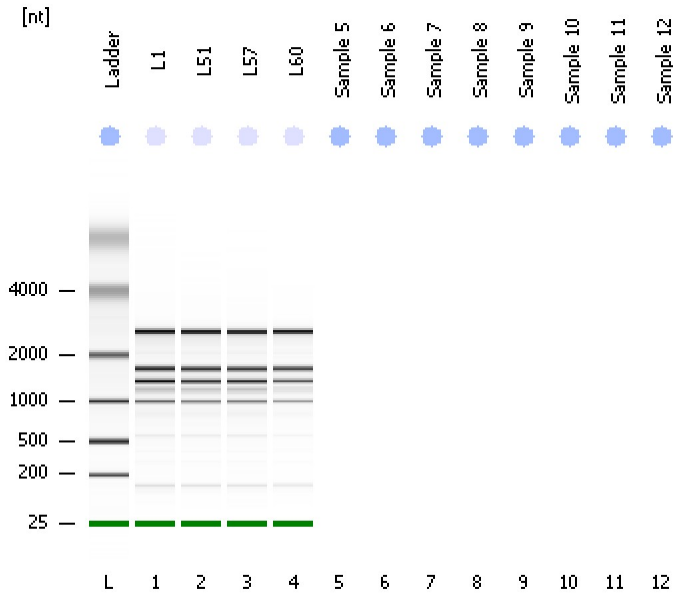


Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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)

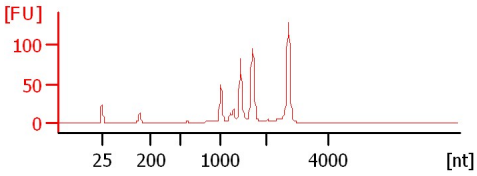
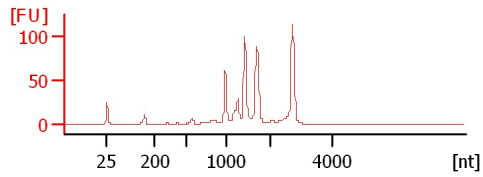
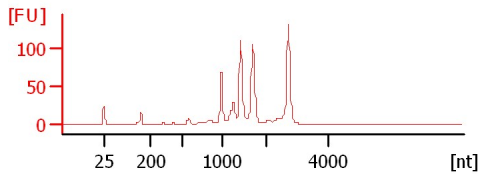
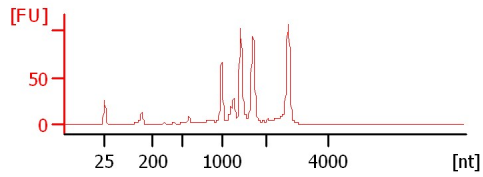
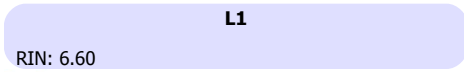
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
 Modified: 6/14/2018 10:37:30 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
L1		✓	RIN: 6.60	
L51		✓	RIN: 6.80	
L57		✓	RIN: 6.80	
L60		✓	RIN: 7.30	
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

