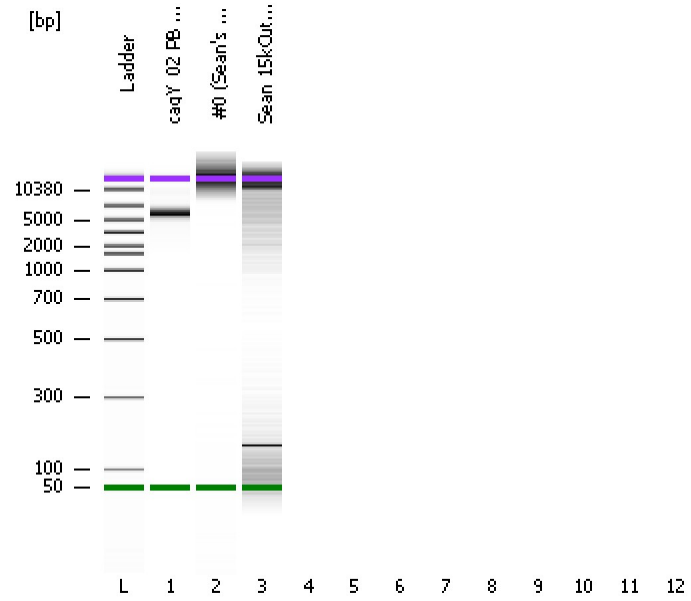
Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad

Created: 10/9/2014 2:58:21 PM
Modified: 10/9/2014 3:15:37 PM

Electrophoresis File Run Summary



Instrument Information:

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

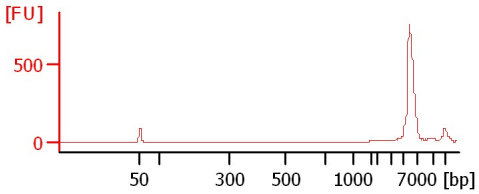
Assay Information:

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

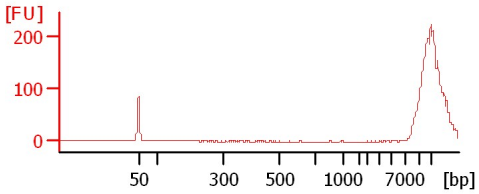
Chip Information:

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

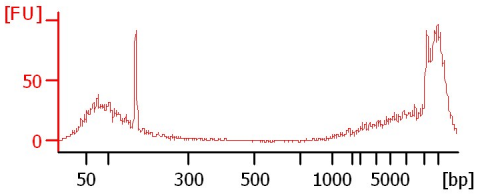
cagY_02 PB lib (multiplexed amplicons)



#0 (Sean's back-up PB lib)



Sean 15kCut PB Lib



Assay Class: DNA 12000 Created: 10/9/2014 2:58:21 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
cagY_02 PB lib (multiplexed amplicons)		☐	✔			
#0 (Sean's back-up PB lib)		☐	✔			
Sean 15kCut PB Lib		☐	✔			
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: DNA 12000 Created: 10/9/2014 2:58:21 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 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\2014-10-09\2014-10-09_005.xad

