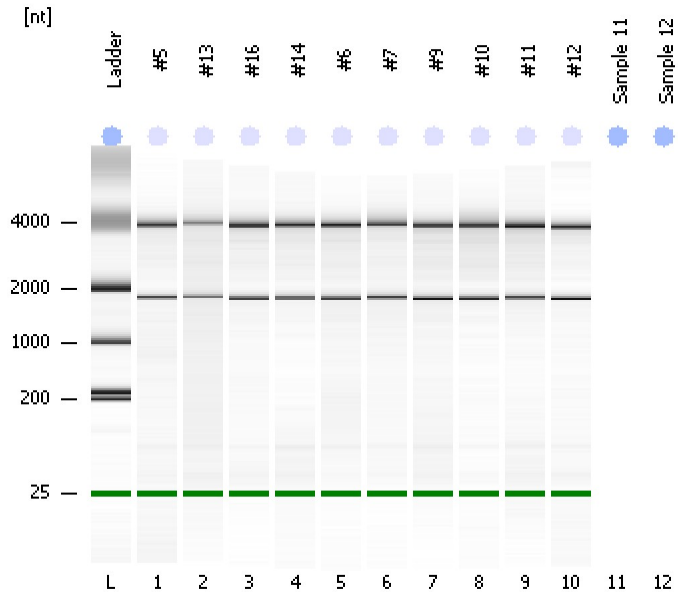


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

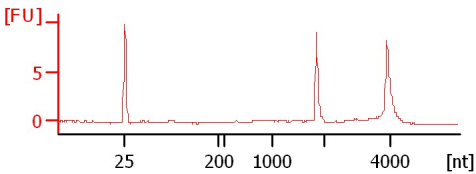
Assay Information:

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

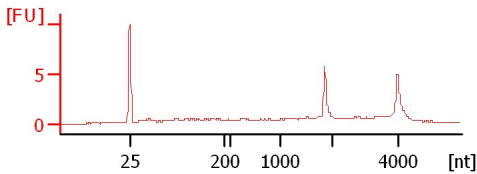
Chip Information:

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

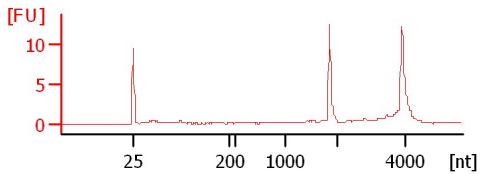
#5
RIN: 8.80



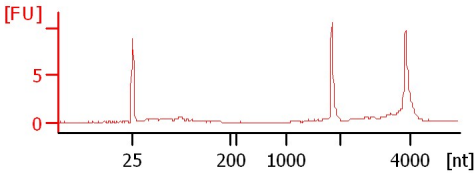
#13
RIN: 2.50



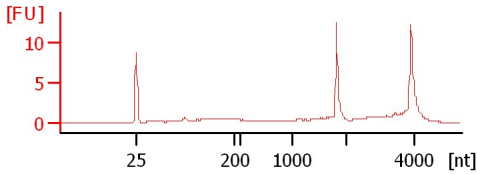
#16
RIN: 9.30



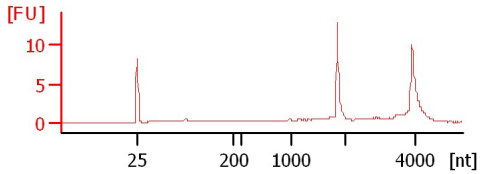
#14
RIN: 9.90



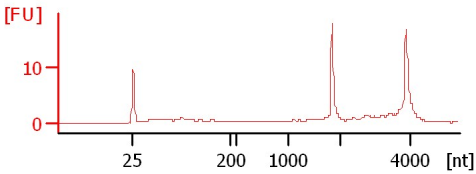
#6
RIN: 7.80



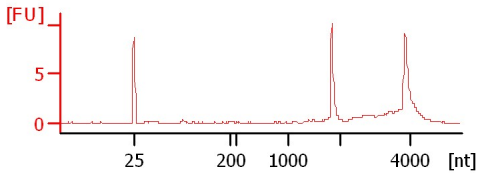
#7
RIN: 8.30



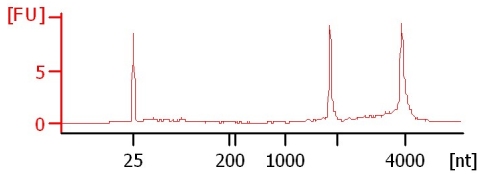
#9
RIN: 8.30



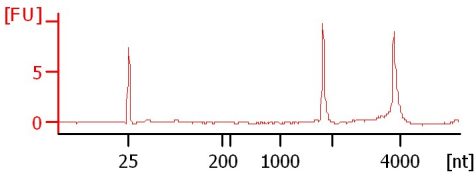
#10
RIN: 9.30



#11
RIN: 9.50



#12
RIN: 9.60



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
 Modified: 11/16/2017 5:08:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
#5		✓	RIN: 8.80	
#13		✓	RIN: 2.50	
#16		✓	RIN: 9.30	
#14		✓	RIN: 9.90	
#6		✓	RIN: 7.80	
#7		✓	RIN: 8.30	
#9		✓	RIN: 8.30	
#10		✓	RIN: 9.30	
#11		✓	RIN: 9.50	
#12		✓	RIN: 9.60	
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

