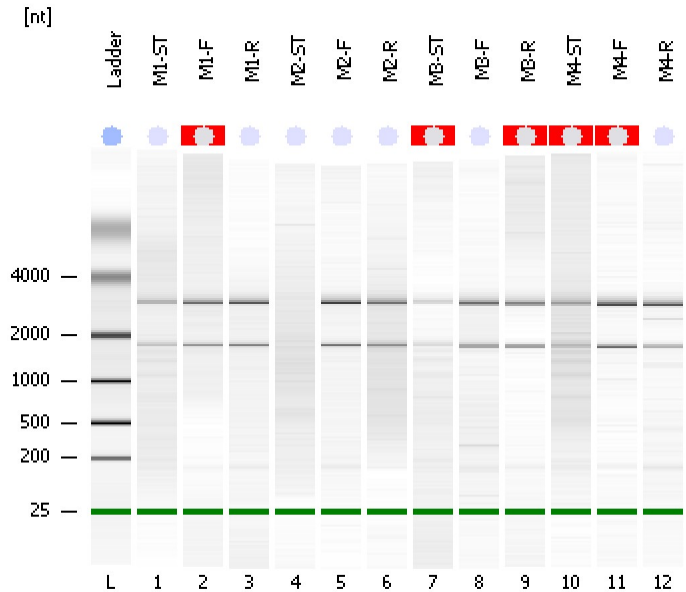


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-05\2017-05-05_002.xad

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 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

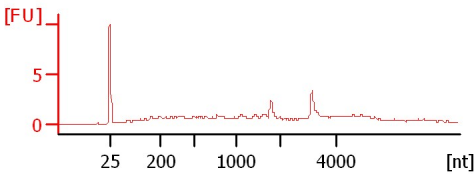
Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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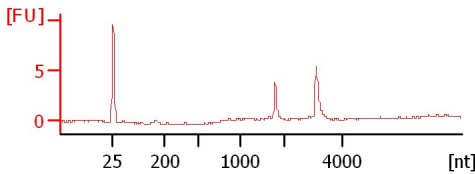
Chip Information:

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

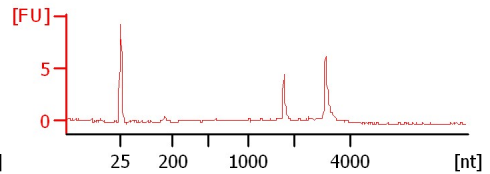
M1-ST
RIN: 5.90



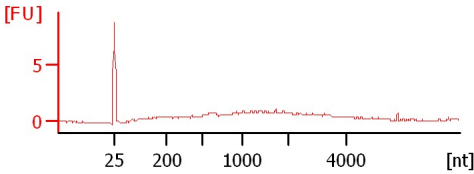
M1-F
RIN N/A



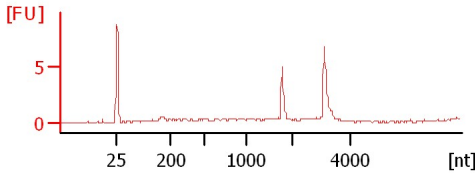
M1-R
RIN: 7.80



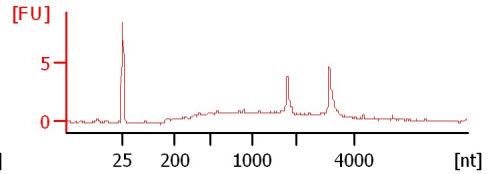
M2-ST
RIN: 1.40



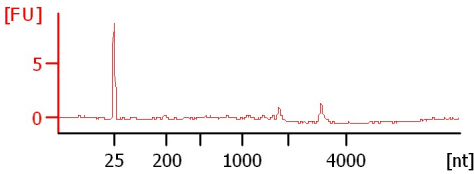
M2-F
RIN: 7.90



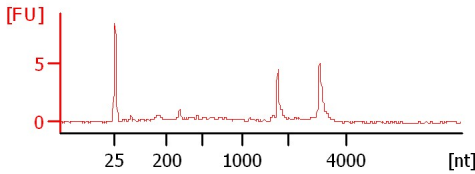
M2-R
RIN: 6.40



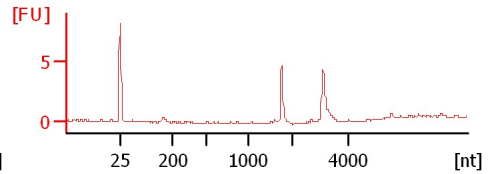
M3-ST
RIN N/A



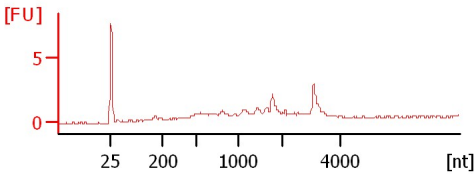
M3-F
RIN: 7.50



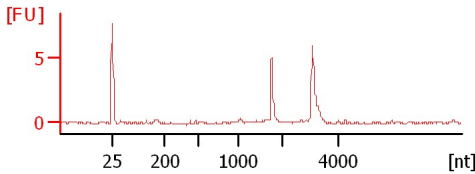
M3-R
RIN N/A



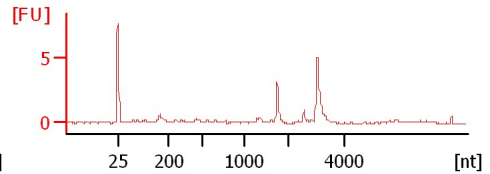
M4-ST
RIN N/A



M4-F
RIN N/A



M4-R
RIN: 8.60



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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
M1-ST		✓	RIN: 5.90	
M1-F		✓	RIN N/A	
M1-R		✓	RIN: 7.80	
M2-ST		✓	RIN: 1.40	
M2-F		✓	RIN: 7.90	
M2-R		✓	RIN: 6.40	
M3-ST		✓	RIN N/A	
M3-F		✓	RIN: 7.50	
M3-R		✓	RIN N/A	
M4-ST		✓	RIN N/A	
M4-F		✓	RIN N/A	
M4-R		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

