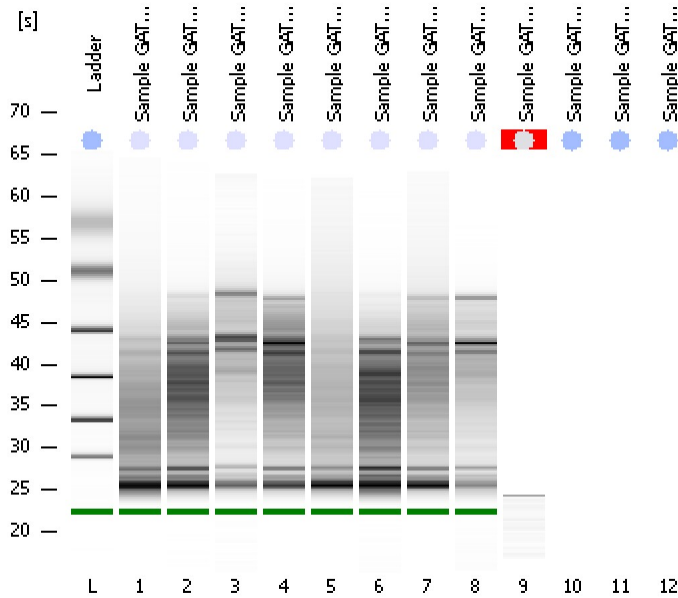


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

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 Nano.xsy

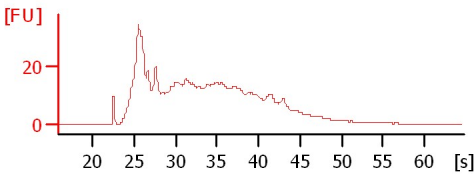
Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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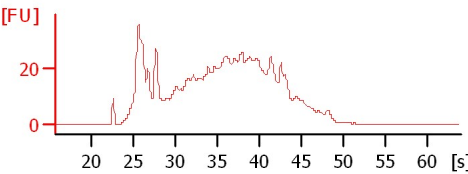
Chip Information:

