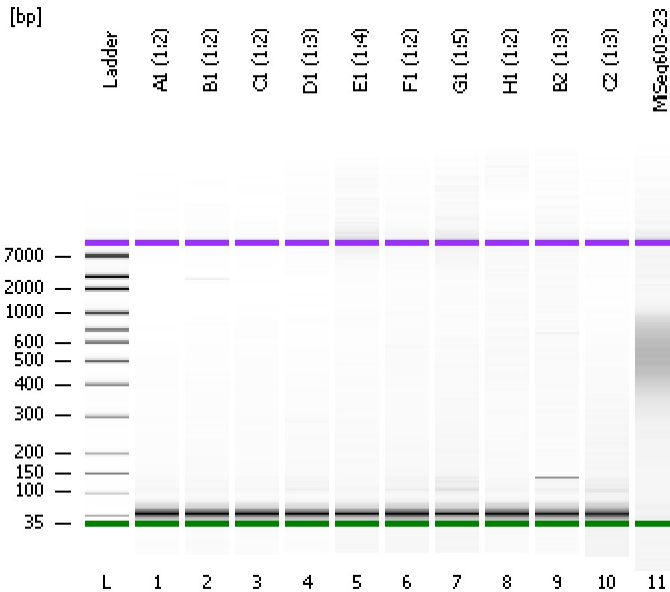


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
Modified: 12/14/2017 2:49:53 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

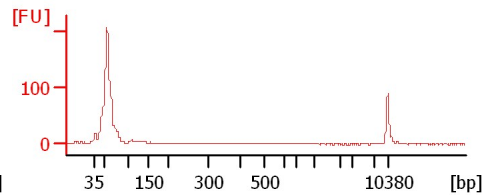
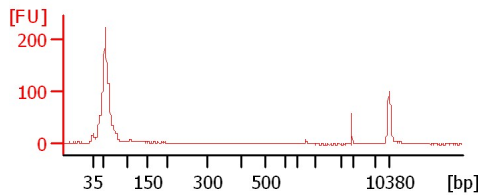
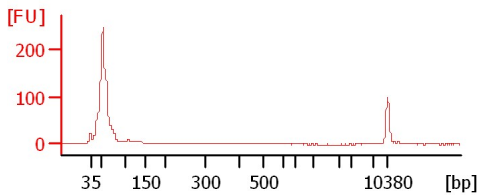
Chip Information:

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

A1 (1:2)

B1 (1:2)

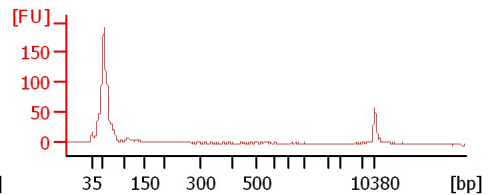
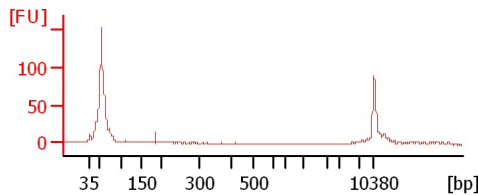
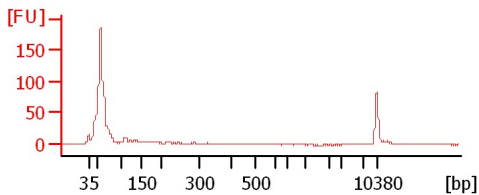
C1 (1:2)



D1 (1:3)

E1 (1:4)

