

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...er\2100 expert\data\2016-03-24\2016-03-24\_001\_Veena\_1-4.xad

Created: 3/24/2016 1:45:35 PM  
Modified: 3/28/2016 10:31:56 AM

**Electrophoresis File Run Summary**

Instrument Information:

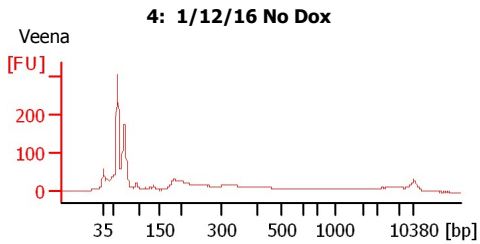
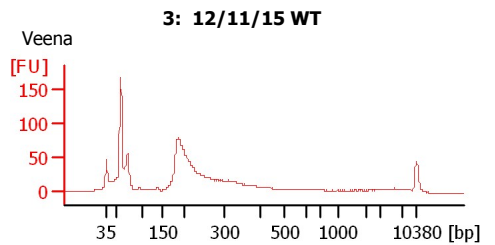
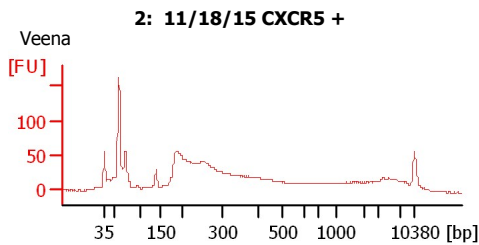
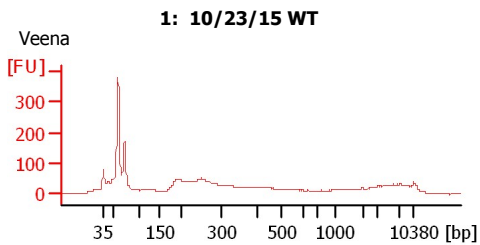
Instrument Name: DE13701086                      Firmware: C.01.069  
Serial#: DE13701086                                Type: G2938B

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:



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1: 10/23/15 WT	Veena	<input type="checkbox"/>				
2: 11/18/15 CXCR5 +	Veena	<input type="checkbox"/>				
3: 12/11/15 WT	Veena	<input type="checkbox"/>				
4: 1/12/16 No Dox	Veena	<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

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

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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

