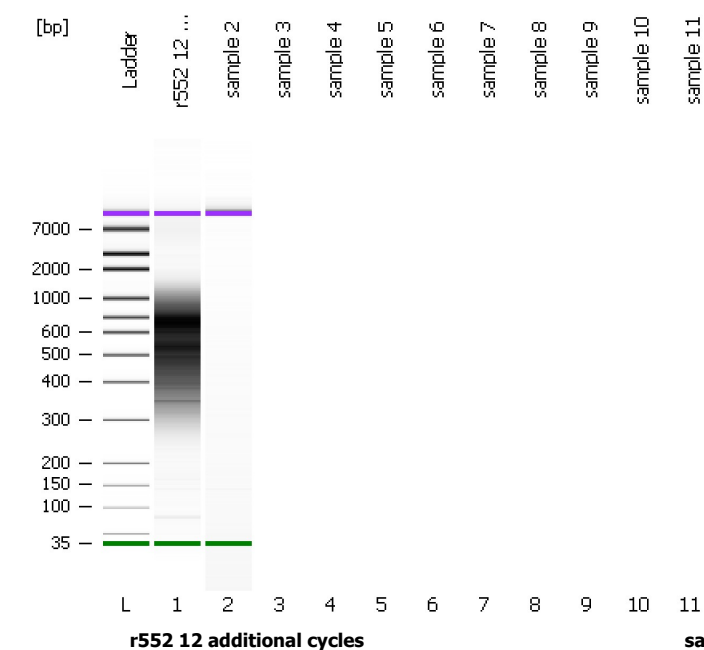


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
Modified: 9/20/2014 12:49:03 PM

Electrophoresis File Run Summary



Instrument Information:

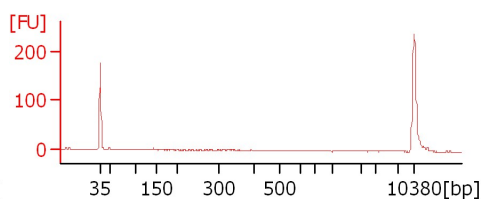
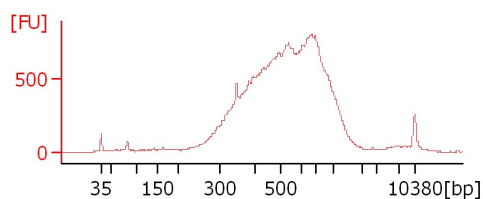
Instrument Name: DE13806093 Firmware: C.01.069
Serial#: DE13806093 Type: G2939A

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_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
r552 12 additional cycles		☐	✓			
sample 2		☐	✓			
sample 3		☐				
sample 4		☐				
sample 5		☐				
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

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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

