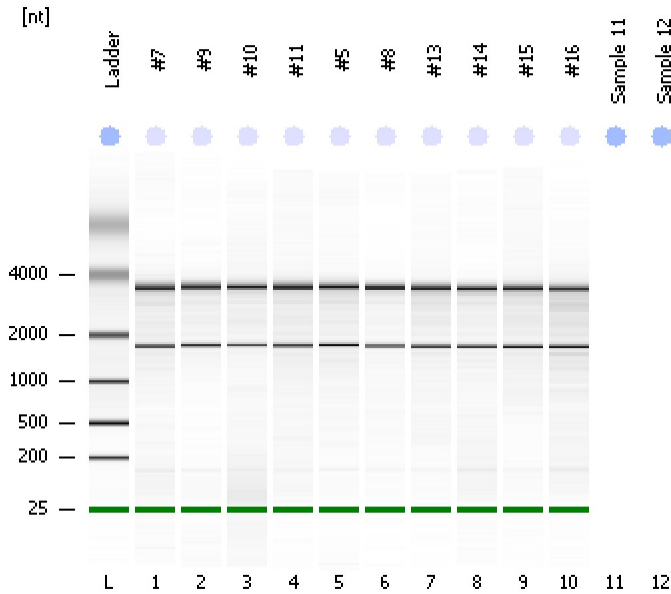


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electrophoresis File Run Summary



Instrument Information:

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

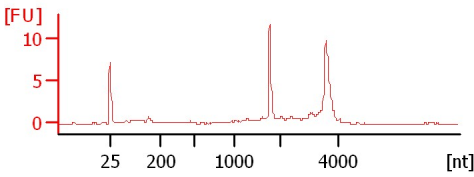
Assay Information:

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.

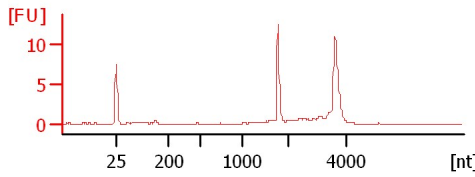
Chip Information:

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

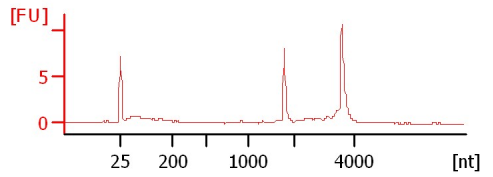
#7
RIN: 8.50



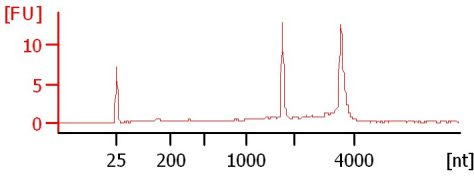
#9
RIN: 9.50



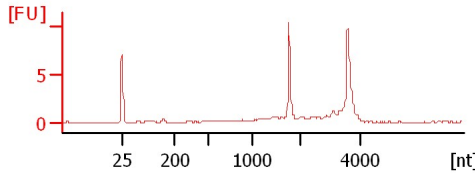
#10
RIN: 9.10



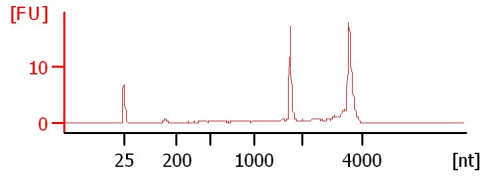
#11
RIN: 8.30



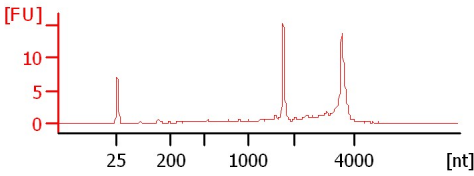
#5
RIN: 8.40



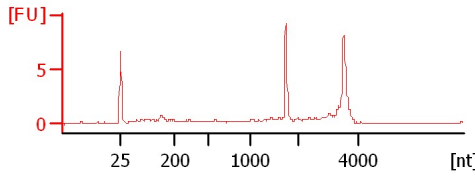
#8
RIN: 8.60



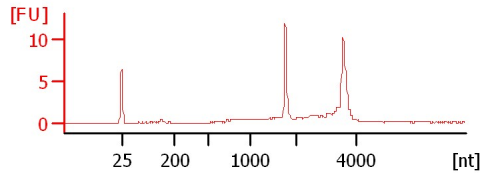
#13
RIN: 8.30



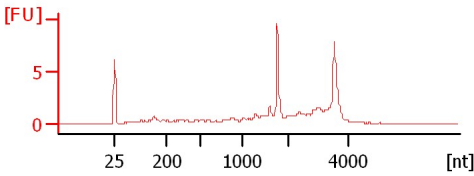
#14
RIN: 8.50



#15
RIN: 8.60



#16
RIN: 7.20



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
 Modified: 11/17/2017 12:13:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
#7		✓	RIN: 8.50	
#9		✓	RIN: 9.50	
#10		✓	RIN: 9.10	
#11		✓	RIN: 8.30	
#5		✓	RIN: 8.40	
#8		✓	RIN: 8.60	
#13		✓	RIN: 8.30	
#14		✓	RIN: 8.50	
#15		✓	RIN: 8.60	
#16		✓	RIN: 7.20	
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\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 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

