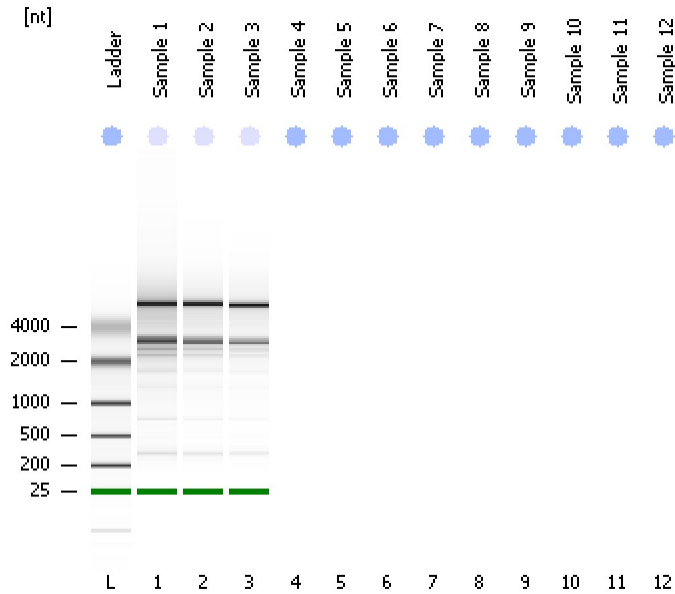


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Electrophoresis File Run Summary



Instrument Information:

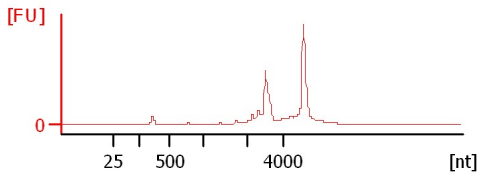
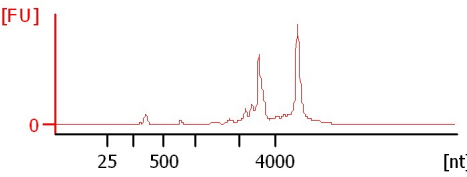
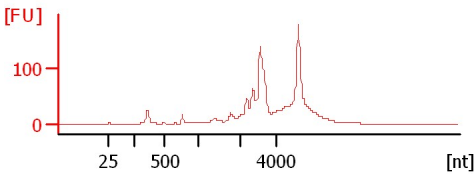
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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)
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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\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 7.80	
Sample 2		✓	RIN: 8.30	
Sample 3		✓	RIN: 8.50	
Sample 4			All Other Samples	
Sample 5			All Other Samples	
Sample 6			All Other Samples	
Sample 7			All Other Samples	
Sample 8			All Other Samples	
Sample 9			All Other Samples	
Sample 10			All Other Samples	
Sample 11			All Other Samples	
Sample 12			All Other Samples	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 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/ 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

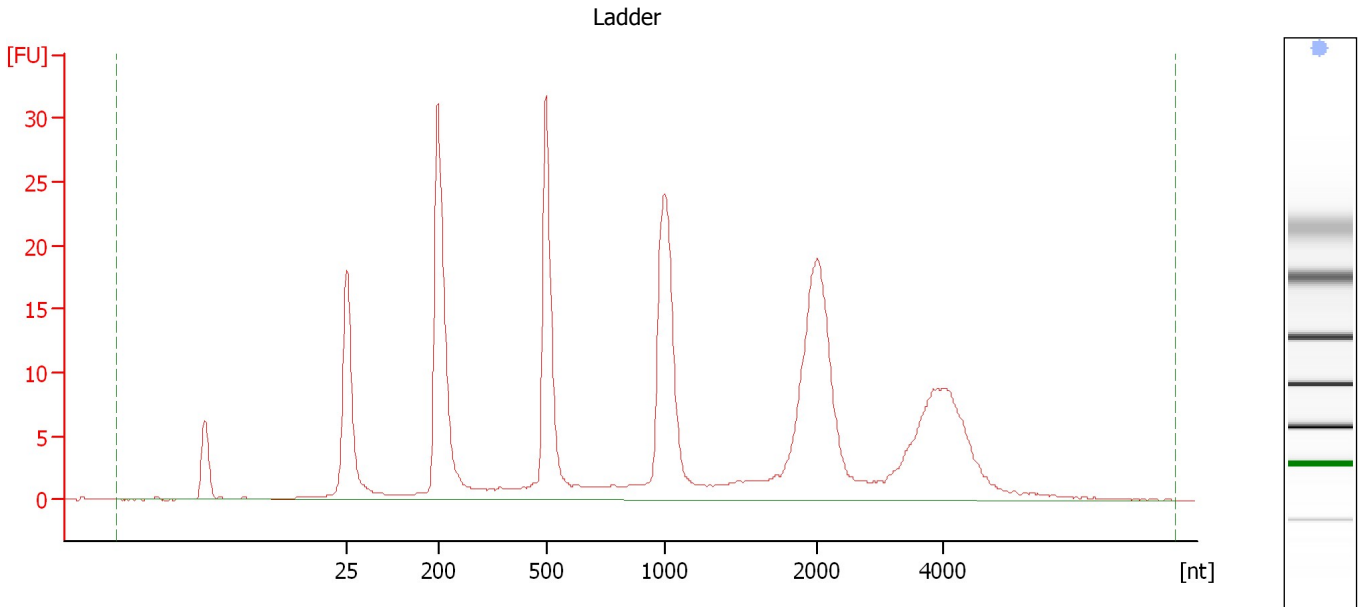
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Electropherogram Summary



