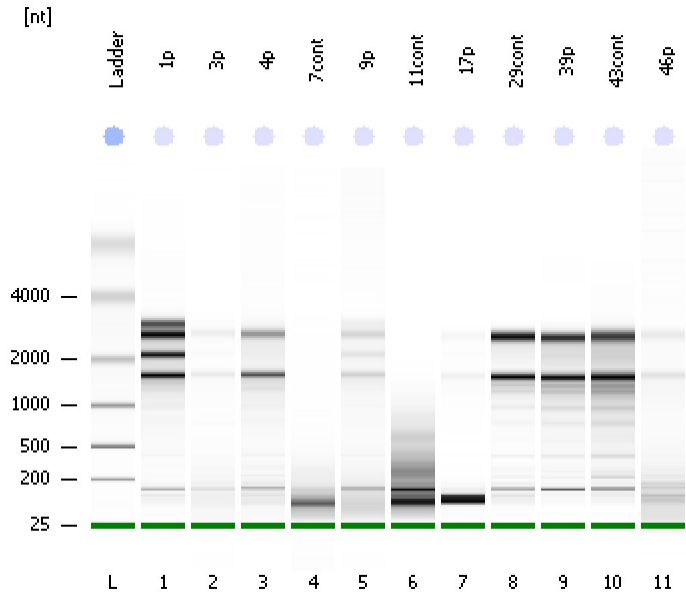


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 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 Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

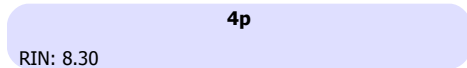
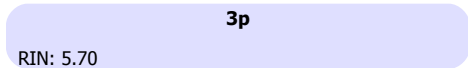
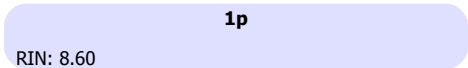
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1p		✓	RIN: 8.60	
3p		✓	RIN: 5.70	
4p		✓	RIN: 8.30	
7cont		✓	RIN: 2.60	
9p		✓	RIN: 4.30	
11cont		✓	RIN: 2.10	
17p		✓	RIN: 2.80	
29cont		✓	RIN: 8.60	
39p		✓	RIN: 7.30	
43cont		✓	RIN: 6.90	
46p		✓	RIN: 3.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

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

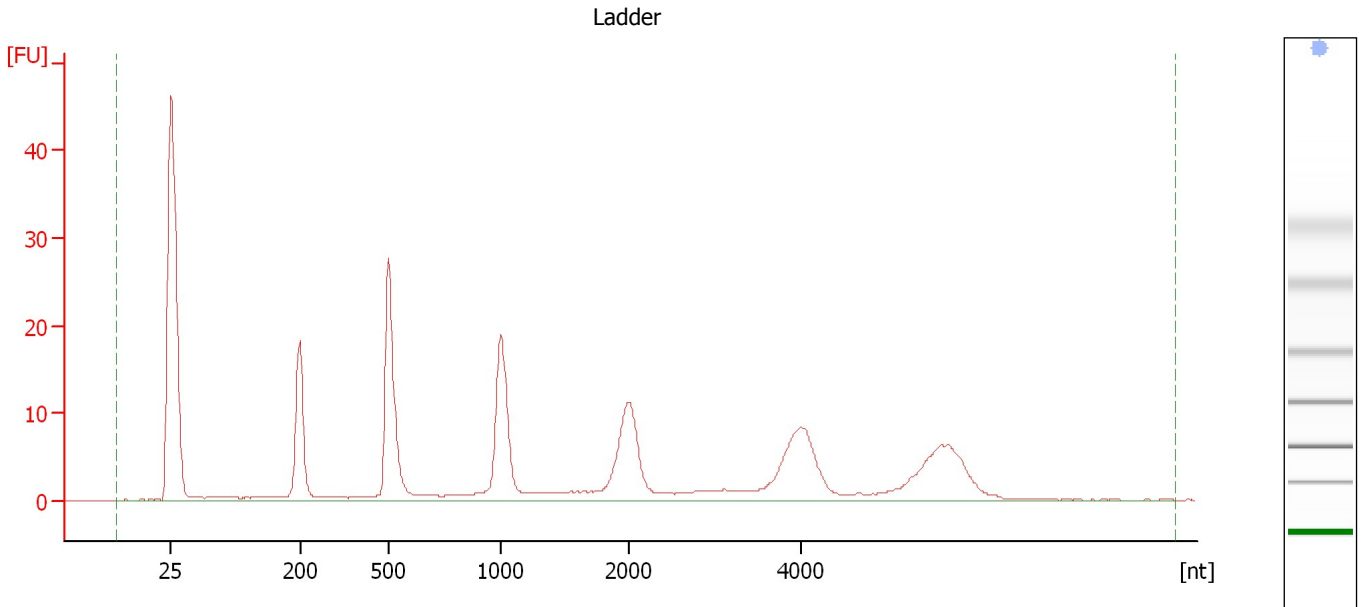
Ladder

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\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary



