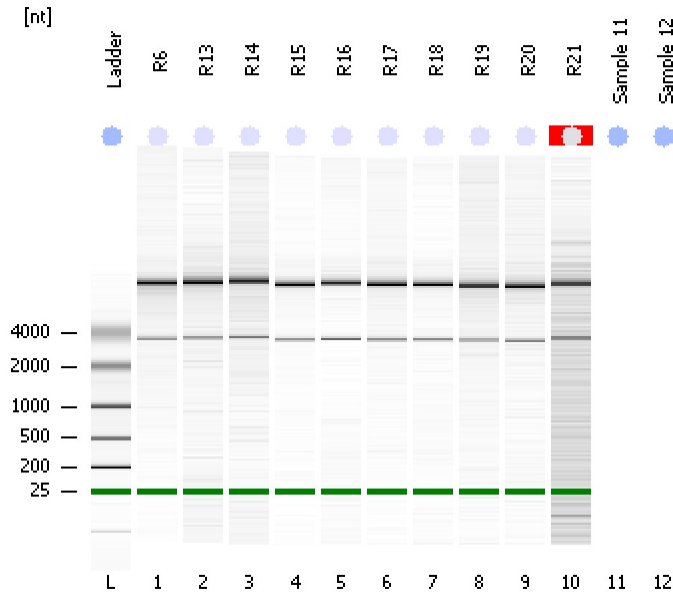


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 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)

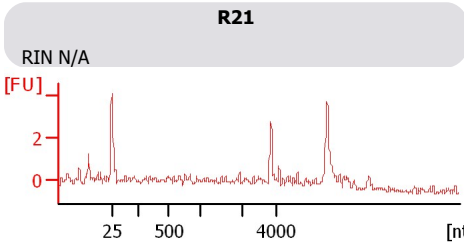
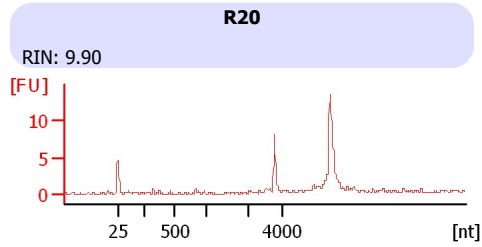
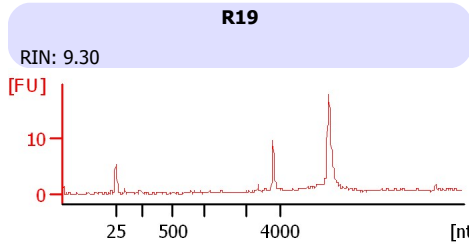
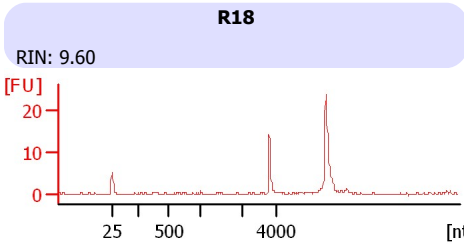
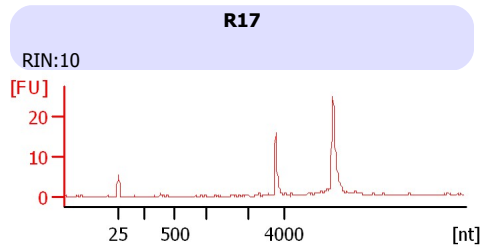
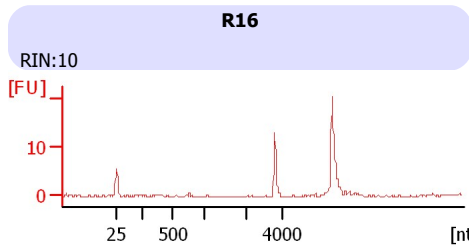
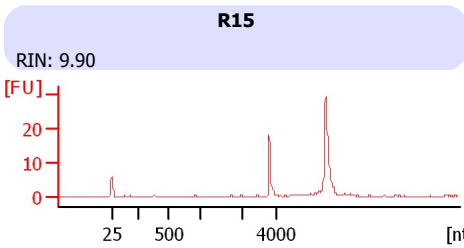
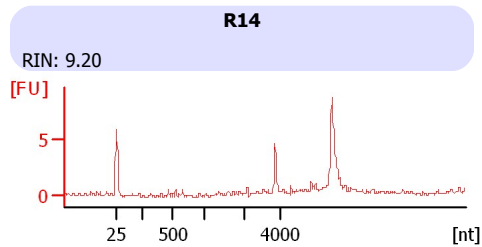
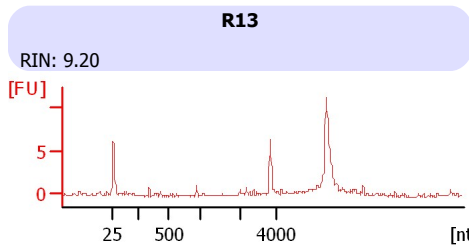
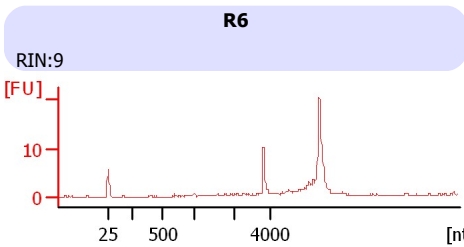
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
 Modified: 3/27/2017 5:04:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
R6		✓	RIN:9	
R13		✓	RIN: 9.20	
R14		✓	RIN: 9.20	
R15		✓	RIN: 9.90	
R16		✓	RIN:10	
R17		✓	RIN:10	
R18		✓	RIN: 9.60	
R19		✓	RIN: 9.30	
R20		✓	RIN: 9.90	
R21		✓	RIN N/A	
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\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 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

