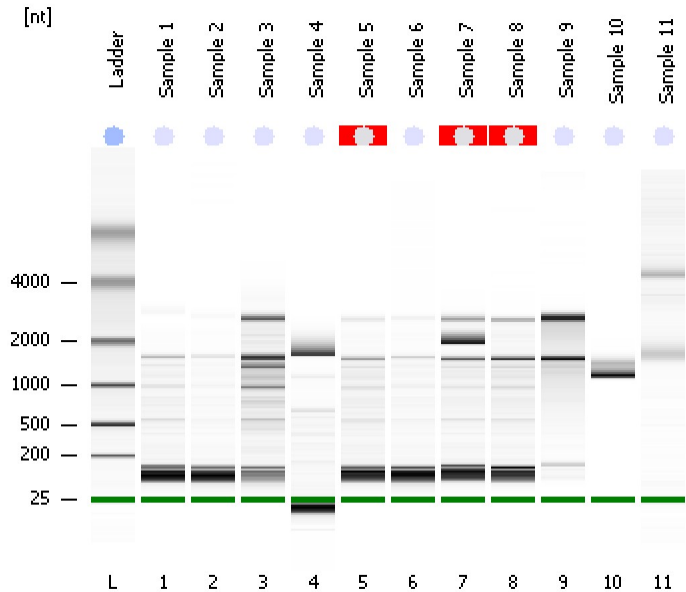


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 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 Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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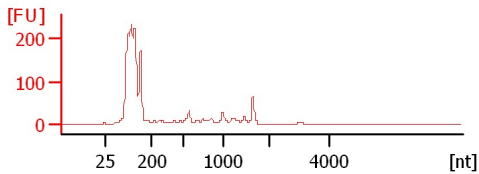
Chip Information:

Chip Lot #:

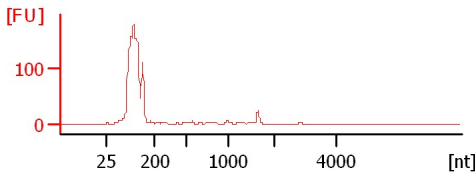
Reagent Kit Lot #:

Chip Comments:

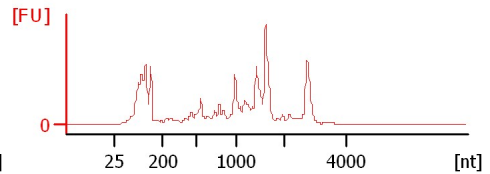
Sample 1
RIN: 3



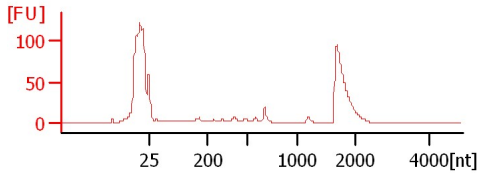
Sample 2
RIN: 2.70



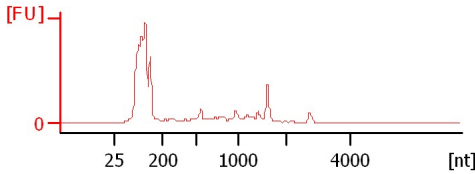
Sample 3
RIN: 5.90



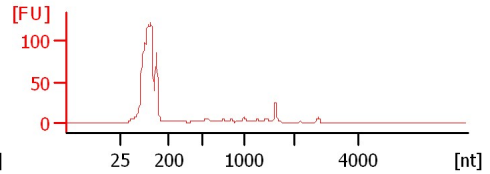
Sample 4
RIN: 8.70



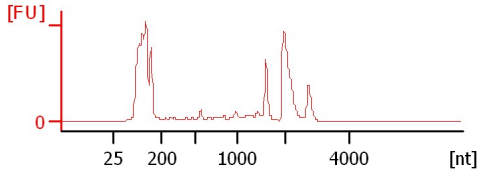
Sample 5
RIN N/A



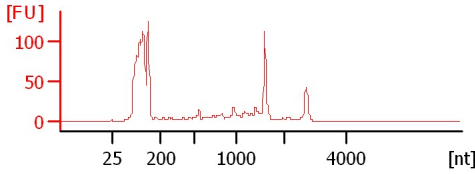
Sample 6
RIN: 2.80



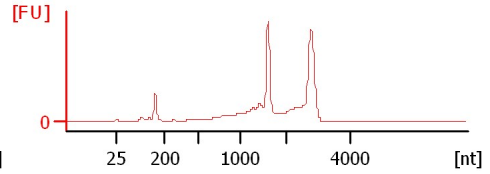
Sample 7
RIN N/A



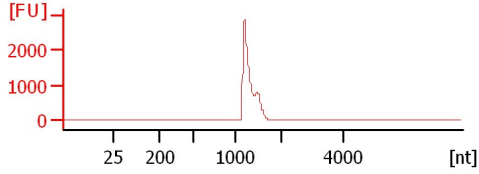
Sample 8
RIN N/A



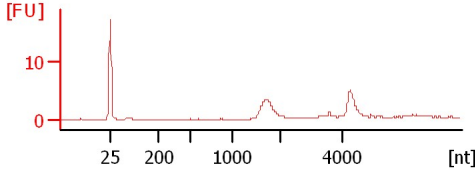
Sample 9
RIN: 7.40



Sample 10
RIN: 2.20



Sample 11
RIN: 10



Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:3	
Sample 2		✓	RIN: 2.70	
Sample 3		✓	RIN: 5.90	
Sample 4		✓	RIN: 8.70	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN: 2.80	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 7.40	
Sample 10		✓	RIN: 2.20	
Sample 11		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

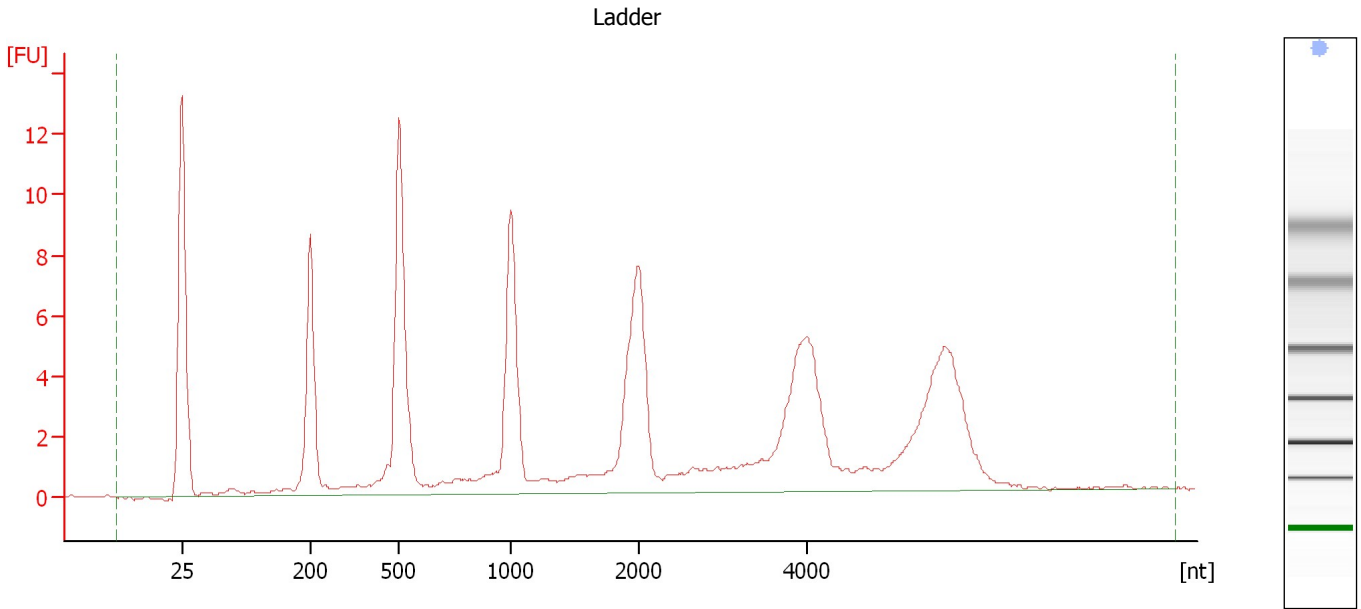
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary



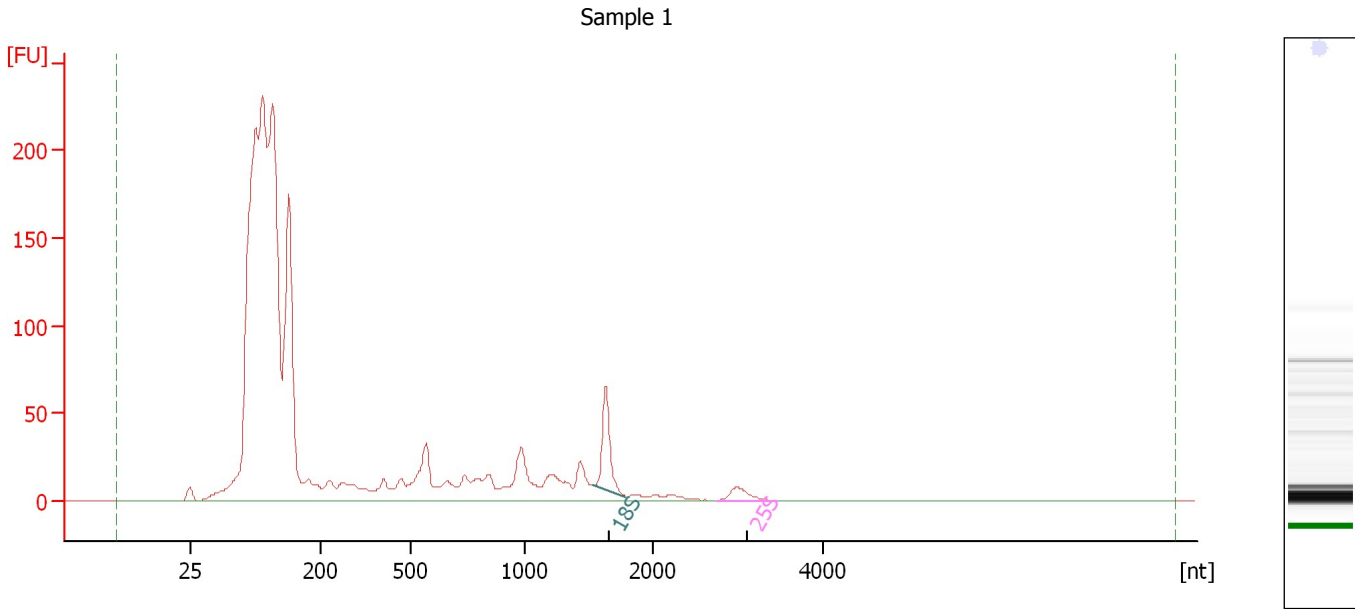
Overall Results for Ladder

RNA Area:	131.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area: 2,139.0 RNA Integrity Number (RIN): 3 (B.02.08)
RNA Concentration: 16,251 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.3 Result Flagging Label: RIN:3

Fragment table for sample 1 : Sample 1

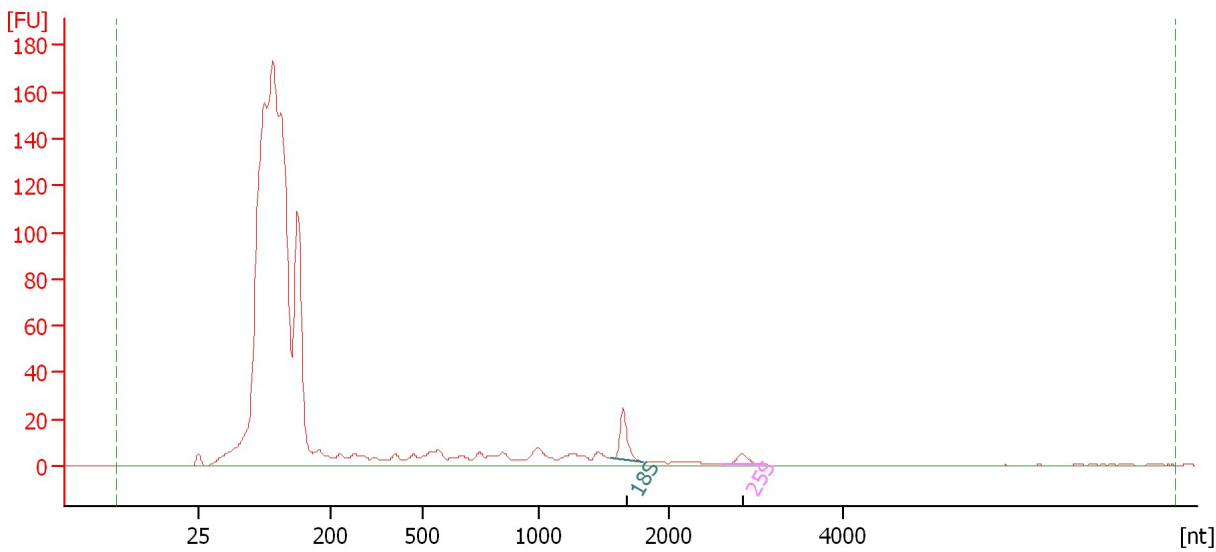
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,787	58.6	2.7
25S	2,757	3,459	15.4	0.7

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

RNA Area: 1,329.7 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 10,102 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.3 Result Flagging Label: RIN: 2.70