Chip Lot #

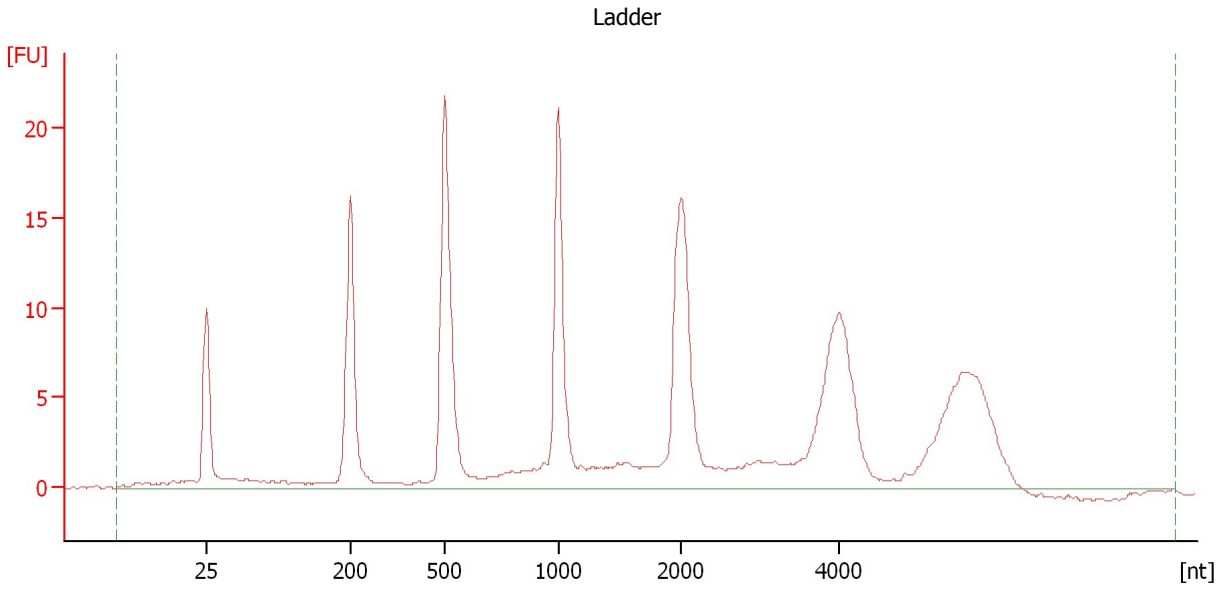
Reagent Kit Lot #

Chip Comments :

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary



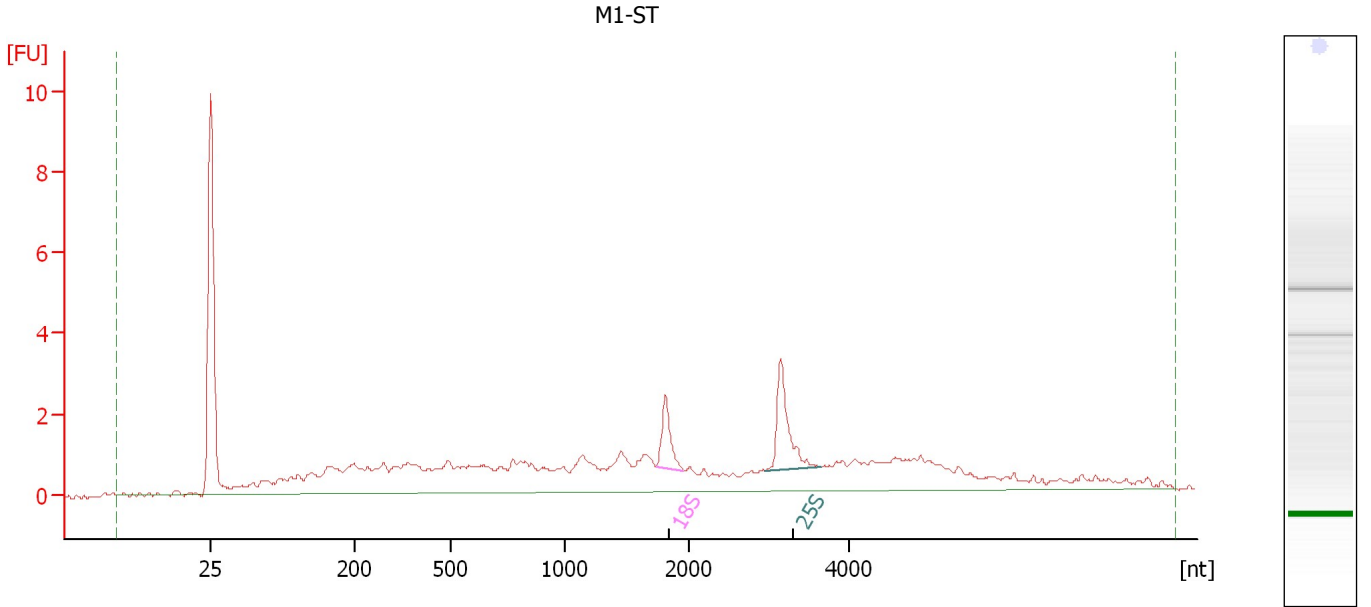
Overall Results for Ladder

RNA Area:	227.5	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\2017-05-05\2017-05-05_002.xad

