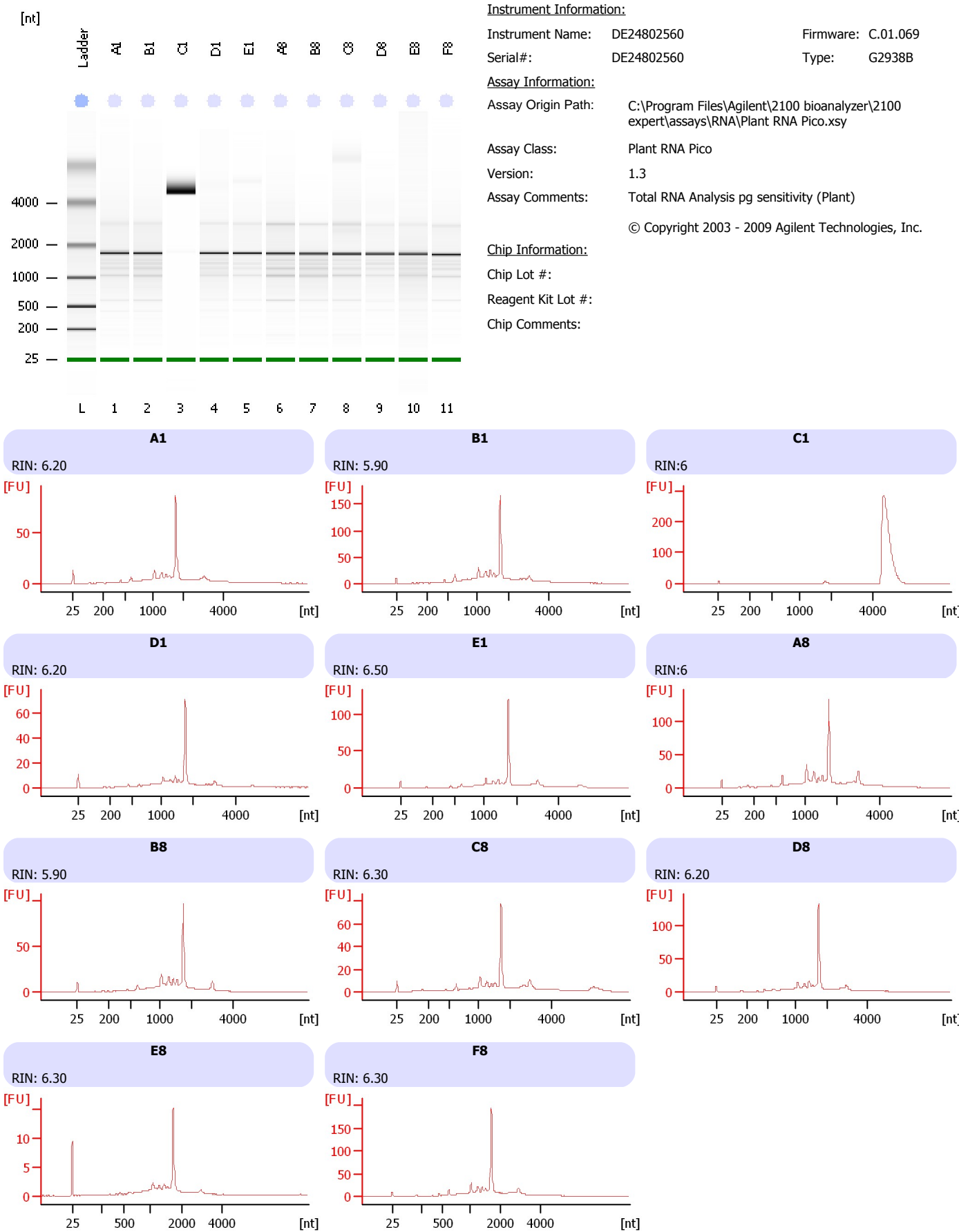


Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electrophoresis File Run Summary



Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 6.20	
B1		✓	RIN: 5.90	
C1		✓	RIN:6	
D1		✓	RIN: 6.20	
E1		✓	RIN: 6.50	
A8		✓	RIN:6	
B8		✓	RIN: 5.90	
C8		✓	RIN: 6.30	
D8		✓	RIN: 6.20	
E8		✓	RIN: 6.30	
F8		✓	RIN: 6.30	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 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

