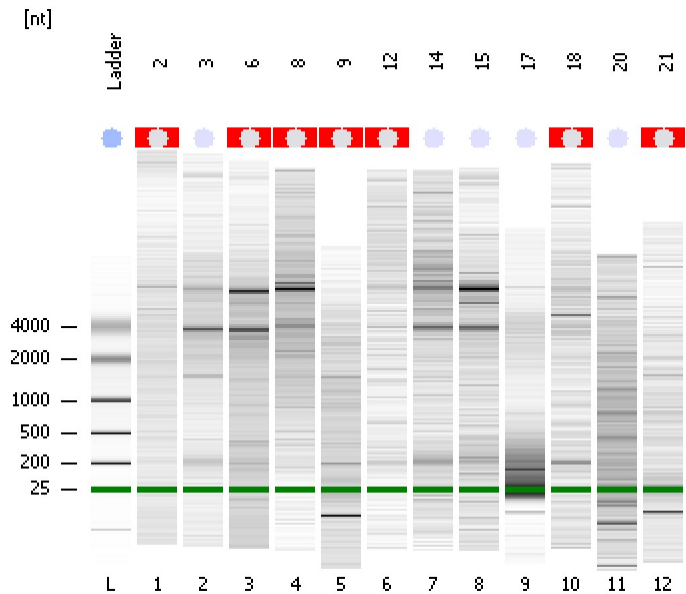


Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 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 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:



Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
 Modified: 5/17/2017 4:13:33 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
2		✓	RIN N/A	
3		✓	RIN: 6.90	
6		✓	RIN N/A	
8		✓	RIN N/A	
9		✓	RIN N/A	
12		✓	RIN N/A	
14		✓	RIN: 7.60	
15		✓	RIN: 7.20	
17		✓	RIN: 2.60	
18		✓	RIN N/A	
20		✓	RIN: 2.80	
21		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

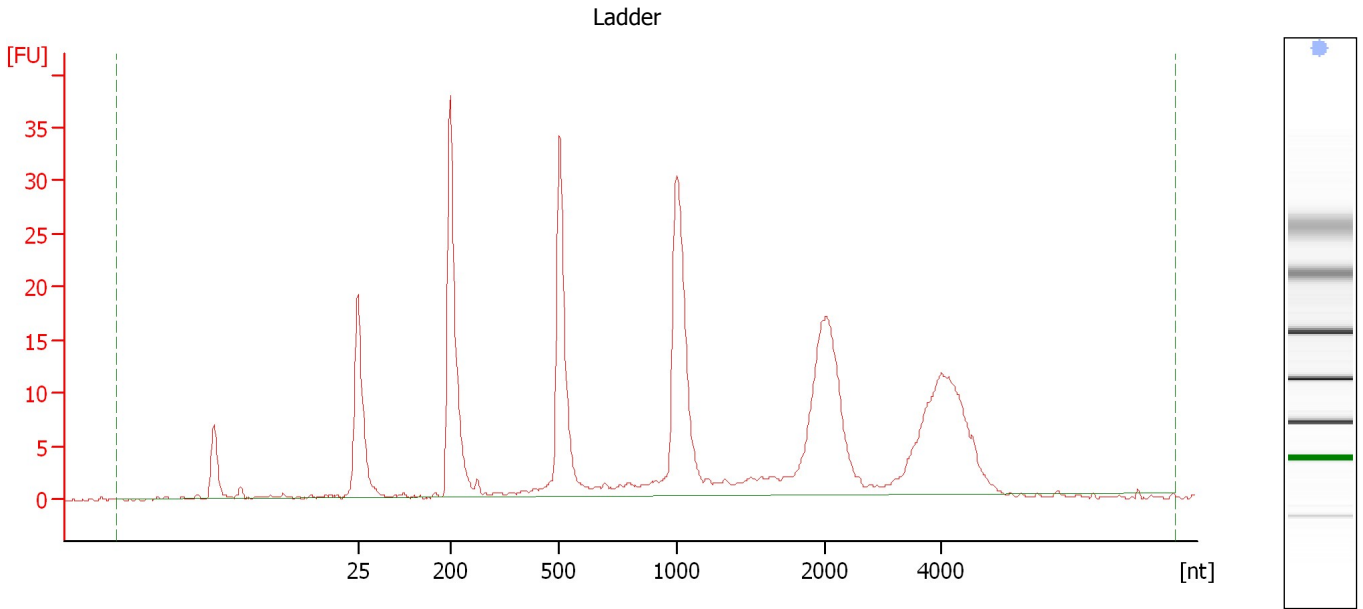
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary**