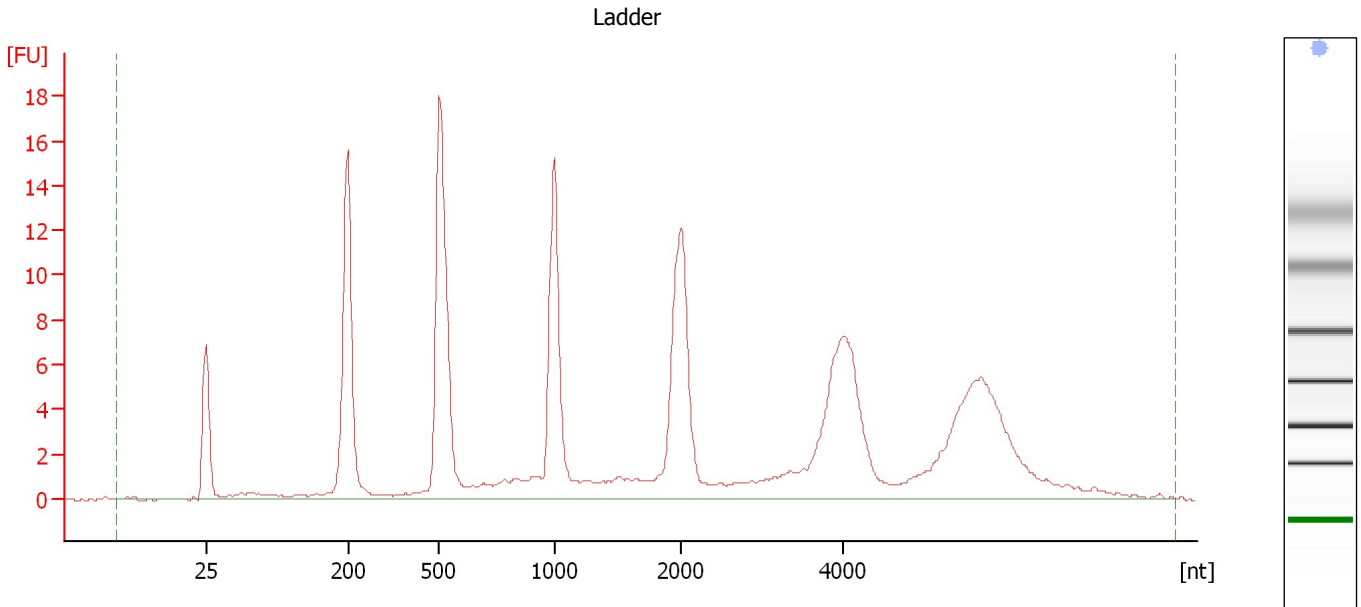
Ladder

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\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary