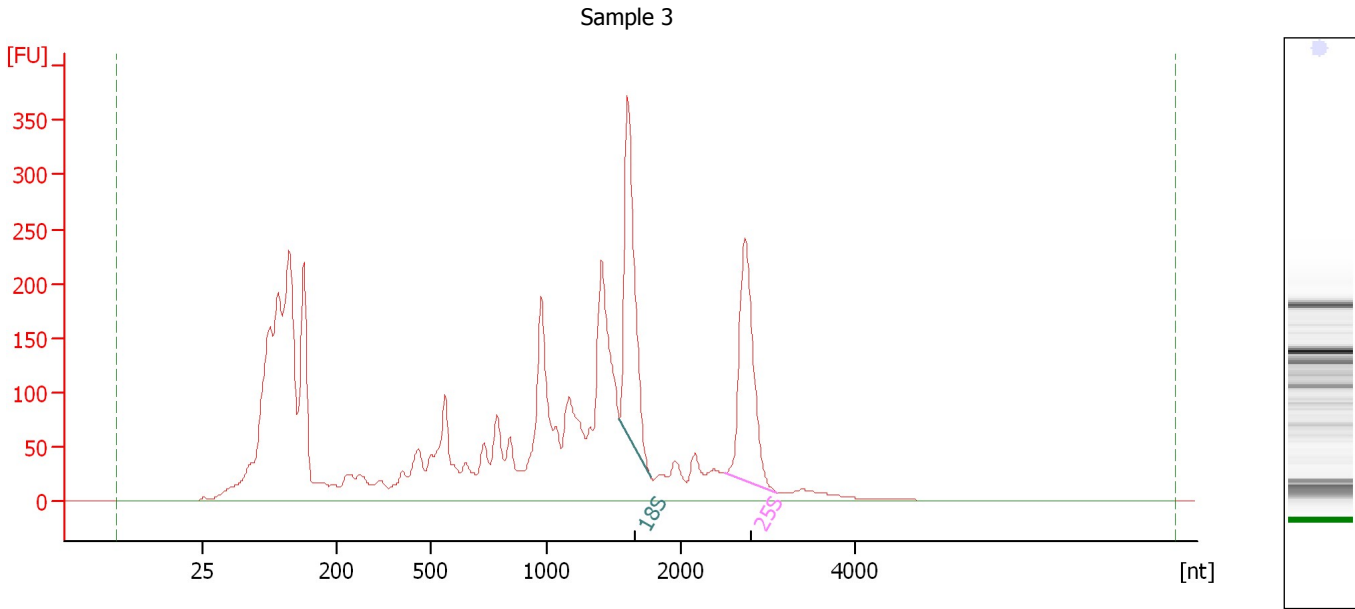
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,803	20.3	1.5
25S	2,626	3,107	5.6	0.4

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	4,653.5	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	35,355 pg/ μ l	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 5.90

Fragment table for sample 3 : Sample 3

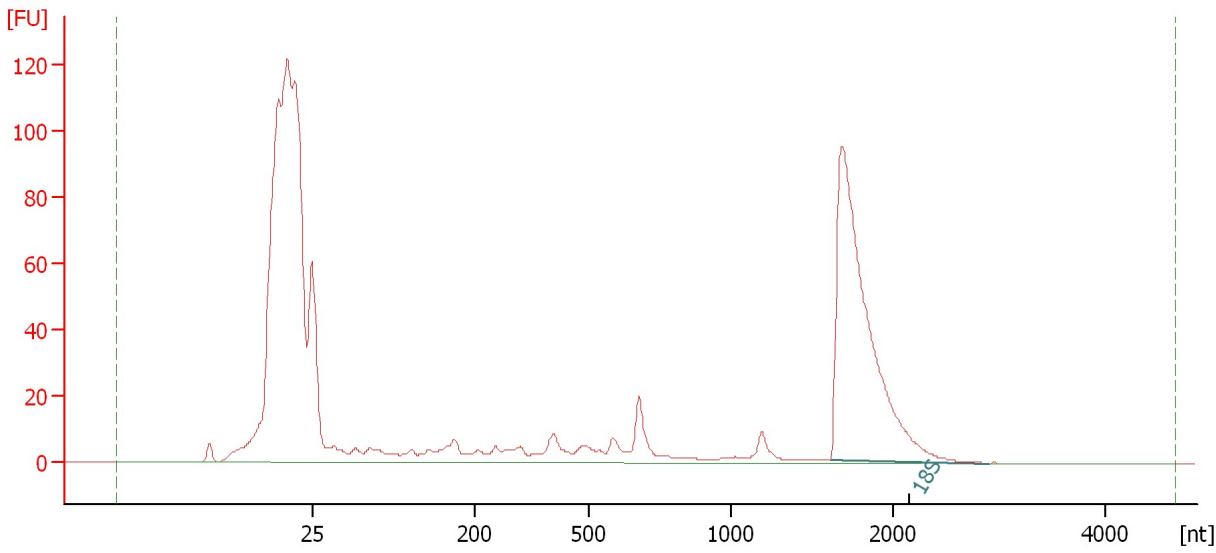
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,775	384.0	8.3
25S	2,513	3,110	342.4	7.4