**Overall Results for Ladder**

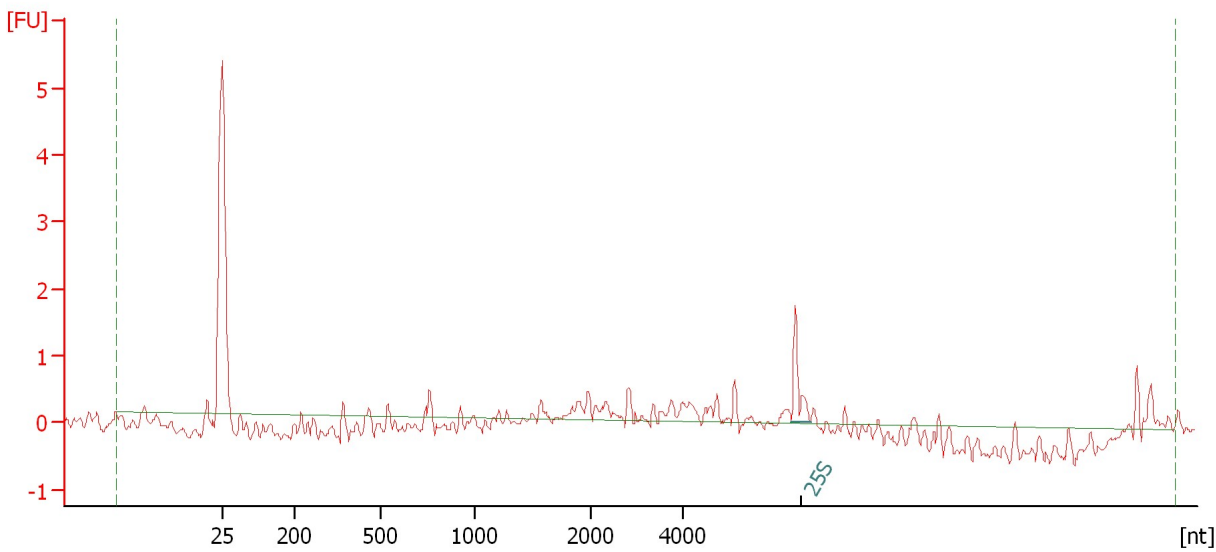
RNA Area:	282.1	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**

2



**Overall Results for sample 1 : 2**

RNA Area:	5.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

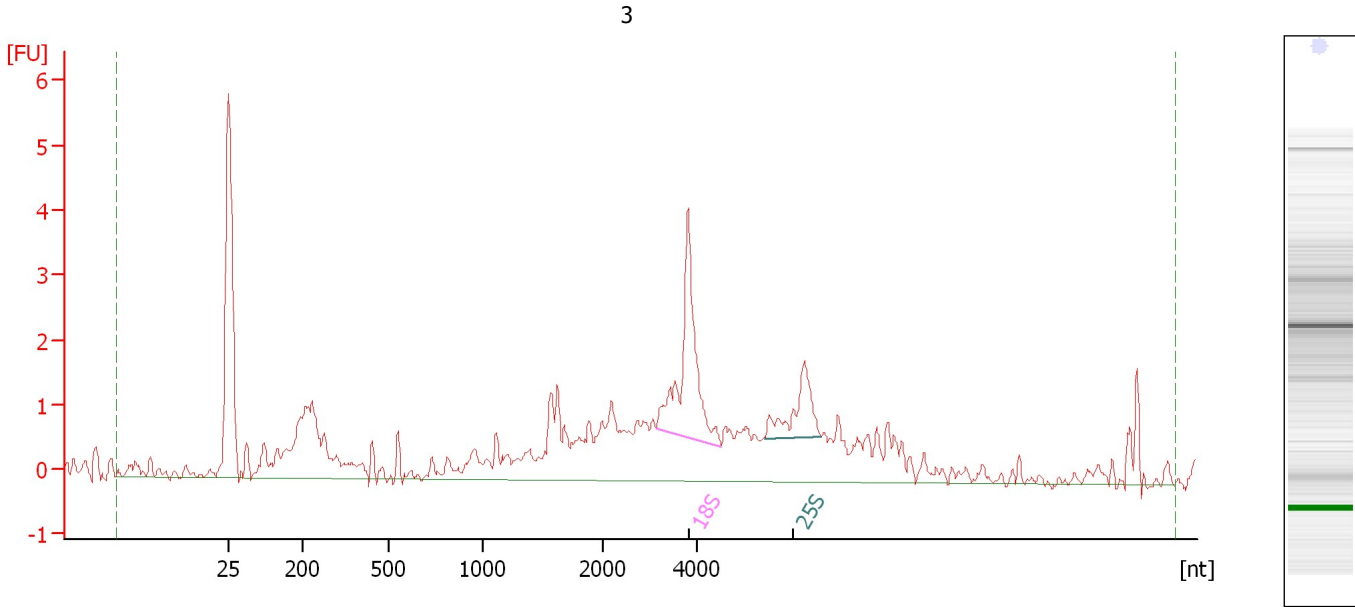
**Fragment table for sample 1 : 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	6,326	6,743	1.0	16.4