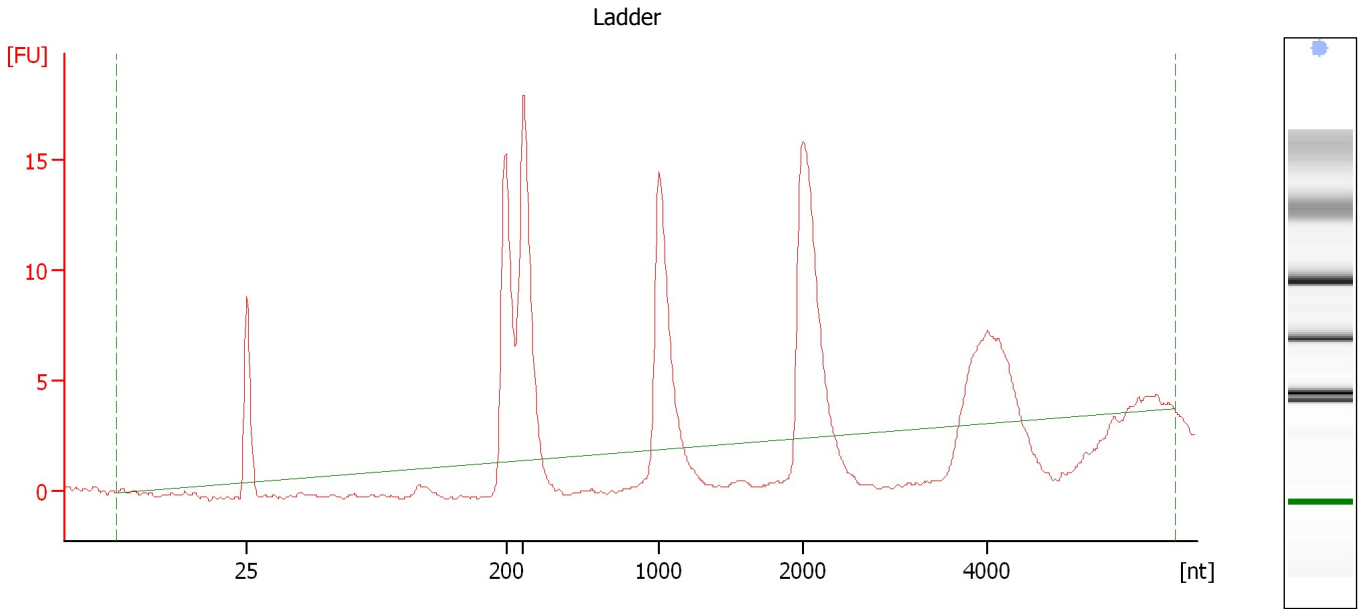
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary



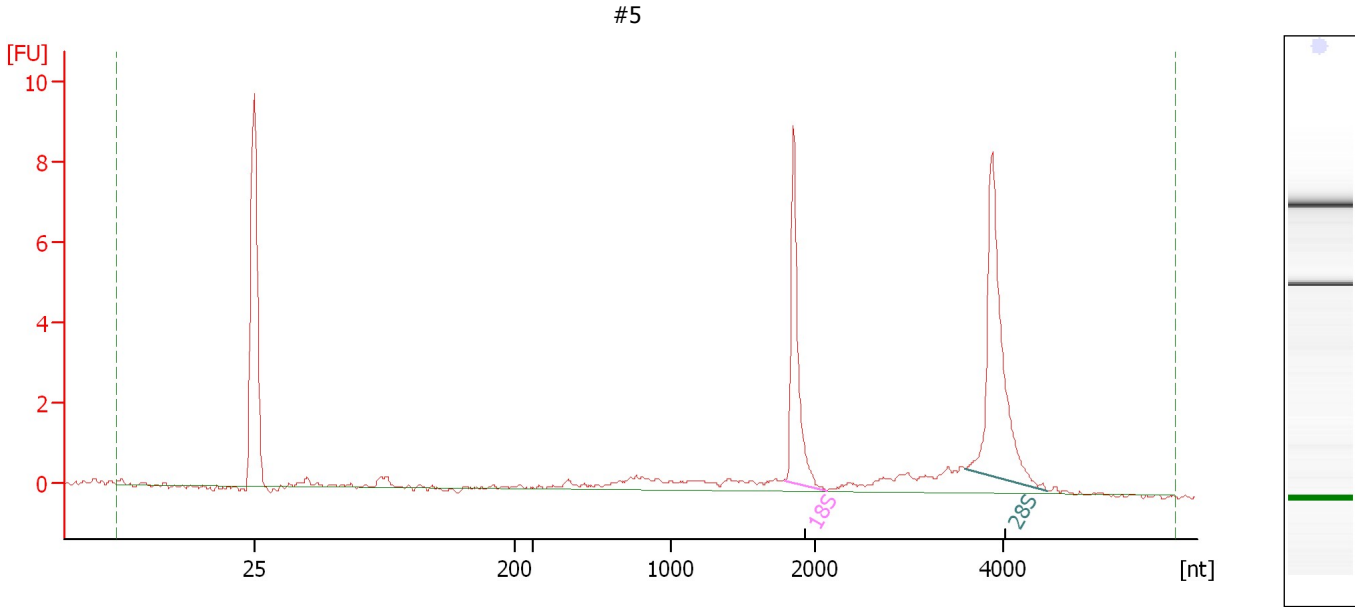
Overall Results for Ladder

RNA Area:	101.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : #5

RNA Area: 29.6 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 44 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