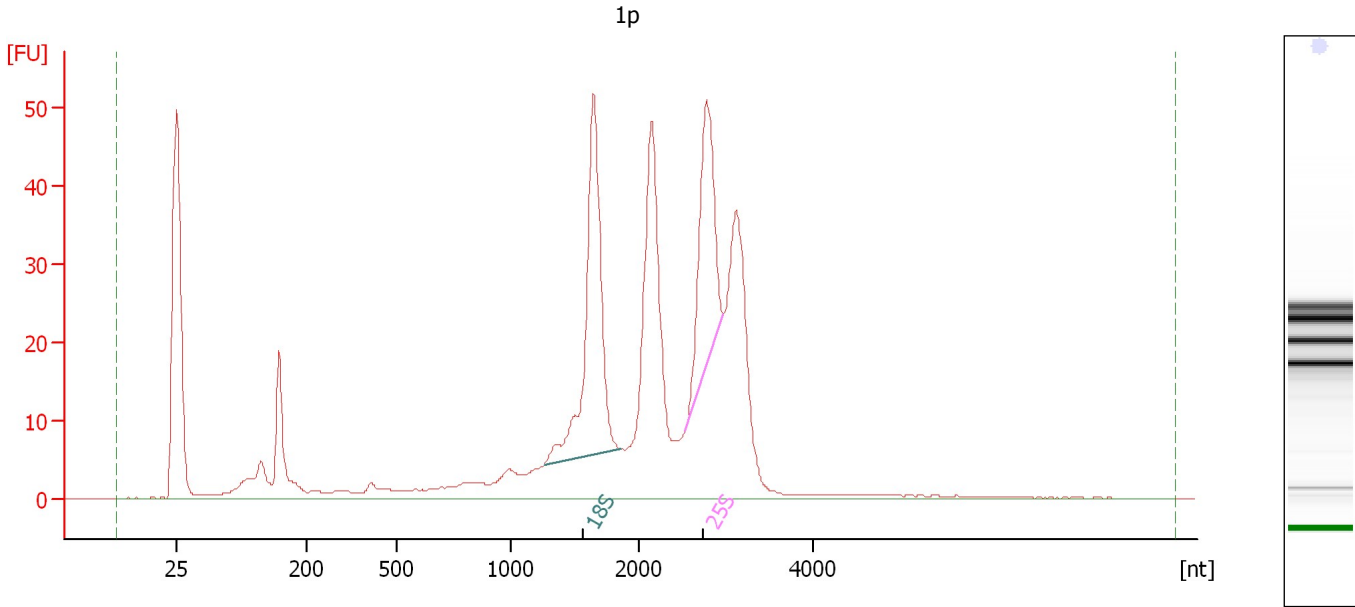
Overall Results for Ladder

RNA Area:	228.0	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\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1p

RNA Area: 562.7 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 2,468 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.6 Result Flagging Label: RIN: 8.60

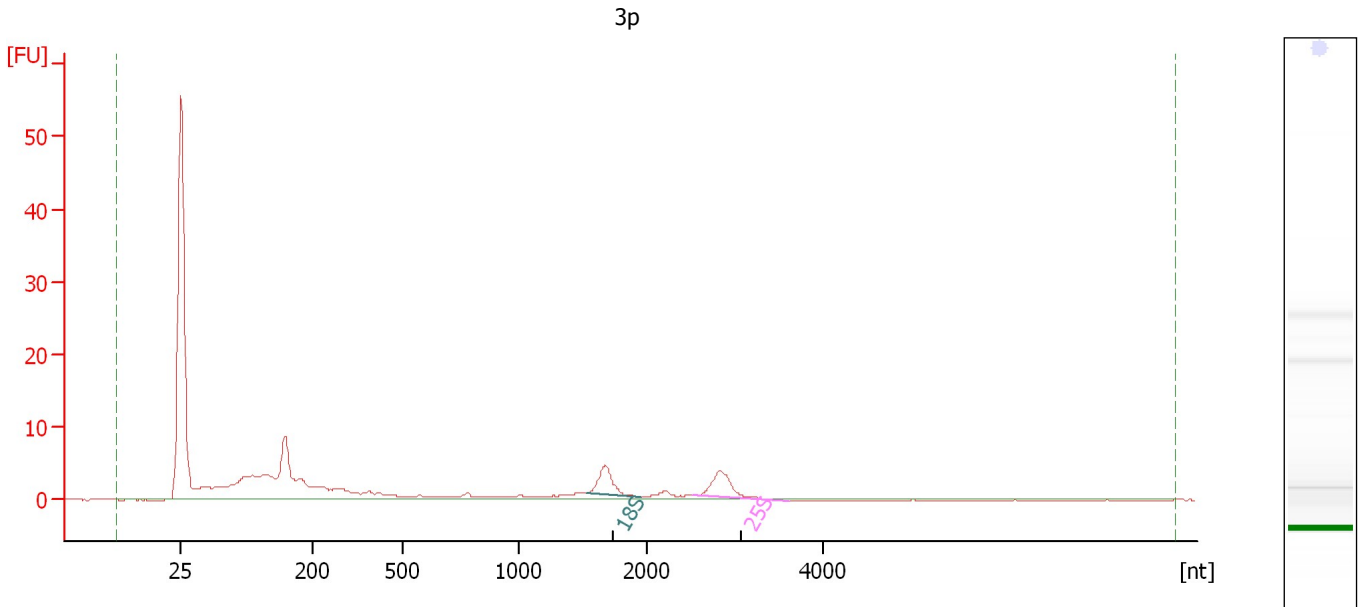
Fragment table for sample 1 : 1p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,261	1,851	90.5	16.1
25S	2,529	2,959	56.5	10.0

