

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-01\2017-08-01_003.xad

Created: 8/1/2017 1:49:14 PM
Modified: 8/1/2017 2:09:17 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\RNA\Plant RNA Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

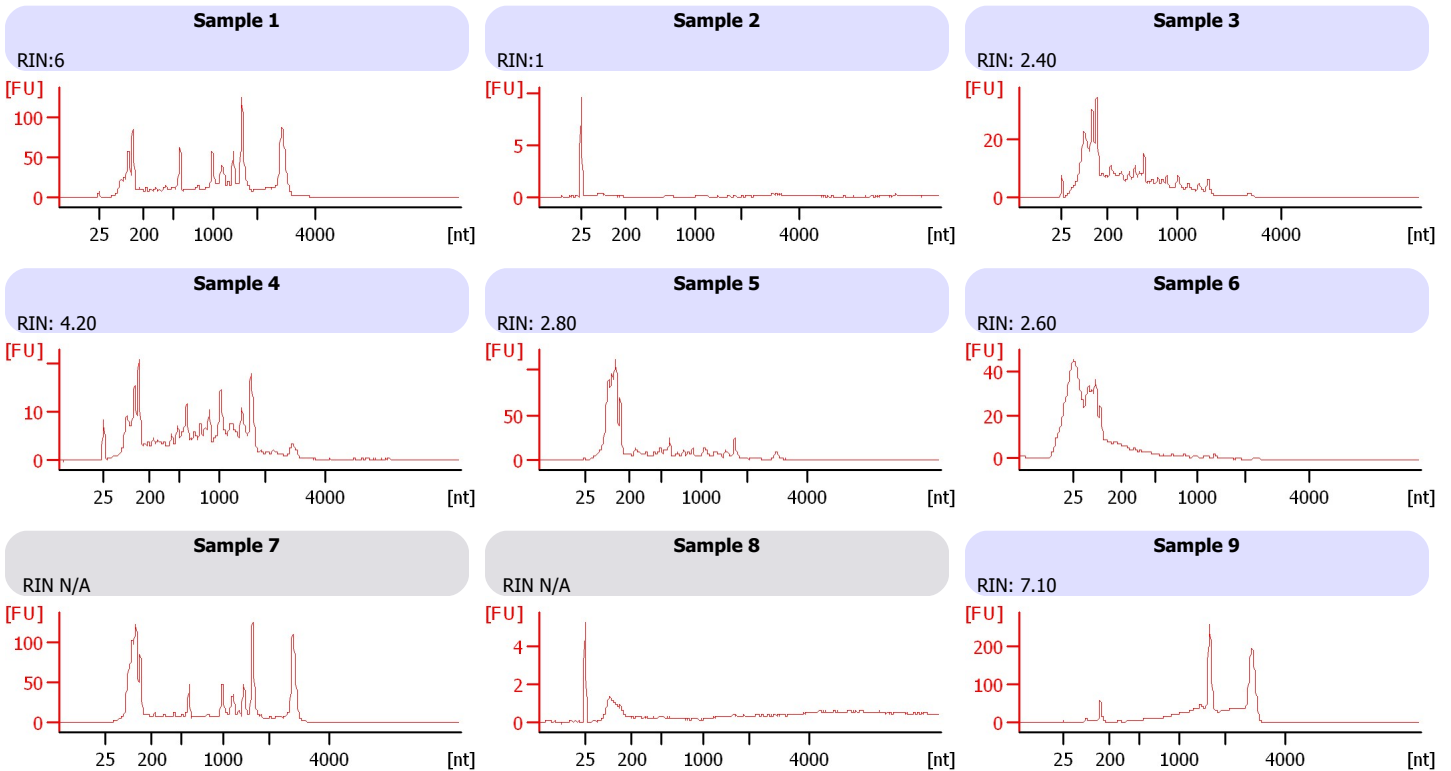
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:6	
Sample 2		✓	RIN:1	
Sample 3		✓	RIN: 2.40	
Sample 4		✓	RIN: 4.20	
Sample 5		✓	RIN: 2.80	
Sample 6		✓	RIN: 2.60	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 7.10	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