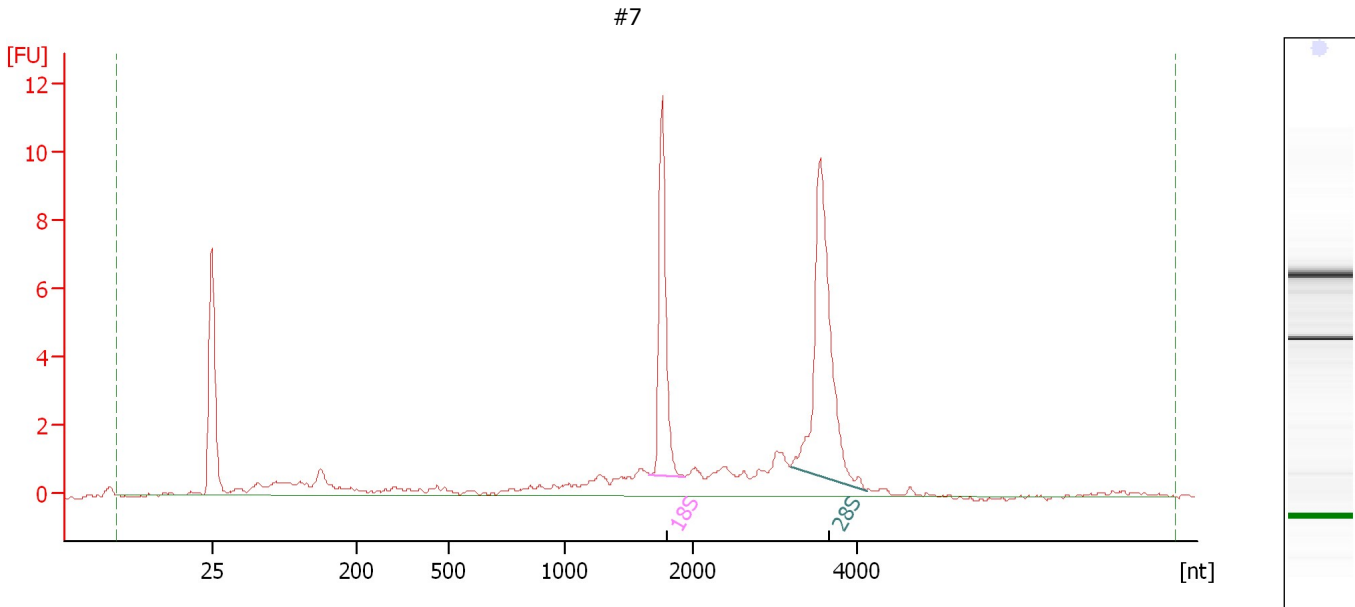
Overall Results for Ladder

RNA Area:	183.0	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : #7

RNA Area:	52.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.50

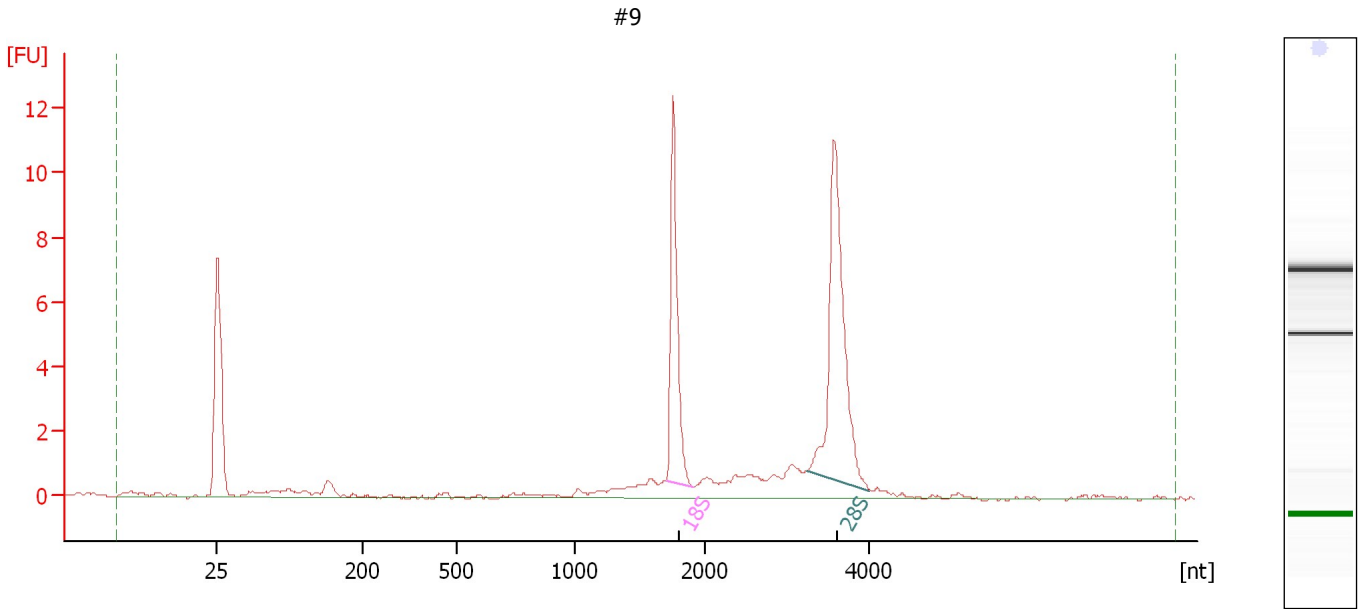
Fragment table for sample 1 : #7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,936	8.6	16.4
28S	3,181	4,110	15.0	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : #9

RNA Area:	46.3	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.50

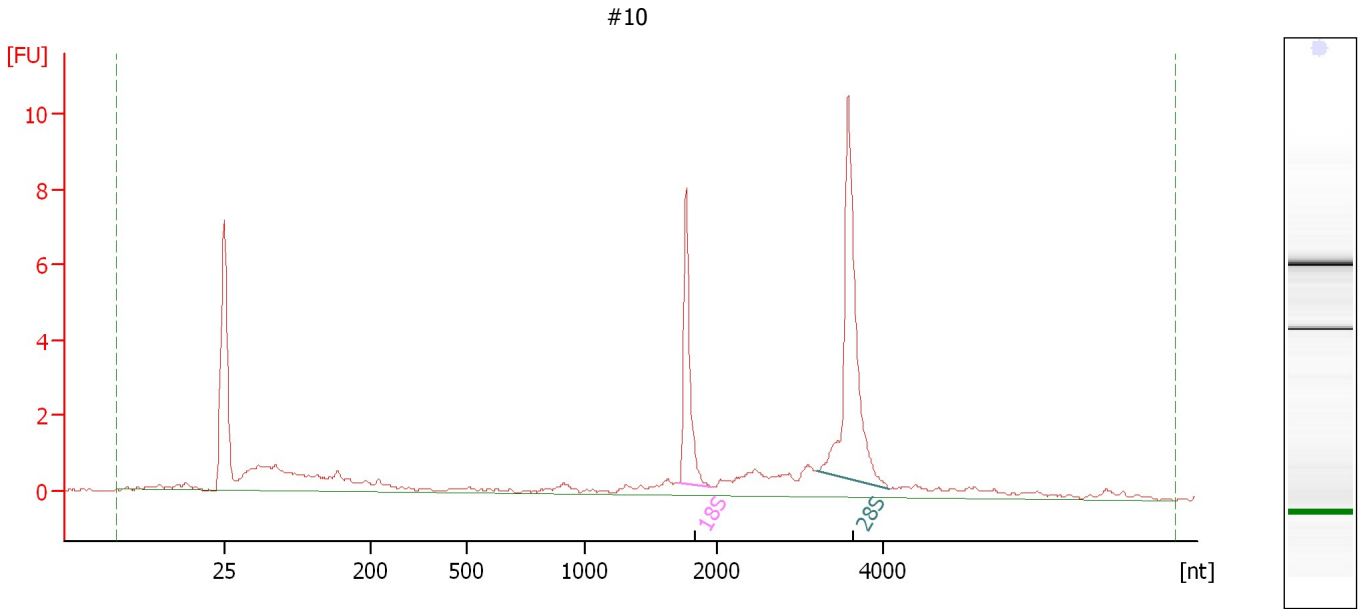
Fragment table for sample 2 : #9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,915	9.1	19.6
28S	3,251	3,988	15.2	32.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : #10

