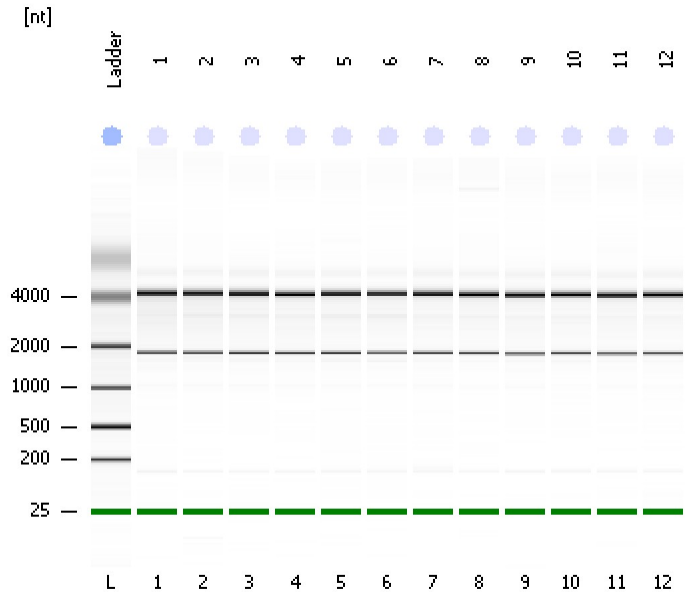


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electrophoresis File Run Summary



Instrument Information:

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

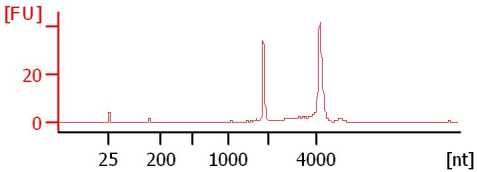
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

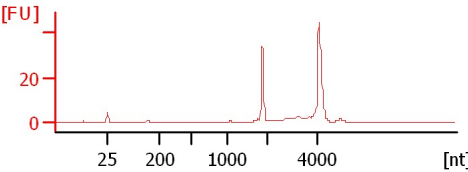
Chip Information:

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

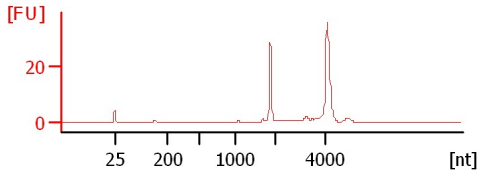
1
RIN: 9.70



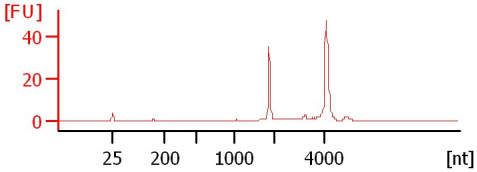
2
RIN: 10



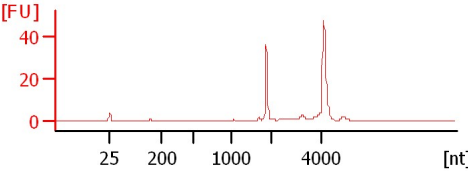
3
RIN: 9.90



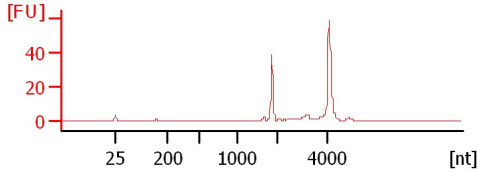
4
RIN: 9.90



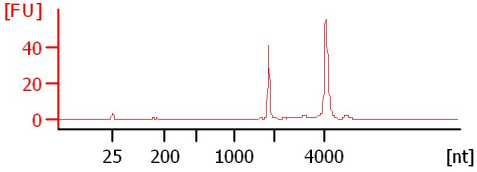
5
RIN: 10



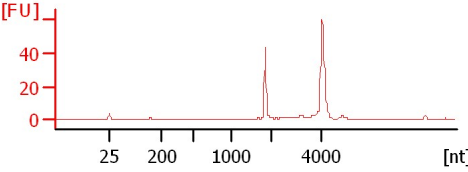
6
RIN: 9.90



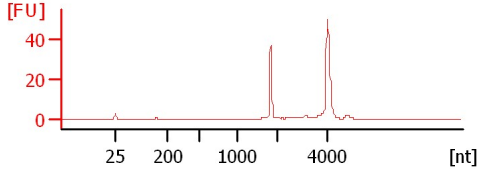
7
RIN: 10



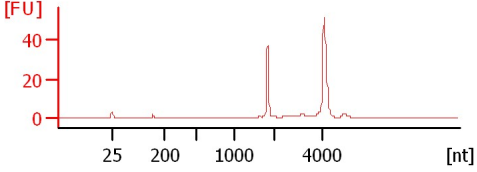
8
RIN: 10



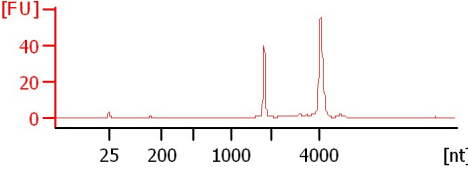
9
RIN: 10



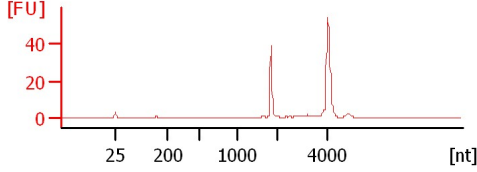
10
RIN: 10



11
RIN: 9.90



12
RIN: 10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
 Modified: 12/24/2014 8:25:05 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1		✓	RIN: 9.70	
2		✓	RIN:10	
3		✓	RIN: 9.90	
4		✓	RIN: 9.90	
5		✓	RIN:10	
6		✓	RIN: 9.90	
7		✓	RIN:10	
8		✓	RIN:10	
9		✓	RIN:10	
10		✓	RIN:10	
11		✓	RIN: 9.90	
12		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

