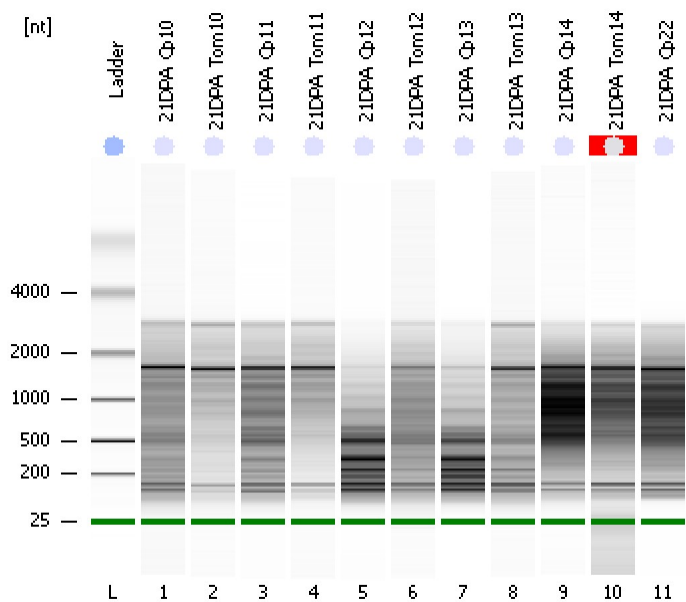


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

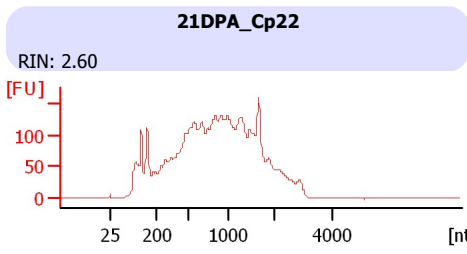
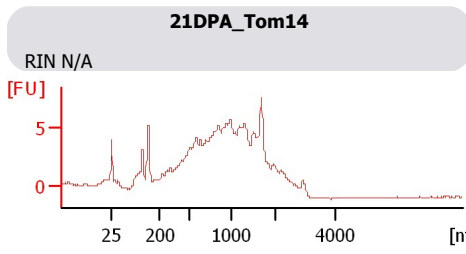
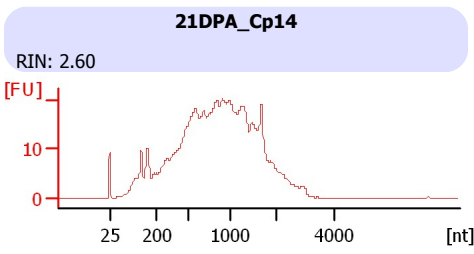
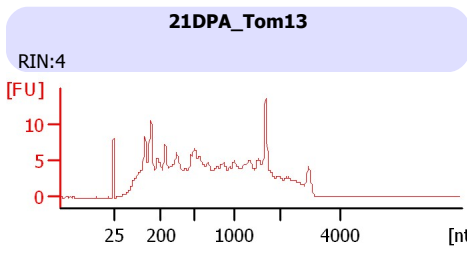
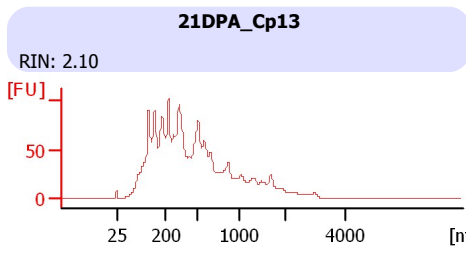
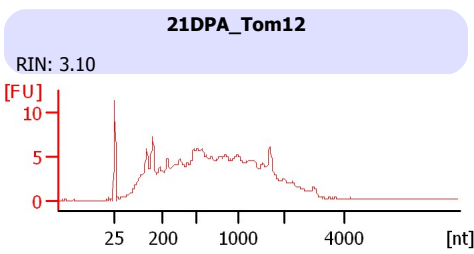
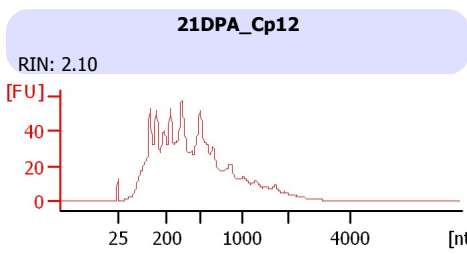
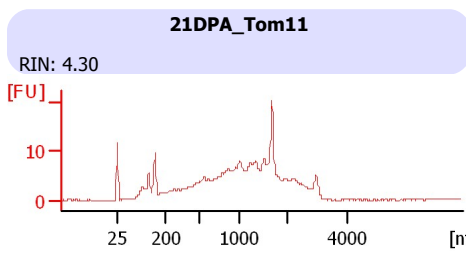
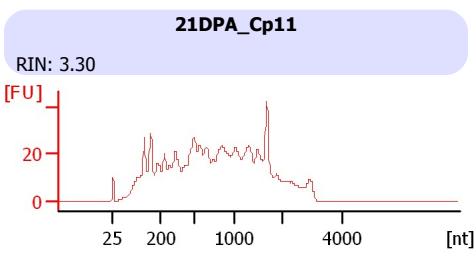
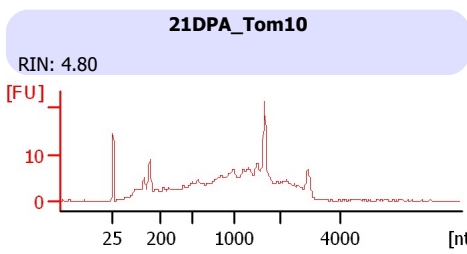
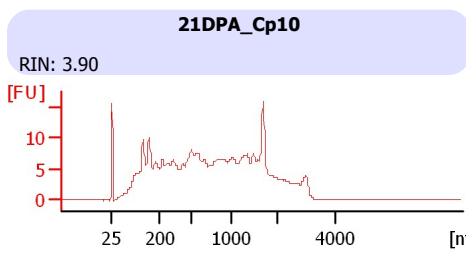
Electrophoresis File Run Summary