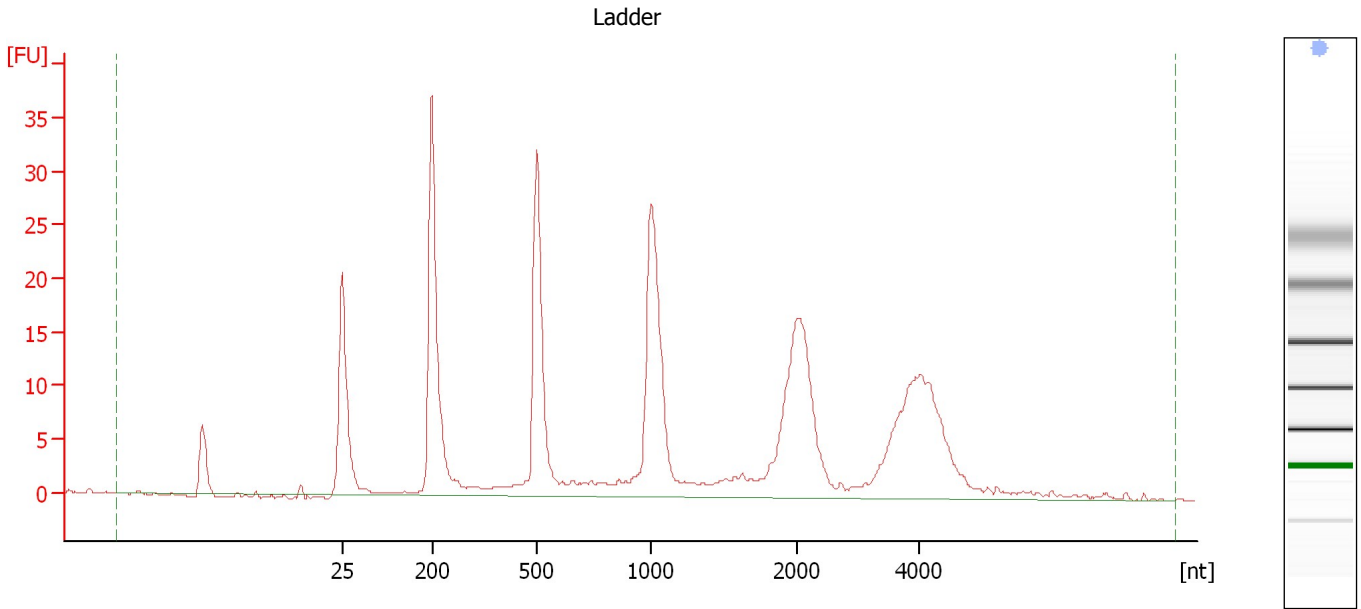
Ladder

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\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary



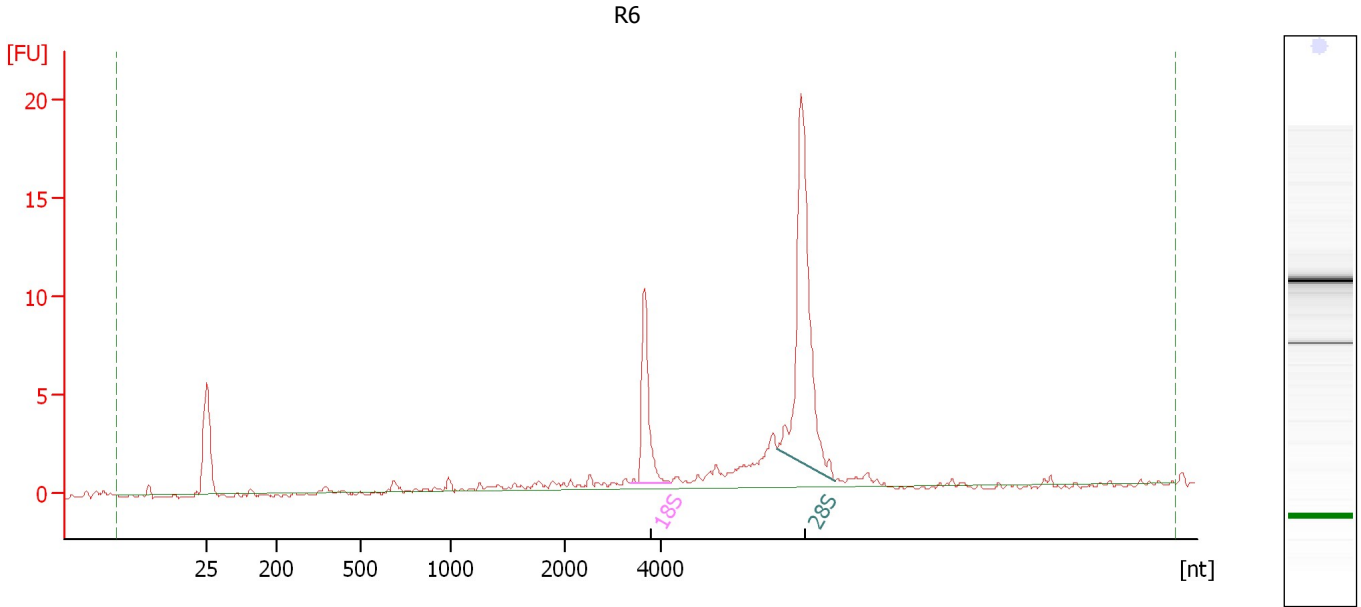
Overall Results for Ladder

RNA Area:	296.7	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\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : R6

RNA Area: 57.6 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 29 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.0 Result Flagging Label: RIN:9

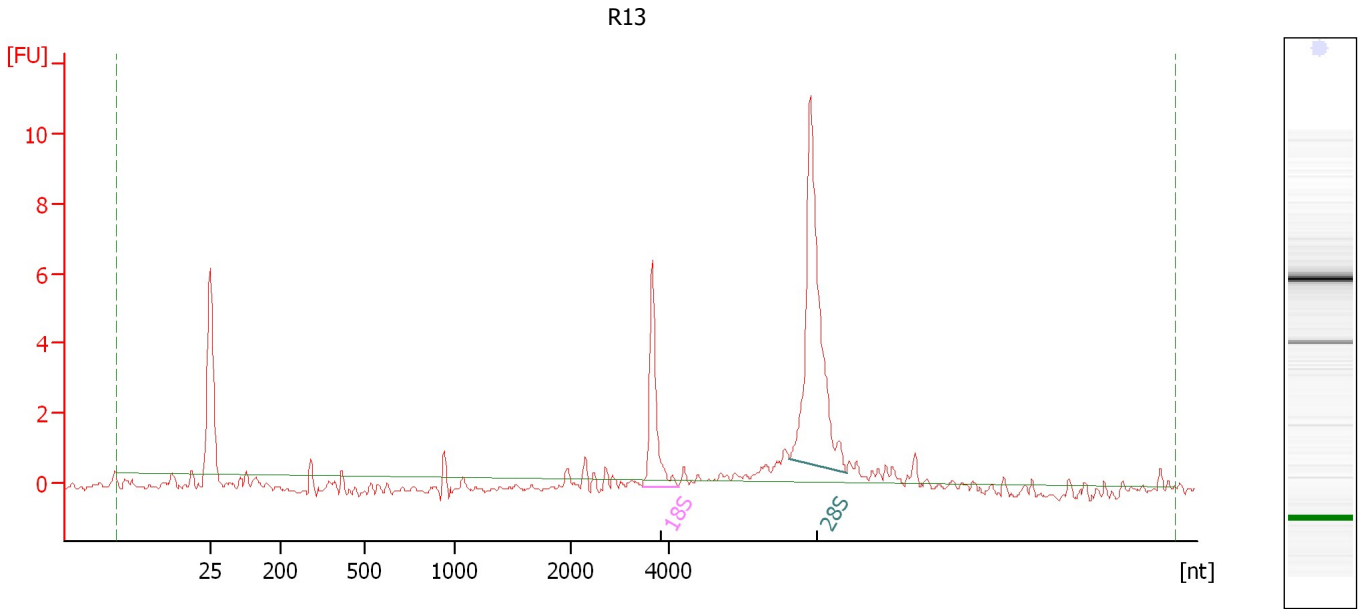
Fragment table for sample 1 : R6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,362	4,200	8.0	13.8
28S	6,383	7,574	24.2	42.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
 Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R13

RNA Area:	28.5	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	14 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.20

