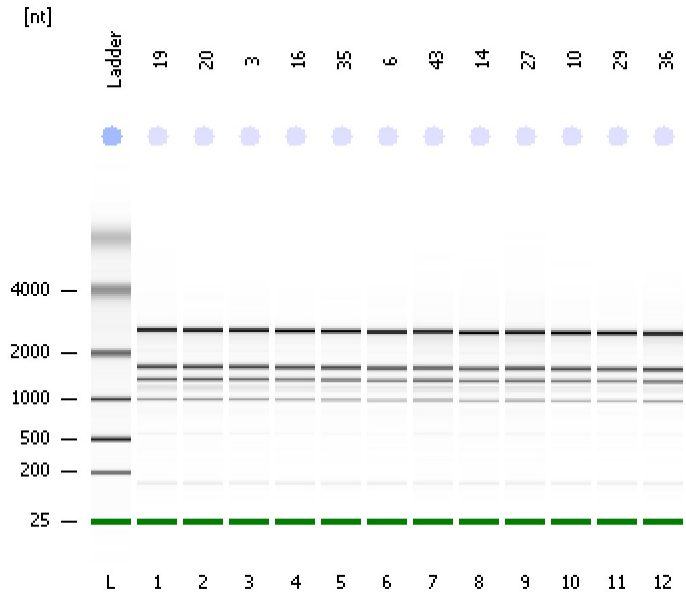


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 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)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
 Modified: 6/19/2018 11:50:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
19		✓	RIN: 7.40	
20		✓	RIN: 7.30	
3		✓	RIN: 7.50	
16		✓	RIN: 7.70	
35		✓	RIN: 7.50	
6		✓	RIN: 7.80	
43		✓	RIN: 7.50	
14		✓	RIN: 7.80	
27		✓	RIN: 7.50	
10		✓	RIN: 7.90	
29		✓	RIN:8	
36		✓	RIN: 7.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 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/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

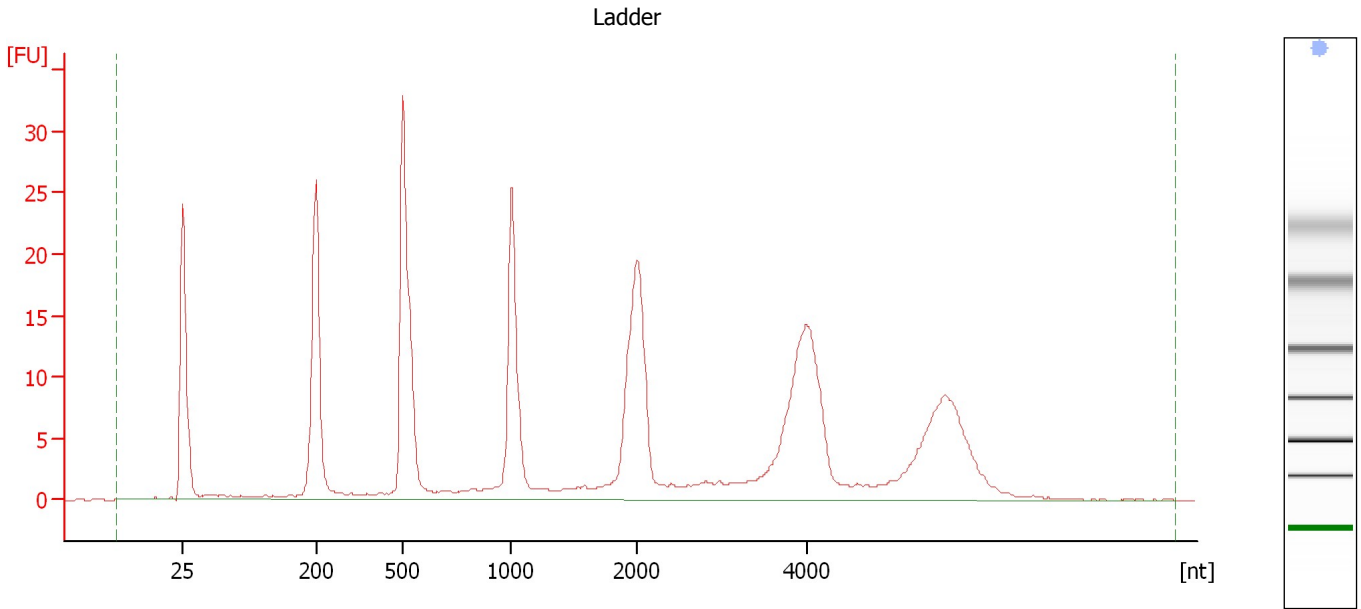
Ladder

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\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary