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

RNA Area:	1,214.0	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	9,223 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 8.70

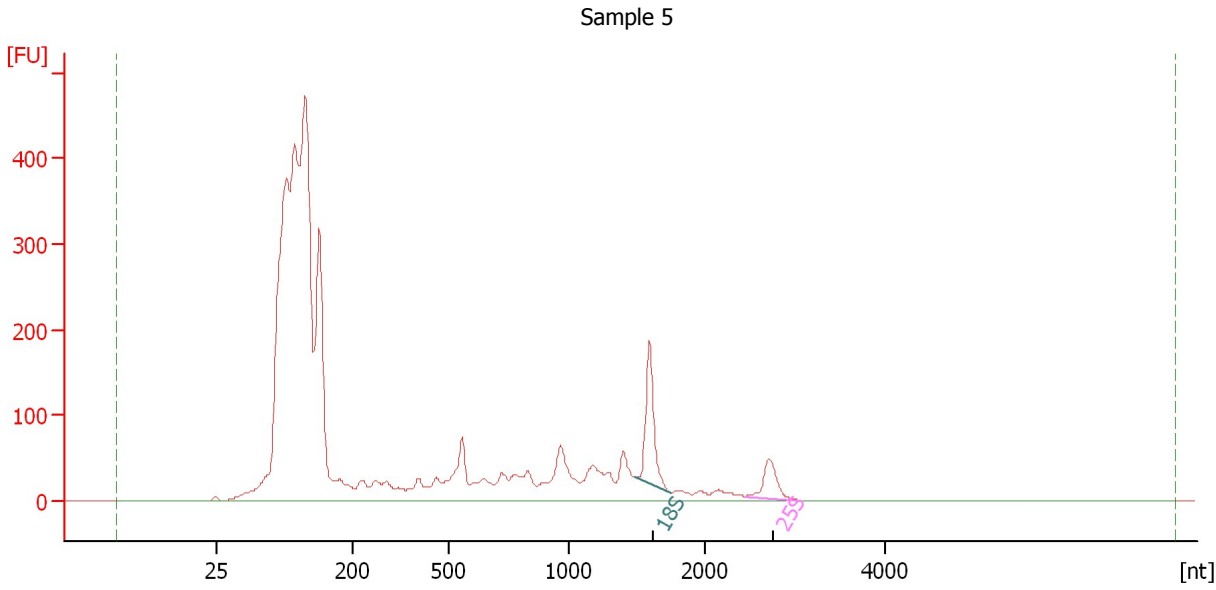
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	2,907	288.6	23.8

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	4,380.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	33,284 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 5

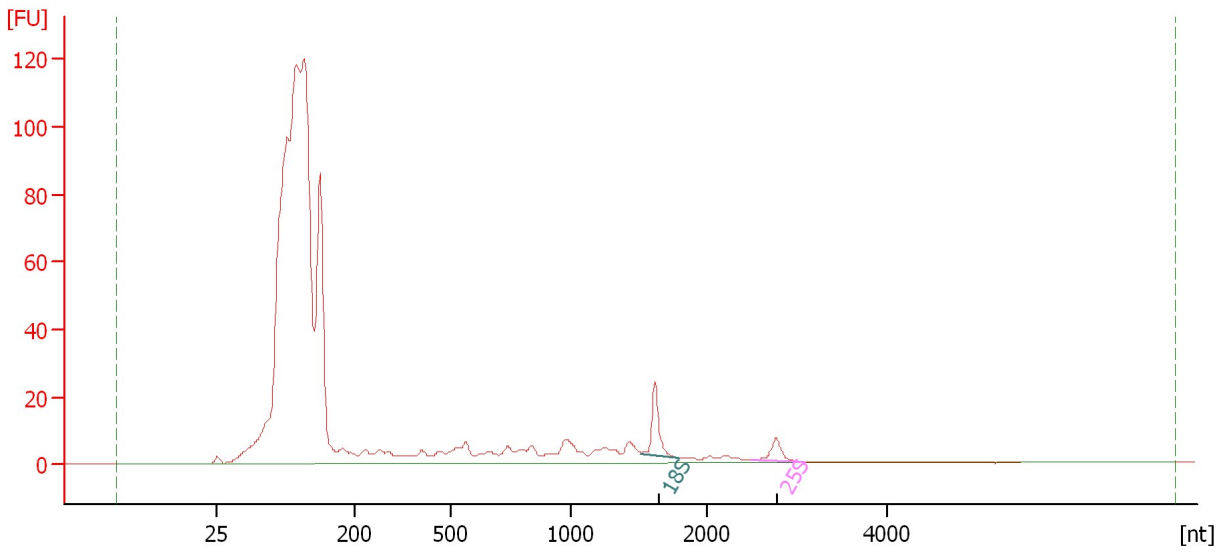
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,479	1,746	163.1	3.7
25S	2,436	3,078	63.1	1.4