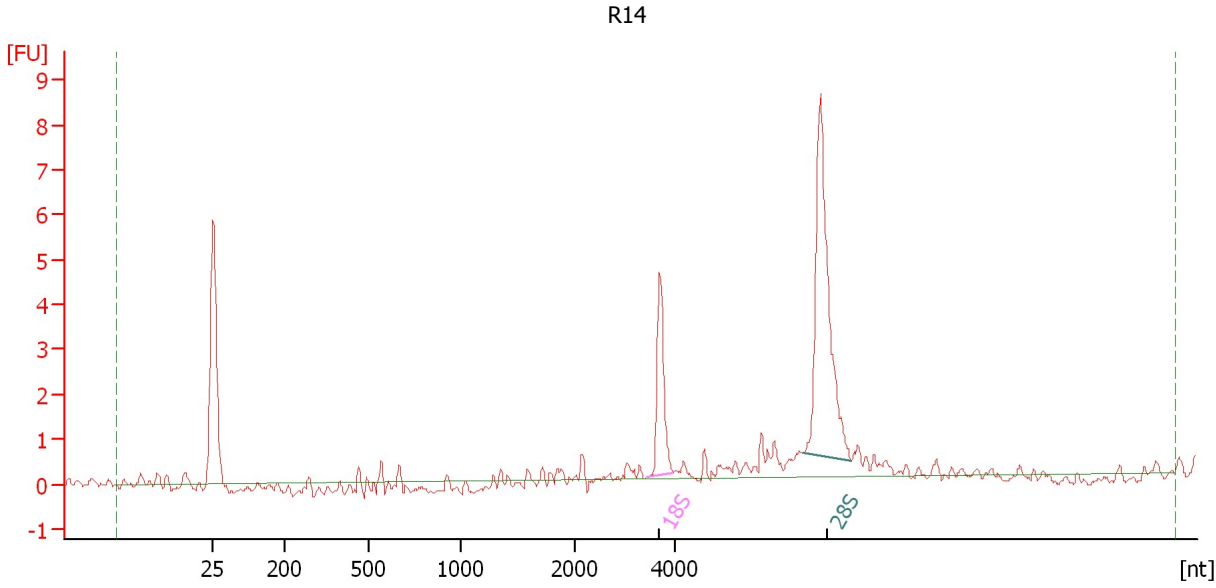
Fragment table for sample 2 : R13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,483	4,206	5.3	18.6
28S	6,485	7,668	15.0	52.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R14

RNA Area:	24.1	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.0	Result Flagging Label:	RIN: 9.20

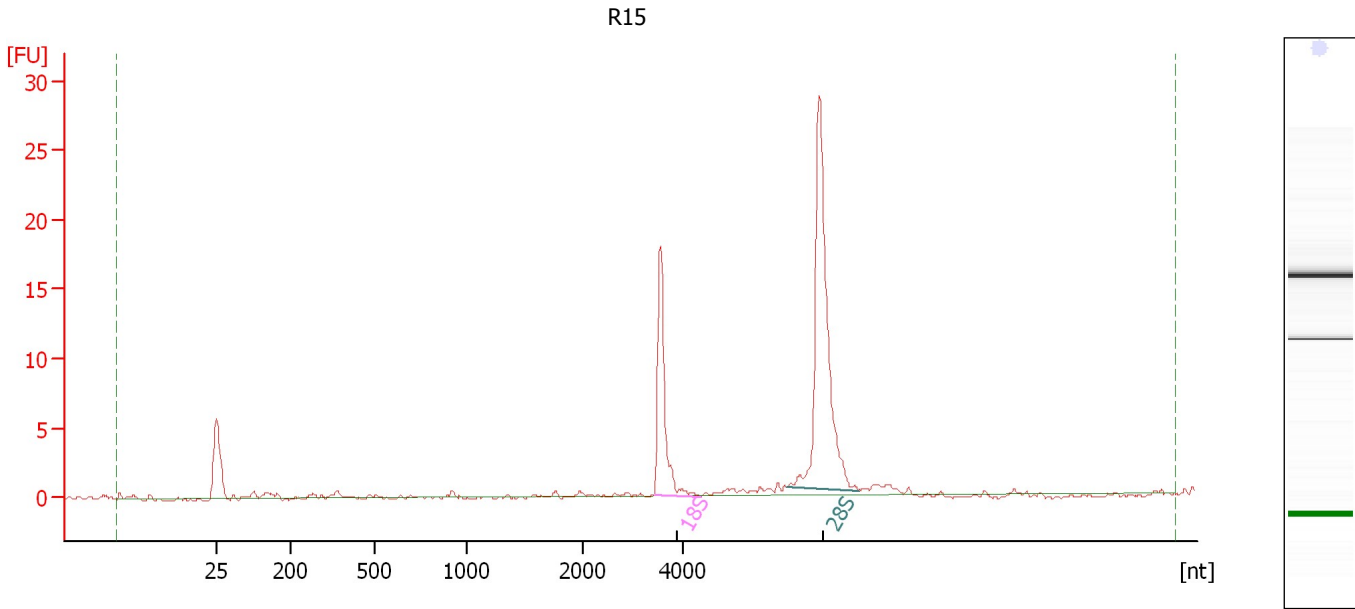
Fragment table for sample 3 : R14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,449	3,993	3.4	14.1
28S	6,628	7,608	10.2	42.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R15

