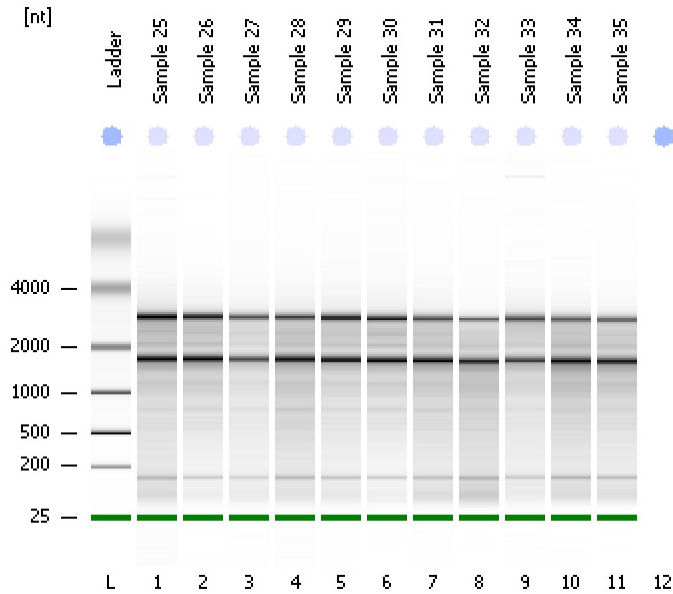


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 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

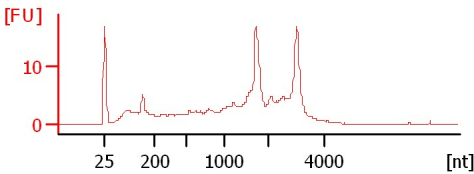
Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

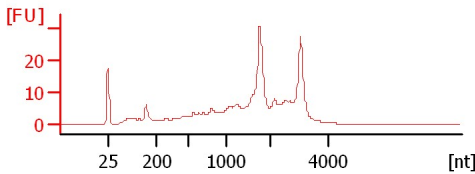
Chip Information:

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

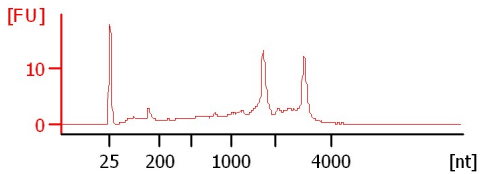
Sample 25
RIN: 7.20



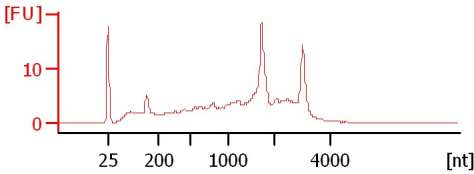
Sample 26
RIN: 7.20



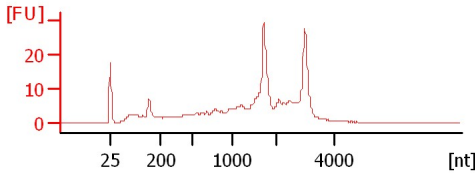
Sample 27
RIN: 7.40



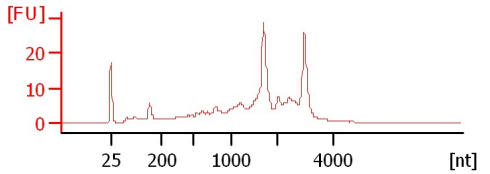
Sample 28
RIN: 6.60



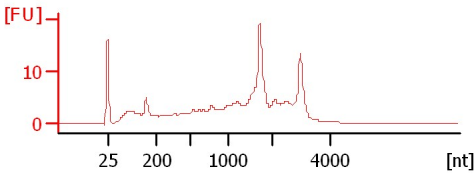
Sample 29
RIN: 7.20



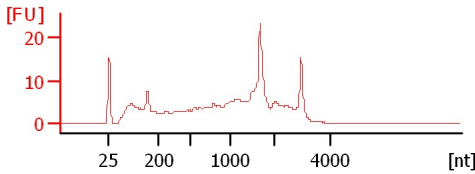
Sample 30
RIN: 7.20



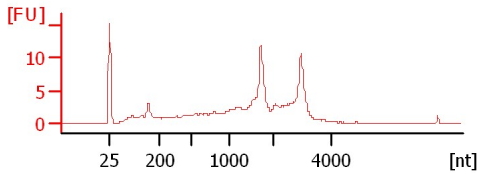
Sample 31
RIN: 6.80



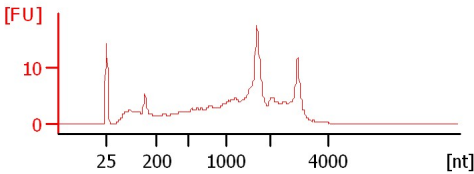
Sample 32
RIN: 6.10



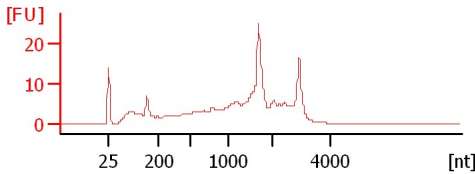
Sample 33
RIN: 7.40



Sample 34
RIN: 6.60



Sample 35
RIN: 6.60



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 25		✓	RIN: 7.20	
Sample 26		✓	RIN: 7.20	
Sample 27		✓	RIN: 7.40	
Sample 28		✓	RIN: 6.60	
Sample 29		✓	RIN: 7.20	
Sample 30		✓	RIN: 7.20	
Sample 31		✓	RIN: 6.80	
Sample 32		✓	RIN: 6.10	
Sample 33		✓	RIN: 7.40	
Sample 34		✓	RIN: 6.60	
Sample 35		✓	RIN: 6.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 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

