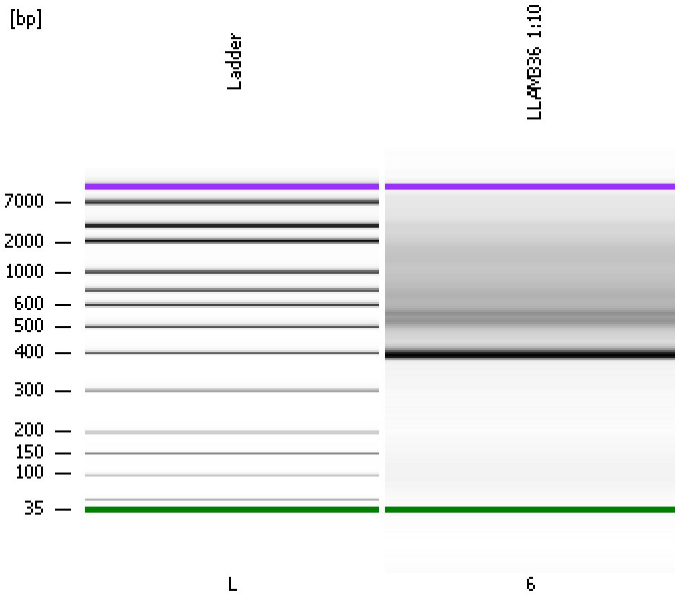


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

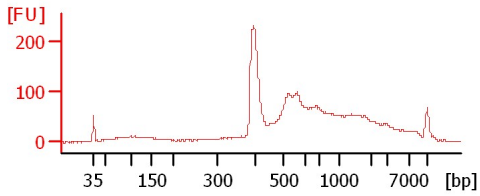
Assay Information:

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:

**LLAM336 1:10**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LLAM336 1:10		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 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

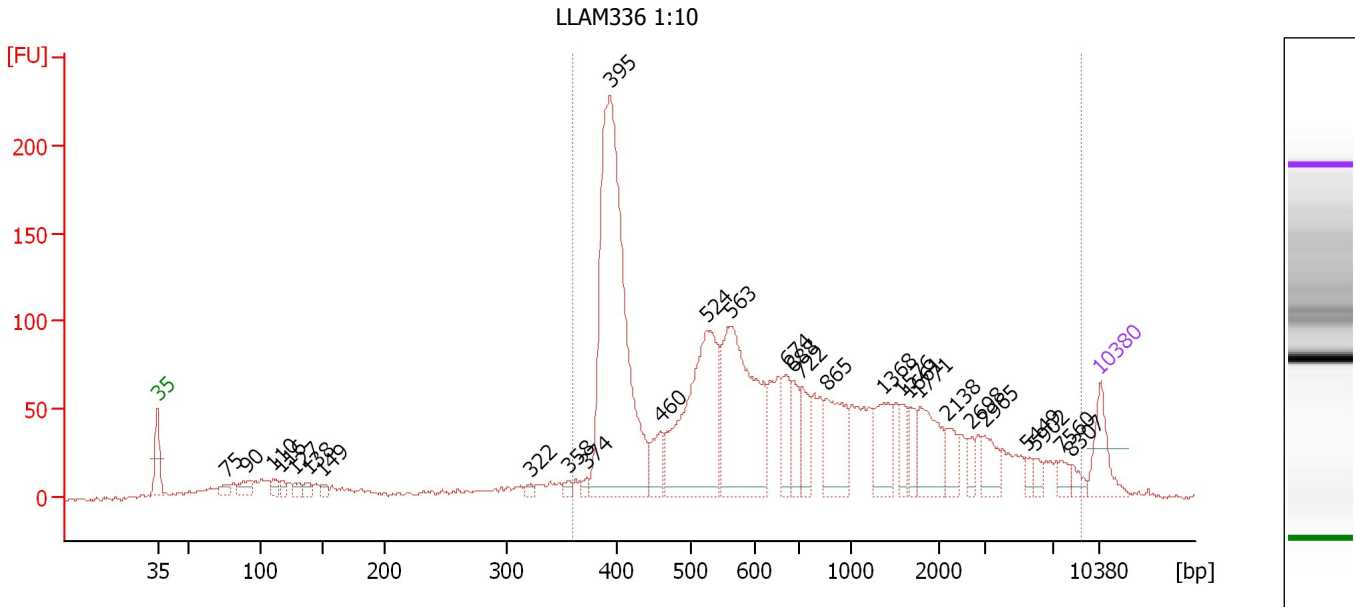
**Ladder**

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:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
 Modified: 5/13/2014 3:06:51 PM

