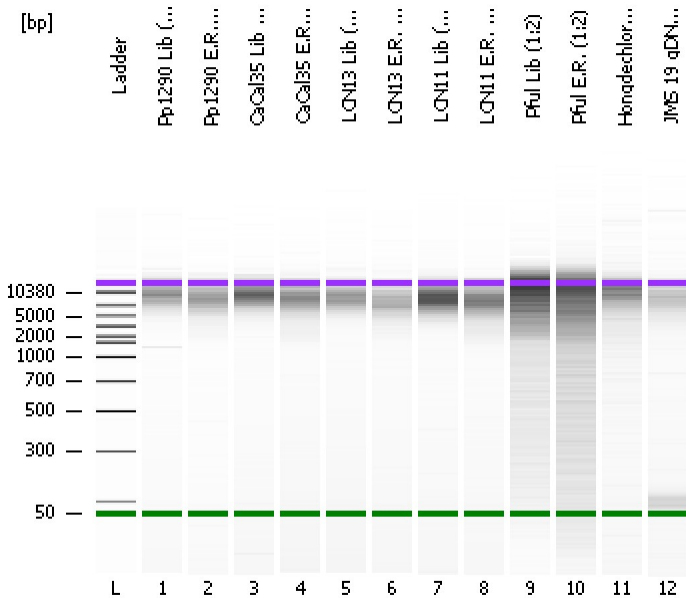


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
Modified: 3/6/2014 2:57:03 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\DNA 12000 Series II.xsy

Assay Class: DNA 12000

Version: 2.4

Assay Comments: DNA Analysis 100 -12000 bp

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Chip Information:

Chip Lot #:

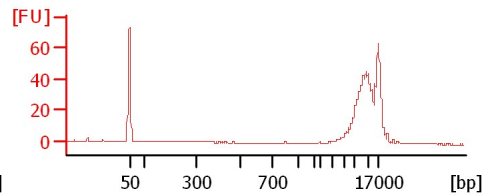
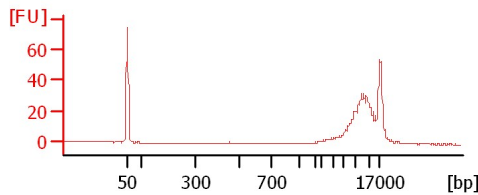
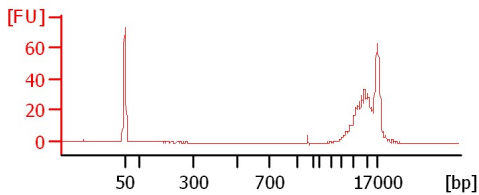
Reagent Kit Lot #:

Chip Comments:

Pp1290 Lib (1:2)

Pp1290 E.R. (1:2)

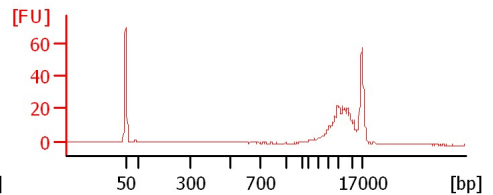
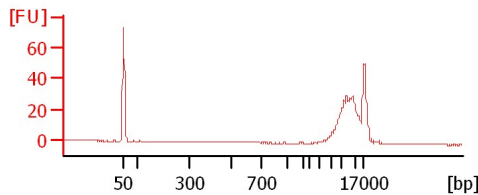
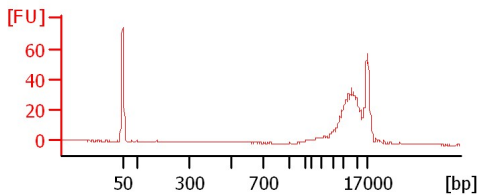
CaCal35 Lib (1:2)



CaCal35 E.R. (1:2)

LCN13 Lib (1:2)

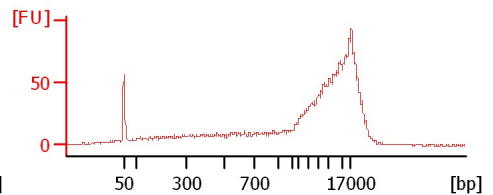
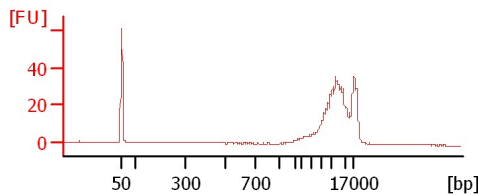
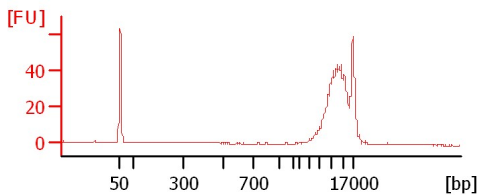
LCN13 E.R. (1:2)