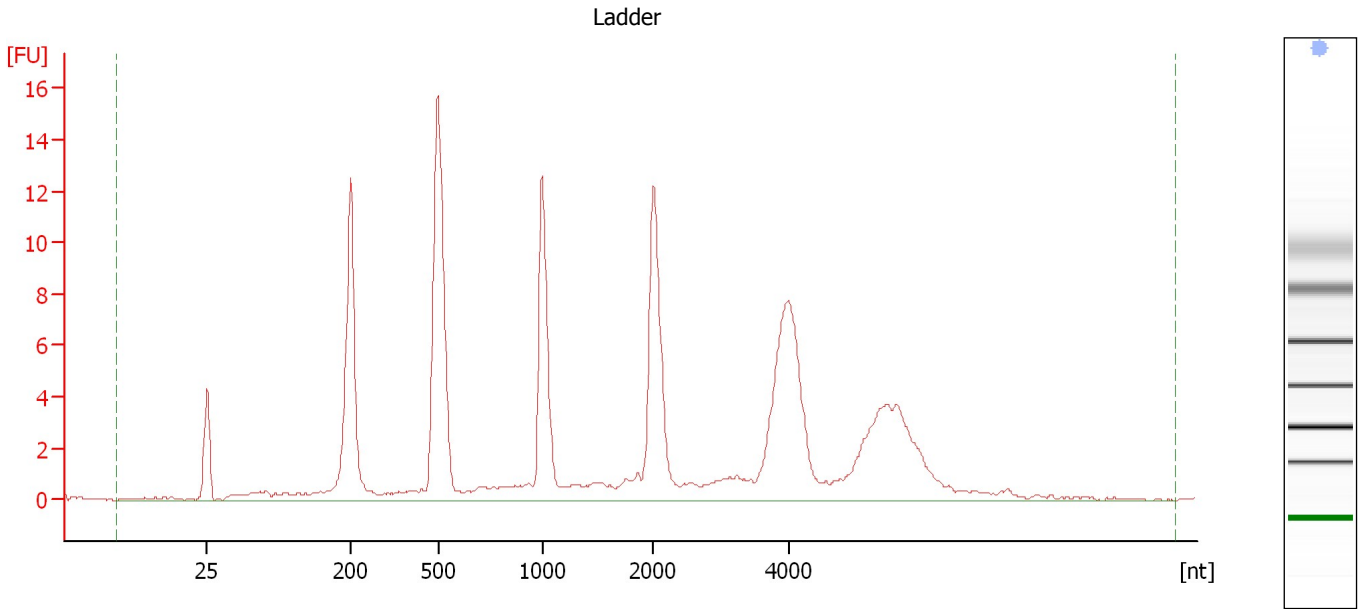
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary



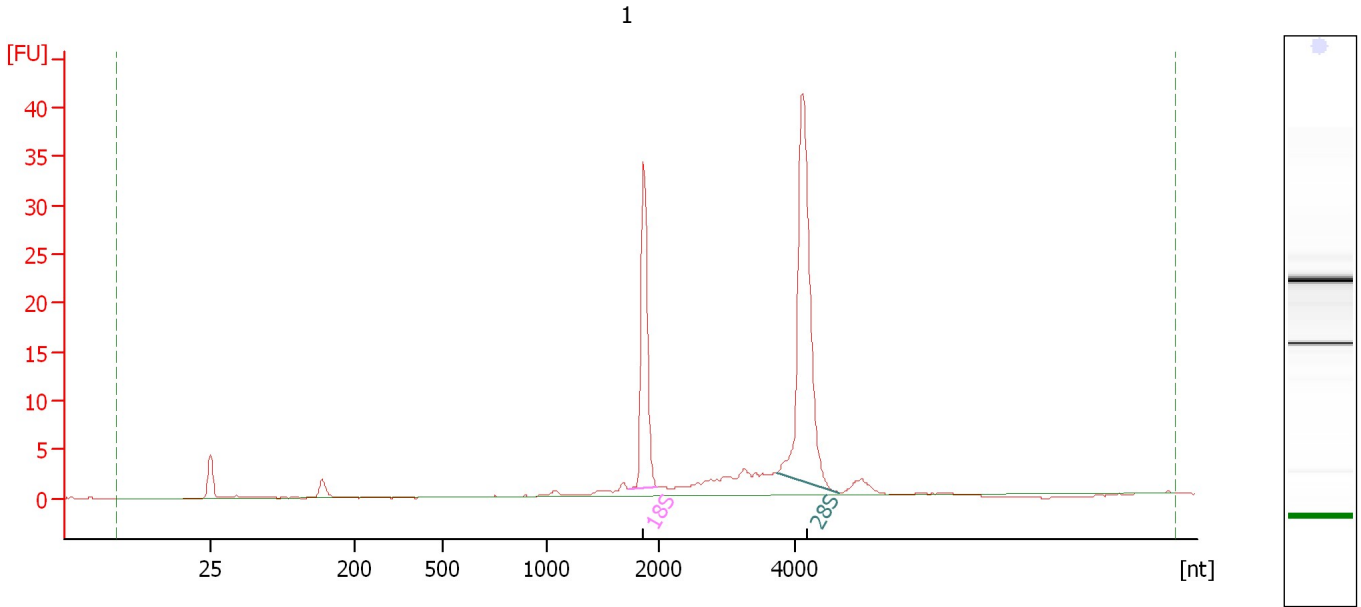
Overall Results for Ladder

RNA Area:	149.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
 Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1

