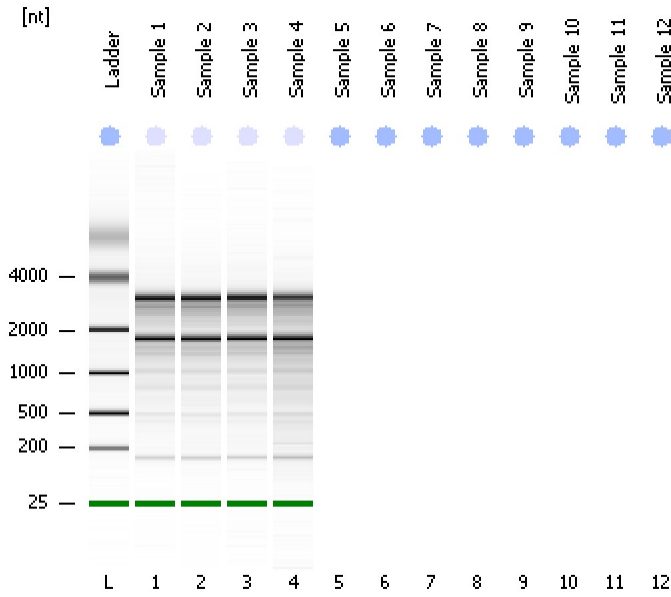


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

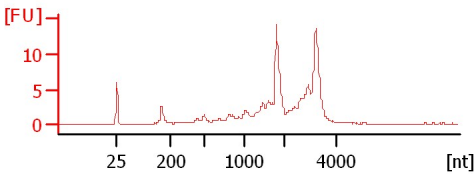
Assay Information:

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.

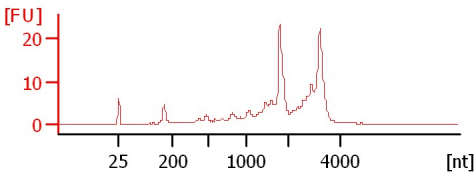
Chip Information:

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

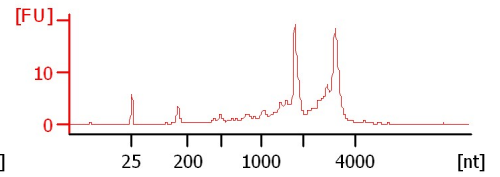
Sample 1
RIN: 7



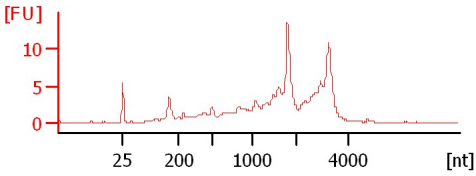
Sample 2
RIN: 6.90



Sample 3
RIN: 5.50



Sample 4
RIN: 4.70



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:7	
Sample 2		✓	RIN: 6.90	
Sample 3		✓	RIN: 5.50	
Sample 4		✓	RIN: 4.70	
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 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/ 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