RNA Area:	63.1	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 9.90

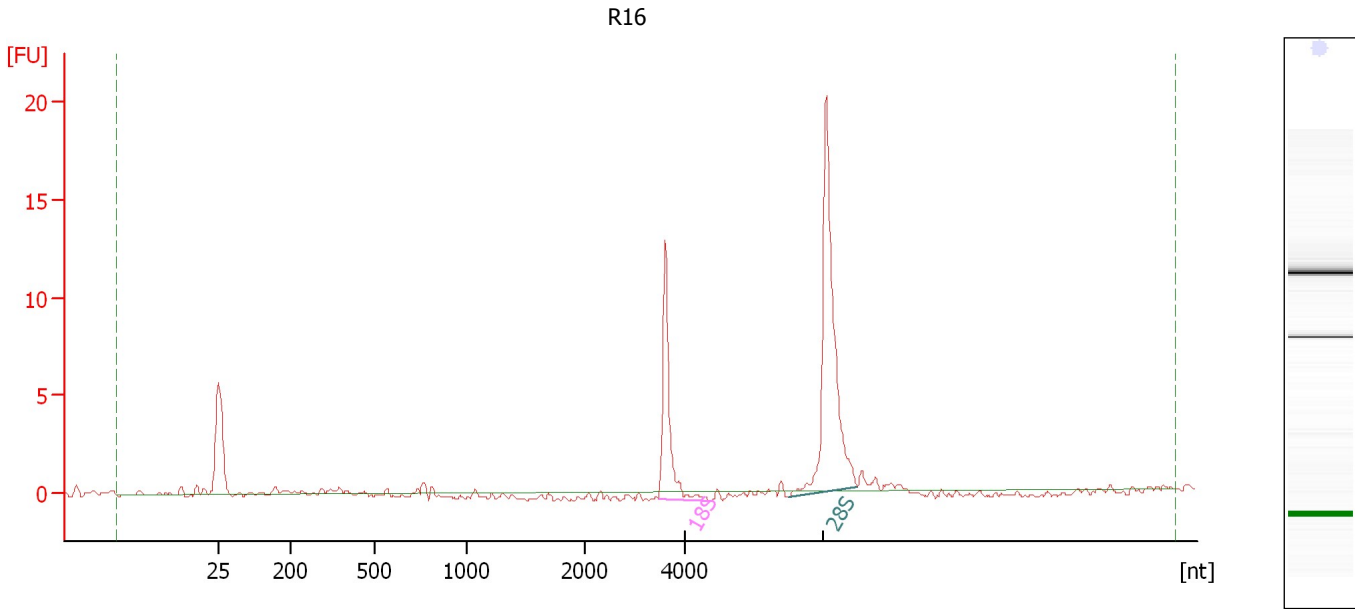
Fragment table for sample 4 : R15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,441	4,391	14.2	22.5
28S	6,119	7,565	33.9	53.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
 Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R16

RNA Area:	37.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

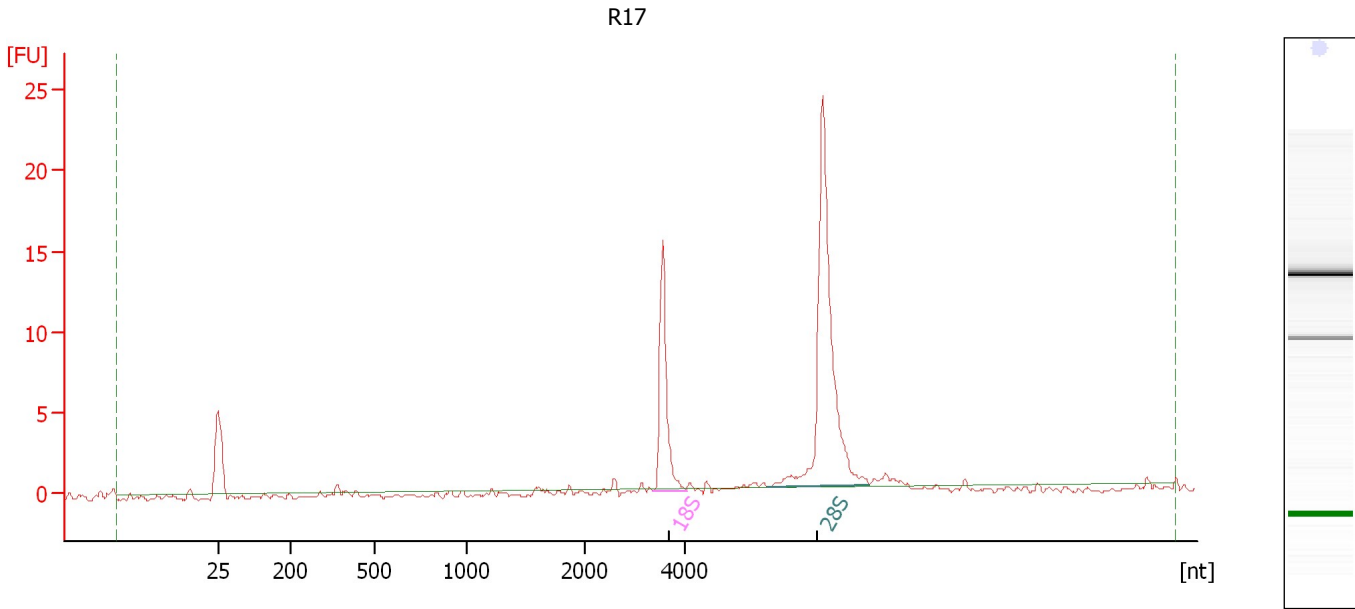
Fragment table for sample 5 : R16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,487	4,522	10.3	27.7
28S	6,116	7,496	23.2	62.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R17

