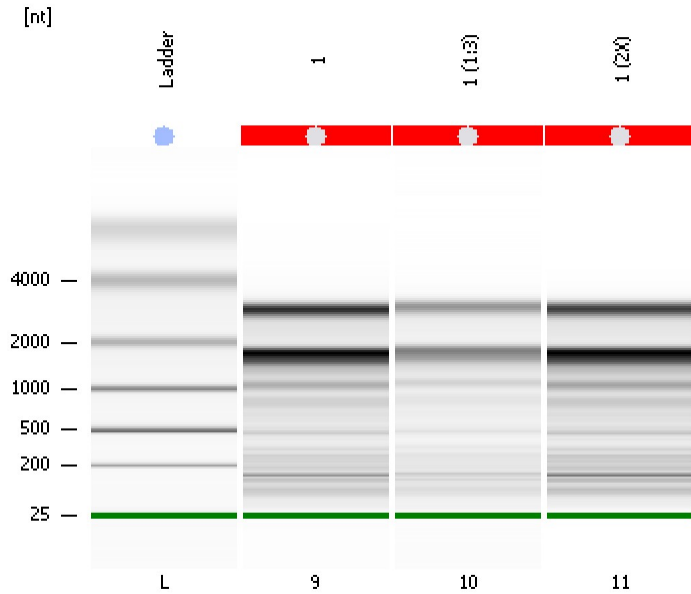


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
Modified: 11/21/2016 4:34:12 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\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

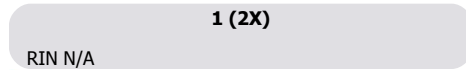
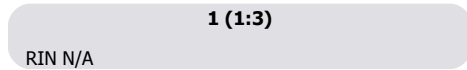
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
 Modified: 11/21/2016 4:34:12 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1		✓	RIN N/A	
1 (1:3)		✓	RIN N/A	
1 (2X)		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
Modified: 11/21/2016 4:34:12 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

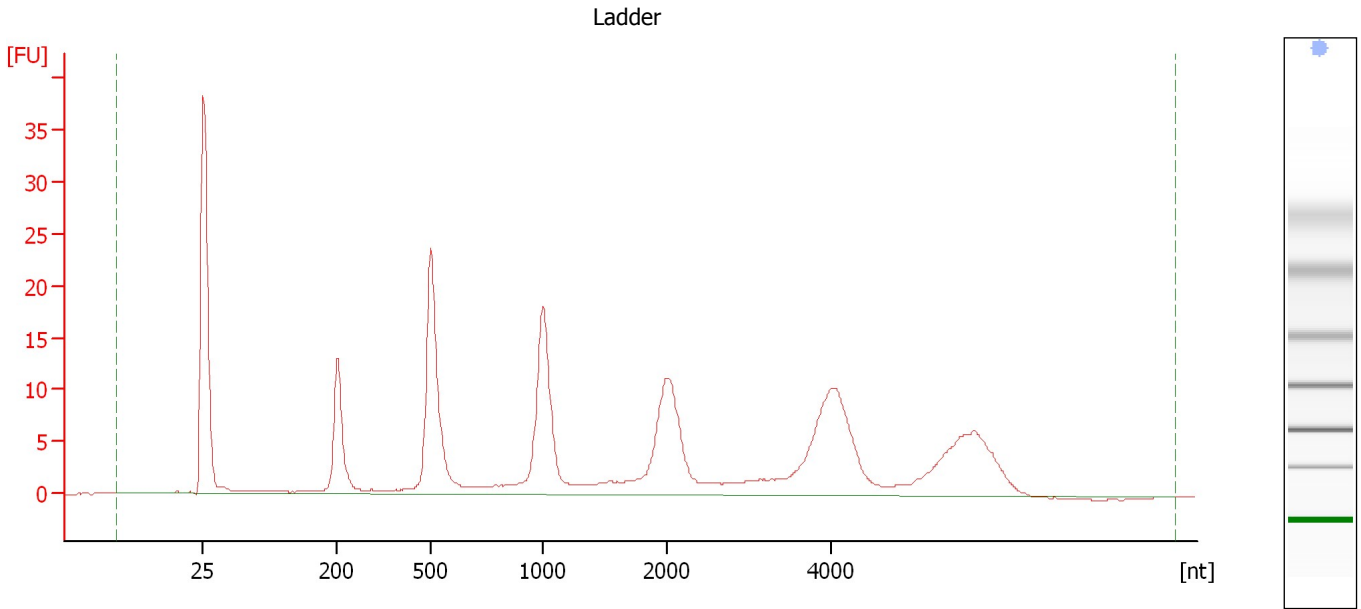
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
Modified: 11/21/2016 4:34:12 PM