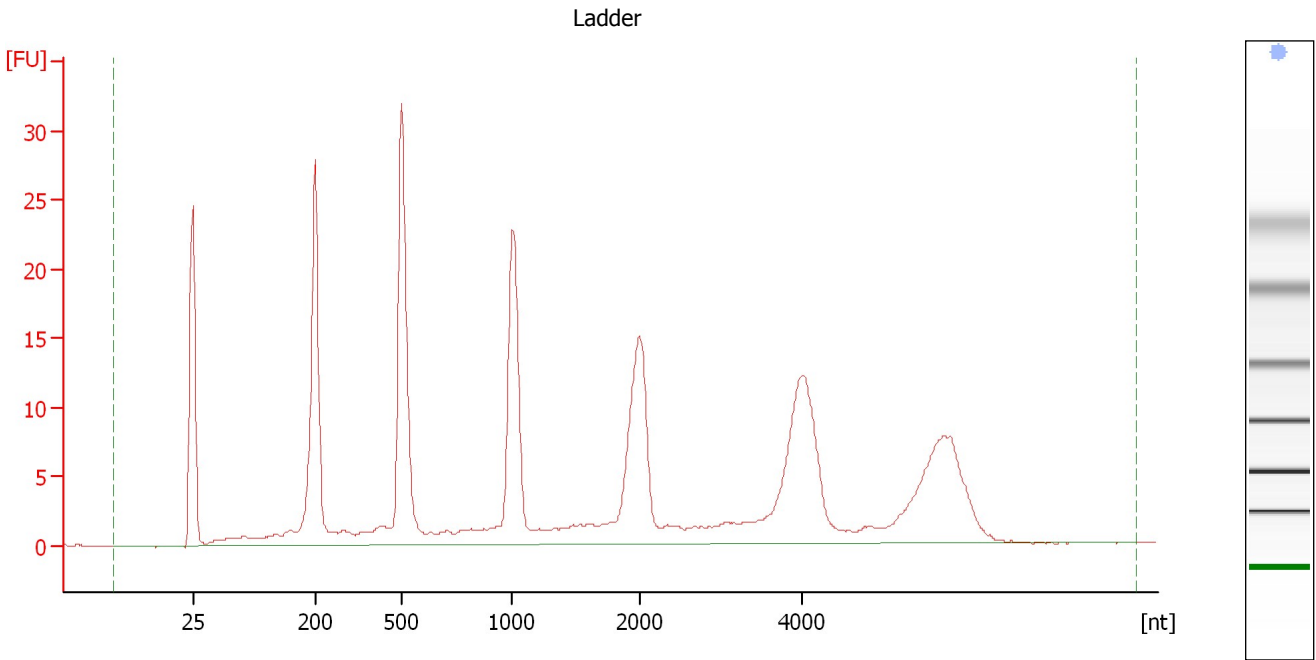
### Ladder

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

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary

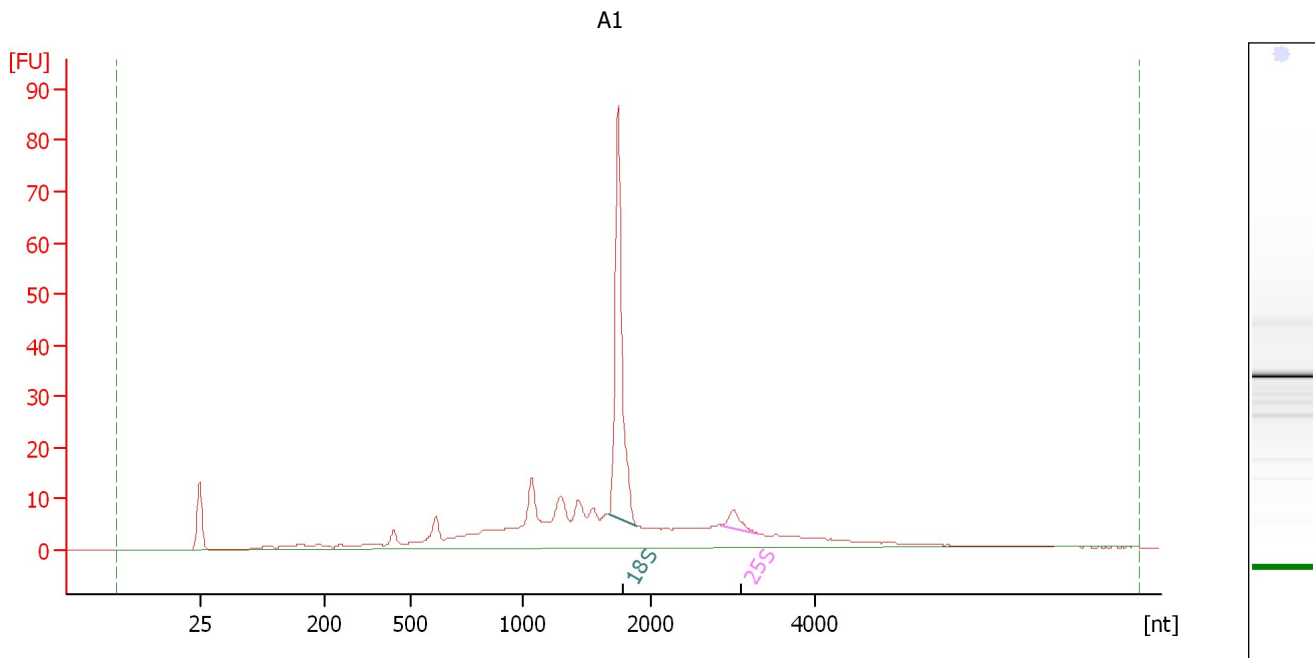


Overall Results for Ladder

RNA Area: 291.2  
RNA Concentration: 1,000 pg/μl

Result Flagging Color:   
Result Flagging Label: All Other Samples

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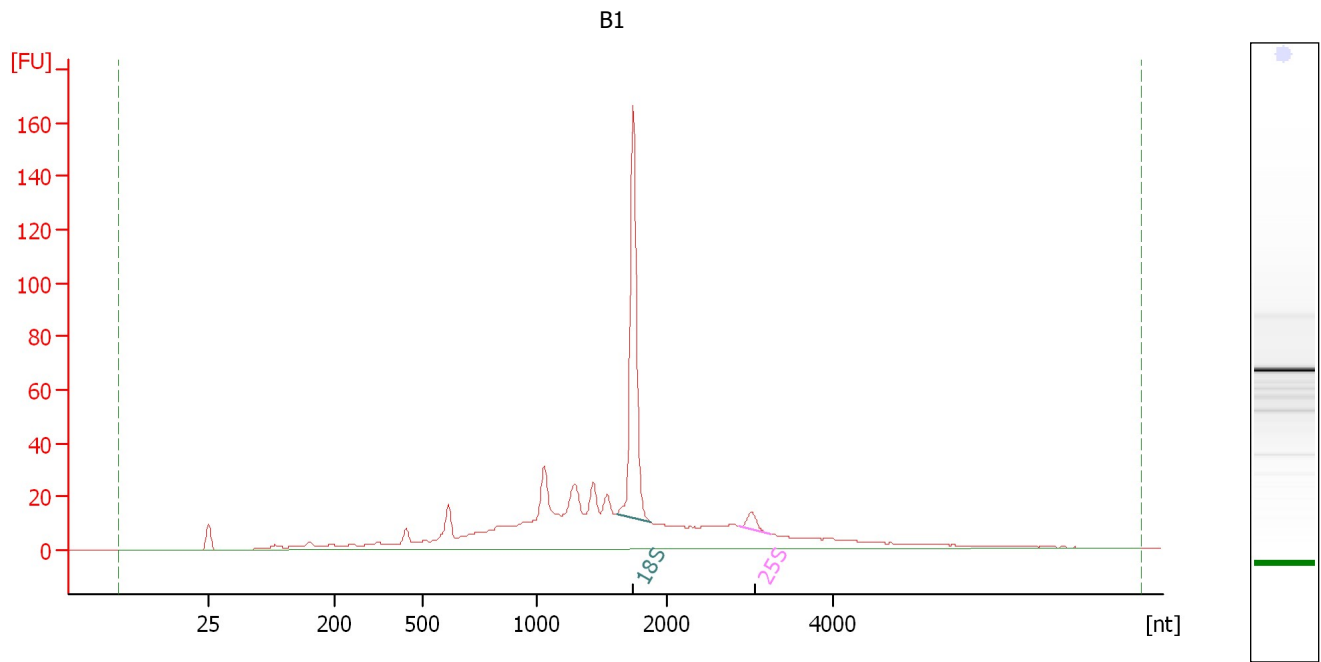