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

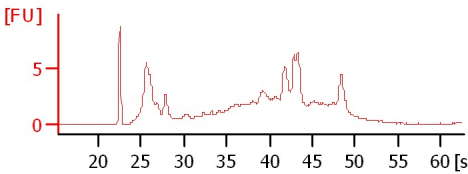
Sample GATW1
RIN: 2.10



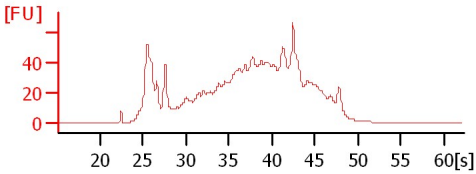
Sample GATW2
RIN: 2.20



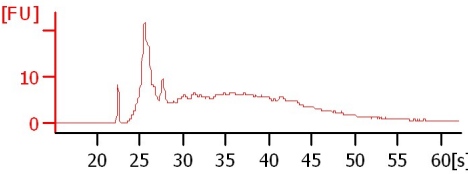
Sample GATW3
RIN: 3.80



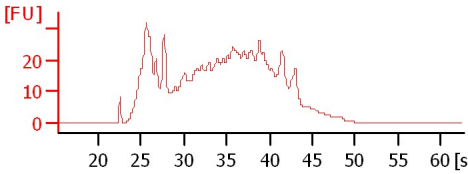
Sample GATW4
RIN: 2.20



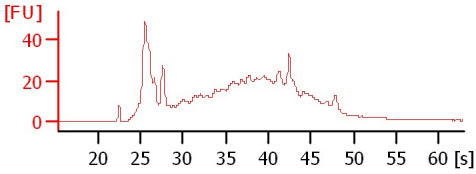
Sample GATW5
RIN: 2



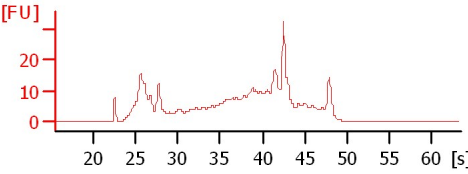
Sample GATW6
RIN: 2.10



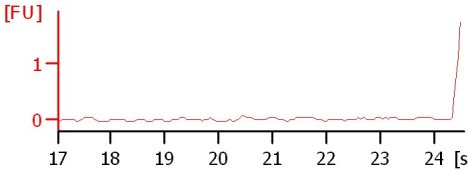
Sample GATW7
RIN: 2.30



Sample GATW8
RIN: 4.40



Sample GATW9
RIN N/A



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample GATW1		✓	RIN: 2.10	
Sample GATW2		✓	RIN: 2.20	
Sample GATW3		✓	RIN: 3.80	
Sample GATW4		✓	RIN: 2.20	
Sample GATW5		✓	RIN:2	
Sample GATW6		✓	RIN: 2.10	
Sample GATW7		✓	RIN: 2.30	
Sample GATW8		✓	RIN: 4.40	
Sample GATW9		✗	RIN N/A	
Sample GATW10		✗		
Sample GATW11		✗		
Sample GATW12		✗		
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

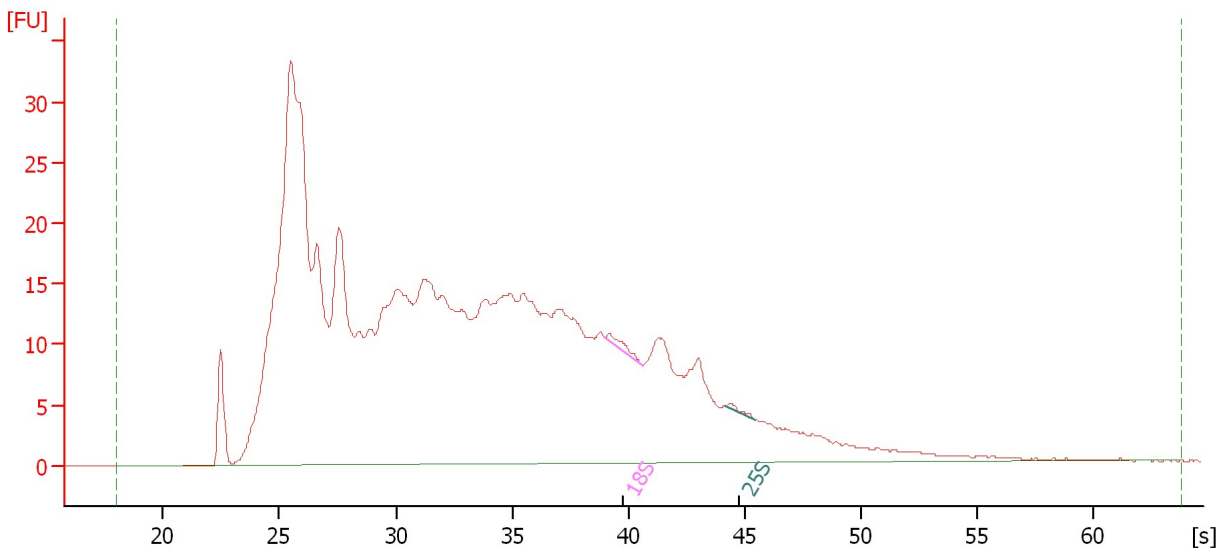
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary

Sample GATW1



Overall Results for sample 1 : Sample GATW1

RNA Area: 849.7 RNA Integrity Number (RIN): 2.1 (B.02.08)
RNA Concentration: 634 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.3 Result Flagging Label: RIN: 2.10