RNA Area: 47.2 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 39 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.10

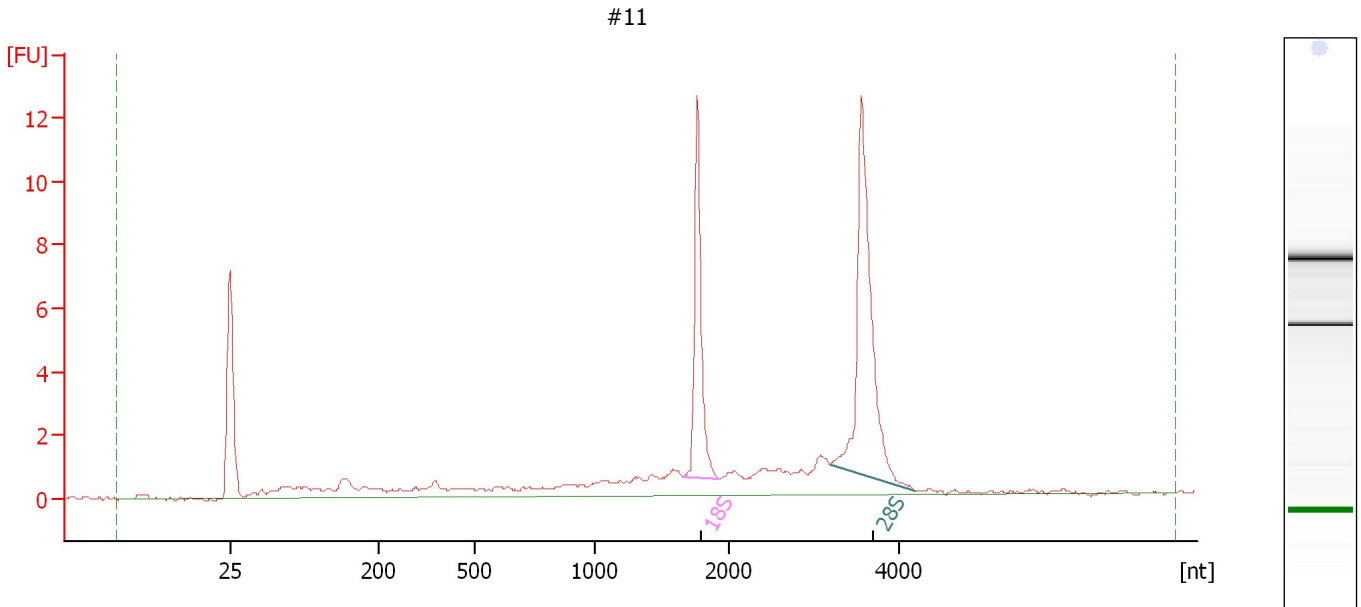
Fragment table for sample 3 : #10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	1,959	5.8	12.4
28S	3,201	4,058	11.8	25.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : #11