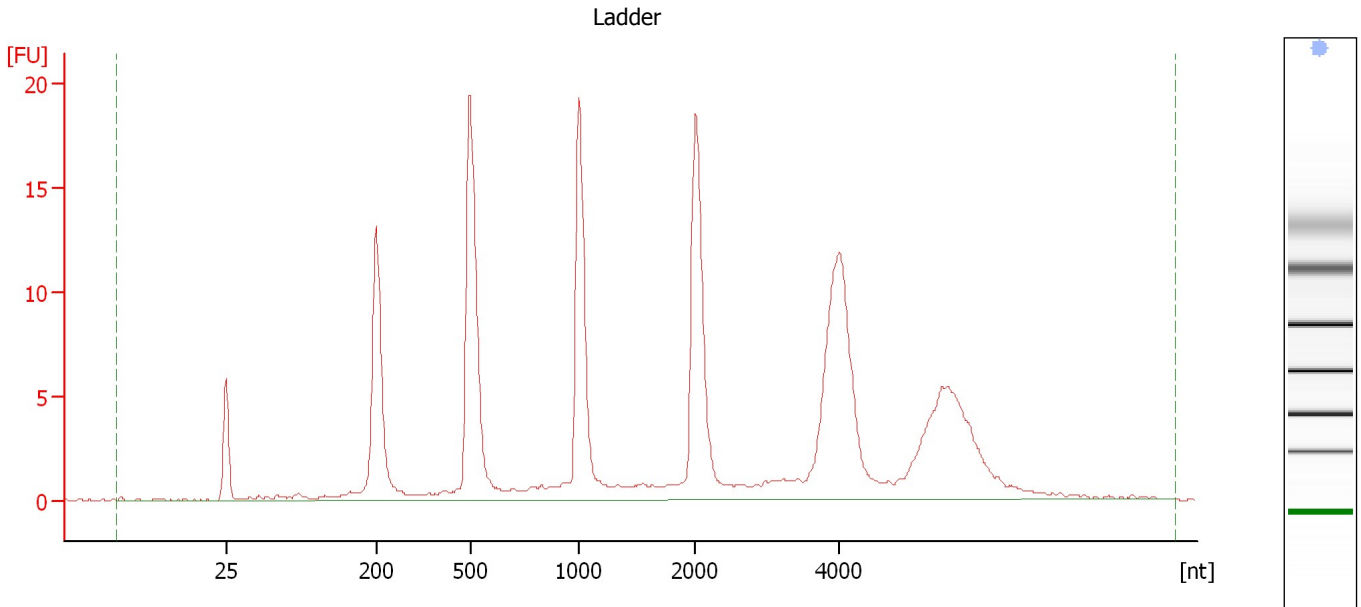
Ladder

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\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electropherogram Summary



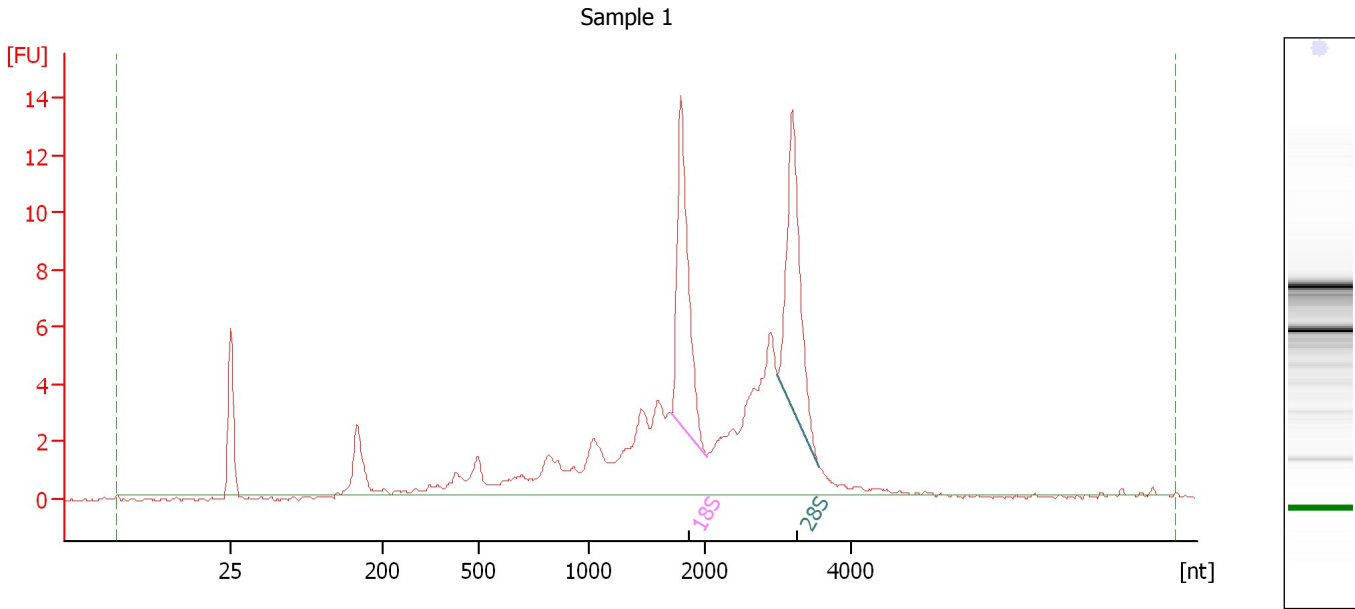
Overall Results for Ladder

RNA Area:	182.9	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	106.9	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	88 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN:7

