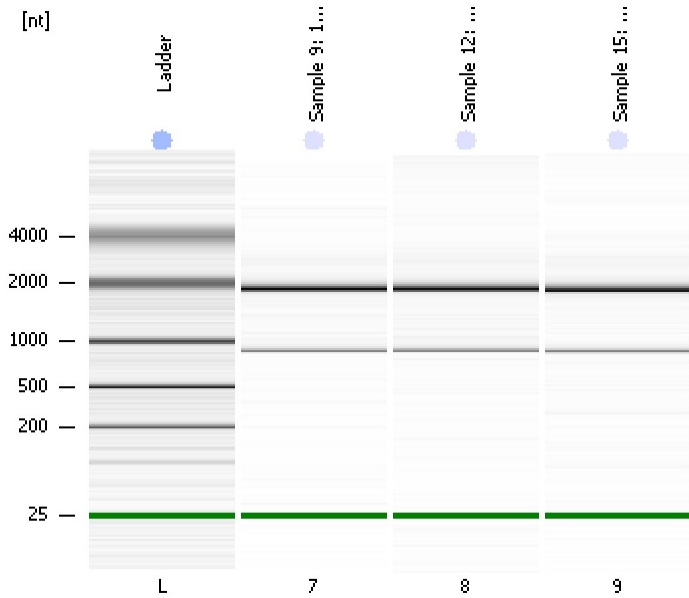


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:42 AM

Electrophoresis File Run Summary



Instrument Information:

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

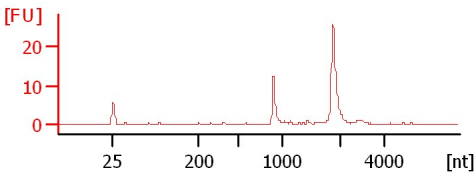
Assay Information:

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.

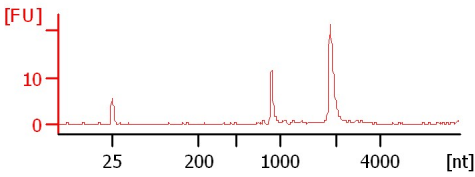
Chip Information:

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

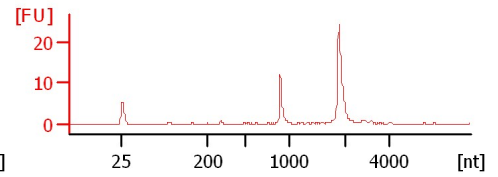
Sample 9: 1H-3
RIN: 9.80



Sample 12: 2A-3
RIN: 9.90



Sample 15: 2E-3
RIN: 9.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 9: 1H-3		✓	RIN: 9.80	
Sample 12: 2A-3		✓	RIN: 9.90	
Sample 15: 2E-3		✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:42 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

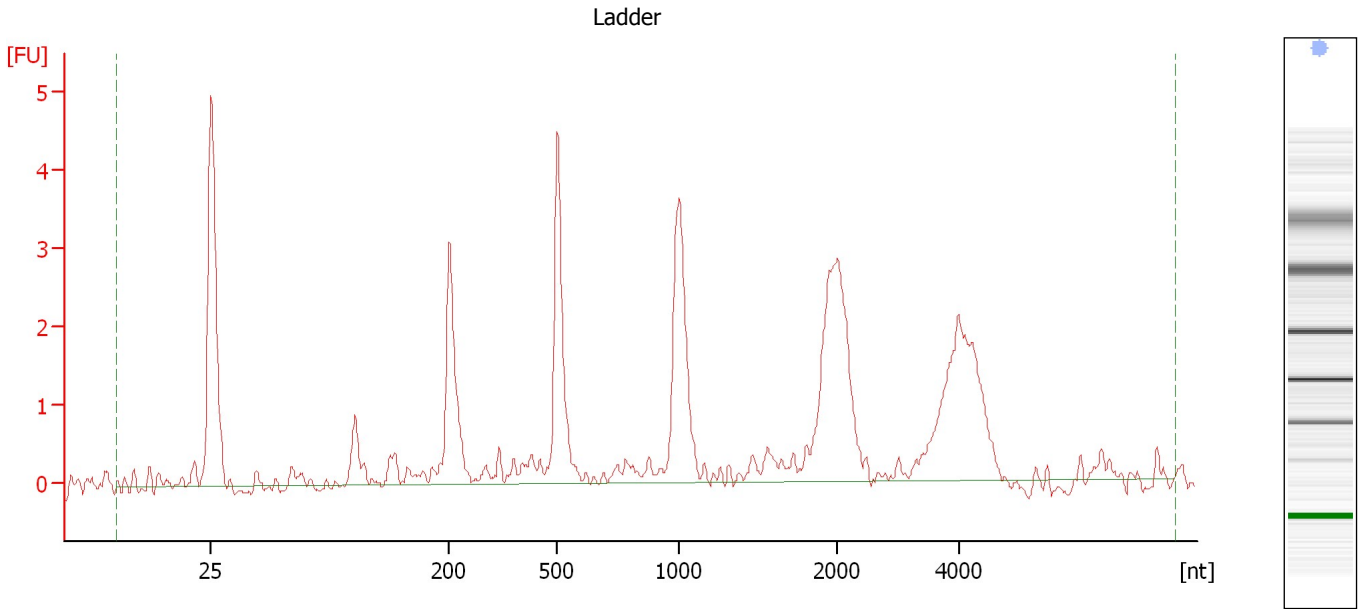
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:42 AM