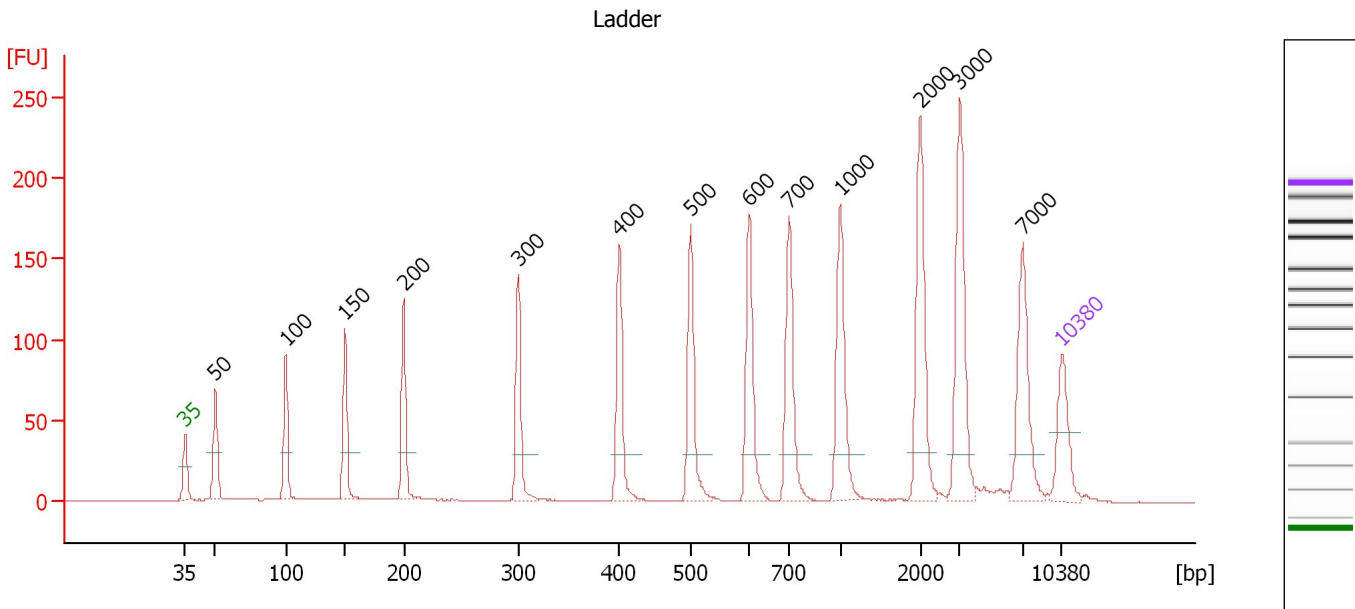
**Ladder**

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

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

**Peak table for Ladder**

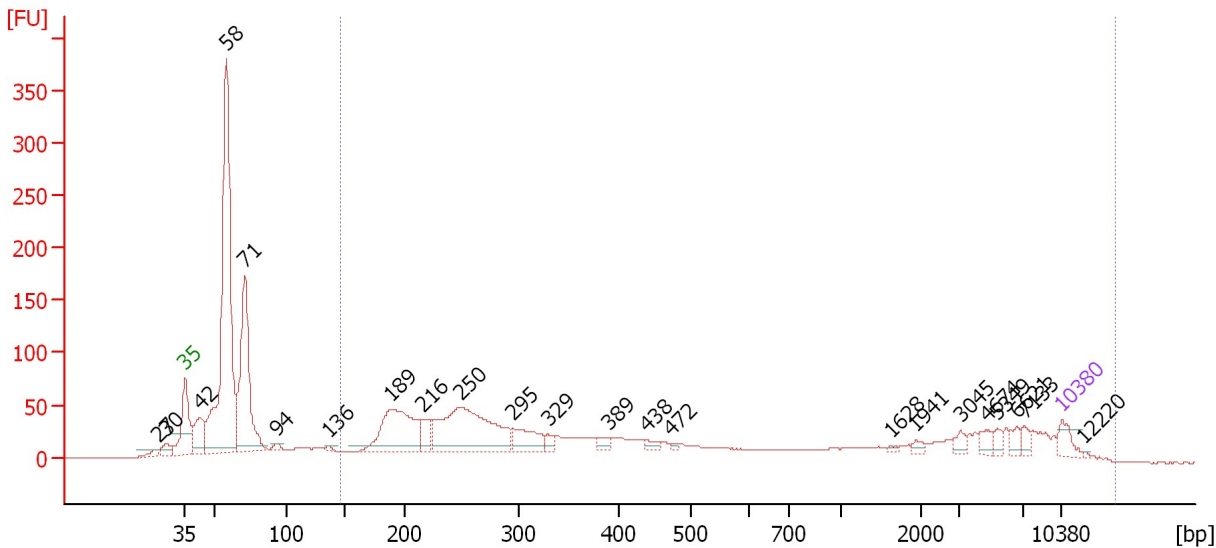
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.42
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.75
5	200	150.00	1,136.4	Ladder Peak	60.45
6	300	150.00	757.6	Ladder Peak	69.62
7	400	150.00	568.2	Ladder Peak	77.67
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	88.05
10	700	150.00	324.7	Ladder Peak	91.22
11	1,000	150.00	227.3	Ladder Peak	95.31
12	2,000	150.00	113.6	Ladder Peak	101.69
13	3,000	150.00	75.8	Ladder Peak	104.86
14	7,000	150.00	32.5	Ladder Peak	109.88
15	10,380	75.00	10.9	Upper Marker	113.00

