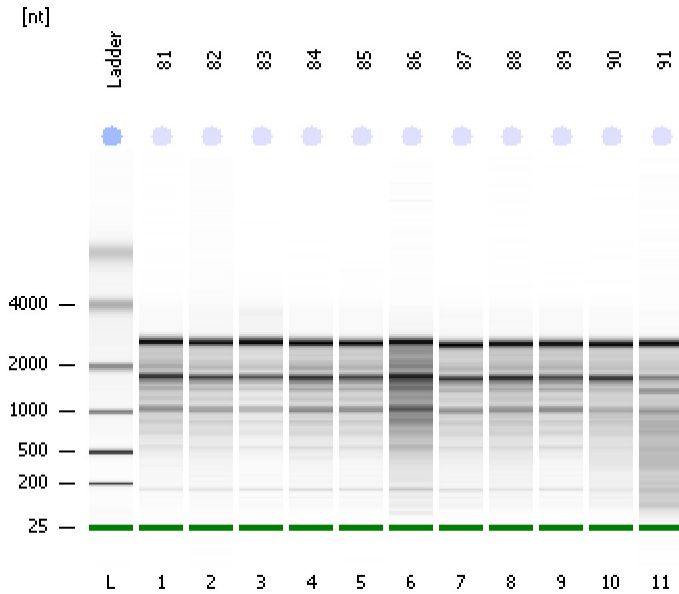


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

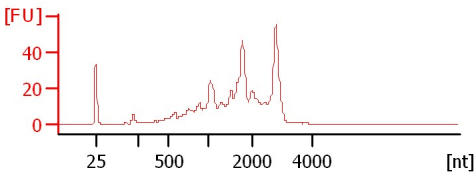
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy  
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

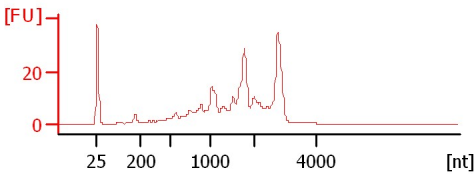
Chip Information:

