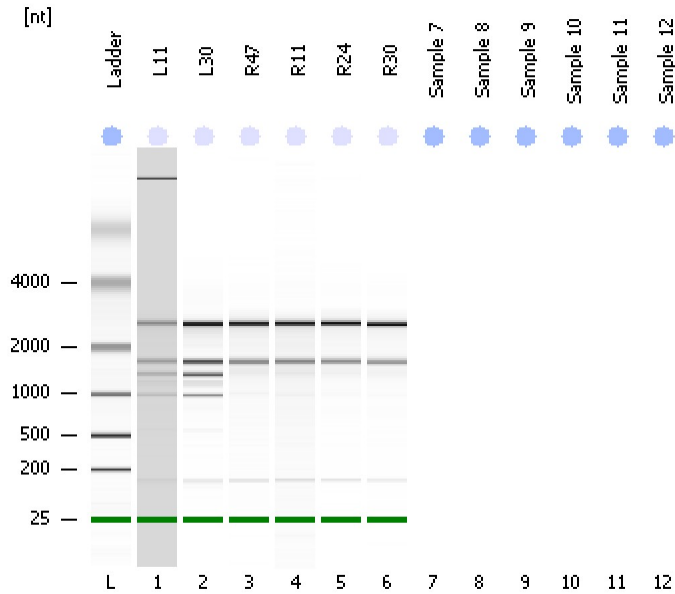


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

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)

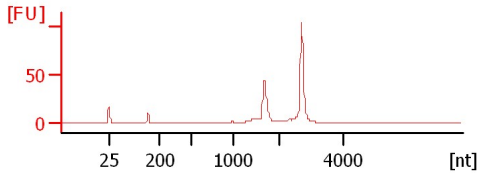
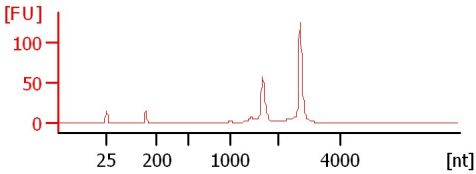
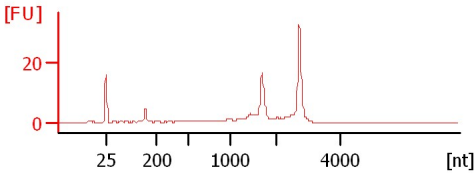
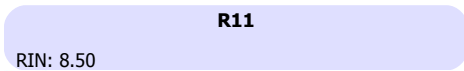
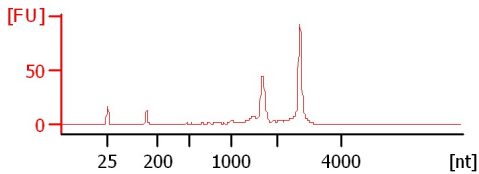
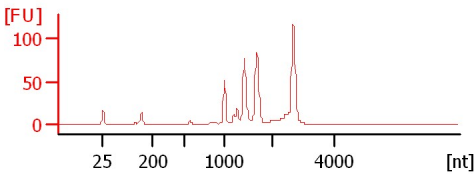
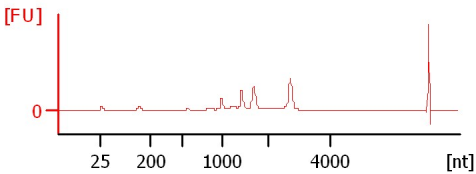
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
L11		✓	RIN: 7.40	
L30		✓	RIN: 7.40	
R47		✓	RIN: 8.50	
R11		✓	RIN: 8.50	
R24		✓	RIN: 8.80	
R30		✓	RIN: 8.80	
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\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