**Electropherogram Summary**



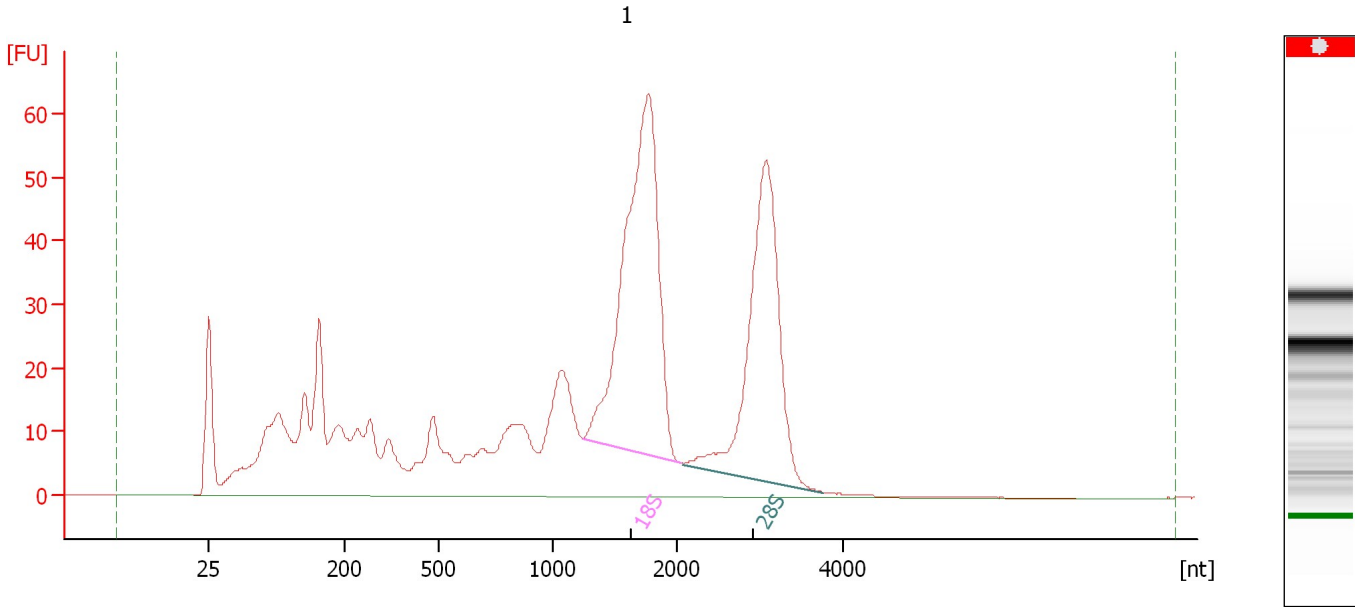
**Overall Results for Ladder**

RNA Area:	249.0	Result Flagging Color:	<span style="background-color: blue; 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:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
 Modified: 11/21/2016 4:34:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 1**

RNA Area:	991.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,980 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

