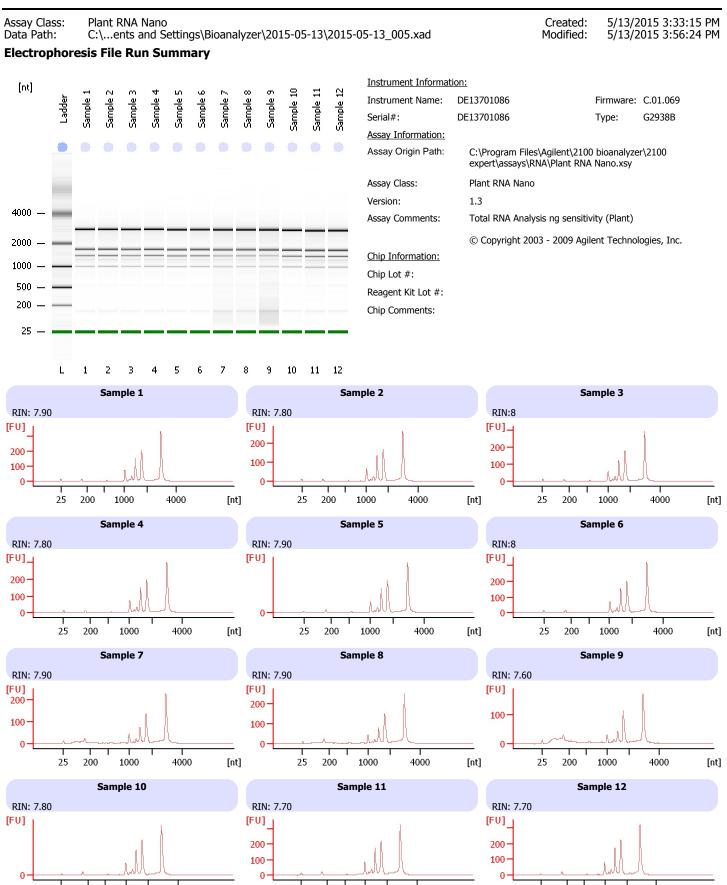
2015-05-13_005.xad



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Printed: 5/13/2015 3:57:36 PM

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2015-05-13_005.xad

Data Path:	C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad
Assay Class:	Plant RNA Nano

Created: 5/13/2015 3:33:15 PM Modified: 5/13/2015 3:56:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		~	RIN: 7.90	
Sample 2		~	RIN: 7.80	
Sample 3		\checkmark	RIN:8	
Sample 4		~	RIN: 7.80	
Sample 5		~	RIN: 7.90	
Sample 6		~	RIN:8	
Sample 7		~	RIN: 7.90	
Sample 8		~	RIN: 7.90	
Sample 9		~	RIN: 7.60	
Sample 10		×	RIN: 7.80	
Sample 11		~	RIN: 7.70	
Sample 12		~	RIN: 7.70	
Ladder		~	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.): 13

Minimum Visible Range [s] : 17Maximum Visible Range [s] : 70Start Analysis Time Range [s] : 19End Analysis Time Range [s] : 69Ladder Concentration $[ng/\mu I] : 150$ Lower Marker Concentration $[ng/\mu I] : 0$ Upper Marker Concentration $[ng/\mu I] : 0$ Used Lower Marker for Quantitation Standard Curve Fit is Logarithmic Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19 Integration End Time [s] : 69 Slope Threshold : 0.6 Height Threshold [FU] : 0.2 Area Threshold : 0.1 Width Threshold [s] : 0.2 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5 Polynomial Order : 4

Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Created: 5/13/2015 3:33:15 PM Modified: 5/13/2015 3:56:24 PM

2015-05-13_	005.xad		Page 4 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
Electrophero	gram Summary		
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Overall Resul	ts for Ladder		
RNA Area: RNA Concentra	146.2Result Flagging Color:tion:150 ng/μlResult Flagging Label:All Other	er Samples	

2015-05-13_	005.xad		Page 5 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad gram Summary Continued	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	Sample 1		
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L	25 200 500 1000 2000 4000	[nt]

Overall Results for sample 1 : Sample 1

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,159.7 1,190 ng/µl 1.4

RNA Integrity Number (RIN): Result Flagging Color: Result Flagging Label:

