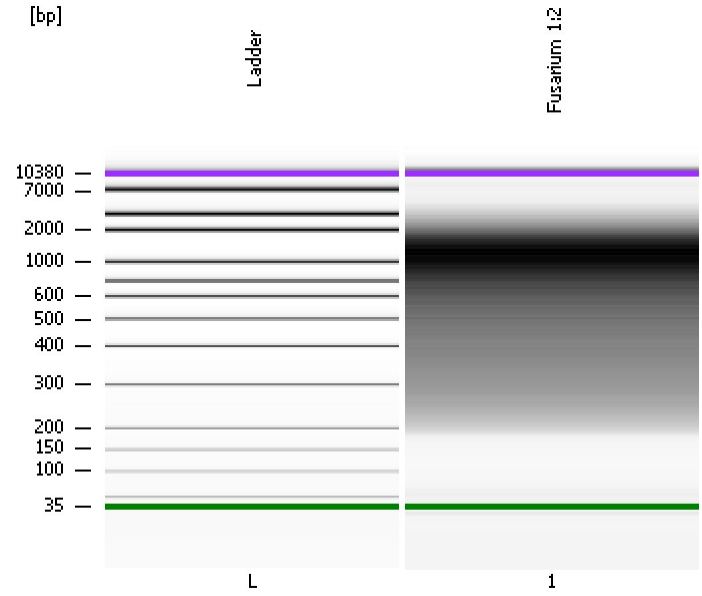
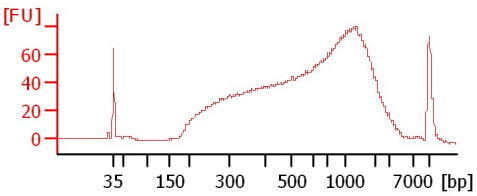
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-02-25\2014-02-25_002_Fusarium.xad

Created: 2/25/2014 12:19:22 PM
Modified: 2/25/2014 1:11:05 PM

Electrophoresis File Run Summary



Fusarium 1:2



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:	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-02-25\2014-02-25_002_Fusarium.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Fusarium 1:2		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-02-25\2014-02-25_002_Fusarium.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

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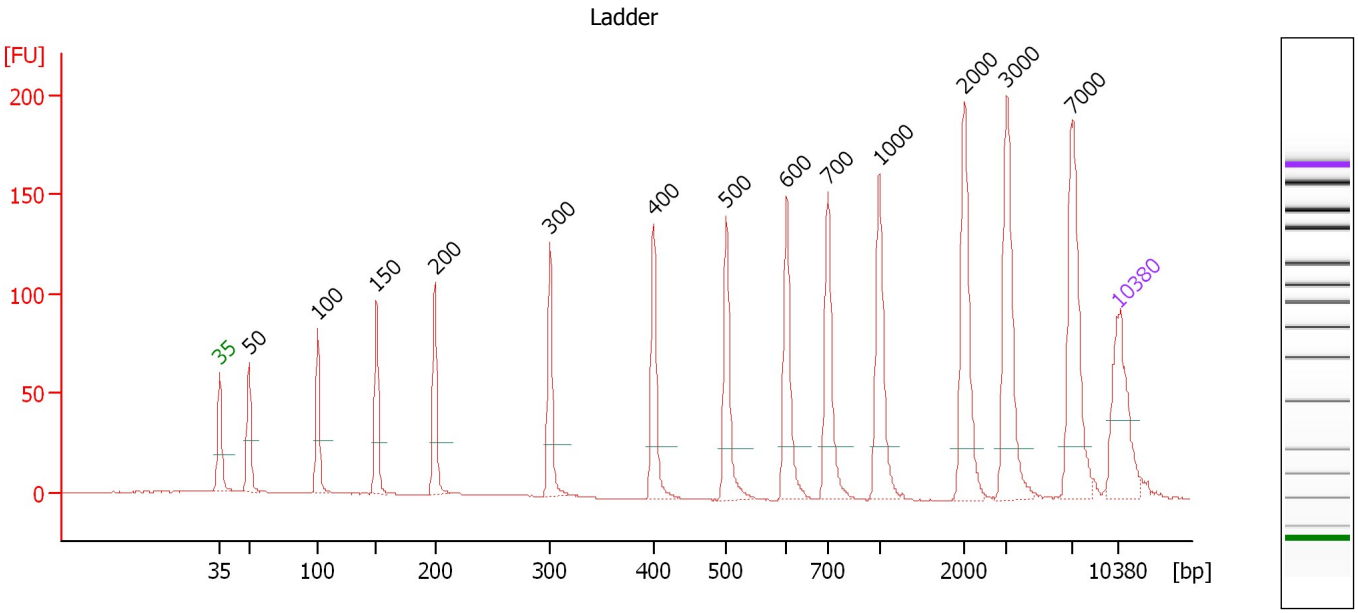
Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