RNA Area:	310.3	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	1,066 pg/μl	Result Flagging Color:	<div></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	1,897	70.9	22.9
25S	2,869	3,308	4.4	1.4

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B1

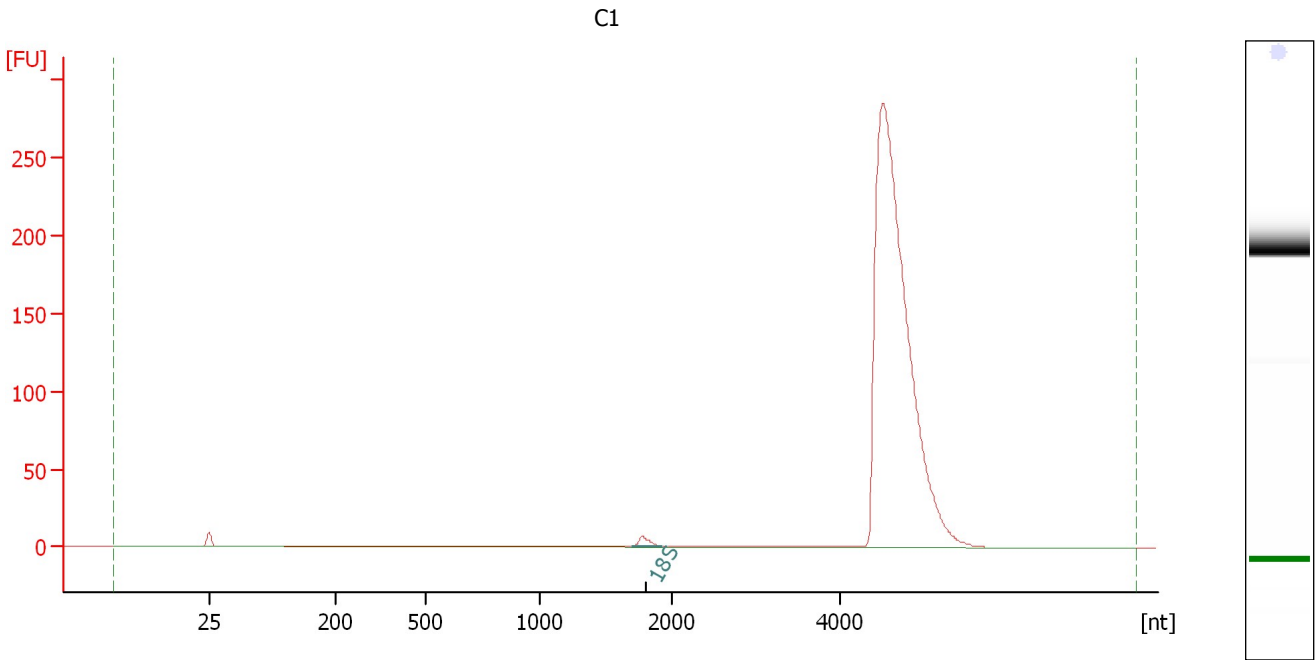
RNA Area:	655.4	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	2,251 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 5.90

Fragment table for sample 2 : B1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,879	130.2	19.9
25S	2,875	3,246	7.1	1.1

