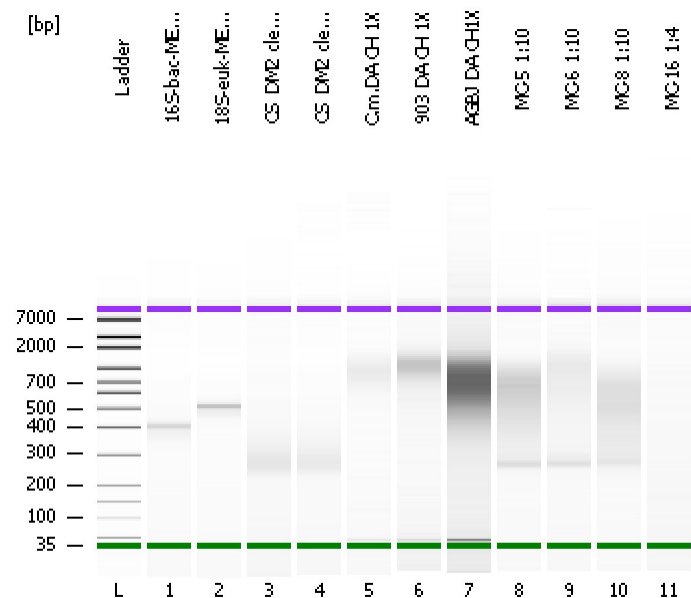


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
Modified: 7/10/2017 12:37:58 PM

Electrophoresis File Run Summary



Instrument Information:

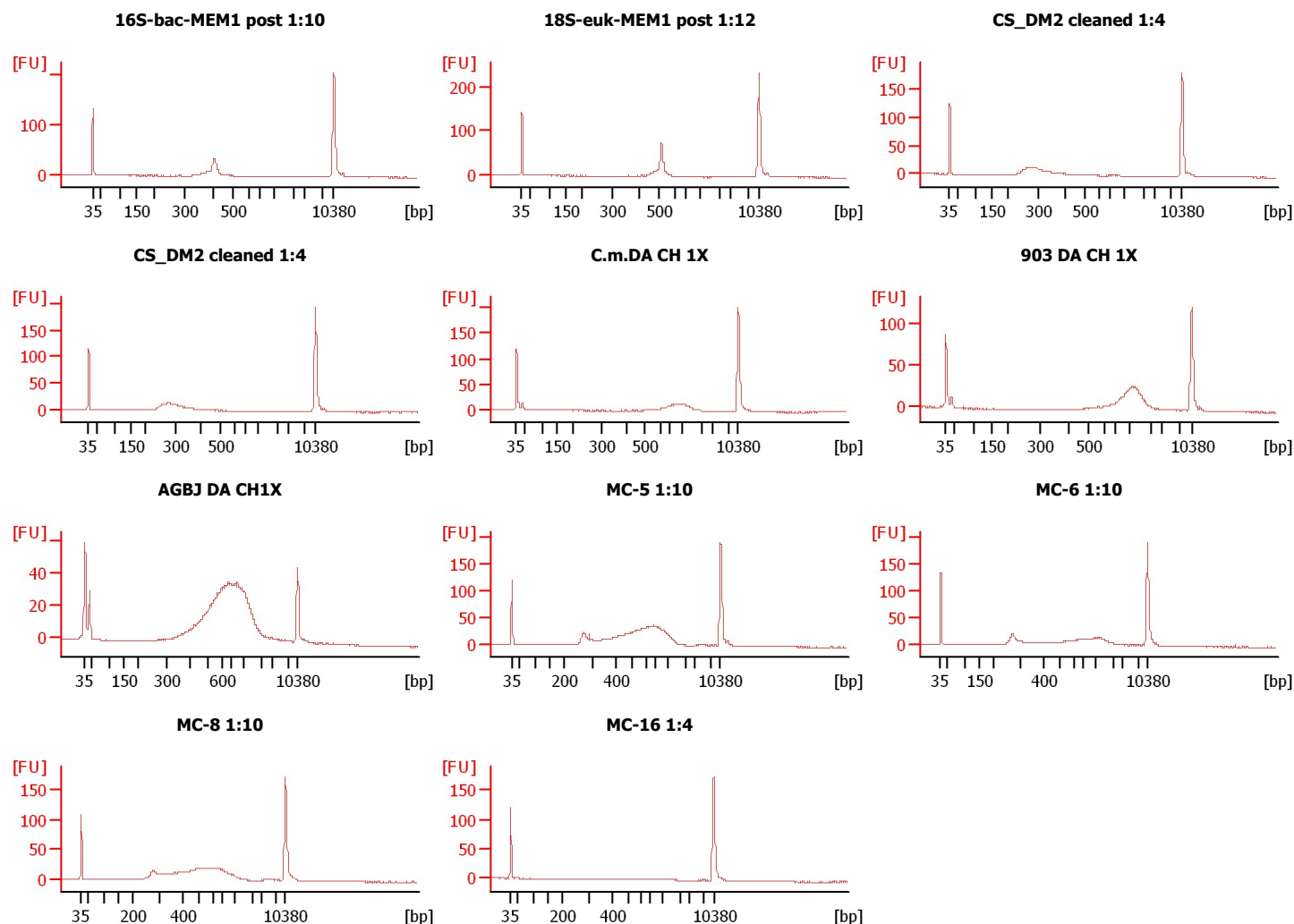
Instrument Name: DE24802735
Serial#: DE24802735
Firmware: C.01.069
Type: G2938B