LCN11 Lib (1:2)

LCN11 E.R. (1:2)

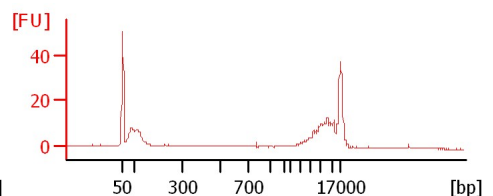
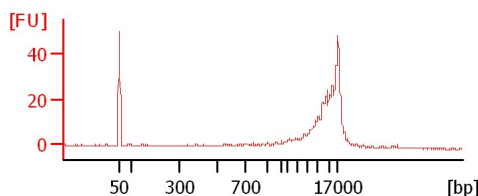
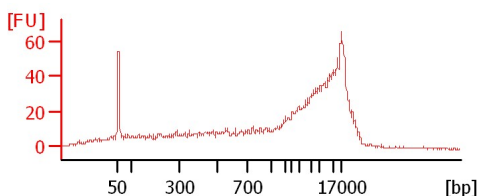
Pful Lib (1:2)



Pful E.R. (1:2)

Hongdechloris gDNA (1:2)

JMS 19 gDNA (1:20)



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
Modified: 3/6/2014 2:57:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pp1290 Lib (1:2)		<input type="checkbox"/>	✓			
Pp1290 E.R. (1:2)		<input type="checkbox"/>	✓			
CaCal35 Lib (1:2)		<input type="checkbox"/>	✓			
CaCal35 E.R. (1:2)		<input type="checkbox"/>	✓			
LCN13 Lib (1:2)		<input type="checkbox"/>	✓			
LCN13 E.R. (1:2)		<input type="checkbox"/>	✓			
LCN11 Lib (1:2)		<input type="checkbox"/>	✓			
LCN11 E.R. (1:2)		<input type="checkbox"/>	✓			
Pful Lib (1:2)		<input type="checkbox"/>	✓			
Pful E.R. (1:2)		<input type="checkbox"/>	✓			
Hongdechloris gDNA (1:2)		<input type="checkbox"/>	✓			
JMS 19 gDNA (1:20)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
Modified: 3/6/2014 2:57:03 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

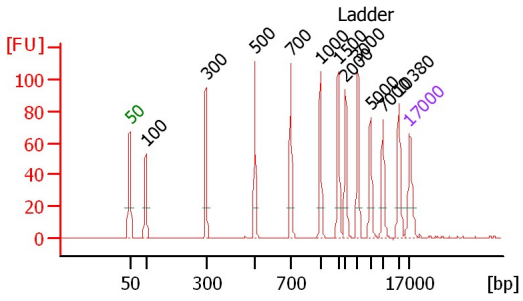
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

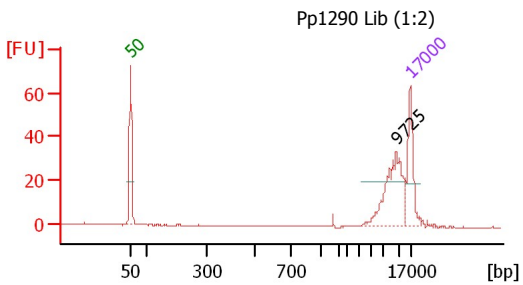
Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary



Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker



Overall Results for sample 1

Number of peaks found: 1

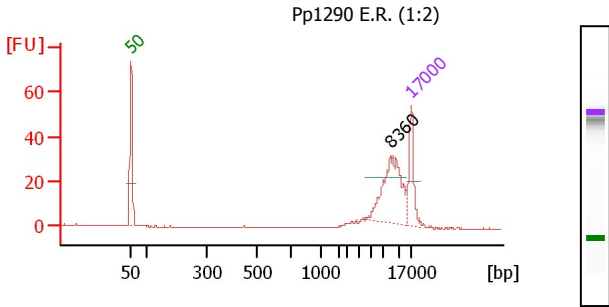
Peak table for sample 1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,725	6.48	1.0	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...