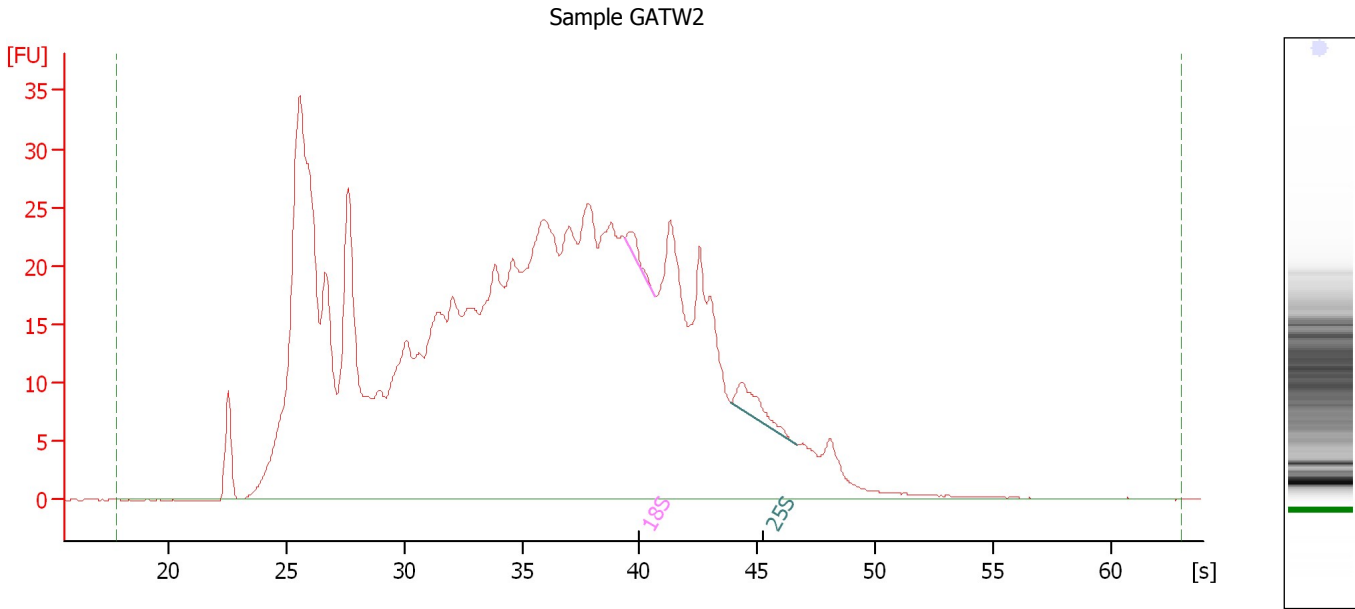
Fragment table for sample 1 : Sample GATW1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,093	1,391	1.7	0.2
25S	2,068	2,416	0.5	0.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample GATW2

RNA Area: 1,098.0 RNA Integrity Number (RIN): 2.2 (B.02.08)
RNA Concentration: 819 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.6 Result Flagging Label: RIN: 2.20

Fragment table for sample 2 : Sample GATW2

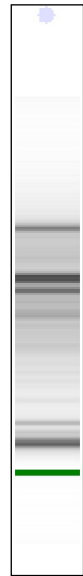
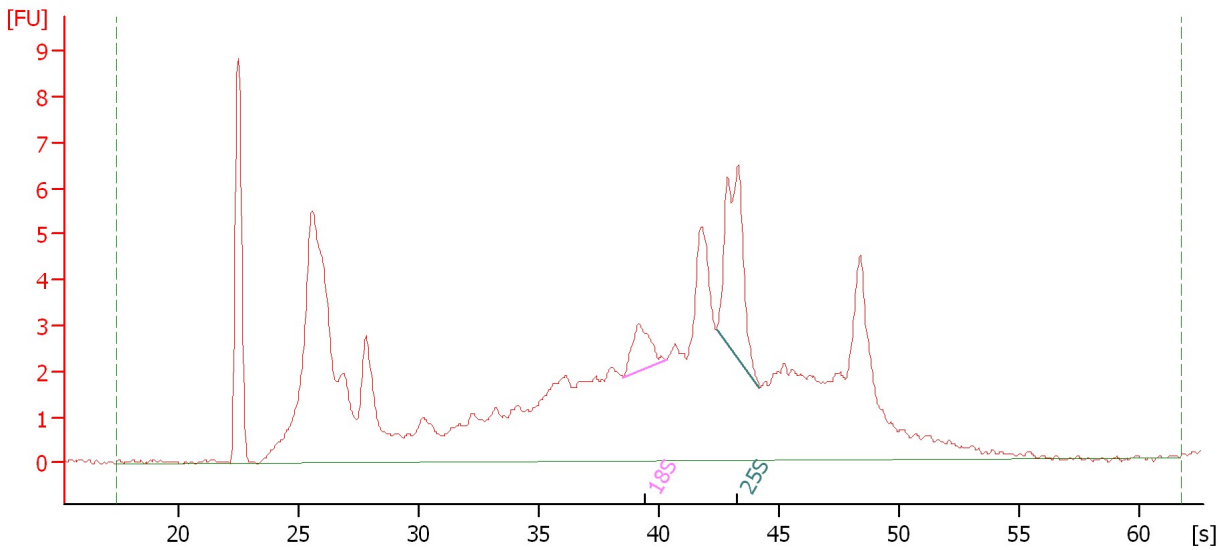
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,157	1,392	2.5	0.2
25S	1,996	2,758	6.5	0.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...