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

RNA Area:	981.9	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	7,460 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 2.80

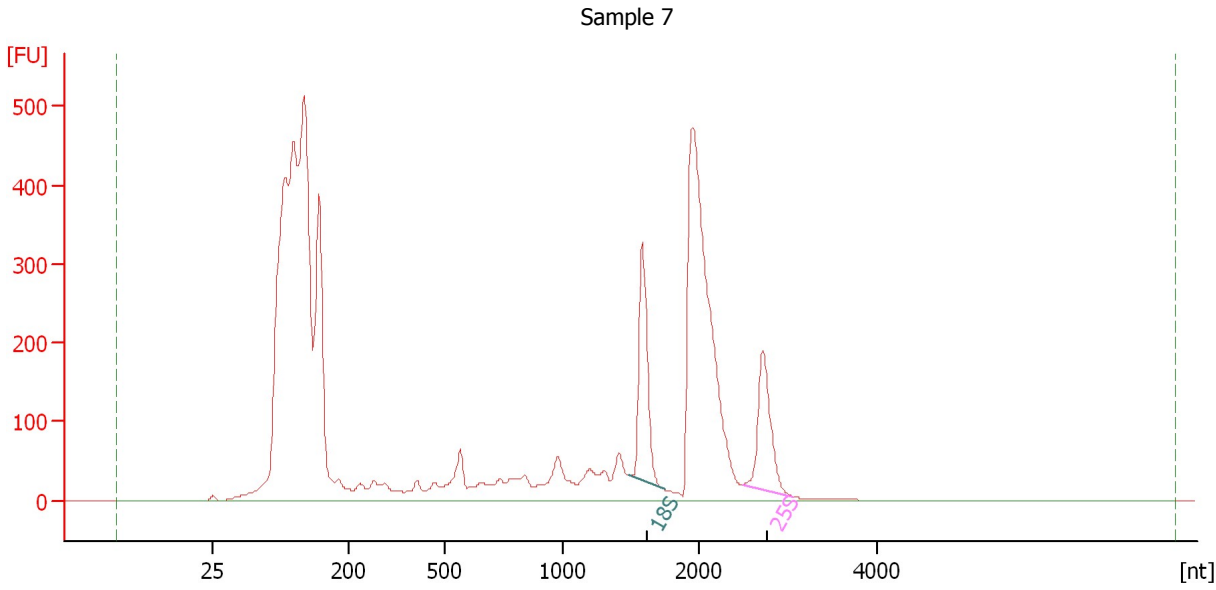
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,786	18.3	1.9
25S	2,495	3,077	7.7	0.8


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	6,136.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	46,619 pg/ μ l	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN N/A

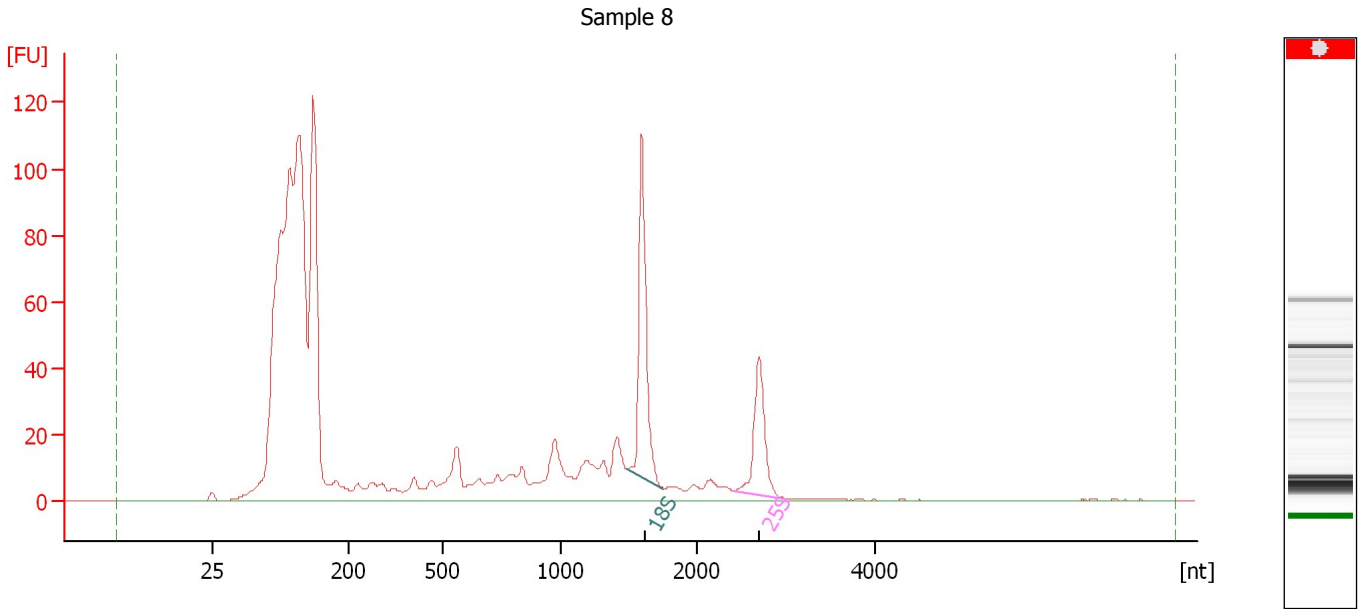
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,483	1,743	305.6	5.0
25S	2,485	3,059	243.4	4.0

