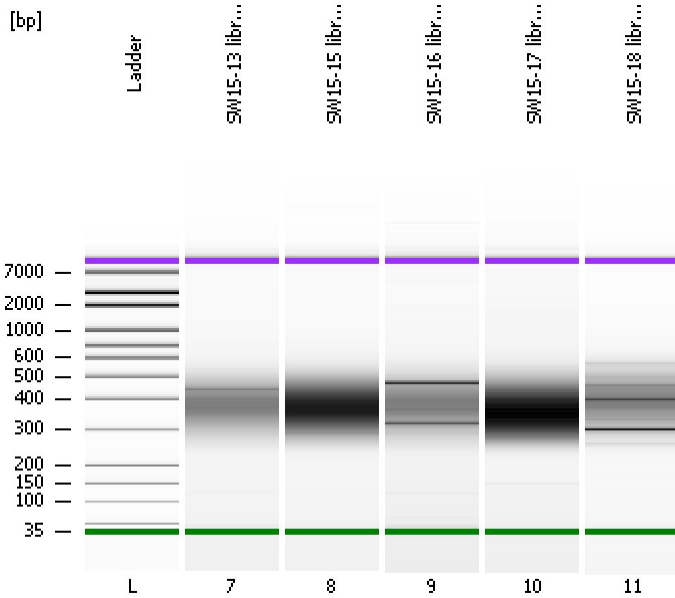


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
Modified: 7/29/2015 4:12:41 PM

Electrophoresis File Run Summary



Instrument Information:

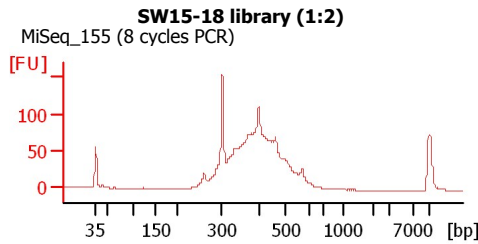
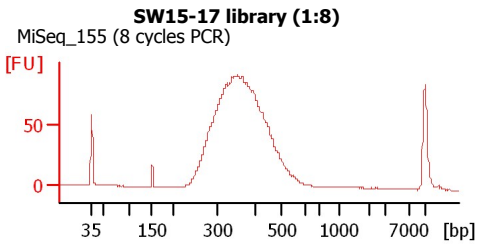
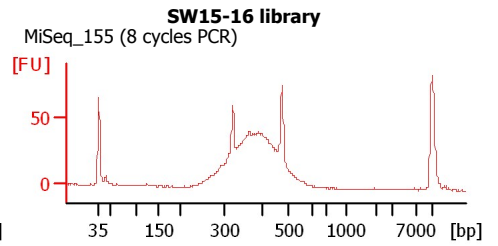
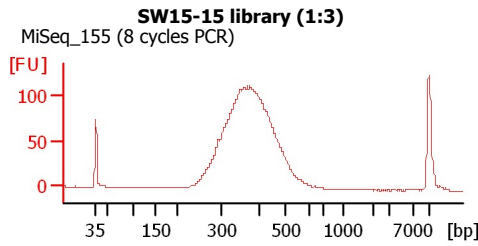
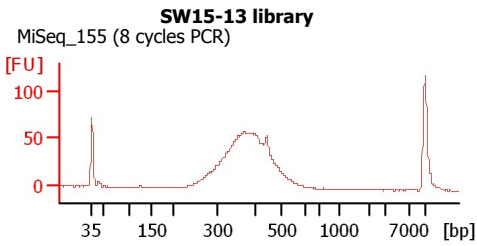
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
Modified: 7/29/2015 4:12:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SW15-13 library	MiSeq_155 (8 cycles PCR)	<input type="checkbox"/>	✓			
SW15-15 library (1:3)	MiSeq_155 (8 cycles PCR)	<input type="checkbox"/>	✓			
SW15-16 library	MiSeq_155 (8 cycles PCR)	<input type="checkbox"/>	✓			
SW15-17 library (1:8)	MiSeq_155 (8 cycles PCR)	<input type="checkbox"/>	✓			
SW15-18 library (1:2)	MiSeq_155 (8 cycles PCR)	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
Modified: 7/29/2015 4:12:41 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