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1

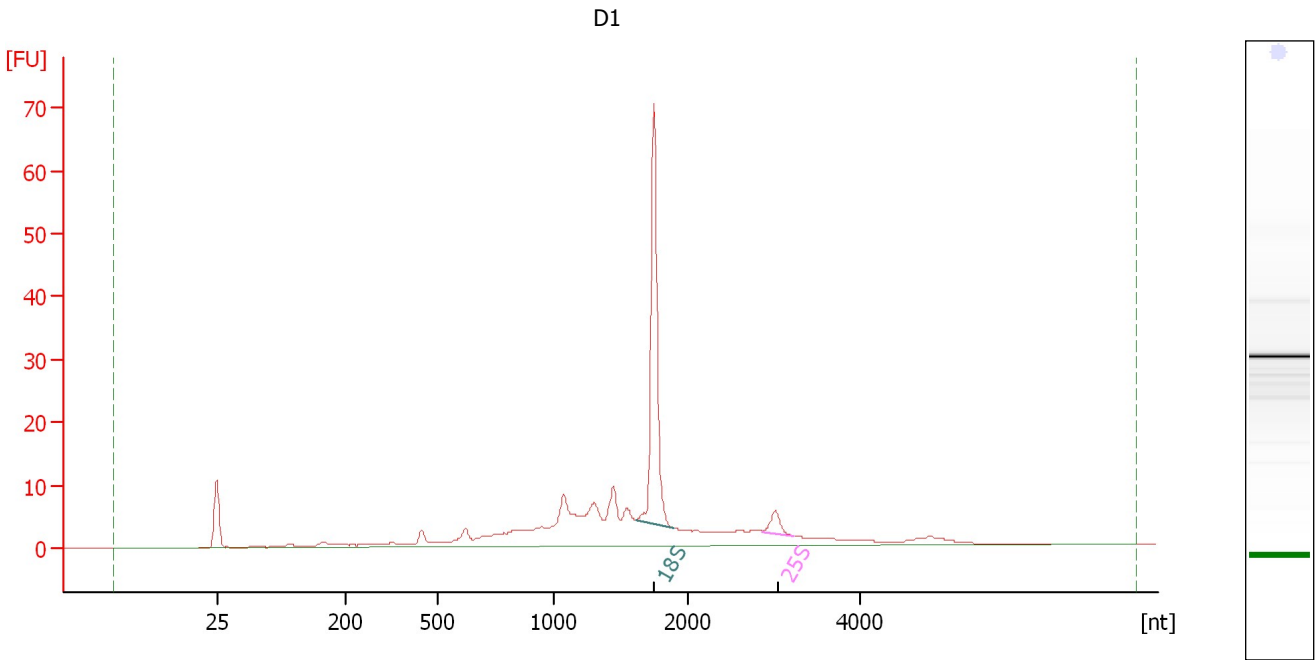
RNA Area:	958.2	RNA Integrity Number (RIN):	6 (B.02.08)
RNA Concentration:	3,291 pg/μl	Result Flagging Color:	<div></div>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:6

Fragment table for sample 3 : C1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,930	6.9	0.7

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D1

RNA Area:	206.4	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	709 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 10px; display: inline-block;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.20

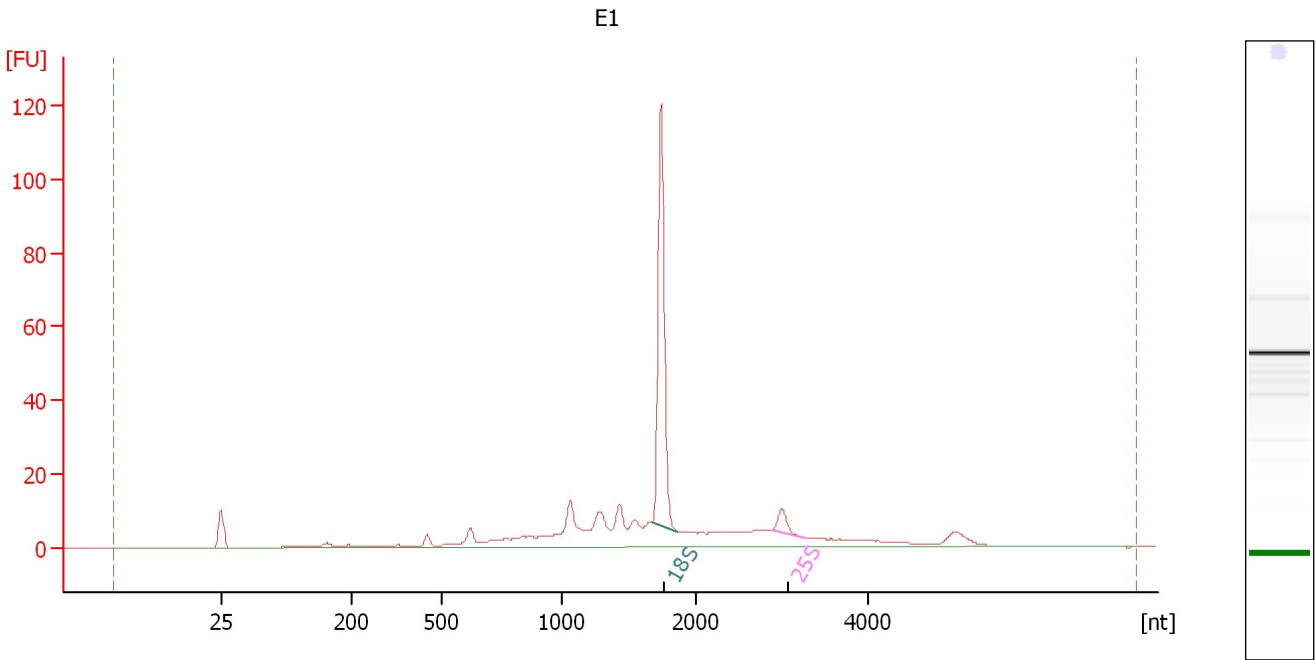
Fragment table for sample 4 : D1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,618	1,897	52.8	25.6
25S	2,875	3,236	3.6	1.8



Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : E1

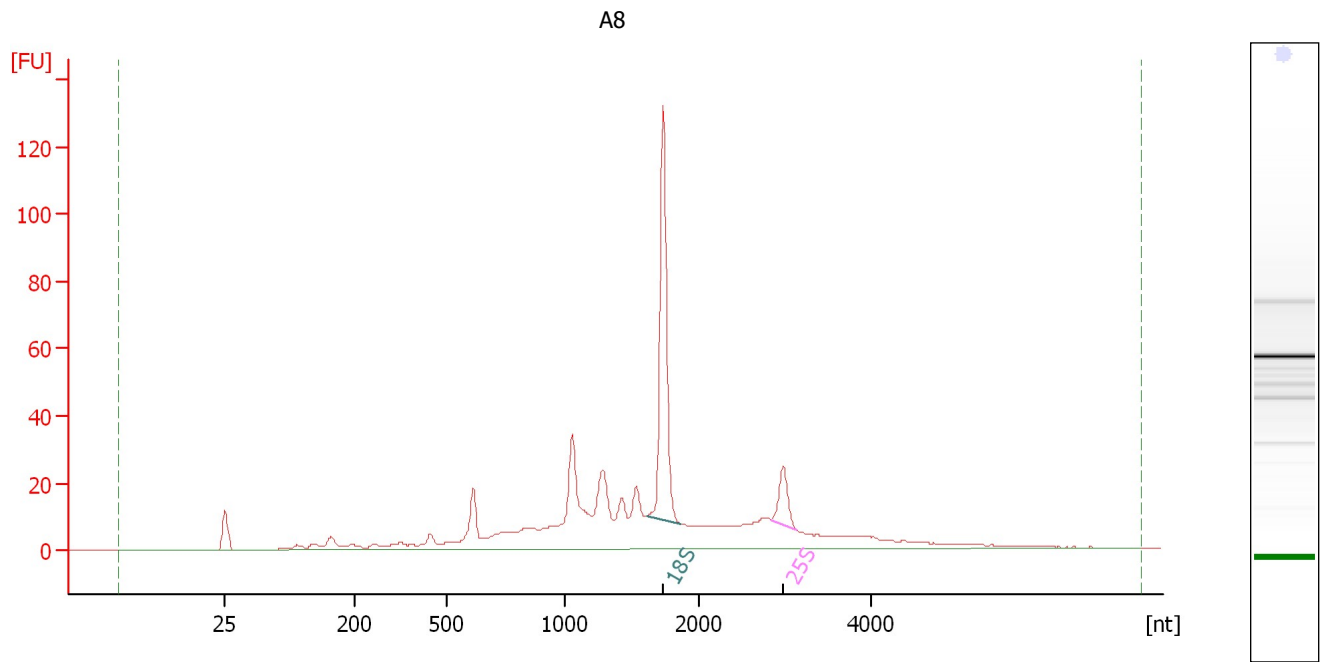
RNA Area:	312.9	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	1,075 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.50

Fragment table for sample 5 : E1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	1,861	89.2	28.5
25S	2,883	3,277	6.2	2.0

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A8

RNA Area:	537.8	RNA Integrity Number (RIN):	6 (B.02.08)
RNA Concentration:	1,847 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [25s / 18s]:	0.2	Result Flagging Label:	RIN:6

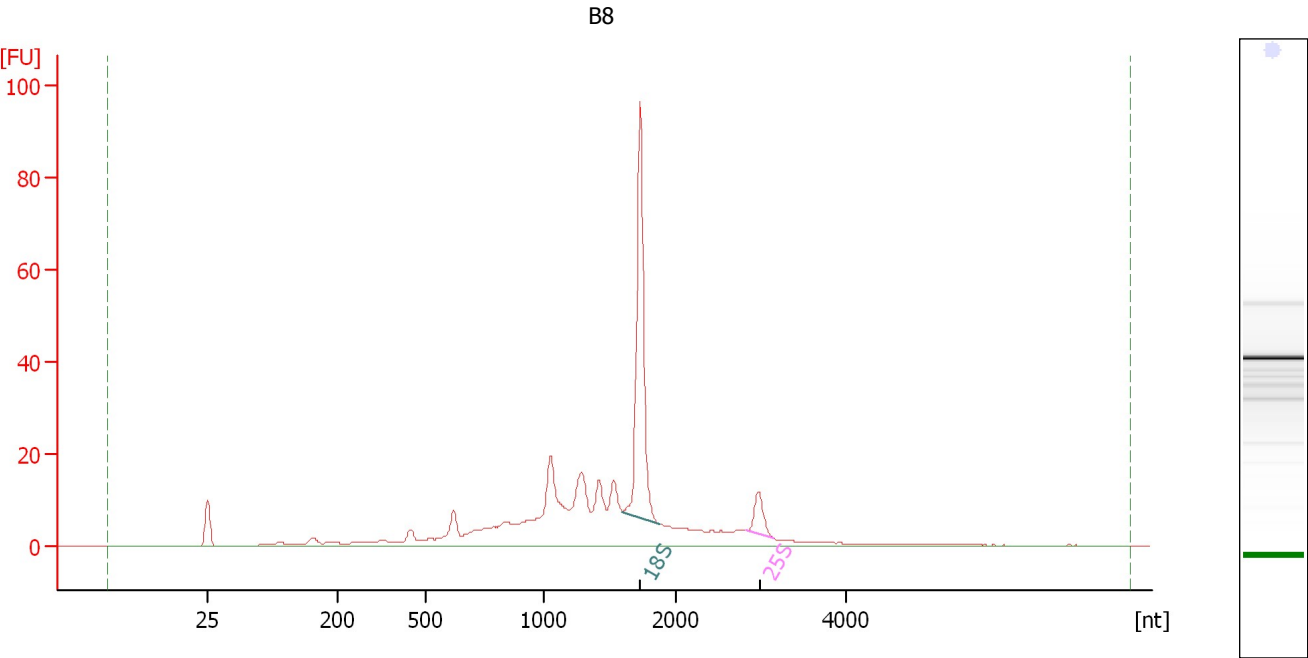
Fragment table for sample 6 : A8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,868	103.0	19.1
25S	2,848	3,147	16.4	3.0