**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\Eukaryote Total RNA Pico Series II.xsy  
 Assay Class: Eukaryote Total RNA Pico  
 Version: 2.6  
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

**Chip Information:**  
 Chip Lot #:   
 Reagent Kit Lot #:   
 Chip Comments:   
 © Copyright 2003 - 2009 Agilent Technologies, Inc.



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
 Modified: 1/3/2014 11:14:09 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
21DPA_Cp10		✓	RIN: 3.90	
21DPA_Tom10		✓	RIN: 4.80	
21DPA_Cp11		✓	RIN: 3.30	
21DPA_Tom11		✓	RIN: 4.30	
21DPA_Cp12		✓	RIN: 2.10	
21DPA_Tom12		✓	RIN: 3.10	
21DPA_Cp13		✓	RIN: 2.10	
21DPA_Tom13		✓	RIN:4	
21DPA_Cp14		✓	RIN: 2.60	
21DPA_Tom14		✓	RIN N/A	
21DPA_Cp22		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 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/ $\mu$ 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

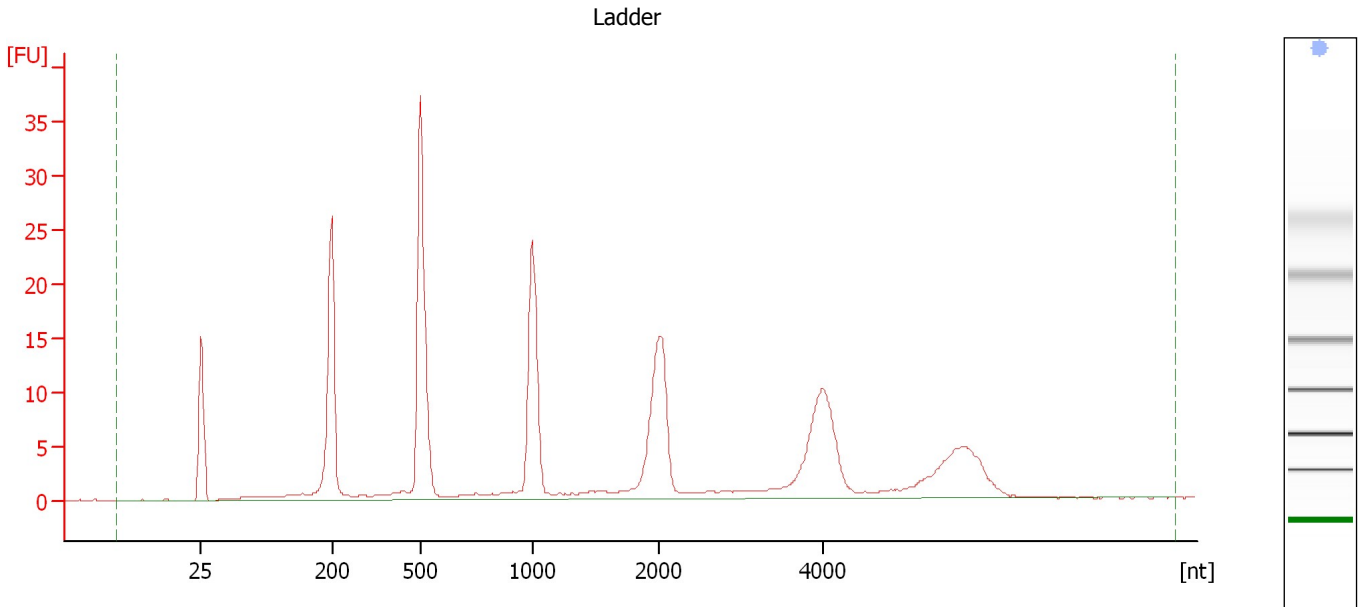
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary**