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

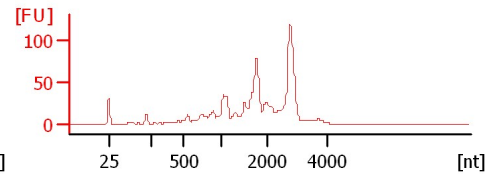
HiSeq1396 **81**  
RIN: 7



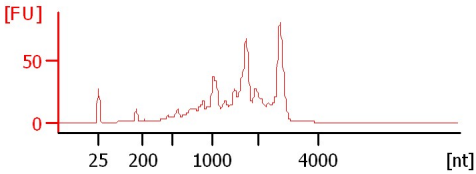
HiSeq1396 **82**  
RIN: 7.30



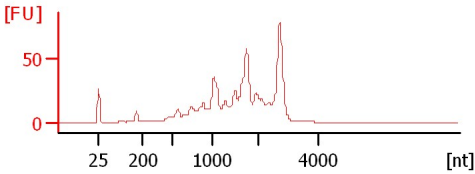
HiSeq1396 **83**  
RIN: 7.80



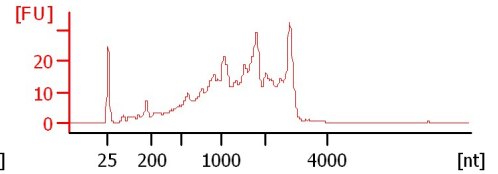
HiSeq1396 **84**  
RIN: 6.90



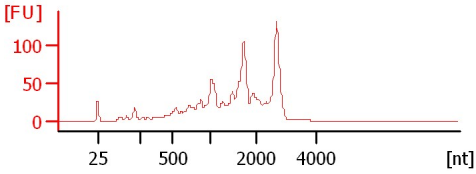
HiSeq1396 **85**  
RIN: 7



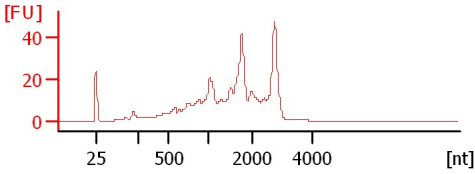
HiSeq1396 **86**  
RIN: 5.10



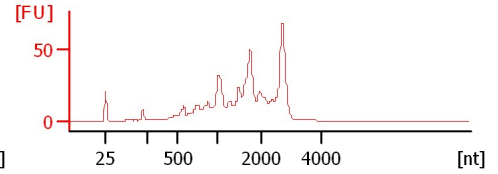
HiSeq1396 **87**  
RIN: 7



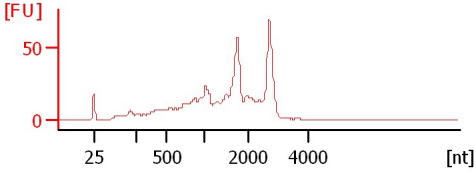
HiSeq1396 **88**  
RIN: 6.70



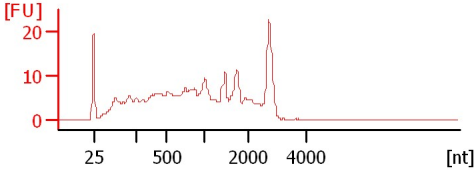
HiSeq1396 **89**  
RIN: 7



HiSeq1396 **90**  
RIN: 6.80



HiSeq1396 **91**  
RIN: 5.60



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
81	HiSeq1396	✓	RIN:7	
82	HiSeq1396	✓	RIN: 7.30	
83	HiSeq1396	✓	RIN: 7.80	
84	HiSeq1396	✓	RIN: 6.90	
85	HiSeq1396	✓	RIN:7	
86	HiSeq1396	✓	RIN: 5.10	
87	HiSeq1396	✓	RIN:7	
88	HiSeq1396	✓	RIN: 6.70	
89	HiSeq1396	✓	RIN:7	
90	HiSeq1396	✓	RIN: 6.80	
91	HiSeq1396	✓	RIN: 5.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 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

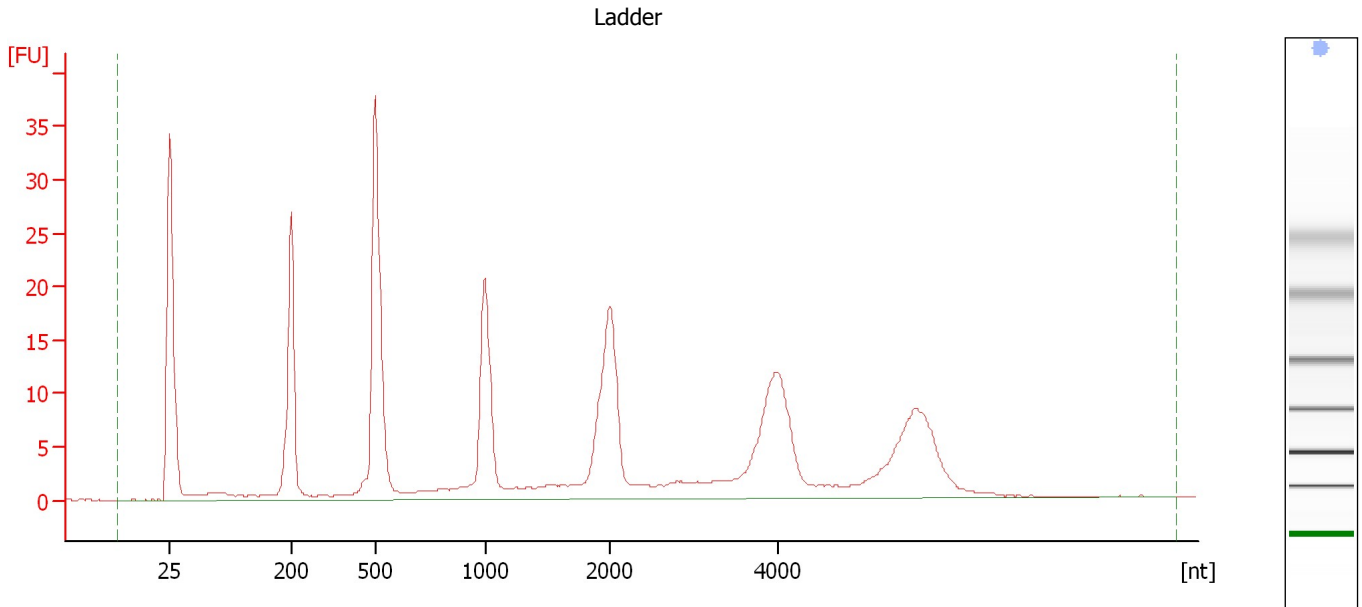
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary**