RNA Area:	114.2	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.70

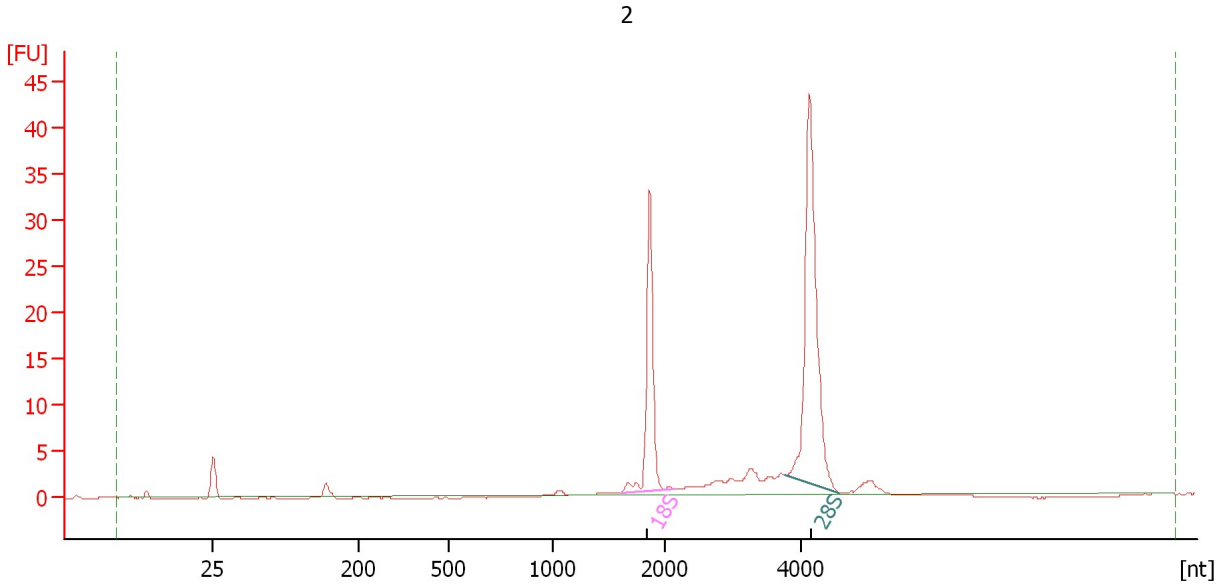
Fragment table for sample 1 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	1,984	24.8	21.8
28S	3,724	4,655	50.2	44.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

RNA Area:	108.5	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	109 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

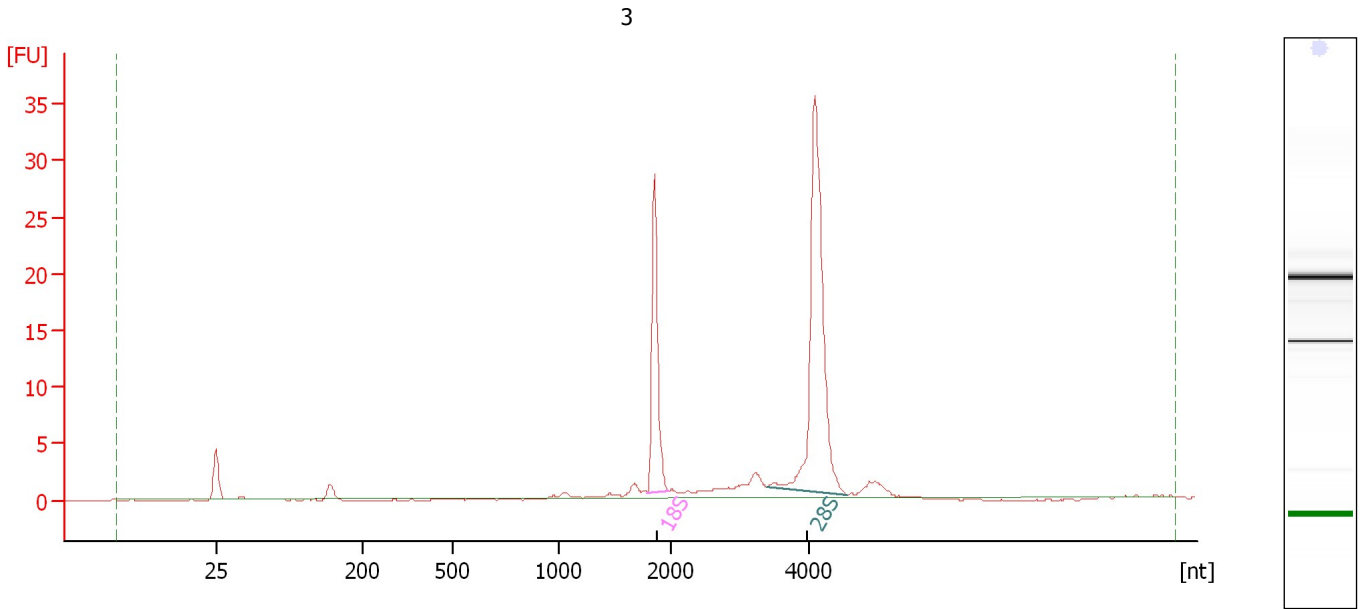
Fragment table for sample 2 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	2,152	26.4	24.3
28S	3,766	4,534	50.1	46.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area:	87.4	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	88 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.90