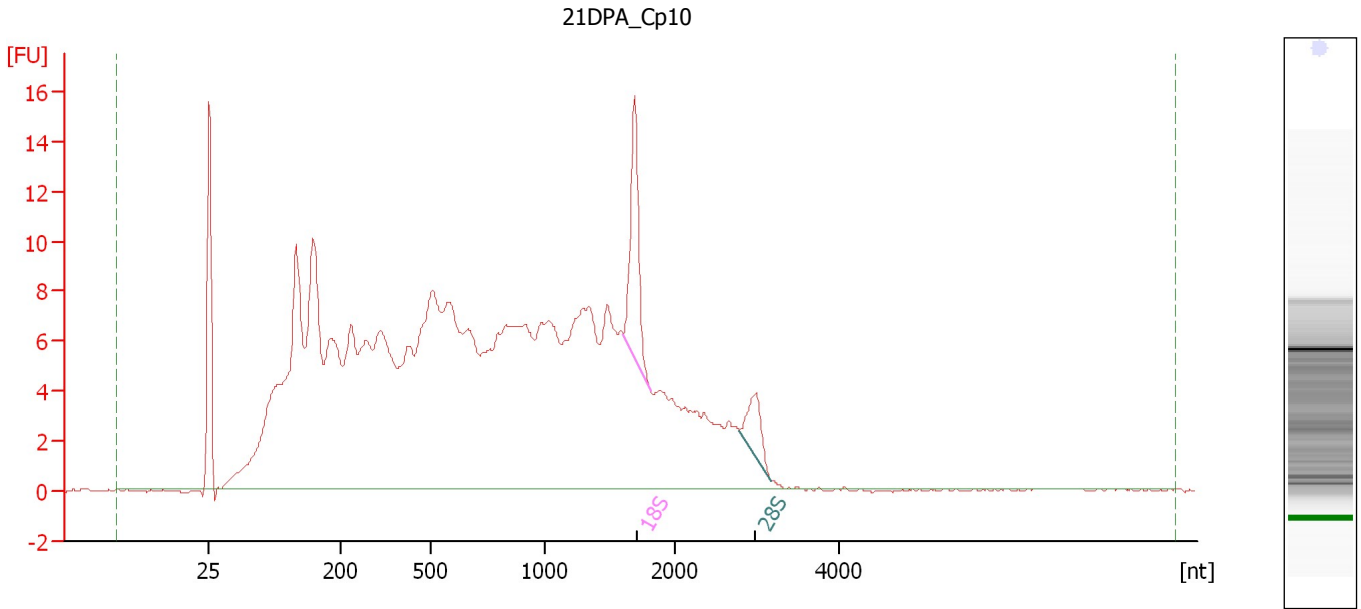
**Overall Results for Ladder**

RNA Area:	212.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
 Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 21DPA Cp10**

RNA Area:	371.7	RNA Integrity Number (RIN):	3.9 (B.02.08)
RNA Concentration:	1,749 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 3.90

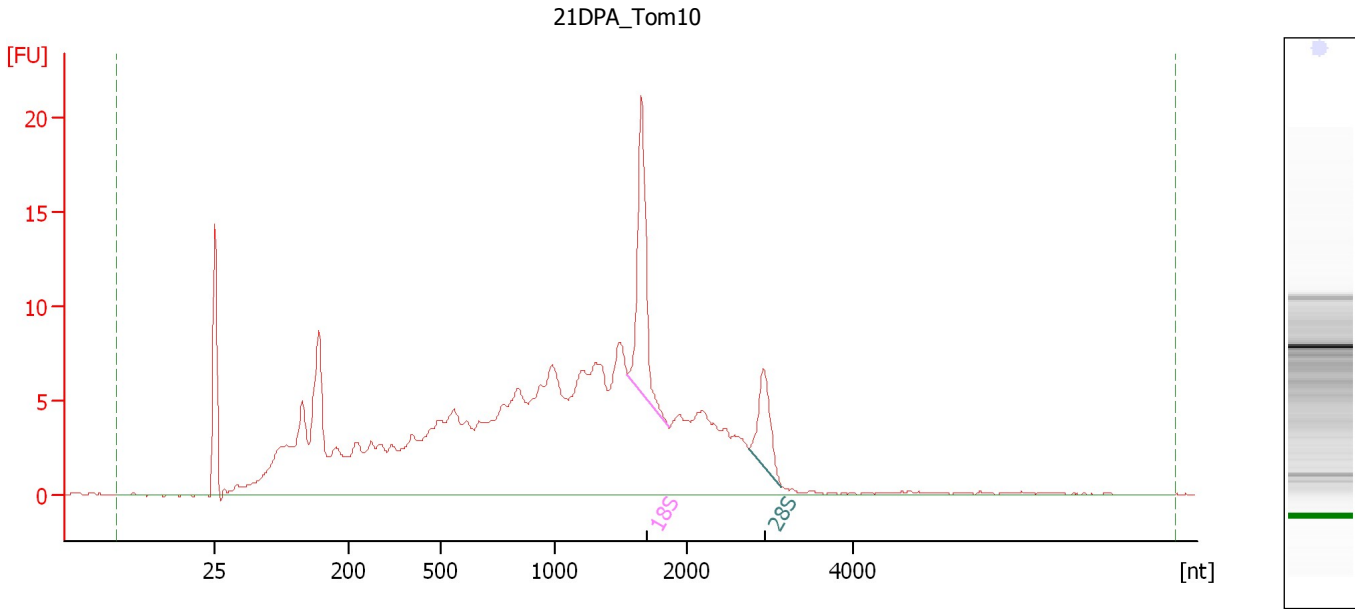
**Fragment table for sample 1 : 21DPA Cp10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	1,814	10.6	2.8
28S	2,798	3,174	3.5	0.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
 Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 21DPA Tom10**

RNA Area:	281.4	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	1,324 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 4.80