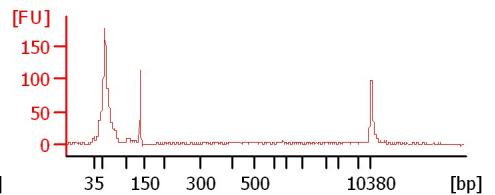
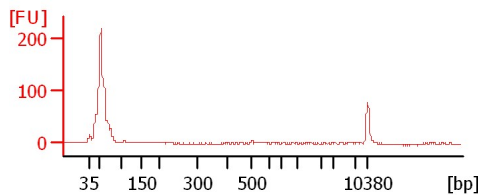
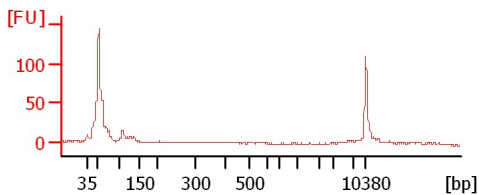
F1 (1:2)



G1 (1:5)

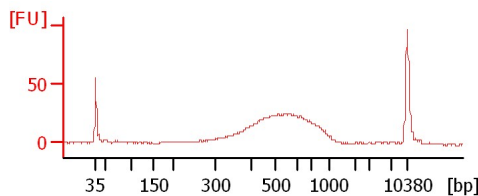
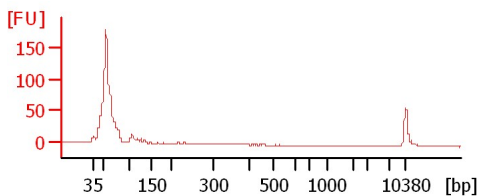
H1 (1:2)

B2 (1:3)



C2 (1:3)

MiSeq603-23



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1 (1:2)		<input type="checkbox"/>	✓			
B1 (1:2)		<input type="checkbox"/>	✓			
C1 (1:2)		<input type="checkbox"/>	✓			
D1 (1:3)		<input type="checkbox"/>	✓			
E1 (1:4)		<input type="checkbox"/>	✓			
F1 (1:2)		<input type="checkbox"/>	✓			
G1 (1:5)		<input type="checkbox"/>	✓			
H1 (1:2)		<input type="checkbox"/>	✓			
B2 (1:3)		<input type="checkbox"/>	✓			
C2 (1:3)		<input type="checkbox"/>	✓			
MiSeq603-23		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

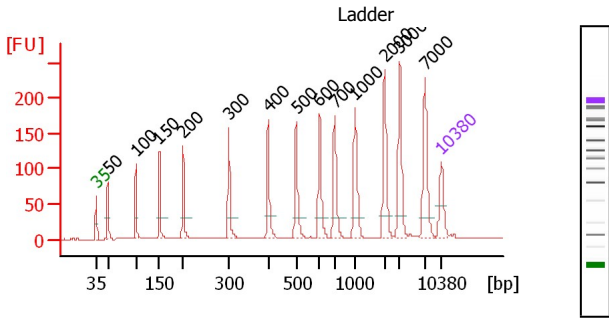
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary



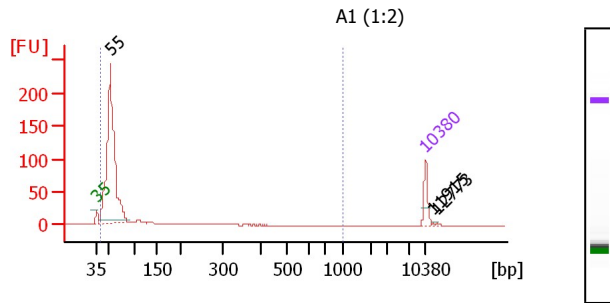
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.04
4	150	150.00	1,515.2	Ladder Peak	55.84
5	200	150.00	1,136.4	Ladder Peak	60.65
6	300	150.00	757.6	Ladder Peak	69.94
7	400	150.00	568.2	Ladder Peak	77.88
8	500	150.00	454.5	Ladder Peak	83.57
9	600	150.00	378.8	Ladder Peak	88.33
10	700	150.00	324.7	Ladder Peak	91.38
11	1,000	150.00	227.3	Ladder Peak	95.53
12	2,000	150.00	113.6	Ladder Peak	101.54
13	3,000	150.00	75.8	Ladder Peak	104.59