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:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
Modified: 7/10/2017 12:37:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
16S-bac-MEM1 post 1:10		<input type="checkbox"/>	✓			
18S-euk-MEM1 post 1:12		<input type="checkbox"/>	✓			
CS_DM2 cleaned 1:4		<input type="checkbox"/>	✓			
CS_DM2 cleaned 1:4		<input type="checkbox"/>	✓			
C.m.DA CH 1X		<input type="checkbox"/>	✓			
903 DA CH 1X		<input type="checkbox"/>	✓			
AGBJ DA CH1X		<input type="checkbox"/>	✓			
MC-5 1:10		<input type="checkbox"/>	✓			
MC-6 1:10		<input type="checkbox"/>	✓			
MC-8 1:10		<input type="checkbox"/>	✓			
MC-16 1:4		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			
Chip Lot #			Reagent Kit Lot #			

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
Modified: 7/10/2017 12:37:58 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

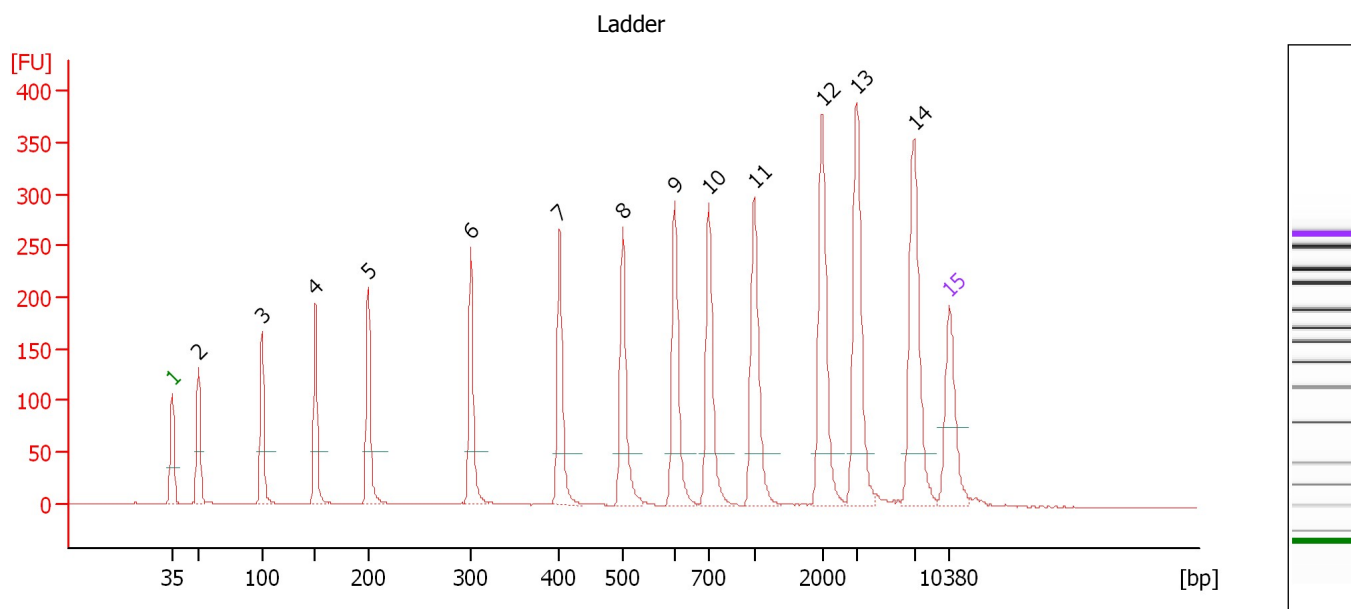
Ladder

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:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
 Modified: 7/10/2017 12:37:58 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

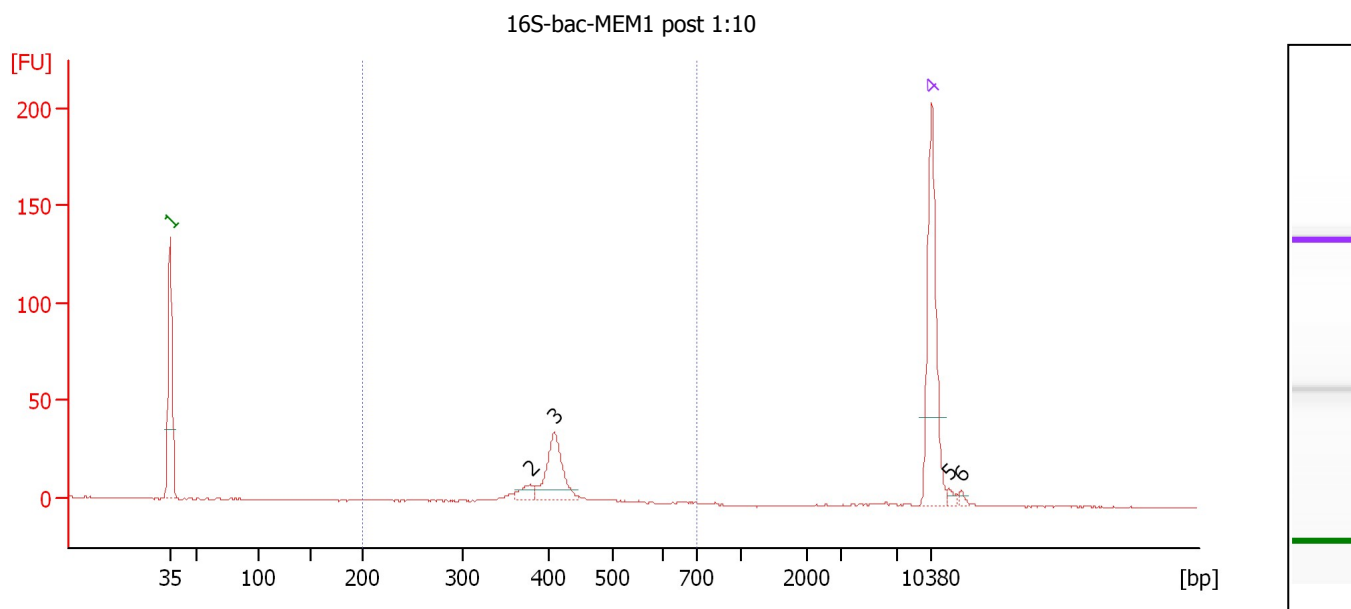
Peak table for Ladder

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	▶	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
 Modified: 7/10/2017 12:37:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 16S-bac-MEM1 post 1:10