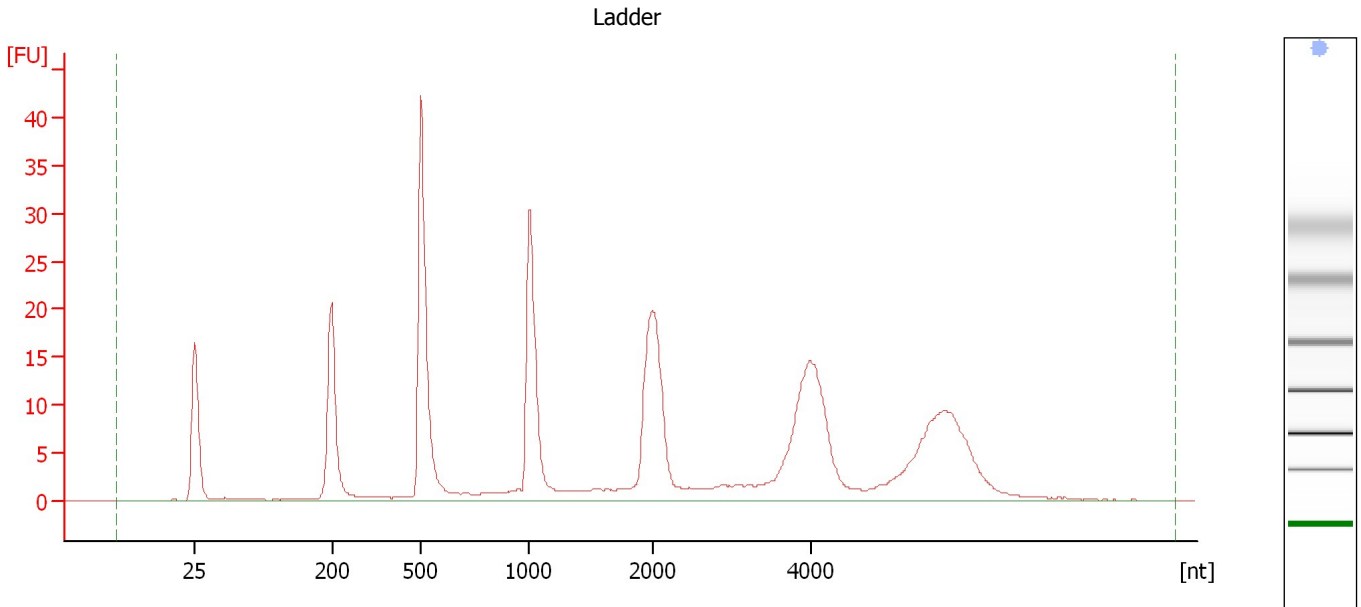
Ladder

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\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary



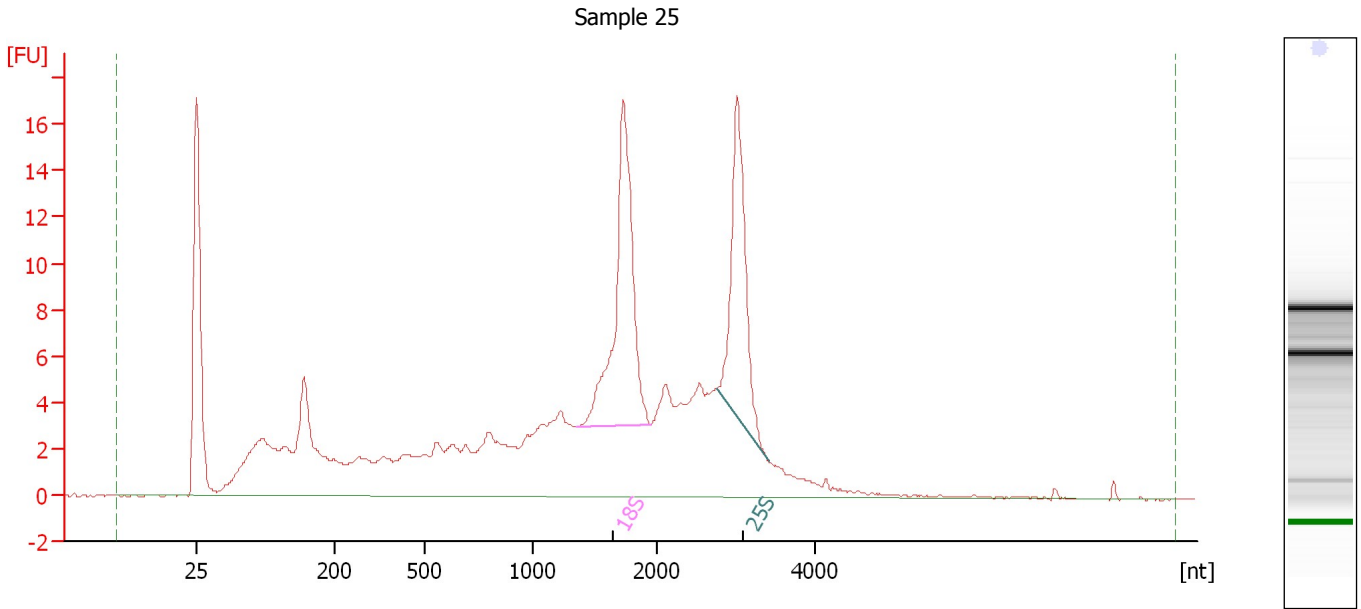
Overall Results for Ladder

RNA Area:	308.9	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\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 25

RNA Area: 233.3 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 113 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.7 Result Flagging Label: RIN: 7.20