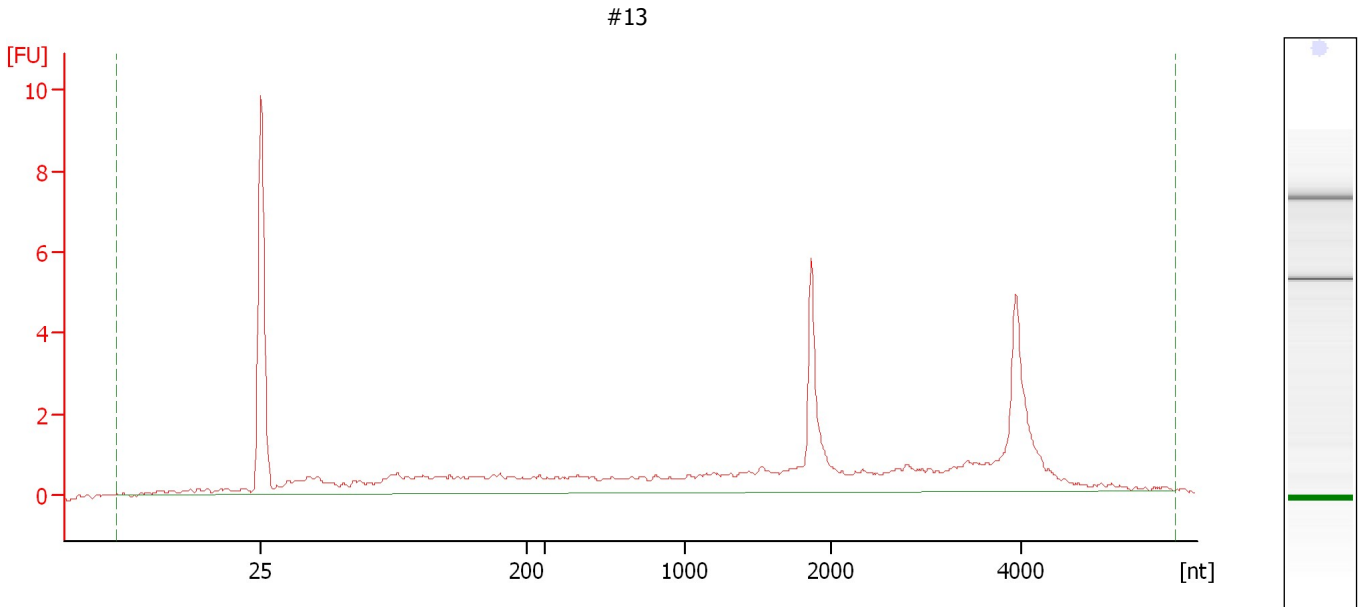
Fragment table for sample 1 : #5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,792	2,113	6.6	22.3
28S	3,598	4,478	10.2	34.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