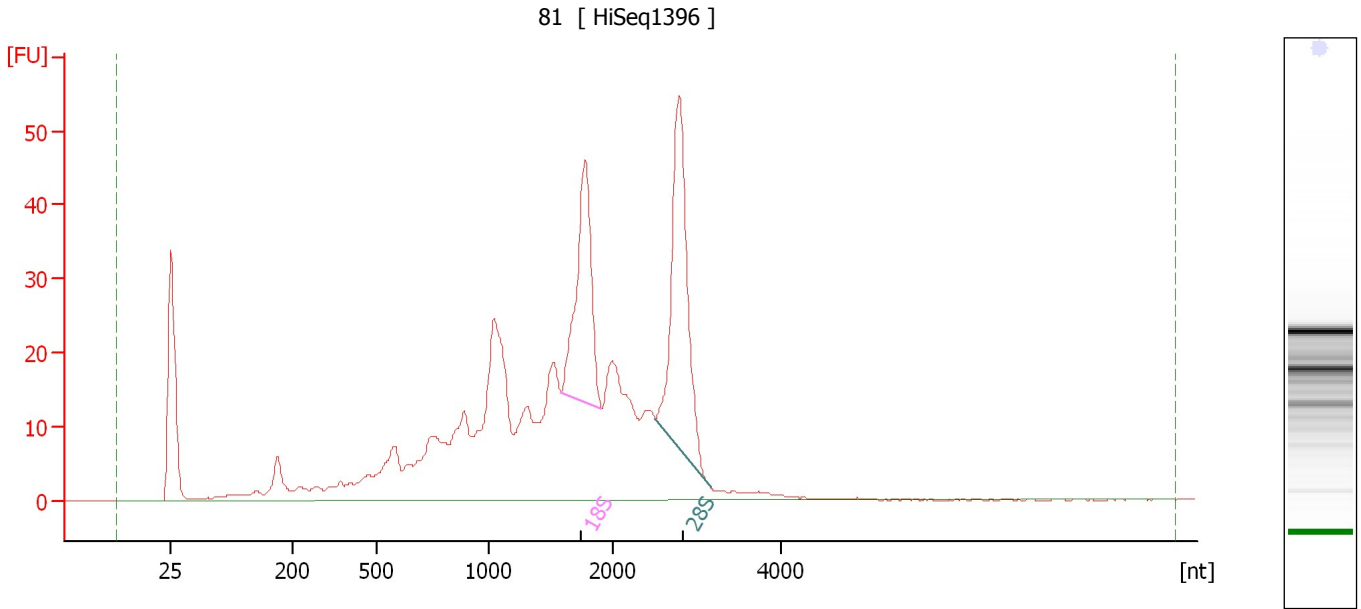
**Overall Results for Ladder**

RNA Area:	296.5	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:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 81**

RNA Area:	629.4	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	2,123 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]:	1.4	Result Flagging Label:	RIN:7

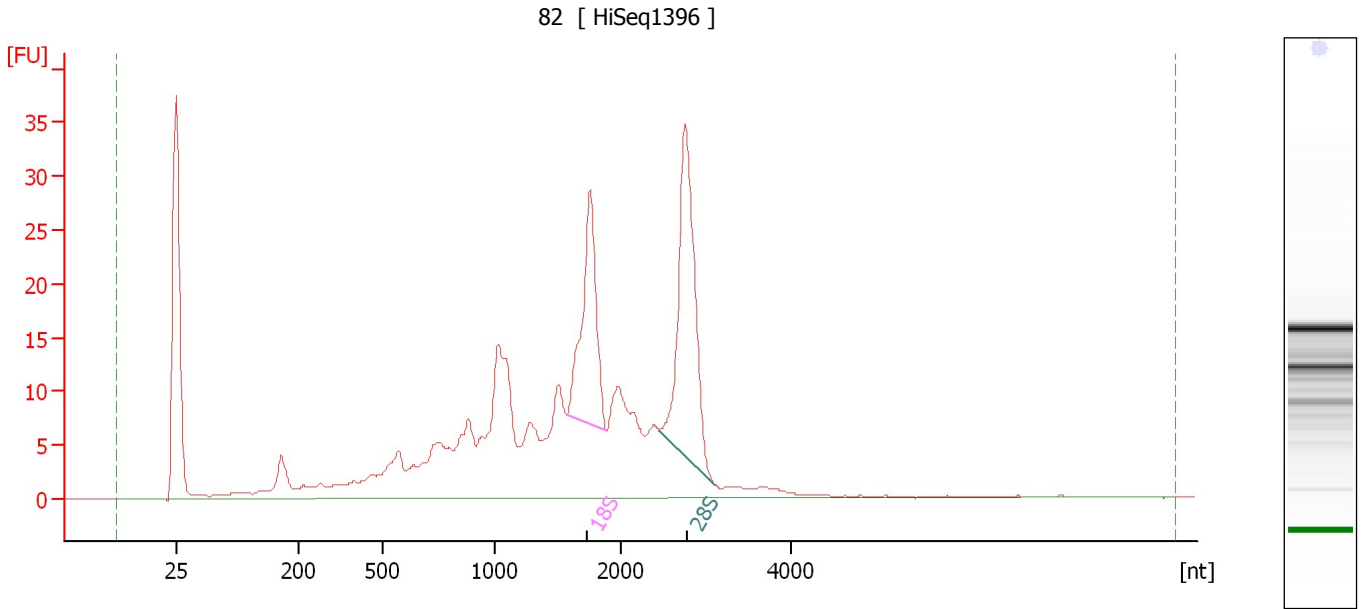
**Fragment table for sample 1 : 81**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,906	62.5	9.9
28S	2,508	3,155	86.7	13.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 82**

RNA Area:	380.5	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	1,283 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]:	1.5	Result Flagging Label:	RIN: 7.30

