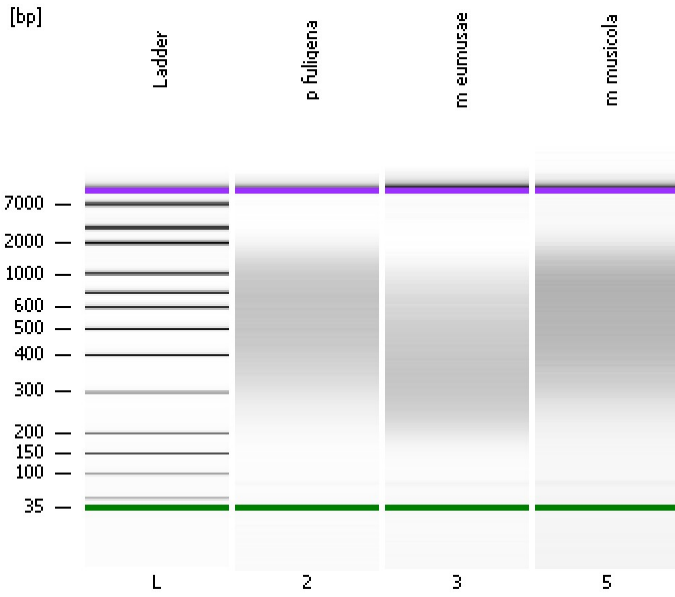


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
Modified: 10/7/2013 3:53:48 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

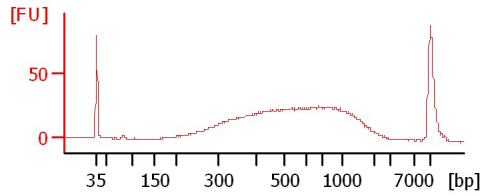
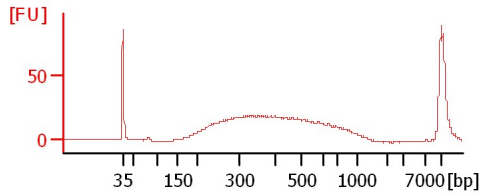
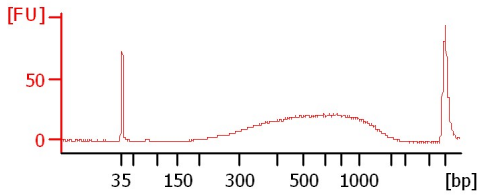
Chip Information:

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

p fuligena

m eumusae

m musicola



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
p fuligena		<input type="checkbox"/>	✓			
m eumusae		<input type="checkbox"/>	✓			
m musicola		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
Modified: 10/7/2013 3:53:48 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