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 3**

RNA Area:	53.7	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	29 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 6.90

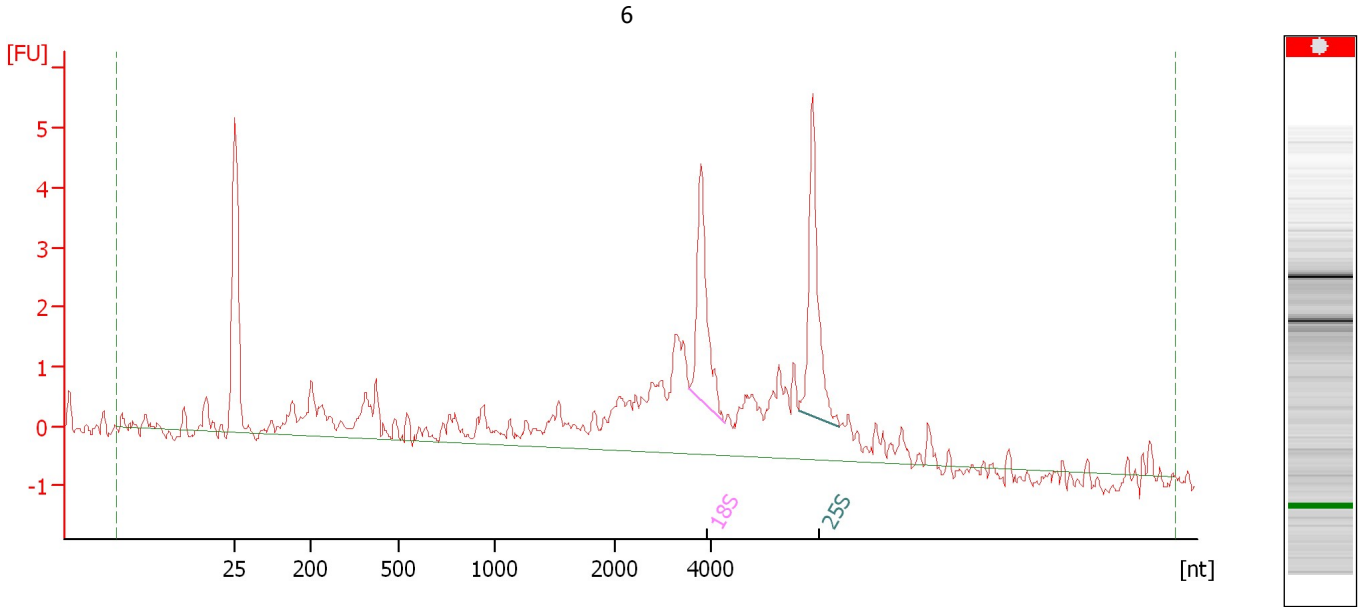
**Fragment table for sample 2 : 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,156	4,552	5.6	10.4
25S	5,490	6,657	2.1	3.9

Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
 Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 6**

RNA Area:	50.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	27 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	1.1	Result Flagging Label:	RIN N/A

