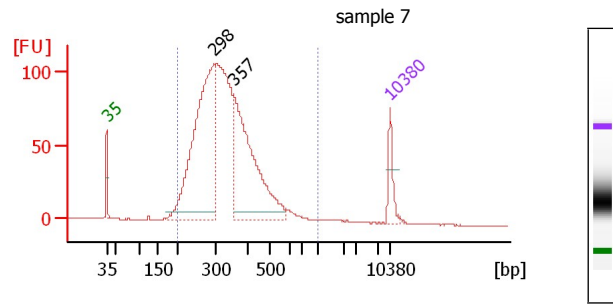
Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 32.7

Region table for sample 6 : doublesize CTCFChIPseq

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	380	32.7	192.8	41.46	59	40.6

Peak table for sample 6 : doublesize CTCFChIPseq

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 7 : sample 7

Number of peaks found: 2
 Noise: 0.1
 Corr. Area 1: 2,228.0

Region table for sample 7 : sample 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	341	2,228.0	14,337.2	2,981.6	97	26.7

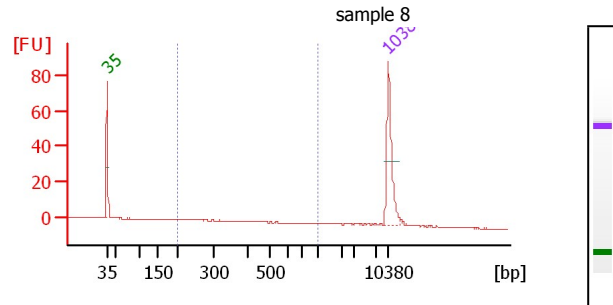
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary Continued ...

Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	298	1,232.69	6,261.4		69.58
3	357	861.17	3,654.2		74.32
4	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 8 : sample 8

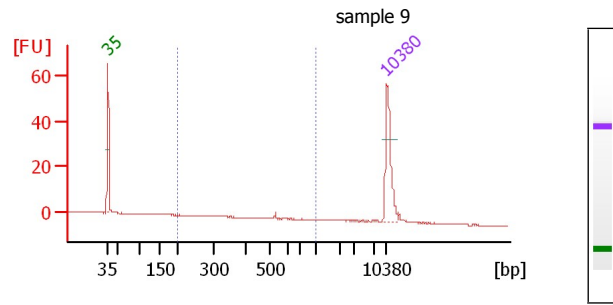
Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 11.9

Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]
200	1,000	441	11.9	53.2	12.00	35 45.7

Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 9 : sample 9

Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 7.2

Region table for sample 9 : sample 9

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]
200	1,000	433	7.2	44.2	9.96	27 41.2

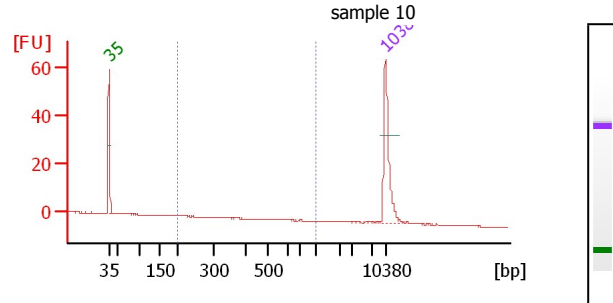
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
 Modified: 9/13/2017 11:57:28 AM

Electropherogram Summary Continued ...

Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 10 : sample 10

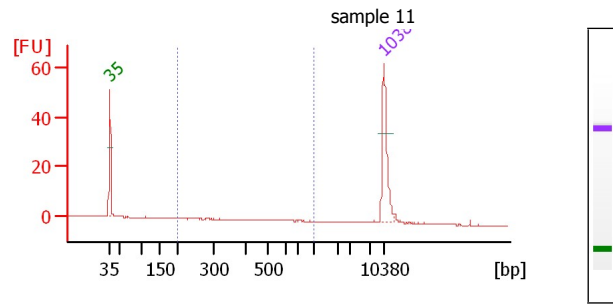
Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 0.5

Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μ Total]	% of Size distribution Total in CV [%]
200	1,000	374	0.5	3.3	0.64	5 48.7

Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 11 : sample 11

Number of peaks found: 0
 Noise: 0.1
 Corr. Area 1: 2.1

Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μ Total]	% of Size distribution Total in CV [%]
200	1,000	595	2.1	7.9	2.72	15 31.6

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_002.xad

Created: 9/13/2017 11:16:10 AM
Modified: 9/13/2017 11:57:28 AM

Gel Image