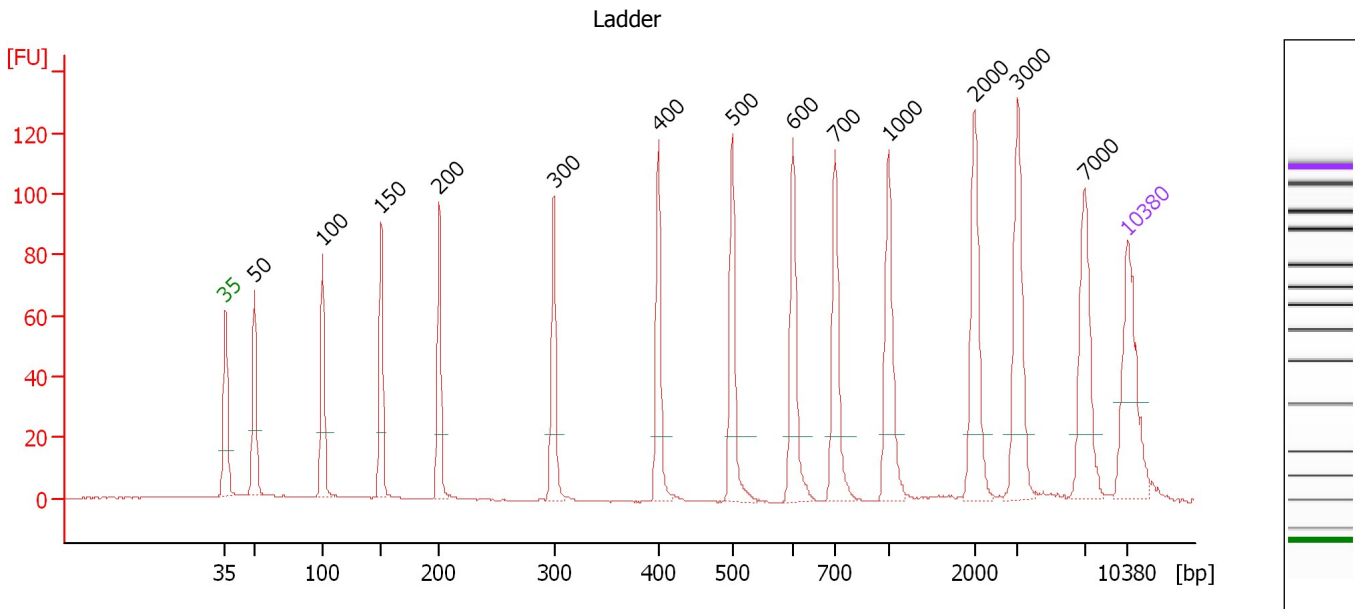
Ladder

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:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESSamples.xad

Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

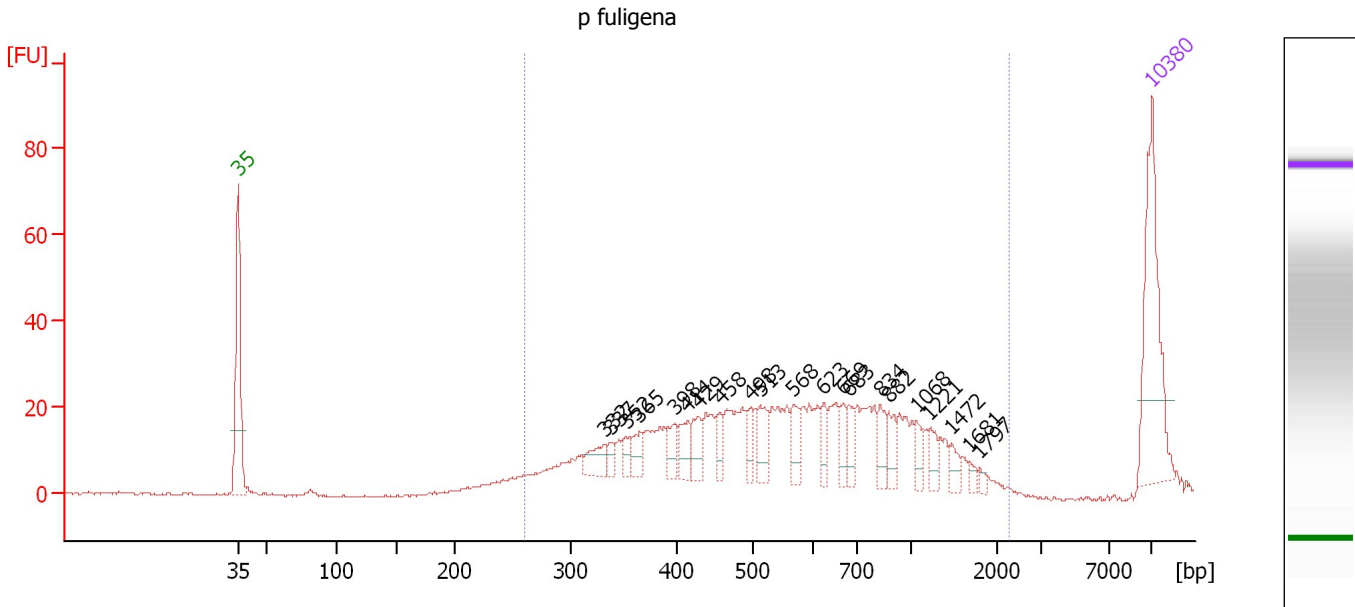
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : p fuligena

Number of peaks found: 21 Corr. Area 1: 617.5
 Noise: 0.2

Peak table for sample 2 : p fuligena

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	332	19.08	87.2	
3	337	7.07	31.8	
4	352	9.27	40.0	
5	365	14.38	59.7	
6	398	15.85	60.4	
7	414	18.81	68.8	
8	429	17.83	63.0	
9	458	12.77	42.2	
10	498	12.62	38.4	
11	513	24.09	71.2	
12	568	18.34	49.0	
13	623	12.69	30.9	
14	669	12.08	27.3	
15	683	11.95	26.5	
16	834	14.88	27.0	
17	882	12.66	21.8	
18	1,068	8.62	12.2	
19	1,221	10.20	12.7	
20	1,472	8.17	8.4	
21	1,681	3.50	3.2	
22	1,797	2.65	2.2	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...