Sample GATW3



Overall Results for sample 3 : Sample GATW3

RNA Area: 141.4 RNA Integrity Number (RIN): 3.8 (B.02.08)
RNA Concentration: 105 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 3.6 Result Flagging Label: RIN: 3.80

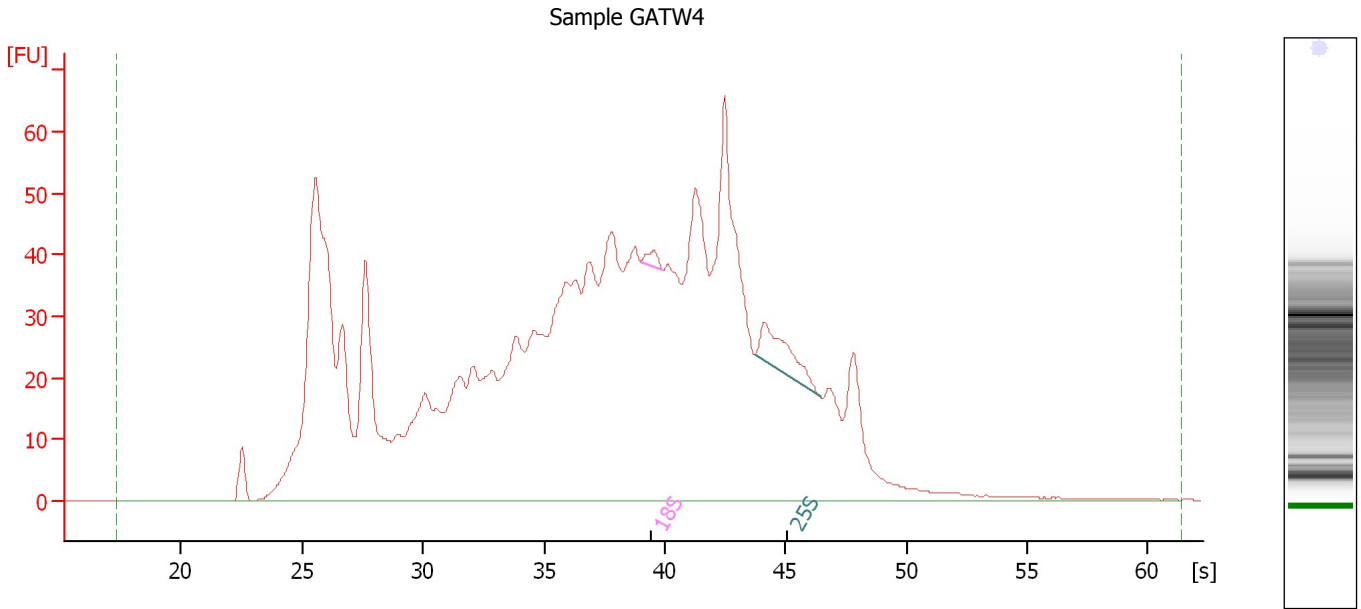
Fragment table for sample 3 : Sample GATW3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,005	1,334	2.3	1.6
25S	1,721	2,076	8.1	5.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample GATW4

RNA Area: 1,843.4 RNA Integrity Number (RIN): 2.2 (B.02.08)
RNA Concentration: 1,375 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 6.1 Result Flagging Label: RIN: 2.20