RNA Area:	59.6	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.30

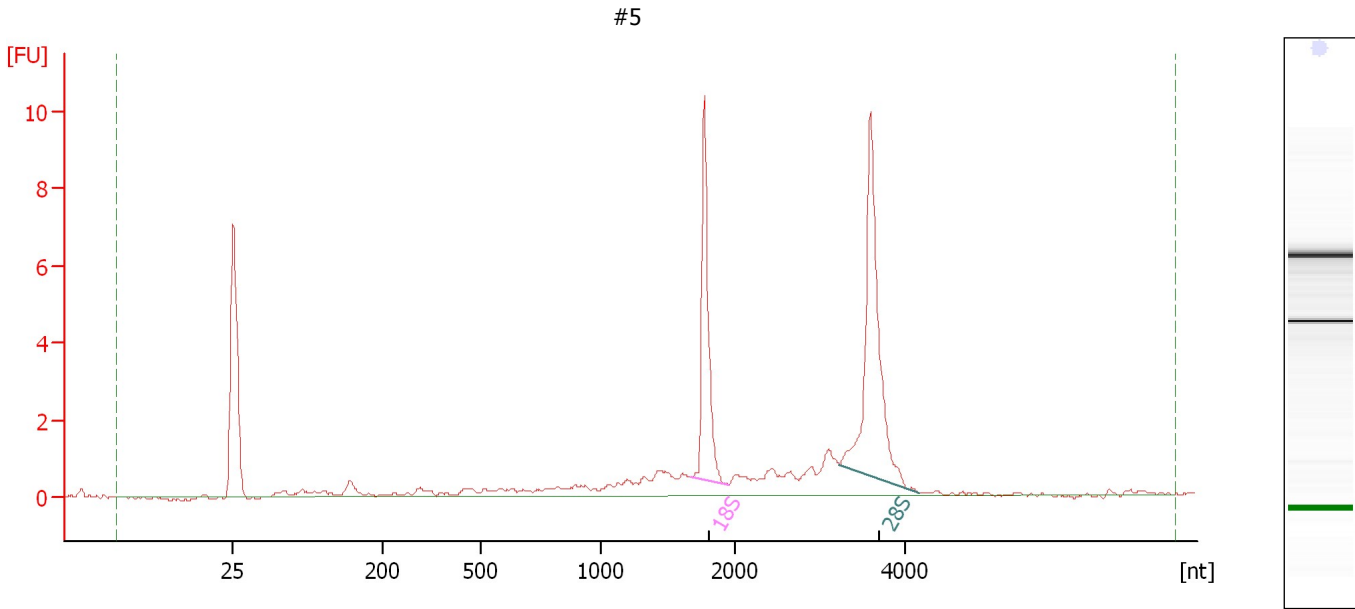
Fragment table for sample 4 : #11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	1,930	9.4	15.7
28S	3,204	4,189	16.0	26.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : #5

RNA Area:	38.9	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.40

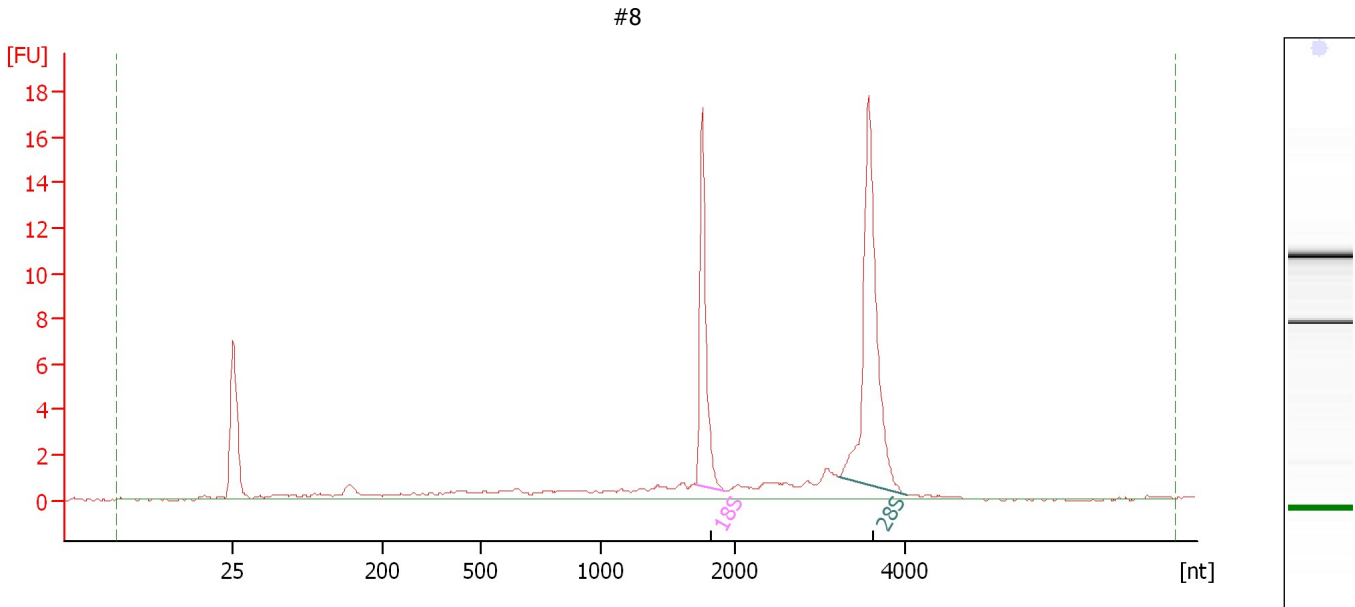
Fragment table for sample 5 : #5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,956	7.4	19.1
28S	3,224	4,153	12.1	31.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : #8