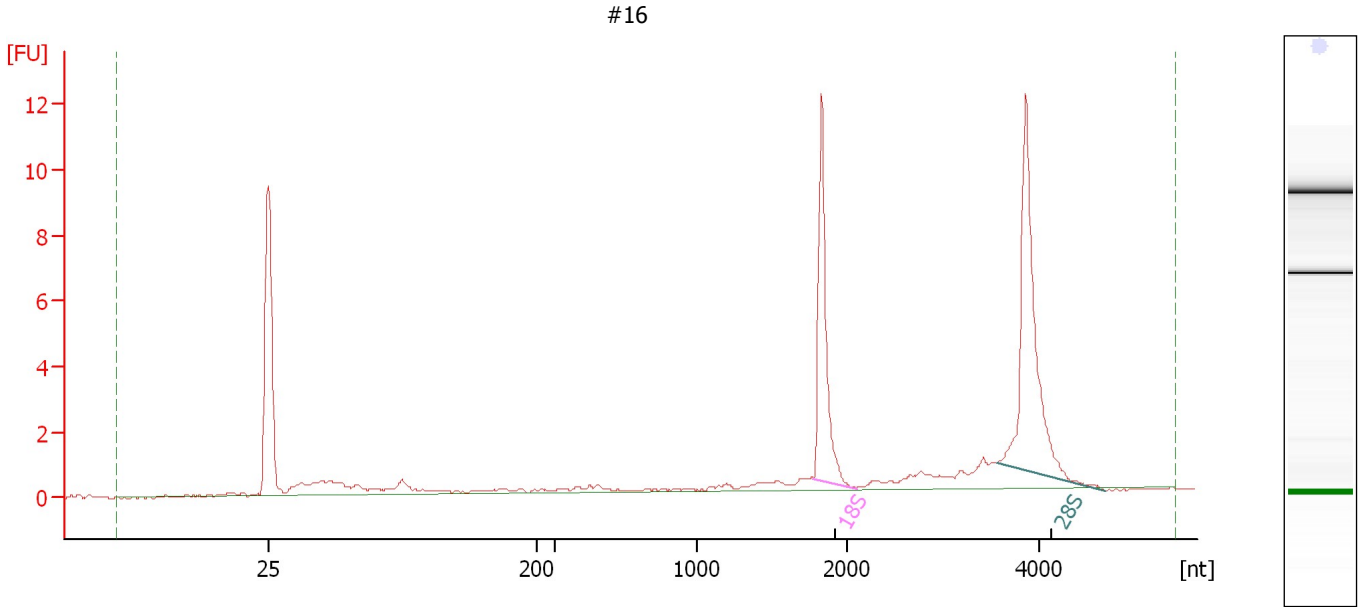
Overall Results for sample 2 : #13

RNA Area:	45.8	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	68 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : #16

RNA Area:	43.4	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	64 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.30

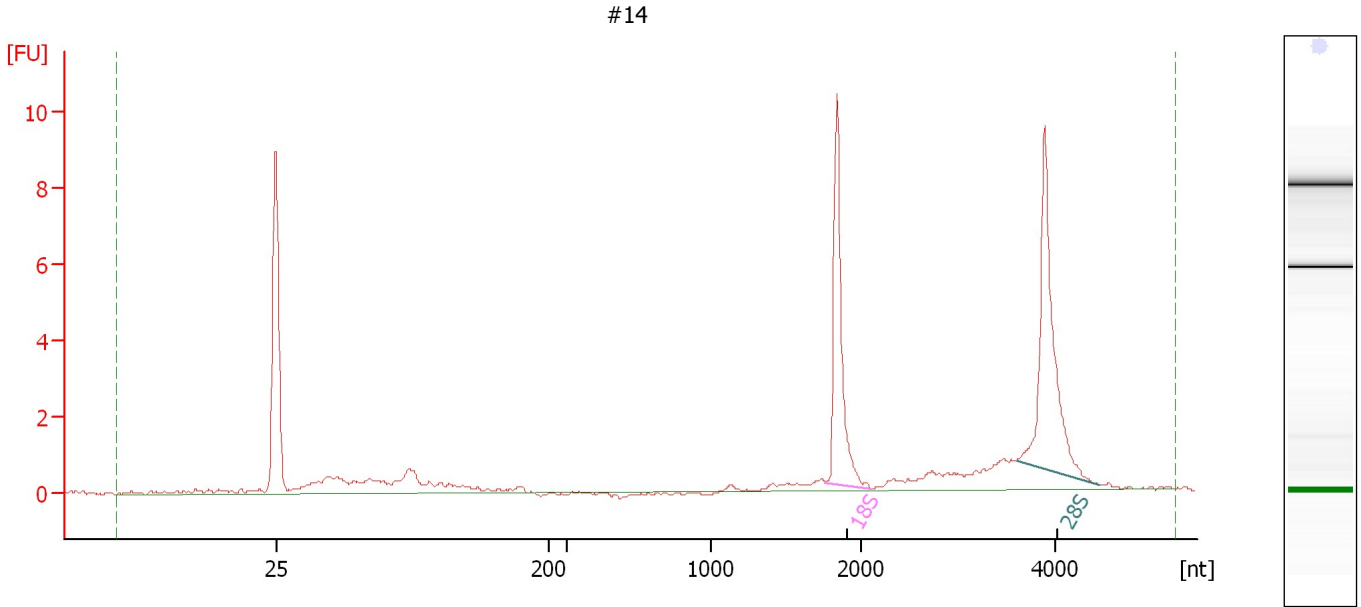
Fragment table for sample 3 : #16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,782	2,107	8.6	19.9
28S	3,565	4,700	13.2	30.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
 Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : #14