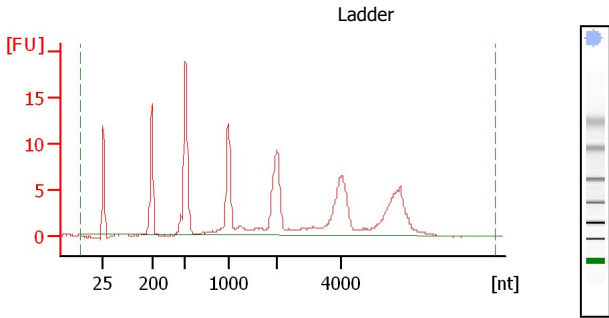
Reagent Kit Lot #

Chip Comments :

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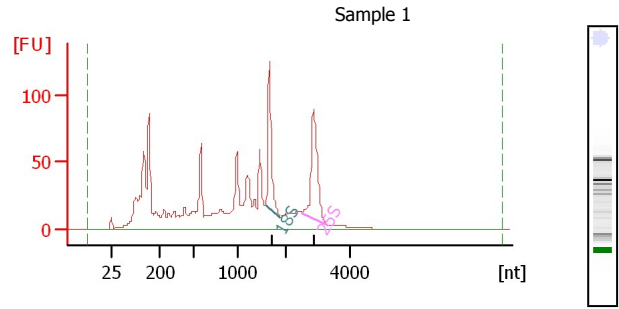
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 158.3
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

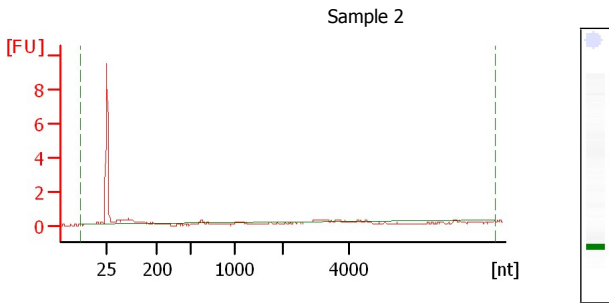


Overall Results for sample 1 : Sample 1

RNA Area: 1,481.4
 RNA Concentration: 9,356 pg/μl
 rRNA Ratio [25s / 18s]: 1.3
 RNA Integrity Number (RIN): 6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:6

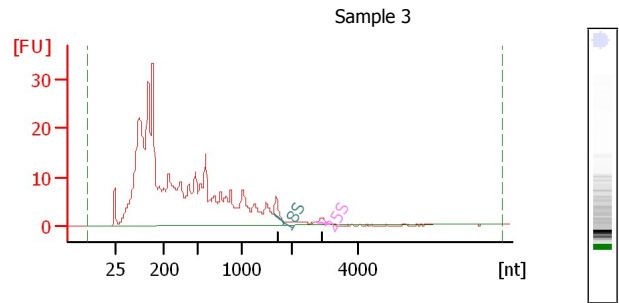
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,889	121.8	8.2
25S	2,496	3,277	153.0	10.3



Overall Results for sample 2 : Sample 2

RNA Area: 5.1
 RNA Concentration: 32 pg/μl
 rRNA Ratio [25s / 18s]: 0.0
 RNA Integrity Number (RIN): 1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:1



Overall Results for sample 3 : Sample 3

RNA Area: 500.5
 RNA Concentration: 3,161 pg/μl
 rRNA Ratio [25s / 18s]: 0.4
 RNA Integrity Number (RIN): 2.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.40

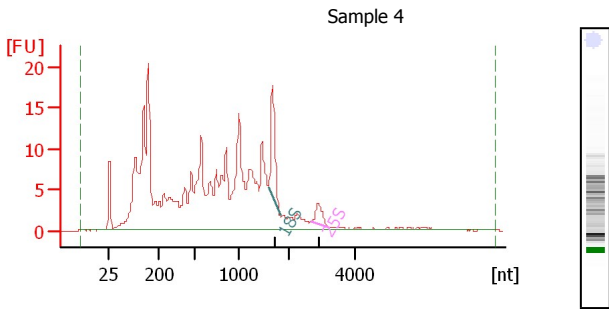
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,820	4.8	1.0
25S	2,724	3,146	1.9	0.4

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Electropherogram Summary Continued ...