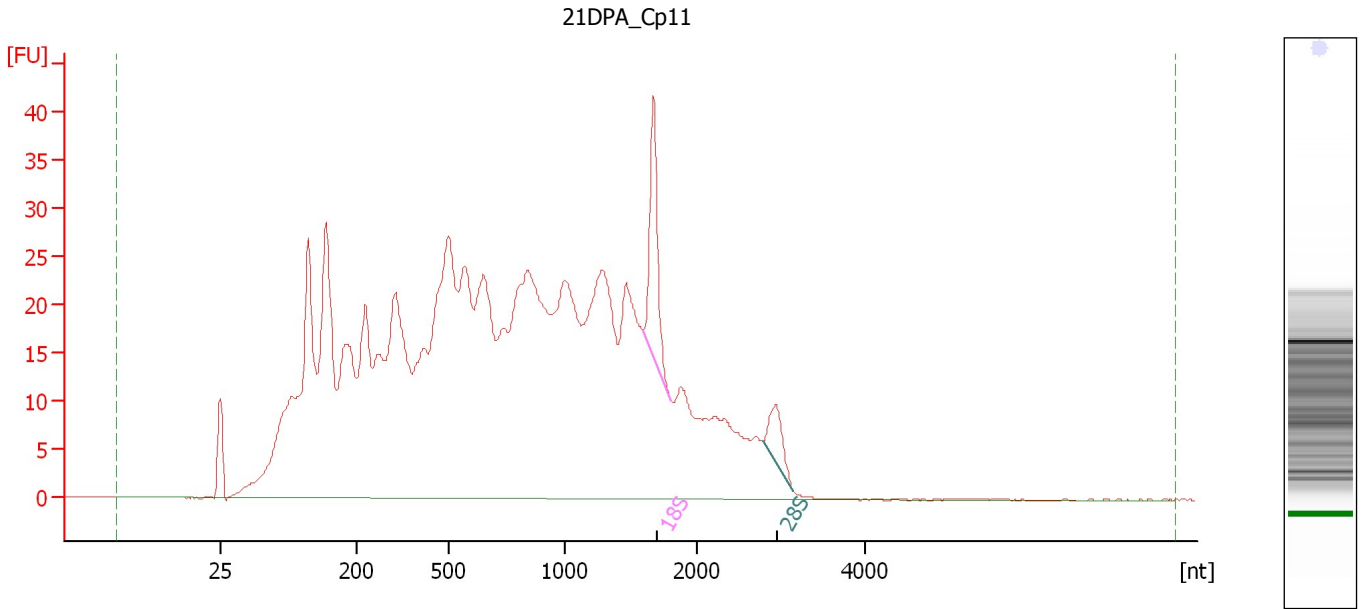
**Fragment table for sample 2 : 21DPA Tom10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,861	15.8	5.6
28S	2,756	3,140	6.5	2.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 21DPA Cp11**

RNA Area: 1,059.0                      RNA Integrity Number (RIN): 3.3 (B.02.08)  
RNA Concentration: 4,984 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.3                      Result Flagging Label: RIN: 3.30

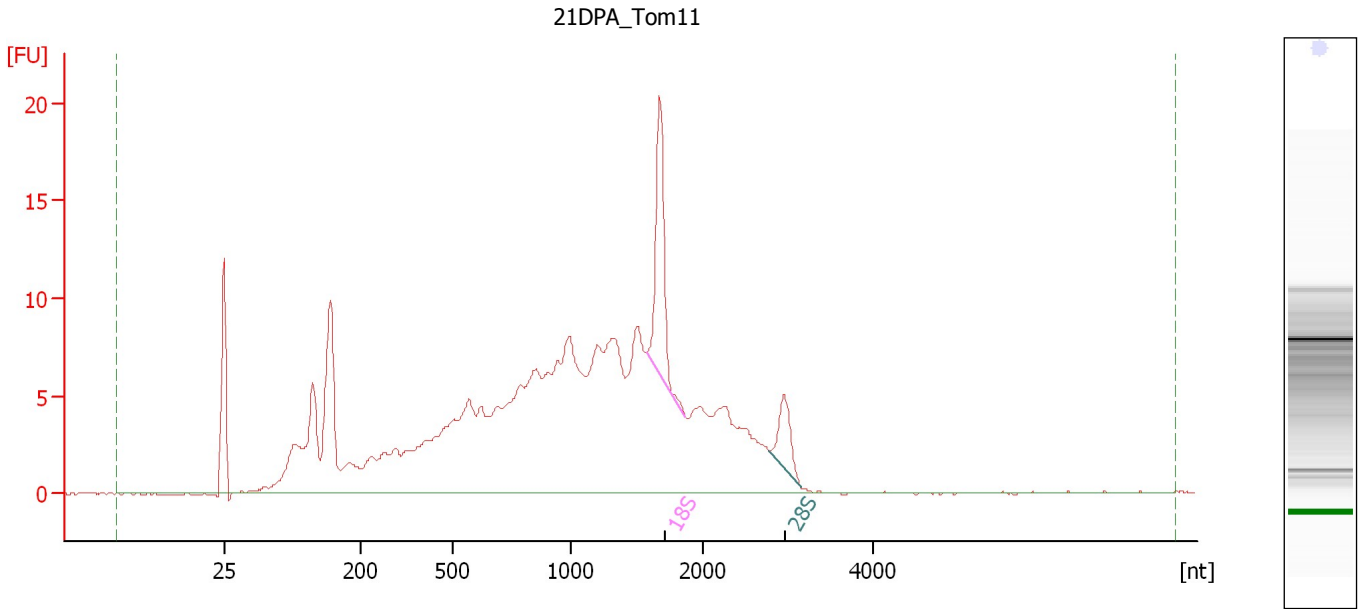
**Fragment table for sample 3 : 21DPA Cp11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,810	25.8	2.4
28S	2,779	3,147	8.4	0.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
 Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 21DPA Tom11**