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 3p

RNA Area: 110.1 RNA Integrity Number (RIN): 5.7 (B.02.08)
RNA Concentration: 483 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.2 Result Flagging Label: RIN: 5.70

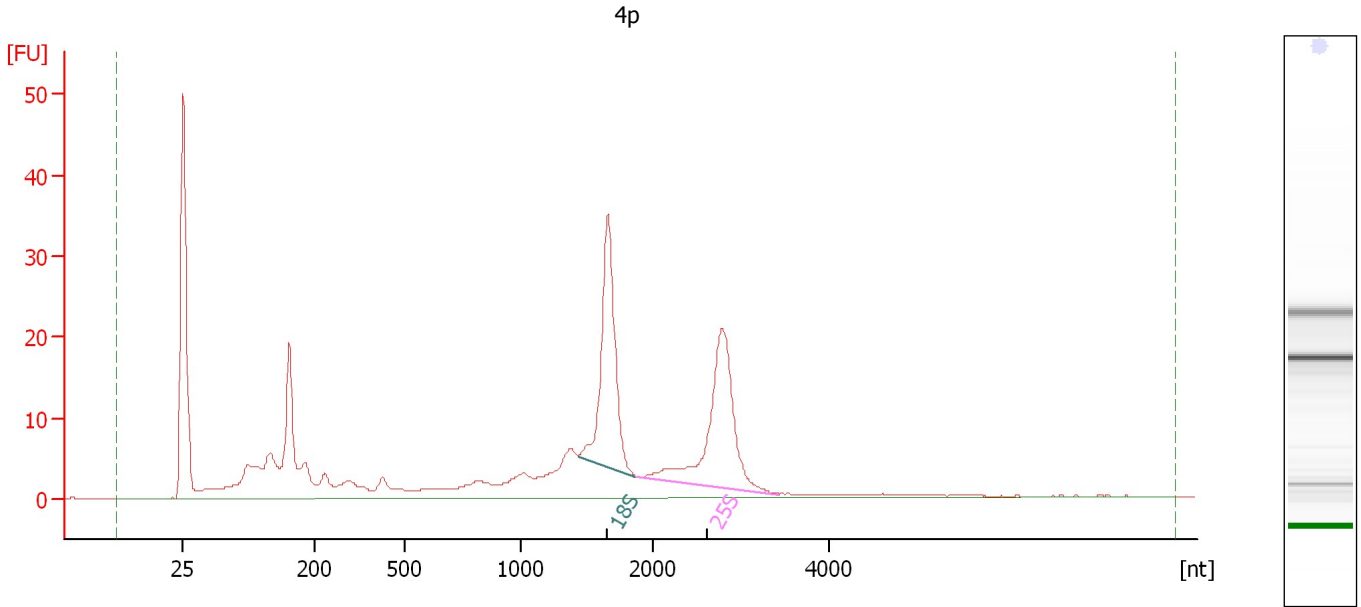
Fragment table for sample 2 : 3p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	1,944	6.9	6.3
25S	2,514	3,598	8.5	7.7

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 4p

RNA Area:	303.4	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,331 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

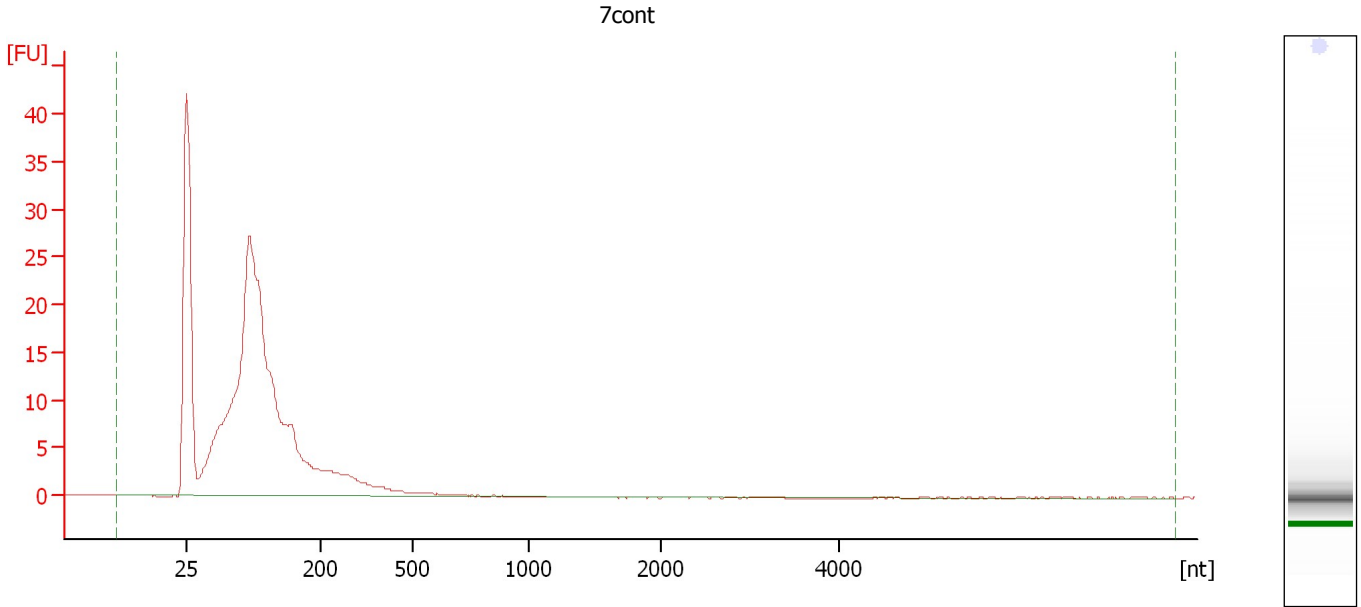
Fragment table for sample 3 : 4p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,436	1,871	53.7	17.7
25S	1,887	3,446	54.7	18.0