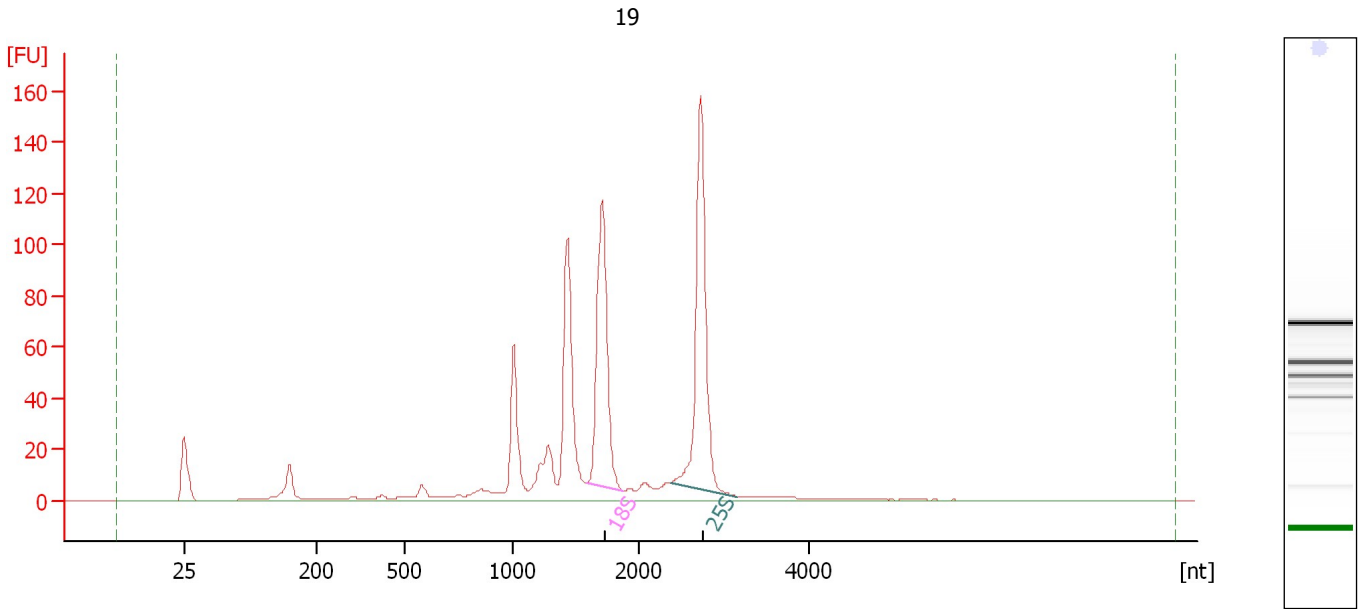
Overall Results for Ladder

RNA Area:	294.5	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\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 19

RNA Area:	715.6	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	365 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

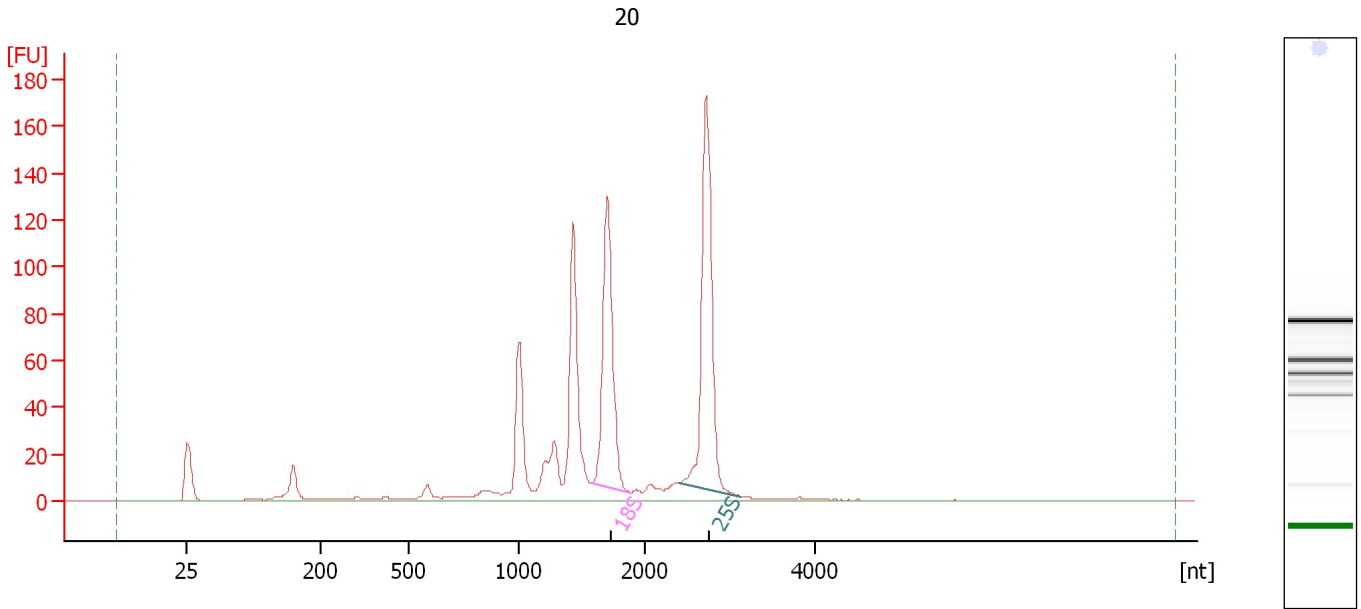
Fragment table for sample 1 : 19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,873	144.0	20.1
25S	2,379	3,150	175.6	24.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 20