RNA Area:	275.3	RNA Integrity Number (RIN):	4.3 (B.02.08)
RNA Concentration:	1,296 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.30

**Fragment table for sample 4 : 21DPA Tom11**

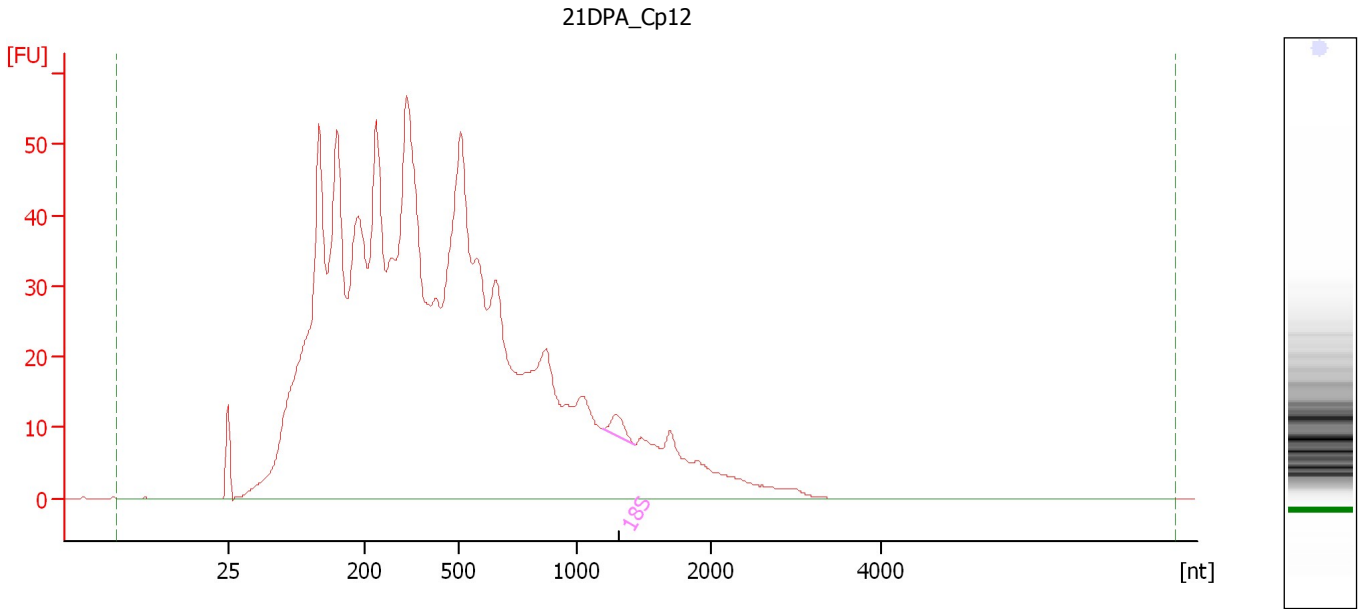
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,869	13.5	4.9
28S	2,790	3,156	4.5	1.6



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 21DPA Cp12**

RNA Area:	1,411.3	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	6,642 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

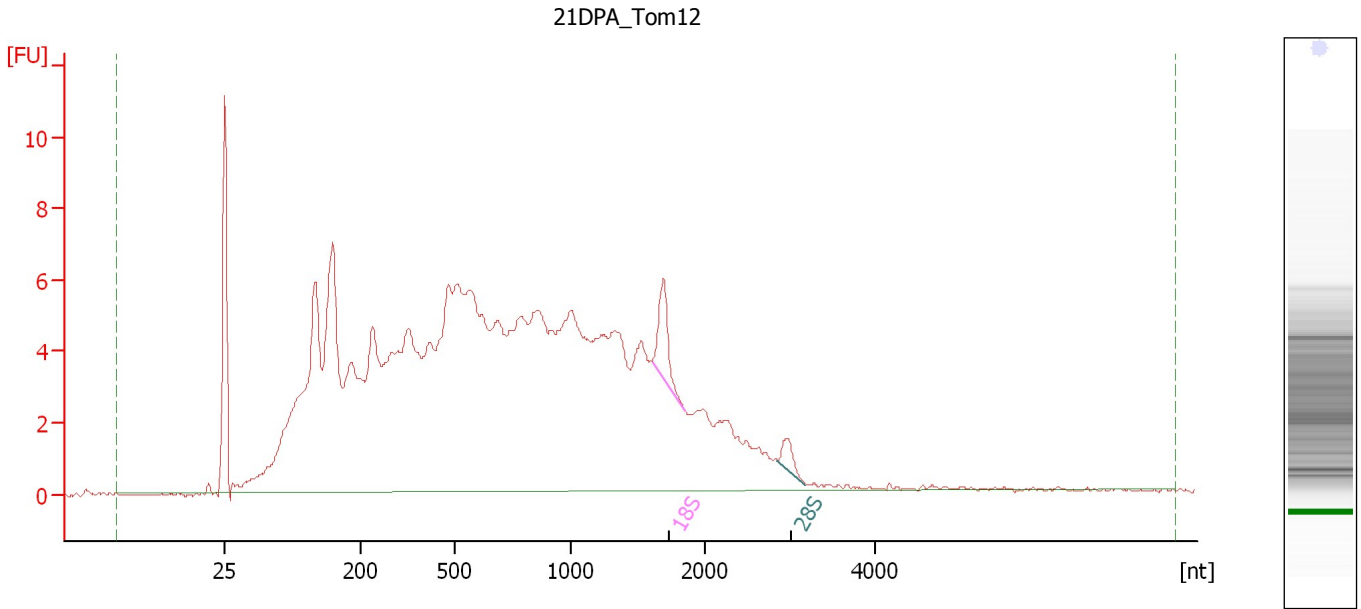
**Fragment table for sample 5 : 21DPA Cp12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,187	1,434	5.2	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 21DPA Tom12**