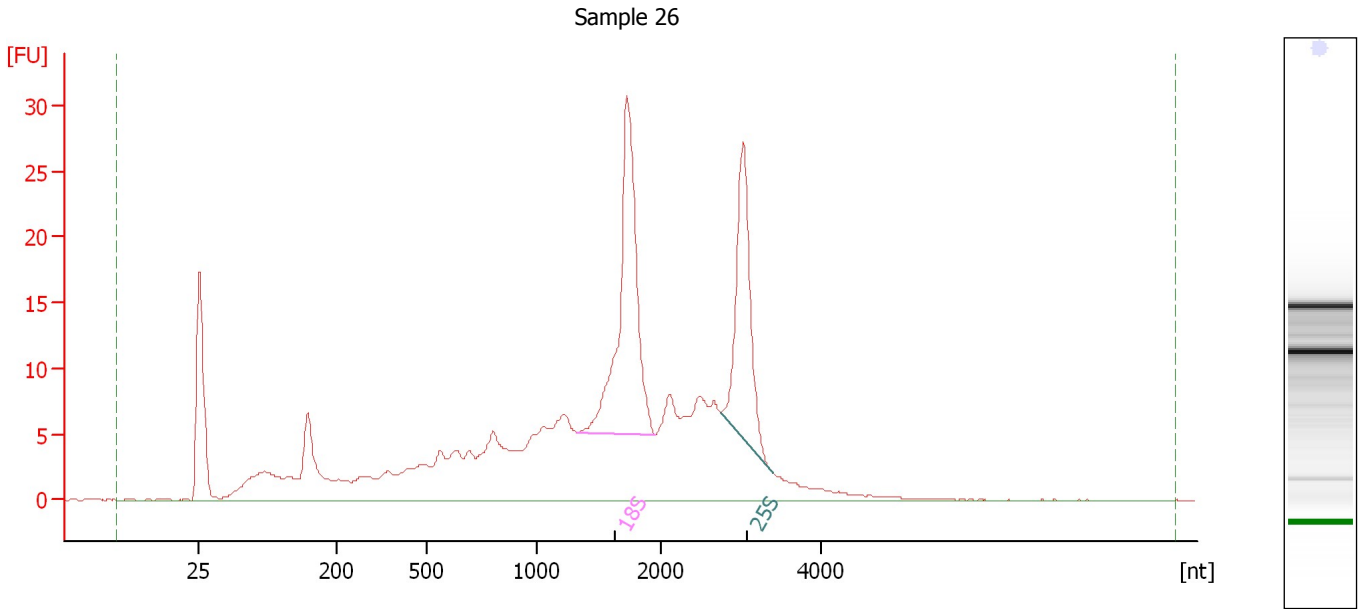
Fragment table for sample 1 : Sample 25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,360	1,949	30.0	12.9
25S	2,768	3,414	21.3	9.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 26

RNA Area: 350.7 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 170 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.6 Result Flagging Label: RIN: 7.20

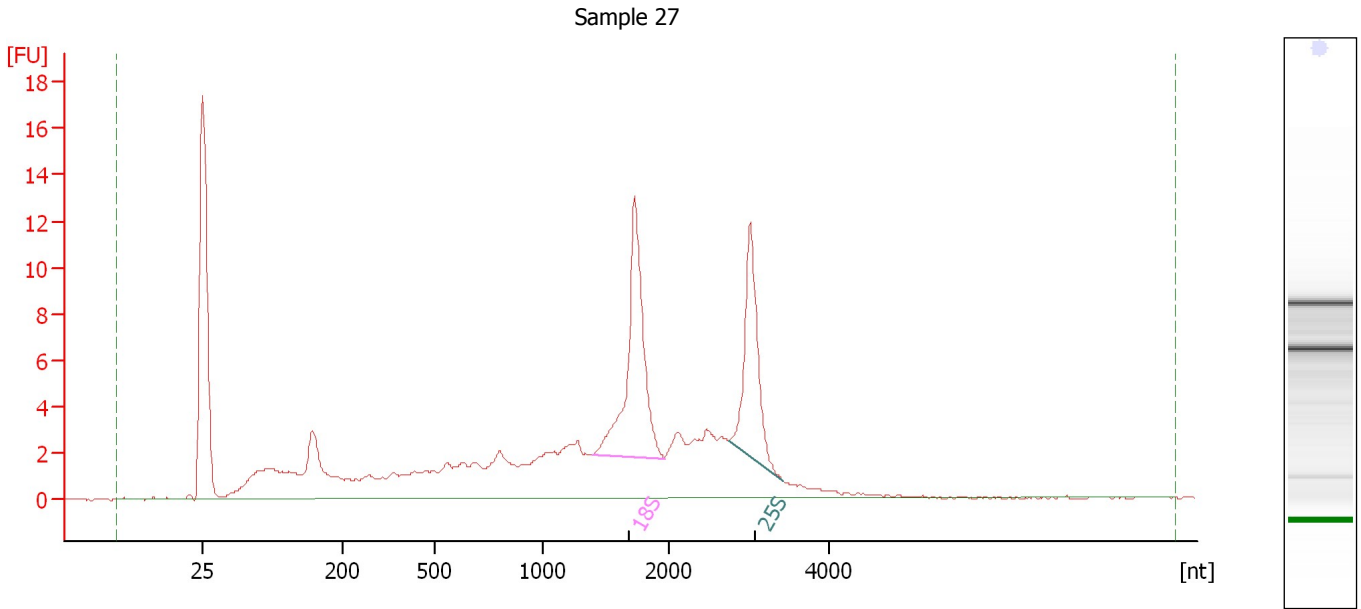
Fragment table for sample 2 : Sample 26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,330	1,959	54.3	15.5
25S	2,767	3,397	33.9	9.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 27

RNA Area: 145.1 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 70 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.7 Result Flagging Label: RIN: 7.40