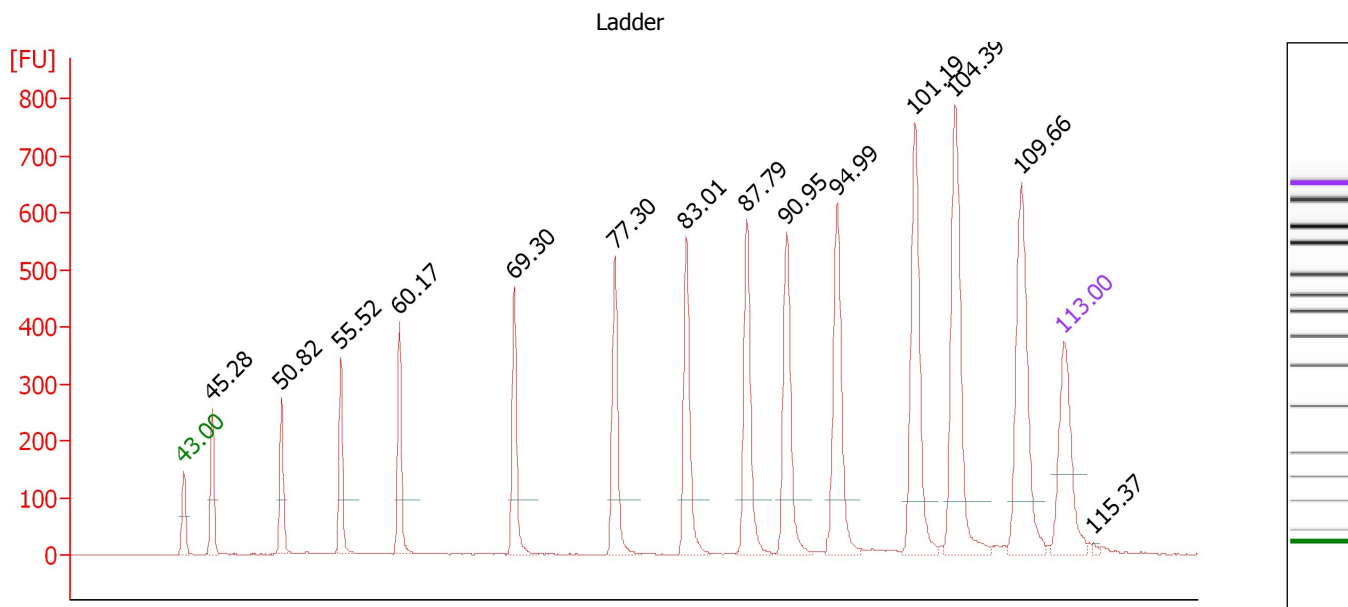
Ladder

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_DE13806093_2014-09-20_12-33-25.xad

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

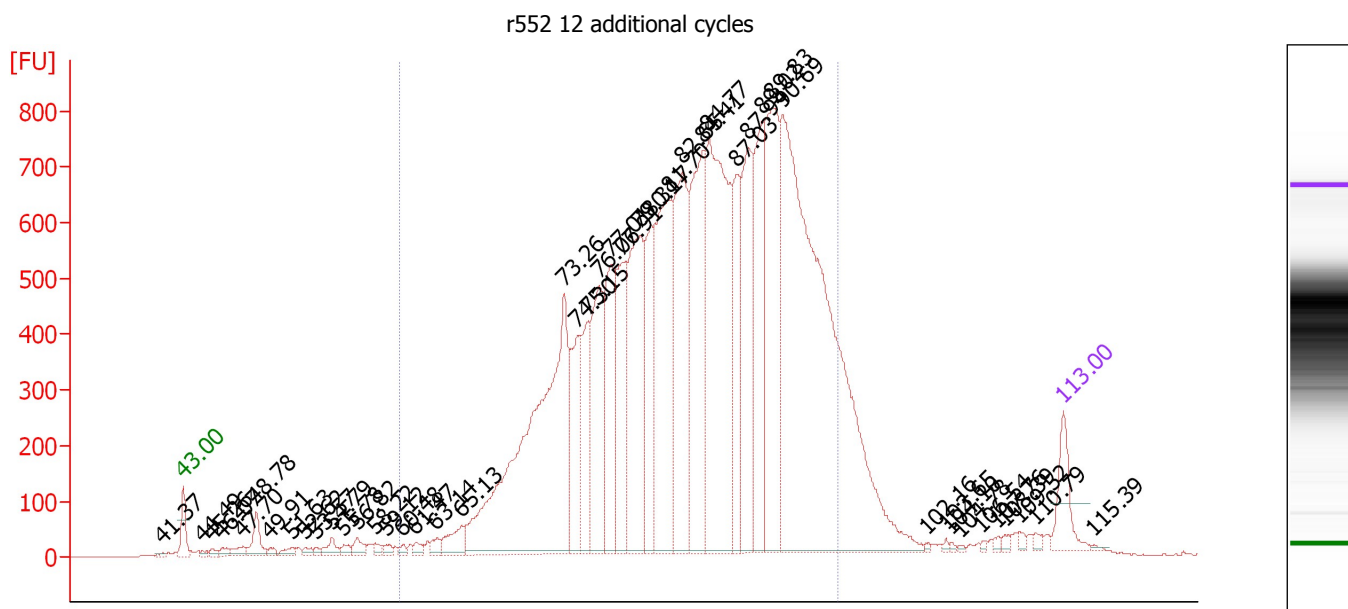
Peak table for Ladder

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
16	12,782	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

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Electropherogram Summary Continued ...