RNA Area:	36.8	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.90

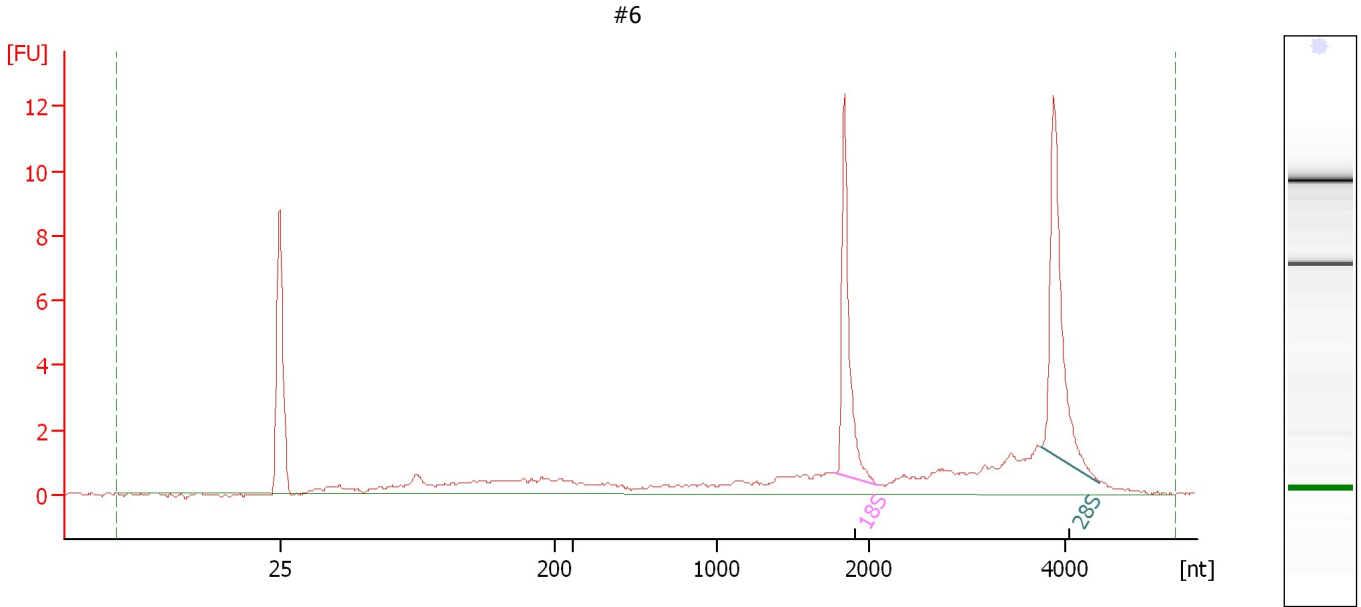
Fragment table for sample 4 : #14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,763	2,105	7.6	20.8
28S	3,598	4,455	10.0	27.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : #6

RNA Area:	54.8	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	81 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.80

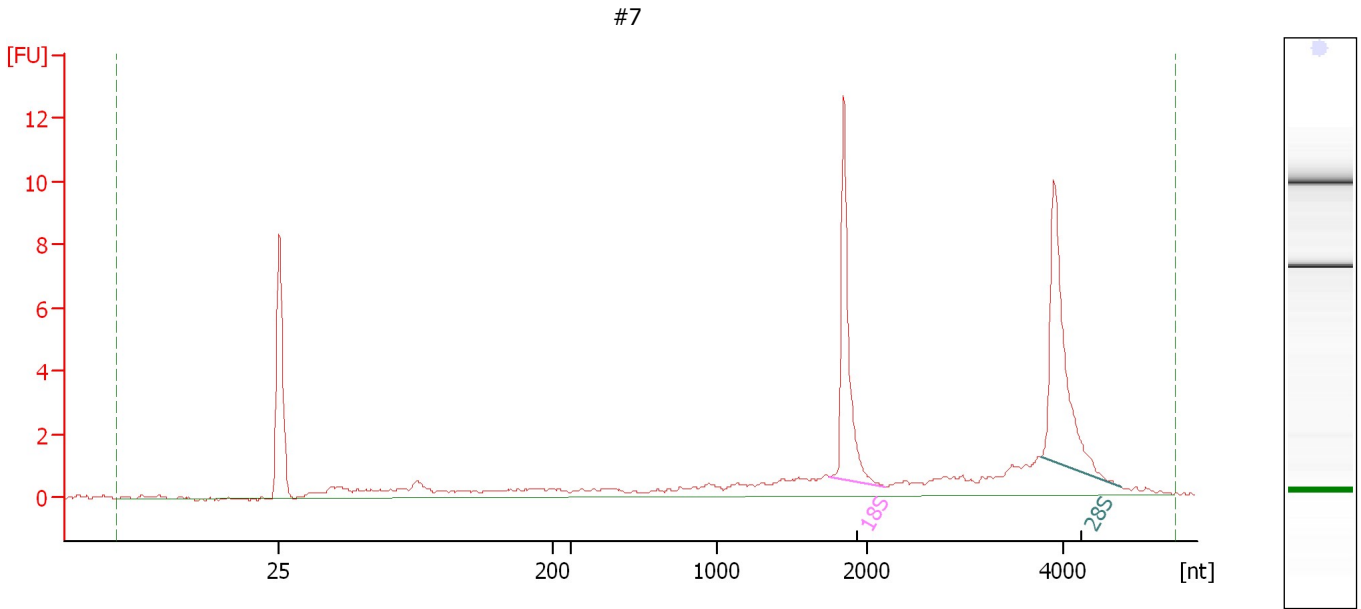
Fragment table for sample 5 : #6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,771	2,081	8.7	15.8
28S	3,749	4,349	10.2	18.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : #7

RNA Area: 50.8 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 75 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.30