RNA Area:	780.3	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	398 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 7.30

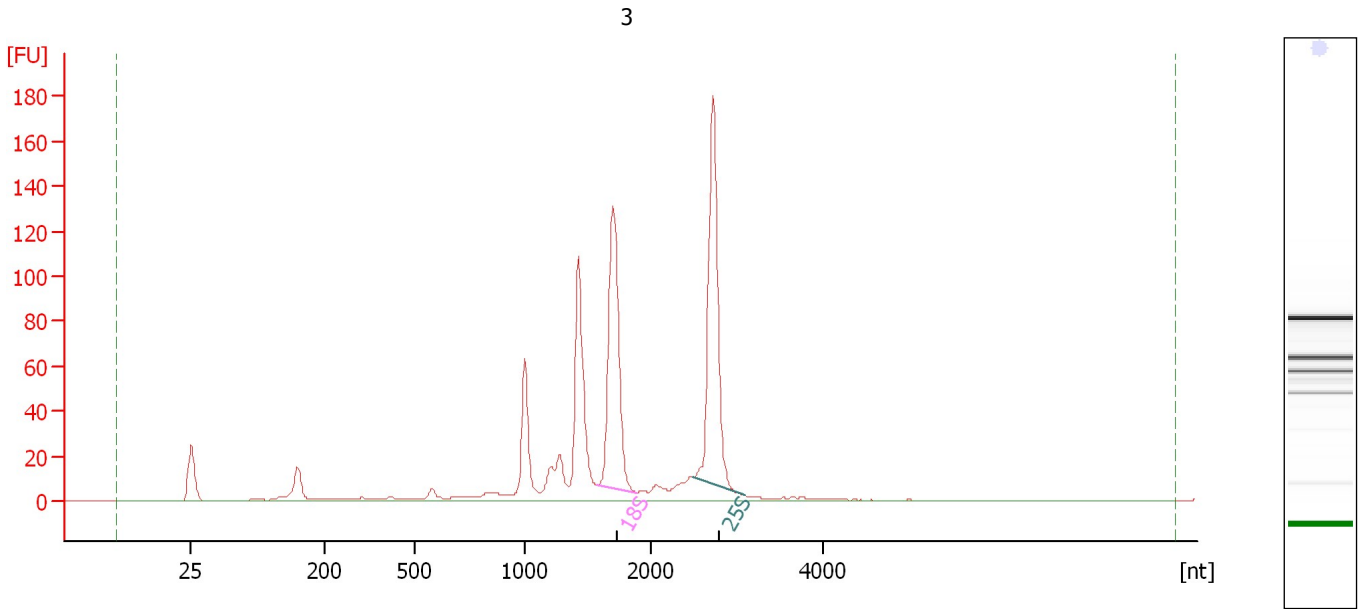
Fragment table for sample 2 : 20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,884	157.4	20.2
25S	2,379	3,119	190.6	24.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area: 752.7 RNA Integrity Number (RIN): 7.5 (B.02.08)
RNA Concentration: 383 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.2 Result Flagging Label: RIN: 7.50

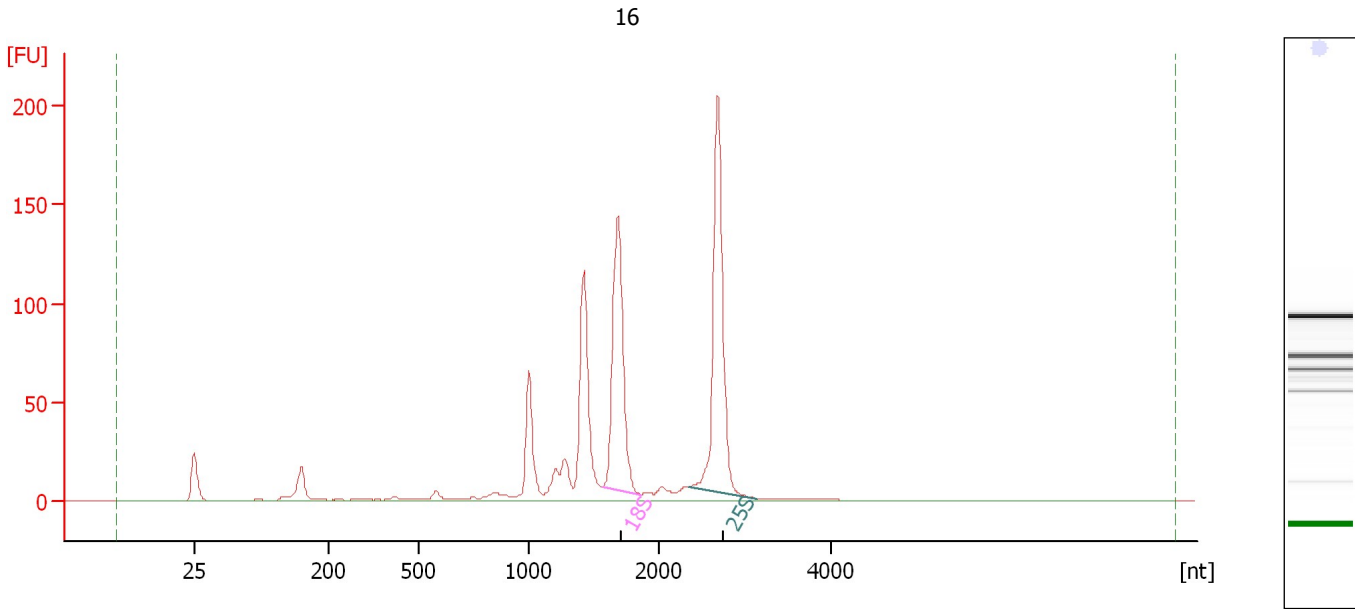
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,878	159.5	21.2
25S	2,478	3,077	183.7	24.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 16