7.9	(B.02.08)
RIN	7.90

Fragment table for sample 1 : <u>Sample 1</u>						
Name	Start Size [nt]	End Size [nt]	Area	% of total Area		
18S	1,644	1,968	225.1	19.4		
25S	2,729	3,544	323.6	27.9		

2015-05-13_	005.xad		Page 6 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad gram Summary Continued	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	Sample 2		
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	25 200 500 1000 2000 4000	[nt]

Overall Results for sample 2 : Sample 2

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

946.1 971 ng/µl 1.3

RNA Integrity Number (RIN):	7.8
Result Flagging Color:	
Result Flagging Label:	RIN:

(B.02.08)

7.80

Fragment table for sample 2 : <u>Sample 2</u>						
Name	Start Size [nt]	End Size [nt]	Area	% of total Area		
18S	1,634	1,963	183.8	19.4		
25S	2,751	3,468	241.9	25.6		

2015-05-13_005.xad Page 7 of						Page 7 of 17		
Assay Clas Data Path:	: C:\e	RNA Nano ents and Setting	-		\2015-05-13 <u>-</u>	_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	1	5 200) 500	1000	2000	4000	[1	- nt]

Overall Results for sample 3 : Sample 3

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

996.4 1,022 ng/µl 1.4

RNA Integrity Number (RIN):	
Result Flagging Color:	
Result Flagging Label:	

8	(B.02.08)
RI	N:8

Fragme	Fragment table for sample 3 : <u>Sample 3</u>						
Name	Start Size [nt]	End Size [nt]	Area	% of total Area			
18S	1,632	1,967	192.8	19.4			
25S	2,723	3,572	277.6	27.9			

2015-05-13_	_005.xad							Page 8 of 17
Assay Class: Data Path:	Plant RNA N C:\ents ar	ano Id Settings\Bic	analyzer\2	015-05-13\2	015-05-13_(005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	25	200	500	1000	2000	4000	[nt	:]

Overall Results for sample 4 : <u>Sample 4</u>

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,061.4 1,089 ng/µl 1.4

RNA Integrity Number (RIN):	7.8 (B.02.08)
Result Flagging Color:	
Result Flagging Label:	RIN: 7.80

Fragme	Fragment table for sample 4 : <u>Sample 4</u>					
Name	Start Size [nt]	End Size [nt]	Area	% of total Area		
18S	1,630	1,953	209.5	19.7		
25S	2,733	3,536	287.0	27.0		

2015-05-13_	005.xad								Page 9 of 17
Assay Class: Data Path:	Plant RNA Na C:\ents and	no I Settings\Bio	analyzer\2()15-05-13\20	15-05-13_00	5.xad	Created Modified	l: 5/13 l: 5/13	3/2015 3:33:15 PM 5/2015 3:56:24 PM
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Overall Results for sample 5 : <u>Sample 5</u>

 RNA Area:
 1,

 RNA Concentration:
 1,

 rRNA Ratio [25s / 18s]:
 1.

1,562.6 1,603 ng/µl 1.5

RNA Integrity Number (RIN):
Result Flagging Color:
Result Flagging Label:

7.9	(B.02.08)
RIN	: 7.90

Fragment table for sample 5 : <u>Sample 5</u>					
Name	Start Size [nt]	End Size [nt]	Area	% of total Area	
18S	1,618	1,947	312.5	20.0	
25S	2,681	3,592	456.3	29.2	

2015-05-13_	005.xad							Page 10 of 17
Assay Class: Data Path:	Plant RNA Na C:\ents an	ano d Settings\Bio	analyzer\	2015-05-13\20)15-05-13_(005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	25	200	500	1000	2000	4000	[n	t]

Overall Results for sample 6 : <u>Sample 6</u>

RNA Area:1RNA Concentration:1rRNA Ratio [25s / 18s]:1

1,082.5 1,111 ng/µl 1.4

RNA Integrity Number (RIN):
Result Flagging Color:
Result Flagging Label:

8	(B.02.08)
RI	N:8

Fragment table for sample 6 : <u>Sample 6</u>						
Name	Start Size [nt]	End Size [nt]	Area	% of total Area		
18S	1,623	1,962	217.7	20.1		
25S	2,694	3,496	298.0	27.5		