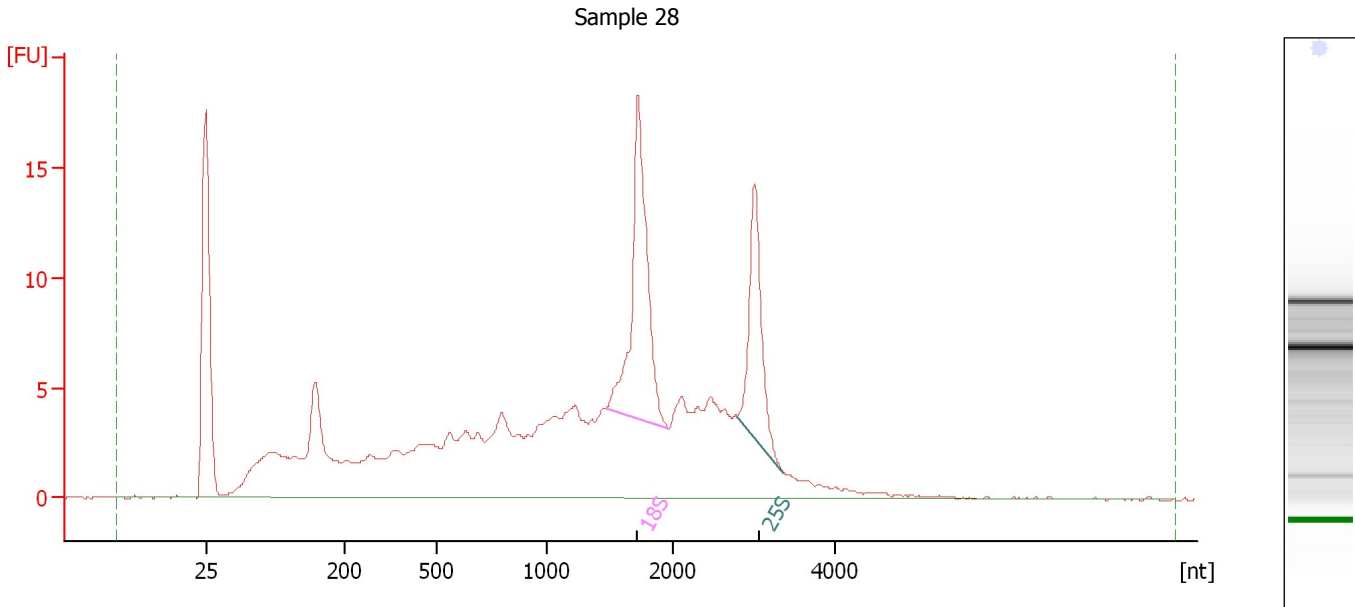
Fragment table for sample 3 : Sample 27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,398	1,962	21.4	14.8
25S	2,751	3,416	14.1	9.7

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
 Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 28

RNA Area:	240.7	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	117 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.5	Result Flagging Label:	RIN: 6.60

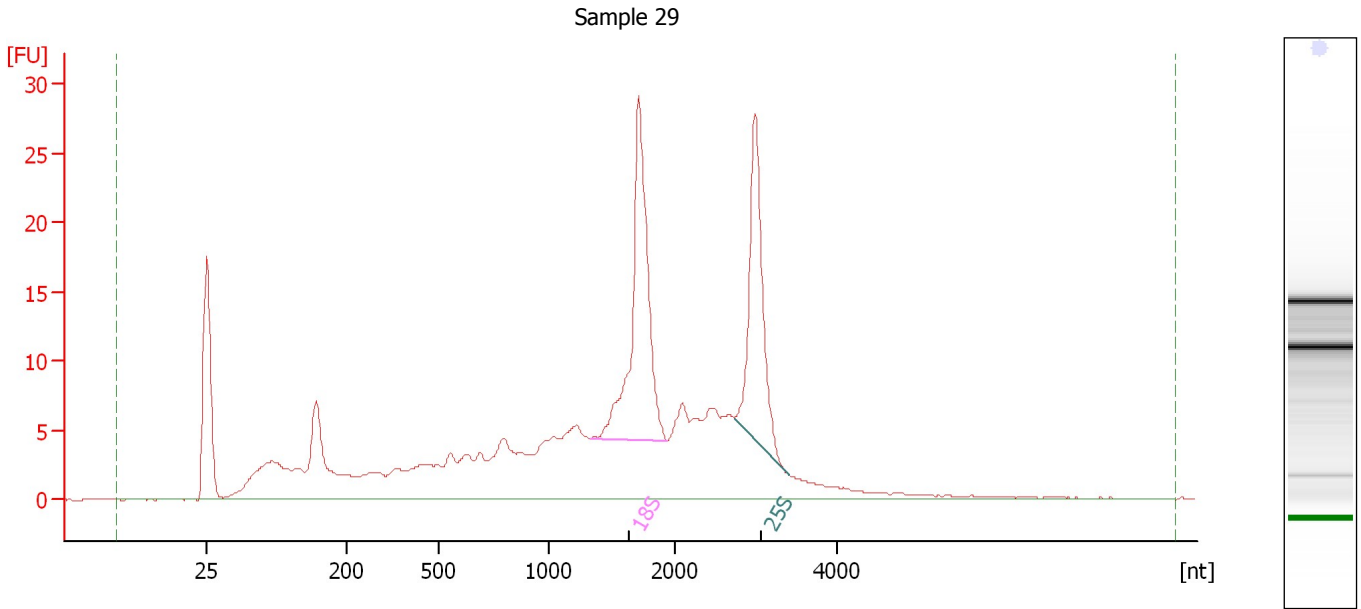
Fragment table for sample 4 : Sample 28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,963	27.2	11.3
25S	2,803	3,372	15.0	6.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 29

RNA Area:	326.9	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	159 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.7	Result Flagging Label:	RIN: 7.20