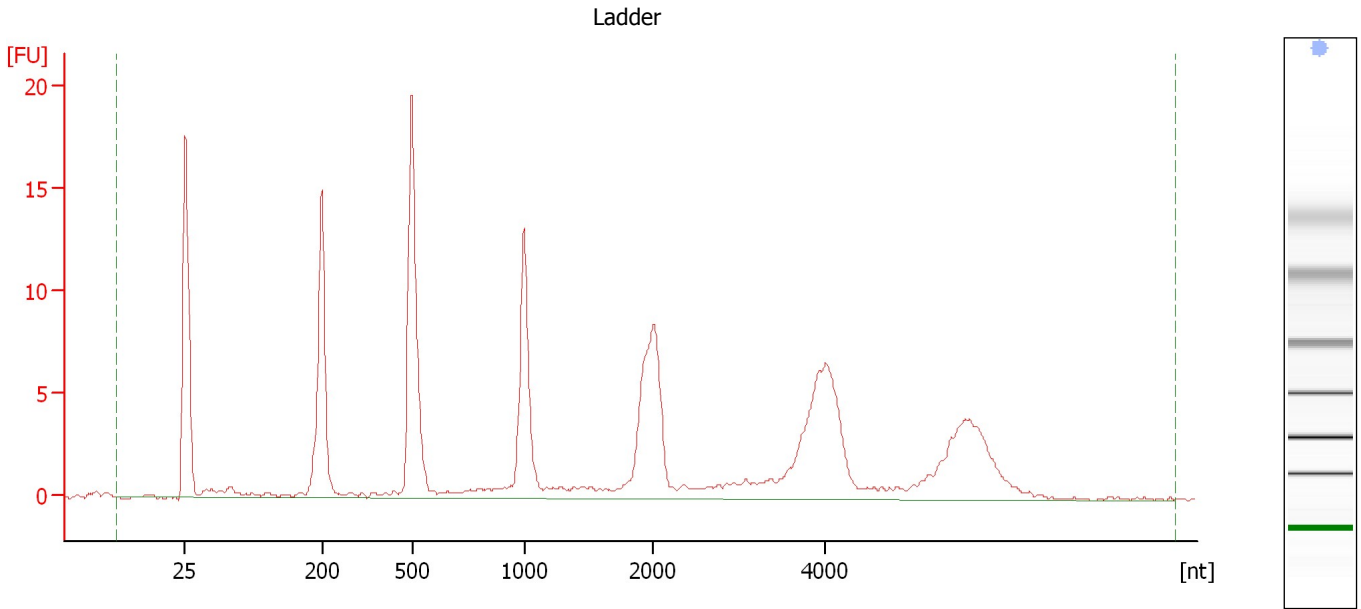
Ladder

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\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary



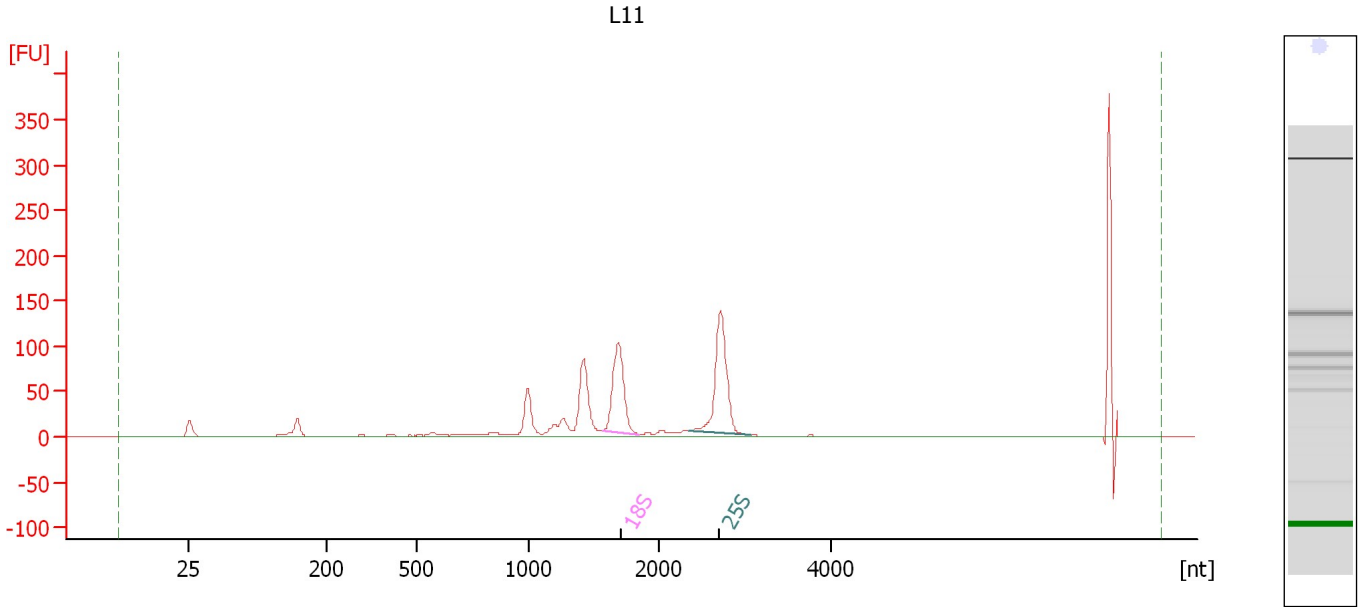
Overall Results for Ladder

RNA Area:	147.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : L11

RNA Area:	766.9	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	781 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 7.40

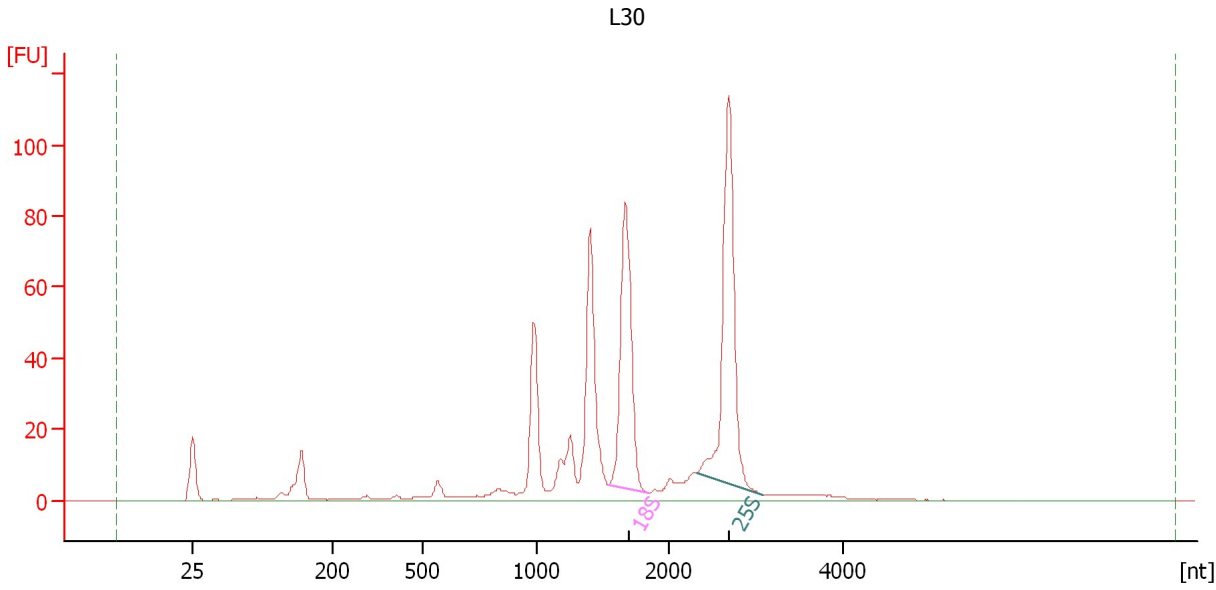
Fragment table for sample 1 : L11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,852	137.0	17.9
25S	2,359	3,076	175.4	22.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : L30

RNA Area: 573.1 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 584 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.3 Result Flagging Label: RIN: 7.40