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : M1-ST

RNA Area: 57.2 RNA Integrity Number (RIN): 5.9 (B.02.08)
RNA Concentration: 38 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN: 5.90

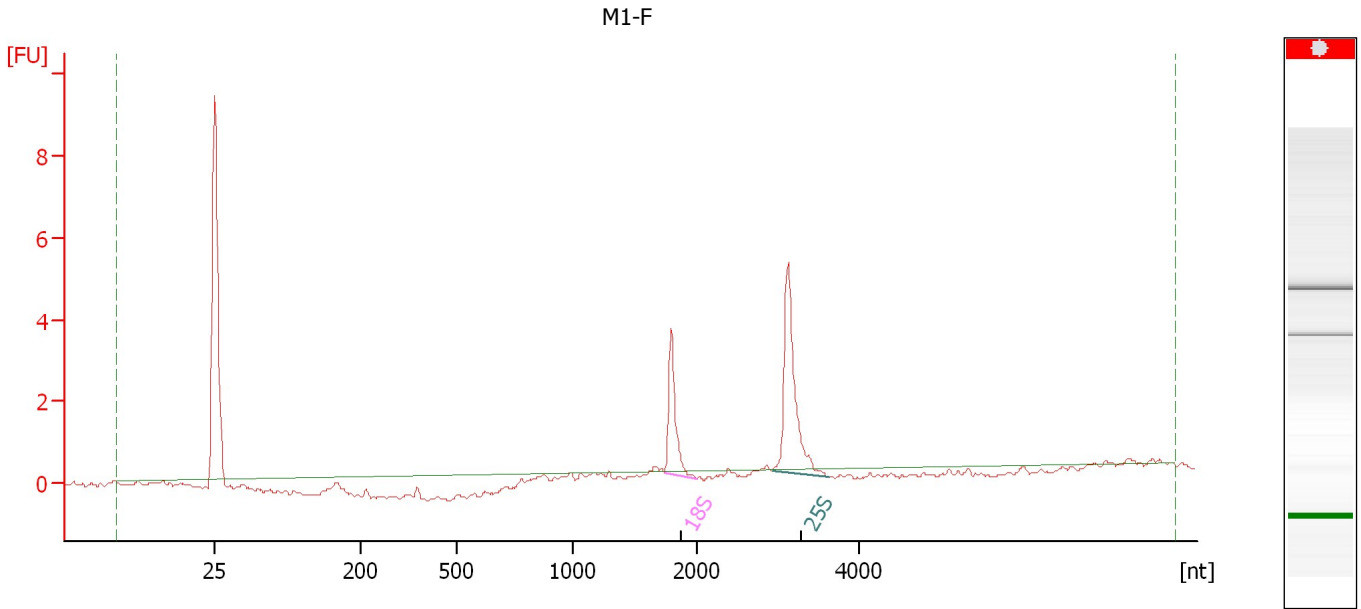
Fragment table for sample 1 : M1-ST

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	1,950	1.8	3.2
25S	2,954	3,638	3.3	5.8

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

Created: 5/5/2017 3:46:27 PM
 Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : M1-F

RNA Area:	8.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.0	Result Flagging Label:	RIN N/A

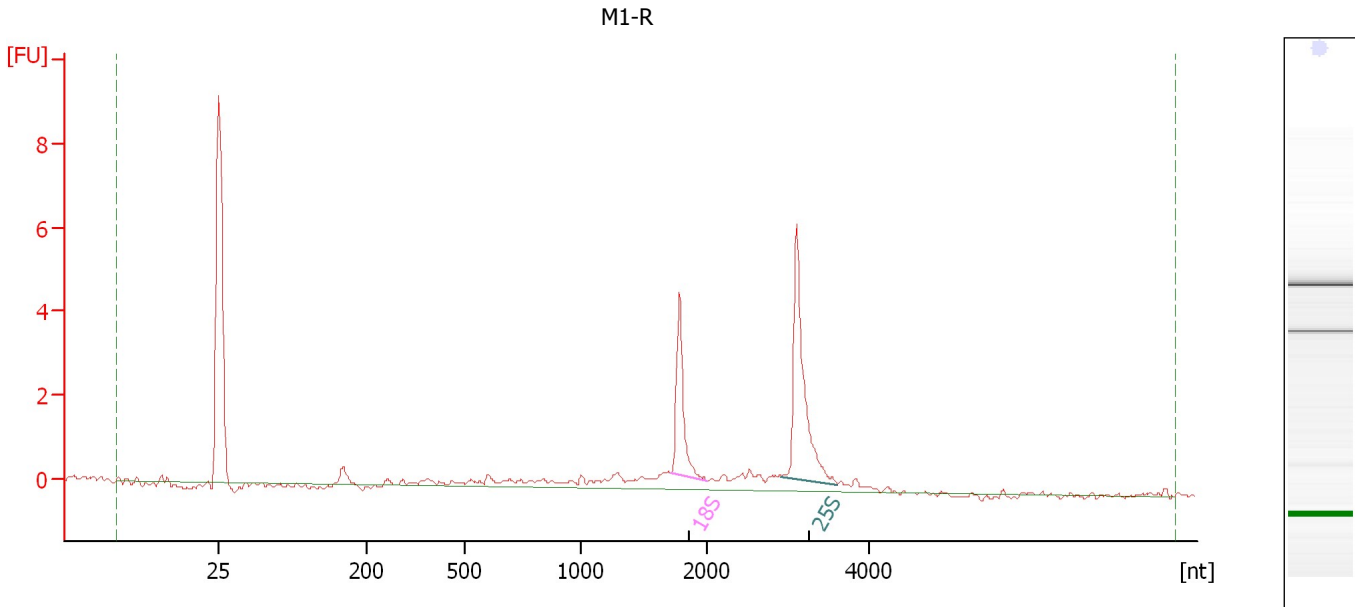
Fragment table for sample 2 : M1-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	1,987	2.8	34.8
25S	2,923	3,628	5.6	68.5