Number of peaks found: 4 Corr. Area 1: 121.9
 Noise: 0.3

Peak table for sample 1 : 16S-bac-MEM1 post 1:10

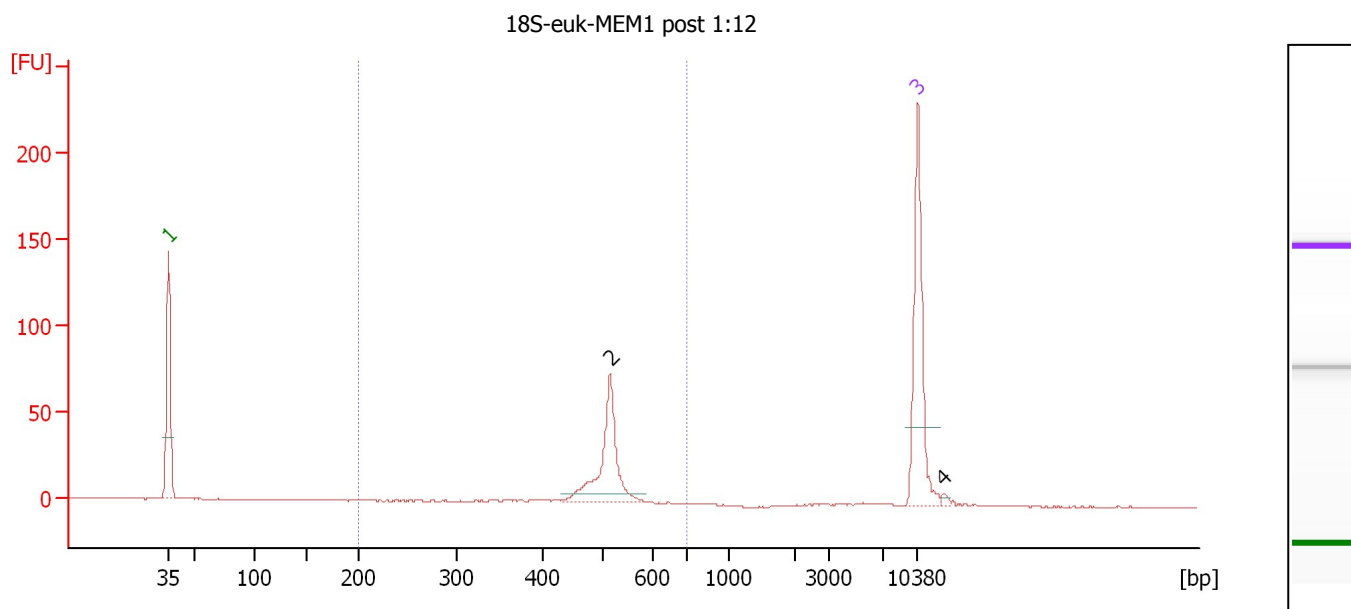
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	378	9.43	37.9	
3	407	47.84	178.0	Upper Marker
4	10,380	75.00	10.9	
5	12,000	0.00	0.0	
6	13,306	0.00	0.0	

Region table for sample 1 : 16S-bac-MEM1 post 1:10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	700	121.9	86	406	10.6	76.23	288.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
 Modified: 7/10/2017 12:37:58 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 18S-euk-MEM1 post 1:12**