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		45.28	50	150.00	4,545.5	Ladder Peak
3		50.64	100	150.00	2,272.7	Ladder Peak
4		55.21	150	150.00	1,515.2	Ladder Peak
5		59.74	200	150.00	1,136.4	Ladder Peak
6		68.72	300	150.00	757.6	Ladder Peak
7		76.82	400	150.00	568.2	Ladder Peak
8		82.47	500	150.00	454.5	Ladder Peak
9		87.16	600	150.00	378.8	Ladder Peak
10		90.36	700	150.00	324.7	Ladder Peak
11		94.39	1,000	150.00	227.3	Ladder Peak
12		101.04	2,000	150.00	113.6	Ladder Peak
13		104.32	3,000	150.00	75.8	Ladder Peak
14		109.34	7,000	150.00	32.5	Ladder Peak
15		113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Settings\Bioanalyzer\2014-02-25\2014-02-25_002_Fusarium.xad

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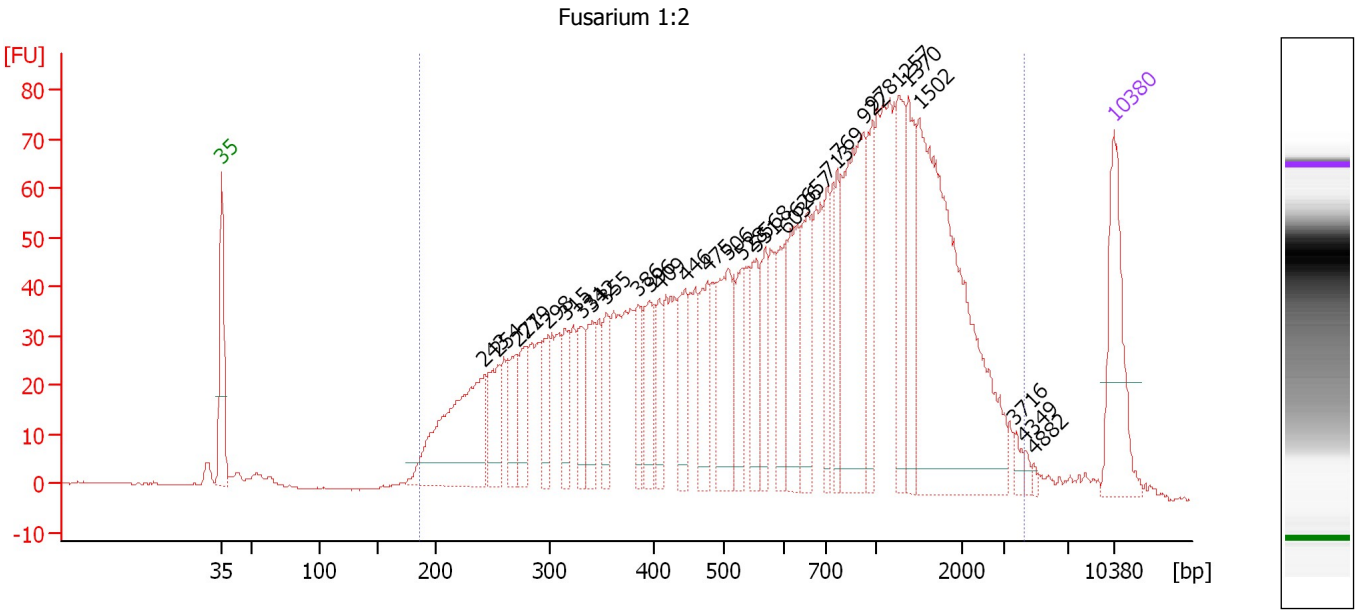
Electropherogram Summary Continued ...



Overall Results for sample 1 : Fusarium 1:2

Number of peaks found:	31	Corr. Area 1:	2,463.0
Noise:	0.2		

Peak table for sample 1 : Fusarium 1:2

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	63.59	243	204.77	1,277.6	
3	64.63	254	60.43	359.8	
4	66.14	271	46.95	262.2	
5	66.85	279	43.80	237.7	
6	68.56	298	37.14	188.6	
7	69.95	315	42.84	205.9	
8	71.20	331	42.18	193.3	
9	72.08	342	49.83	221.1	
10	73.17	355	45.17	192.8	
11	75.68	386	36.80	144.5	
12	76.51	396	49.65	189.8	
13	77.31	409	33.72	125.0	
14	79.40	446	55.45	188.5	
15	81.08	475	58.66	187.0	
16	82.75	506	90.18	270.0	
17	83.79	528	45.71	131.1	
18	84.88	551	46.20	126.9	
19	85.68	568	46.42	123.7	
20	87.27	603	51.50	129.3	
21	87.98	626	72.41	175.4	
22	88.98	657	63.88	147.3	
23	90.53	713	43.09	91.6	
24	91.28	769	43.92	86.6	
25	93.33	922	159.86	262.8	

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Electropherogram Summary Continued ...

... Peak table for sample 1 : Fusarium 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
26	94.09	978	51.87	80.4	
27	96.10	1,257	63.17	76.1	
28	96.85	1,370	69.66	77.0	
29	97.73	1,502	319.11	321.8	
30	105.22	3,716	7.39	3.0	
31	106.01	4,349	4.06	1.4	
32	106.68	4,882	2.88	0.9	
33	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : Fusarium 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Color Area	% of Total	Size distribution in CV [%]
187	4,352	864	9,038.1	2,828.21	2,463.0	98	74.5

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Gel Image