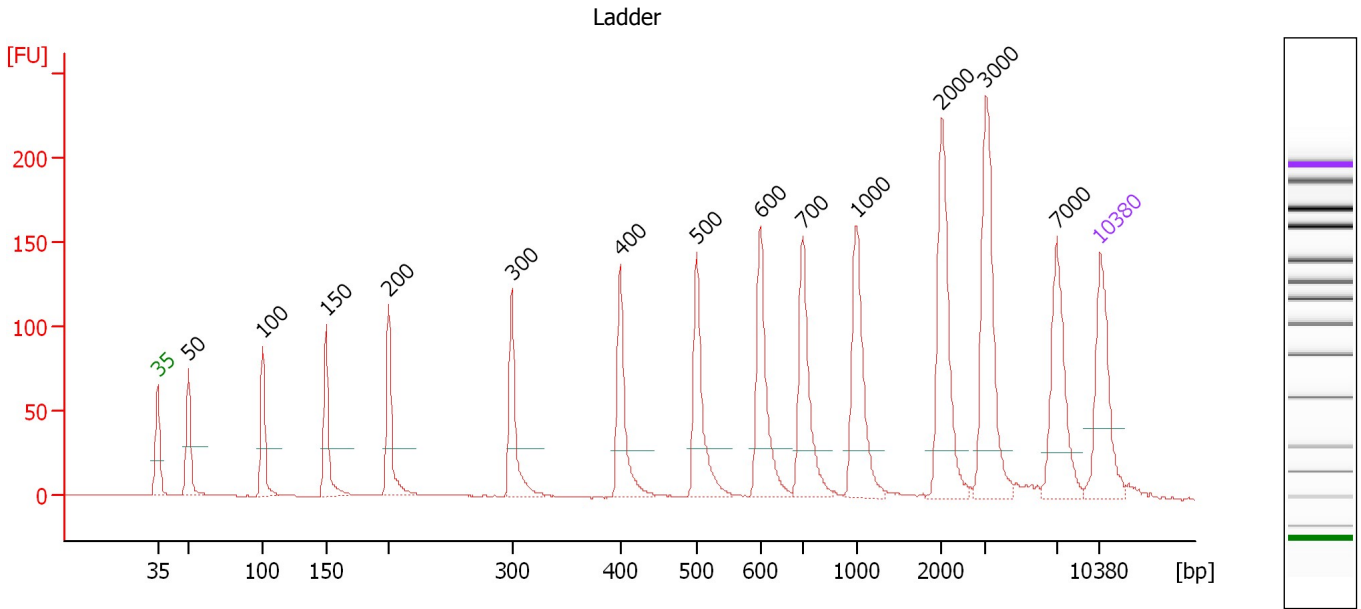
Ladder

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:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