Fragment table for sample 4 : Sample GATW4

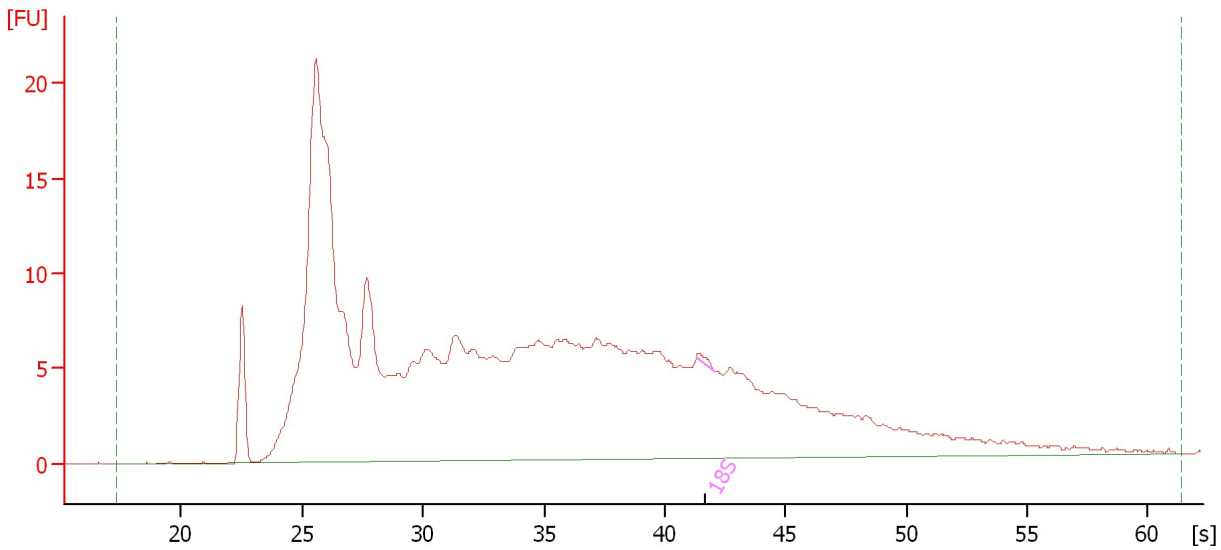
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,094	1,266	3.6	0.2
25S	1,961	2,709	21.8	1.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...

Sample GATW5



Overall Results for sample 5 : Sample GATW5

RNA Area:	425.0	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	317 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:2

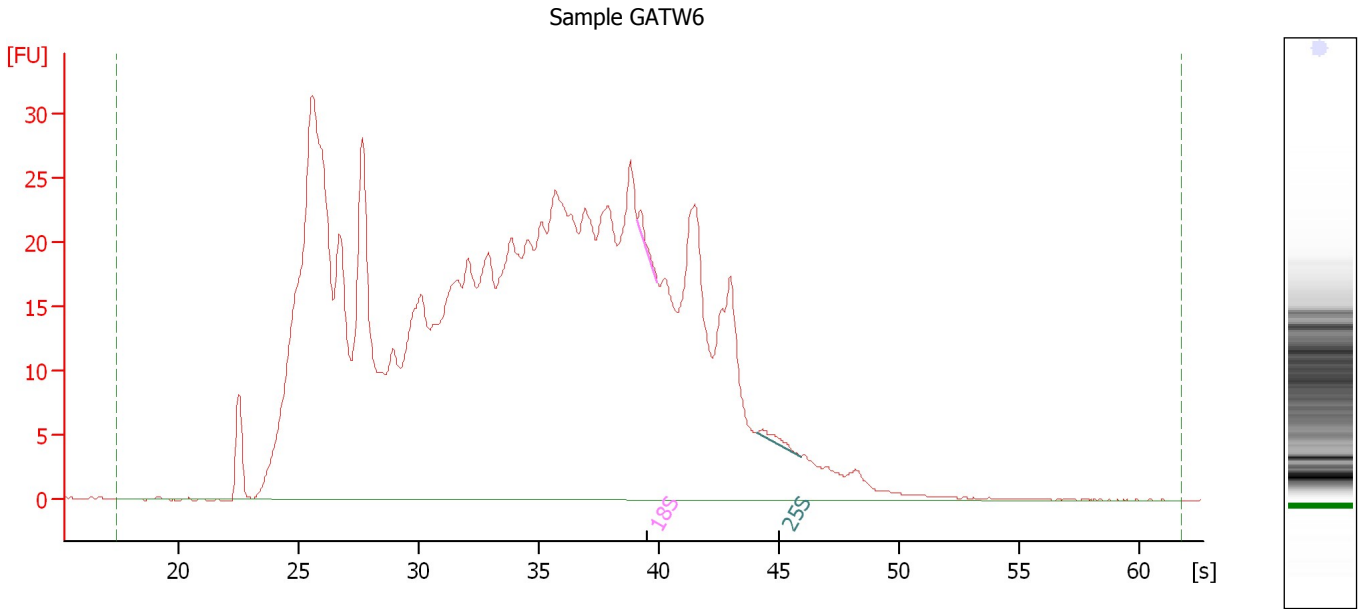
Fragment table for sample 5 : Sample GATW5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,658	0.5	0.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample GATW6