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : M1-R

RNA Area: 21.1 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 14 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.9 Result Flagging Label: RIN: 7.80

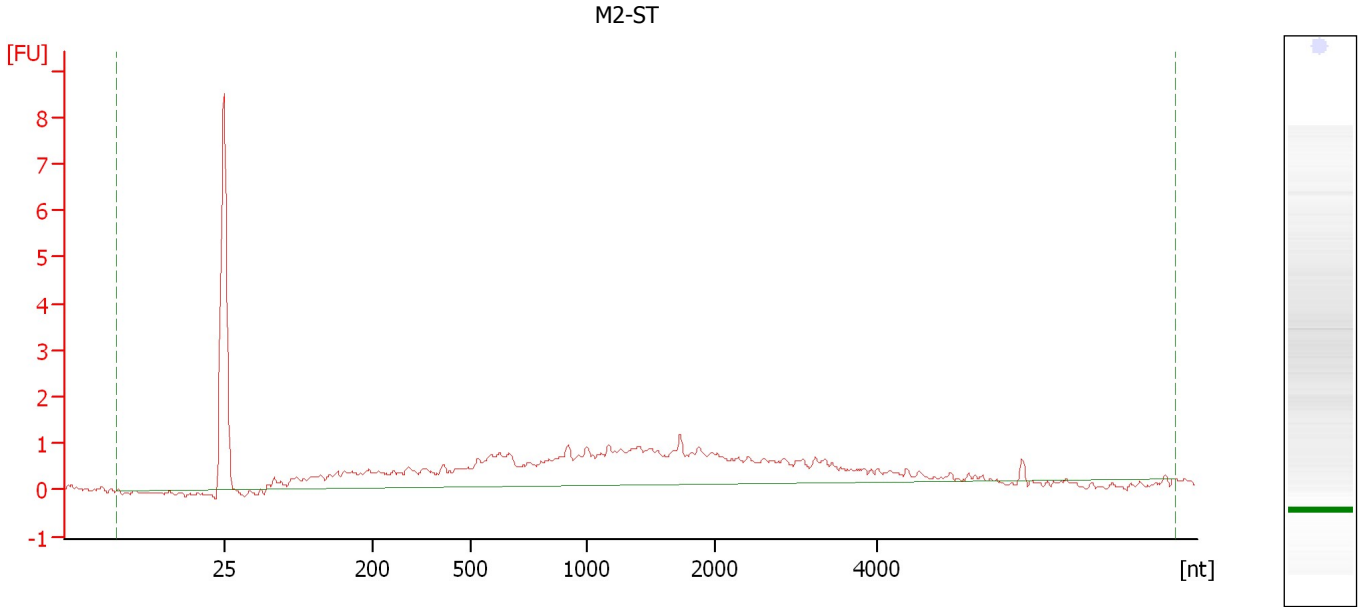
Fragment table for sample 3 : M1-R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	2,023	3.3	15.7
25S	2,932	3,617	6.4	30.1