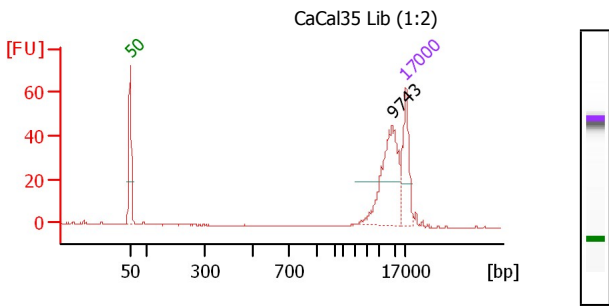


Overall Results for sample 2

Number of peaks found: 1

Peak table for sample 2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,360	8.90	1.6	
3	17,000	4.20	0.4	Upper Marker



Overall Results for sample 3

Number of peaks found: 1

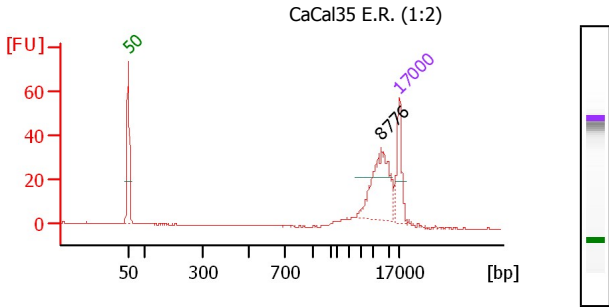
Peak table for sample 3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,743	8.93	1.4	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...

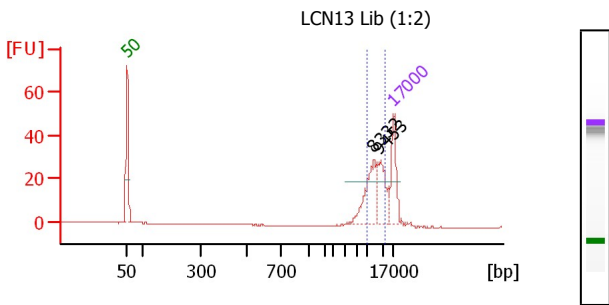


Overall Results for sample 4

Number of peaks found: 1

Peak table for sample 4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,776	8.84	1.5	
3	17,000	4.20	0.4	Upper Marker



Overall Results for sample 5

Number of peaks found: 2
 Area 1: 88.8

Region table for sample 5

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size of distribution in CV [%]	% of Total
6,896	12,197	8,959	7.44	88.8	14.2	69

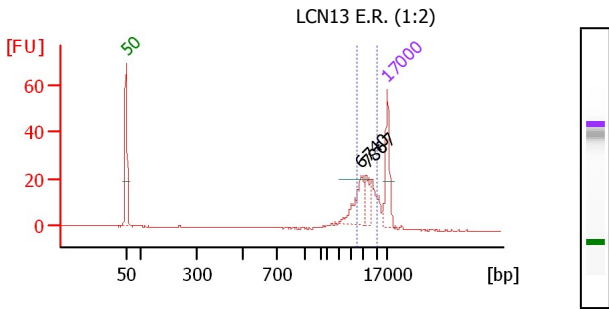
Peak table for sample 5

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,332	5.36	1.0	
3	9,453	3.89	0.6	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...



Peak table for sample 6

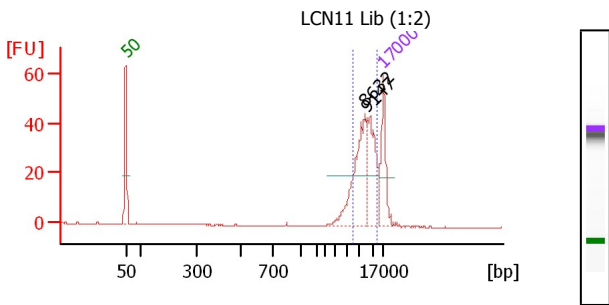
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,740	3.99	0.9	
3	7,867	1.67	0.3	
4	17,000	4.20	0.4	Upper Marker

Overall Results for sample 6

Number of peaks found: 2
 Area 1: 70.5

Region table for sample 6

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size o distribution I in CV [%]	% of Total
6,065	10,528	8,019	6.61	70.5	15.3	63



Peak table for sample 7

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,632	8.64	1.5	
3	9,147	5.37	0.9	
4	17,000	4.20	0.4	Upper Marker

Overall Results for sample 7

Number of peaks found: 2
 Area 1: 152.0

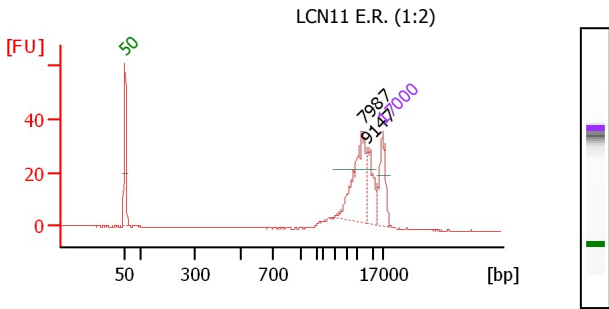
Region table for sample 7

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size o distribution I in CV [%]	% of Total
6,174	13,268	8,857	11.62	152.0	19.0	77

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...