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



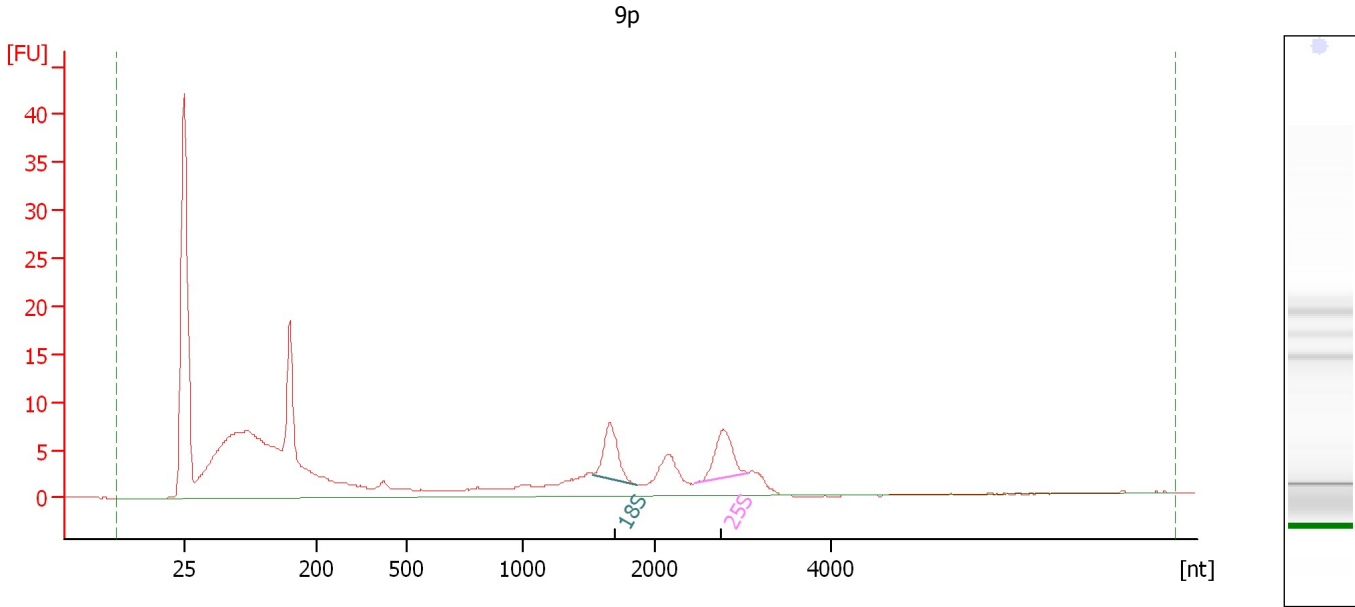
Overall Results for sample 4 : 7cont

RNA Area:	237.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,044 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9p

RNA Area:	216.1	RNA Integrity Number (RIN):	4.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	948 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.0	Result Flagging Label:	RIN: 4.30