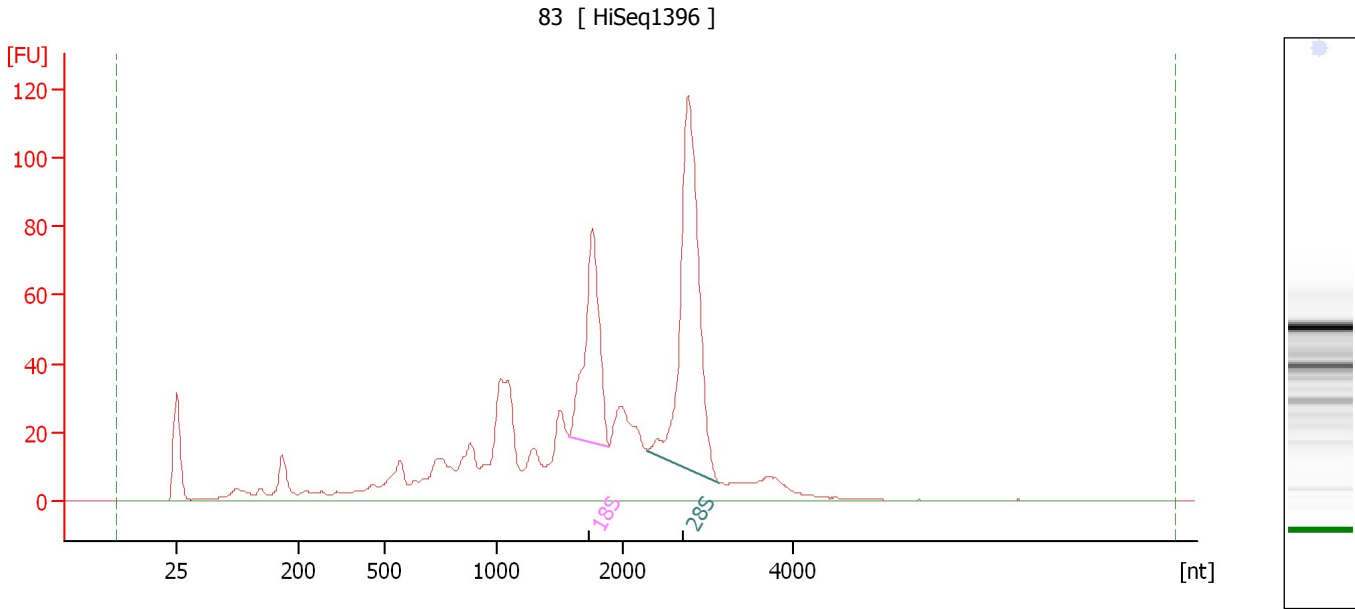
**Fragment table for sample 2 : 82**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,884	39.7	10.4
28S	2,457	3,098	58.4	15.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 83**

RNA Area:	1,034.5	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,489 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]:	2.0	Result Flagging Label:	RIN: 7.80

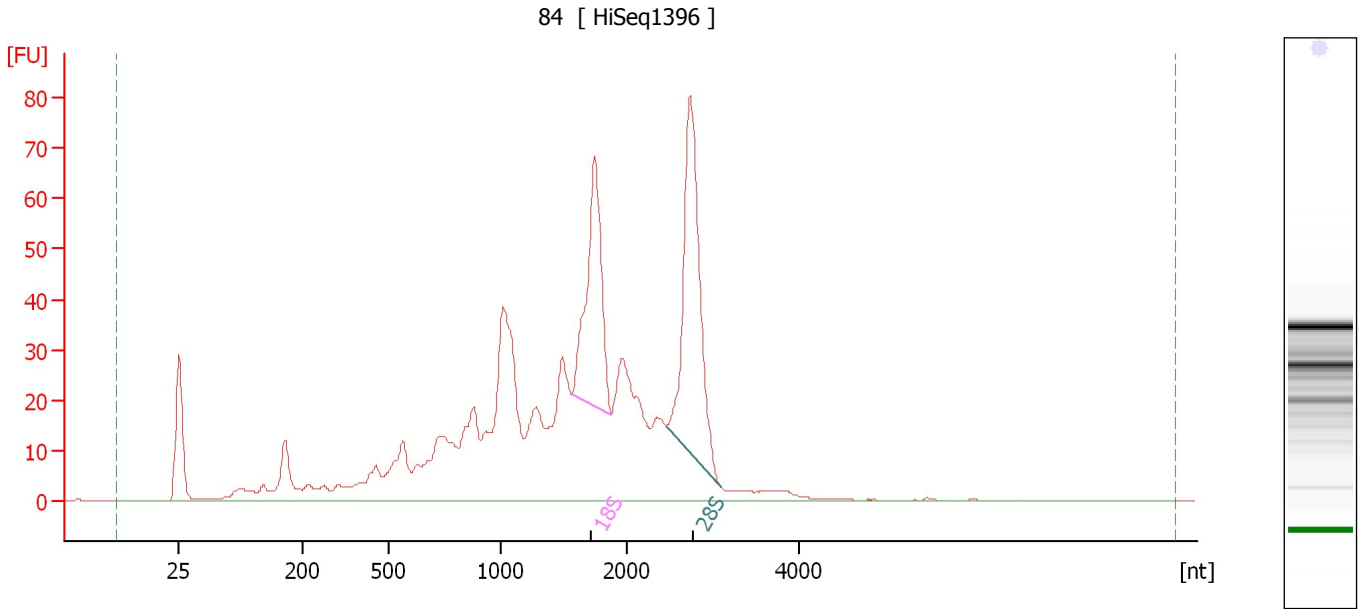
**Fragment table for sample 3 : 83**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,893	116.6	11.3
28S	2,281	3,134	231.8	22.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 84**

RNA Area: 940.6                      RNA Integrity Number (RIN): 6.9 (B.02.08)  
RNA Concentration: 3,172 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN: 6.90