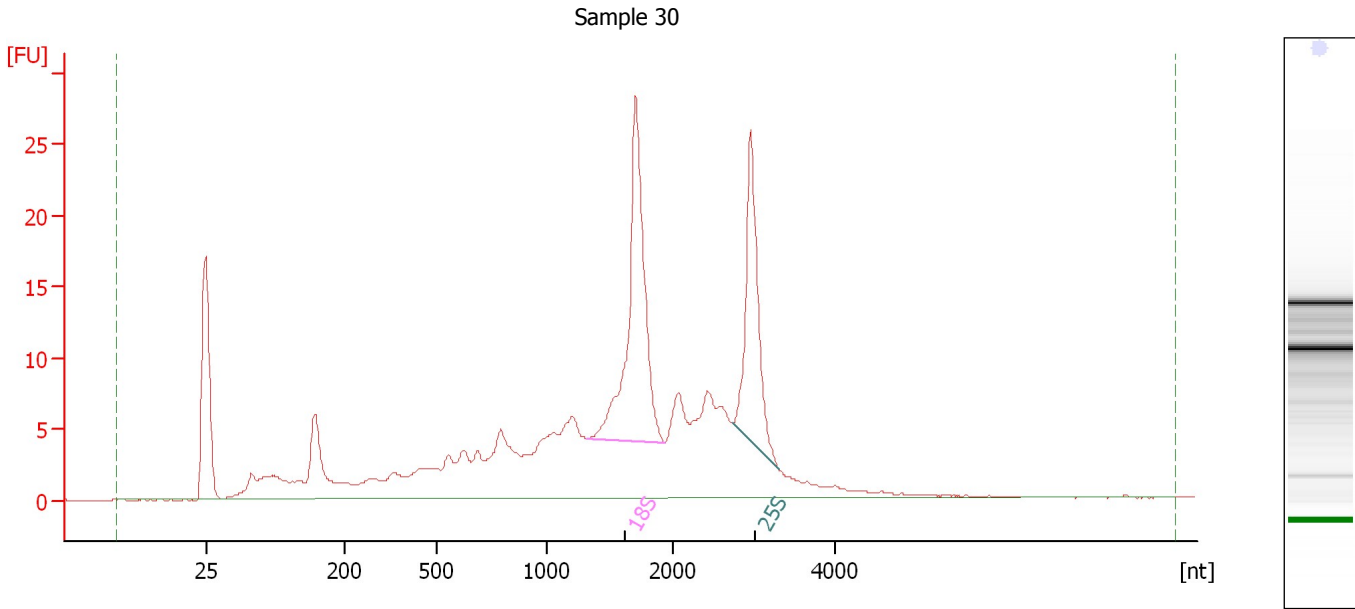
Fragment table for sample 5 : Sample 29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,336	1,939	47.4	14.5
25S	2,736	3,396	33.0	10.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 30

RNA Area: 295.8 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 144 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.6 Result Flagging Label: RIN: 7.20

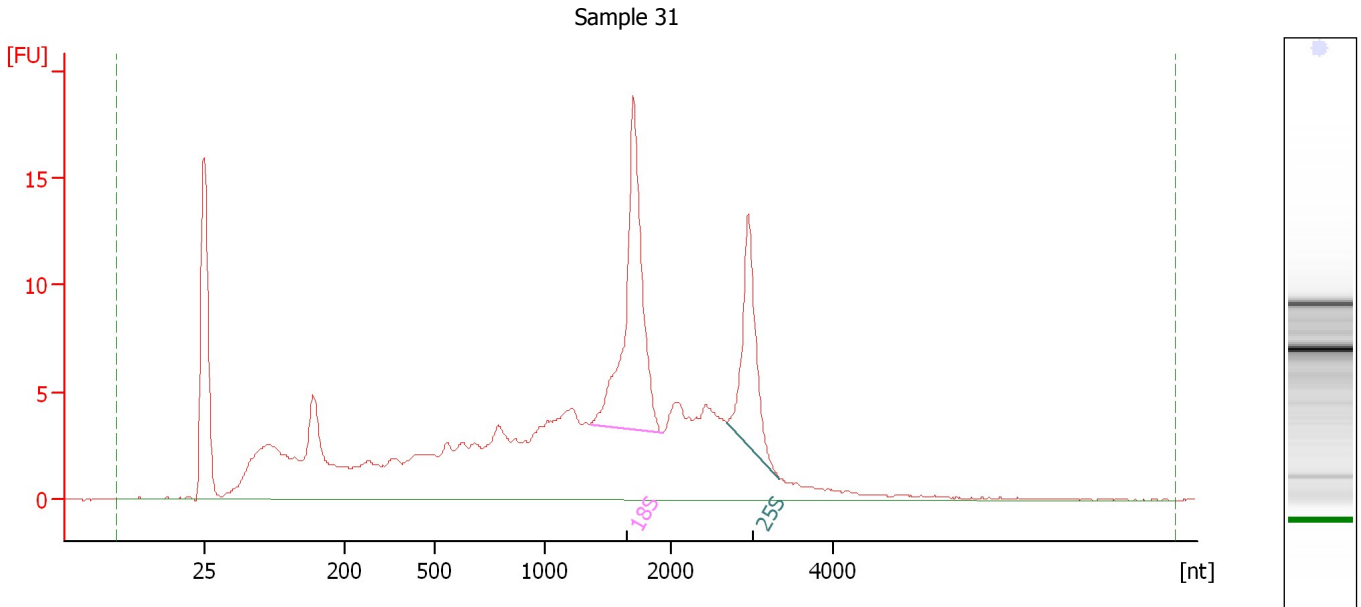
Fragment table for sample 6 : Sample 30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,316	1,929	47.5	16.1
25S	2,737	3,306	28.4	9.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 31

RNA Area:	234.9	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	114 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.5	Result Flagging Label:	RIN: 6.80