Number of peaks found: 2 Corr. Area 1: 164.1
 Noise: 0.2

Peak table for sample 2 : 18S-euk-MEM1 post 1:12

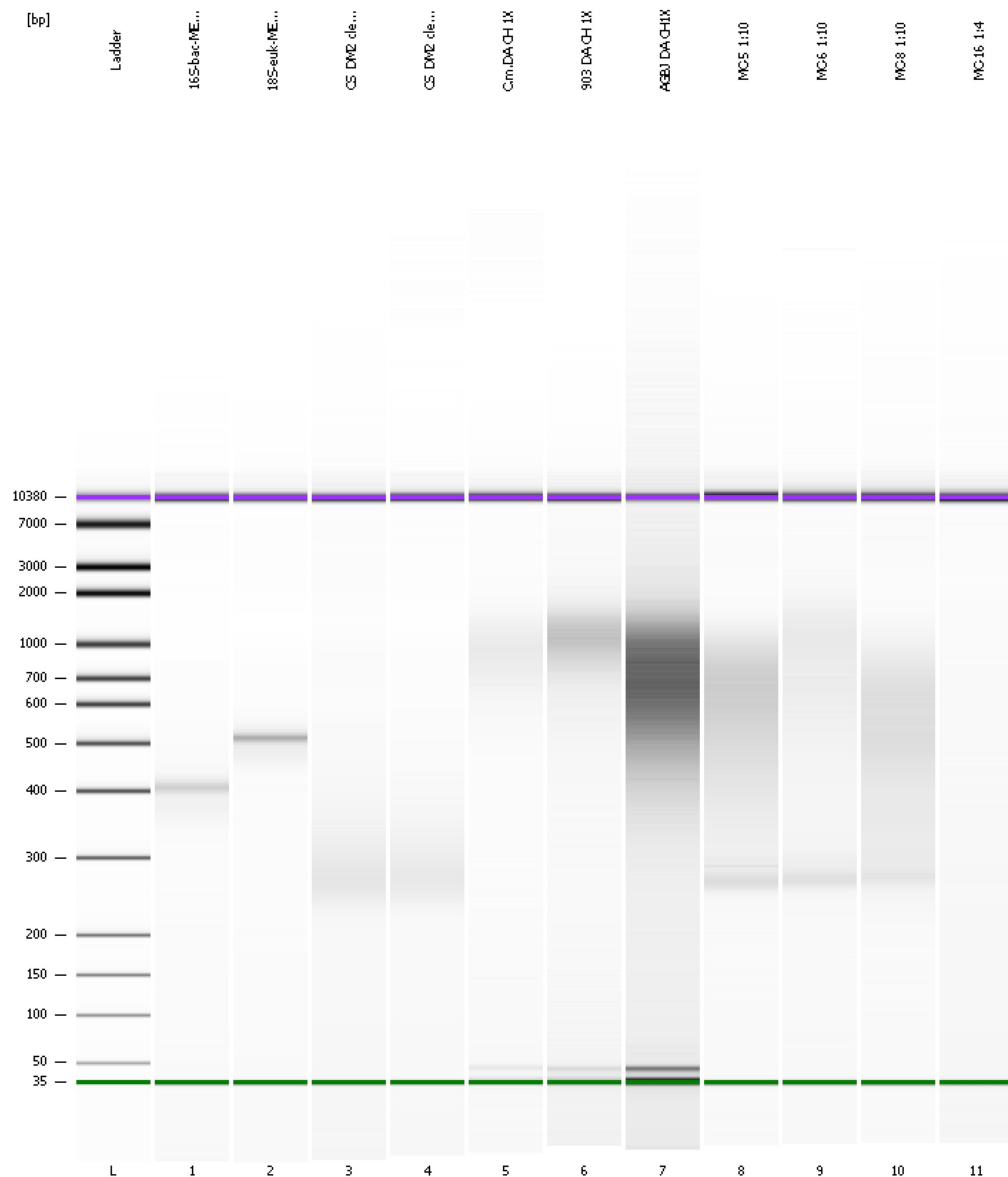
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	514	77.60	228.7	
3	10,380	75.00	10.9	Upper Marker
4	12,876	0.00	0.0	

Region table for sample 2 : 18S-euk-MEM1 post 1:12

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	700	164.1	83	495	11.6	93.37	295.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
Modified: 7/10/2017 12:37:58 PM