RNA Area: 63.7 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.60

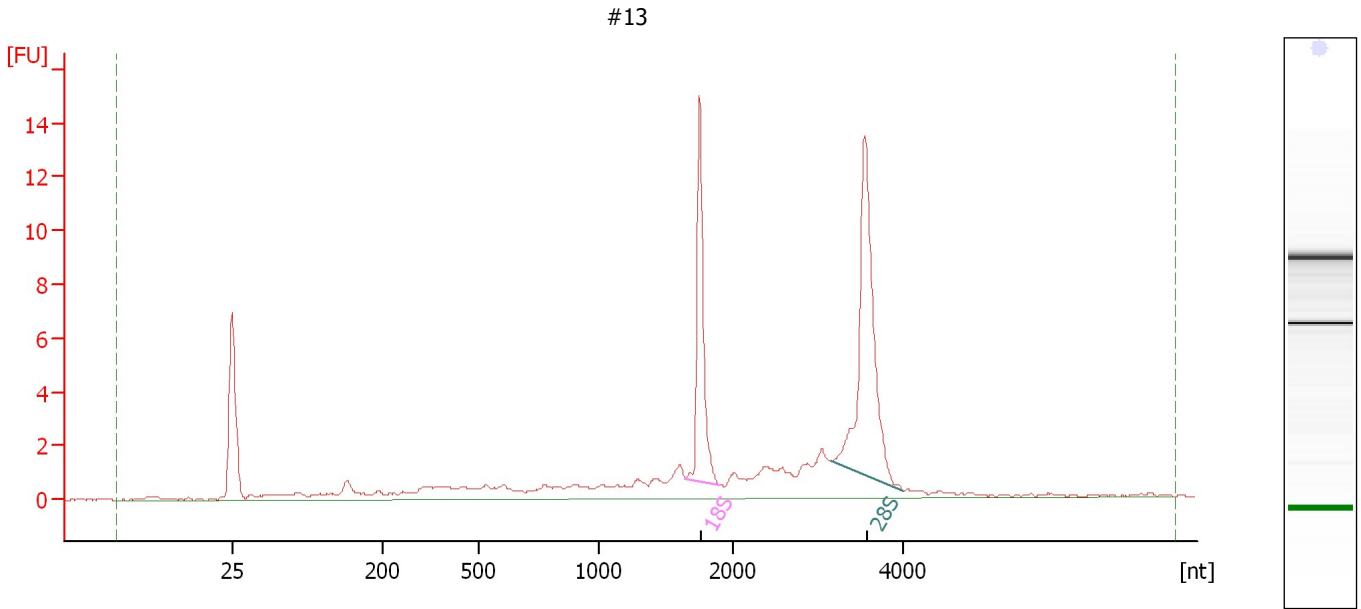
Fragment table for sample 6 : #8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,924	12.0	18.9
28S	3,224	4,028	21.7	34.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : #13

RNA Area:	70.2	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	58 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.30

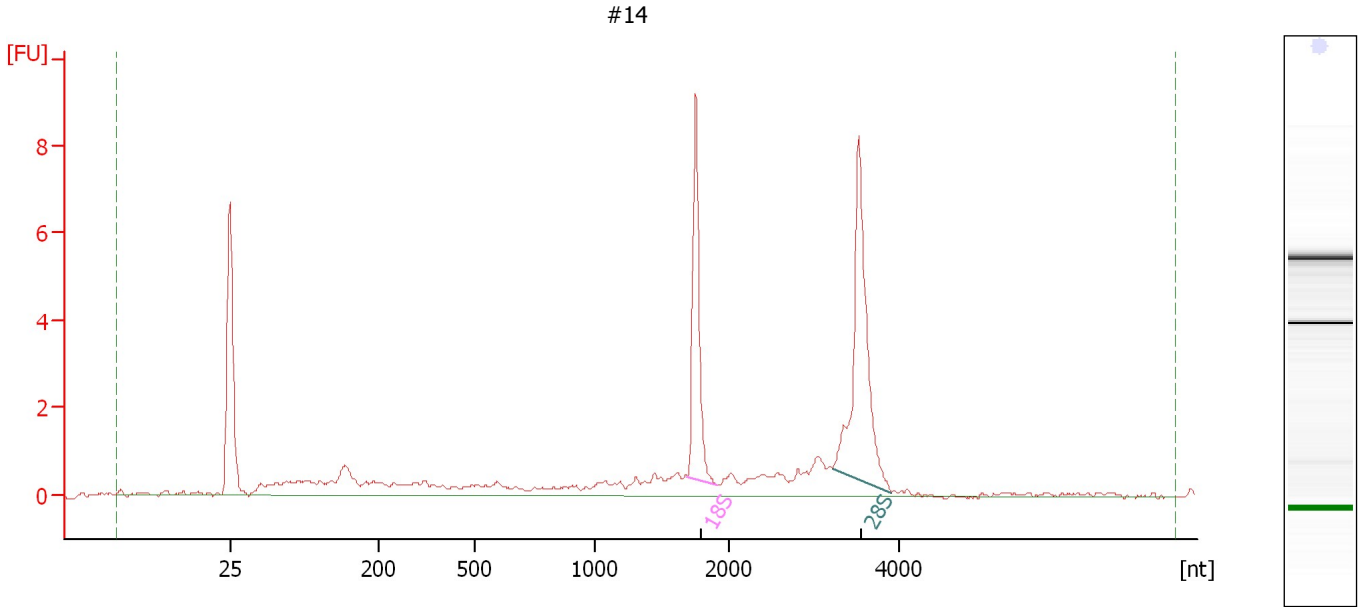
Fragment table for sample 7 : #13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	1,900	10.8	15.4
28S	3,150	4,006	17.3	24.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : #14