2015-05-13_	005.xad					Page 11 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanaly		2015-05-13_00	5.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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Overall Results for sample 7 : <u>Sample 7</u>

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,052.3 1,080 ng/µl 1.5

RNA Integrity Number (RIN): Result Flagging Color: Result Flagging Label:

7.9	(B.02.08)
RIN	: 7.90

Fragment table for sample 7 : <u>Sample 7</u>							
Name	Start Size [nt]	End Size [nt]	Area	% of total Area			
18S	1,612	1,953	144.5	13.7			
25S	2,708	3,526	223.2	21.2			

2015-05-13_	005.xad		Page 12 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad gram Summary Continued	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
Electrophero	igram Summary Continued		
	Sample 8		
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Overall Results for sample 8 : Sample 8

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,078.2 1,106 ng/µl 1.5

RNA Integrity Number (RIN): Result Flagging Color: Result Flagging Label:

7.9	(B.02.08)
RIN	7.90

Fragment table for sample 8 : <u>Sample 8</u>							
Name	Start Size [nt]	End Size [nt]	Area	% of total Area			
18S	1,624	1,950	164.4	15.2			
25S	2,698	3,560	248.0	23.0			

2015-05-13_	005.xad							Page 13 of 17
Assay Class: Data Path:	Plant RNA Nan C:\ents and S	Settings\Bi		\2015-05-13\2	2015-05-13 <u>.</u>	_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	25	200	500	1000	2000	4000	[n	۲J

Overall Results for sample 9 : Sample 9

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,022.1 1,049 ng/µl 1.6

RNA Integrity Number (RIN):
Result Flagging Color:
Result Flagging Label:

7.6	(B.02.08)
RIN	7.60

Fragme	nt table for sample	e9: <u>Sample</u>	9	
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,653	1,965	113.0	11.1
25S	2,699	3,668	178.6	17.5

2015-05-13_	005.xad							Page 14 of 17
Assay Class: Data Path:	Plant RNA C:\ents	Nano and Settings\B	ioanalyze	r\2015-05-13 [\]	2015-05-13	8_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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					76	12		
	25	200	500	1000	2000	4000	[n	t]

Overall Results for sample 10 : <u>Sample 10</u>

 RNA Area:
 1,30

 RNA Concentration:
 1,33

 rRNA Ratio [25s / 18s]:
 1.4

1,303.8 1,338 ng/µl

RNA Integrity Number (RIN):	7.8 (B.02.08)
Result Flagging Color:	
Result Flagging Label:	RIN: 7.80

Fragment table for sample 10 : <u>Sample 10</u>

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	1,937	265.2	20.3
25S	2,662	3,432	377.1	28.9

2015-05-13_	005.xad							Page 15 of 17
Assay Class: Data Path:		nd Settings\E		\2015-05-13	2015-05-13	3_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
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	25	200	500	1000	2000	4000	[n	t]

Overall Results for sample 11 : Sample 11

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]:

1,352.8 1,388 ng/µl 1.5

RNA Integrity Number (RIN):	7.7 (B.02.08)
Result Flagging Color:	
Result Flagging Label:	RIN: 7.70

Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,902	240.3	17.8
25S	2,508	3,410	350.2	25.9

2015-05-13_	005.xad		Page 16 of 17
Assay Class: Data Path:	Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad	Created: Modified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM
Electrophero	gram Summary Continued		
	Sample 12		
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Overall Results for sample 12 : Sample 12

RNA Area: RNA Concentration: rRNA Ratio [25s / 18s]: 1.4

1,125.3 1,155 ng/µl

RNA Integrity Number (RIN):	7.7 (B.02.08)
Result Flagging Color:	
Result Flagging Label:	RIN: 7.70

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,918	240.2	21.3
25S	2,651	3,412	327.7	29.1

Assay Class: Data Path: Gel Image		Plant RNA Nano C:\ents and Settings\Bioanalyzer\2015-05-13\2015-05-13_005.xad									ated: ified:	5/13/2015 3:33:15 PM 5/13/2015 3:56:24 PM	
[nt]	Ladder	Sample 1	Sample 2	Sample 3	Gample 4	Sample 5	Sample 6	🛑 Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Gample 12
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