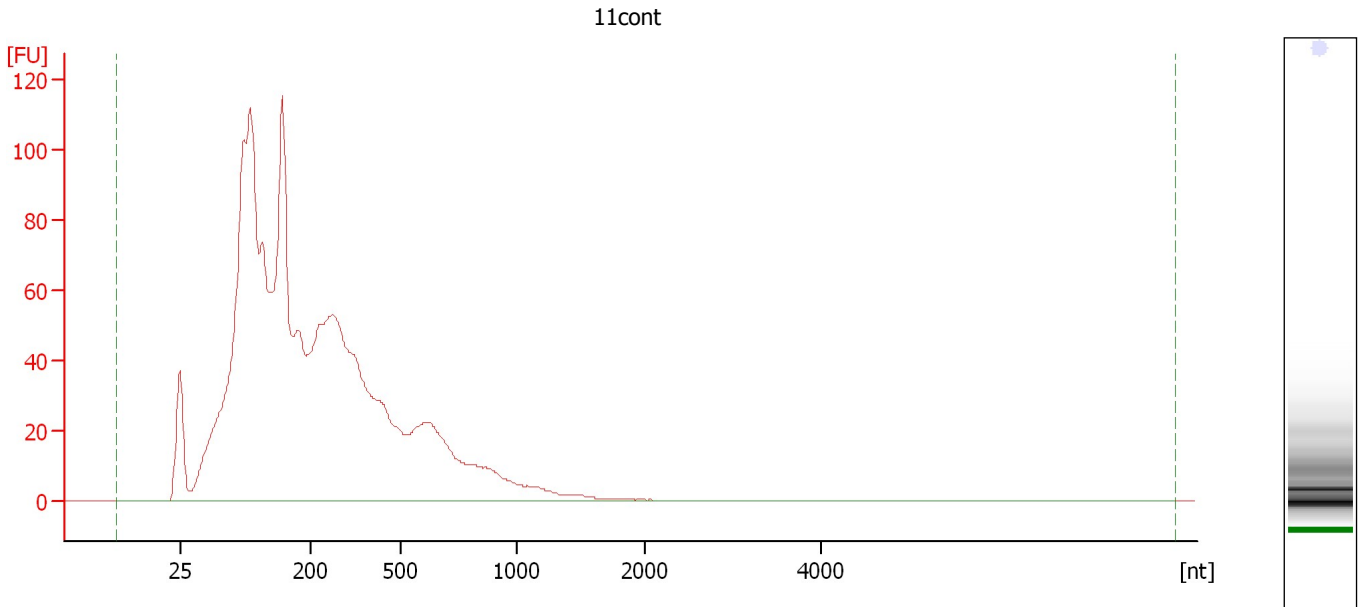
Fragment table for sample 5 : 9p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,863	10.1	4.7
25S	2,451	3,068	10.1	4.7

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



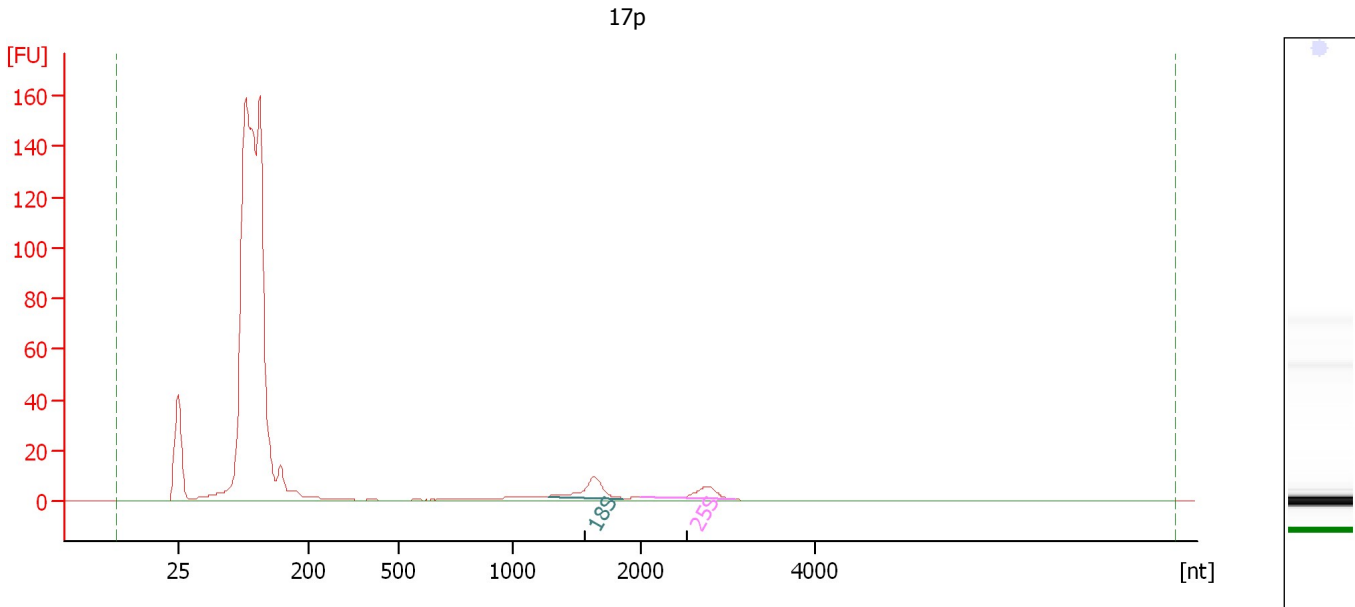
Overall Results for sample 6 : 11cont

RNA Area:	1,898.4	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	8,328 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
 Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17p

RNA Area:	851.7	RNA Integrity Number (RIN):	2.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,736 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.7	Result Flagging Label:	RIN: 2.80