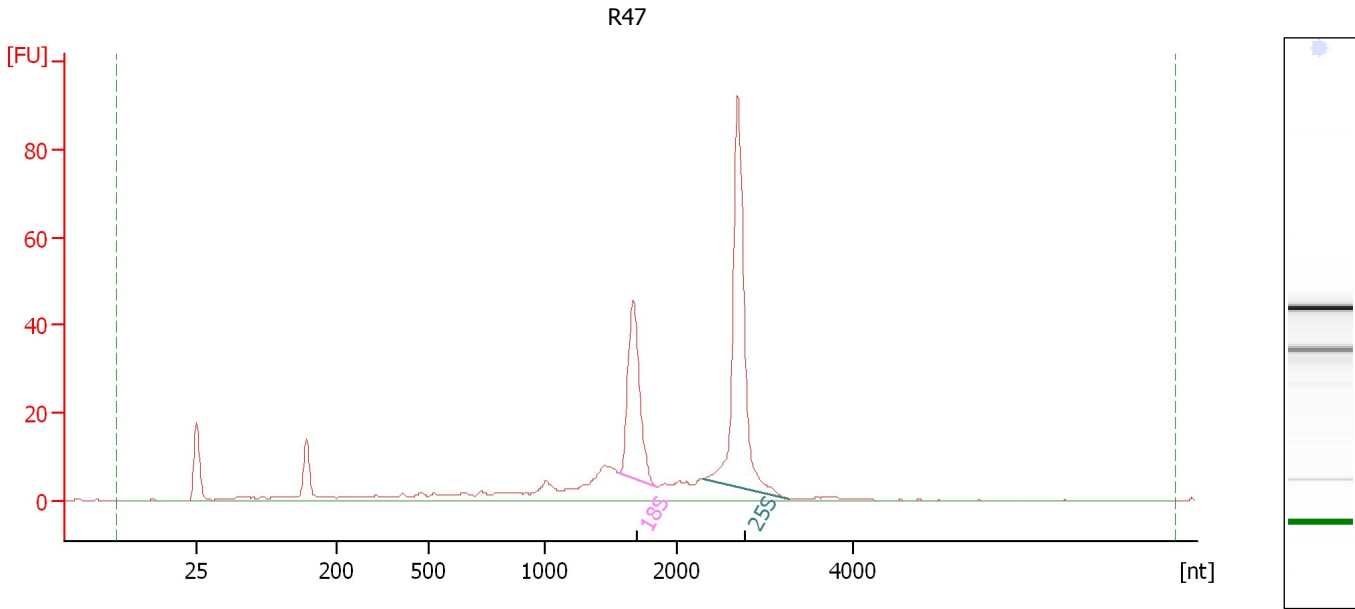
Fragment table for sample 2 : L30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,847	107.1	18.7
25S	2,321	3,079	137.8	24.0

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
 Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R47

RNA Area:	338.6	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	345 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.9	Result Flagging Label:	RIN: 8.50