**Fragment table for sample 4 : 84**

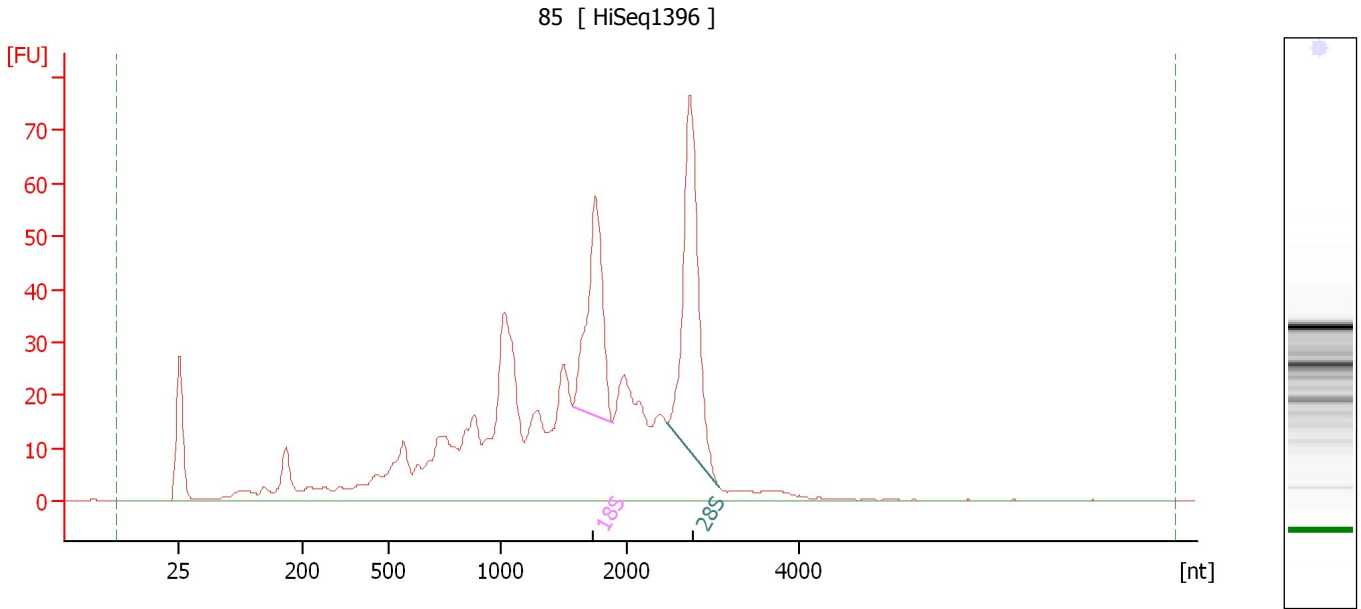
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,878	93.1	9.9
28S	2,456	3,093	132.2	14.1



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 85**

RNA Area:	836.8	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	2,822 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]:	1.4	Result Flagging Label:	RIN:7

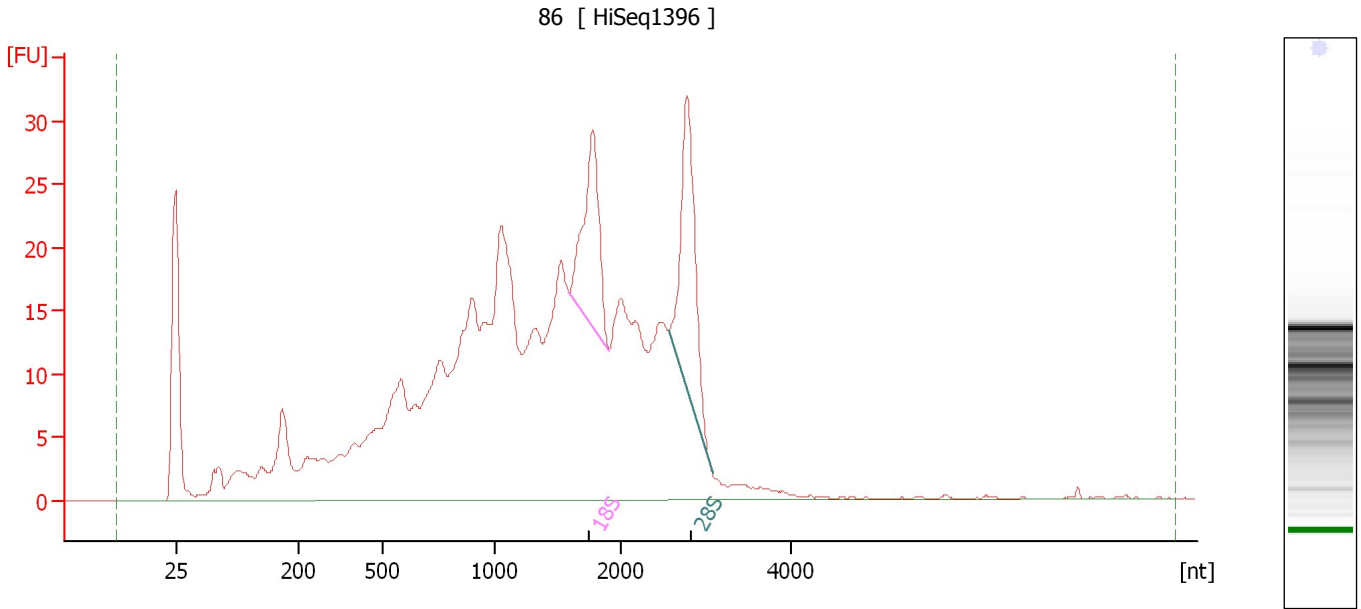
**Fragment table for sample 5 : 85**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,886	79.9	9.5
28S	2,469	3,068	115.6	13.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 86**