RNA Area: 1,103.1 RNA Integrity Number (RIN): 2.1 (B.02.08)
RNA Concentration: 823 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.3 Result Flagging Label: RIN: 2.10

Fragment table for sample 6 : Sample GATW6

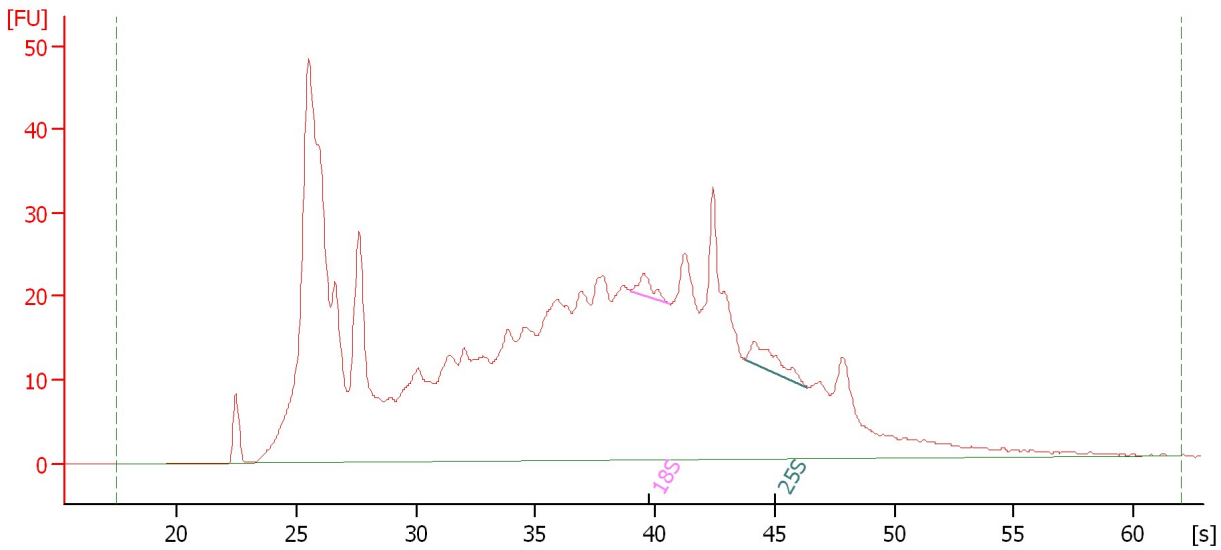
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,112	1,268	1.2	0.1
25S	2,038	2,550	1.6	0.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...

Sample GATW7



Overall Results for sample 7 : Sample GATW7

RNA Area: 1,129.4 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 842 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.9 Result Flagging Label: RIN: 2.30