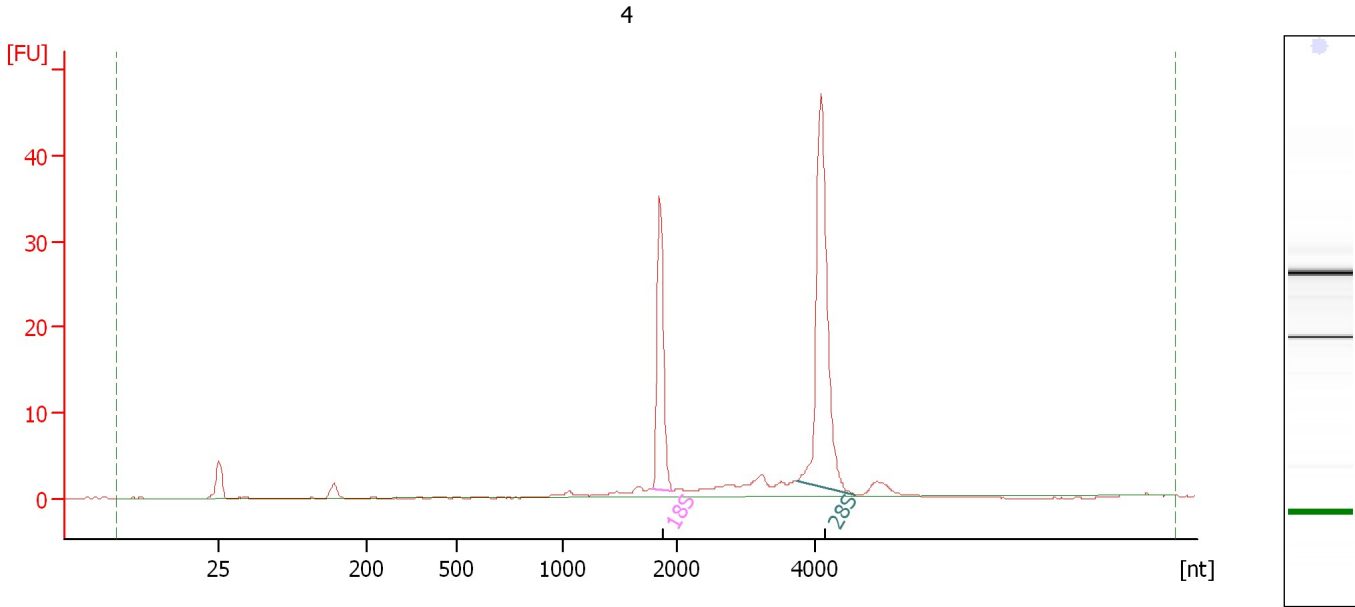
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,783	1,972	20.2	23.1
28S	3,402	4,571	44.6	51.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4

RNA Area: 111.8 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 112 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.90

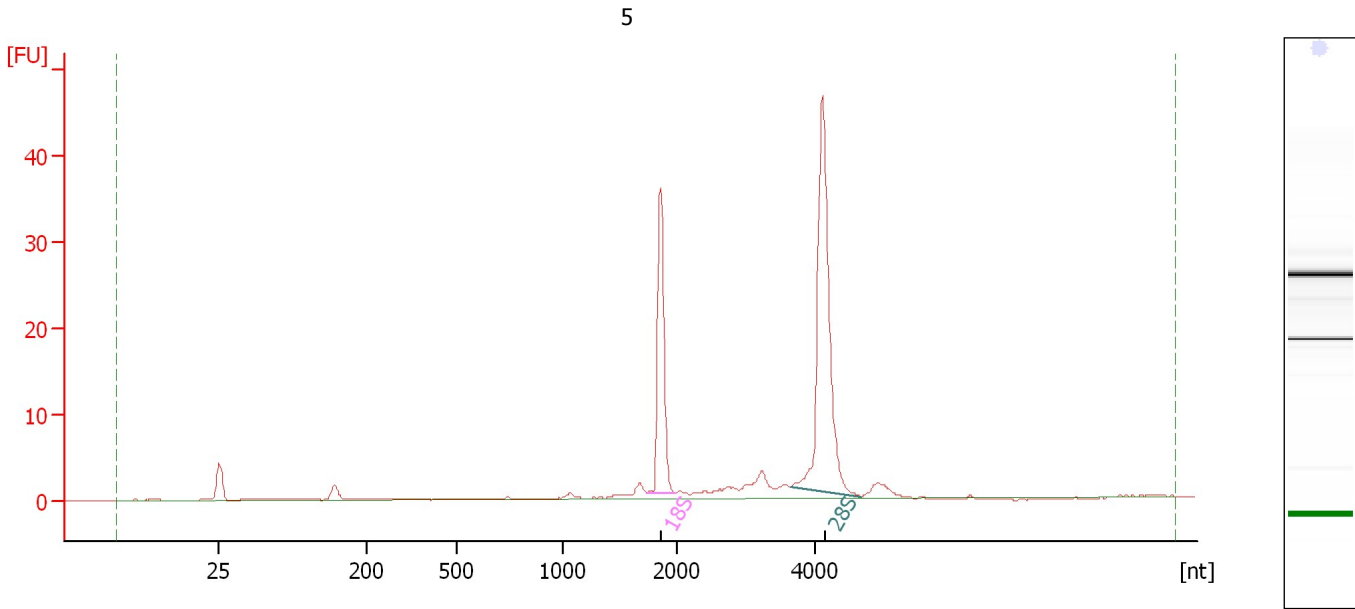
Fragment table for sample 4 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,778	1,966	24.7	22.1
28S	3,724	4,560	50.5	45.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5

RNA Area: 109.4 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 110 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