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : B8

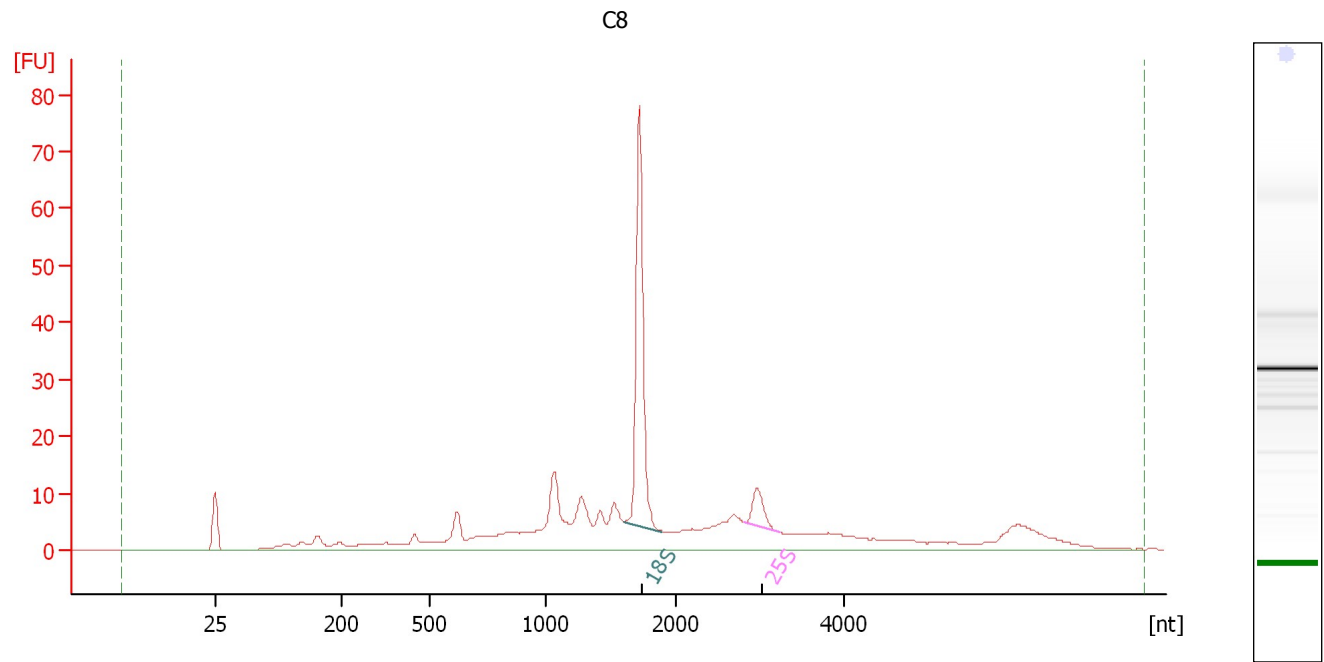
RNA Area:	342.0	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	1,175 pg/µl	Result Flagging Color:	<div></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 5.90

Fragment table for sample 7 : B8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,887	75.7	22.1
25S	2,829	3,156	9.2	2.7

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C8

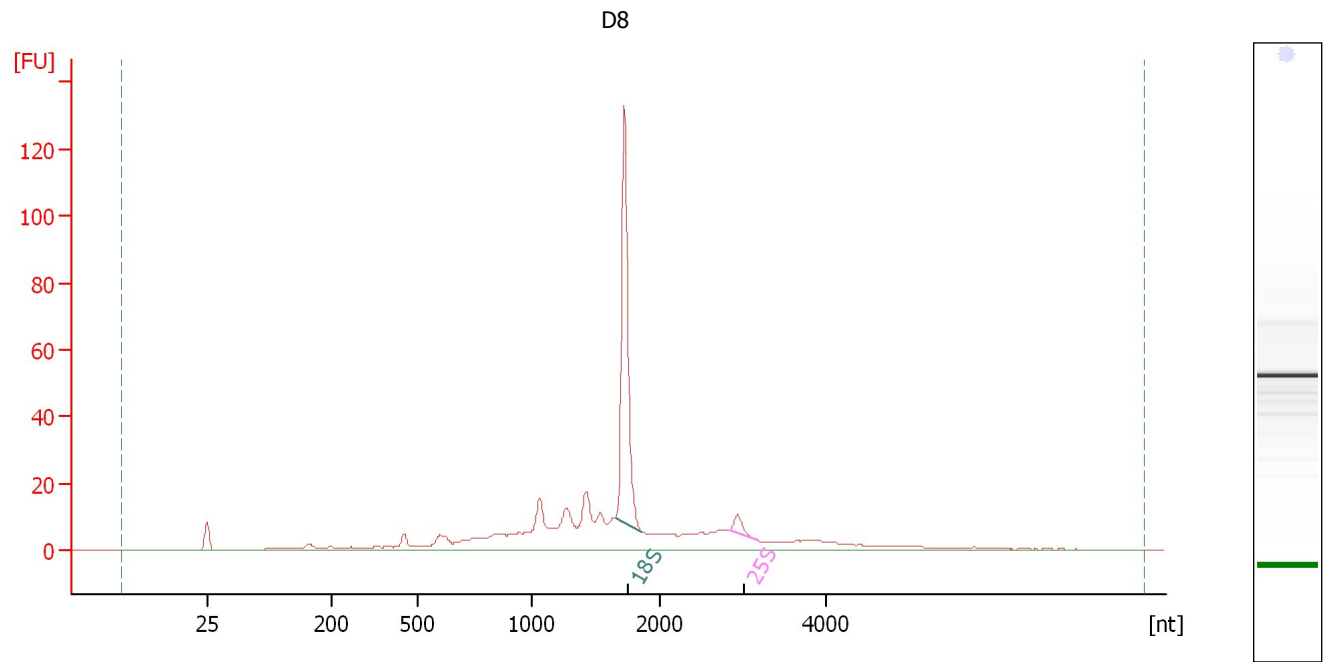
RNA Area:	320.4	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	1,101 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.30