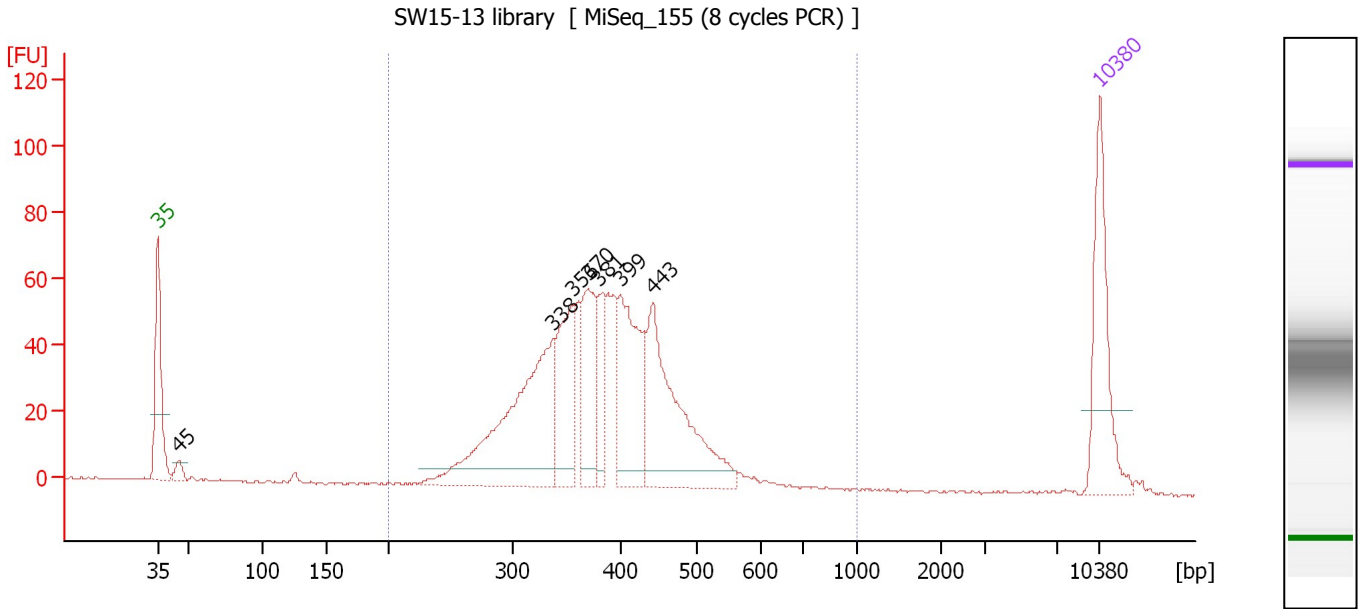
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.32
3	100	150.00	2,272.7	Ladder Peak	50.80
4	150	150.00	1,515.2	Ladder Peak	55.53
5	200	150.00	1,136.4	Ladder Peak	60.17
6	300	150.00	757.6	Ladder Peak	69.31
7	400	150.00	568.2	Ladder Peak	77.38
8	500	150.00	454.5	Ladder Peak	83.04
9	600	150.00	378.8	Ladder Peak	87.76
10	700	150.00	324.7	Ladder Peak	90.93
11	1,000	150.00	227.3	Ladder Peak	94.90
12	2,000	150.00	113.6	Ladder Peak	101.23
13	3,000	150.00	75.8	Ladder Peak	104.53
14	7,000	150.00	32.5	Ladder Peak	109.79
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SW15-13 library

Number of peaks found: 7 Corr. Area 1: 964.9
 Noise: 0.4

Peak table for sample 7 : SW15-13 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	11.74	396.2		44.53
3	338	231.24	1,037.1		72.36
4	356	91.56	390.2		73.79
5	370	80.89	331.1		74.97
6	381	44.65	177.8		75.81
7	399	124.90	473.7		77.33
8	443	169.30	579.3		79.80
9	10,380	75.00	10.9	Upper Marker	113.00