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**Electropherogram Summary Continued ...**

1: 10/23/15 WT [ Veena ]



**Overall Results for sample 7 : 1: 10/23/15 WT**

Number of peaks found: 23                      Corr. Area 1: 1,609.0  
 Noise: 0.2

**Peak table for sample 7 : 1: 10/23/15 WT**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	27	0.00	0.0		40.80
2	30	0.00	0.0		41.50
3	35	125.00	5,411.3	Lower Marker	43.00
4	42	315.33	11,260.9		44.20
5	58	2,720.45	71,350.9		46.30
6	71	1,176.55	25,083.7		47.79
7	94	30.00	485.3		50.34
8	136	21.45	239.0		54.43
9	189	756.30	6,060.5		59.43
10	216	135.85	952.8		61.92
11	250	1,014.04	6,137.5		65.07
12	295	223.09	1,145.8		69.16
13	329	50.44	232.3		71.96
14	389	51.96	202.6		76.75
15	438	36.87	127.5		79.85
16	472	15.24	49.0		81.74
17	1,628	12.34	11.5		99.32
18	1,941	24.53	19.1		101.32
19	3,045	40.49	20.1		104.91
20	4,674	53.14	17.2		106.96
21	5,349	38.15	10.8		107.81
22	6,621	45.30	10.4		109.41
23	7,133	42.84	9.1		110.00
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,220	0.00	0.0		114.70

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**Electropherogram Summary Continued ...**

... Region table for sample 7 : 1: 10/23/15 WT

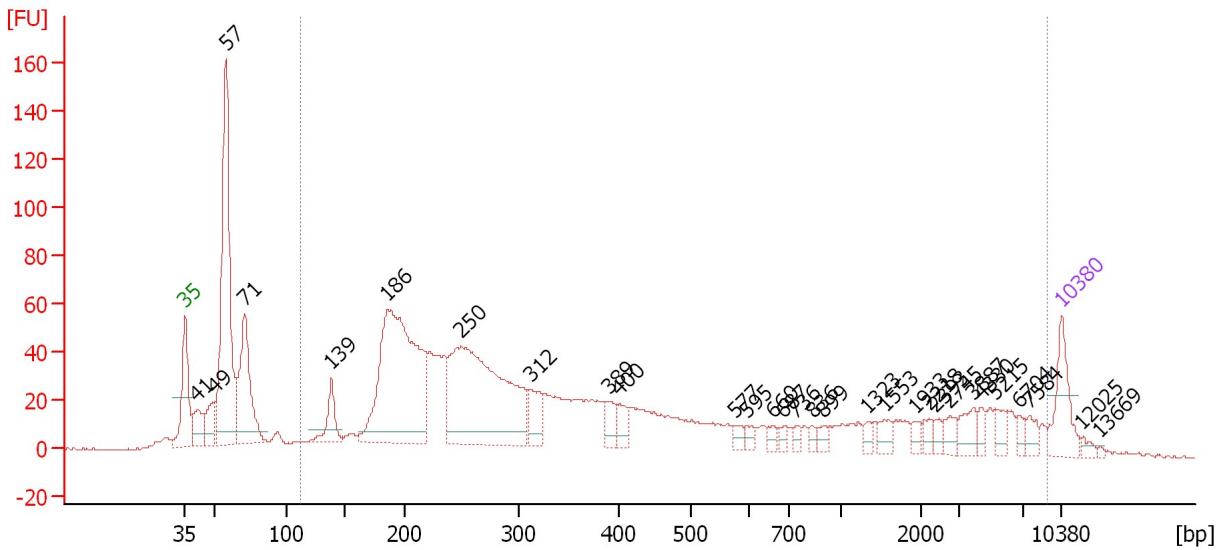
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
146	15,017	2,053	1,608.9	22,940.0	4,838.58	57	100.0