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



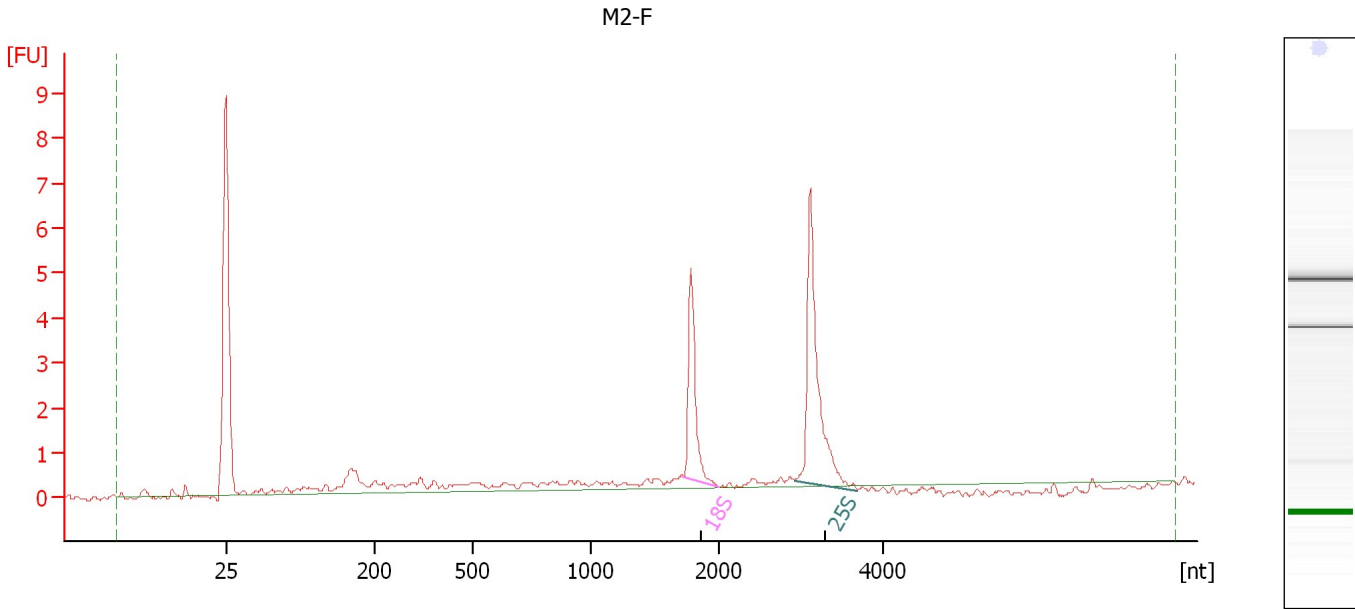
Overall Results for sample 4 : M2-ST

RNA Area:	35.1	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : M2-F

RNA Area: 21.2 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 14 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.0 Result Flagging Label: RIN: 7.90

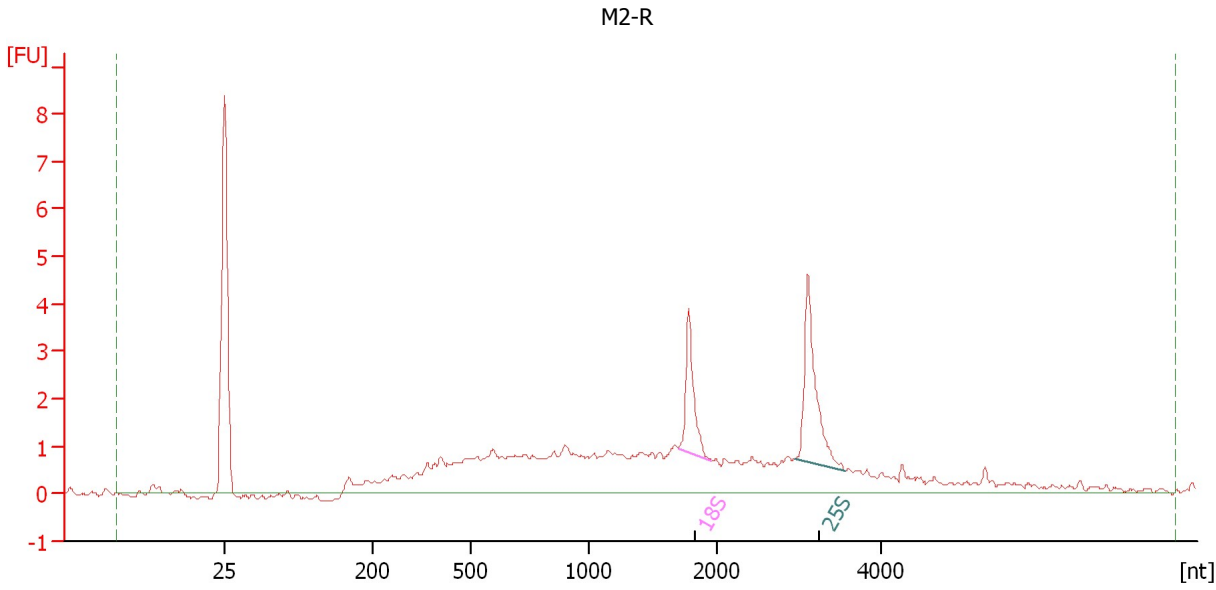
Fragment table for sample 5 : M2-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,001	3.6	16.9
25S	2,926	3,694	7.1	33.6

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

Created: 5/5/2017 3:46:27 PM
 Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : M2-R

RNA Area:	50.7	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	33 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.7	Result Flagging Label:	RIN: 6.40