Assay Class: Plant RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
 Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	1,196.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9,090 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.5	Result Flagging Label:	RIN N/A

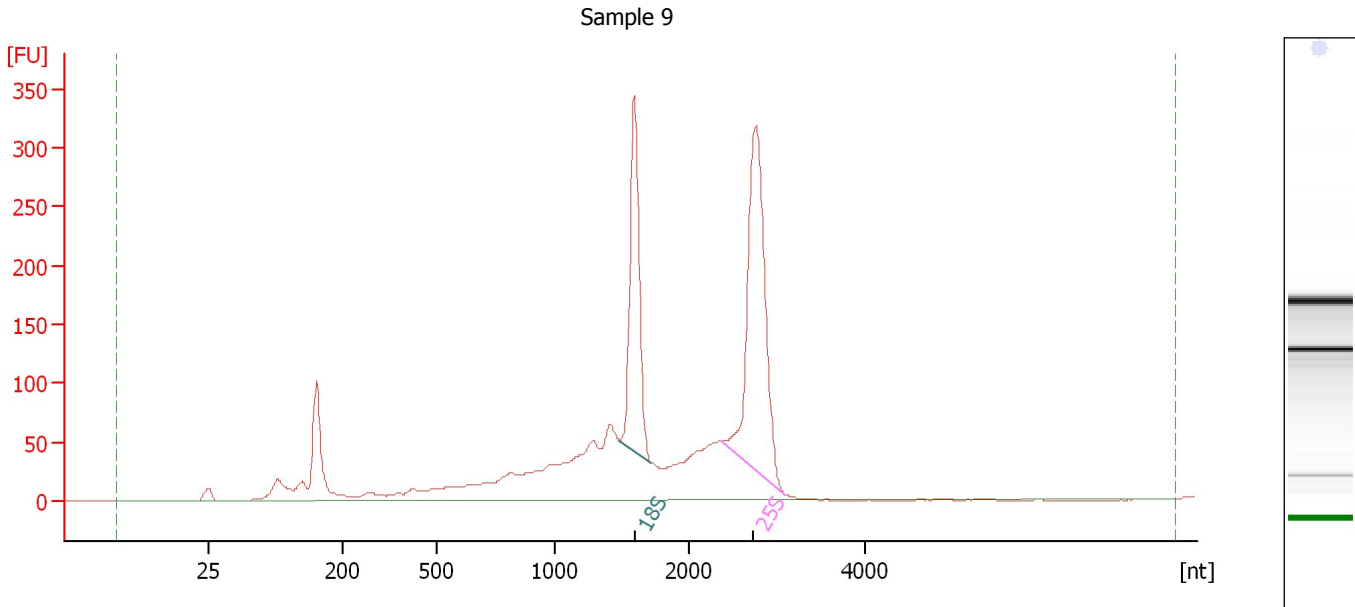
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,750	87.4	7.3
25S	2,401	2,989	47.8	4.0

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	2,368.3	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	17,993 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 7.40