RNA Area:	809.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	412 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 7.70

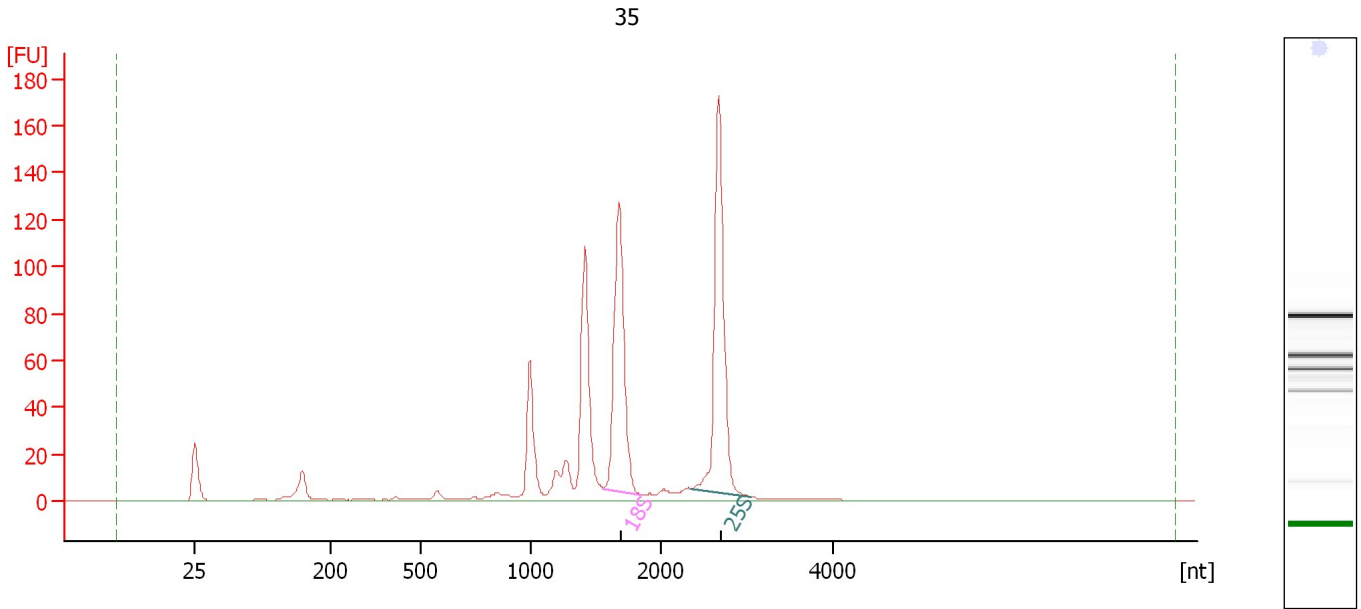
Fragment table for sample 4 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,864	178.0	22.0
25S	2,366	3,146	221.0	27.3

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
 Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 35

RNA Area:	673.0	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	343 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