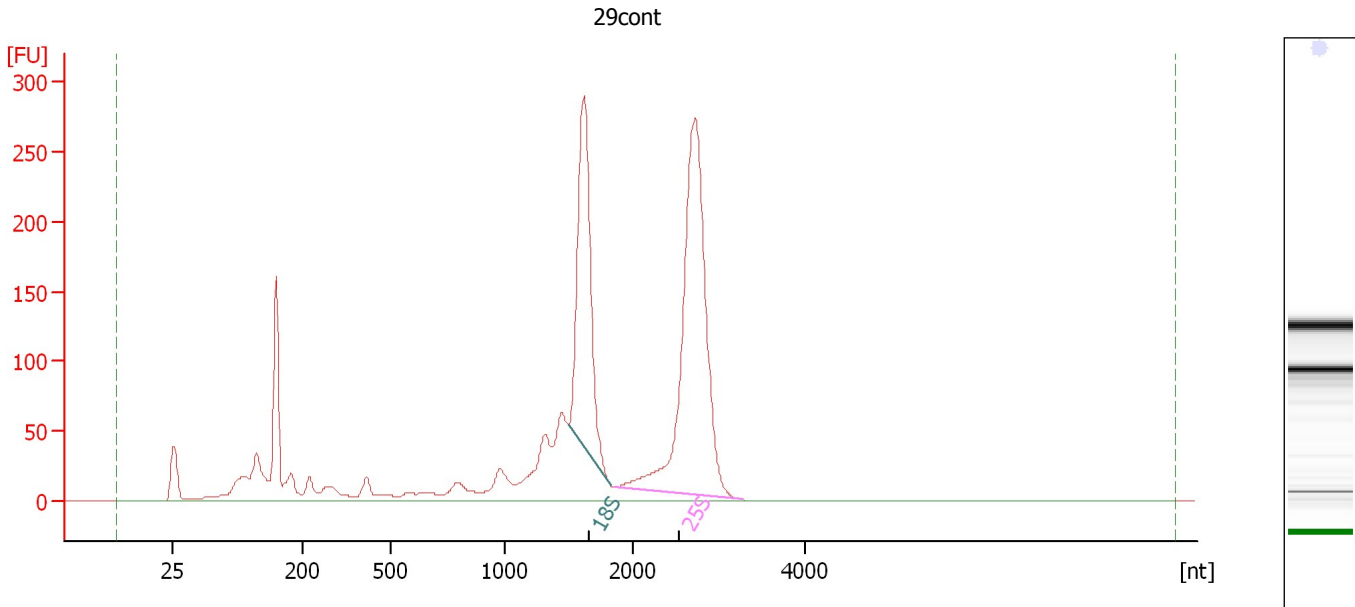
Fragment table for sample 7 : 17p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,288	1,852	18.0	2.1
25S	1,993	3,080	13.1	1.5

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : 29cont

RNA Area:	2,216.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	9,724 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

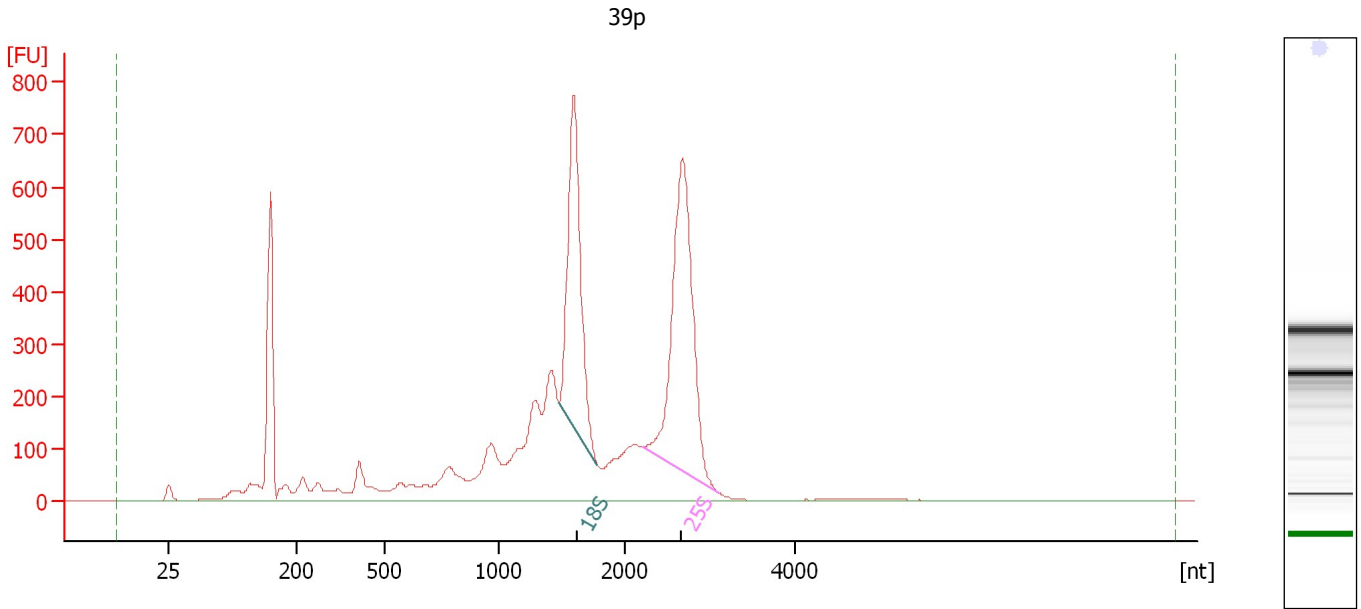
Fragment table for sample 8 : 29cont

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,824	423.8	19.1
25S	1,858	3,274	733.0	33.1