RNA Area:	48.3	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN:10

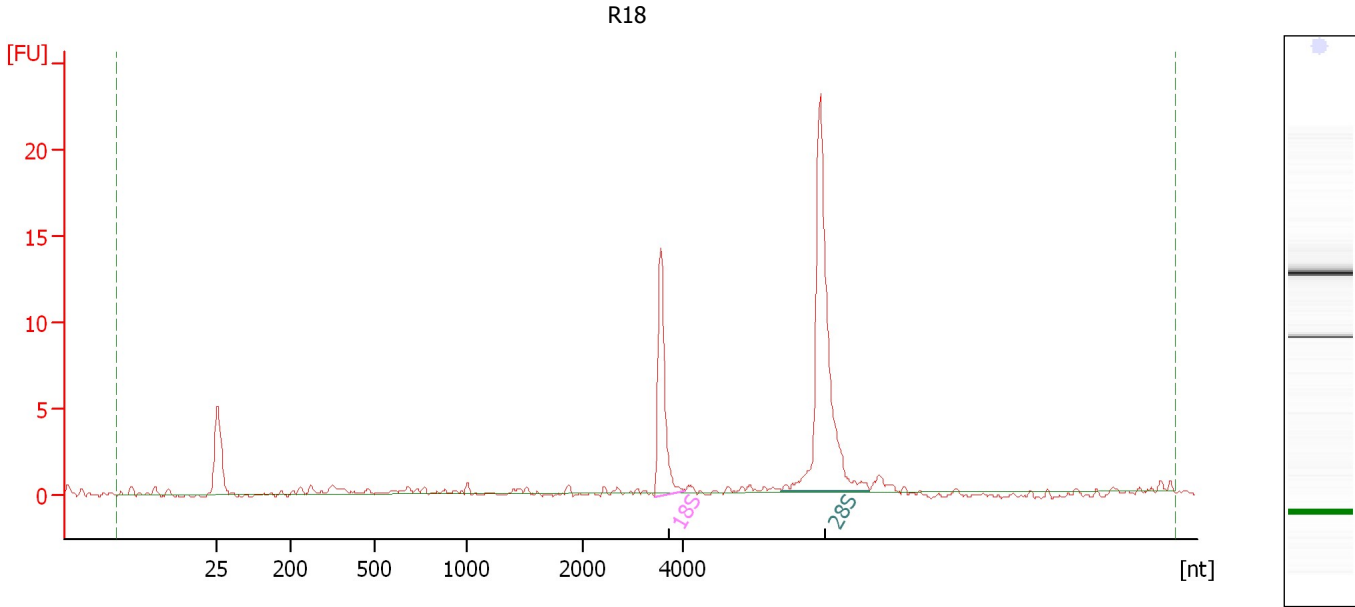
Fragment table for sample 6 : R17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,379	4,047	12.1	25.1
28S	5,685	7,733	31.9	66.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R18

RNA Area: 52.7 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 27 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.5 Result Flagging Label: RIN: 9.60

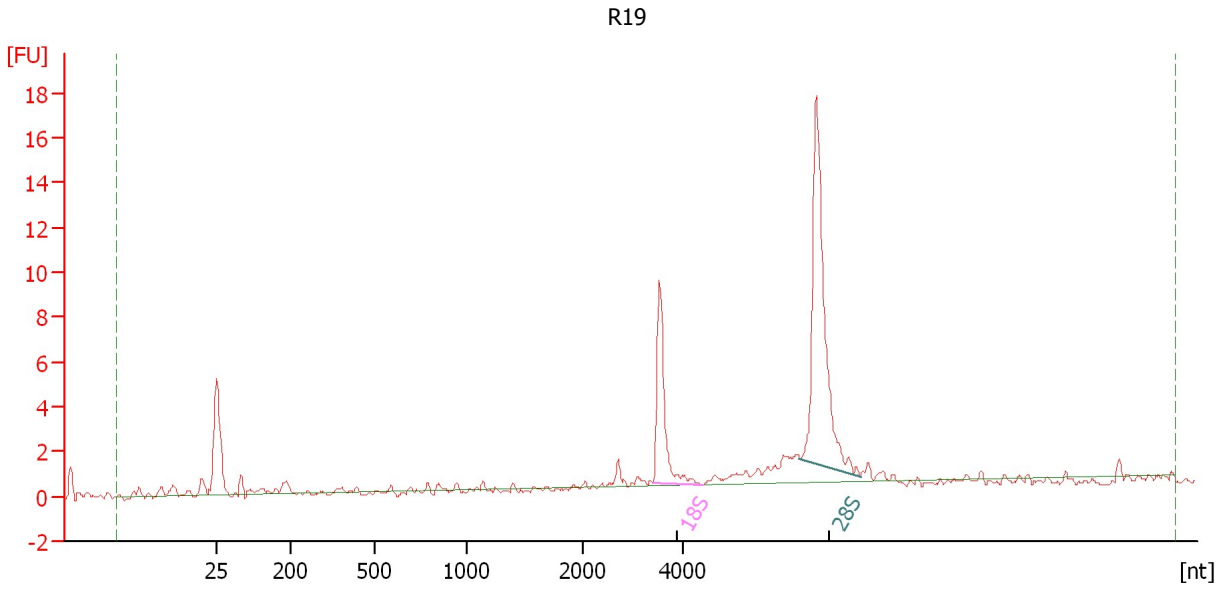
Fragment table for sample 7 : R18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,441	4,067	11.0	20.8
28S	6,011	7,781	27.7	52.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R19