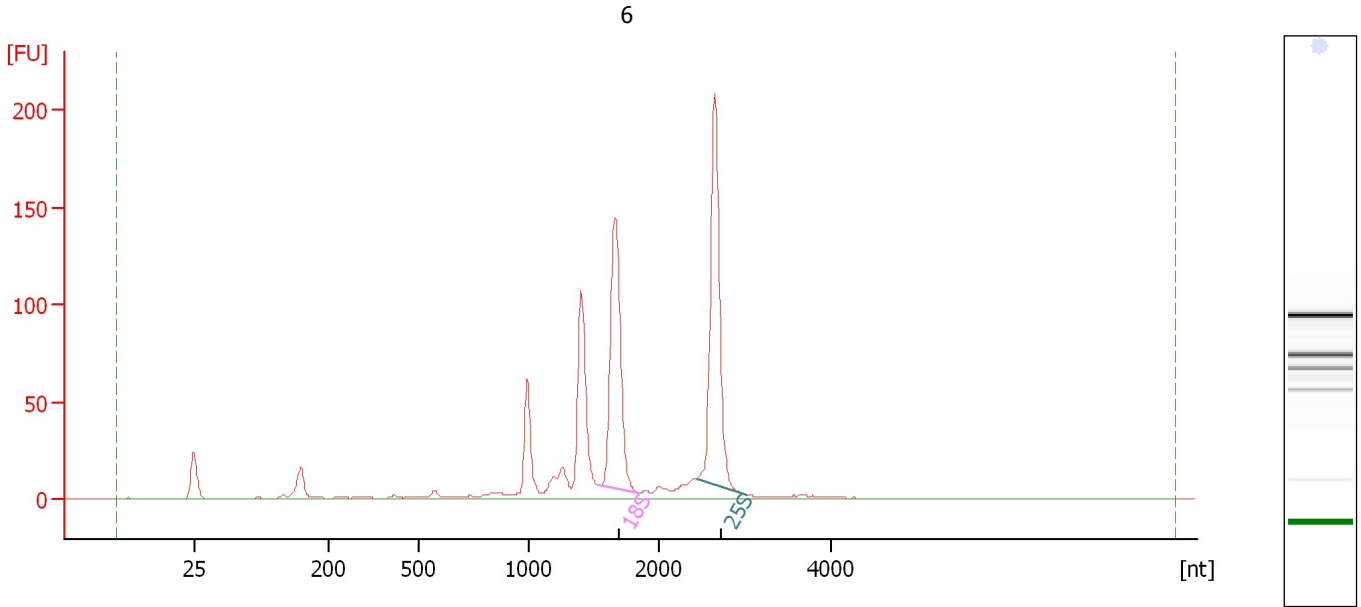
Fragment table for sample 5 : 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,856	152.3	22.6
25S	2,354	3,046	180.4	26.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area:	769.8	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	392 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 7.80

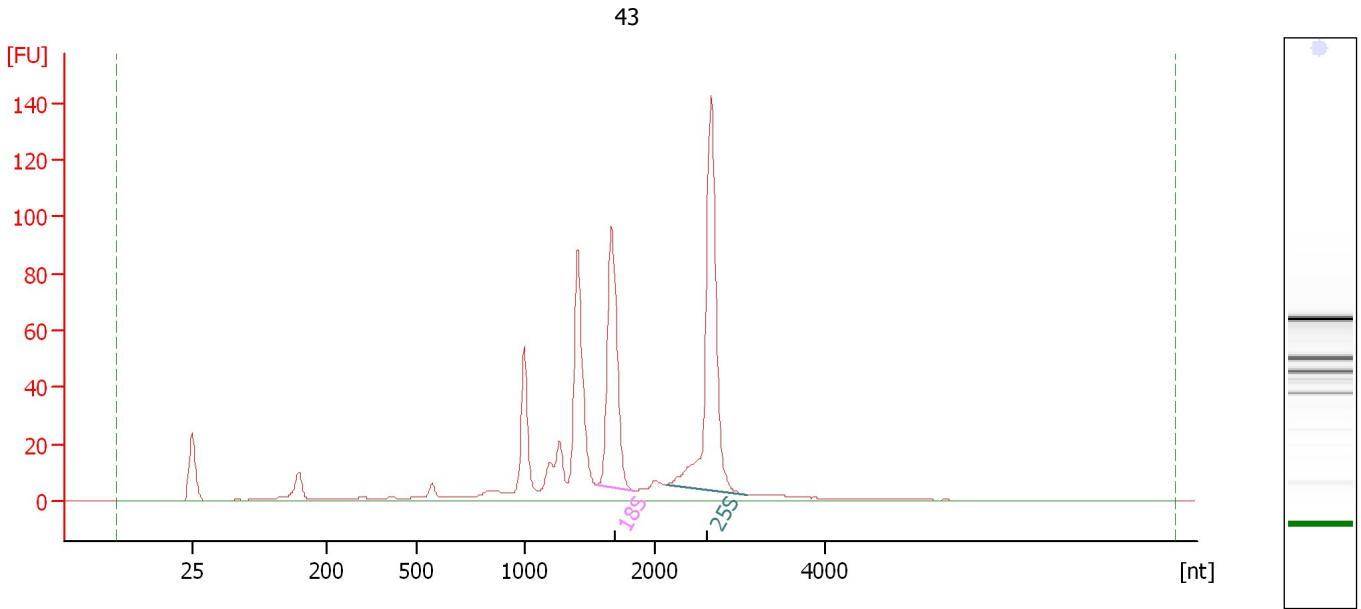
Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,847	176.3	22.9
25S	2,440	3,022	212.5	27.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 43