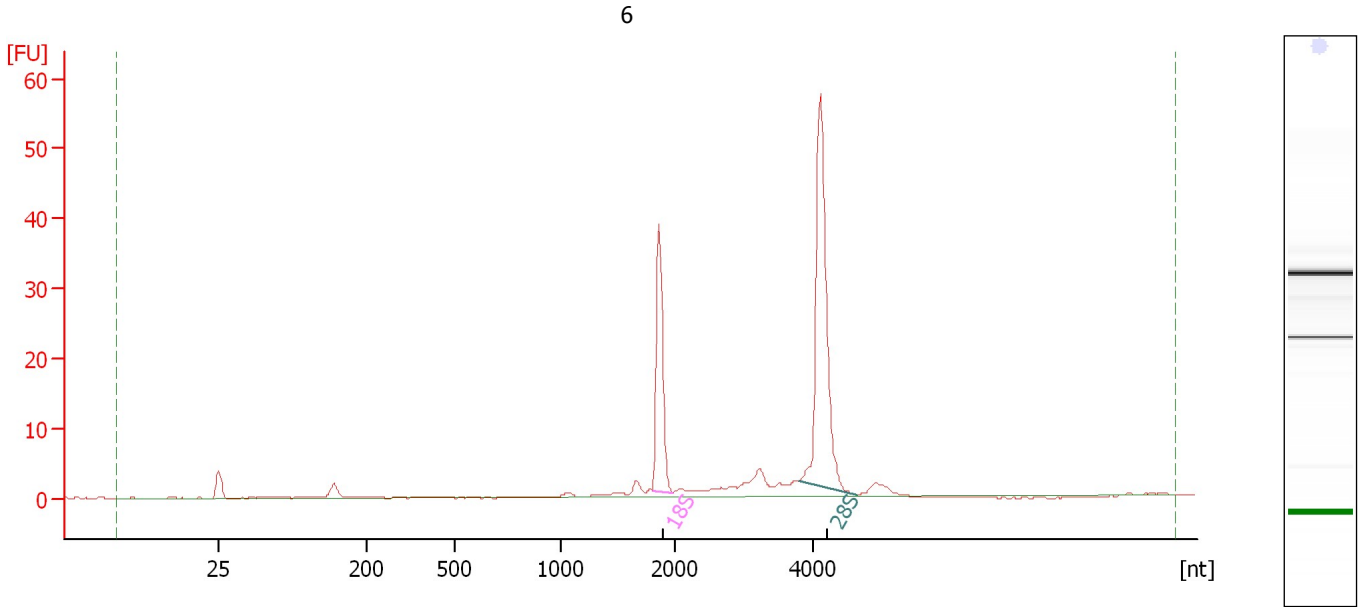
Fragment table for sample 5 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	1,975	25.7	23.5
28S	3,631	4,669	53.4	48.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area: 123.3 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 124 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.90

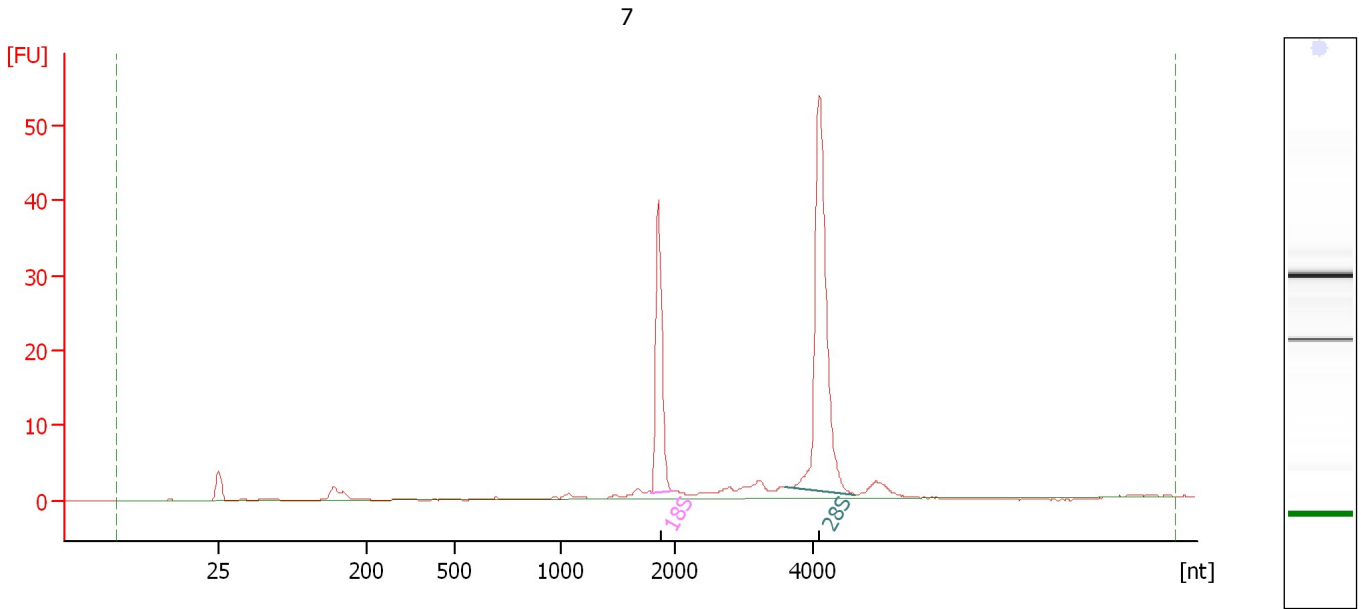
Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,796	1,974	27.9	22.6
28S	3,804	4,626	58.6	47.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7

RNA Area:	120.1	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	121 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