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 39p

RNA Area: 6,995.8 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 30,688 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.3 Result Flagging Label: RIN: 7.30

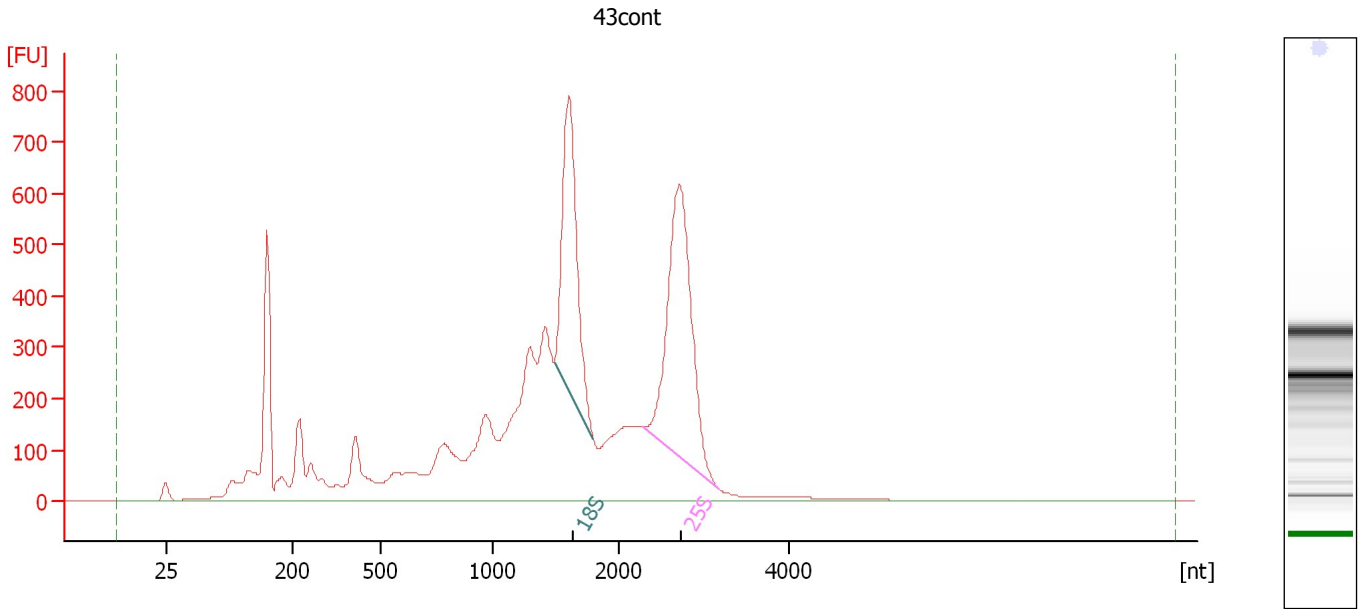
Fragment table for sample 9 : 39p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,788	1,065.5	15.2
25S	2,223	3,109	1,414.7	20.2

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 43cont

RNA Area:	9,709.9	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	42,594 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 6.90

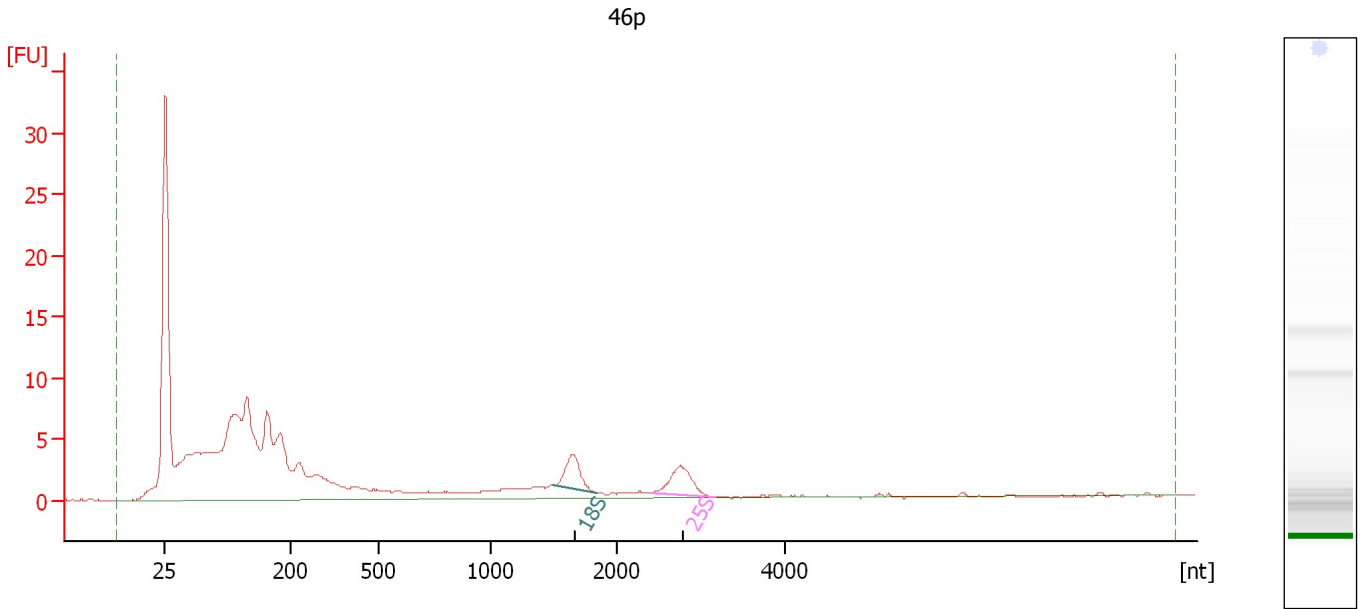
Fragment table for sample 10 : 43cont

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,803	1,103.1	11.4
25S	2,299	3,179	1,487.9	15.3