RNA Area: 41.5 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 34 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.50

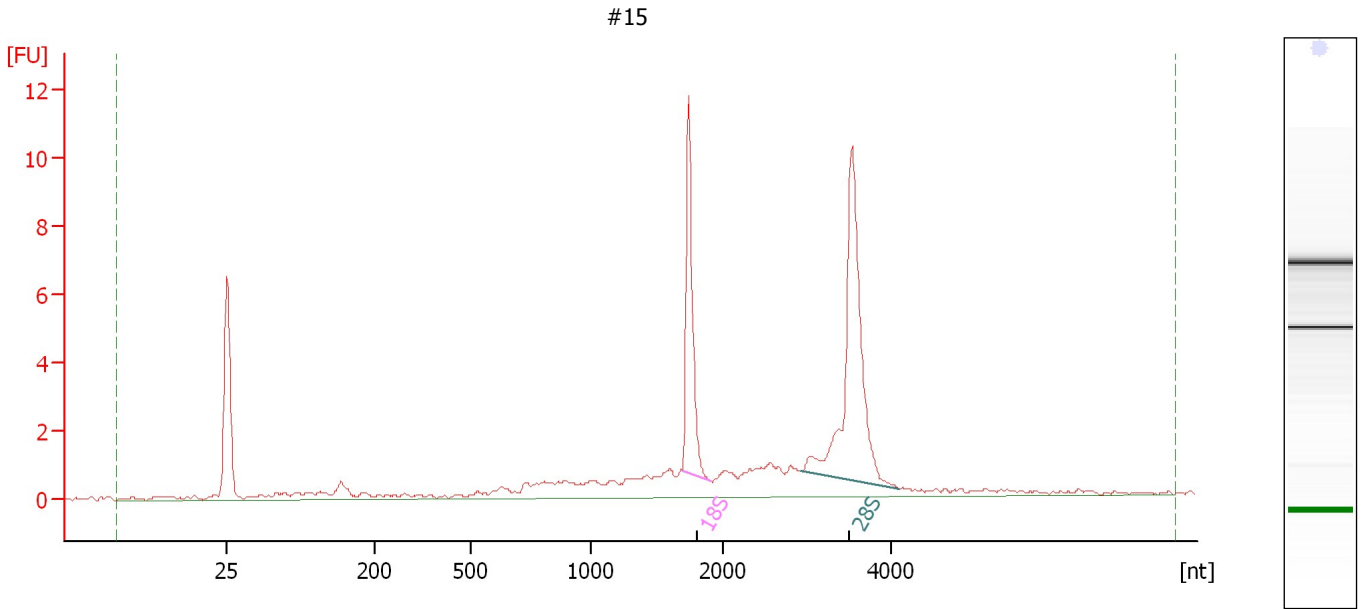
Fragment table for sample 8 : #14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	1,914	6.4	15.3
28S	3,229	3,924	10.2	24.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : #15

RNA Area:	57.0	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.60

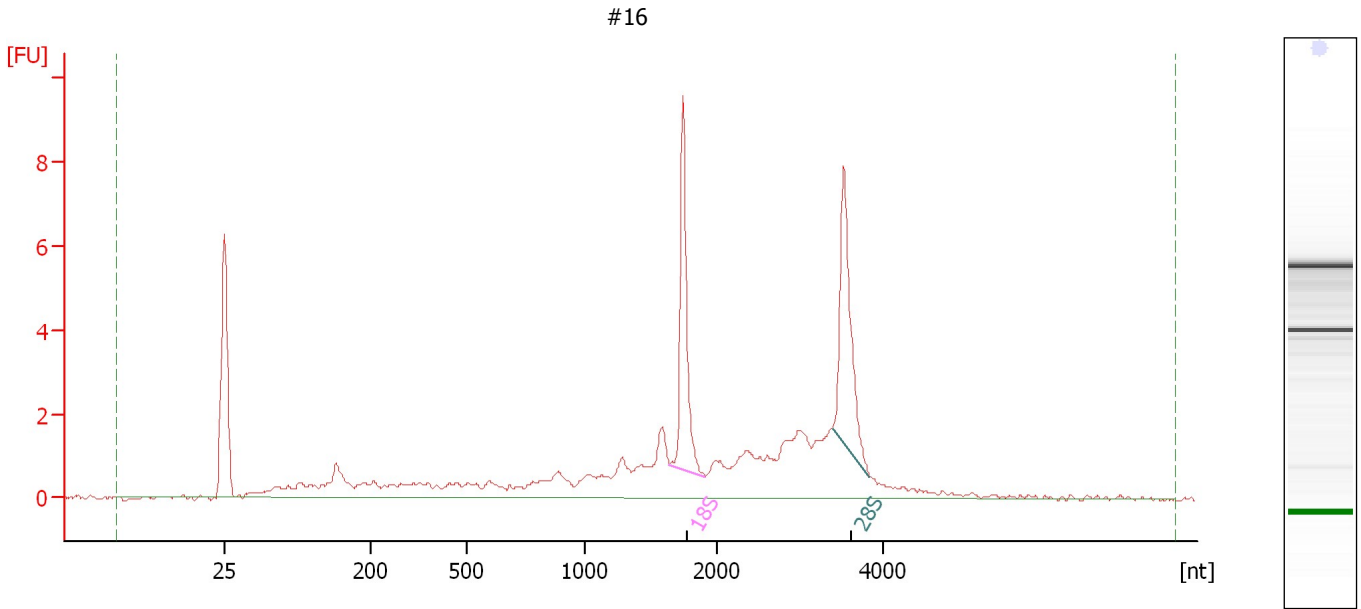
Fragment table for sample 9 : #15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	1,904	8.0	14.1
28S	2,942	4,086	15.0	26.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : #16