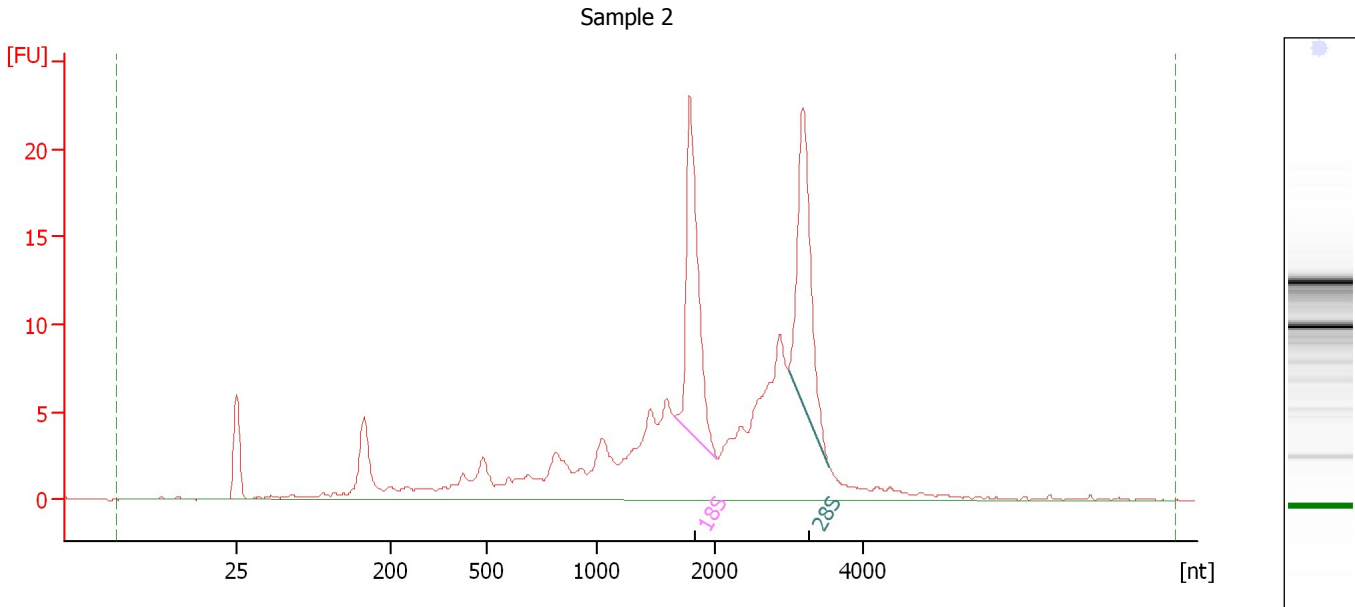
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,022	14.6	13.7
28S	2,990	3,562	14.4	13.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	197.1	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	162 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.90