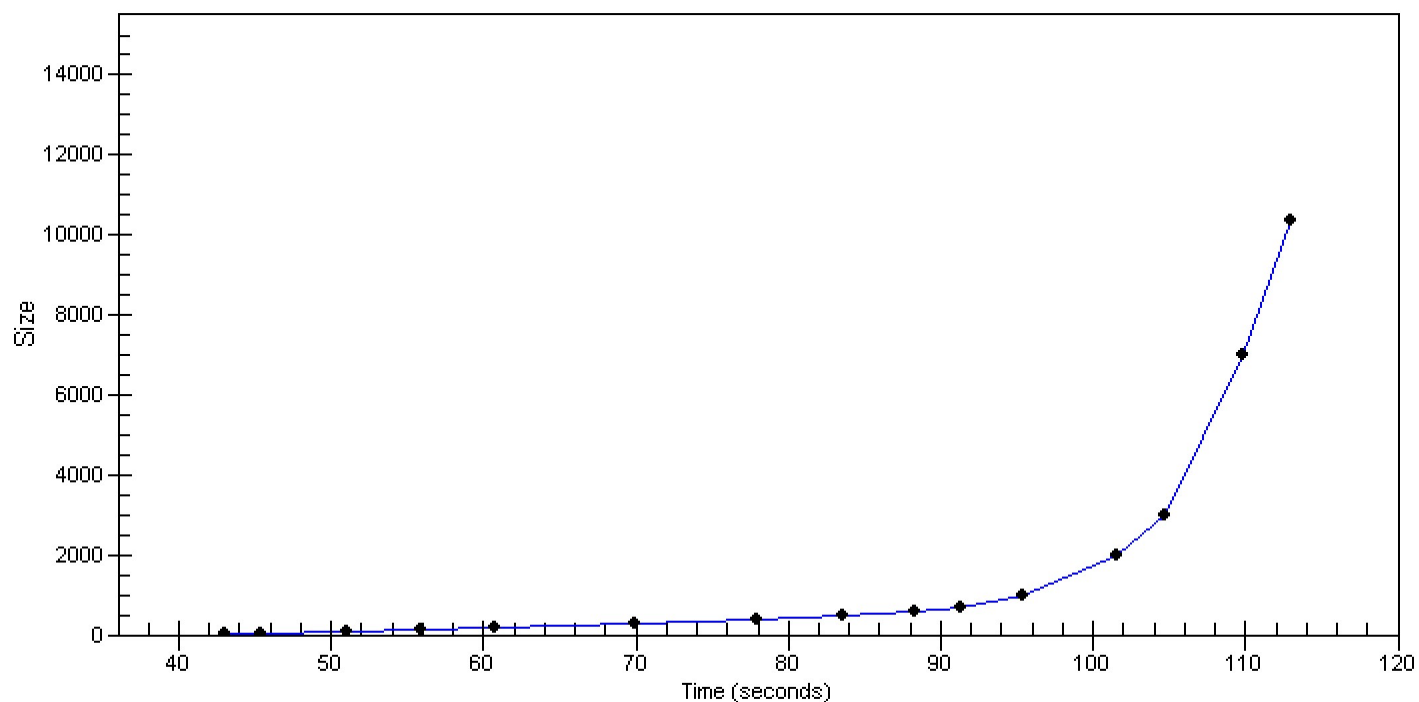
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
Modified: 7/10/2017 12:37:58 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad

Created: 7/10/2017 11:50:23 AM
 Modified: 7/10/2017 12:37:58 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/10/2017 12:30:52 PM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2017-07-10\2100 expert_High Sensitivity DNA Assay_DE24802735_2017-07-10_11-50-24.xad)		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Product Number : G2938B		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Name :		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Vendor : Agilent Technologies		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Serial# : DE24802735		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Firmware : C.01.069		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC
Cartridge : Electrode		Instrument	Run		7/10/2017 11:50:29 AM	(GMT --07:00) Pacific Standard Time	genomics	3730PC