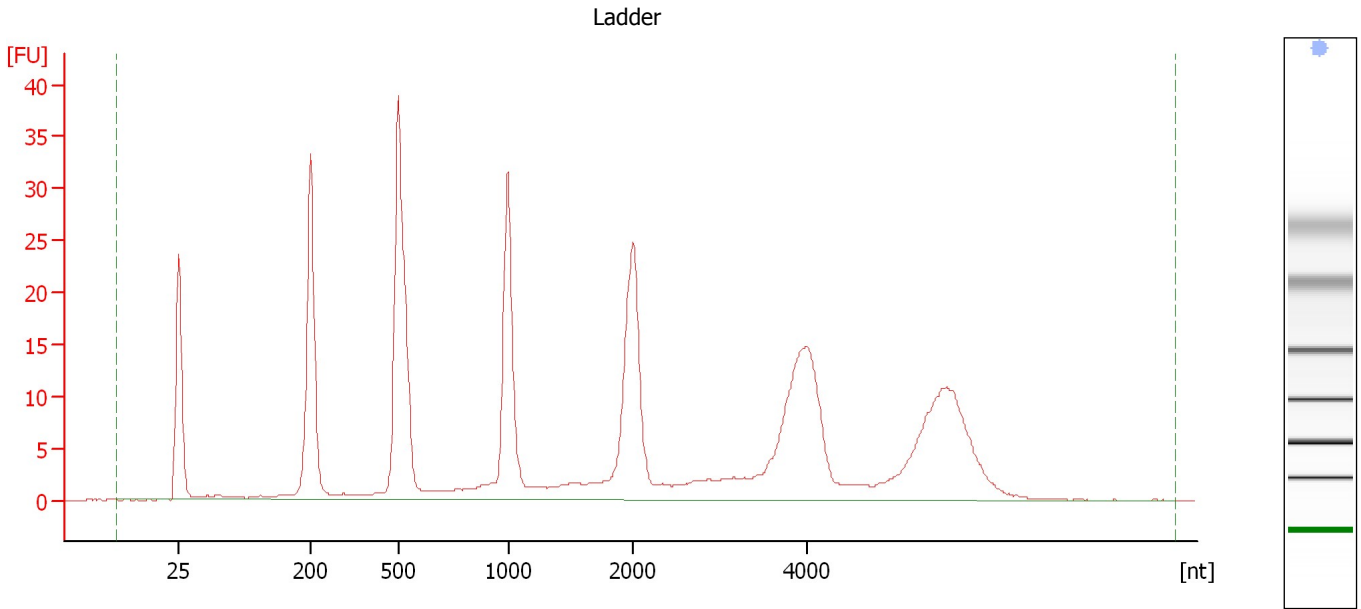
### Ladder

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\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Electropherogram Summary**



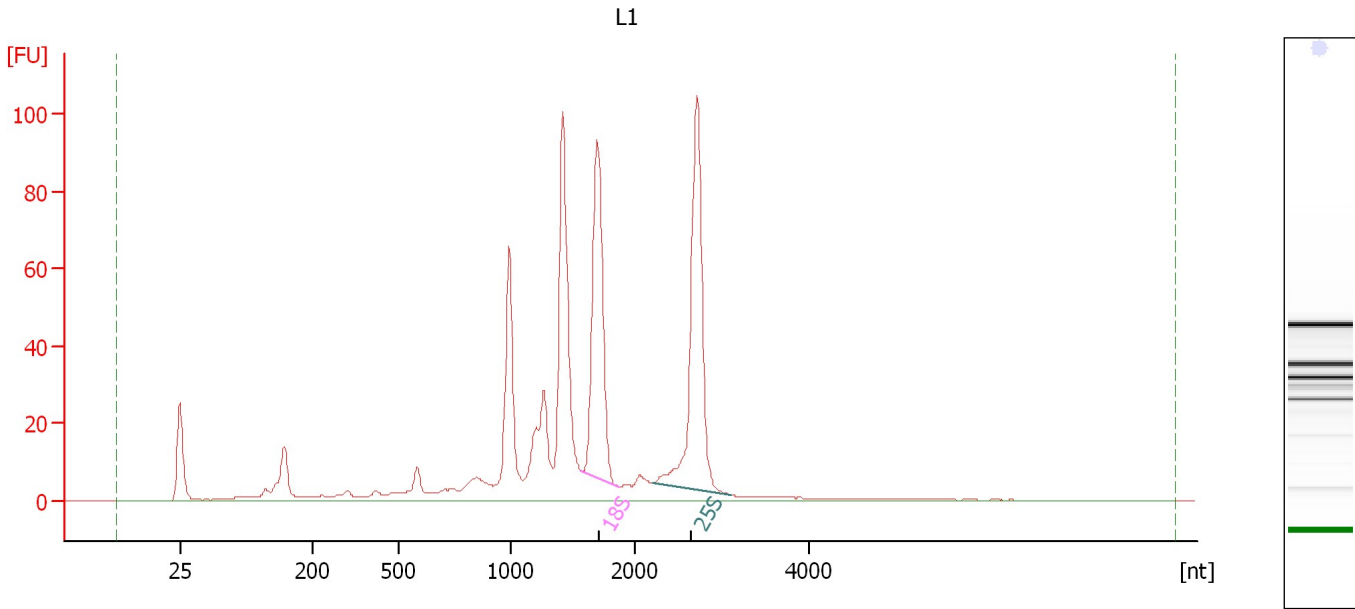
**Overall Results for Ladder**

RNA Area:	376.7	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : L1**

RNA Area: 678.3                      RNA Integrity Number (RIN): 6.6 (B.02.08)  
RNA Concentration: 270 ng/μl              Result Flagging Color:   
rRNA Ratio [25s / 18s]: 1.2              Result Flagging Label: RIN: 6.60