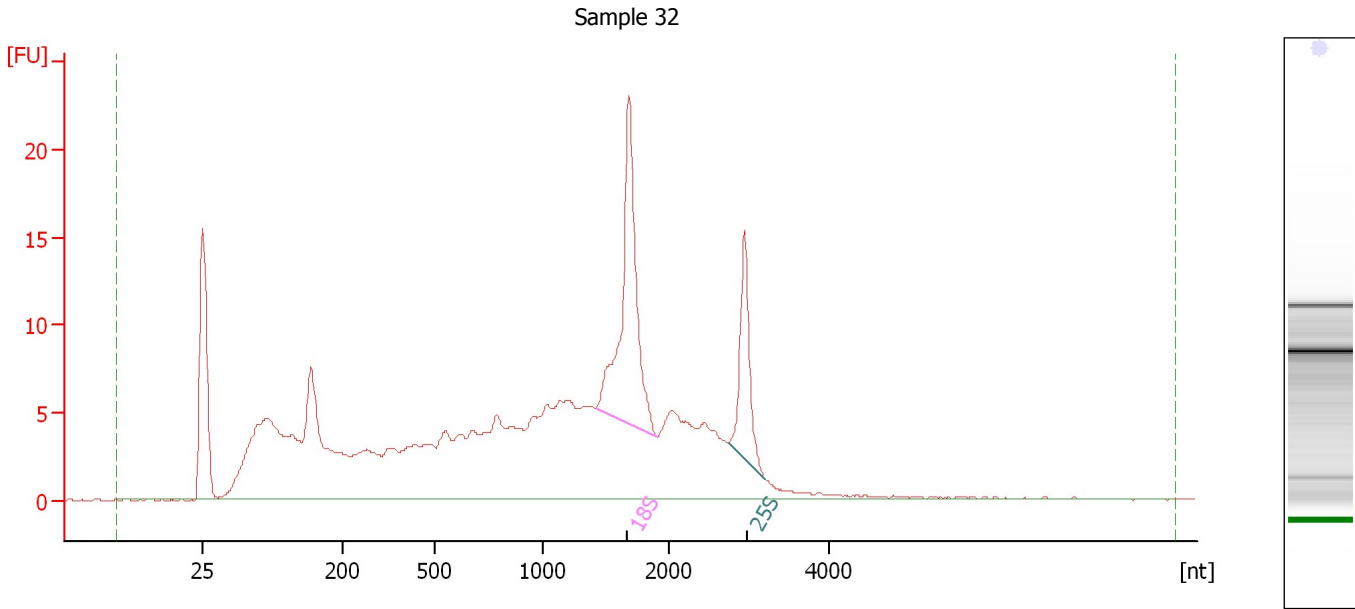
Fragment table for sample 7 : Sample 31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,357	1,937	31.3	13.3
25S	2,698	3,347	15.6	6.6

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
 Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 32

RNA Area:	305.5	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 6.10

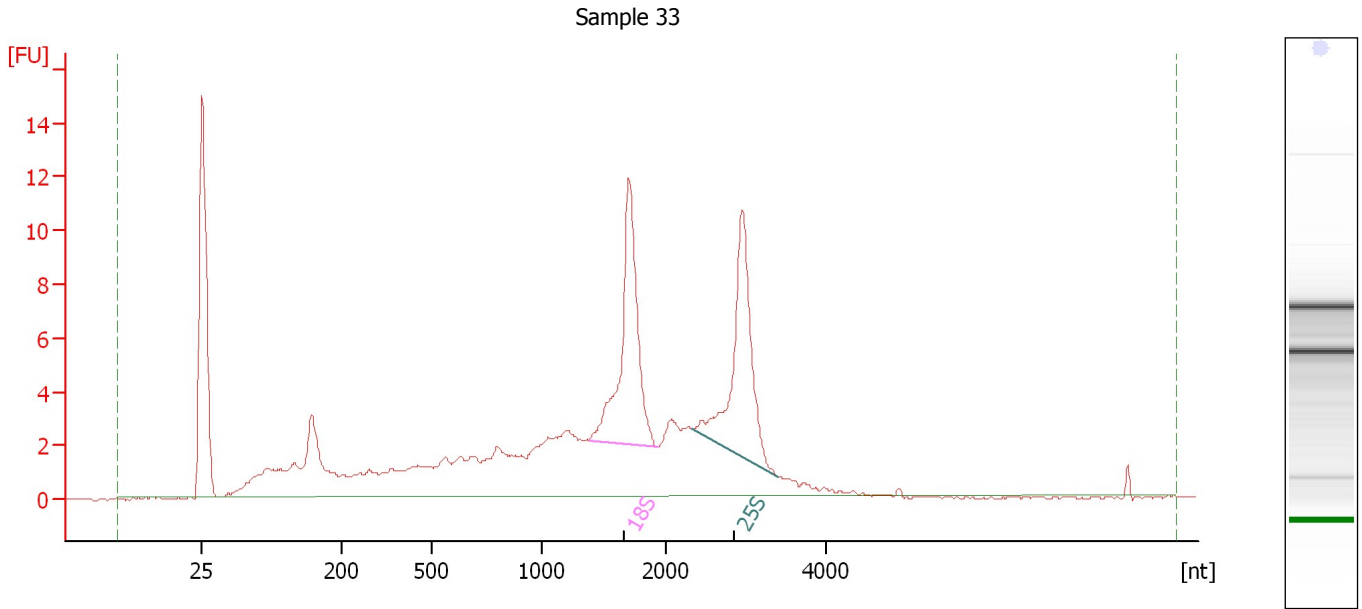
Fragment table for sample 8 : Sample 32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,423	1,911	32.3	10.6
25S	2,738	3,203	13.2	4.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 33

RNA Area: 143.1 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 70 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.9 Result Flagging Label: RIN: 7.40