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

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Electropherogram Summary Continued ...**... Peak table for sample 1 : r552 12 additional cycles**

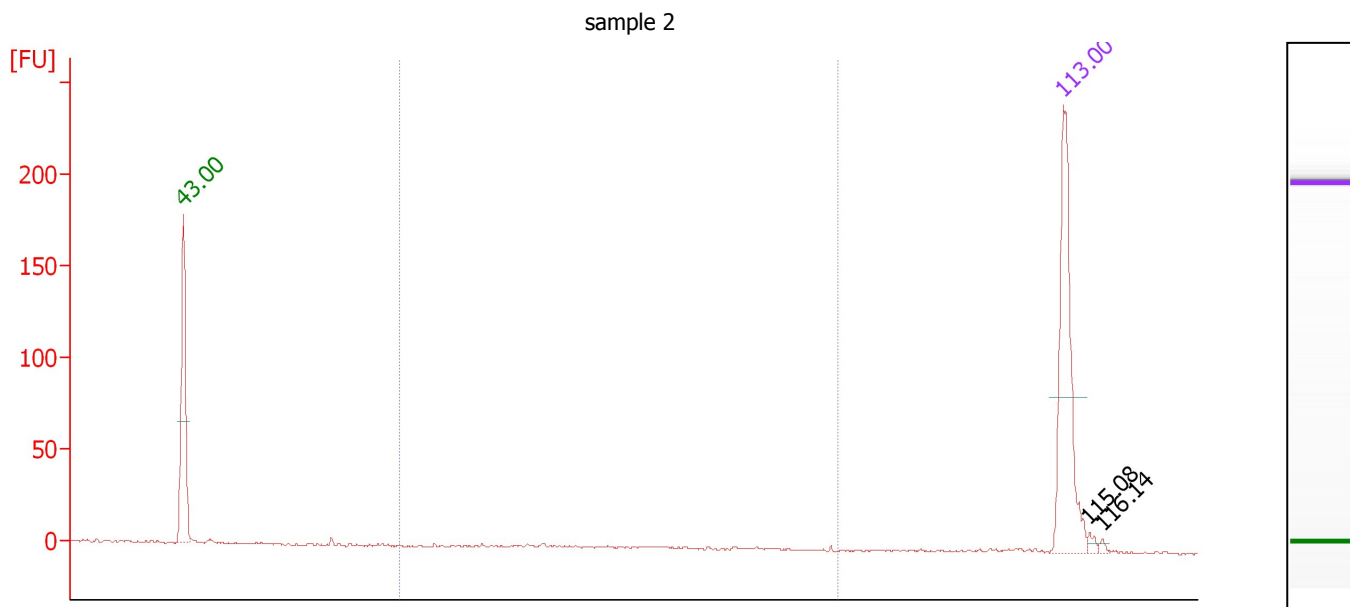
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	435	462.67	1,610.6	
28	450	261.76	880.8	
29	477	532.31	1,690.2	
30	494	491.44	1,508.0	
31	529	473.07	1,354.0	
32	537	811.95	2,291.2	
33	584	227.97	591.3	
34	605	343.25	860.3	
35	639	330.91	784.9	
36	664	470.91	1,073.7	
37	692	1,741.12	3,814.2	
38	2,304	2.90	1.9	
39	2,769	3.35	1.8	
40	2,910	2.65	1.4	
41	3,294	2.30	1.1	
42	4,631	3.34	1.1	
43	5,557	4.82	1.3	
44	6,037	6.69	1.7	
45	6,894	7.09	1.6	
46	8,139	8.22	1.5	
47	10,380	75.00	10.9	Upper Marker
48	12,804	0.00	0.0	