RNA Area:	632.6	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	322 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.5	Result Flagging Label:	RIN: 7.50

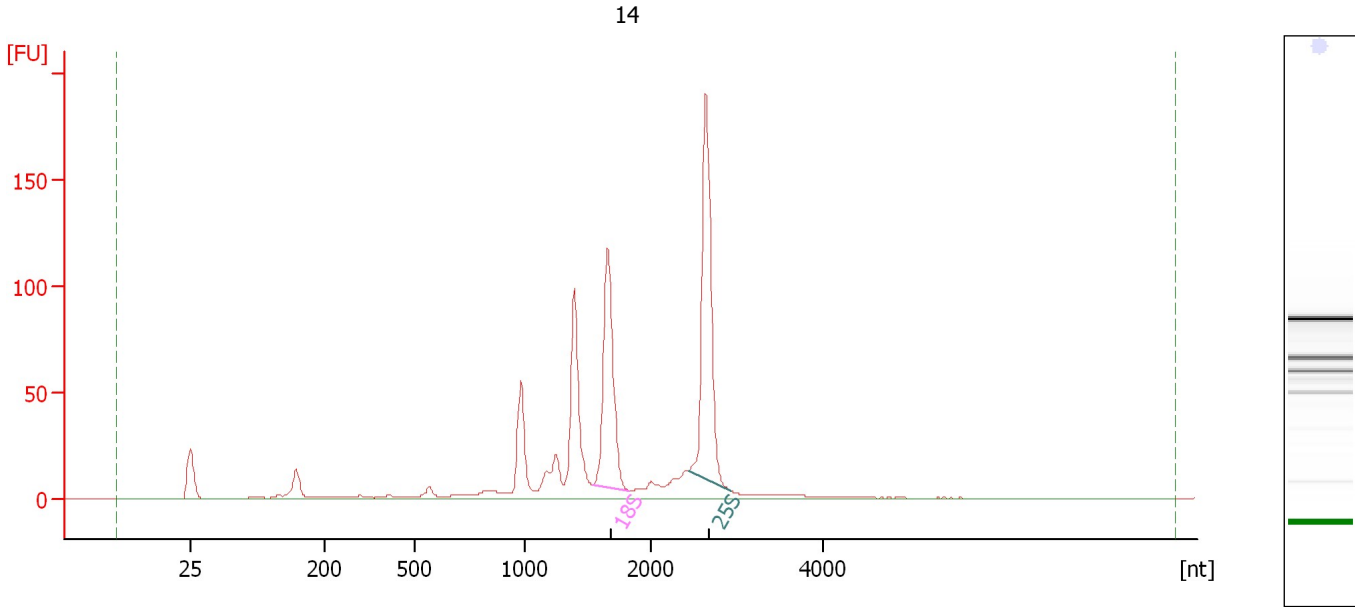
Fragment table for sample 7 : 43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,854	112.5	17.8
25S	2,142	3,088	167.1	26.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 14

RNA Area:	735.4	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	375 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 7.80

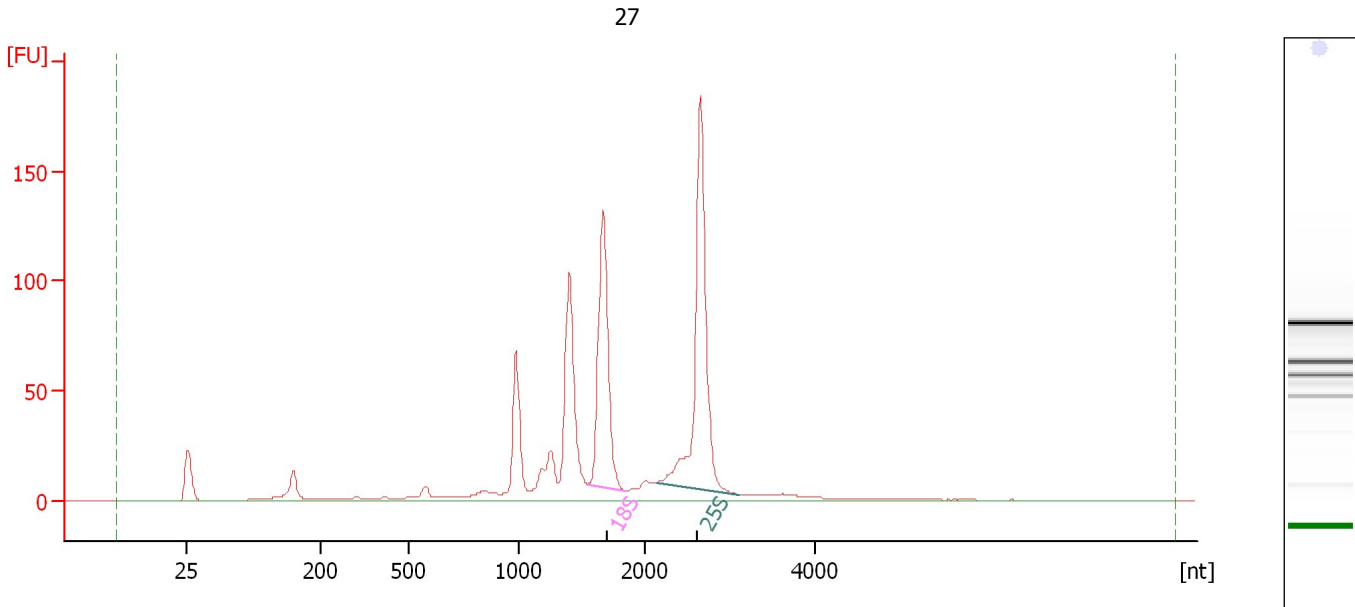
Fragment table for sample 8 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,828	142.9	19.4
25S	2,429	2,915	185.1	25.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 27