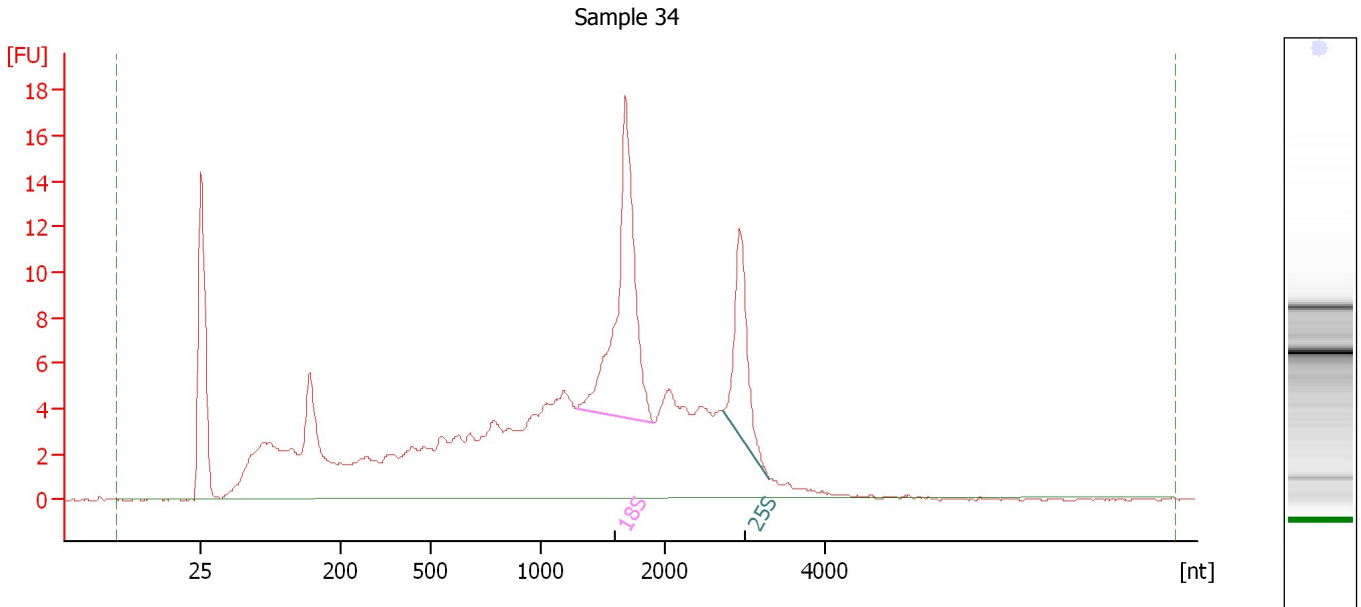
Fragment table for sample 9 : Sample 33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,385	1,935	19.3	13.5
25S	2,339	3,393	18.1	12.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 34

RNA Area:	237.6	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 6.60

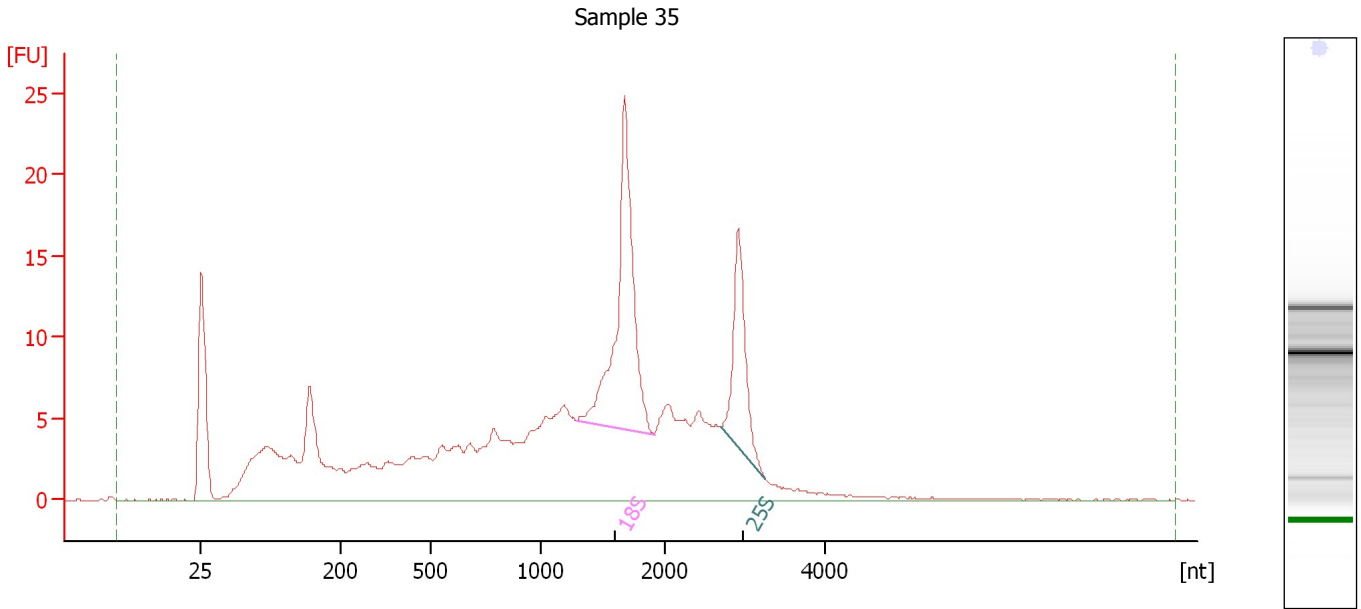
Fragment table for sample 10 : Sample 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,291	1,909	30.1	12.7
25S	2,726	3,313	12.5	5.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 35