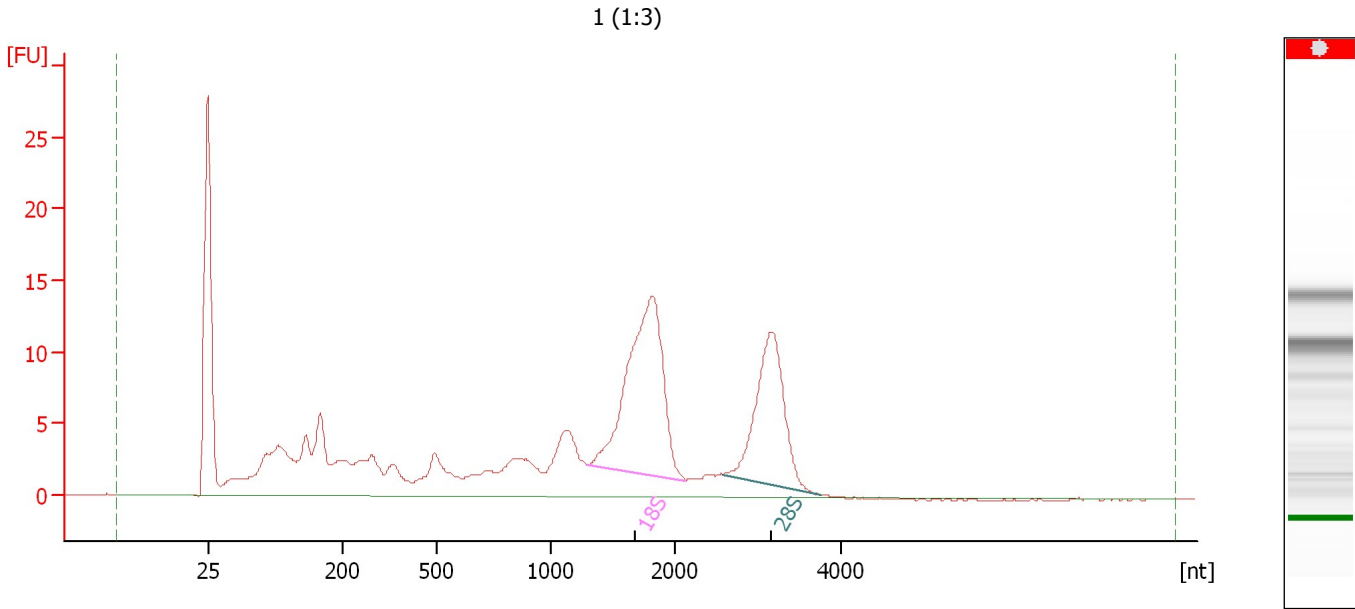
**Fragment table for sample 9 : 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,246	2,043	234.4	23.7
28S	2,081	3,741	161.1	16.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
Modified: 11/21/2016 4:34:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 1 (1:3)**

RNA Area:	234.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	943 µg/µl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN N/A

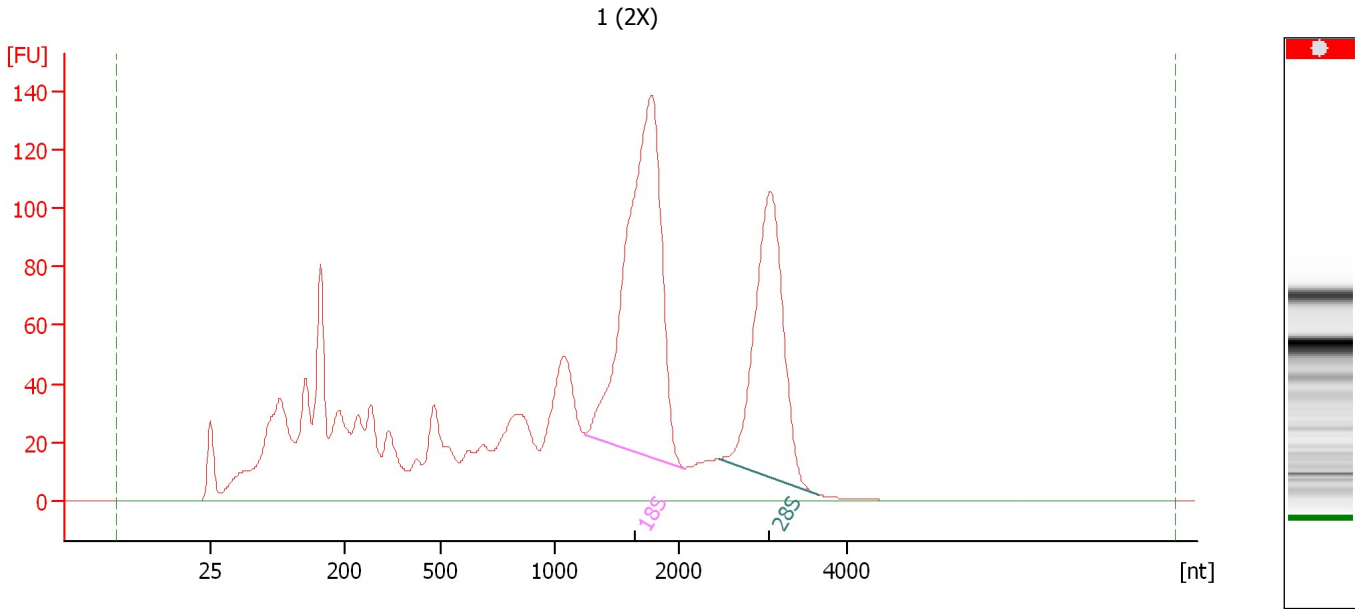
**Fragment table for sample 10 : 1 (1:3)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,295	2,132	53.7	22.9
28S	2,579	3,744	32.4	13.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
 Modified: 11/21/2016 4:34:12 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 1 (2X)**