RNA Area:	829.0	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	422 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 7.50

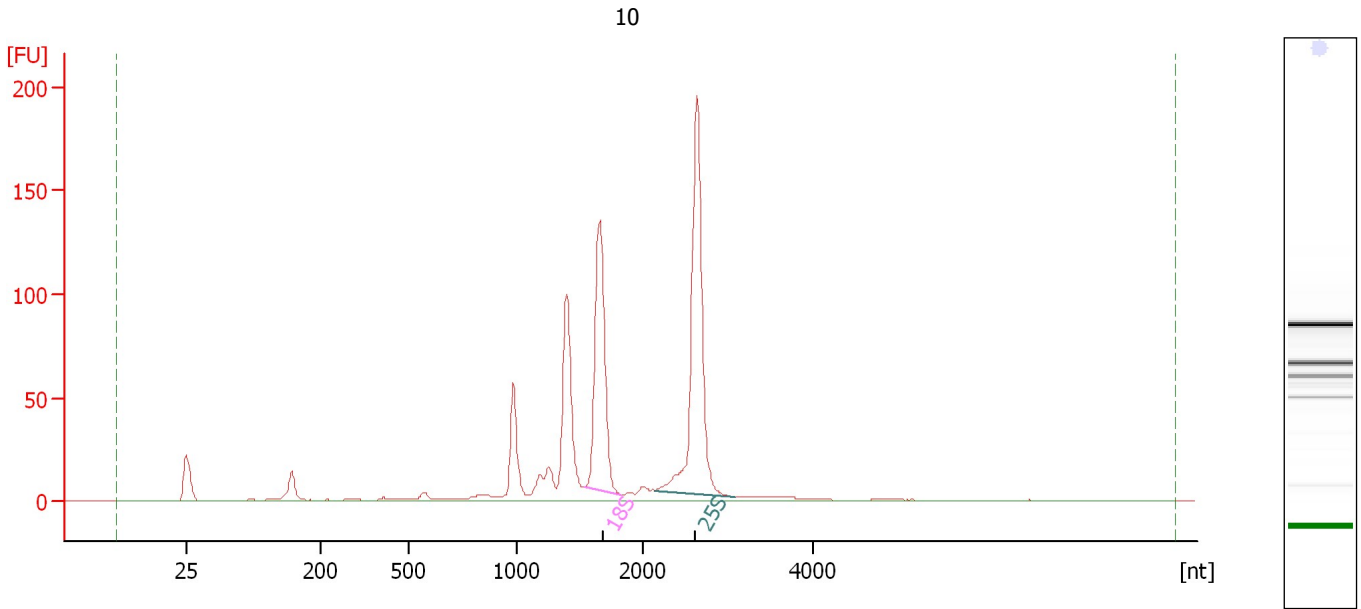
Fragment table for sample 9 : 27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,842	156.0	18.8
25S	2,128	3,107	225.5	27.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10

RNA Area: 744.1 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 379 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.5 Result Flagging Label: RIN: 7.90