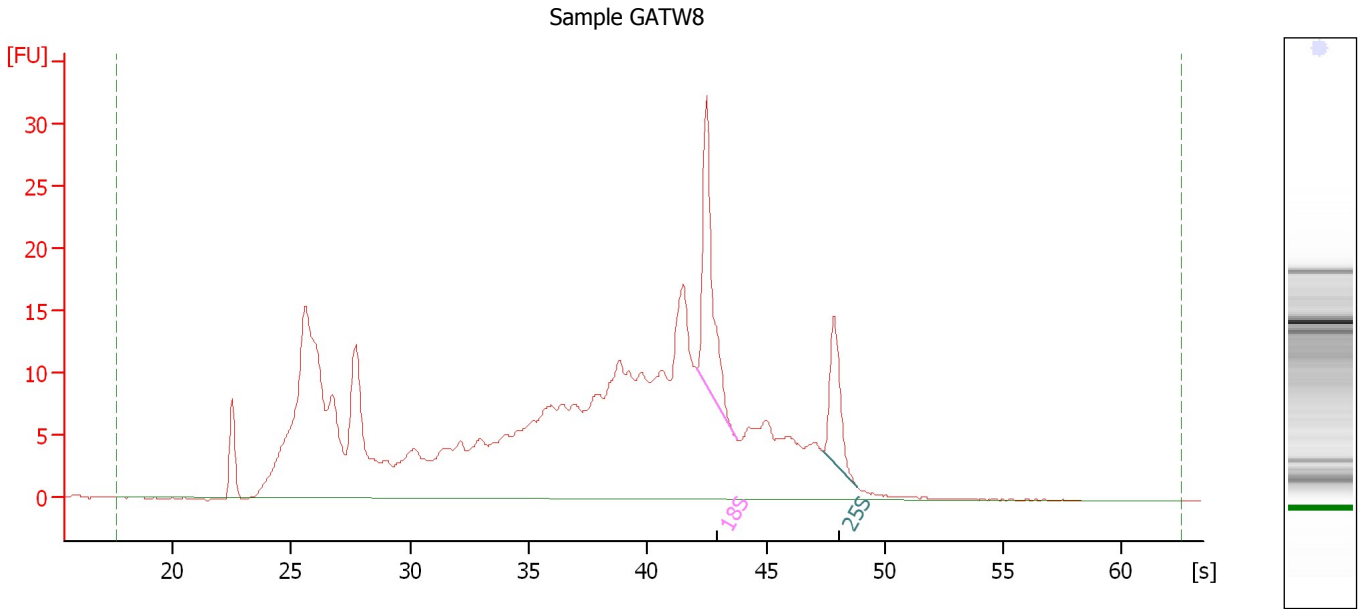
Fragment table for sample 7 : Sample GATW7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,091	1,388	4.4	0.4
25S	1,975	2,688	8.1	0.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample GATW8

RNA Area: 486.4 RNA Integrity Number (RIN): 4.4 (B.02.08)
RNA Concentration: 363 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.5 Result Flagging Label: RIN: 4.40

Fragment table for sample 8 : Sample GATW8

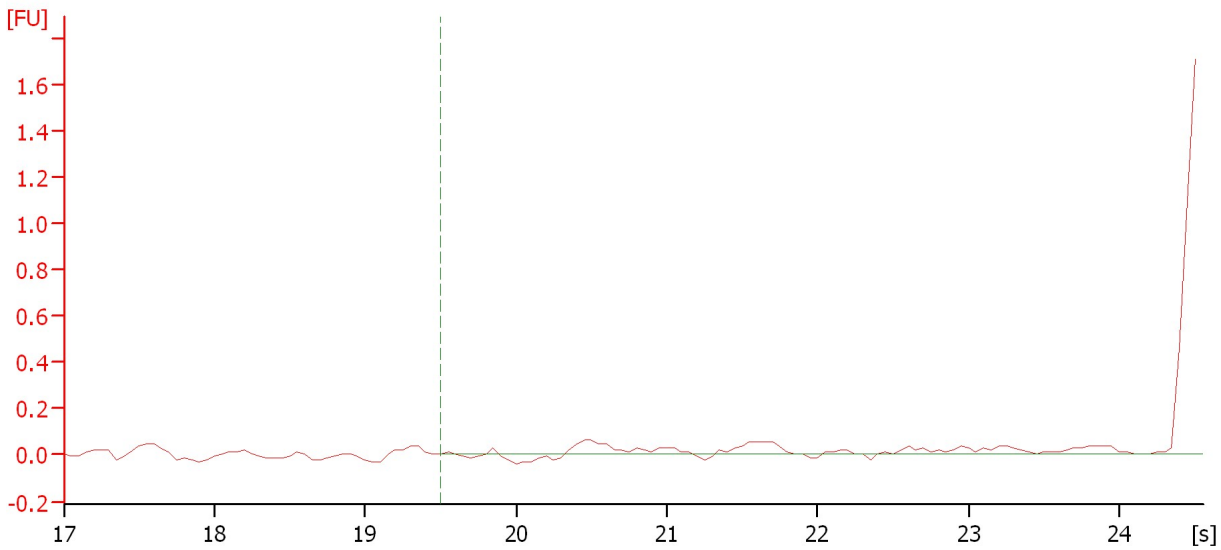
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,965	23.9	4.9
25S	2,969	3,361	12.1	2.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Electropherogram Summary Continued ...