Electropherogram Summary



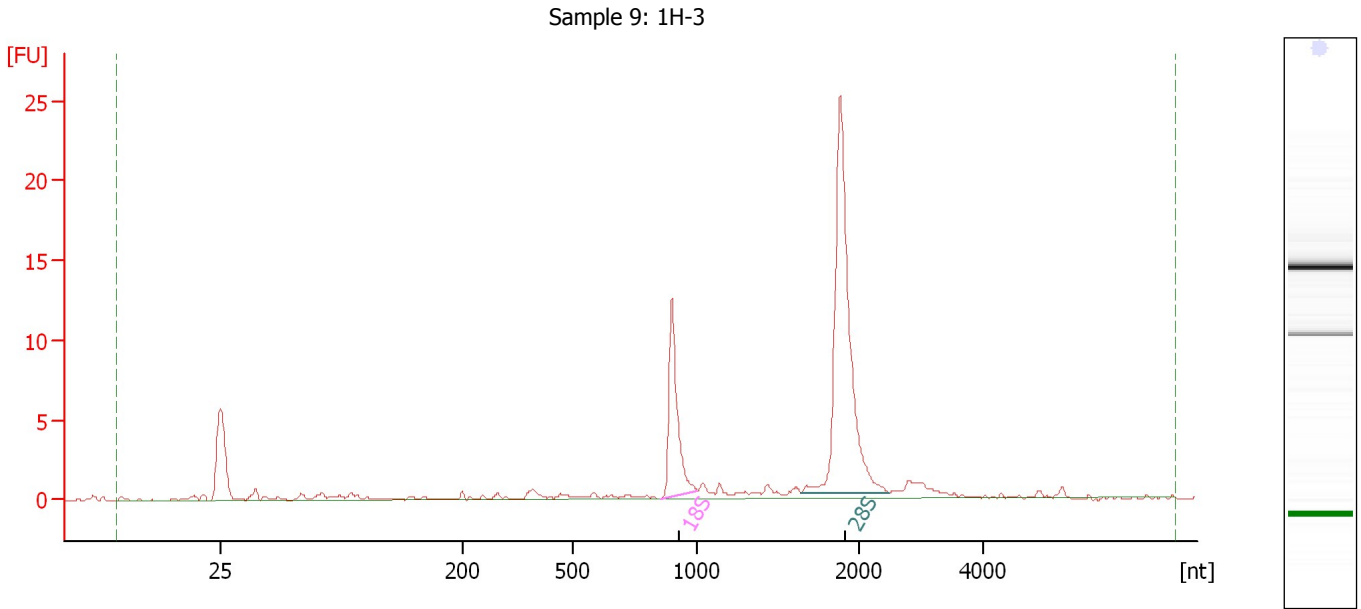
Overall Results for Ladder

RNA Area:	39.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 9: 1H-3

RNA Area:	70.4	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	268 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN: 9.80