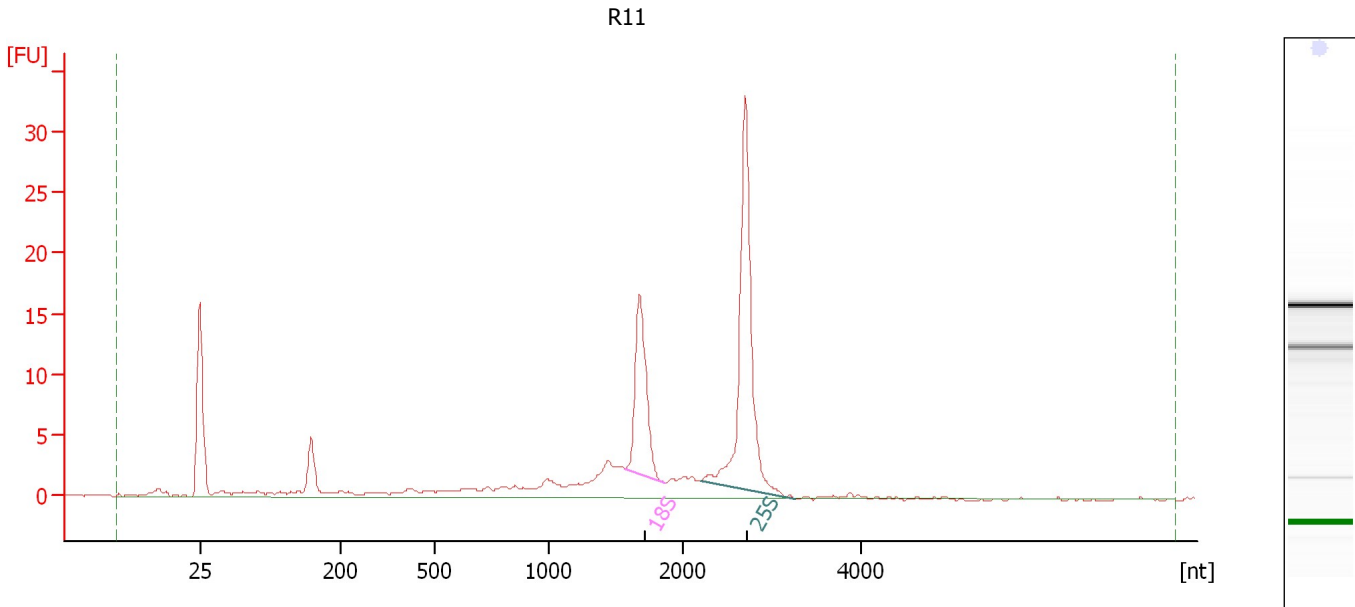
Fragment table for sample 3 : R47

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,849	59.2	17.5
25S	2,307	3,266	111.5	32.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R11

RNA Area: 128.5 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 131 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.1 Result Flagging Label: RIN: 8.50

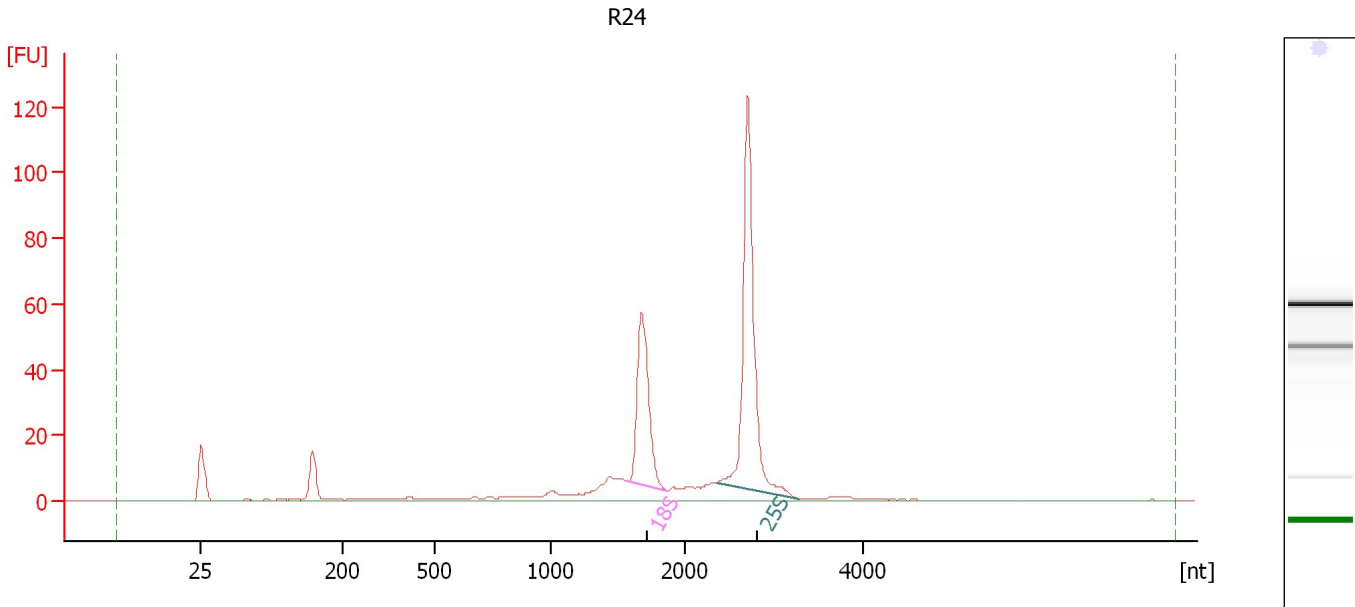
Fragment table for sample 4 : R11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,859	20.2	15.7
25S	2,198	3,259	41.5	32.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R24