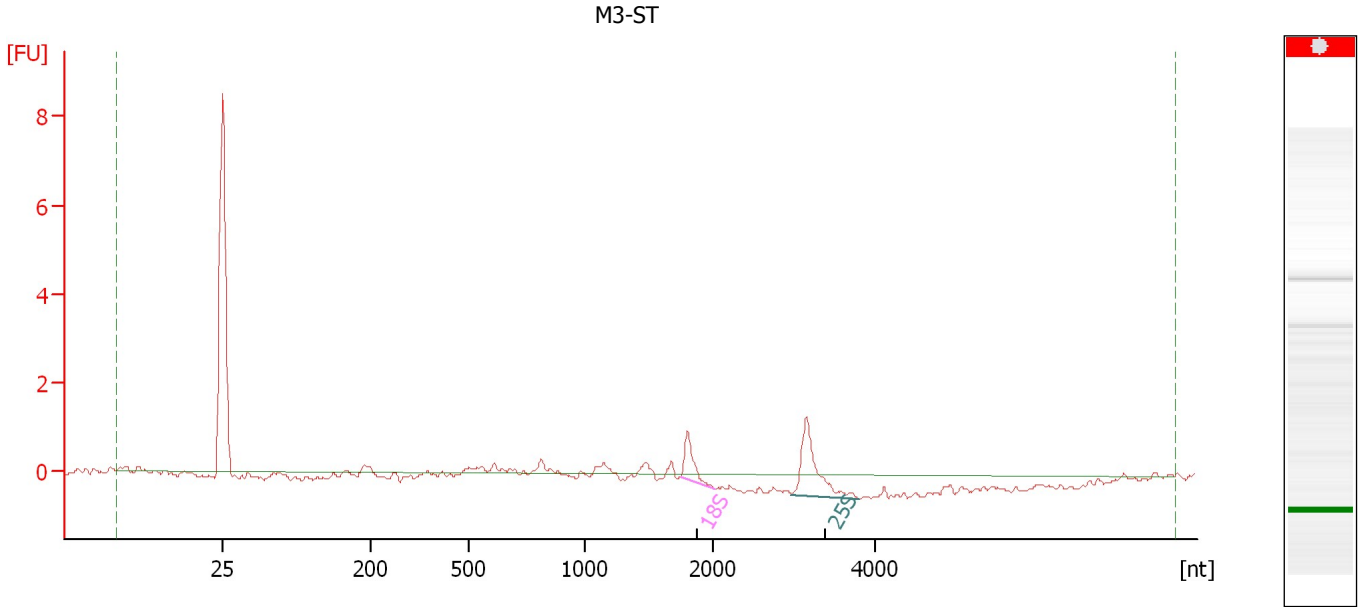
Fragment table for sample 6 : M2-R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	1,958	2.7	5.3
25S	2,953	3,566	4.6	9.1

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : M3-ST

RNA Area:	4.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.4	Result Flagging Label:	RIN N/A

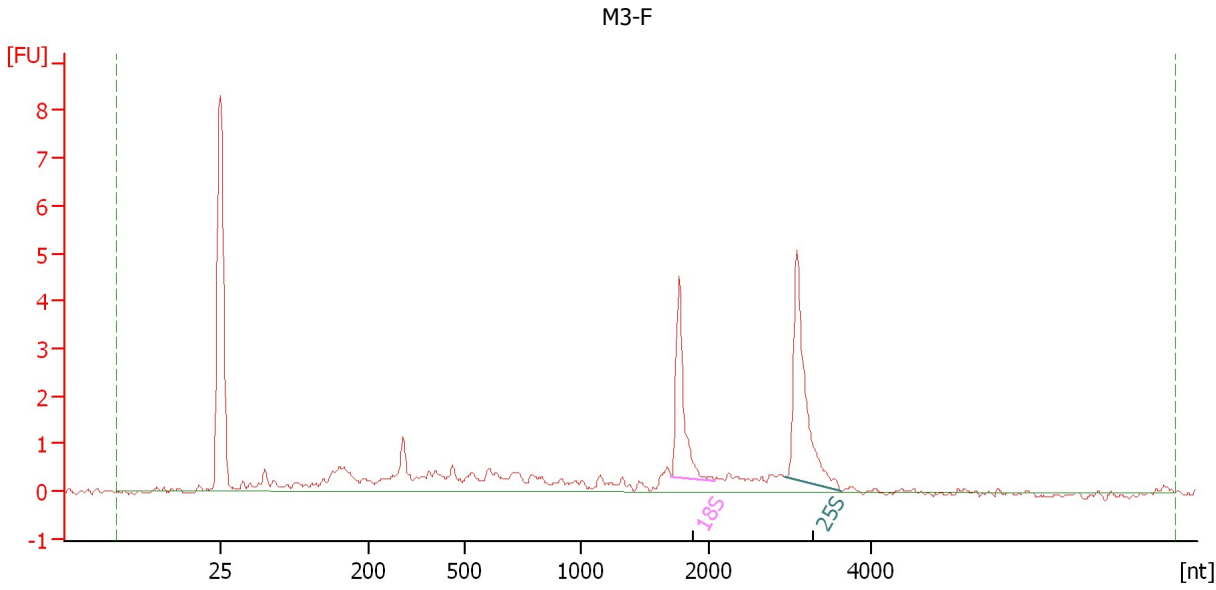
Fragment table for sample 7 : M3-ST

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,025	1.1	26.6
25S	2,968	3,793	2.7	63.5

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

Created: 5/5/2017 3:46:27 PM
 Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : M3-F

RNA Area:	30.5	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	20 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 7.50