RNA Area:	654.4	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	2,207 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]:	1.3	Result Flagging Label:	RIN: 5.10

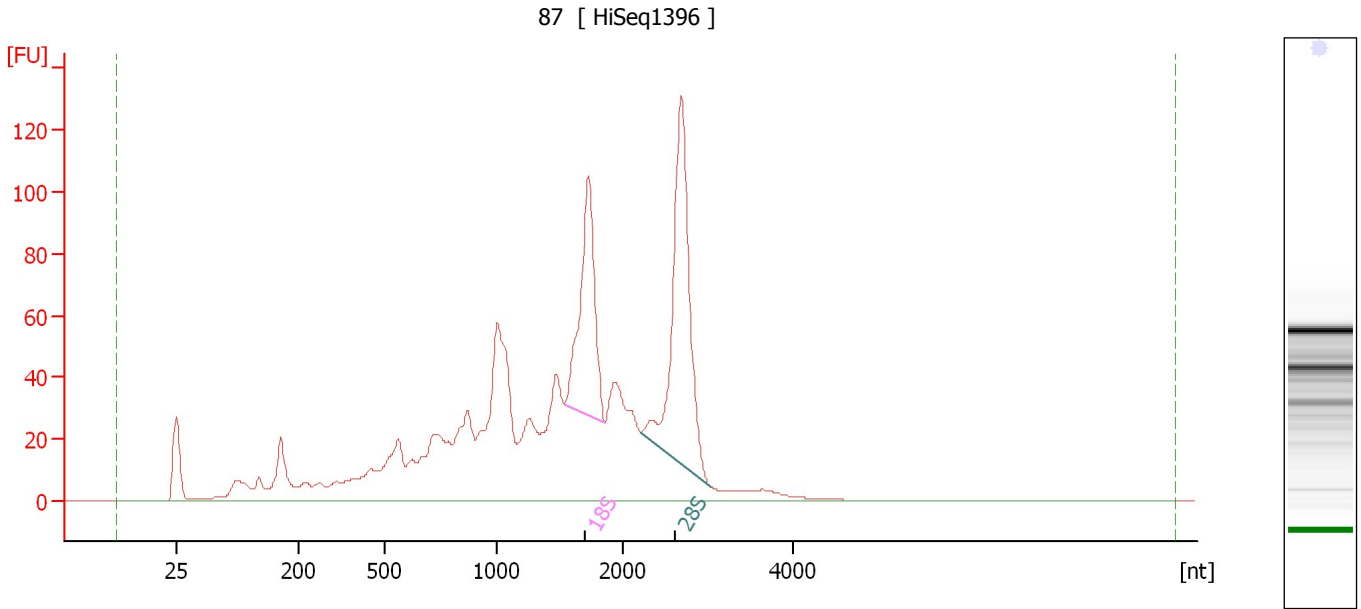
**Fragment table for sample 6 : 86**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,909	30.7	4.7
28S	2,557	3,073	39.6	6.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 87**

RNA Area: 1,488.1                      RNA Integrity Number (RIN): 7 (B.02.08)  
RNA Concentration: 5,019 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6                      Result Flagging Label: RIN:7

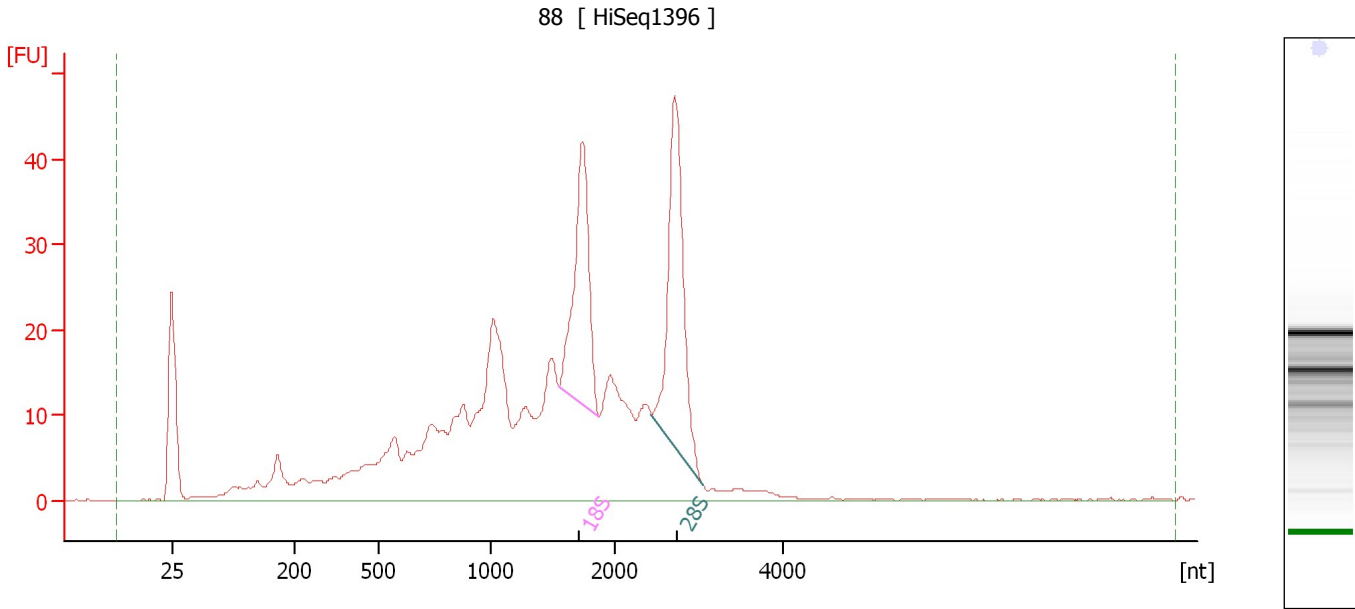
**Fragment table for sample 7 : 87**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	1,851	144.6	9.7
28S	2,206	3,033	231.0	15.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
 Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 88**

