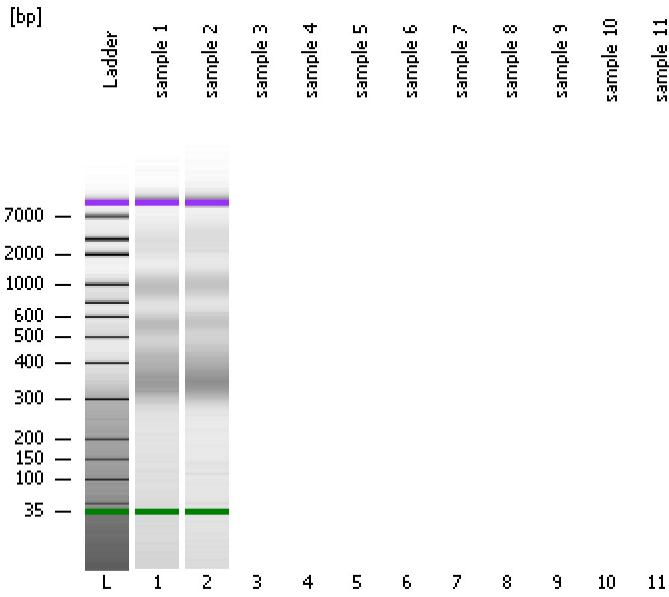


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

Created: 1/27/2014 1:58:36 PM
Modified: 1/27/2014 2:14:13 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

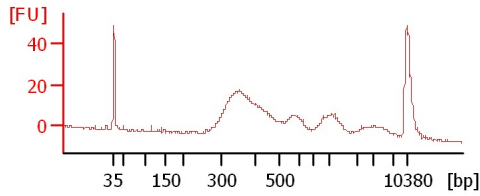
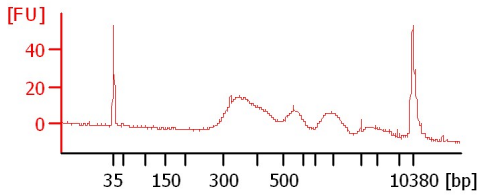
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

sample 1

sample 2



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

Created: 1/27/2014 1:58:36 PM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>				
sample 4		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

Created: 1/27/2014 1:58:36 PM
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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

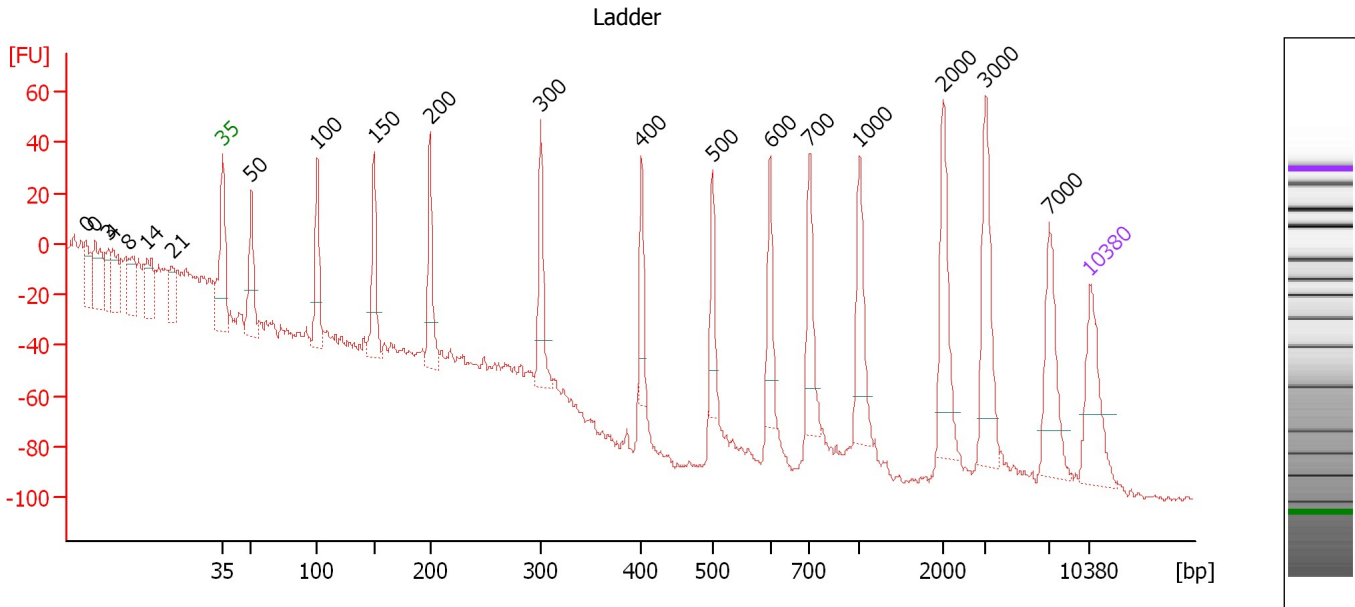
Ladder

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:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