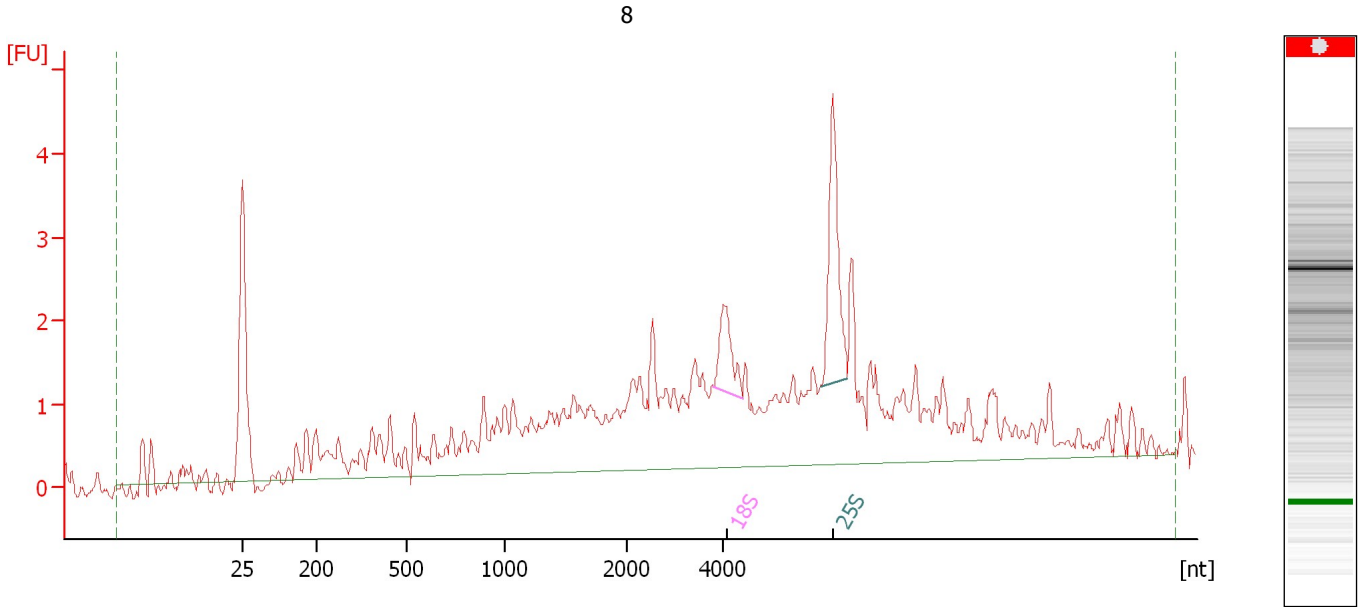
**Fragment table for sample 3 : 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,569	4,314	4.5	9.0
25S	5,870	6,728	5.0	10.0

Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
 Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 8**

RNA Area:	57.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	31 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	2.2	Result Flagging Label:	RIN N/A

**Fragment table for sample 4 : 8**

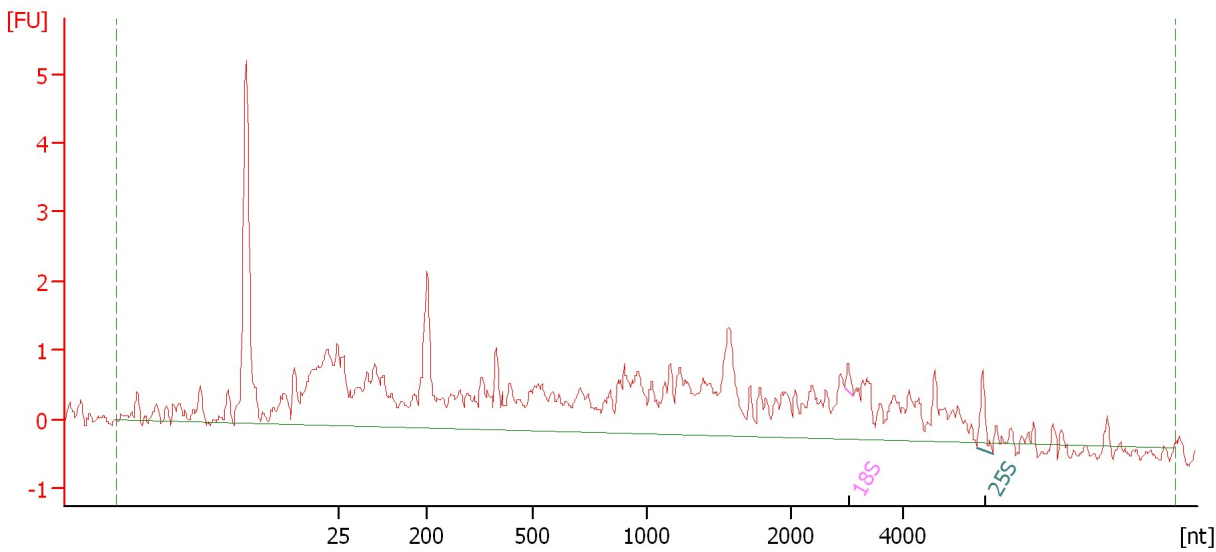
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,813	4,414	1.4	2.5
25S	6,064	6,622	3.1	5.4

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**

9



**Overall Results for sample 5 : 9**

RNA Area: 52.1                      RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 28 ng/μl              Result Flagging Color:   
rRNA Ratio [25s / 18s]: 3.5              Result Flagging Label: RIN N/A