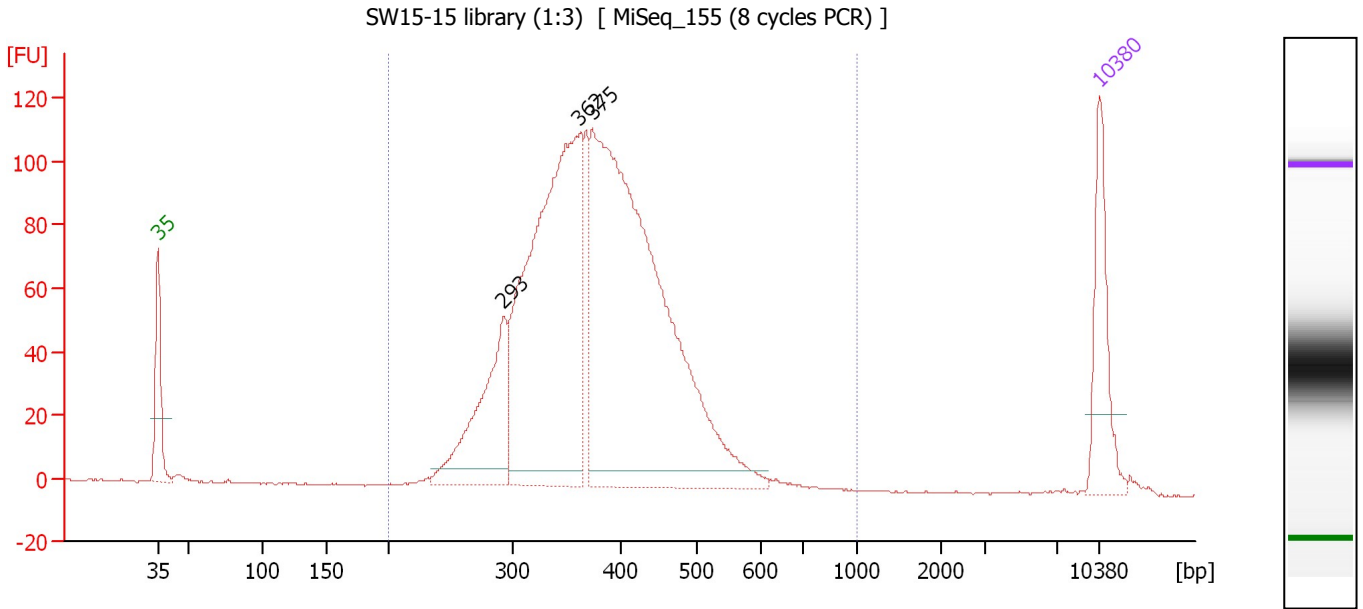
Region table for sample 7 : SW15-13 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	389	1,000	964.9	3,562.0	97	19.4	873.09

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SW15-15 library (1:3)

Number of peaks found: 3 Corr. Area 1: 1,847.1
 Noise: 0.2

Peak table for sample 8 : SW15-15 library (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	293	187.12	967.4		68.67
3	362	602.03	2,516.9		74.34
4	375	824.95	3,335.3		75.34
5	10,380	75.00	10.9	Upper Marker	113.00

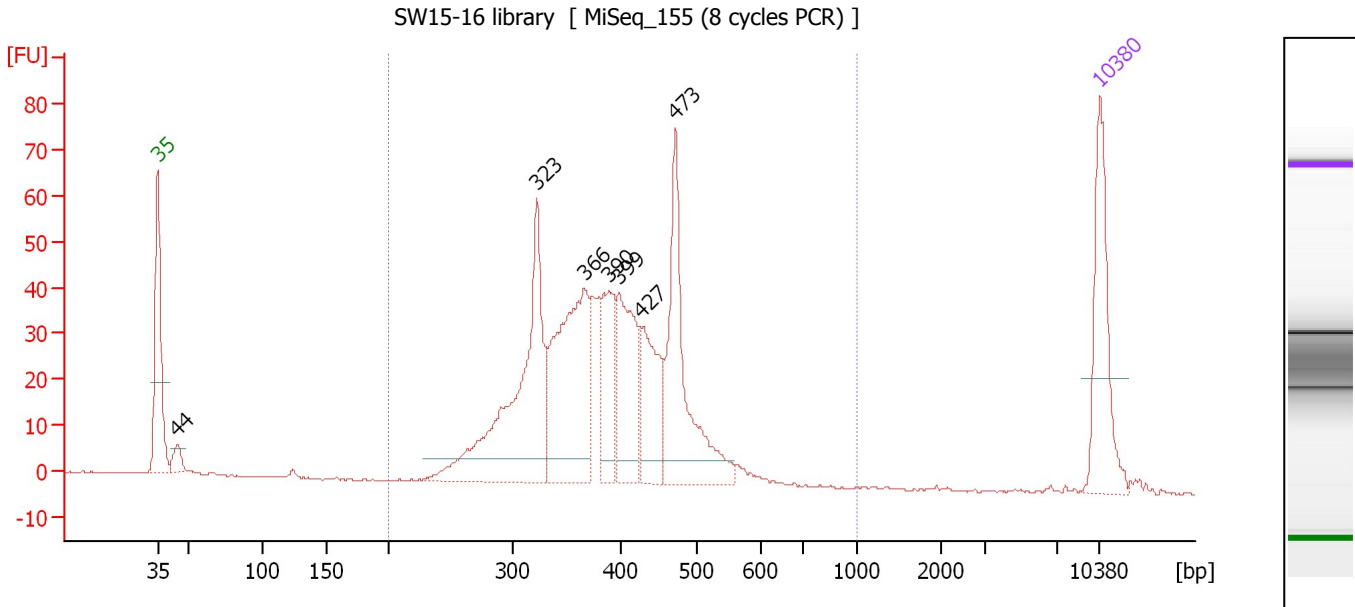
Region table for sample 8 : SW15-15 library (1:3)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	382	1,000	1,847.1	6,997.5	99	18.8	1,686.79