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1

Number of peaks found: 3
 Noise: 0.2
 Corr. Area 1: 1,236.6

Region table for sample 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]	Size distribution
39	1,000	66	1,236.6	2,073.2	53,966.2	98	59.4

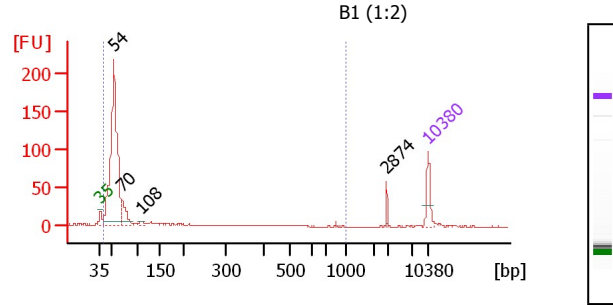
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary Continued ...

Peak table for sample 1

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	55	1,904.78	52,775.9		45.89
3	10,380	75.00	10.9	Upper Marker	113.00
4	11,915	0.00	0.0		114.51
5	12,773	0.00	0.0		115.36



Overall Results for sample 2

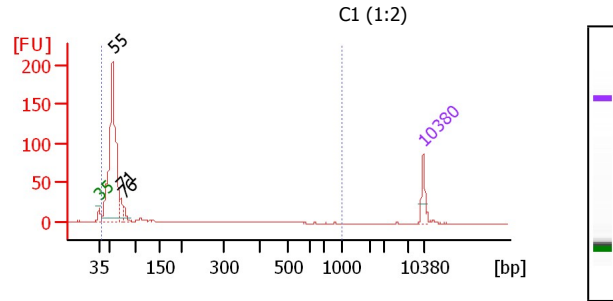
Number of peaks found: 4
 Noise: 0.4
 Corr. Area 1: 1,051.5

Region table for sample 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
38	1,000	72	1,051.5	1,907.3	49,744.4	91.7

Peak table for sample 2

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	54	1,613.54	44,936.0		45.86
3	70	159.54	3,447.4		47.64
4	108	21.18	297.5		51.79
5	2,874	12.69	6.7		104.21
6	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3

Number of peaks found: 3
 Noise: 0.5
 Corr. Area 1: 976.7

Region table for sample 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
39	1,000	78	976.7	1,936.0	50,302.8	100.0

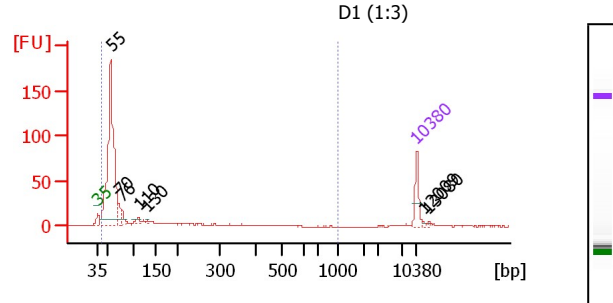
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary Continued ...

Peak table for sample 3

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	55	1,639.93	45,454.6		45.89
3	71	89.59	1,924.4		47.69
4	76	65.66	1,300.7		48.37
5	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4

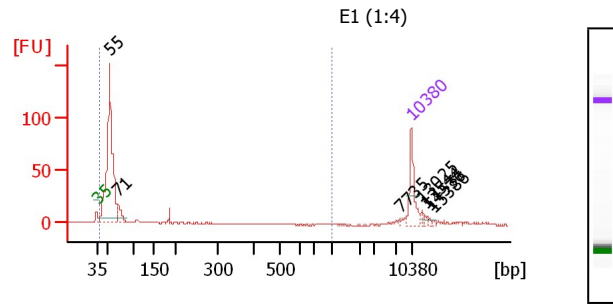
Number of peaks found: 7
 Noise: 0.4
 Corr. Area 1: 901.6

Region table for sample 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
41	1,000	89	901.6	1,735.3	42,807.8	95.8