RNA Area: 245.5 RNA Integrity Number (RIN): 3.1 (B.02.08)  
RNA Concentration: 1,155 µg/µl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 3.10

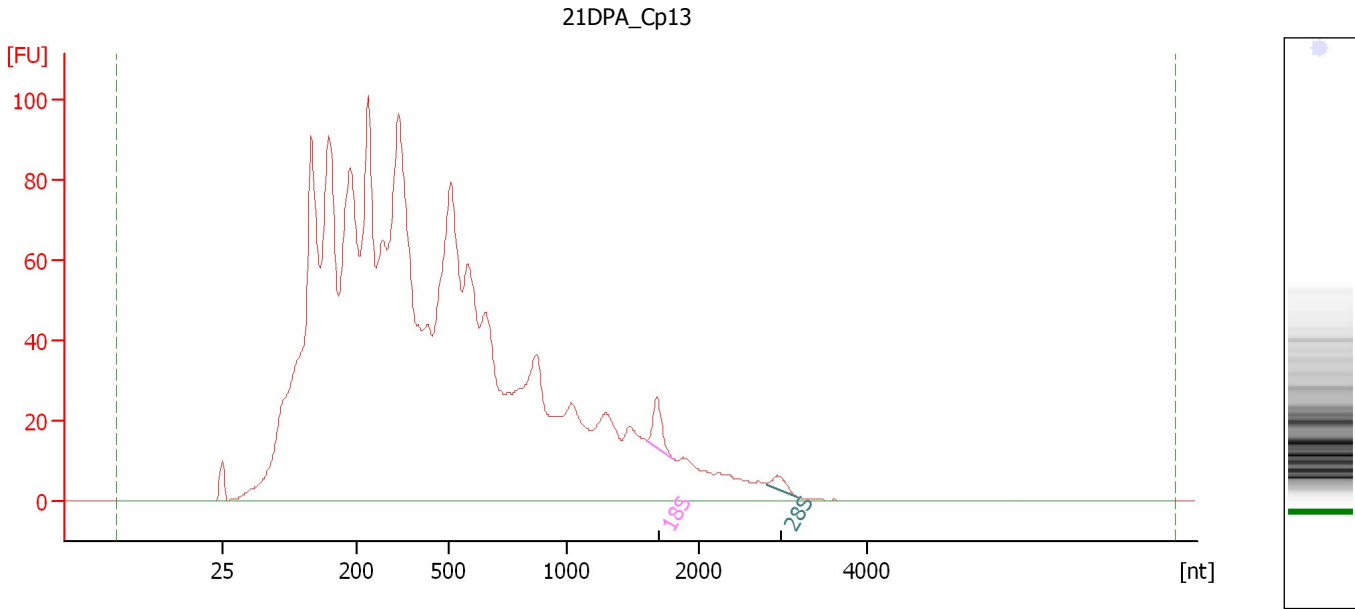
**Fragment table for sample 6 : 21DPA Tom12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,846	3.0	1.2
28S	2,853	3,179	0.9	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 21DPA Cp13**

RNA Area: 2,427.5 RNA Integrity Number (RIN): 2.1 (B.02.08)  
RNA Concentration: 11,425 pg/µl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.10

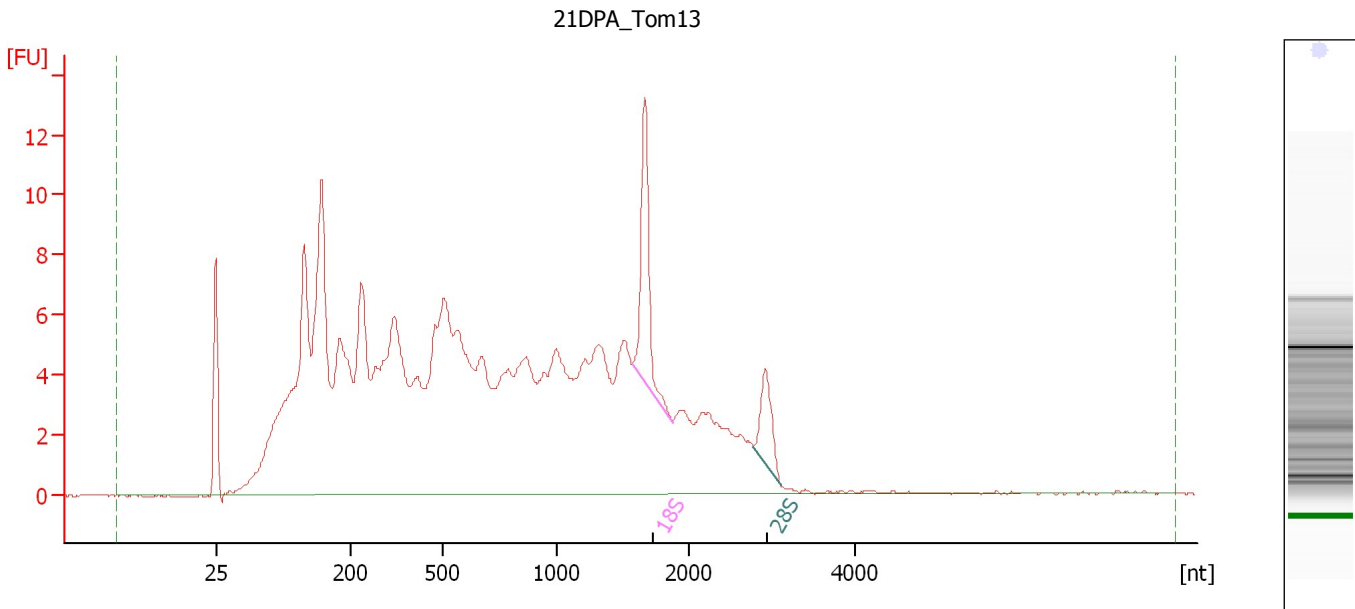
**Fragment table for sample 7 : 21DPA Cp13**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,811	12.9	0.5
28S	2,804	3,158	4.7	0.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
 Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 21DPA Tom13**