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**Electropherogram Summary Continued ...**

2: 11/18/15 CXCR5 + [ Veena ]



**Overall Results for sample 8 : 2: 11/18/15 CXCR5 +**

Number of peaks found: 30                      Corr. Area 1: 1,639.6  
 Noise: 0.4

**Peak table for sample 8 : 2: 11/18/15 CXCR5 +**

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	41	74.32	2,749.4		43.96
3	49	74.06	2,285.1		45.28
4	57	646.66	17,113.7		46.24
5	71	277.16	5,937.7		47.75
6	139	78.92	862.6		54.68
7	186	722.14	5,883.5		59.13
8	250	639.95	3,876.1		65.05
9	312	67.67	328.9		70.57
10	389	38.27	149.1		76.79
11	400	37.00	140.0		77.70
12	577	16.20	42.6		86.95
13	595	13.48	34.3		87.81
14	660	16.37	37.6		89.94
15	687	13.80	30.4		90.80
16	736	13.63	28.1		91.71
17	836	11.40	20.7		93.07
18	899	15.27	25.7		93.93
19	1,323	13.54	15.5		97.37
20	1,553	21.14	20.6		98.84
21	1,933	13.67	10.7		101.27
22	2,218	15.06	10.3		102.38
23	2,393	11.69	7.4		102.93
24	2,745	22.75	12.6		104.05
25	3,887	33.29	13.0		105.97

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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : 2: 11/18/15 CXCR5 +**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,330	15.13	5.3		106.53
27	5,215	22.02	6.4		107.64
28	6,704	12.87	2.9		109.51
29	7,584	19.52	3.9		110.42
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,025	0.00	0.0		114.52
32	13,669	0.00	0.0		116.03

**Region table for sample 8 : 2: 11/18/15 CXCR5 +**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
112	9,047	1,072	1,639.6	16,602.7	3,121.05	75	100.0

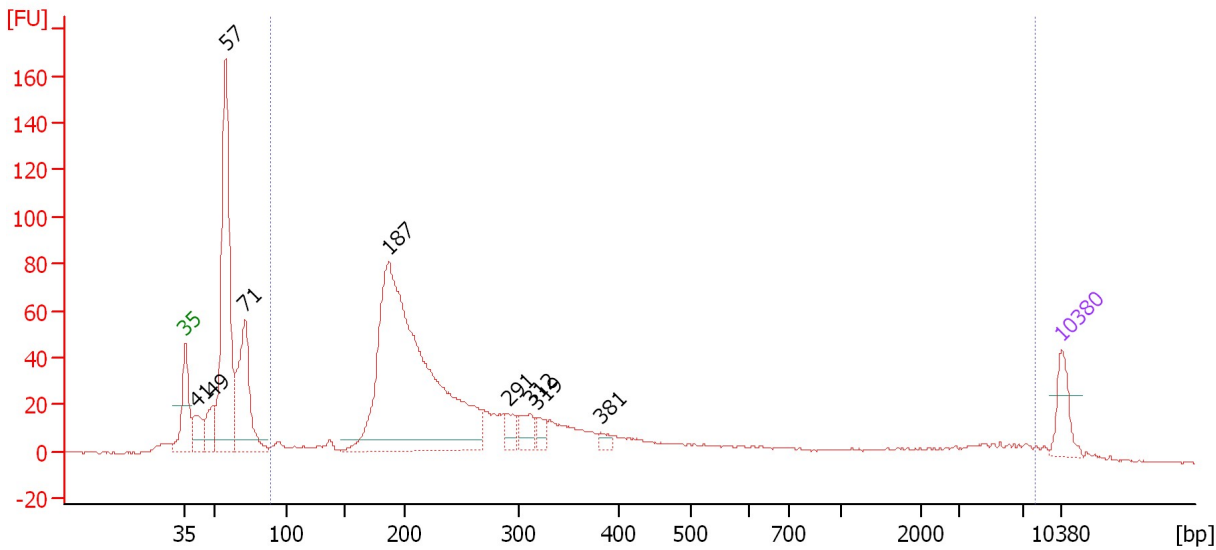


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**Electropherogram Summary Continued ...**