Region table for sample 1 : r552 12 additional cycles

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	18,923.5	91	539	30.9	8,361.61	26,997.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
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Electropherogram Summary Continued ...**Overall Results for sample 2 : sample 2**

Number of peaks found: 2 Corr. Area 1: 7.6
 Noise: 0.5

Peak table for sample 2 : sample 2

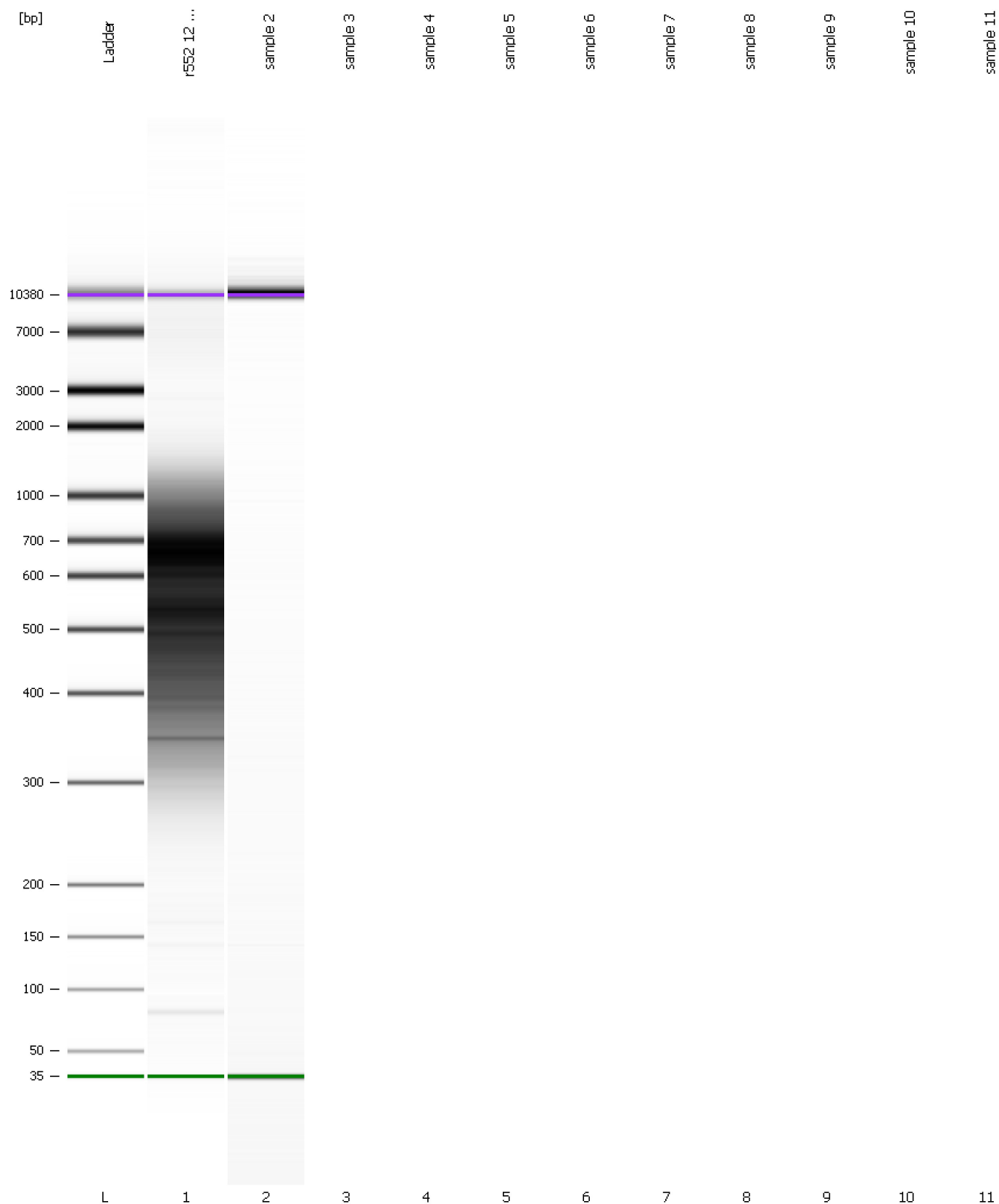
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,483	0.00	0.0	
4	13,558	0.00	0.0	