RNA Area:	279.4	RNA Integrity Number (RIN):	4 (B.02.08)
RNA Concentration:	1,315 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN:4

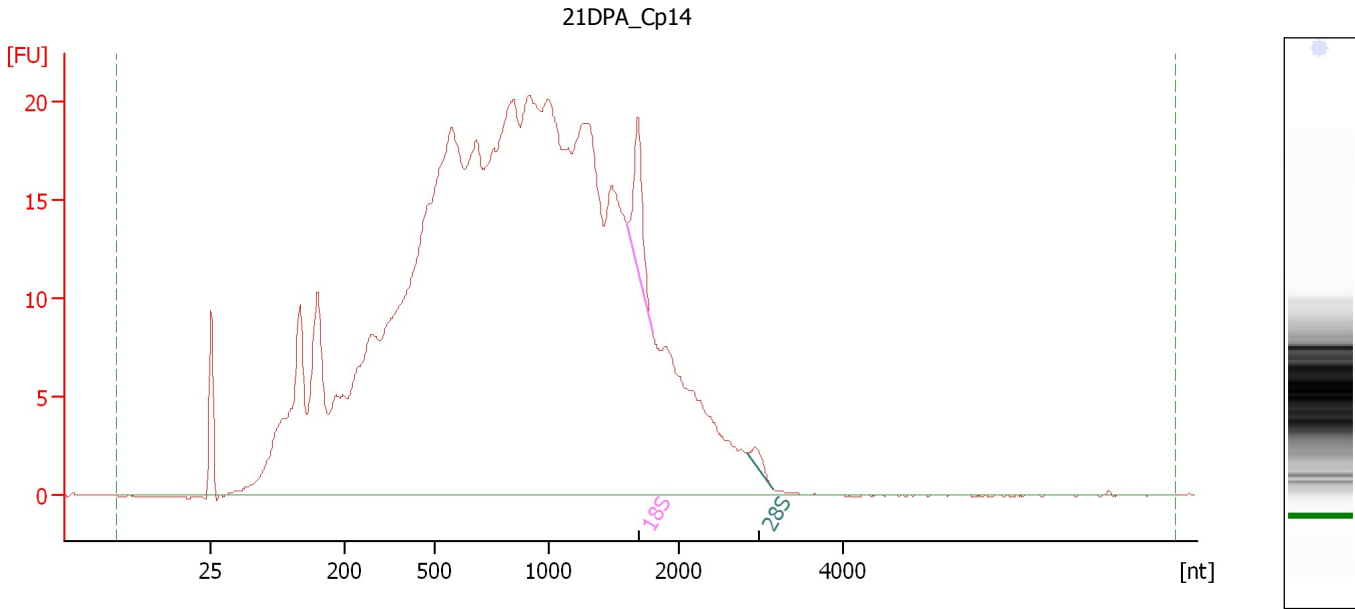
**Fragment table for sample 8 : 21DPA Tom13**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,879	8.6	3.1
28S	2,781	3,101	3.7	1.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 21DPA Cp14**

RNA Area: 689.7 RNA Integrity Number (RIN): 2.6 (B.02.08)  
RNA Concentration: 3,246 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.60