Created: 10/9/2014 2:58:21 PM
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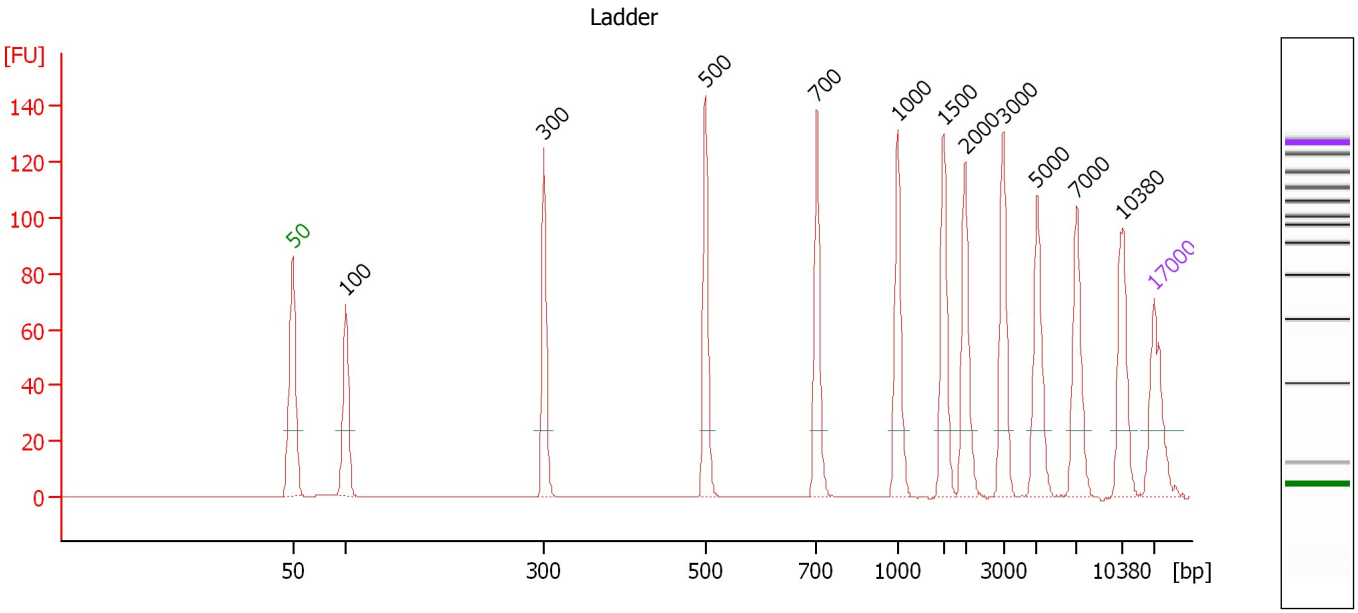
Electropherogram Summary