Peak table for sample 4

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	55	1,347.97	37,364.9		45.89
3	70	73.25	1,586.0		47.63
4	76	46.18	915.5		48.36
5	110	37.69	520.3		51.98
6	130	11.70	136.6		53.90
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,009	0.00	0.0		114.60
9	13,080	0.00	0.0		115.66



Overall Results for sample 5

Number of peaks found: 7
 Noise: 0.4
 Corr. Area 1: 608.5

Region table for sample 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
39	1,000	73	608.5	936.02	24,377.4	100.0

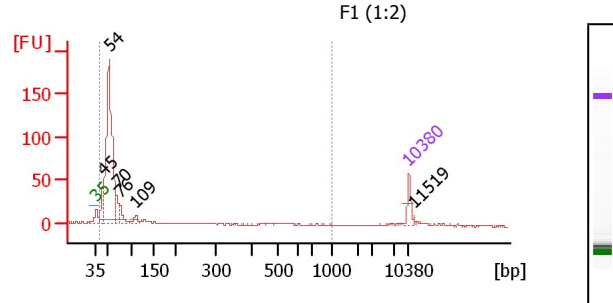
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary Continued ...

Peak table for sample 5

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	55	797.50	22,121.7		45.88
3	71	74.76	1,595.8		47.74
4	7,735	2.54	0.5		110.40
5	10,380	75.00	10.9	Upper Marker	113.00
6	13,025	0.00	0.0		115.60
7	13,544	0.00	0.0		116.11
8	14,536	0.00	0.0		117.09
9	15,386	0.00	0.0		117.93



Overall Results for sample 6

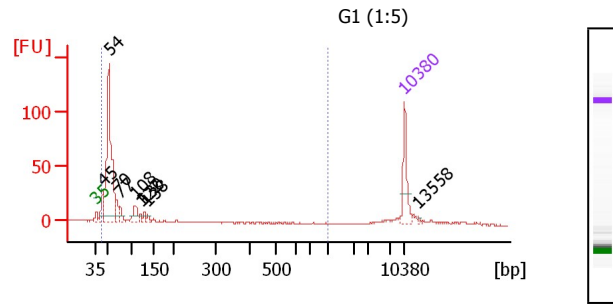
Number of peaks found: 6
 Noise: 0.6
 Corr. Area 1: 939.6

Region table for sample 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
39	1,000	80	939.6	2,901.5	75,684.0	94
1						

Peak table for sample 6

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	45	241.00	8,147.7		44.54
3	54	2,207.65	61,548.1		45.85
4	70	136.78	2,944.7		47.67
5	76	116.59	2,320.2		48.33
6	109	61.97	863.6		51.88
7	10,380	75.00	10.9	Upper Marker	113.00
8	11,519	0.00	0.0		114.12



Overall Results for sample 7

Number of peaks found: 9
 Noise: 0.5
 Corr. Area 1: 597.7

Region table for sample 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
41	1,000	71	597.7	938.26	23,499.9	90
1						

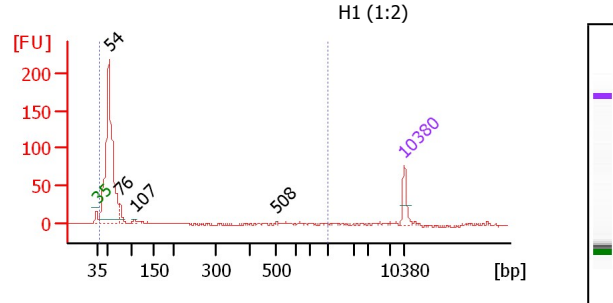
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary Continued ...