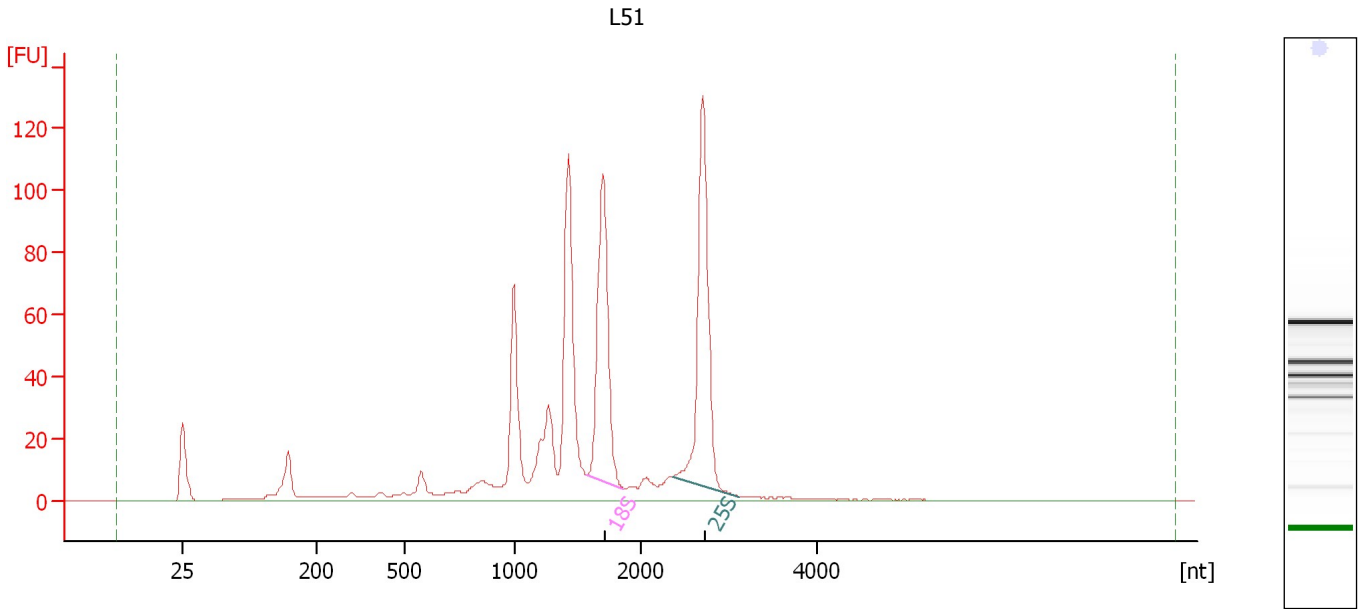
**Fragment table for sample 1 : L1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,863	114.6	16.9
25S	2,197	3,096	137.2	20.2

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : L51**

RNA Area:	753.6	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	300 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]:	1.2	Result Flagging Label:	RIN: 6.80

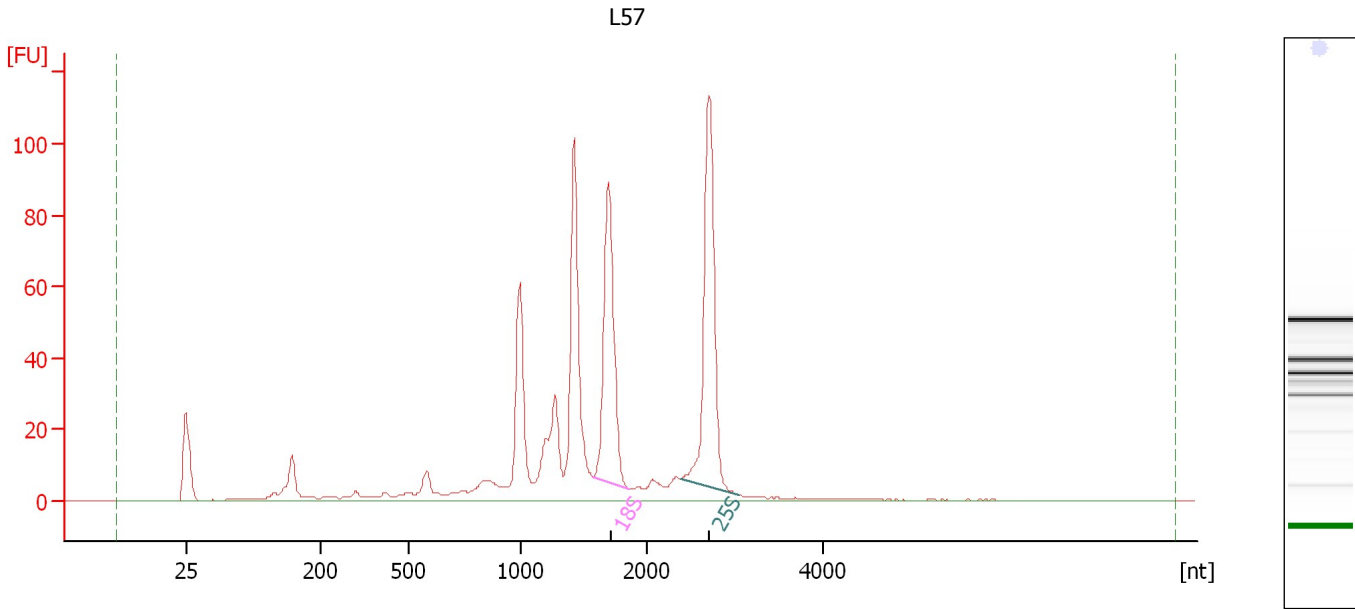
**Fragment table for sample 2 : L51**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,857	130.7	17.3
25S	2,357	3,116	150.6	20.0