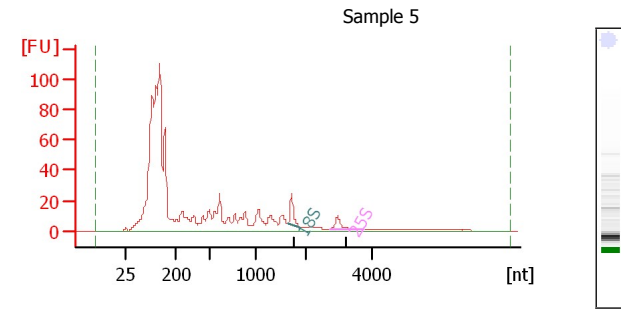


Overall Results for sample 4 : Sample 4

RNA Area: 366.5
 RNA Concentration: 2,315 pg/μl
 rRNA Ratio [25s / 18s]: 0.3
 RNA Integrity Number (RIN): 4.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.20

Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,832	17.2	4.7
25S	2,671	3,228	5.1	1.4

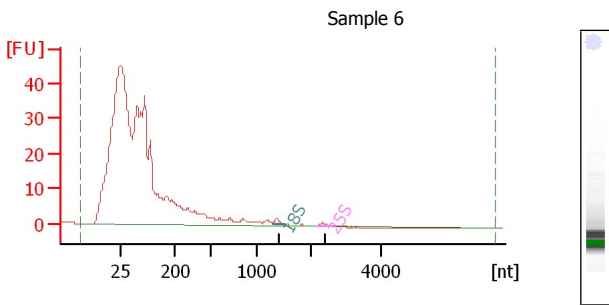


Overall Results for sample 5 : Sample 5

RNA Area: 1,164.7
 RNA Concentration: 7,357 pg/μl
 rRNA Ratio [25s / 18s]: 0.6
 RNA Integrity Number (RIN): 2.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.80

Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	1,868	21.5	1.8
25S	2,694	3,727	12.8	1.1

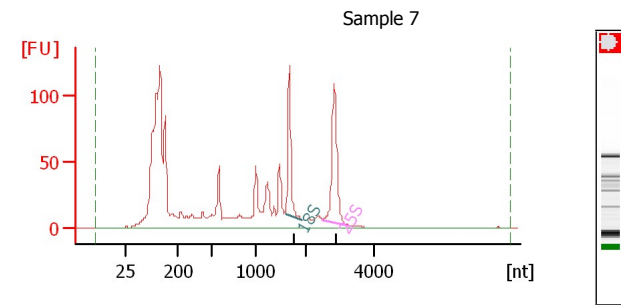


Overall Results for sample 6 : Sample 6

RNA Area: 404.4
 RNA Concentration: 2,554 pg/μl
 rRNA Ratio [25s / 18s]: 0.6
 RNA Integrity Number (RIN): 2.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,288	1,517	2.2	0.5
25S	2,201	2,644	1.3	0.3



Overall Results for sample 7 : Sample 7

RNA Area: 1,588.2
 RNA Concentration: 10,031 pg/μl
 rRNA Ratio [25s / 18s]: 1.4
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

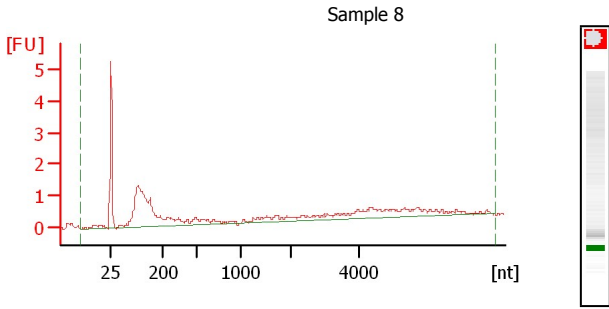
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,894	108.0	6.8
25S	2,480	3,284	155.1	9.8