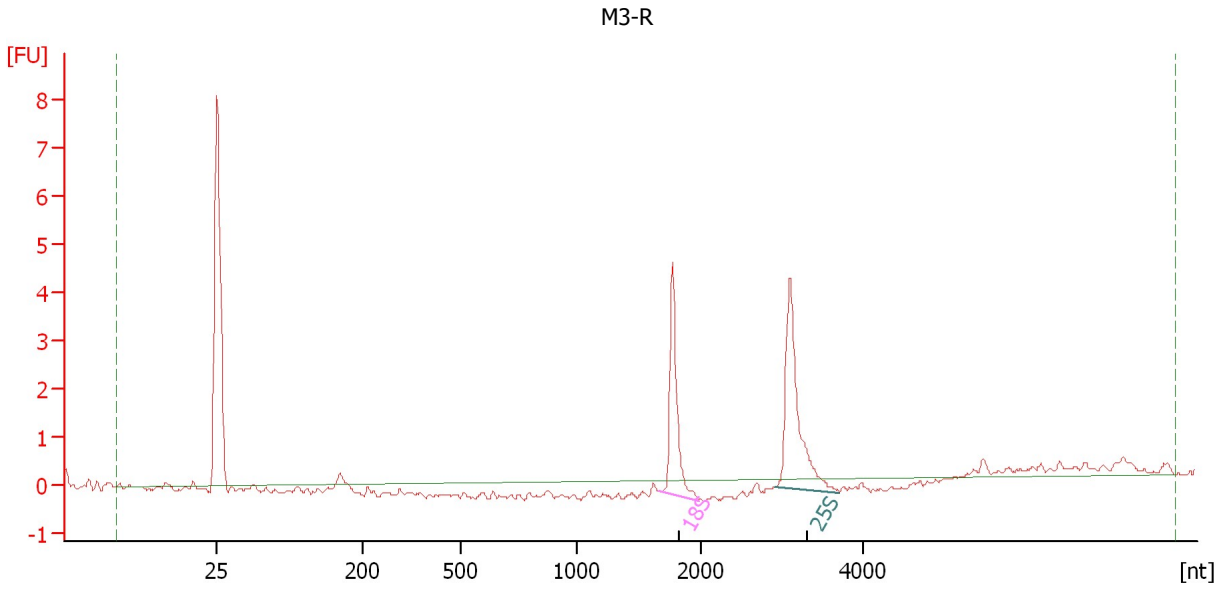
Fragment table for sample 8 : M3-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,076	3.7	12.0
25S	2,944	3,628	6.0	19.5

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

Created: 5/5/2017 3:46:27 PM
 Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : M3-R

RNA Area:	10.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN N/A

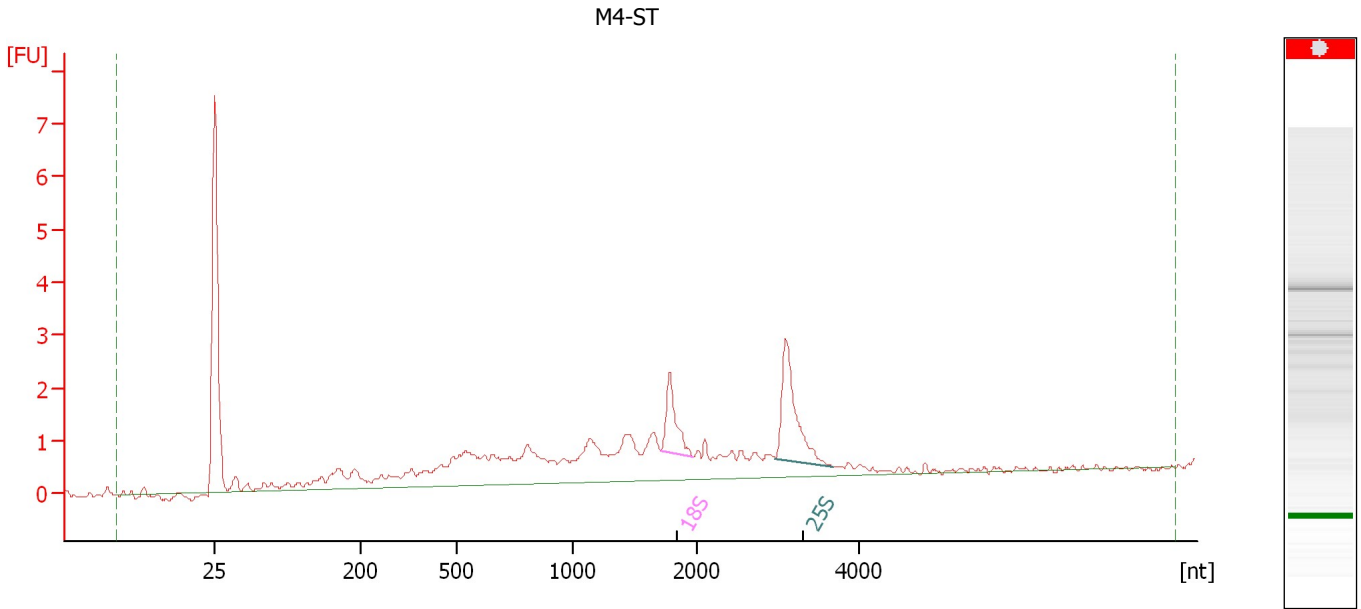
Fragment table for sample 9 : M3-R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	1,971	4.0	37.1
25S	2,908	3,702	5.7	53.0

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

Created: 5/5/2017 3:46:27 PM
 Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : M4-ST

RNA Area:	35.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.9	Result Flagging Label:	RIN N/A