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : L57**

RNA Area: 648.1                      RNA Integrity Number (RIN): 6.8 (B.02.08)  
RNA Concentration: 258 ng/μl                      Result Flagging Color:   
rRNA Ratio [25s / 18s]: 1.2                      Result Flagging Label: RIN: 6.80

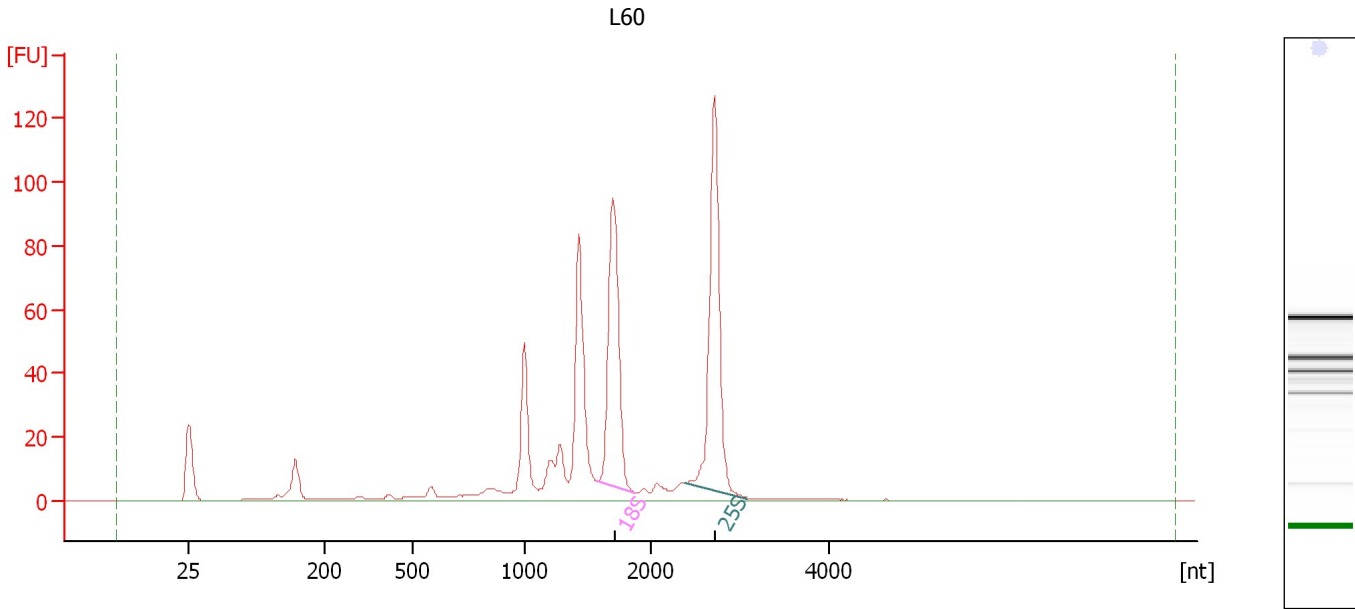
**Fragment table for sample 3 : L57**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,859	108.8	16.8
25S	2,381	3,037	127.3	19.6

Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : L60**

RNA Area:	582.2	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	232 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]:	1.2	Result Flagging Label:	RIN: 7.30

**Fragment table for sample 4 : L60**

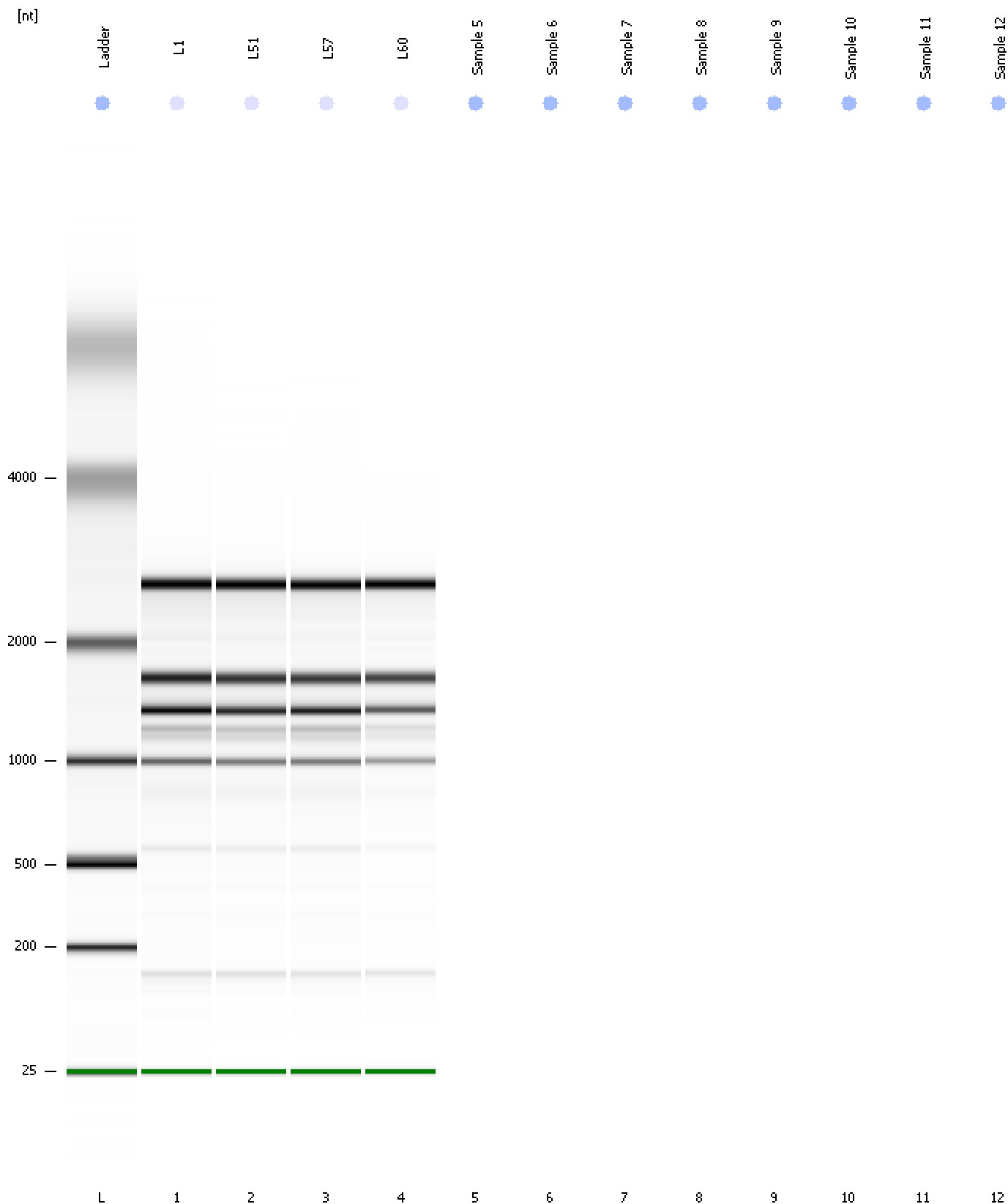
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,869	116.5	20.0
25S	2,380	3,082	140.8	24.2



Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Gel Image**



Assay Class: Plant RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-14\2018-06-14\_001.xad

Created: 6/14/2018 10:24:44 AM  
Modified: 6/14/2018 10:37:30 AM

**Invalid Samples**

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

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.