Region table for sample 2 : sample 2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	7.6	20	476	37.2	3.62	13.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
Modified: 9/20/2014 12:49:03 PM

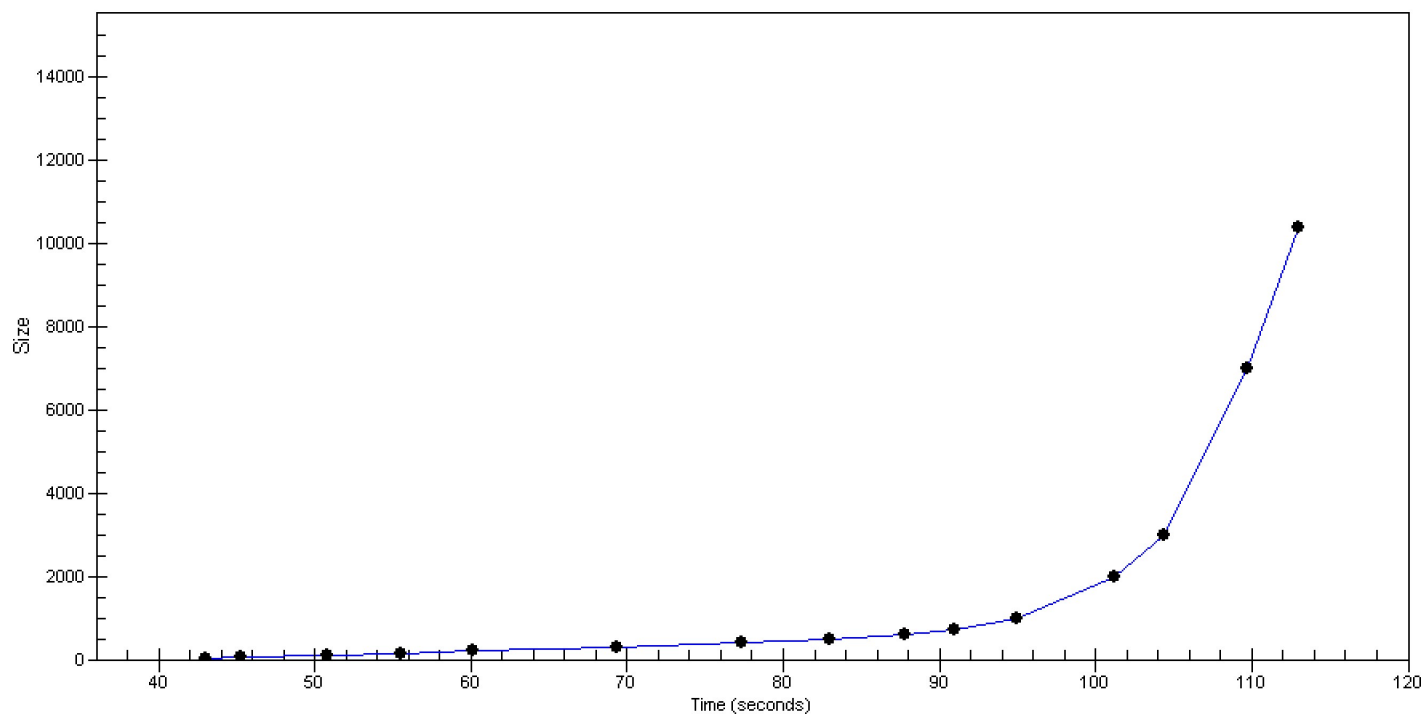
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
Modified: 9/20/2014 12:49:03 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806093_2014-09-20_12-33-25.xad

Created: 9/20/2014 12:33:25 PM
Modified: 9/20/2014 12:49:03 PM

Invalid Samples

Sample 3 has not been run, no results available.

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.

Sample 11 has not been run, no results available.