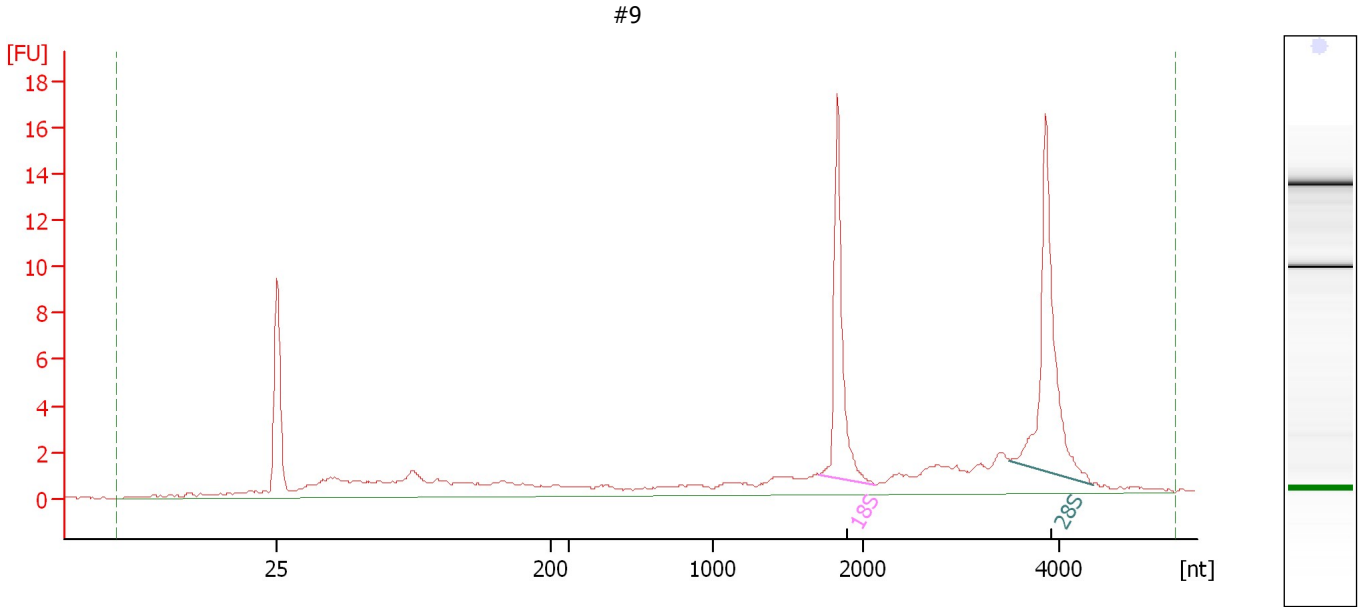
Fragment table for sample 6 : #7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,749	2,180	9.2	18.1
28S	3,774	4,583	10.7	21.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : #9

RNA Area: 90.5 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 134 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.30

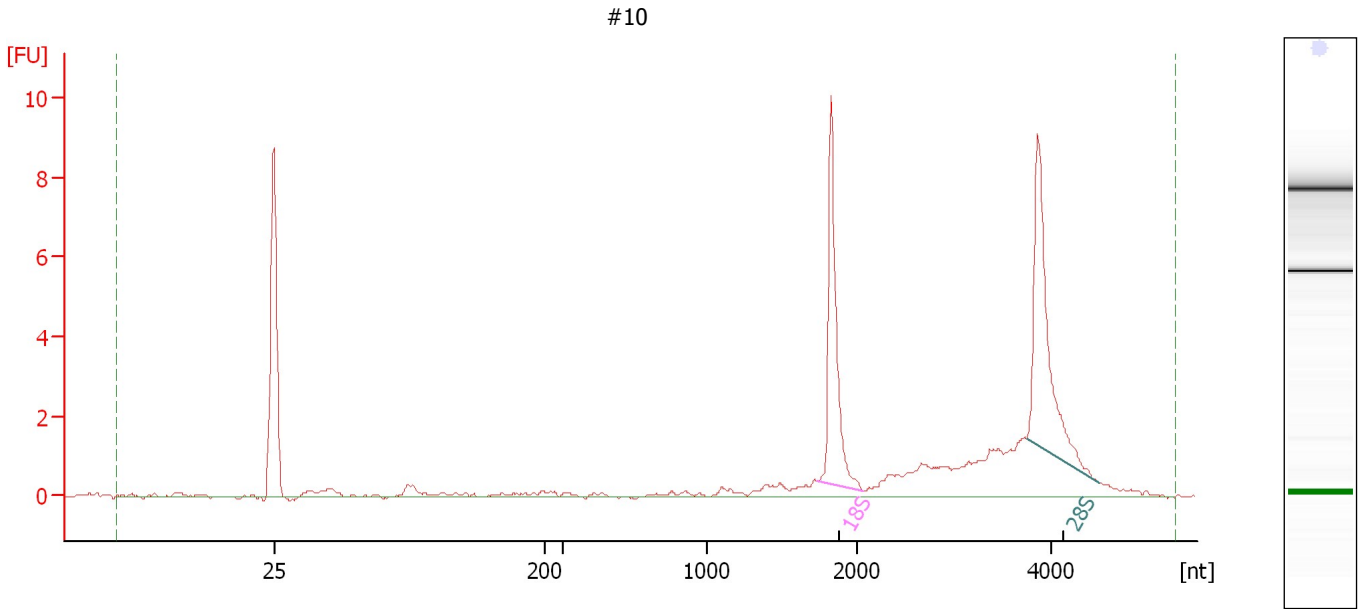
Fragment table for sample 7 : #9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,126	12.8	14.1
28S	3,496	4,351	17.1	18.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : #10