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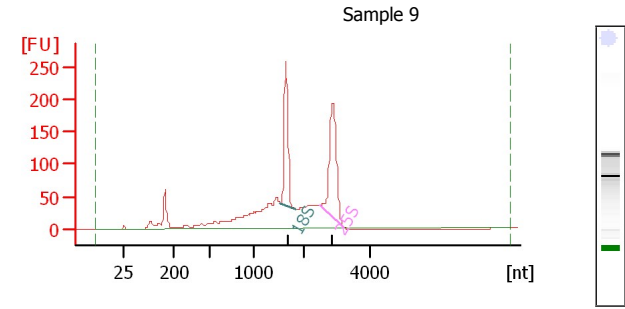
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 24.4
 RNA Concentration: 154 pg/ul
 rRNA Ratio [25s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A



Overall Results for sample 9 : Sample 9

RNA Area: 1,789.9
 RNA Concentration: 11,305 pg/ul
 rRNA Ratio [25s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.10

Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,840	266.8	14.9
25S	2,493	3,203	357.8	20.0

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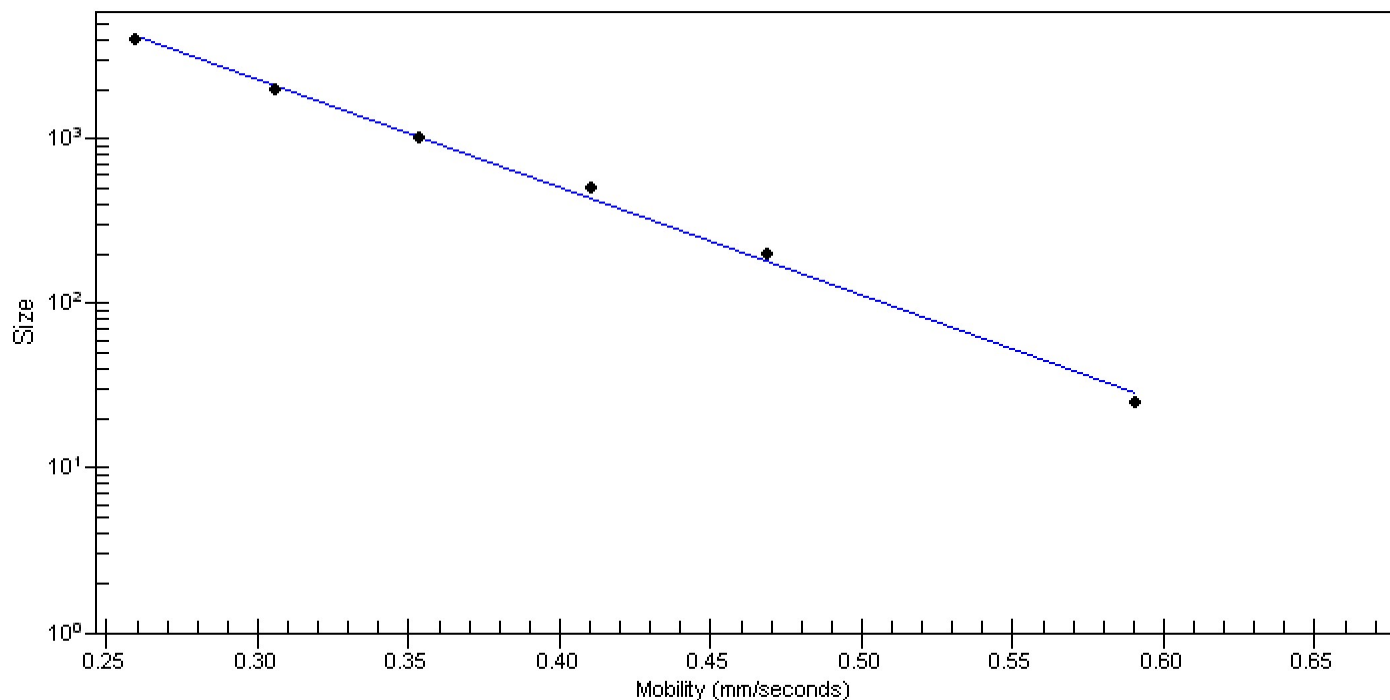
Gel Image

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Curves

Standard Curve



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Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.