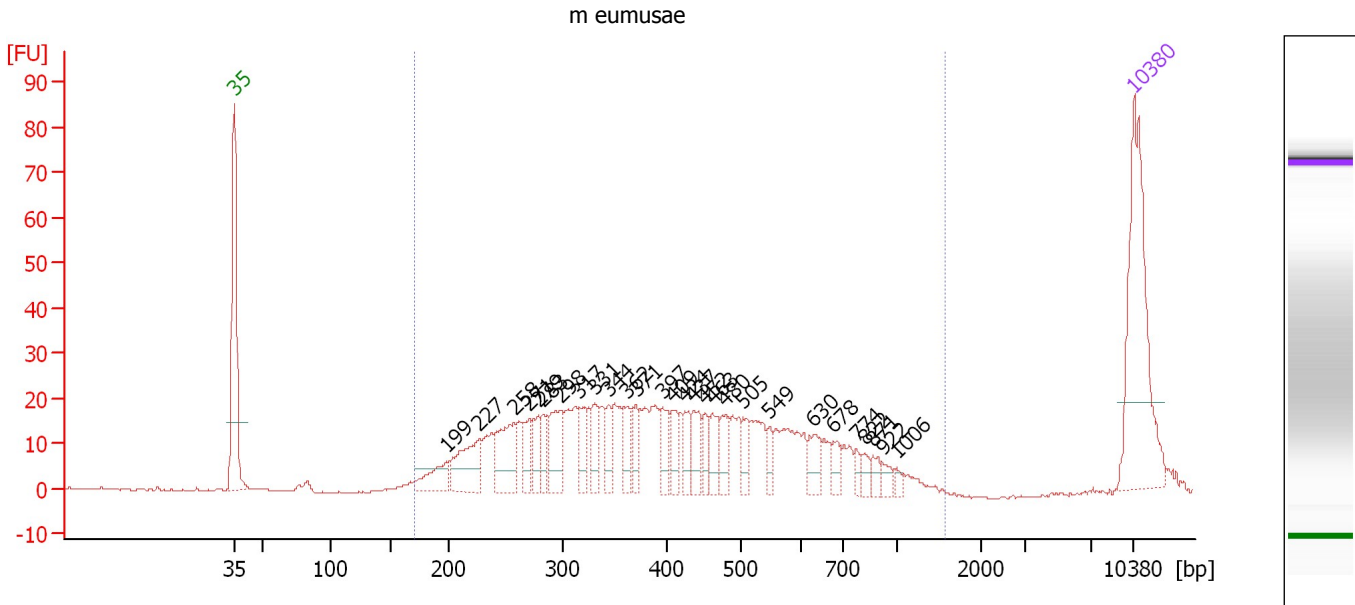
... Region table for sample 2 : p fuligena

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
260	2,268	636	2,008.4	652.13	617.5	97	50.8	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : m eumusae

Number of peaks found: 28 Corr. Area 1: 694.1
 Noise: 0.2

Peak table for sample 3 : m eumusae


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	199	23.25	177.0	
3	227	40.67	270.9	
4	258	39.51	232.2	
5	271	16.66	93.2	
6	279	14.93	81.0	
7	283	14.18	75.9	
8	298	30.77	156.3	
9	317	15.48	74.1	
10	331	14.36	65.6	
11	344	13.74	60.5	
12	362	14.11	59.0	
13	371	12.83	52.4	
14	397	15.40	58.8	
15	409	13.18	48.9	
16	424	12.79	45.7	
17	437	16.06	55.7	
18	452	10.54	35.3	
19	463	14.34	46.9	
20	480	14.03	44.3	
21	505	11.07	33.2	
22	549	7.90	21.8	
23	630	13.42	32.3	
24	678	8.08	18.0	
25	774	4.73	9.2	
26	822	5.14	9.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad


Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : m eumusae

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	871	6.02	10.5	
28	922	4.98	8.2	
29	1,006	3.05	4.6	
30	 10,380	75.00	10.9	Upper Marker

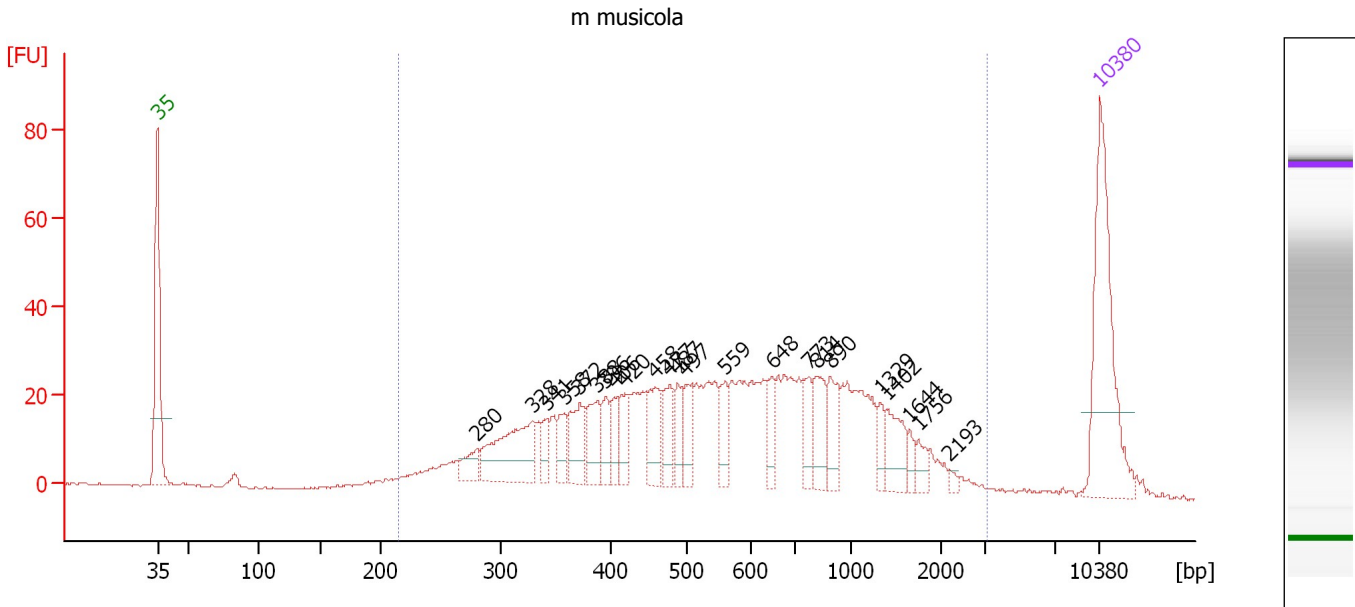
Region table for sample 3 : m eumusae

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
171	1,576	429	2,739.7	627.97	694.1	99	41.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
 Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : m musicola

Number of peaks found: 23 Corr. Area 1: 923.5
 Noise: 0.2

Peak table for sample 5 : m musicola

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	14.27	77.3	
3	328	62.69	289.2	
4	341	11.28	50.1	
5	358	15.43	65.3	
6	372	26.61	108.4	
7	388	24.78	96.7	
8	396	15.35	58.7	
9	406	13.44	50.1	
10	420	18.03	65.0	
11	458	26.47	87.6	
12	477	20.03	63.6	
13	487	14.57	45.3	
14	497	19.12	58.2	
15	559	16.78	45.5	
16	648	13.74	32.1	
17	773	17.48	34.3	
18	814	23.08	43.0	
19	890	20.50	34.9	
20	1,329	8.46	9.6	
21	1,402	20.46	22.1	
22	1,644	5.64	5.2	
23	1,756	6.93	6.0	
24	2,193	2.29	1.6	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESsamples.xad

Created: 10/4/2013 5:00:22 PM
Modified: 10/7/2013 3:53:48 PM

Electropherogram Summary Continued ...

... Region table for sample 5 : m musicola

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
215	3,025	698	2,546.8	810.47	923.5	97	63.7	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2013-10-04\2013-10-04_AESSamples.xad

Created: 10/4/2013 5:00:22 PM
Modified: 10/7/2013 3:53:48 PM

Gel Image