**Fragment table for sample 5 : 9**

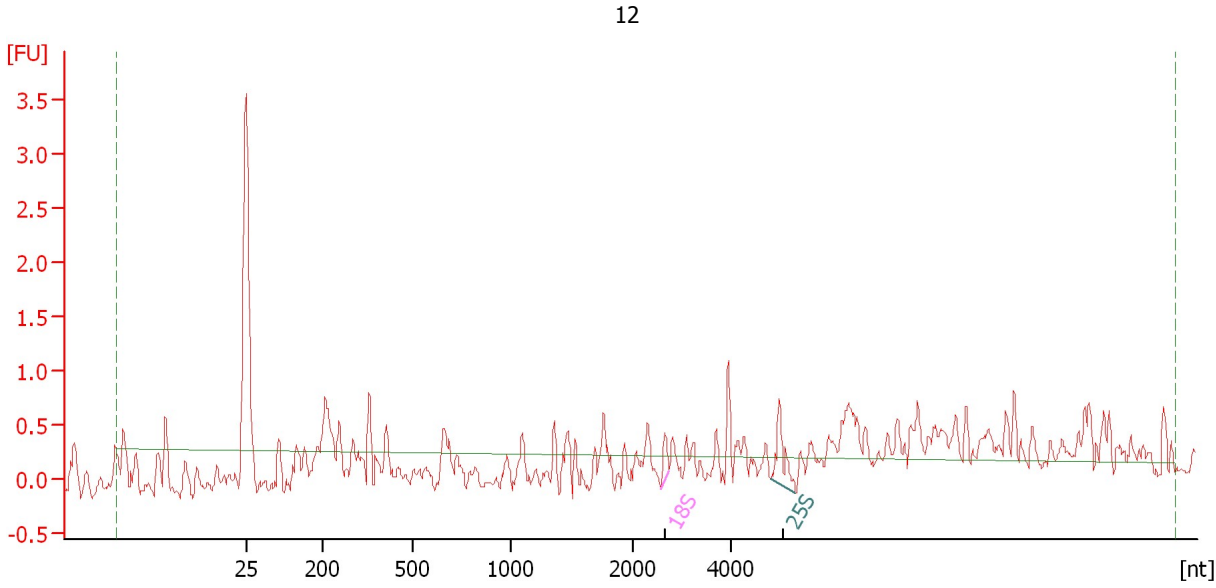
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,955	3,107	0.2	0.3
25S	5,284	5,568	0.6	1.1



Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 12**

RNA Area:	8.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	2.6	Result Flagging Label:	RIN N/A

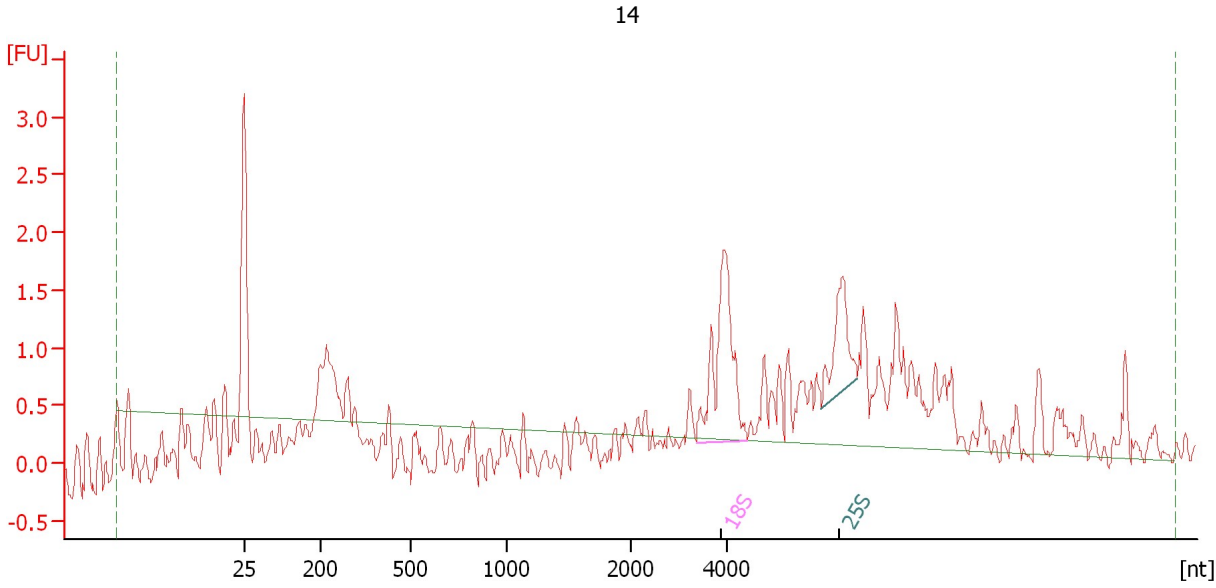
**Fragment table for sample 6 : 12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,563	2,740	0.2	2.7
25S	4,842	5,350	0.6	7.2

Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
 Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 14**