Peak table for 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	45	66.50	2,241.2		44.56
3	54	671.40	18,739.2		45.84
4	70	45.29	978.4		47.64
5	77	38.37	756.9		48.40
6	108	59.03	831.4		51.77
7	122	10.45	129.9		53.14
8	130	16.60	193.8		53.90
9	138	13.86	152.0		54.71
10	10,380	75.00	10.9	Upper Marker	113.00
11	13,558	0.00	0.0		116.13



Overall Results for sample 8

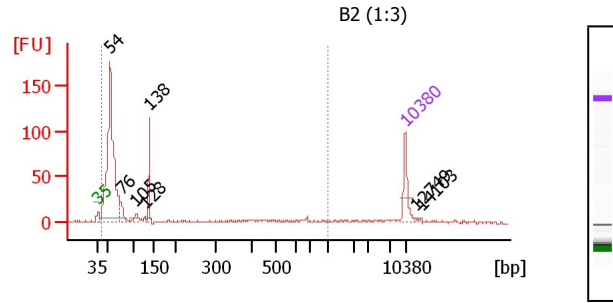
Number of peaks found: 4
 Noise: 0.6
 Corr. Area 1: 1,030.7

Region table for sample 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
40	1,000	91	1,030.7	2,053.7	53,472.7	96

Peak table for 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	54	1,825.72	51,319.4		45.80
3	76	99.23	1,977.4		48.32
4	107	21.43	302.8		51.73
5	508	3.01	9.0		83.96
6	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 9

Number of peaks found: 7
 Noise: 0.9
 Corr. Area 1: 864.7

Region table for sample 9

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
41	1,000	110	864.7	1,404.7	34,288.1	94

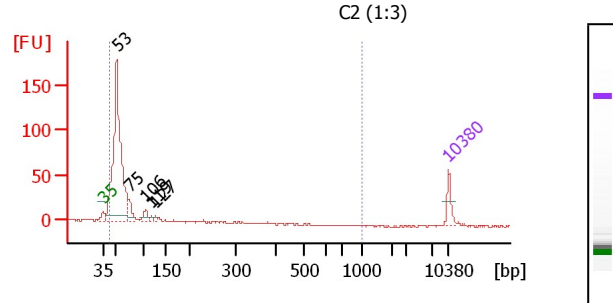
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
 Modified: 12/14/2017 2:49:53 PM

Electropherogram Summary Continued ...

Peak table for 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	54	1,142.88	32,085.4		45.81
3	76	64.33	1,279.9		48.33
4	105	33.17	476.4		51.57
5	128	10.47	124.2		53.71
6	138	110.00	1,206.4		54.71
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,749	0.00	0.0		115.33
9	14,103	0.00	0.0		116.66



Overall Results for sample 10

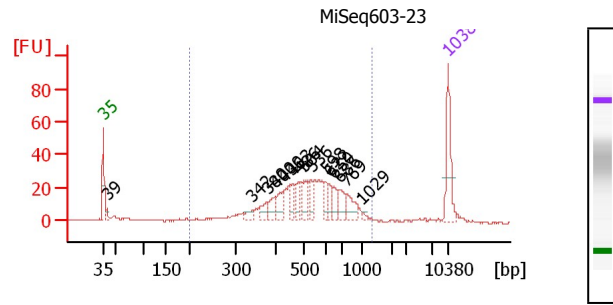
Number of peaks found: 5
 Noise: 0.5
 Corr. Area 1: 798.4

Region table for sample 10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
42	1,000	61	798.4	2,164.8	56,810.3	30.4

Peak table for 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	53	1,989.82	56,656.4		45.72
3	75	117.15	2,351.6		48.25
4	106	81.97	1,174.2		51.59
5	119	16.84	214.9		52.84
6	127	19.40	232.1		53.60
7	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 11 : MiSeq603-23

Number of peaks found: 15
 Noise: 0.5
 Corr. Area 1: 566.9

Region table for sample 11 : MiSeq603-23

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
200	1,330	545	566.9	679.54	2,178.2	32.3

Peak table for sample 11 : MiSeq603-23

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	39	15.15	582.1		43.70
3	342	19.21	85.0		73.31
4	380	24.38	97.2		76.29

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
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Gel Image

5 400 35.15 133.2 77.88

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-14\2017-12-14_003.xad

Created: 12/14/2017 2:05:25 PM
Modified: 12/14/2017 2:49:53 PM

Gel Image