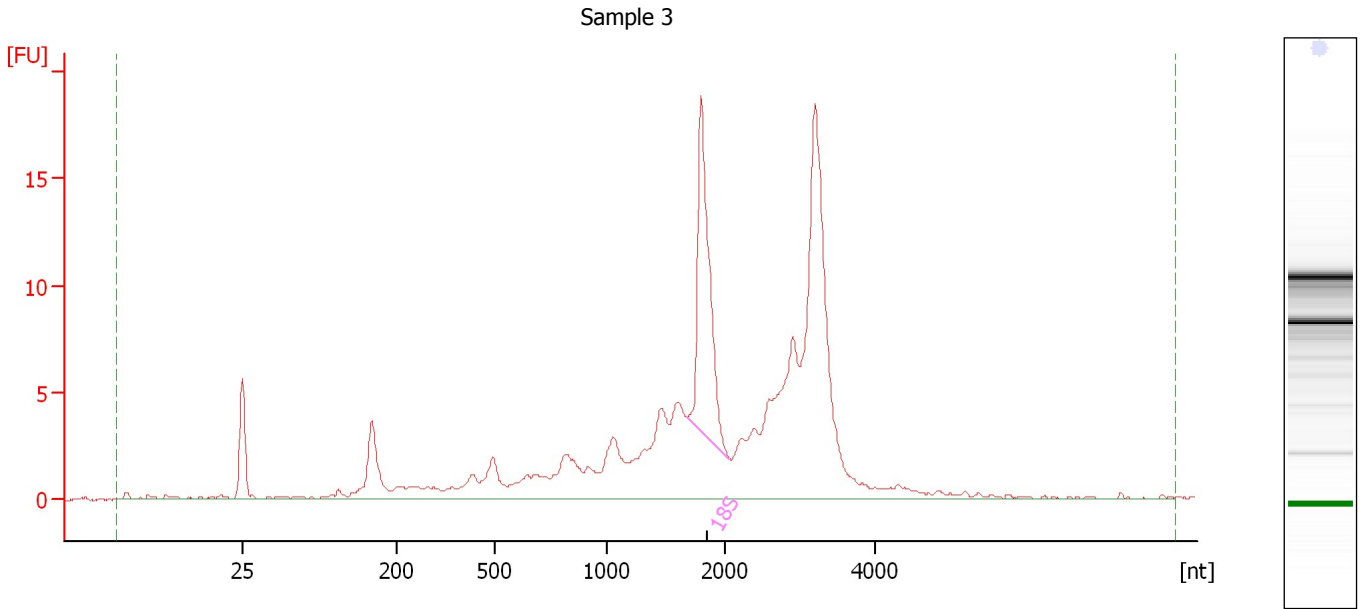
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	2,030	25.2	12.8
28S	2,988	3,554	23.2	11.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	159.6	RNA Integrity Number (RIN):	5.5 (B.02.08)
RNA Concentration:	131 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.50

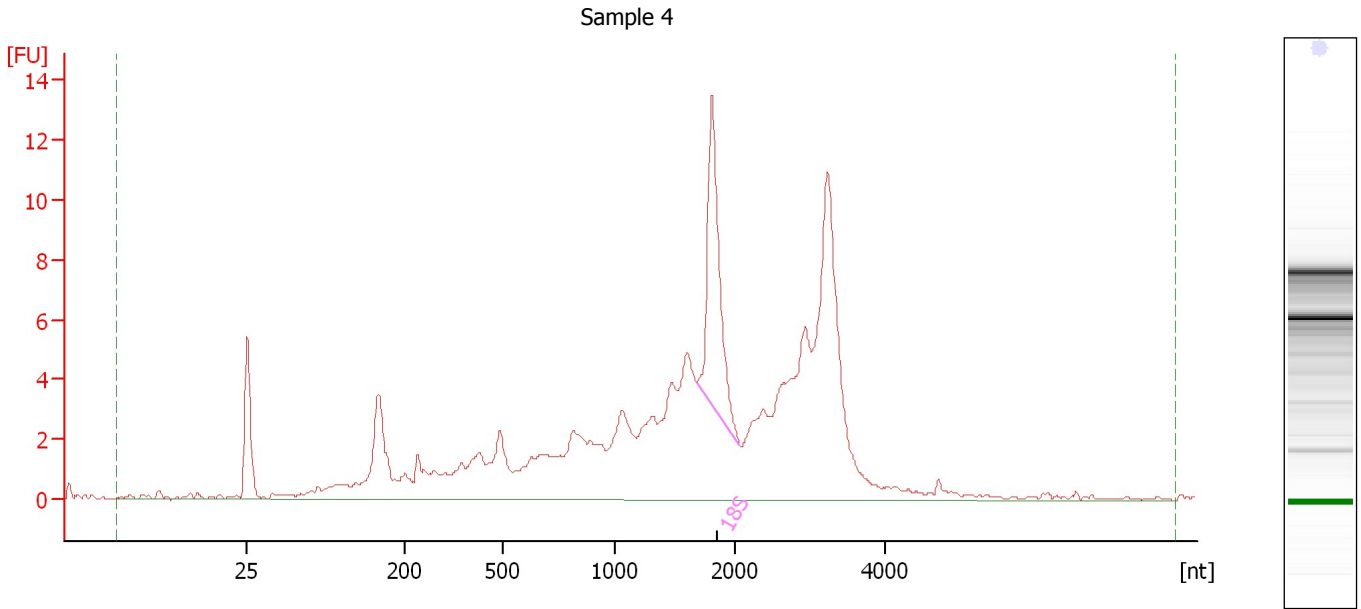
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,051	20.8	13.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	151.6	RNA Integrity Number (RIN):	4.7 (B.02.08)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.70