RNA Area:	300.3	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 6.60

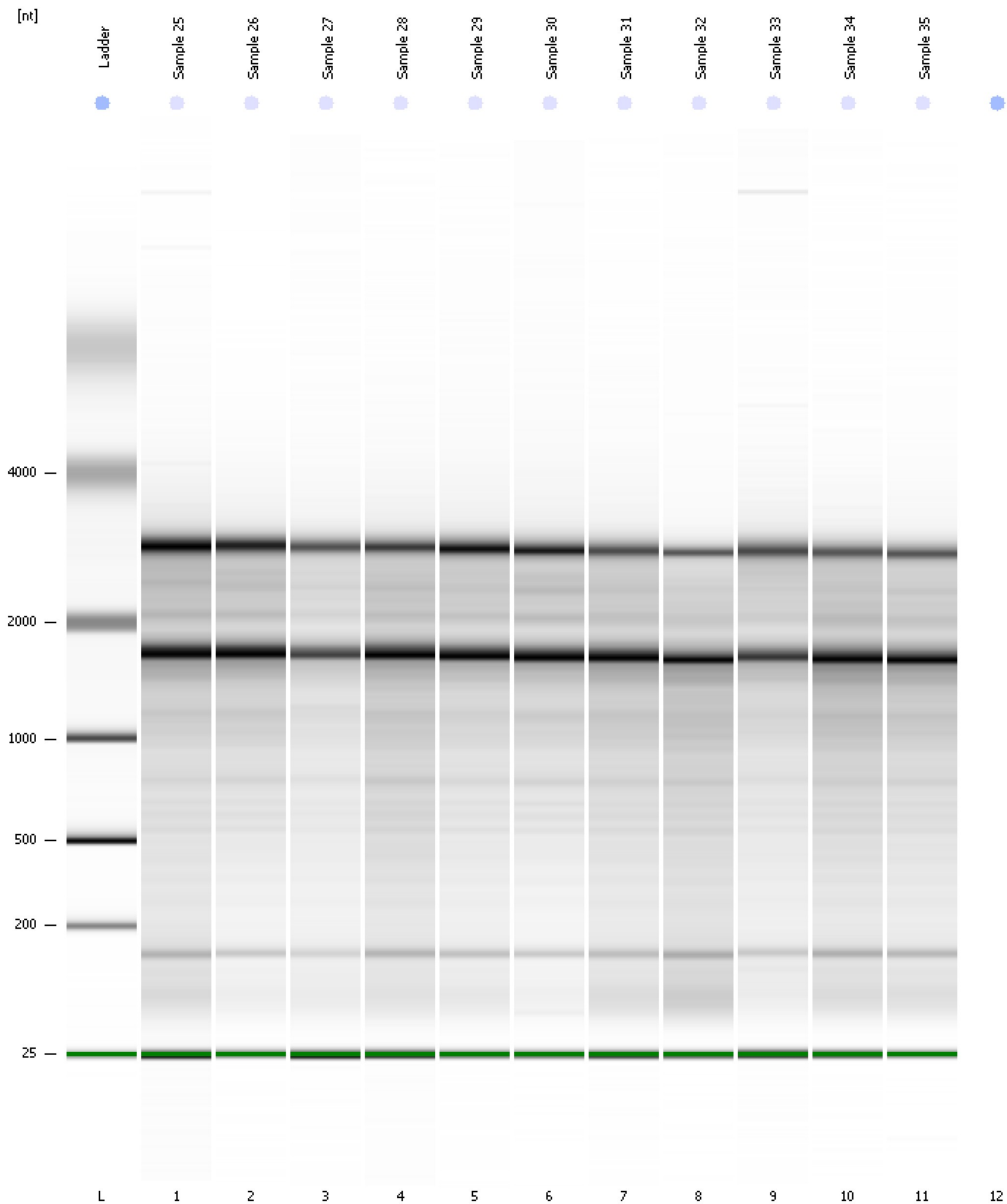
Fragment table for sample 11 : Sample 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,299	1,918	39.8	13.3
25S	2,713	3,260	17.5	5.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Gel Image

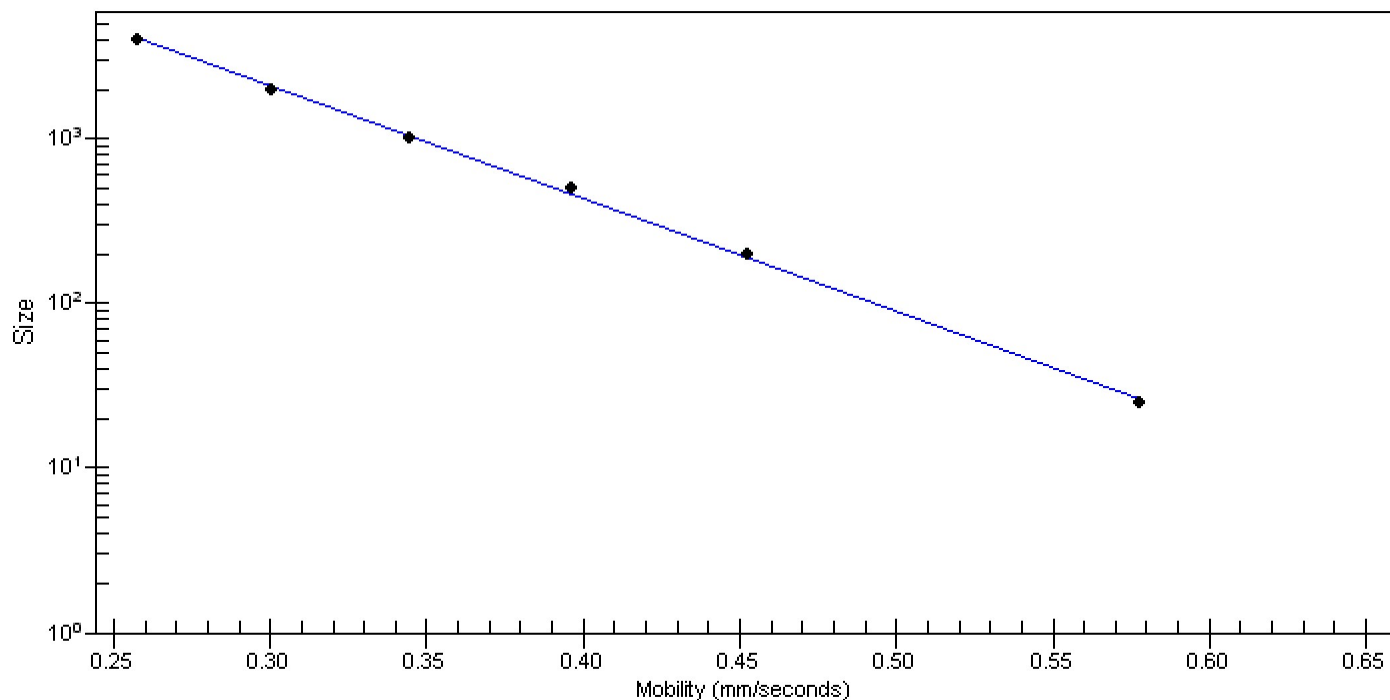


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Curves

Standard Curve



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_005.xad

Created: 4/26/2018 4:10:38 PM
Modified: 4/26/2018 4:33:05 PM

Invalid Samples

Sample 12 has not been run, no results available.