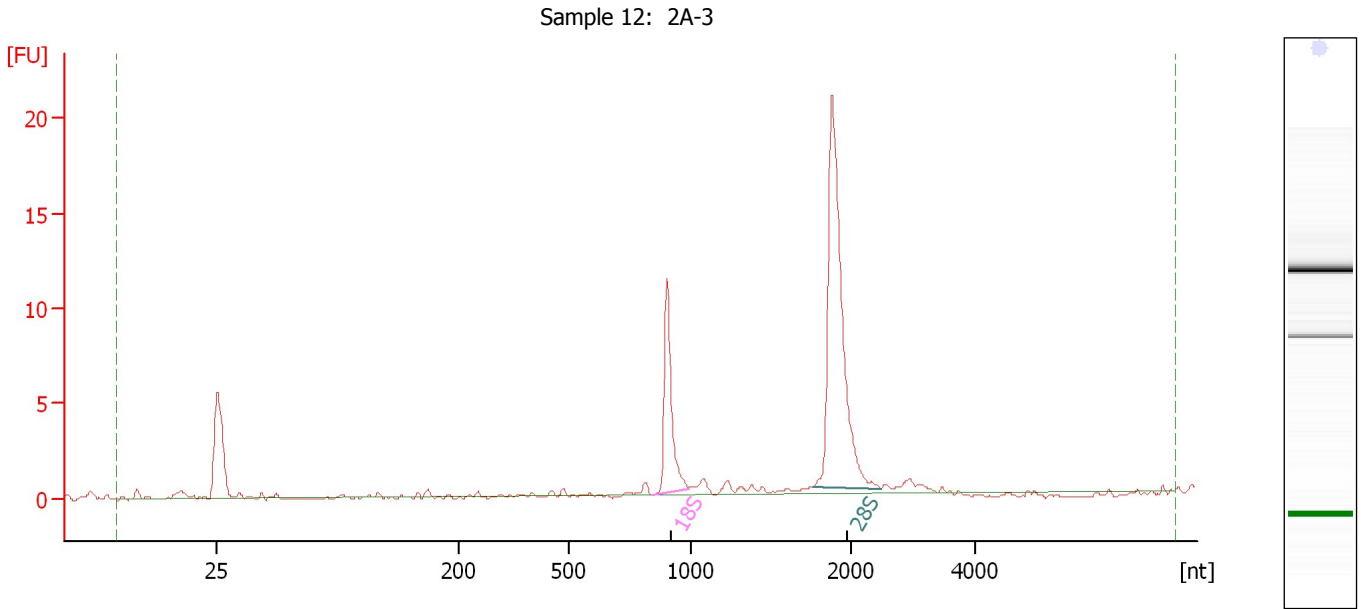
Fragment table for sample 7 : Sample 9: 1H-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	852	998	12.2	17.3
28S	1,648	2,498	35.7	50.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 12: 2A-3

RNA Area:	51.3	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	195 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.90

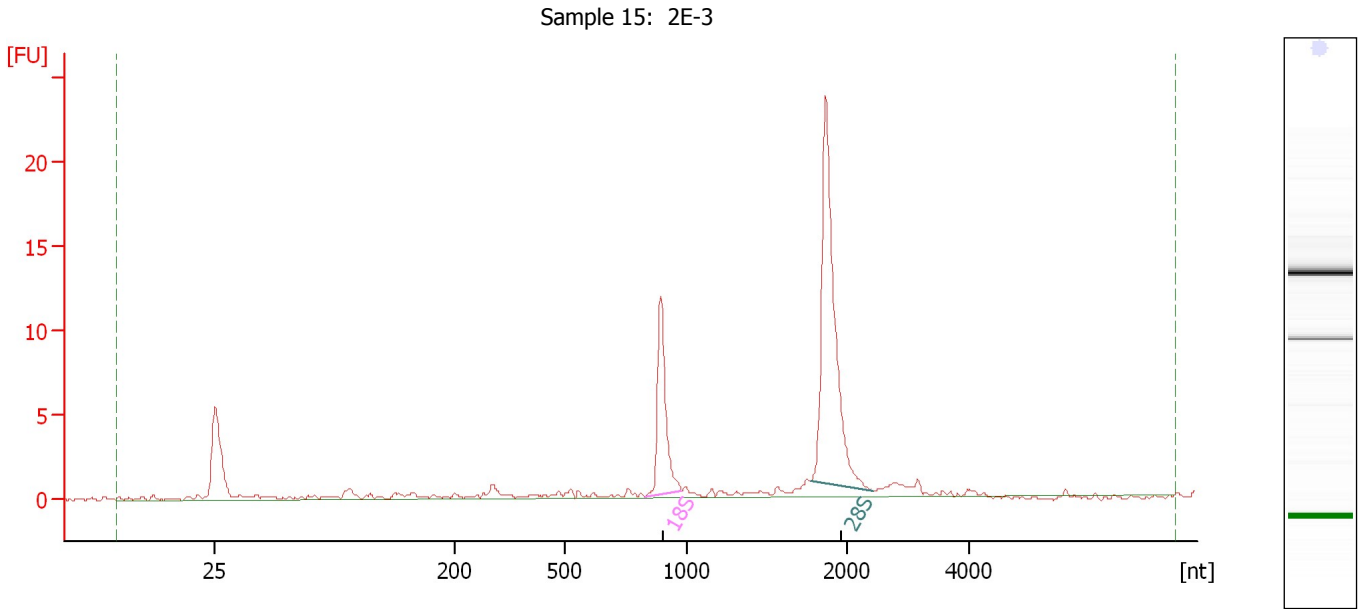
Fragment table for sample 8 : Sample 12: 2A-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	846	989	10.1	19.6
28S	1,764	2,478	28.3	55.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 15: 2E-3