RNA Area:	2,353.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9,453 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN N/A

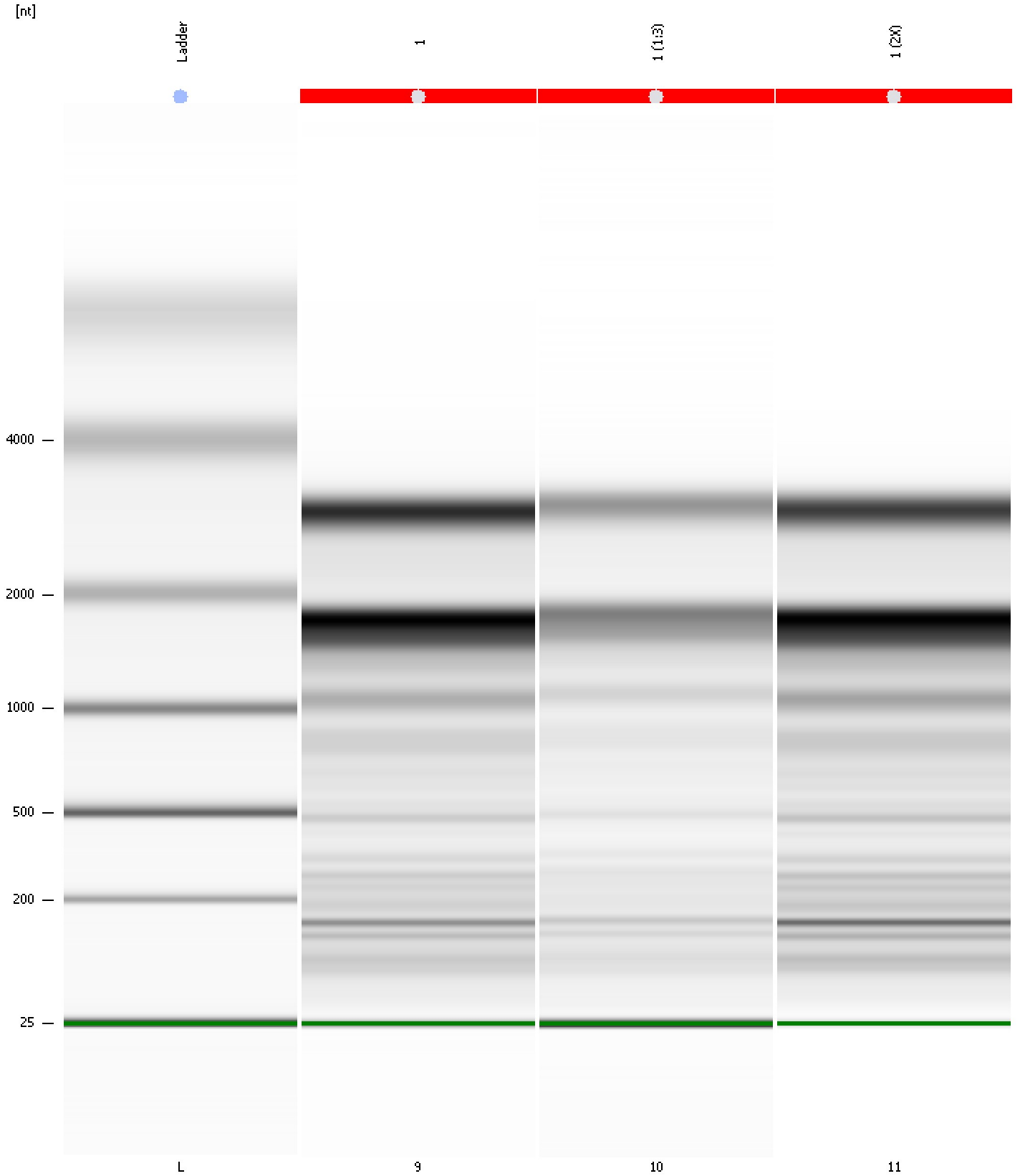
**Fragment table for sample 11 : 1 (2X)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,248	2,069	526.8	22.4
28S	2,477	3,675	301.3	12.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
Modified: 11/21/2016 4:34:12 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2016-11-21\2016-11-21\_005\_RNAQC.xad

Created: 11/21/2016 4:01:56 PM  
 Modified: 11/21/2016 4:34:12 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/21/2016 4:24:49 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_005.xad)		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/21/2016 4:02:02 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1