RNA Area:	371.0	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	378 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.9	Result Flagging Label:	RIN: 8.80

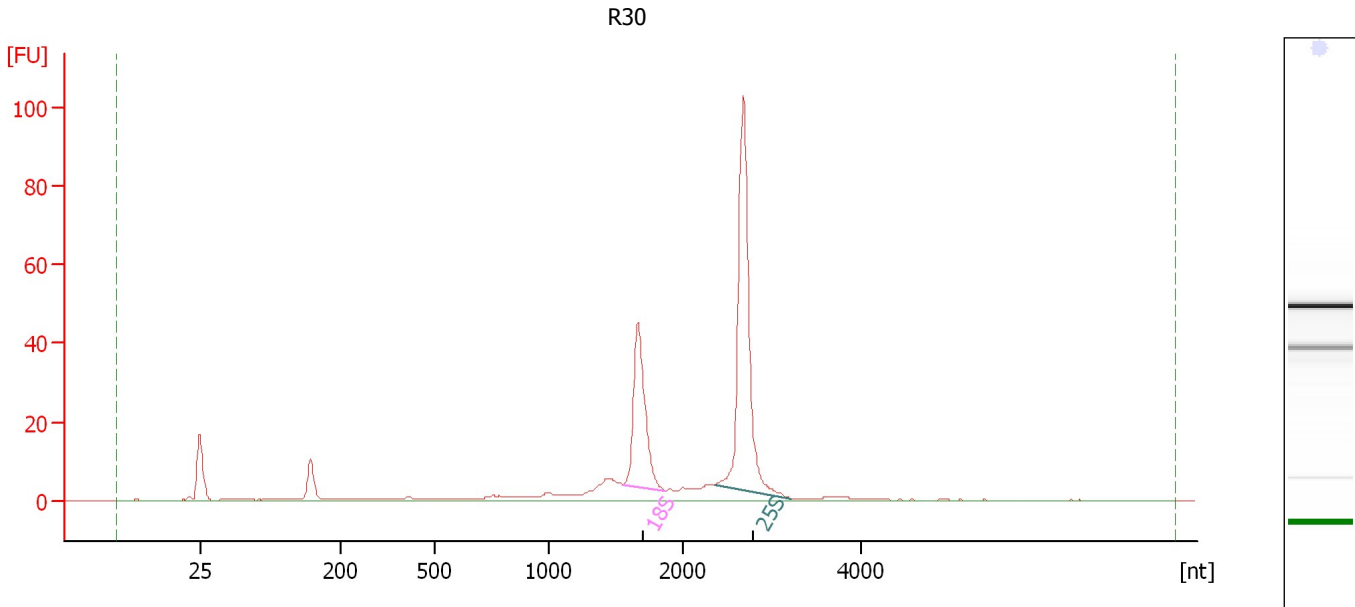
Fragment table for sample 5 : R24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,868	73.9	19.9
25S	2,355	3,281	140.7	37.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R30

RNA Area: 297.5 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 303 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.0 Result Flagging Label: RIN: 8.80