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SW15-16 library

Number of peaks found: 7 Corr. Area 1: 749.0
 Noise: 0.2

Peak table for sample 9 : SW15-16 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	44	17.30	590.4		44.45
3	323	241.58	1,133.3		71.16
4	366	191.46	791.6		74.67
5	390	72.13	280.2		76.57
6	399	100.65	381.9		77.32
7	427	81.43	289.3		78.88
8	473	157.44	504.8		81.48
9	10,380	75.00	10.9	Upper Marker	113.00

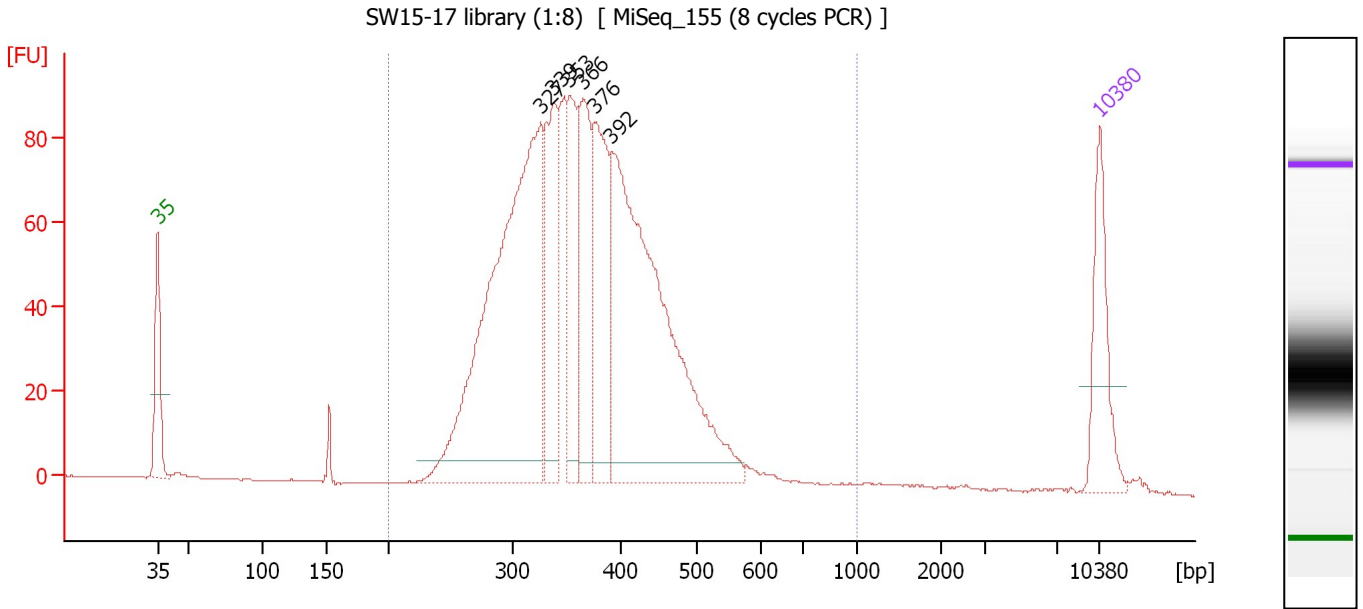
Region table for sample 9 : SW15-16 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	391	1,000	749.0	3,771.4	97	18.4	930.97

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SW15-17 library (1:8)