**Electropherogram Summary**



**Overall Results for sample 6 : LLAM336 1:10**

Number of peaks found: 29                      Corr. Area 1: 2,442.9  
 Noise: 1.0

**Peak table for sample 6 : LLAM336 1:10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	75	26.54	533.5	
3	90	42.71	716.9	
4	110	28.82	397.8	
5	116	20.90	273.1	
6	127	24.00	286.8	
7	138	21.80	240.1	
8	149	16.69	169.3	
9	322	11.22	52.8	
10	358	15.62	66.2	
11	374	13.60	55.1	
12	395	1,067.42	4,096.3	
13	460	72.89	240.3	
14	524	513.68	1,484.6	
15	563	494.14	1,330.4	
16	674	91.56	206.0	
17	688	71.91	158.3	
18	722	79.12	166.1	
19	865	155.52	272.5	
20	1,368	100.73	111.6	
21	1,576	40.92	39.3	
22	1,661	39.15	35.7	
23	1,771	115.42	98.7	
24	2,138	42.83	30.3	
25	2,698	22.09	12.4	
26	2,965	51.96	26.6	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 PM

**Electropherogram Summary Continued ...****... Peak table for sample 6 : LLAM336 1:10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,449	14.07	3.9	
28	5,902	16.62	4.3	
29	7,560	21.59	4.3	
30	8,307	18.77	3.4	
31	10,380	75.00	10.9	Upper Marker

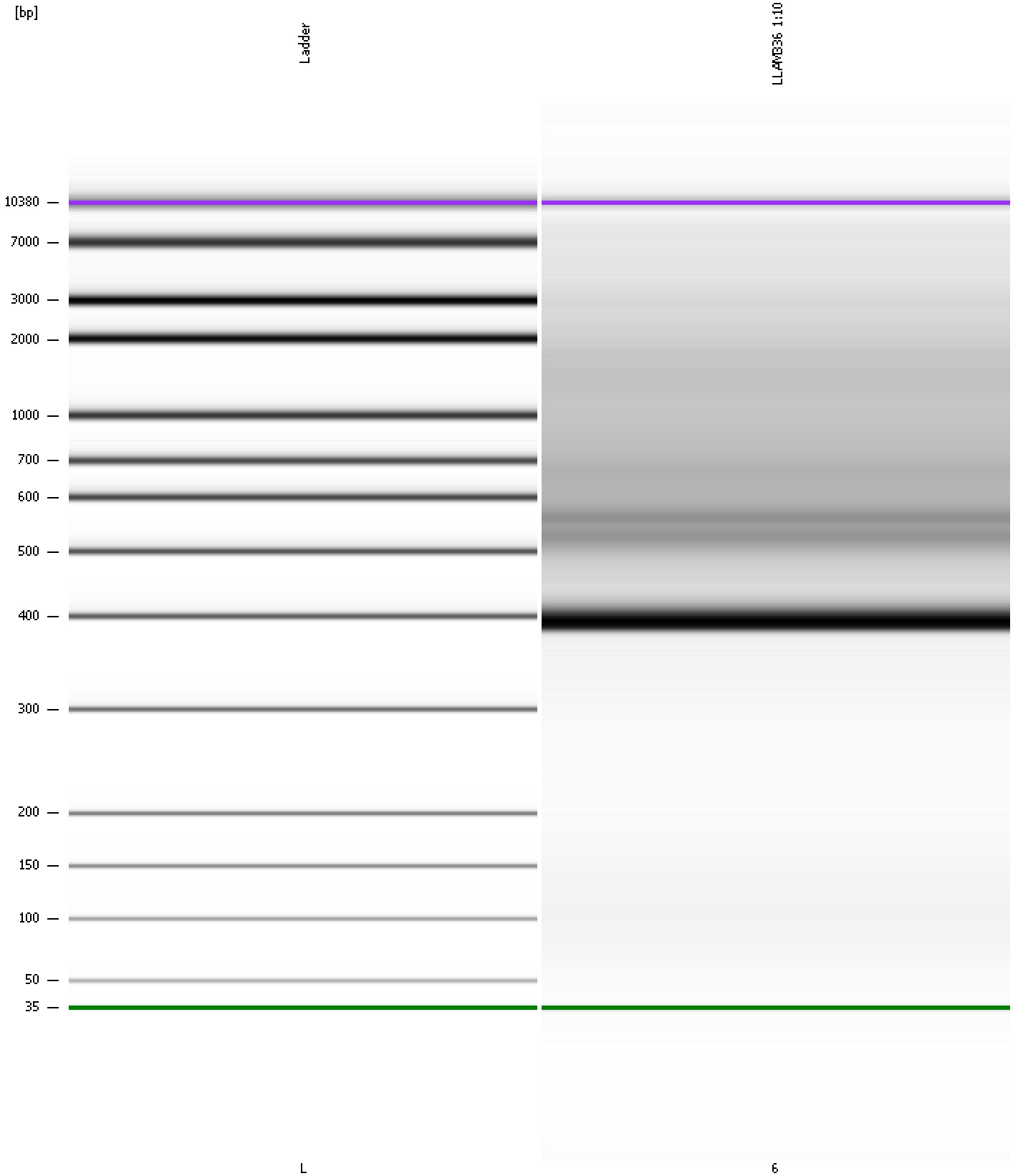
**Region table for sample 6 : LLAM336 1:10**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
361	8,969	1,206	9,148.3	3,616.75	2,442.9	88	100.0