3: 12/11/15 WT [ Veena ]



**Overall Results for sample 9 : 3: 12/11/15 WT**

Number of peaks found: 9                      Corr. Area 1: 1,004.1  
 Noise: 0.4

**Peak table for sample 9 : 3: 12/11/15 WT**

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	41	107.93	4,020.3		43.92
3	49	109.59	3,419.5		45.19
4	57	908.19	23,965.0		46.26
5	71	428.05	9,138.8		47.78
6	187	1,823.06	14,773.7		59.23
7	291	58.82	306.3		68.79
8	312	76.04	369.5		70.57
9	319	40.93	194.6		71.13
10	381	22.65	90.0		76.17
11	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 9 : 3: 12/11/15 WT**

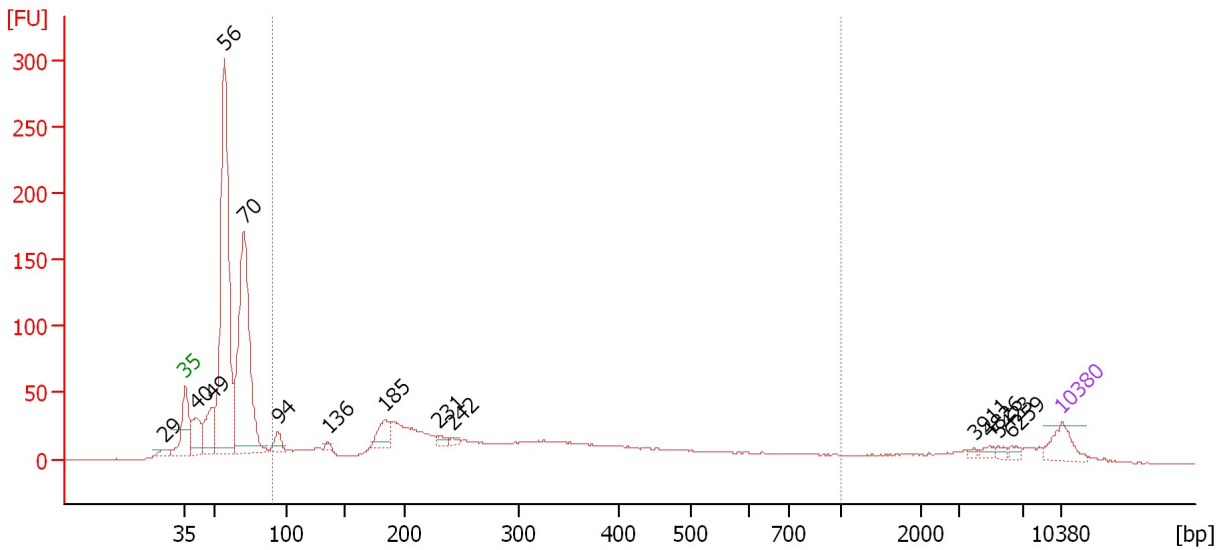
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
89	7,991	609	1,004.1	18,005.0	2,796.39	68	100.0

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**Electropherogram Summary Continued ...**

4: 1/12/16 No Dox [ Veena ]



**Overall Results for sample 10 : 4: 1/12/16 No Dox**

Number of peaks found: 14                      Corr. Area 1: 512.1  
 Noise: 0.4

**Peak table for sample 10 : 4: 1/12/16 No Dox**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	29	0.00	0.0		41.30
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	167.29	6,294.7		43.85
4	49	203.66	6,344.6		45.20
5	56	1,503.55	40,335.3		46.15
6	70	1,143.60	24,668.4		47.70
7	94	62.04	997.8		50.40
8	136	14.42	161.2		54.40
9	185	110.84	910.1		59.00
10	231	22.37	146.7		63.30
11	242	15.89	99.5		64.30
12	3,911	7.50	2.9		106.00
13	4,826	14.14	4.4		107.15
14	5,423	13.50	3.8		107.90
15	6,259	15.36	3.7		108.95
16	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 10 : 4: 1/12/16 No Dox**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
91	1,000	266	512.1	10,203.2	1,378.00	34	41.2