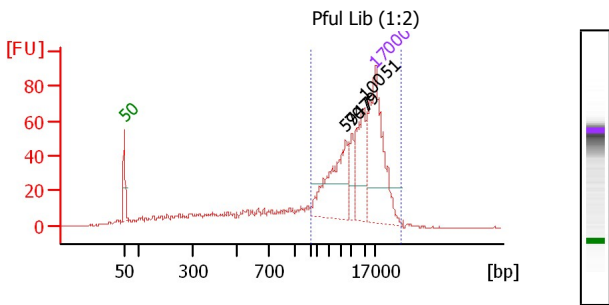


Overall Results for sample 8

Number of peaks found: 2

Peak table for sample 8

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	7,987	8.83	1.7	
3	9,147	3.88	0.6	
4	17,000	4.20	0.4	Upper Marker



Overall Results for sample 9

Number of peaks found: 3
 Area 1: 379.2

Region table for sample 9

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Size distribution in CV [%]	% of Total
1,511	33,929	11,387	6.43	379.2	63.0	62

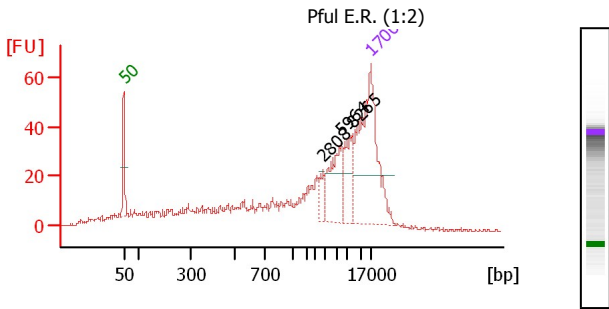
Peak table for sample 9

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,947	2.80	0.7	
3	7,079	0.75	0.2	
4	10,051	1.94	0.3	
5	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...

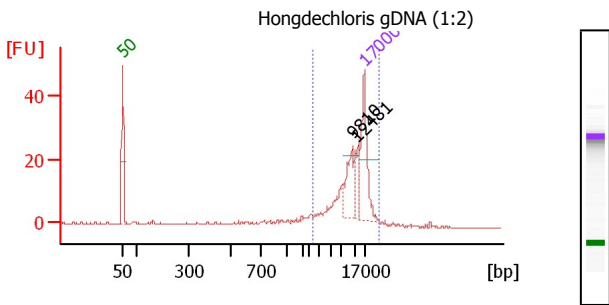


Overall Results for sample 10

Number of peaks found: 3

Peak table for sample 10

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,808	0.36	0.2	
3	5,964	1.58	0.4	
4	8,265	1.06	0.2	
5	17,000	4.20	0.4	Upper Marker



Peak table for sample 11

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,810	2.49	0.4	
3	12,481	0.96	0.1	
4	17,000	4.20	0.4	Upper Marker

Overall Results for sample 11

Number of peaks found: 2
 Area 1: 89.7

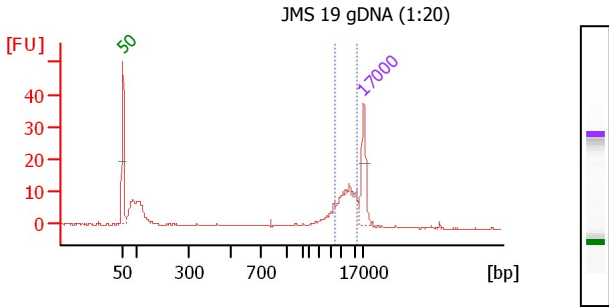
Region table for sample 11

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	C Size of distribution in CV [%]	% of Total
2,349	26,912	11,992	6.92	89.7	44.0	78

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
 Modified: 3/6/2014 2:57:03 PM

Electropherogram Summary Continued ...



Peak table for sample 12

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Overall Results for sample 12

Number of peaks found: 0
 Area 1: 39.1

Region table for sample 12

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Size of distribution in CV [%]	% of Total
5,861	12,098	8,481	5.03	39.1	18.2	44

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-06\2014-03-06_004.xad

Created: 3/6/2014 11:51:02 AM
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Gel Image