Sample GATW9



Setpoint Deviations for sample 9 : Sample GATW9

End Analysis Time Range [s] : 24.55

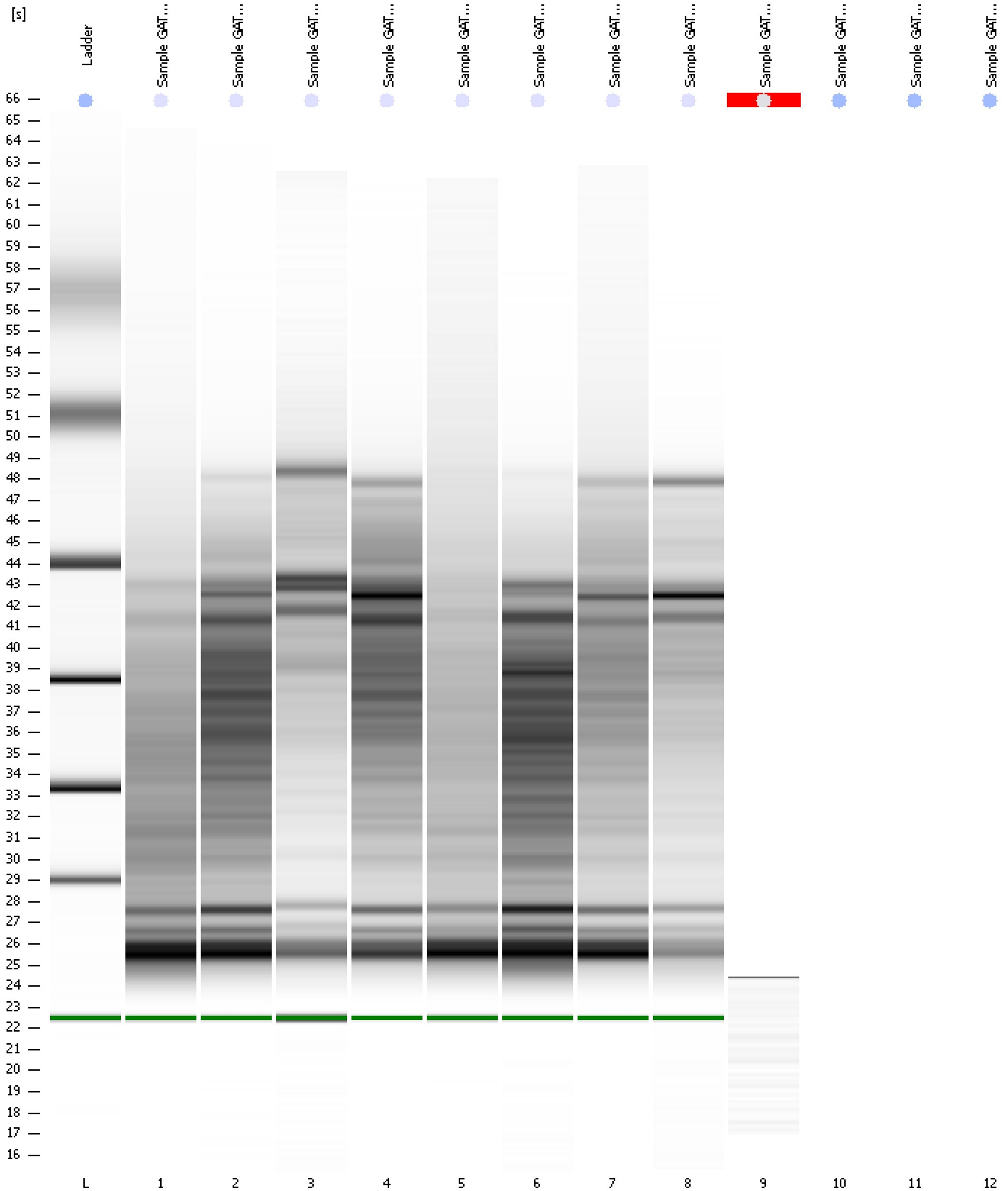
Overall Results for sample 9 : Sample GATW9

RNA Concentration:	0 ng/ μ l	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Gel Image



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-07\2014-07-07_001.xad

Created: 7/7/2014 10:42:32 AM
Modified: 7/7/2014 11:01:37 AM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.