RNA Area:	56.6	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.20

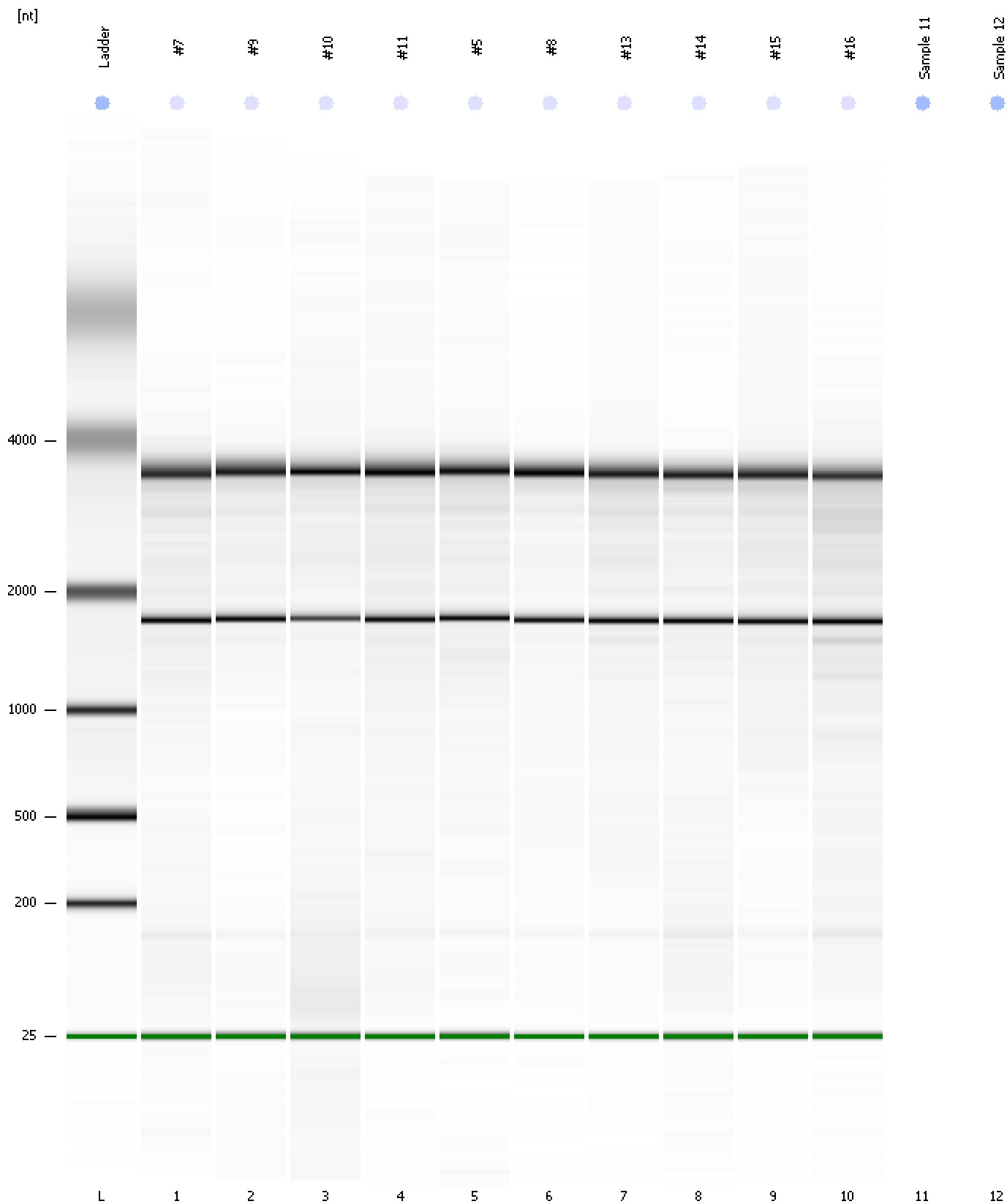
Fragment table for sample 10 : #16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,918	6.9	12.2
28S	3,393	3,828	7.1	12.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
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Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-17\2017-11-17_001.xad

Created: 11/17/2017 11:52:43 AM
Modified: 11/17/2017 12:13:46 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.