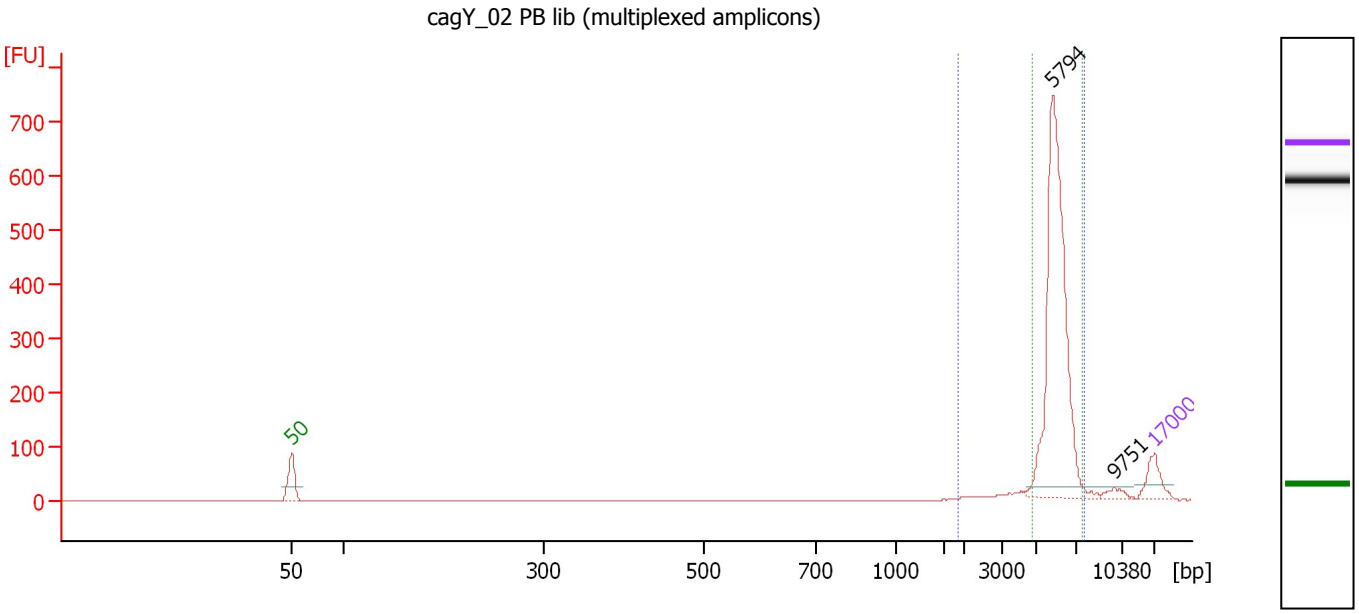


Peak table for Ladder

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

Assay Class: DNA 12000 Created: 10/9/2014 2:58:21 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : cagY_02 PB lib (multiplexed amplicons)

Number of peaks found:	2	Area 2:	1,068.6
Area 1:	1,119.1		

Peak table for sample 1 : cagY_02 PB lib (multiplexed amplicons)

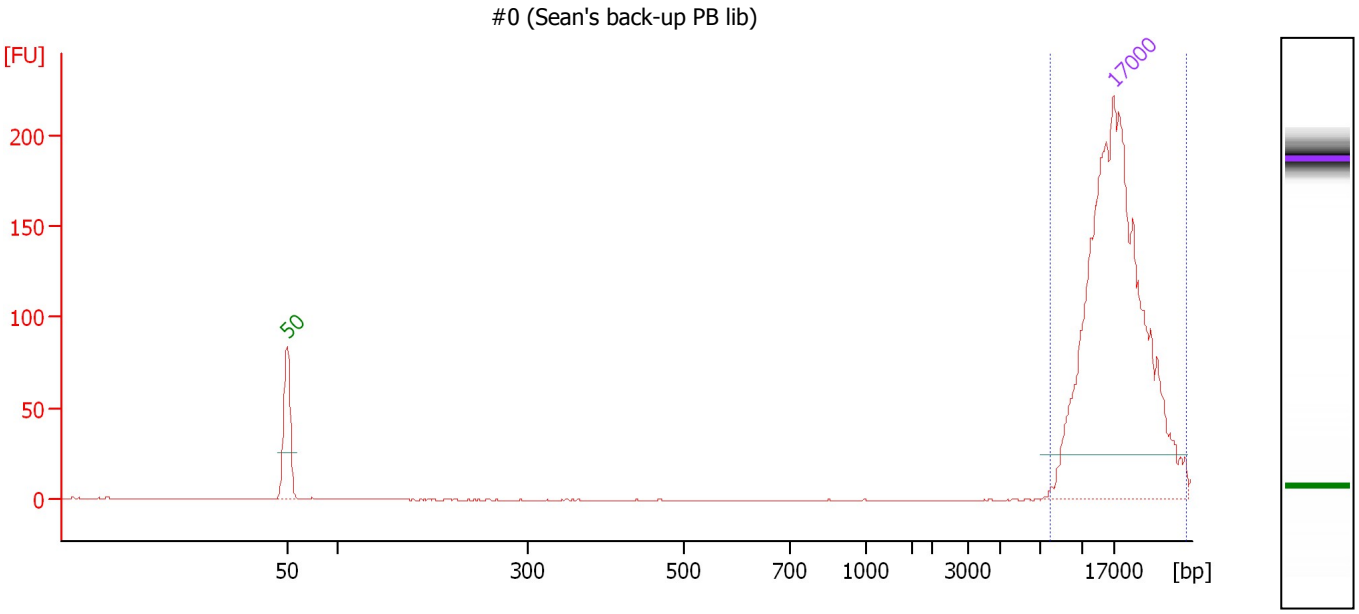
Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,794	52.33	13.7	
3	9,751	1.28	0.2	
4	17,000	4.20	0.4	Upper Marker