Fragment table for sample 8 : C8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,897	66.0	20.6
25S	2,823	3,241	8.4	2.6

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad  
Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : D8

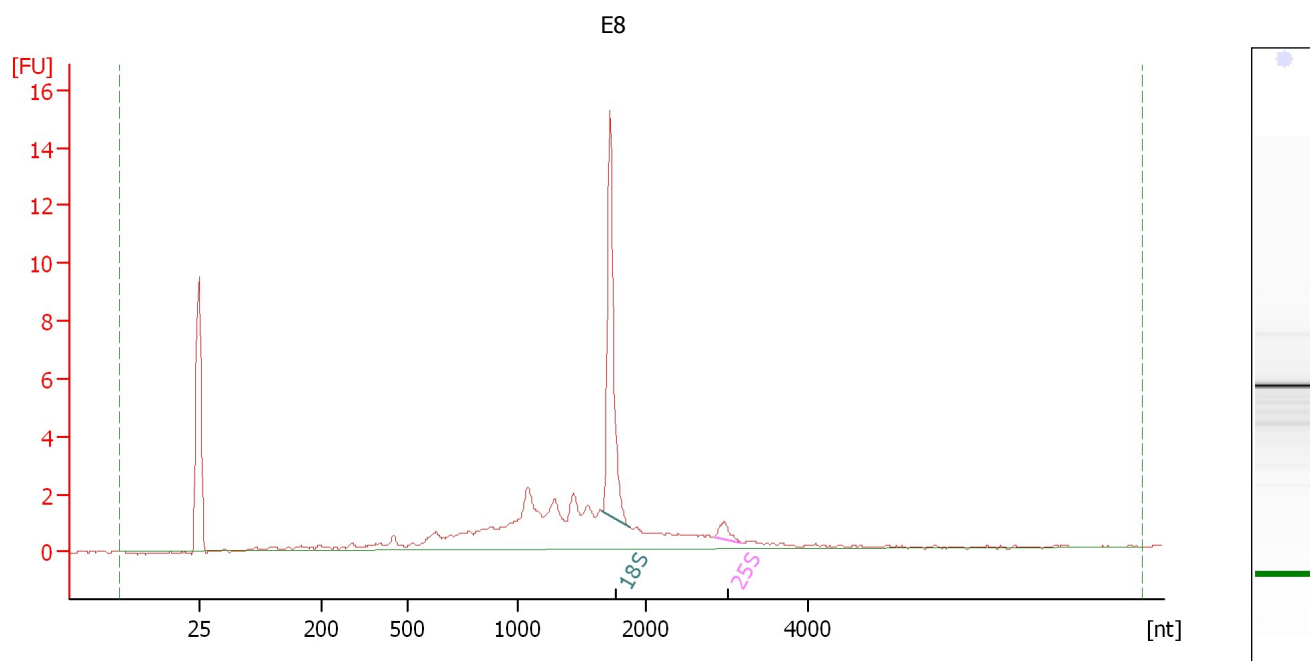
RNA Area:	388.4	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	1,334 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.20

Fragment table for sample 9 : D8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,666	1,866	102.2	26.3
25S	2,842	3,180	5.5	1.4

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : E8**

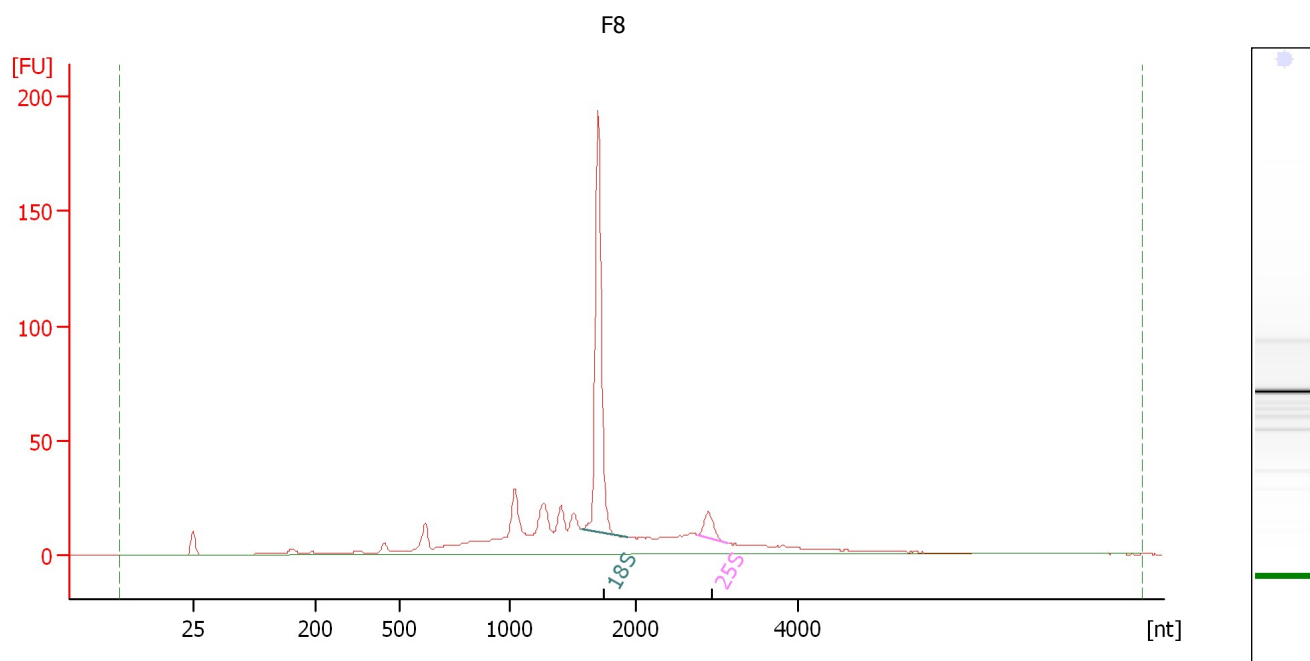
RNA Area:	48.0	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	165 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.30