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 PM

**Gel Image**

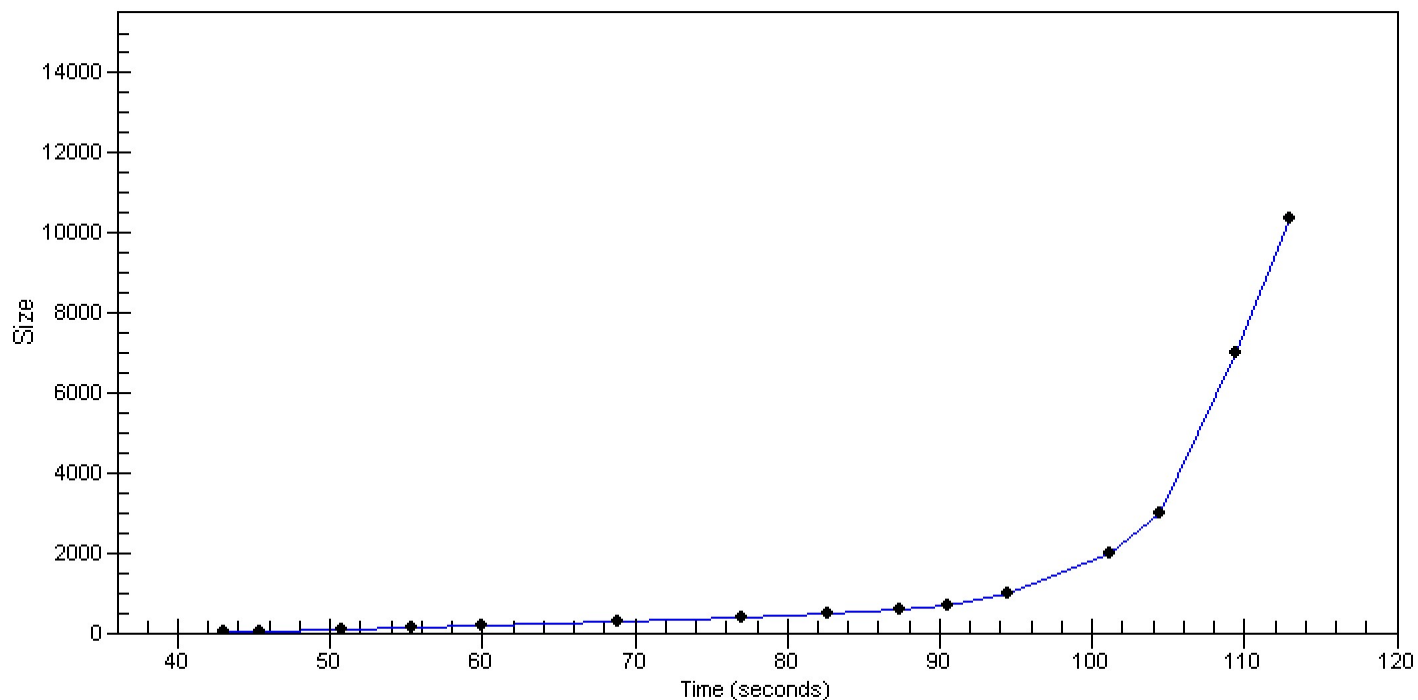


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
Modified: 5/13/2014 3:06:51 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-13\2014-05-13\_006\_LLAM336.xad

Created: 5/13/2014 2:16:09 PM  
 Modified: 5/13/2014 3:06:51 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		5/13/2014 2:56:35 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-05-13\2014-05-13_006.xad)		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/13/2014 2:16:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1