RNA Area: 44.7 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 23 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.6 Result Flagging Label: RIN: 9.30

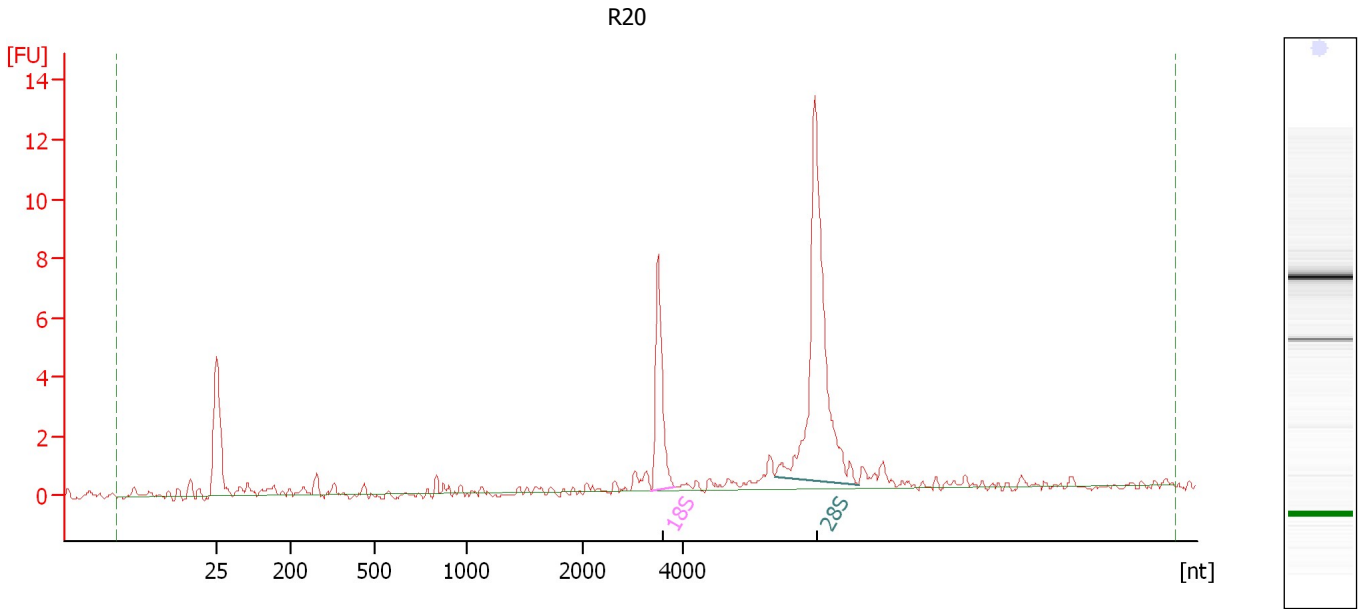
Fragment table for sample 8 : R19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,419	4,434	7.6	17.1
28S	6,378	7,609	19.5	43.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R20

RNA Area: 40.2 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 20 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.1 Result Flagging Label: RIN: 9.90

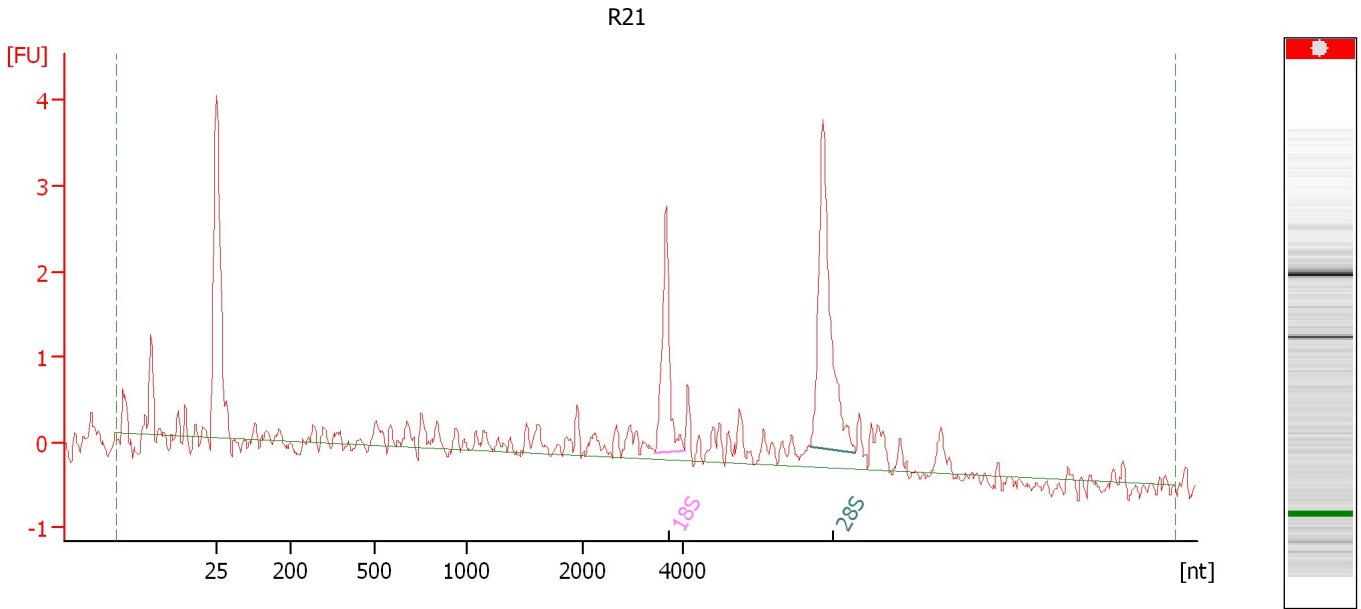
Fragment table for sample 9 : R20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,376	3,873	6.1	15.1
28S	5,859	7,565	18.6	46.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R21