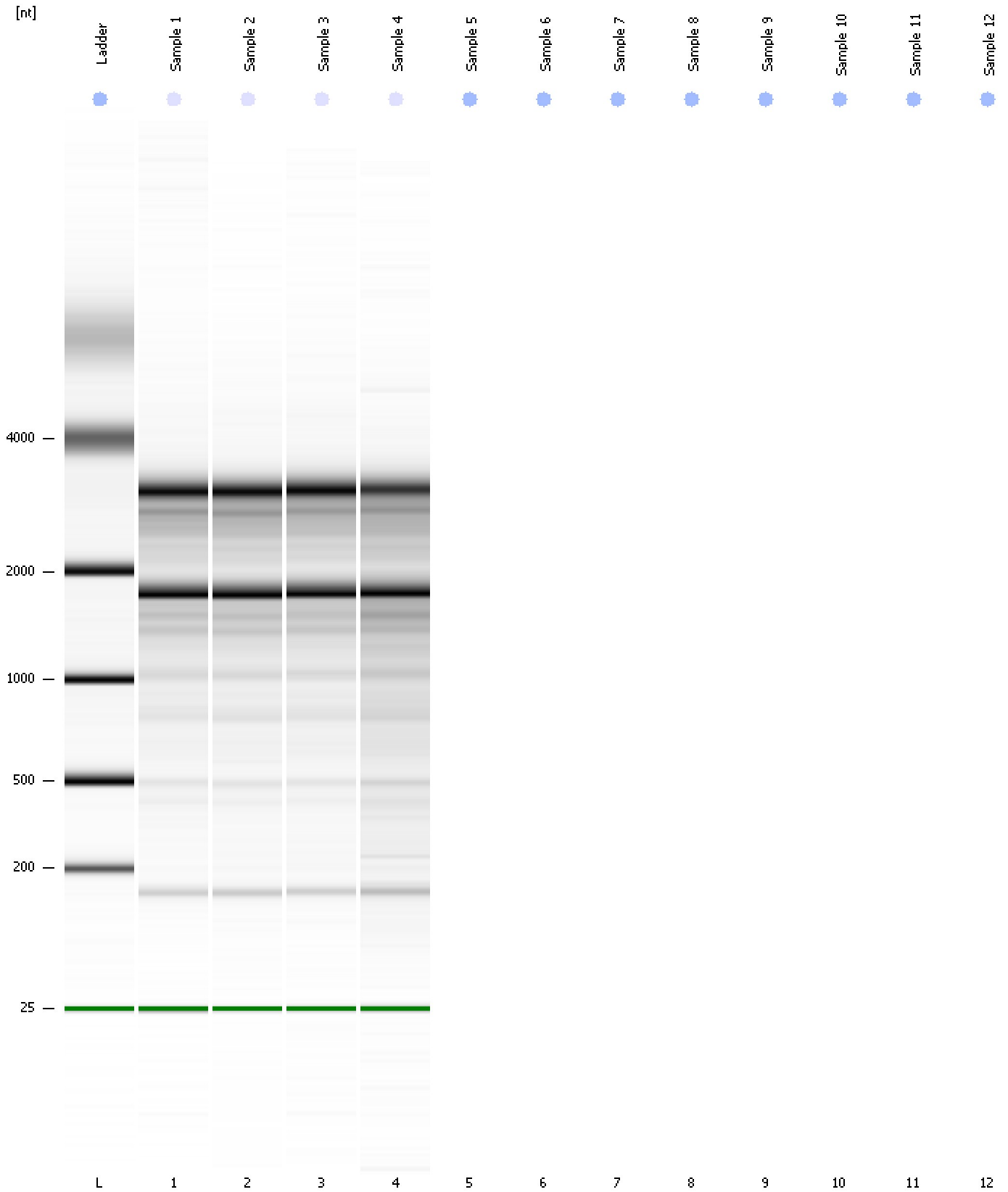
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	2,059	13.6	9.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad

Created: 9/9/2014 3:08:16 PM
Modified: 9/9/2014 3:21:10 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 9/9/2014 3:08:16 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad Modified: 9/9/2014 3:21:10 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		9/9/2014 3:21:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-09\2014-09-09_003.xad)		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/9/2014 3:08:22 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1