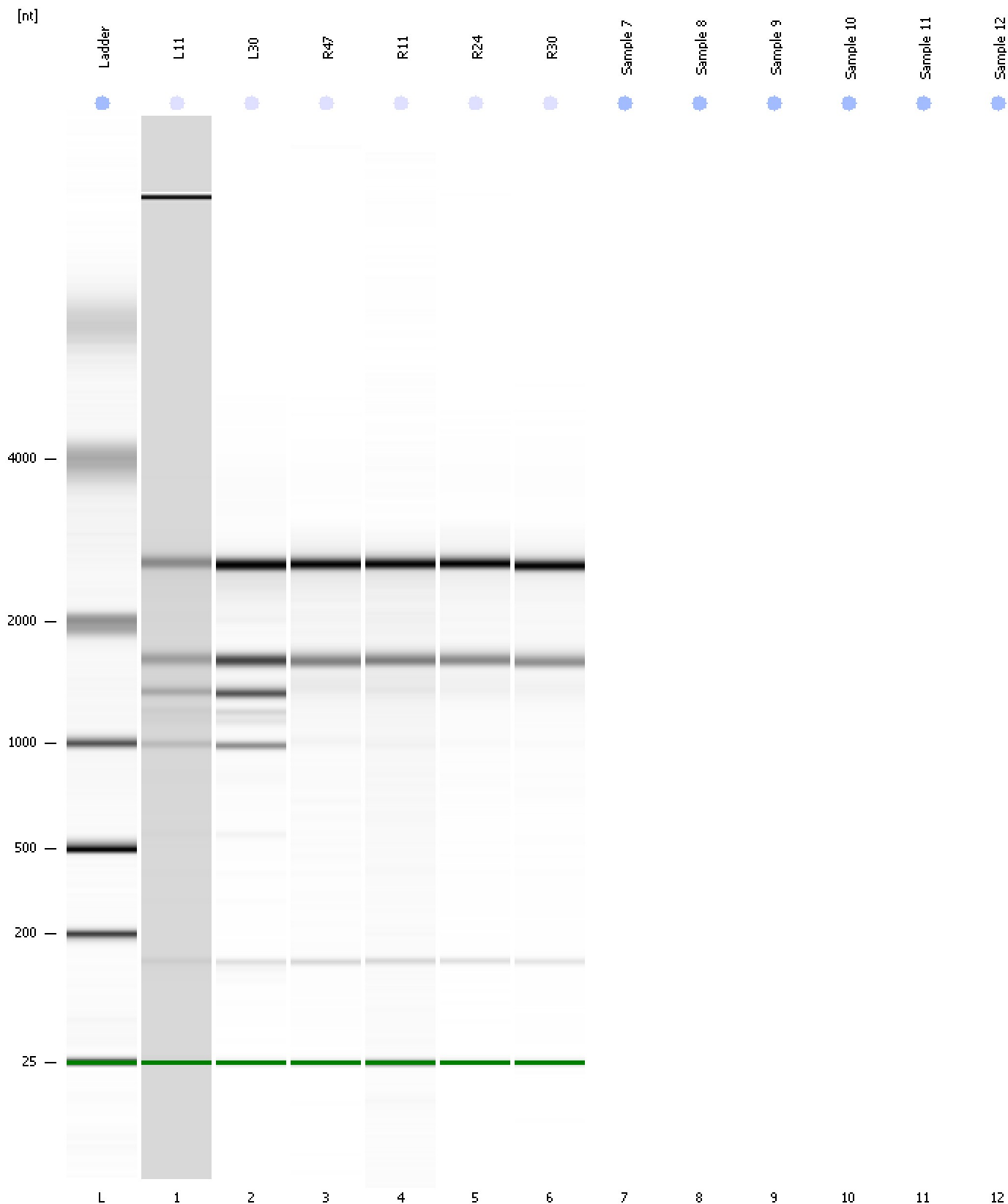
Fragment table for sample 6 : R30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,867	59.0	19.8
25S	2,355	3,223	116.4	39.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Gel Image



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-21\2018-06-21_004.xad

Created: 6/21/2018 3:24:44 PM
Modified: 6/21/2018 3:40:20 PM

Invalid Samples

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.