RNA Area:	64.8	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	247 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN: 9.50

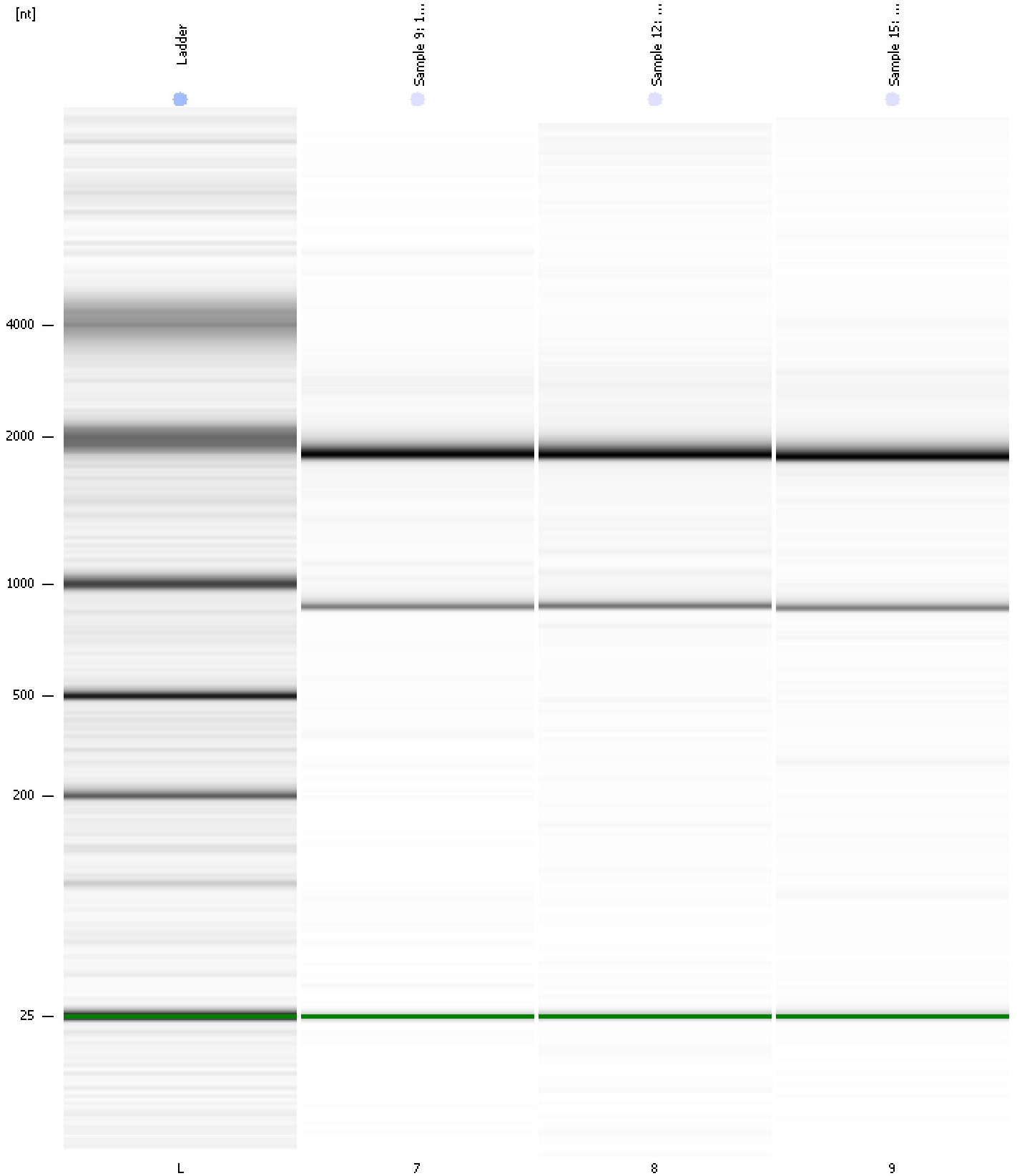
Fragment table for sample 9 : Sample 15: 2E-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	827	975	10.9	16.9
28S	1,772	2,419	30.0	46.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:42 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2016-01-27\2016-01-27_001_HiSeq_368_TotalRNAQC_9_12_15.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:42 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		1/27/2016 10:09:59 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2016-01-27\2016-01-27_001.xad)		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1