RNA Area:	18.9	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 7.60

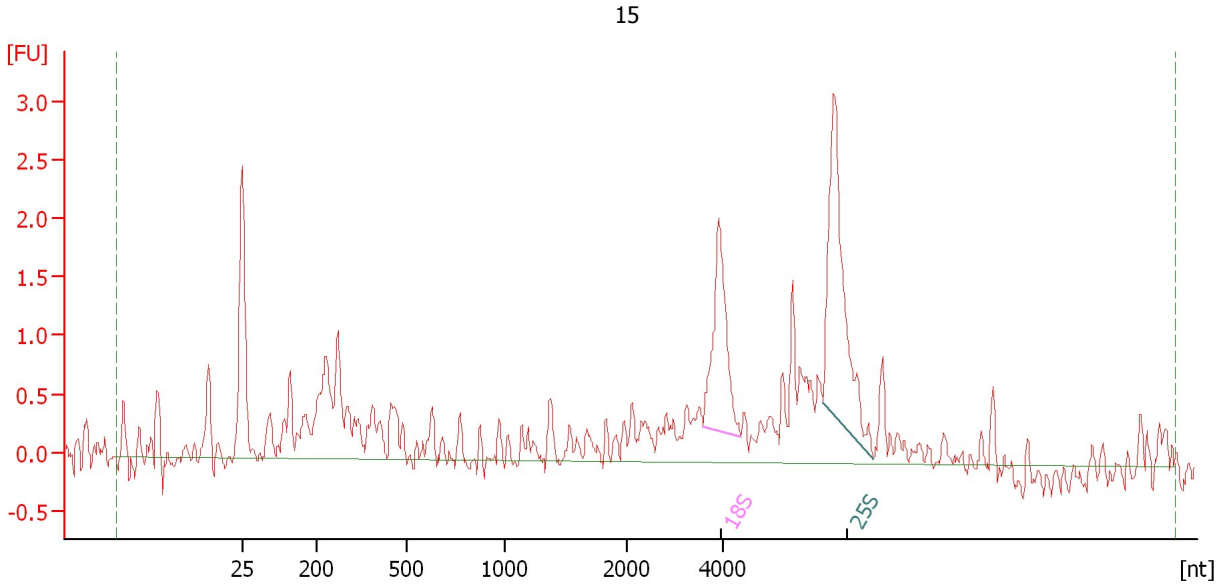
**Fragment table for sample 7 : 14**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,374	4,440	3.3	17.2
25S	5,972	6,727	1.4	7.6

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 15**

RNA Area:	31.0	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 7.20

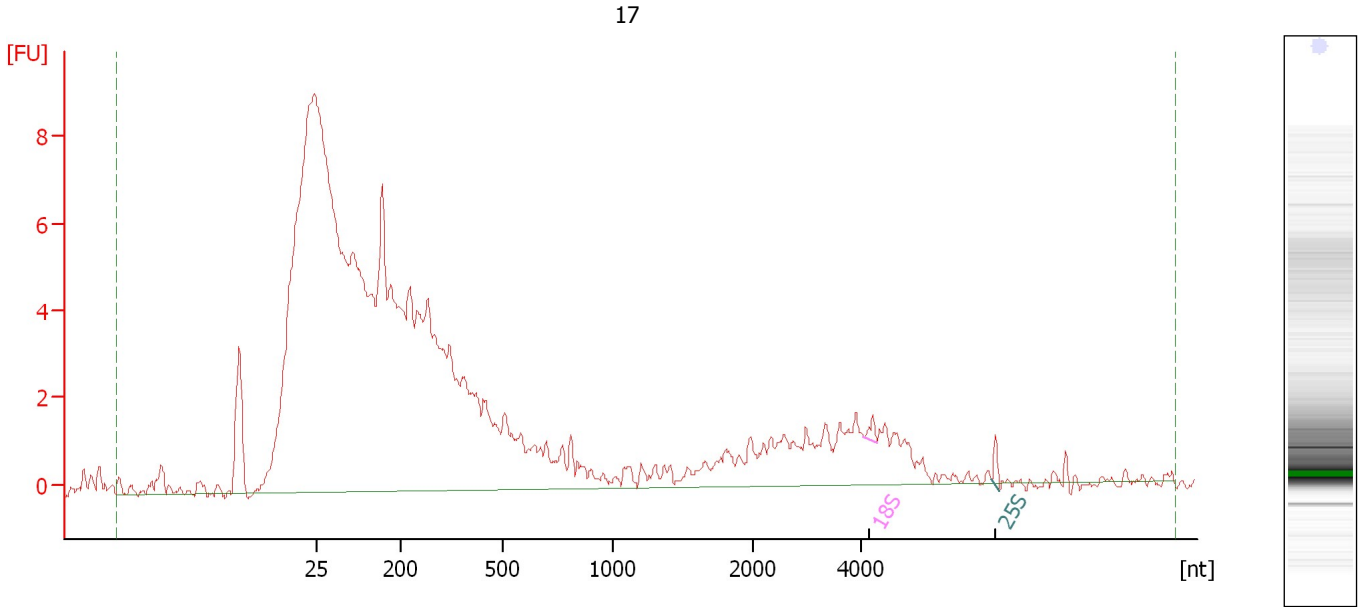
**Fragment table for sample 8 : 15**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,612	4,392	2.6	8.4
25S	6,109	7,157	4.2	13.4