RNA Area:	590.3	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	1,991 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]:	1.3	Result Flagging Label:	RIN: 6.70

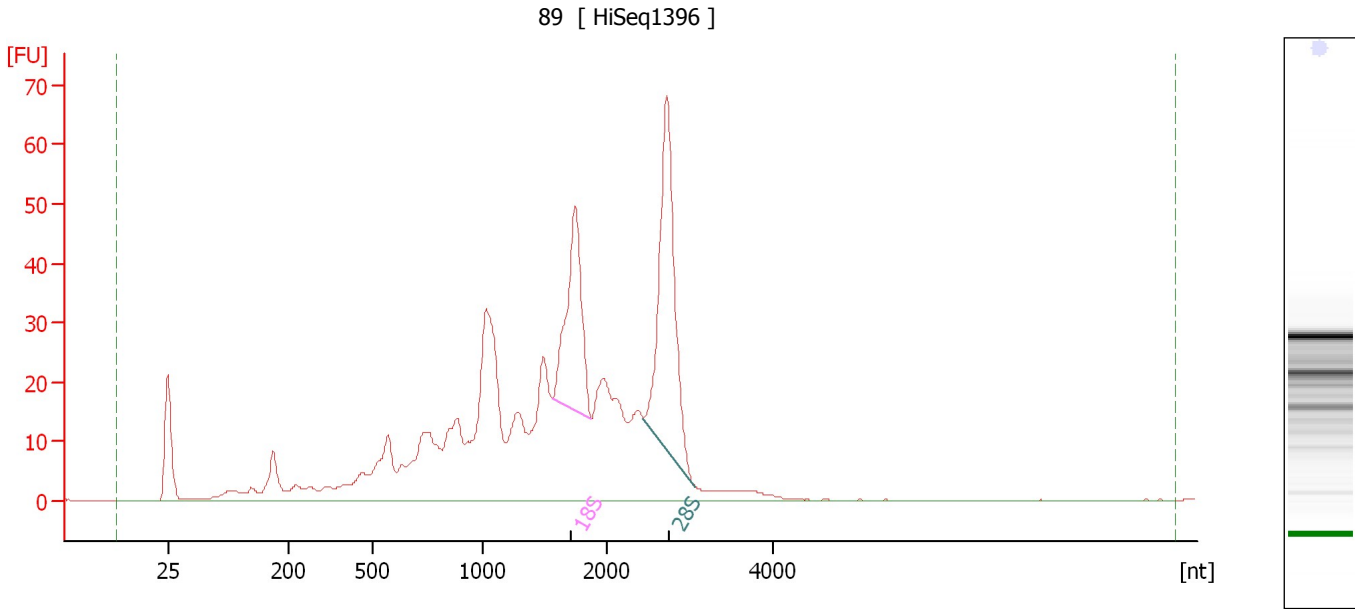
**Fragment table for sample 8 : 88**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,873	57.7	9.8
28S	2,432	3,052	72.7	12.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 89**

RNA Area:	755.2	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	2,547 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]:	1.6	Result Flagging Label:	RIN:7