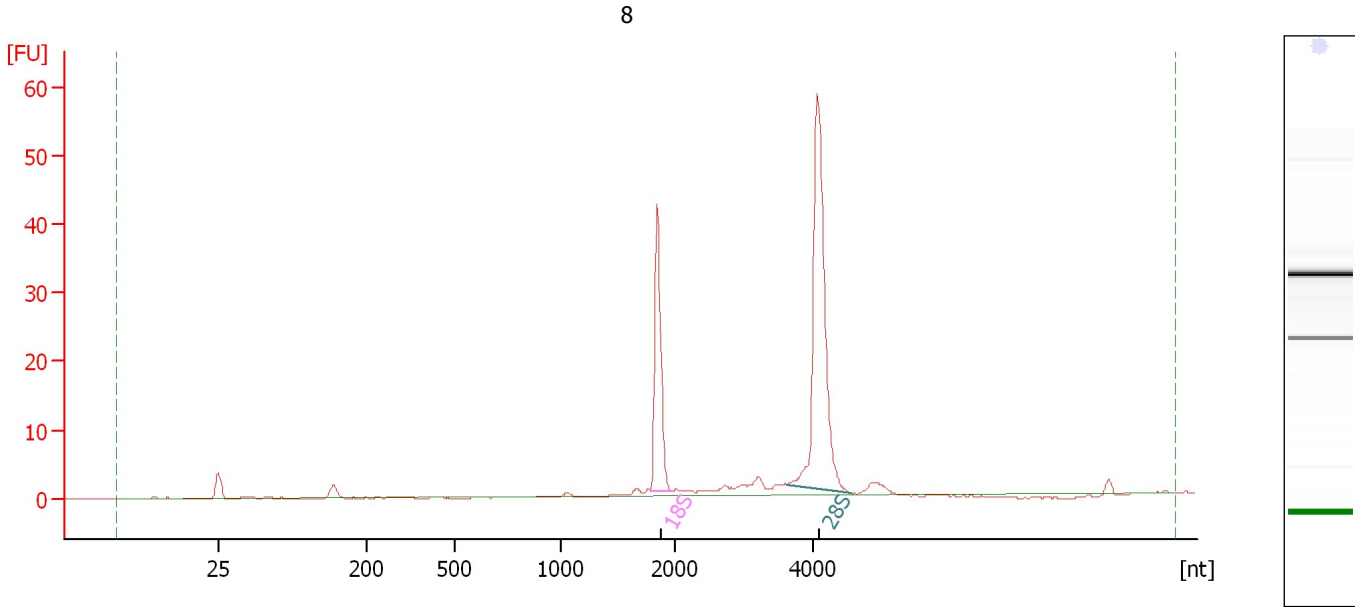
Fragment table for sample 7 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,786	1,974	28.0	23.3
28S	3,602	4,595	60.7	50.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
 Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8

RNA Area:	124.9	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	125 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

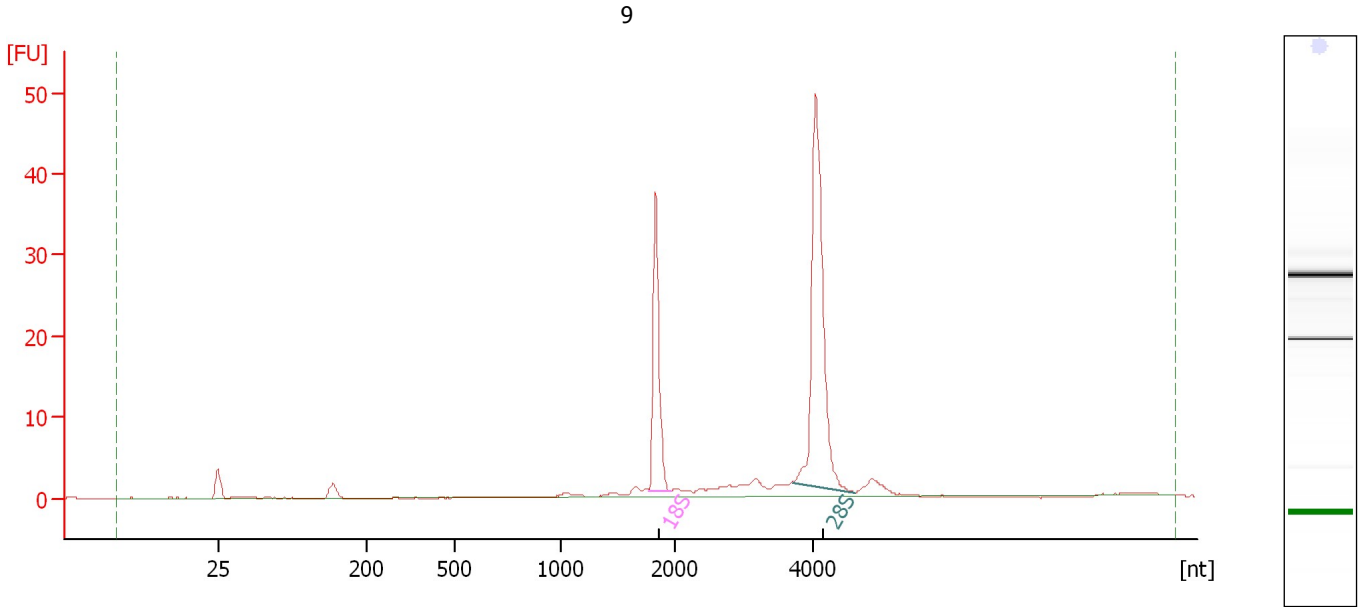
Fragment table for sample 8 : 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,777	1,974	29.8	23.8
28S	3,618	4,548	66.5	53.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9

RNA Area: 116.1 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 116 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