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 17**

RNA Area:	122.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	65 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 2.60

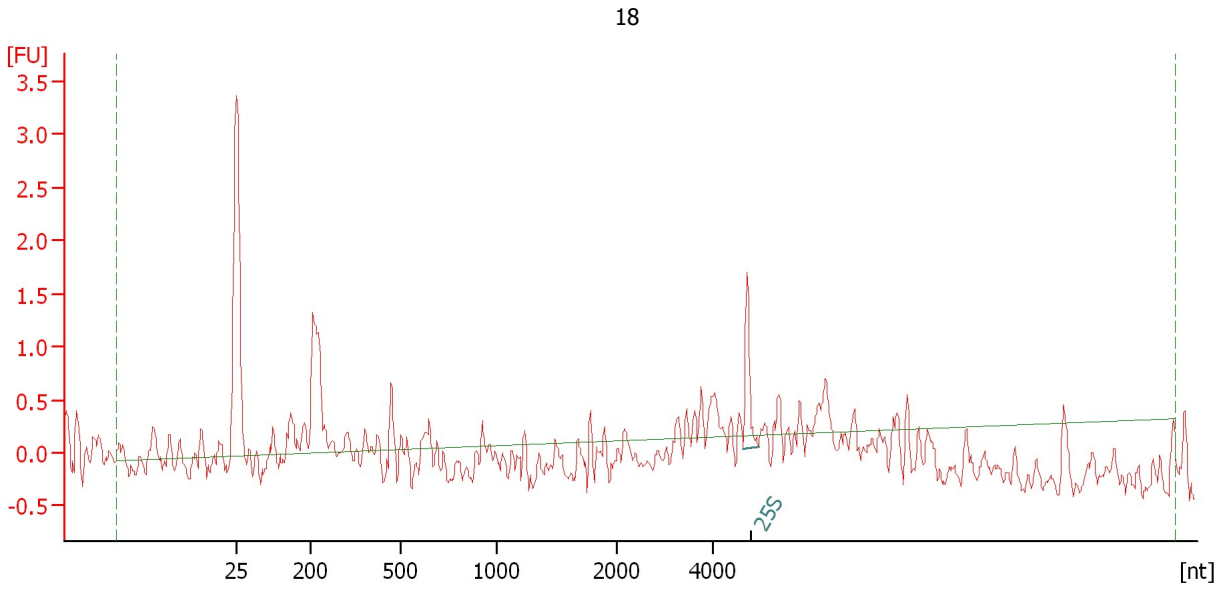
**Fragment table for sample 9 : 17**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	4,048	4,303	0.3	0.2
25S	6,383	6,540	0.4	0.3

Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
 Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 18**