Created: 1/27/2014 1:58:36 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 1.7

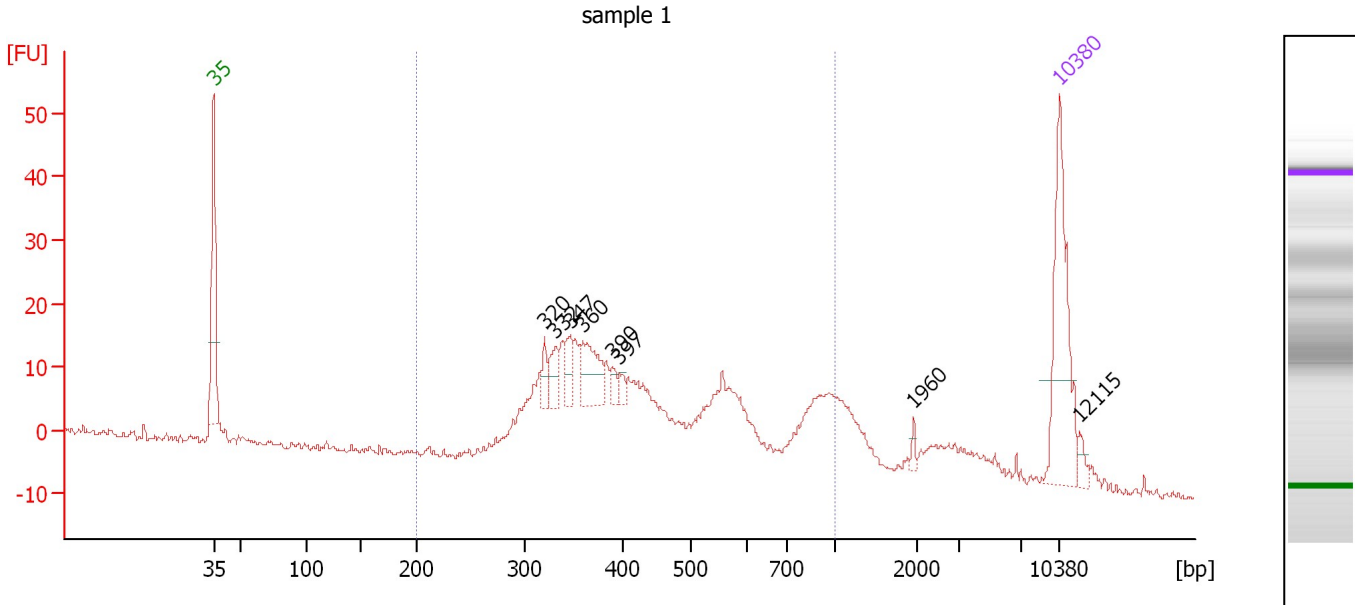
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31.91	0	0.00	0.0	
2	32.69	0	0.00	0.0	
3	33.72	3	0.00	0.0	
4	34.06	4	0.00	0.0	
5	35.39	8	0.00	0.0	
6	36.90	14	0.00	0.0	
7	38.92	21	0.00	0.0	
8	43.00	35	125.00	5,411.3	Lower Marker
9	45.28	50	150.00	4,545.5	Ladder Peak
10	50.61	100	150.00	2,272.7	Ladder Peak
11	55.20	150	150.00	1,515.2	Ladder Peak
12	59.72	200	150.00	1,136.4	Ladder Peak
13	68.70	300	150.00	757.6	Ladder Peak
14	76.78	400	150.00	568.2	Ladder Peak
15	82.49	500	150.00	454.5	Ladder Peak
16	87.17	600	150.00	378.8	Ladder Peak
17	90.35	700	150.00	324.7	Ladder Peak
18	94.39	1,000	150.00	227.3	Ladder Peak
19	101.14	2,000	150.00	113.6	Ladder Peak
20	104.58	3,000	150.00	75.8	Ladder Peak
21	109.73	7,000	150.00	32.5	Ladder Peak
22	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 8 Corr. Area 1: 413.9
 Noise: 0.6