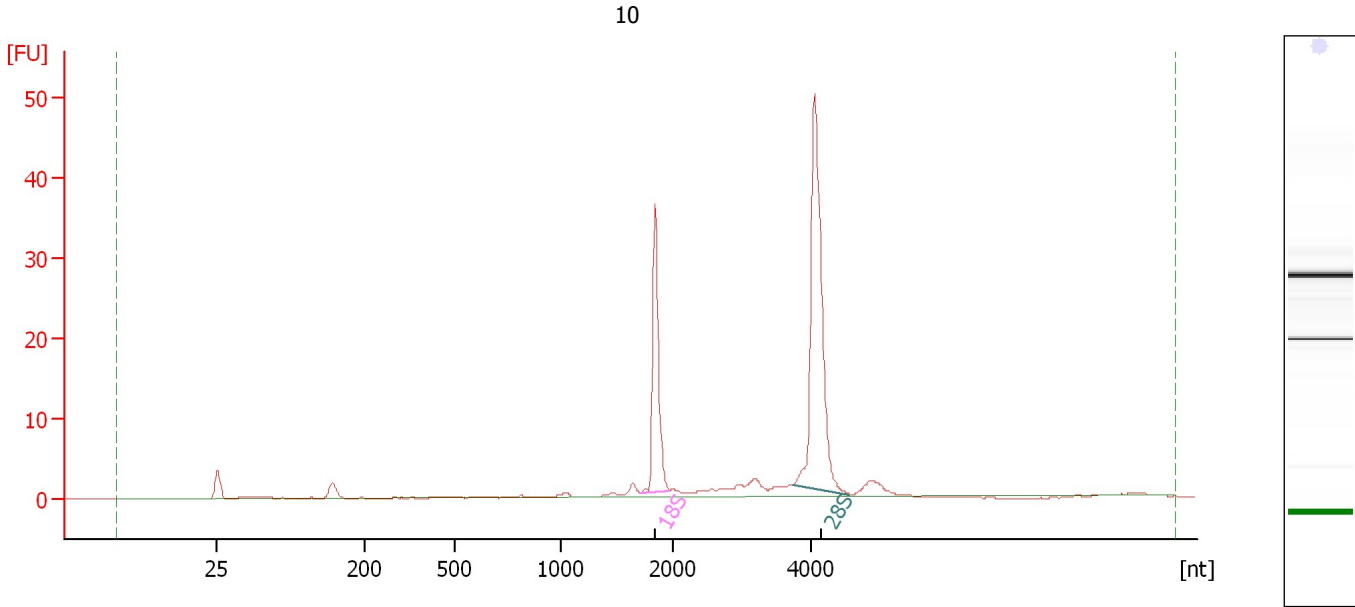
Fragment table for sample 9 : 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	1,955	26.4	22.8
28S	3,711	4,595	54.6	47.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10

RNA Area: 115.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 116 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

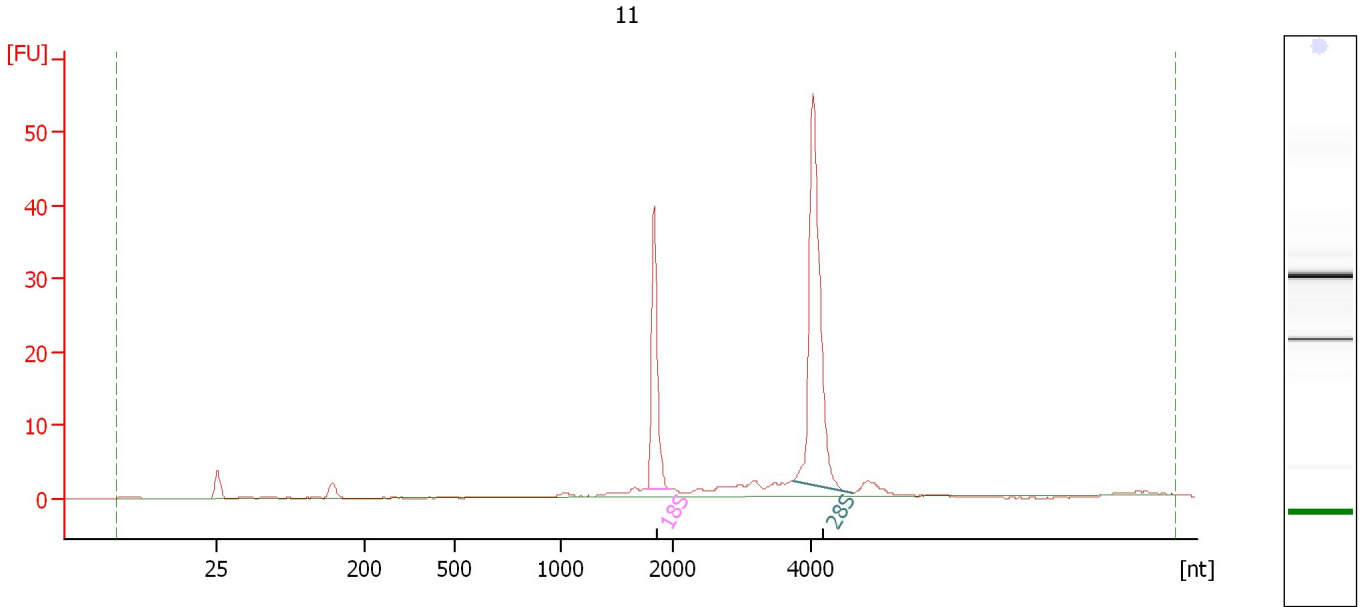
Fragment table for sample 10 : 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	1,964	26.1	22.6
28S	3,743	4,567	54.2	47.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11

RNA Area: 122.1 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 123 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.90