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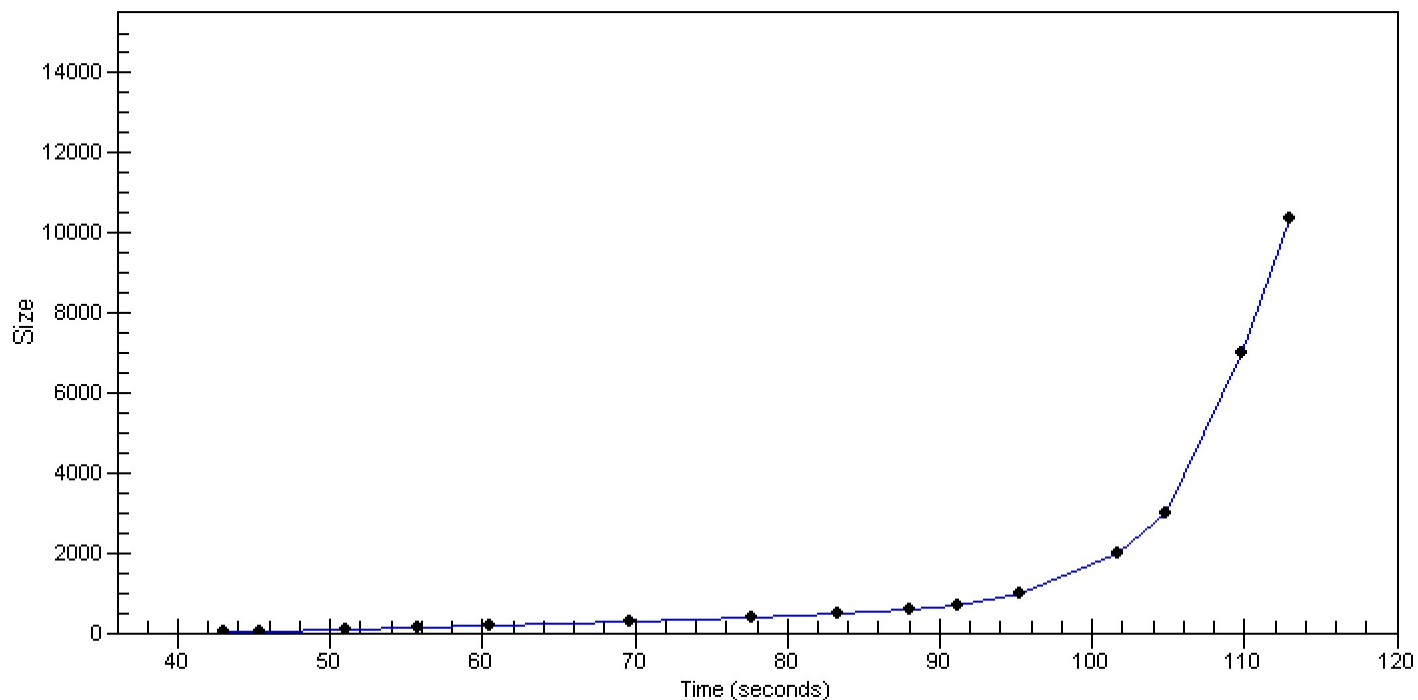
**Gel Image**

Assay Class: High Sensitivity DNA Assay  
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**Curves**

**Standard Curve**



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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: 12)		Instrument	Run		3/24/2016 2:26:53 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\2016-03-24\2016-03-24_001.xad)		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1