RNA Area:	20.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN N/A

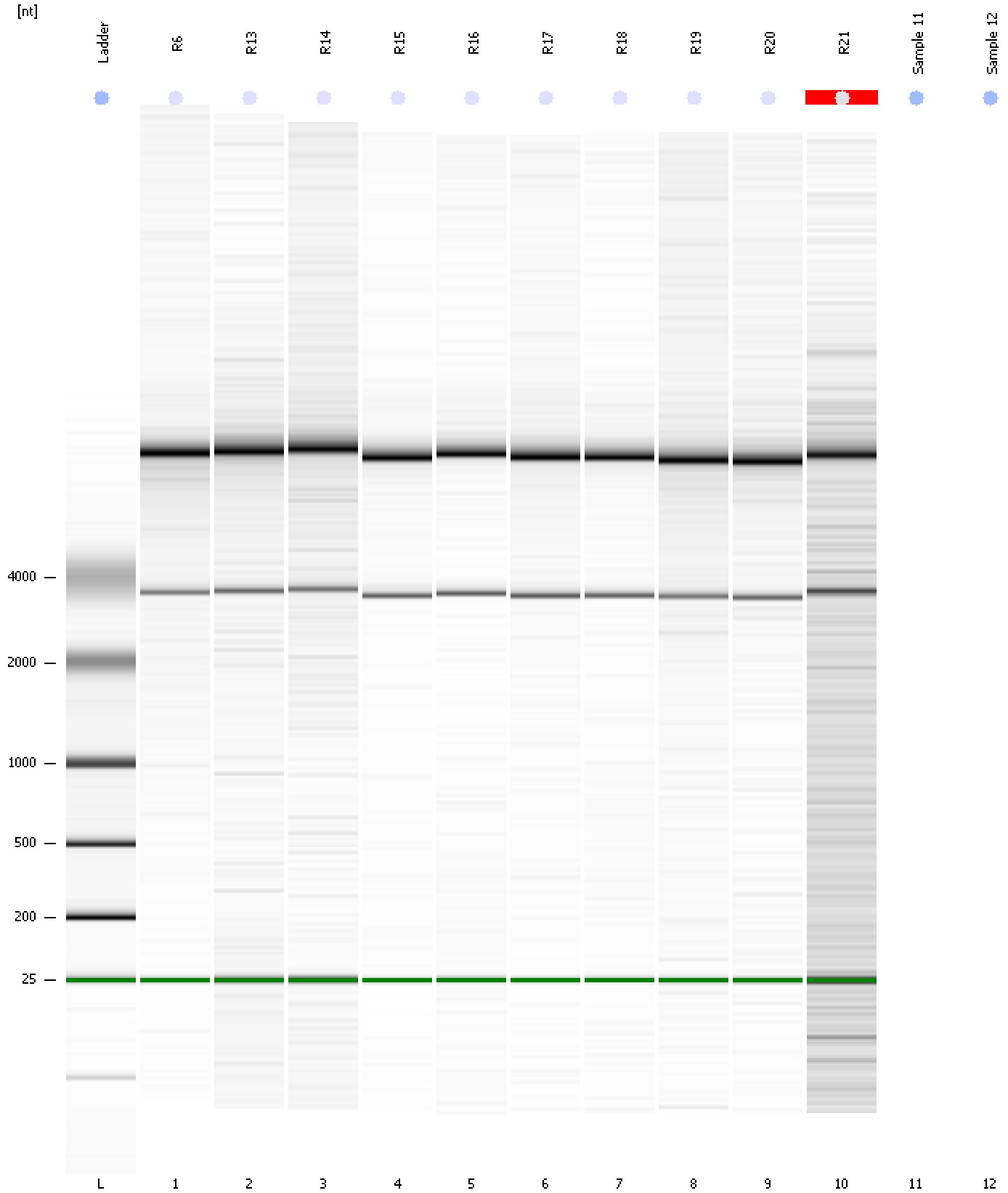
Fragment table for sample 10 : R21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,462	4,045	2.5	12.0
28S	6,594	7,501	4.5	22.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
Modified: 3/27/2017 5:04:41 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad

Created: 3/27/2017 4:43:43 PM
 Modified: 3/27/2017 5:04:41 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/27/2017 5:04:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-03-27\2017-03-27_003.xad)		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/27/2017 4:43:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1