RNA Area:	39.1	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	58 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.30

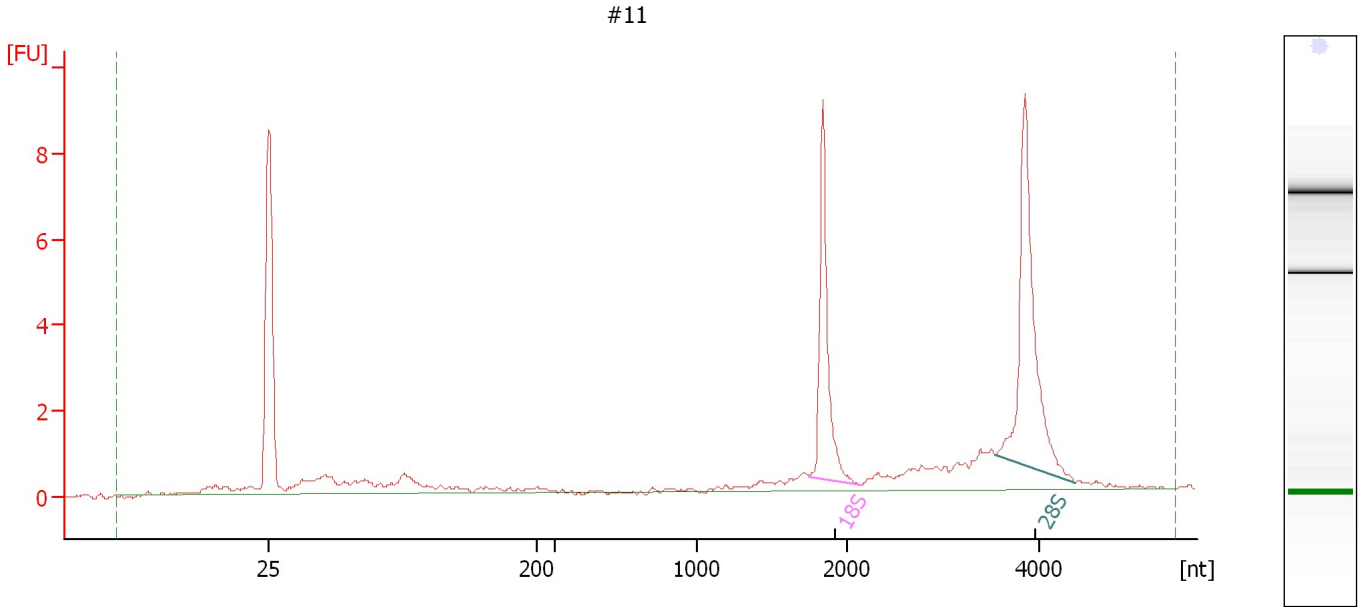
Fragment table for sample 8 : #10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,072	7.6	19.6
28S	3,748	4,497	9.0	23.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : #11

RNA Area: 38.8 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 57 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.50

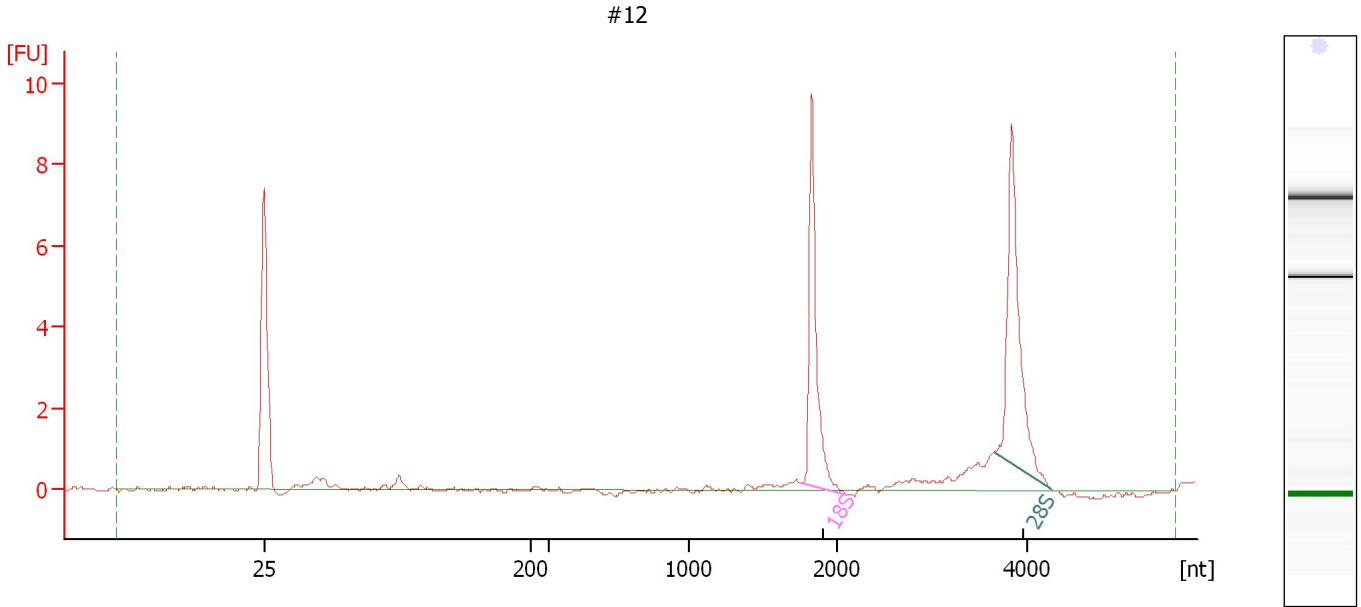
Fragment table for sample 9 : #11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,152	6.9	17.8
28S	3,543	4,377	10.4	26.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : #12