Peak table for sample 1 : sample 1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	70.35	320	11.86	56.1	
3	71.27	332	18.92	86.4	
4	72.46	347	16.70	73.0	
5	73.57	360	39.19	164.8	
6	75.95	390	7.57	29.4	
7	76.57	397	5.79	22.1	
8	100.87	1,960	3.38	2.6	
9	113.00	10,380	75.00	10.9	Upper Marker
10	114.68	12,115	0.00	0.0	

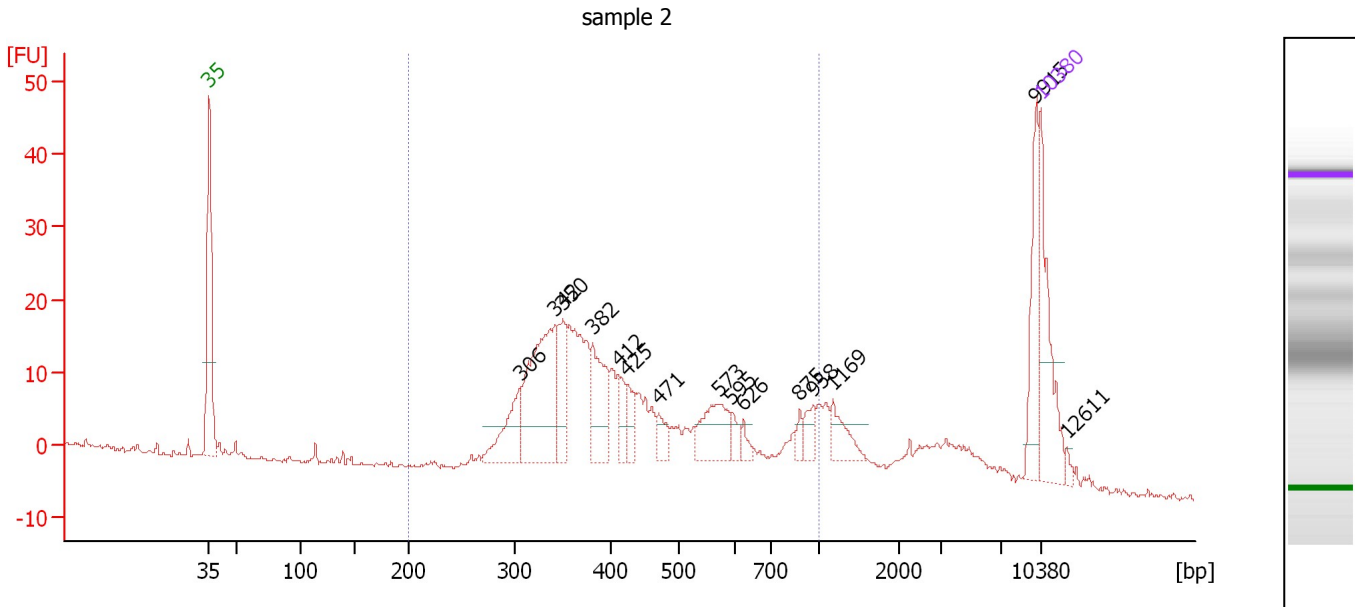
Region table for sample 1 : sample 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	480	2,383.9	647.34	413.9	77	37.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 15 Corr. Area 1: 375.8
 Noise: 0.3

Peak table for sample 2 : sample 2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.18	306	63.44	314.2	
3	72.10	342	172.39	763.6	
4	72.72	350	55.39	239.9	
5	75.28	382	71.80	285.1	
6	77.44	412	24.23	89.2	
7	78.20	425	23.85	85.0	
8	80.85	471	19.36	62.2	
9	85.92	573	53.41	141.2	
10	86.96	595	11.99	30.5	
11	87.99	626	8.75	21.2	
12	92.70	875	8.34	14.5	
13	93.83	958	14.63	23.1	
14	95.53	1,169	25.79	33.4	
15	112.55	9,915	54.85	8.4	
16	113.00	10,380	75.00	10.9	Upper Marker
17	115.16	12,611	0.00	0.0	

Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	462	3,405.4	908.05	375.8	74	36.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-27\2014-01-27_004.xad

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Modified: 1/27/2014 2:14:13 PM

Gel Image