Region table for sample 1 : cagY_02 PB lib (multiplexed amplicons)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	% of Total	Size distribution in CV [%]	Color
1,848	7,513	5,880	54.99	1,119.1	96	12.3	
4,693	7,444	5,991	52.45	1,068.6	91	7.5	

Assay Class: DNA 12000 Created: 10/9/2014 2:58:21 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : #0 (Sean's back-up PB lib)

Number of peaks found: 0 Area 1: 0.0

Peak table for sample 2 : #0 (Sean's back-up PB lib)

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

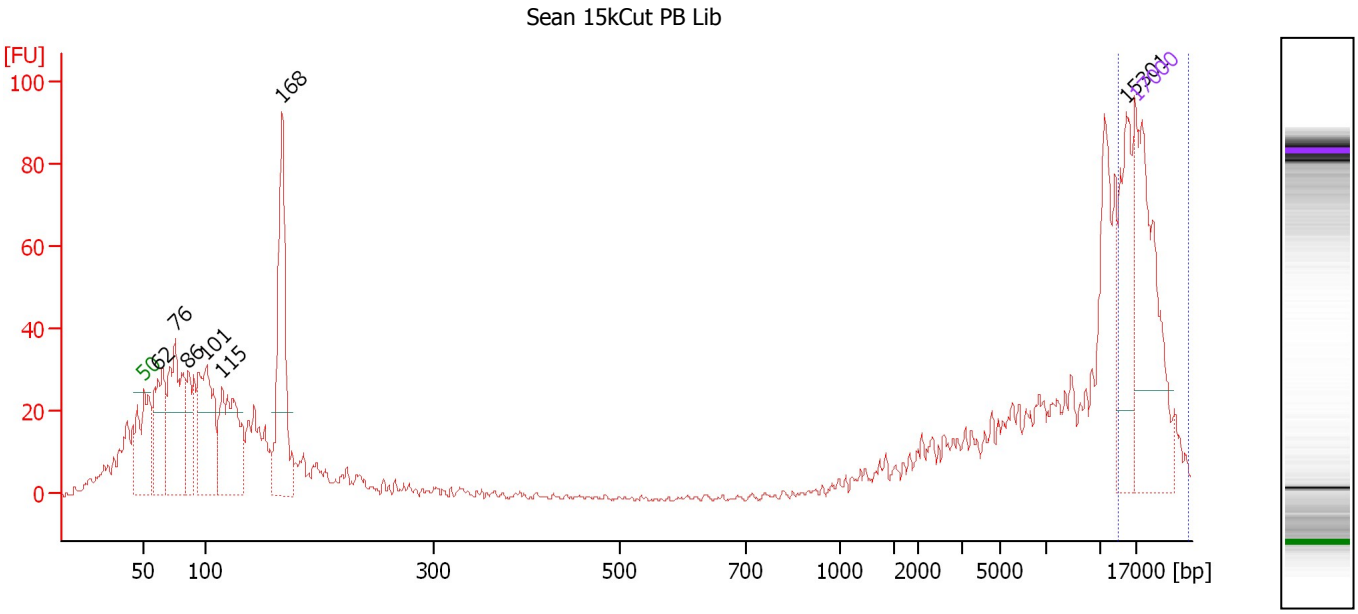
Region table for sample 2 : #0 (Sean's back-up PB lib)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	% of Total	Size distribution in CV [%]	Color
7,768	32,797	17,694	0.00	0.0	0	30.3	

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad

Created: 10/9/2014 2:58:21 PM
Modified: 10/9/2014 3:15:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sean 15kCut PB Lib

Number of peaks found:	7	Area 1:	96.4

Peak table for sample 3 : Sean 15kCut PB Lib

Peak	Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	62	1.25	30.6	
3	76	2.11	42.2	
4	86	1.02	18.0	
5	101	2.23	33.5	
6	115	2.27	30.0	
7	168	3.09	27.9	
8	15,301	2.91	0.3	
9	17,000	4.20	0.4	Upper Marker