**Fragment table for sample 10 : E8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	1,869	11.2	23.4
25S	2,822	3,189	0.7	1.5

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : F8**

RNA Area: 583.1  
RNA Concentration: 2,003 pg/μl  
rRNA Ratio [25s / 18s]: 0.1

RNA Integrity Number (RIN): 6.3 (B.02.08)  
Result Flagging Color:   
Result Flagging Label: RIN: 6.30

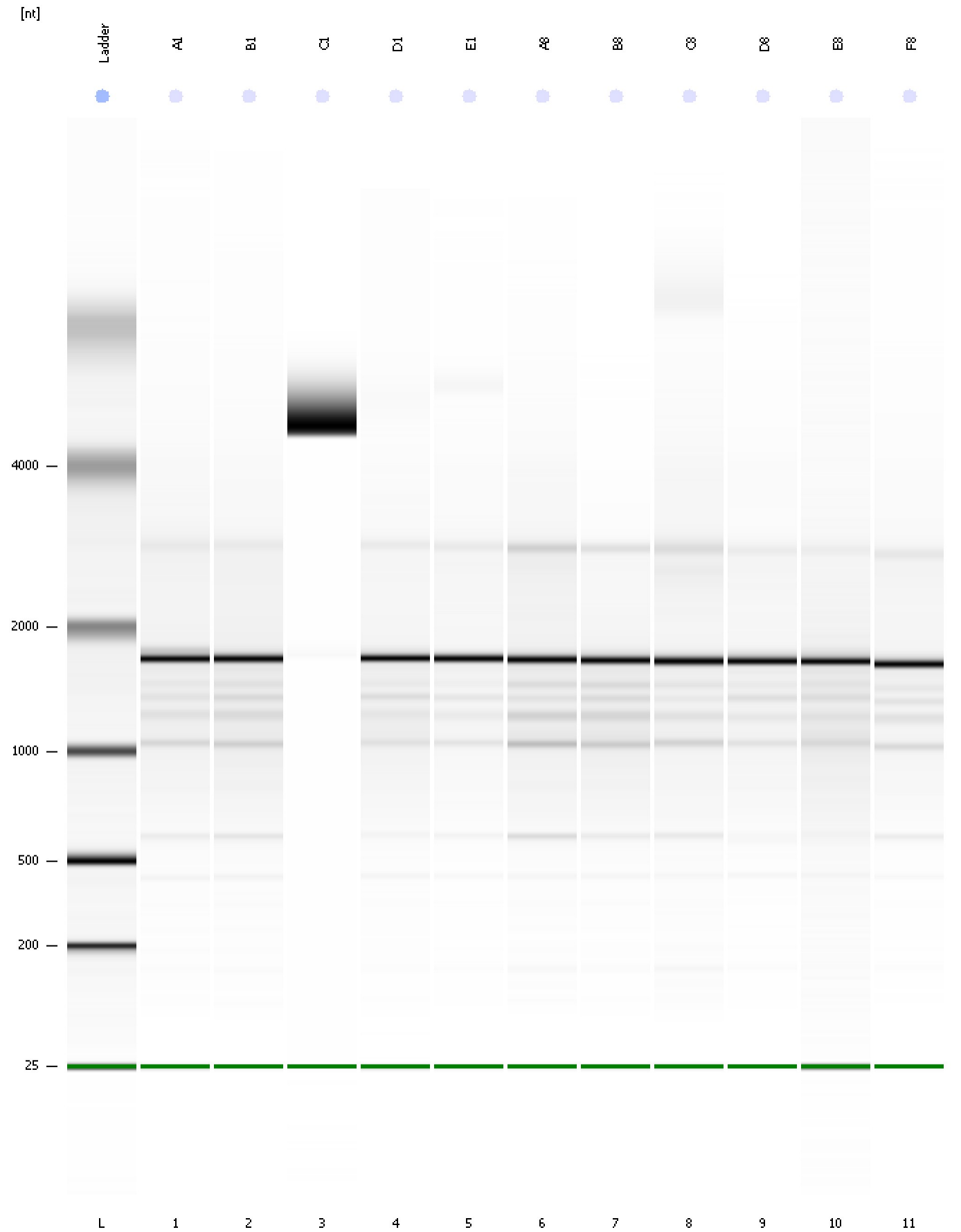
**Fragment table for sample 11 : F8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,931	154.1	26.4
25S	2,775	3,147	11.7	2.0

Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

Gel Image





Assay Class: Plant RNA Pico  
Data Path: C:\...00 expert\_Plant RNA Pico\_DE24802560\_2013-06-05\_15-11-59.xad

Created: 5/06/2013 3:11:58 PM  
Modified: 5/06/2013 3:34:55 PM

## Curves

### Standard Curve