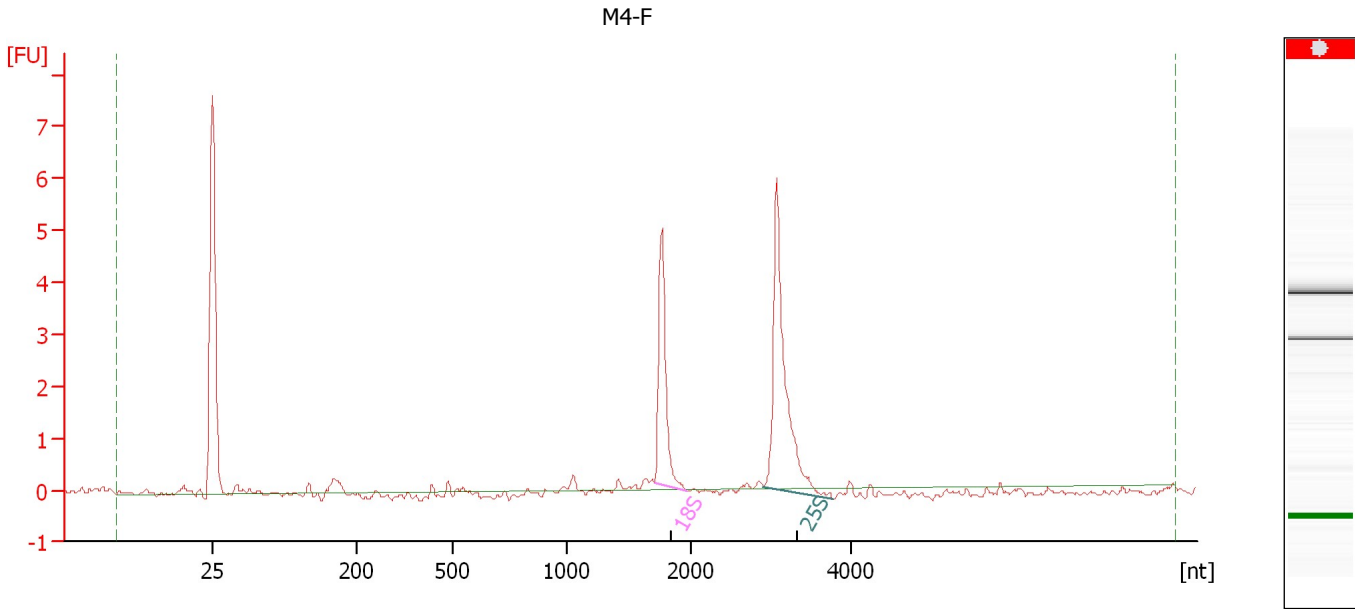
Fragment table for sample 10 : M4-ST

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	1,961	1.8	5.1
25S	2,963	3,694	3.4	9.6

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : M4-F

RNA Area: 13.6 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 9 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN N/A

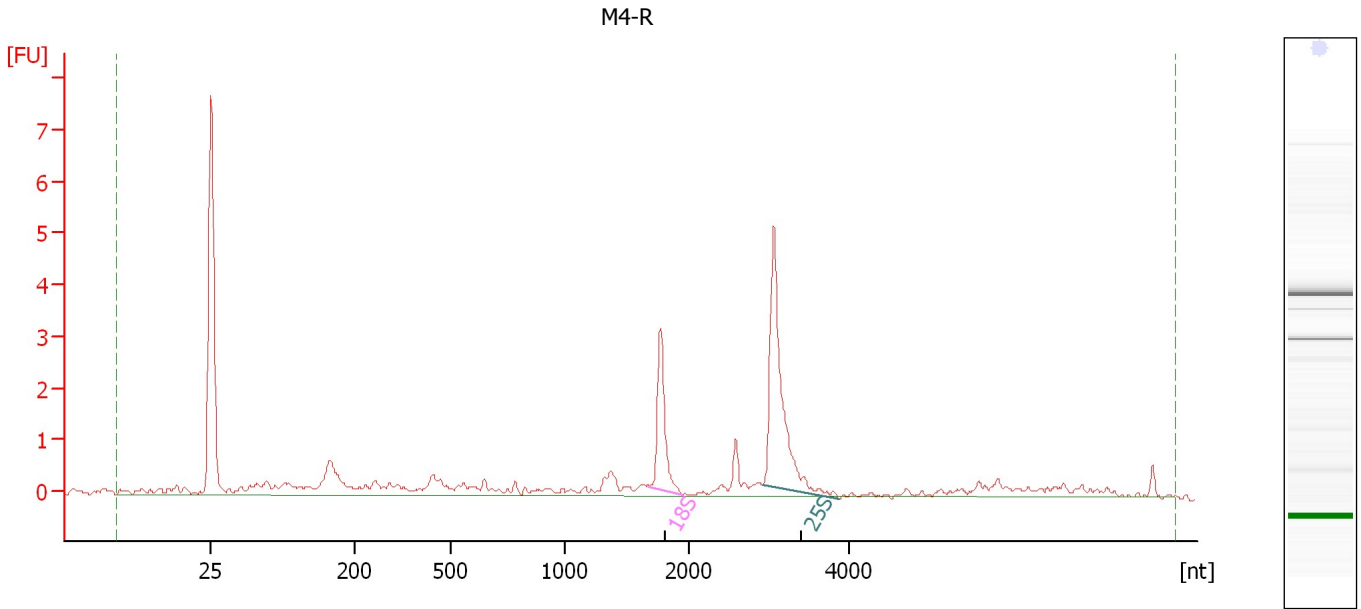
Fragment table for sample 11 : M4-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	1,959	4.0	29.2
25S	2,900	3,769	7.3	53.5

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : M4-R

RNA Area: 25.6 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 17 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.4 Result Flagging Label: RIN: 8.60

Fragment table for sample 12 : M4-R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	1,941	2.6	10.1
25S	2,914	3,879	6.2	24.1

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

Created: 5/5/2017 3:46:27 PM
Modified: 5/5/2017 4:10:21 PM

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