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 46p

RNA Area: 165.0 RNA Integrity Number (RIN): 3.9 (B.02.08)
RNA Concentration: 724 µg/µl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.1 Result Flagging Label: RIN: 3.90

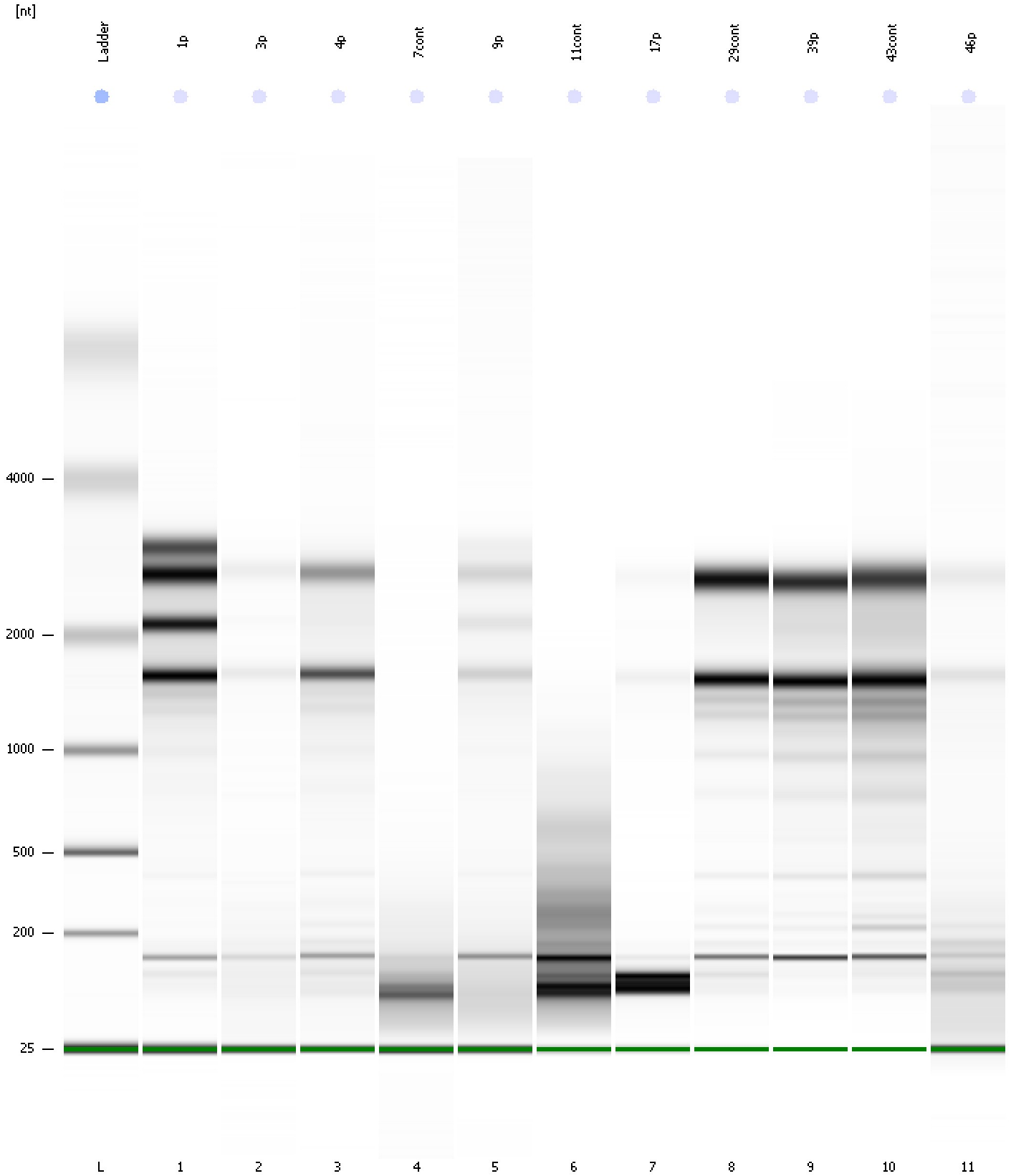
Fragment table for sample 11 : 46p

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	1,853	5.5	3.4
25S	2,413	3,168	6.0	3.6

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Gel Image



Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_001.xad

Created: 4/23/2018 8:31:33 AM
Modified: 4/23/2018 8:54:27 AM

Curves

Standard Curve