RNA Area:	24.4	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.60

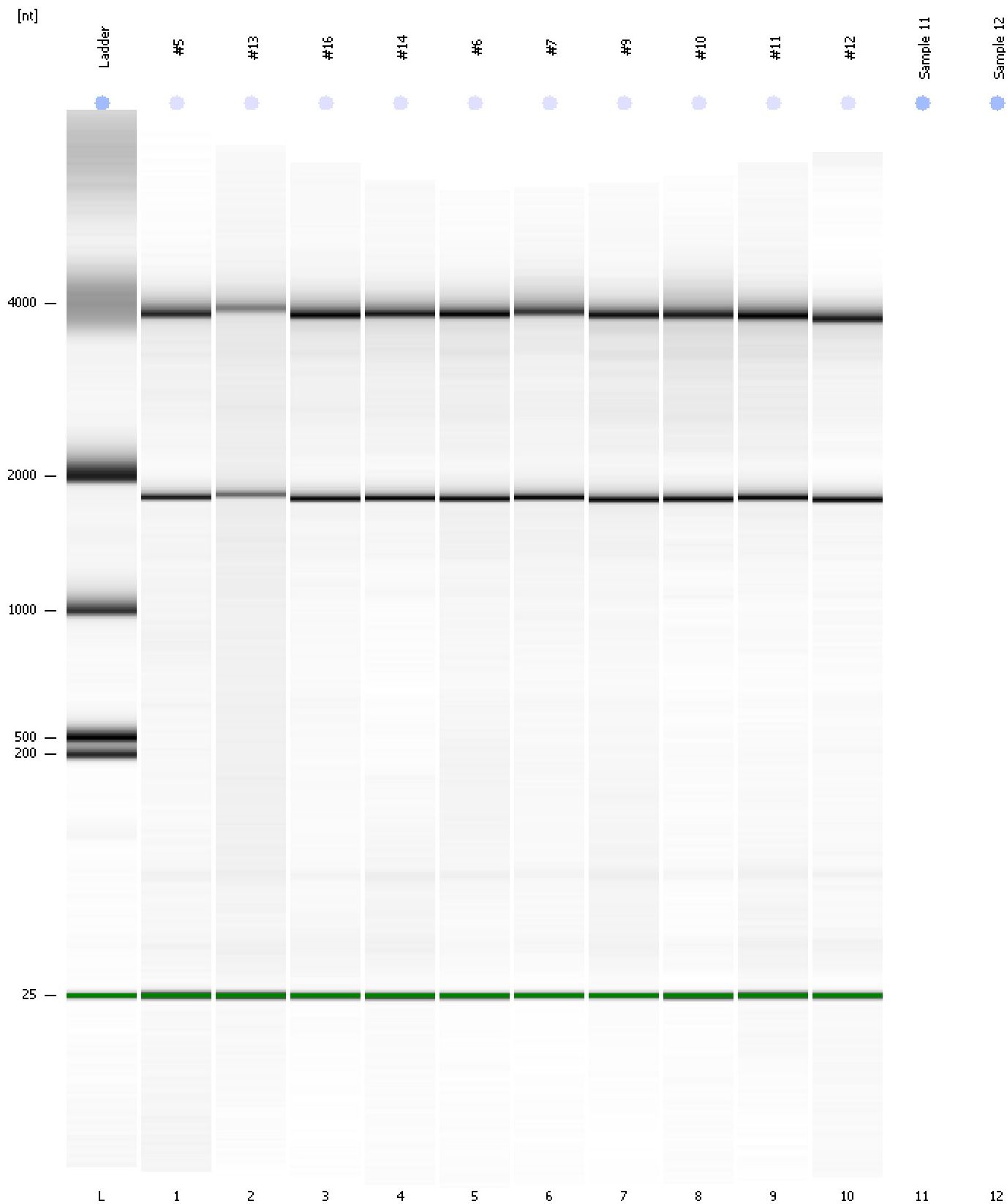
Fragment table for sample 10 : #12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,752	2,098	7.3	29.8
28S	3,656	4,250	8.3	34.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-16\2017-11-16_002.xad

Created: 11/16/2017 4:47:50 PM
Modified: 11/16/2017 5:08:55 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.