Region table for sample 3 : Sean 15kCut PB Lib

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Area	% of Total	Size distribution in CV [%]	Color
13,852	26,473	17,992	2.62	96.4	15	15.3	

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad

Created: 10/9/2014 2:58:21 PM
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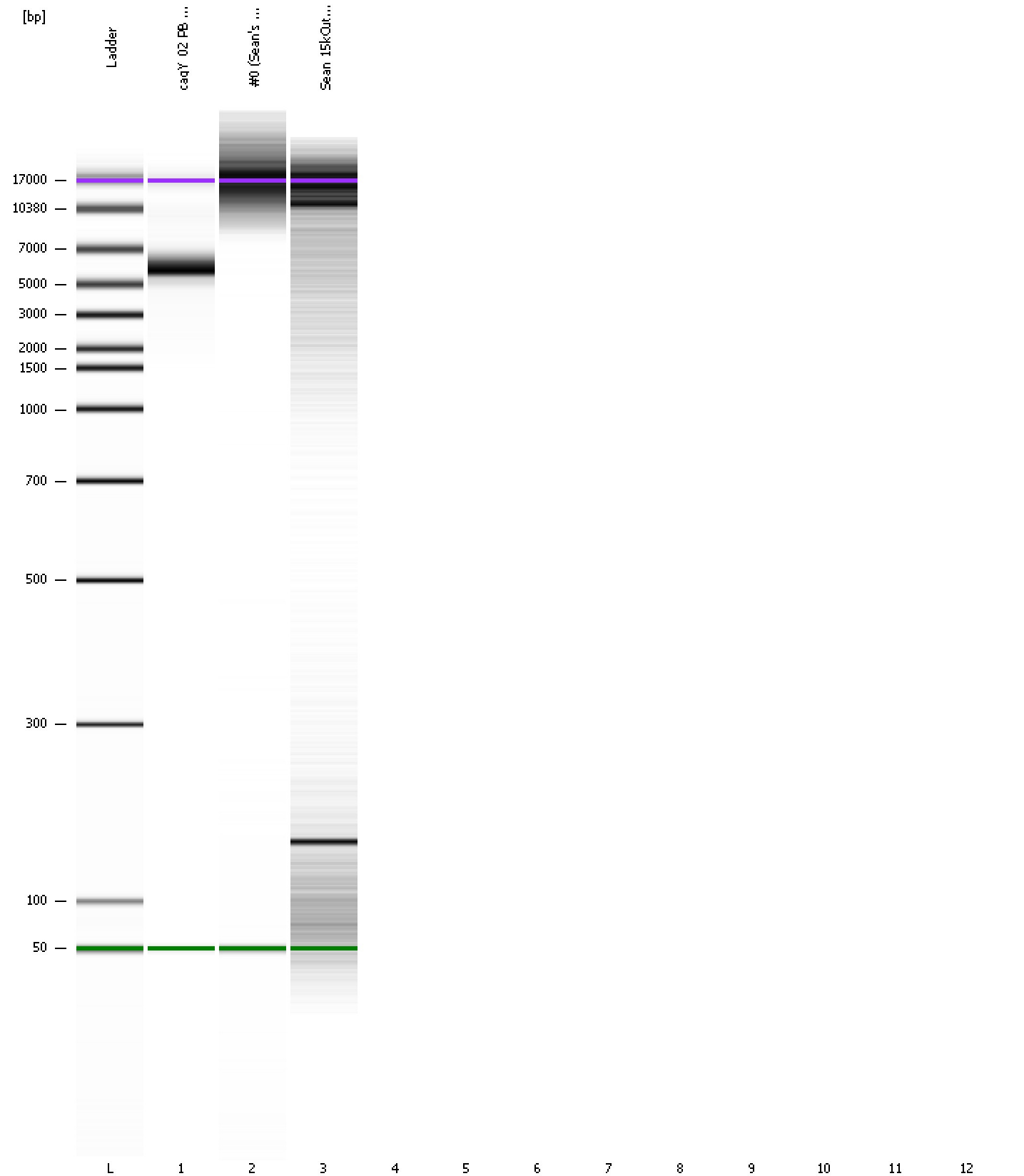
Gel Image