Number of peaks found: 6 Corr. Area 1: 1,599.9
 Noise: 0.2

Peak table for sample 10 : SW15-17 library (1:8)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	327	652.57	3,026.9		71.46
3	339	164.22	734.9		72.42
4	353	133.27	571.9		73.59
5	366	141.60	586.8		74.60
6	376	175.73	707.6		75.46
7	392	561.43	2,169.9		76.73
8	10,380	75.00	10.9	Upper Marker	113.00

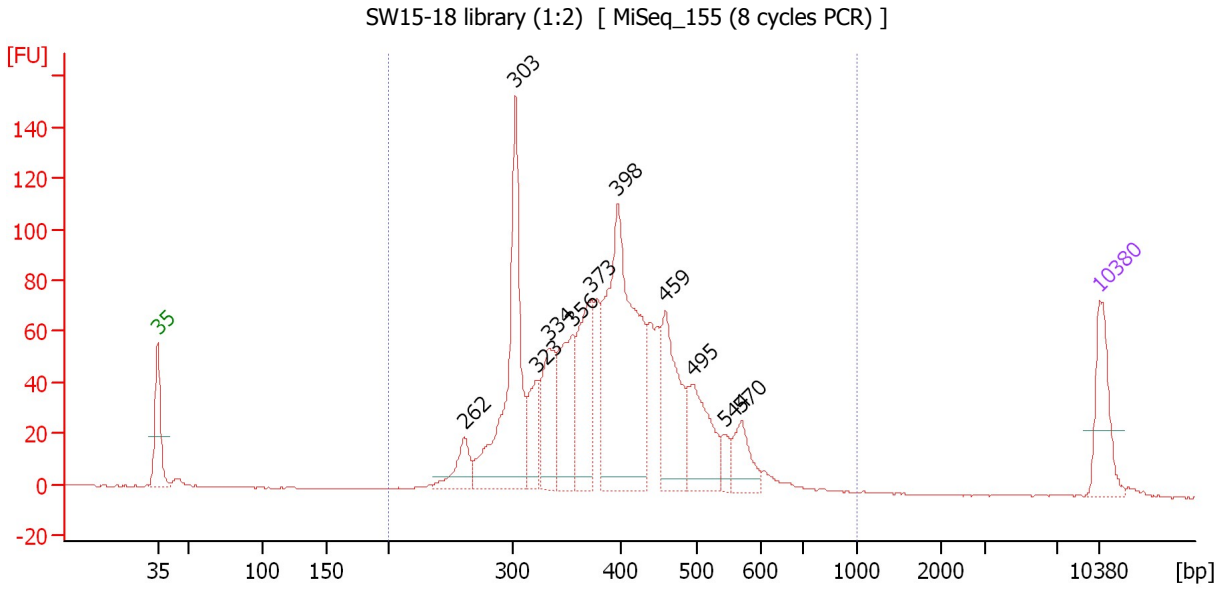
Region table for sample 10 : SW15-17 library (1:8)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	372	1,000	1,599.9	8,618.7	97	20.9	2,012.36

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
 Modified: 7/29/2015 4:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SW15-18 library (1:2)

Number of peaks found: 11 Corr. Area 1: 1,462.0
 Noise: 0.2

Peak table for sample 11 : SW15-18 library (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	262	61.97	358.8		65.80
3	303	362.31	1,810.9		69.56
4	323	77.81	365.1		71.15
5	334	122.92	557.0		72.08
6	356	153.77	654.3		73.83
7	373	163.23	662.5		75.22
8	398	475.90	1,813.8		77.18
9	459	174.65	576.3		80.73
10	495	130.29	399.1		82.74
11	544	23.81	66.4		85.10
12	570	61.74	164.2		86.34
13	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : SW15-18 library (1:2)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	399	1,000	1,462.0	8,301.8	99	21.5	2,066.25

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...lyzer\2015-07-29\2015-07-29_001_MiSeq155_Libraries_1of3.xad

Created: 7/29/2015 3:03:00 PM
Modified: 7/29/2015 4:12:41 PM

Gel Image