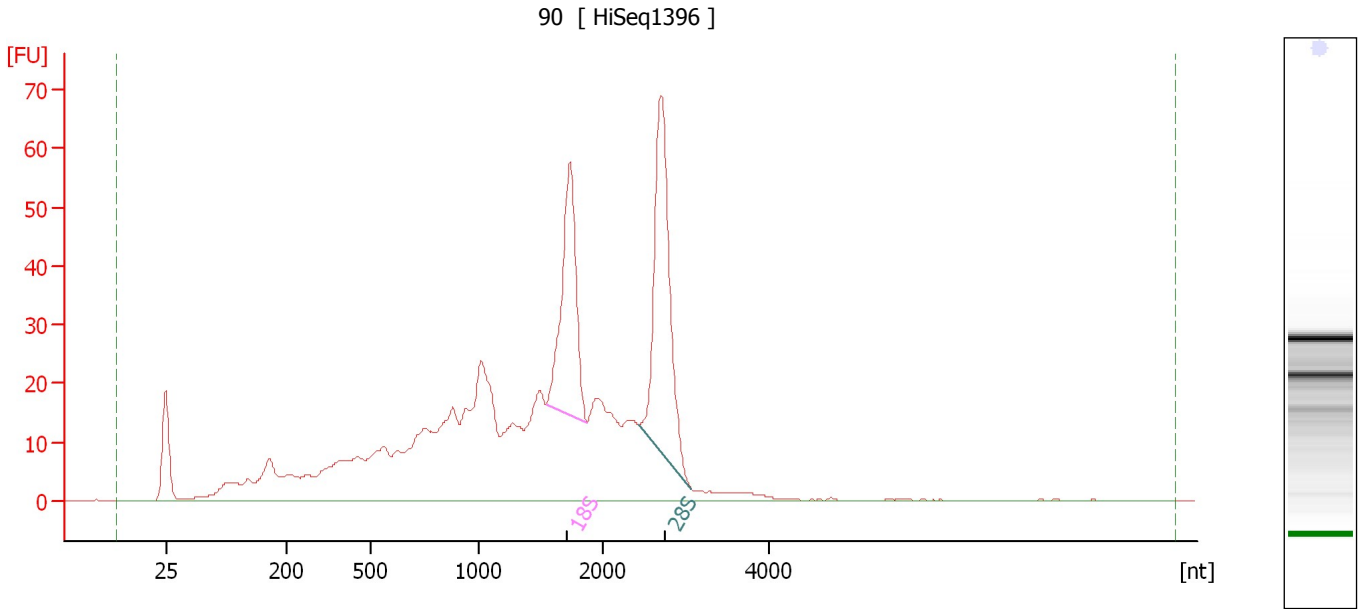
**Fragment table for sample 9 : 89**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,878	67.9	9.0
28S	2,446	3,058	106.4	14.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 90**

RNA Area:	833.3	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	2,810 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]:	1.4	Result Flagging Label:	RIN: 6.80

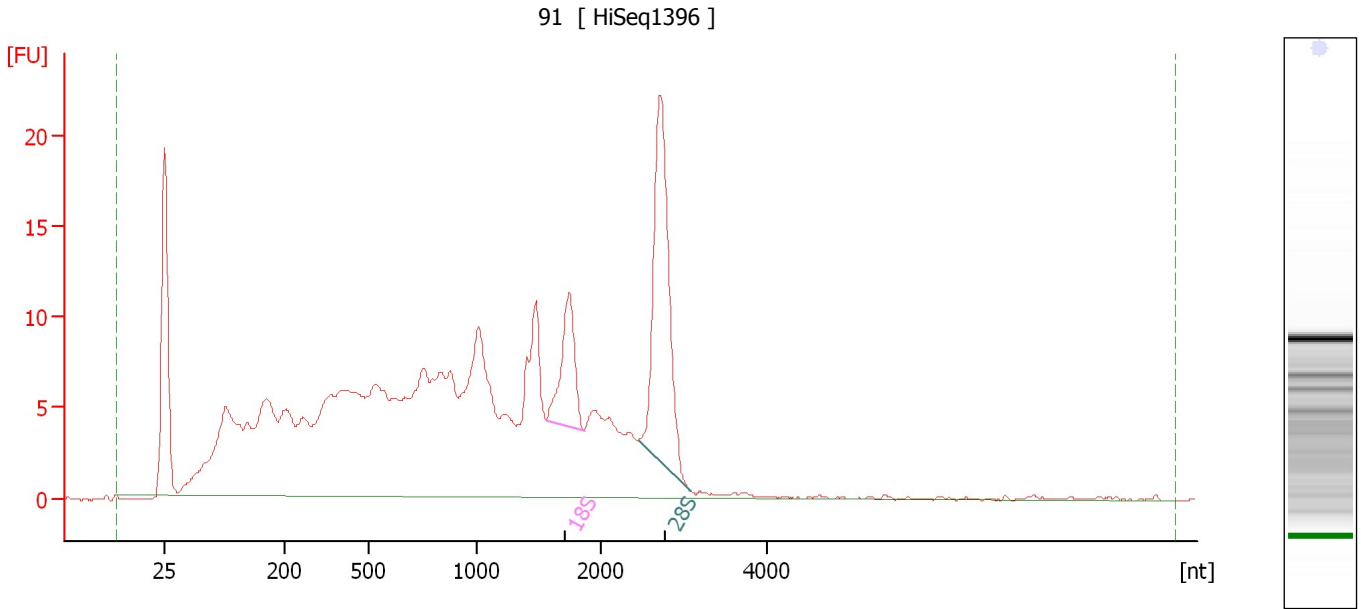
**Fragment table for sample 10 : 90**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,876	81.2	9.7
28S	2,433	3,074	110.8	13.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 91**

RNA Area: 376.9                      RNA Integrity Number (RIN): 5.6 (B.02.08)  
RNA Concentration: 1,271 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.8                      Result Flagging Label: RIN: 5.60

**Fragment table for sample 11 : 91**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	1,867	13.1	3.5
28S	2,459	3,089	36.7	9.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_002.xad

Created: 6/25/2018 11:17:02 AM  
Modified: 6/25/2018 12:00:38 PM

**Gel Image**