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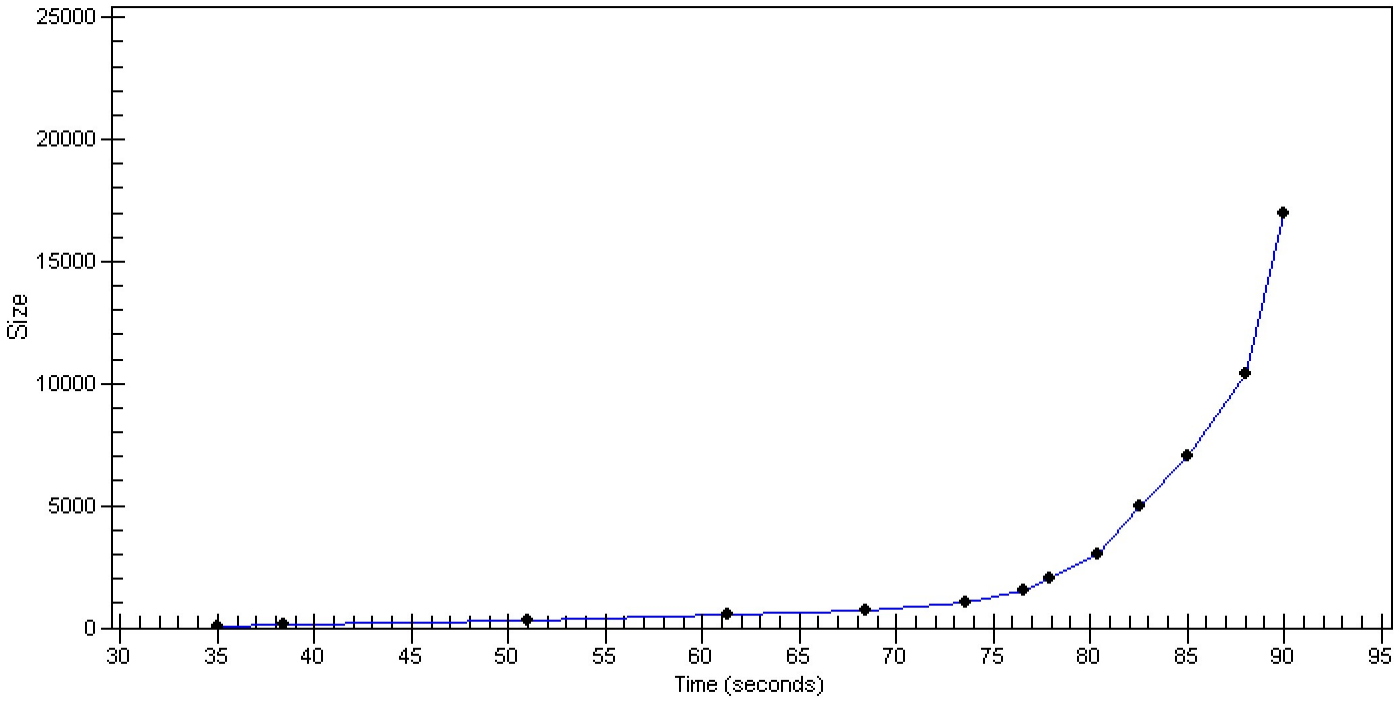
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 PM

Curves

Standard Curve



Assay Class: DNA 12000 Created: 10/9/2014 2:58:21 PM
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad Modified: 10/9/2014 3:15:37 PM

Invalid Samples

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		10/9/2014 3:14:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-10-09\2014-10-09_005.xad)		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/9/2014 2:58:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1