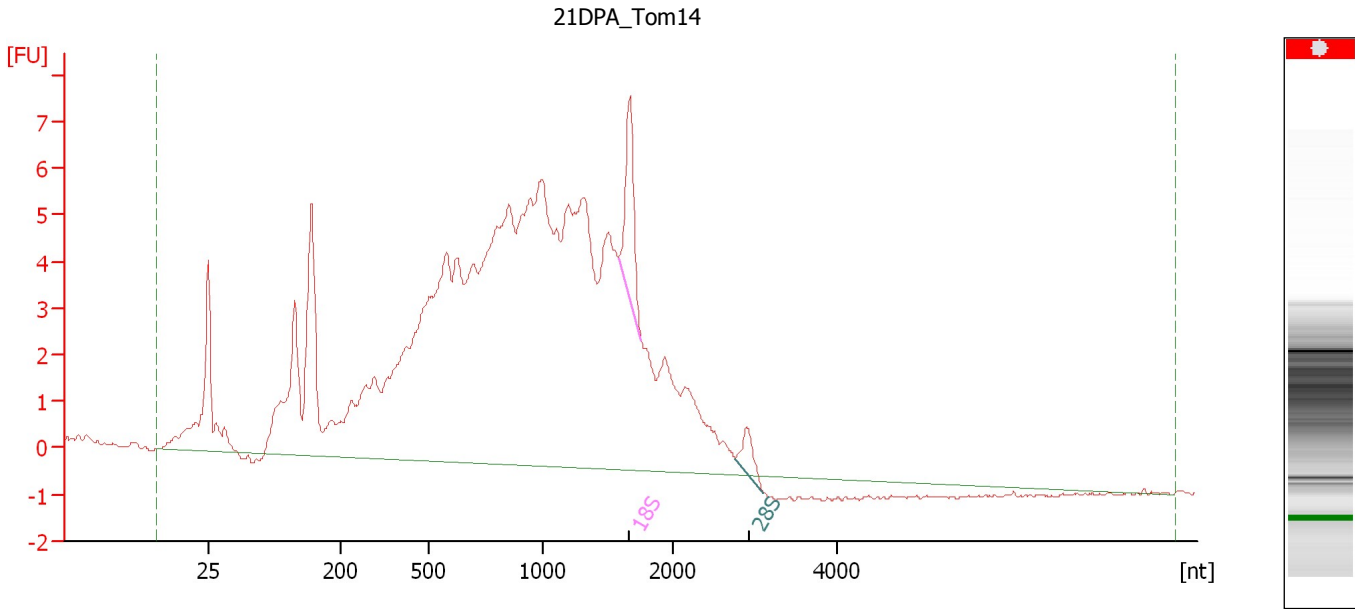
**Fragment table for sample 9 : 21DPA Cp14**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,800	8.0	1.2
28S	2,836	3,146	1.1	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 21DPA Tom14**

RNA Area: 187.4 RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 882 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN N/A

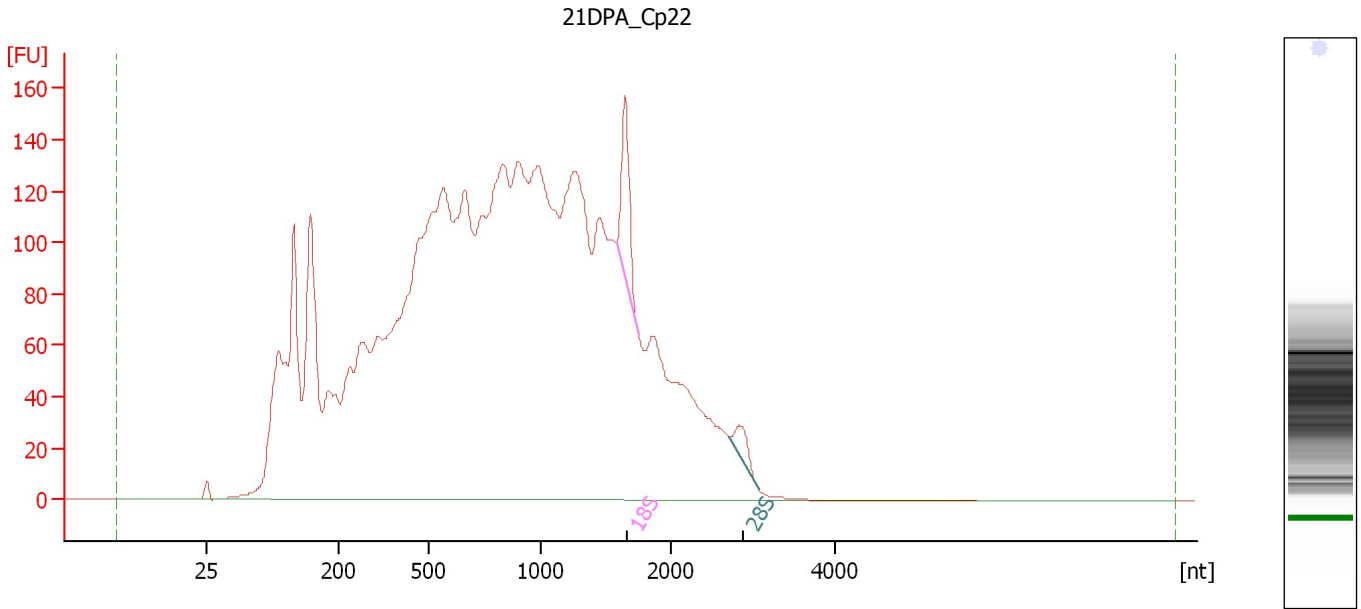
**Fragment table for sample 10 : 21DPA Tom14**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,763	4.2	2.3
28S	2,773	3,110	1.2	0.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 21DPA Cp22**

RNA Area: 4,976.5      RNA Integrity Number (RIN): 2.6 (B.02.08)  
RNA Concentration: 23,421 pg/μl      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.3      Result Flagging Label: RIN: 2.60

**Fragment table for sample 11 : 21DPA Cp22**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,754	68.8	1.4
28S	2,721	3,073	18.2	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-03\2014-01-03\_002.xad

Created: 1/3/2014 10:51:59 AM  
Modified: 1/3/2014 11:14:09 AM

**Gel Image**