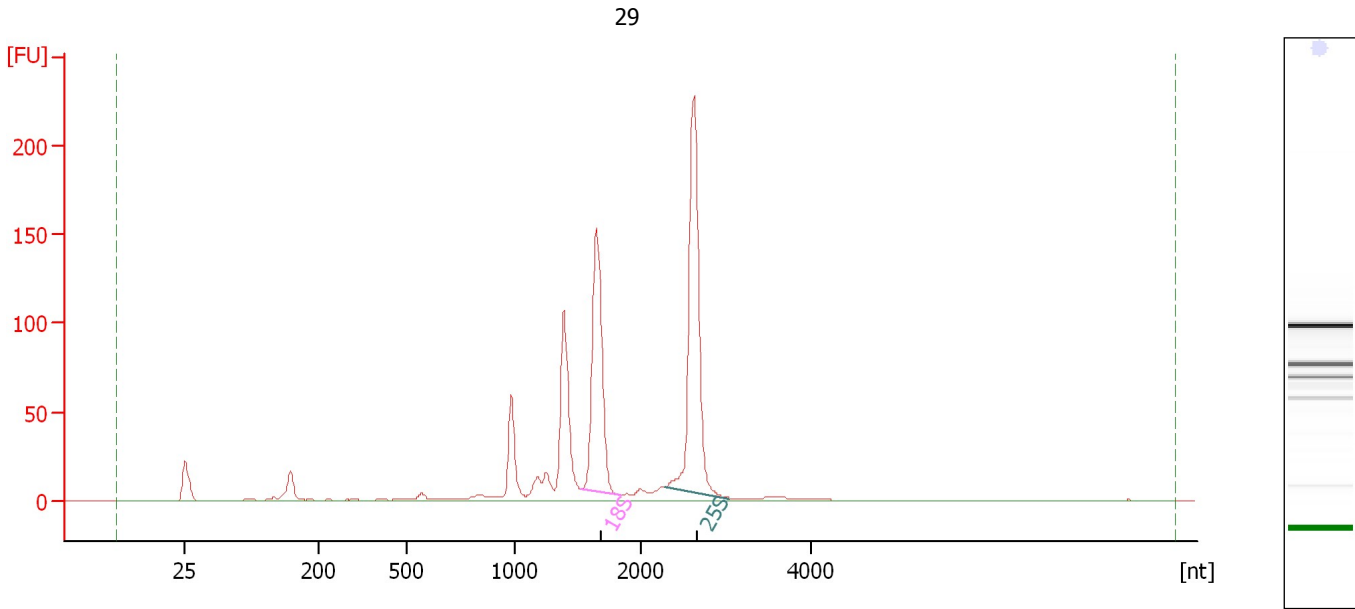
Fragment table for sample 10 : 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,816	161.4	21.7
25S	2,140	3,071	235.3	31.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 29

RNA Area:	810.1	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	413 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN:8

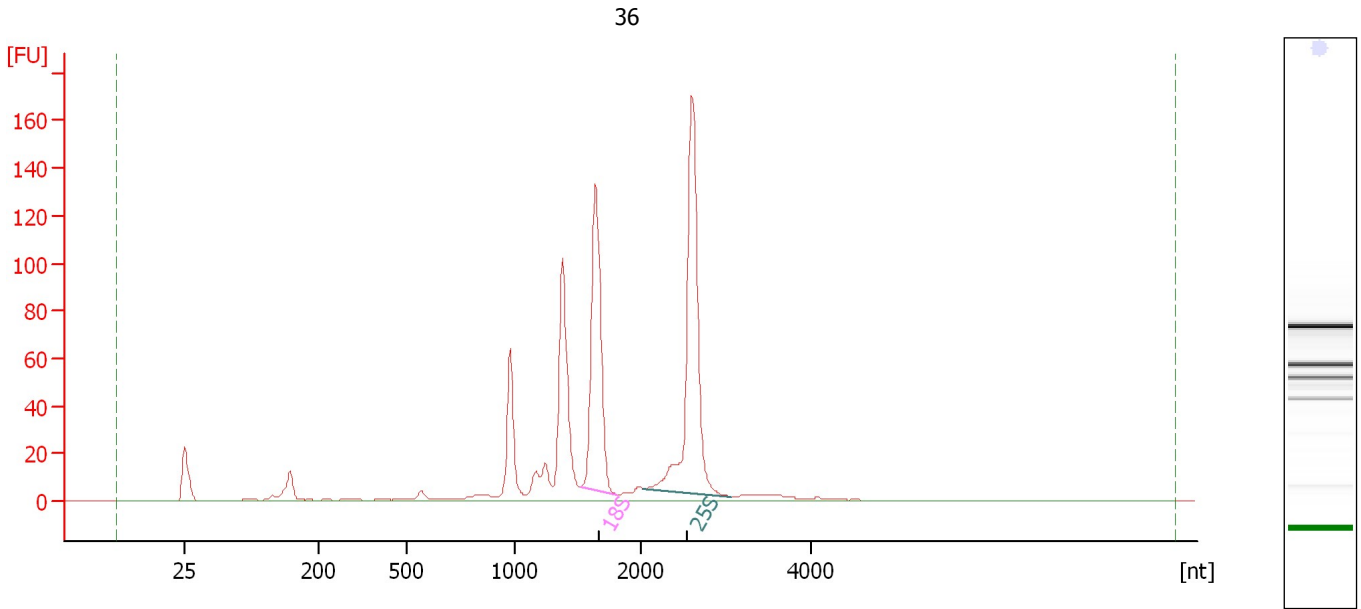
Fragment table for sample 11 : 29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,832	184.0	22.7
25S	2,278	3,034	250.6	30.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 36

RNA Area: 727.6 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 371 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.4 Result Flagging Label: RIN: 7.60

Fragment table for sample 12 : 36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,806	155.6	21.4
25S	2,026	3,047	211.8	29.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-19\2018-06-19_001.xad

Created: 6/19/2018 11:26:23 AM
Modified: 6/19/2018 11:50:14 AM

Gel Image