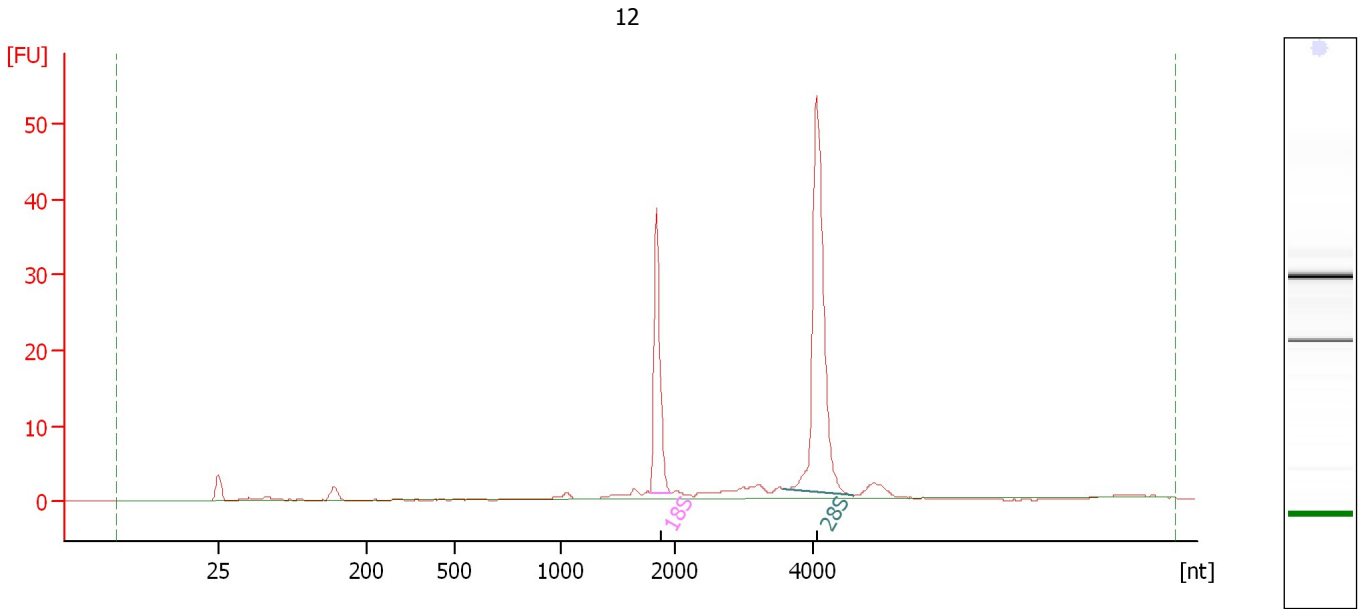
Fragment table for sample 11 : 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	1,954	28.1	23.0
28S	3,728	4,598	60.4	49.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12

RNA Area: 121.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 122 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

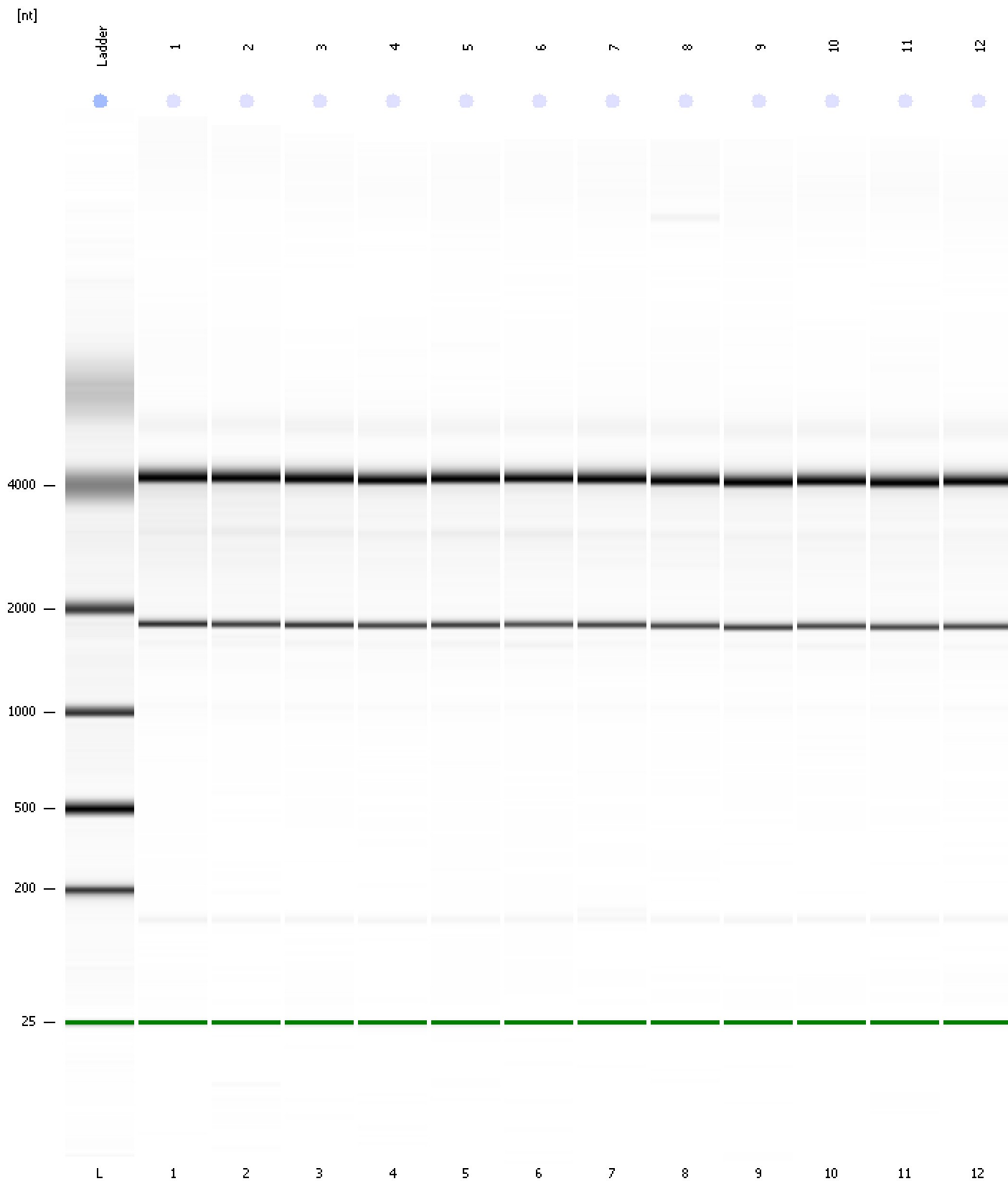
Fragment table for sample 12 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,777	1,965	27.0	22.3
28S	3,571	4,564	59.4	48.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
Modified: 12/24/2014 8:25:05 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad

Created: 12/24/2014 8:01:16 AM
 Modified: 12/24/2014 8:25:05 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		12/24/2014 8:25:02 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-24\2014-12-24_001.xad)		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/24/2014 8:01:21 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1