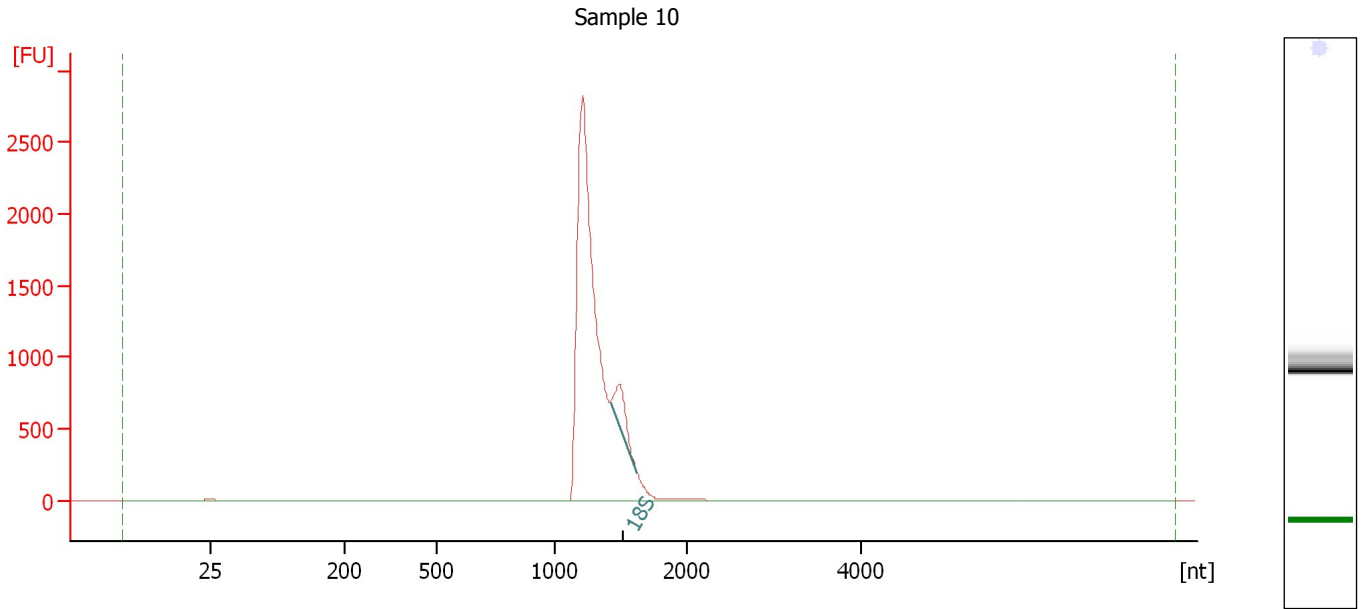
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,483	1,722	348.3	14.7
25S	2,378	3,091	551.7	23.3

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	8,371.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	63,601 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 10 : Sample 10

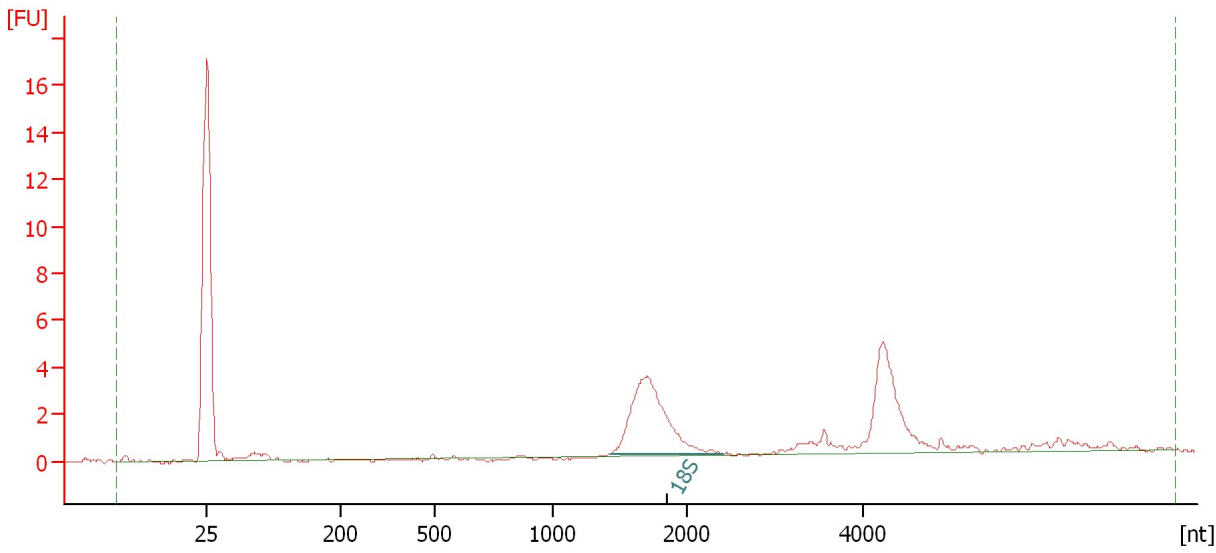
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,424	1,624	401.0	4.8

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
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Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	35.3	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	268 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:10

Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,434	2,414	14.3	40.6

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-02\2017-11-02_002.xad

Created: 11/2/2017 3:19:07 PM
Modified: 11/2/2017 3:41:03 PM

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