RNA Area:	8.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

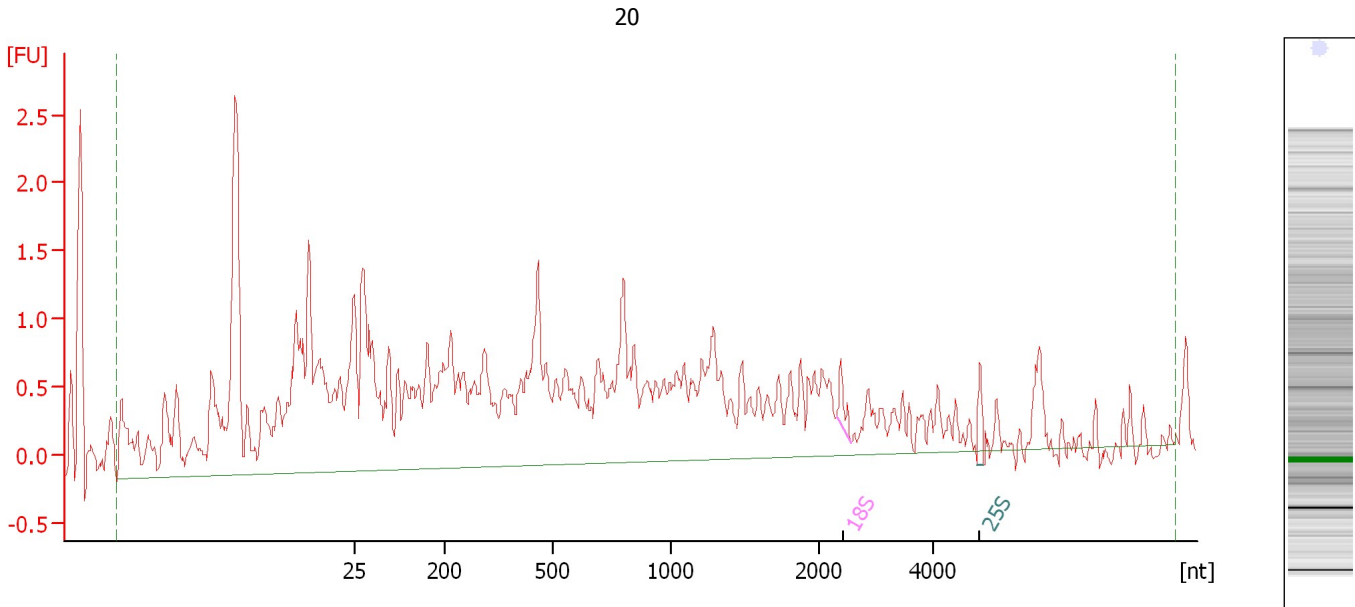
**Fragment table for sample 10 : 18**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	4,653	4,969	0.8	10.1

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 20**

RNA Area: 59.1                      RNA Integrity Number (RIN): 2.8 (B.02.08)  
RNA Concentration: 31 ng/μl              Result Flagging Color:   
rRNA Ratio [25s / 18s]: 1.1              Result Flagging Label: RIN: 2.80

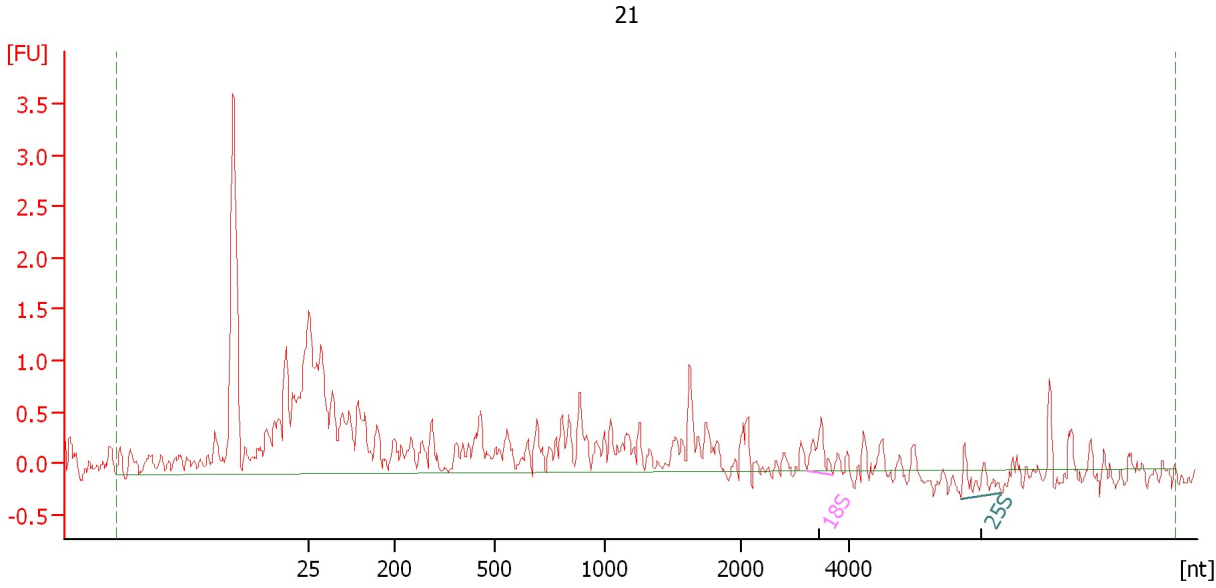
**Fragment table for sample 11 : 20**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,310	2,569	0.3	0.4
25S	4,730	4,859	0.3	0.5

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 21**

RNA Area:	30.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	1.1	Result Flagging Label:	RIN N/A

**Fragment table for sample 12 : 21**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,222	3,717	0.5	1.7
25S	6,077	6,831	0.5	1.8

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-17\2017-05-17\_002.xad

Created: 5/17/2017 3:49:42 PM  
Modified: 5/17/2017 4:13:33 PM

**Gel Image**