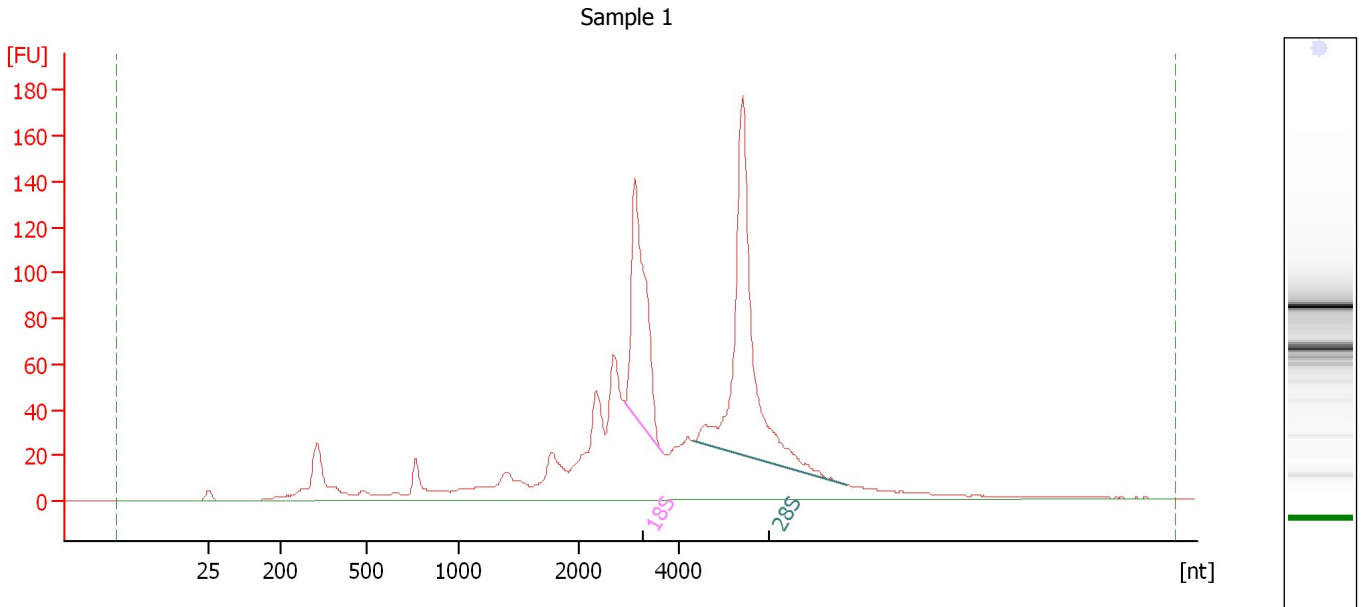
Overall Results for Ladder

RNA Area:	285.0	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\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
 Modified: 8/4/2014 12:45:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	1,425.5	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	750 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.80

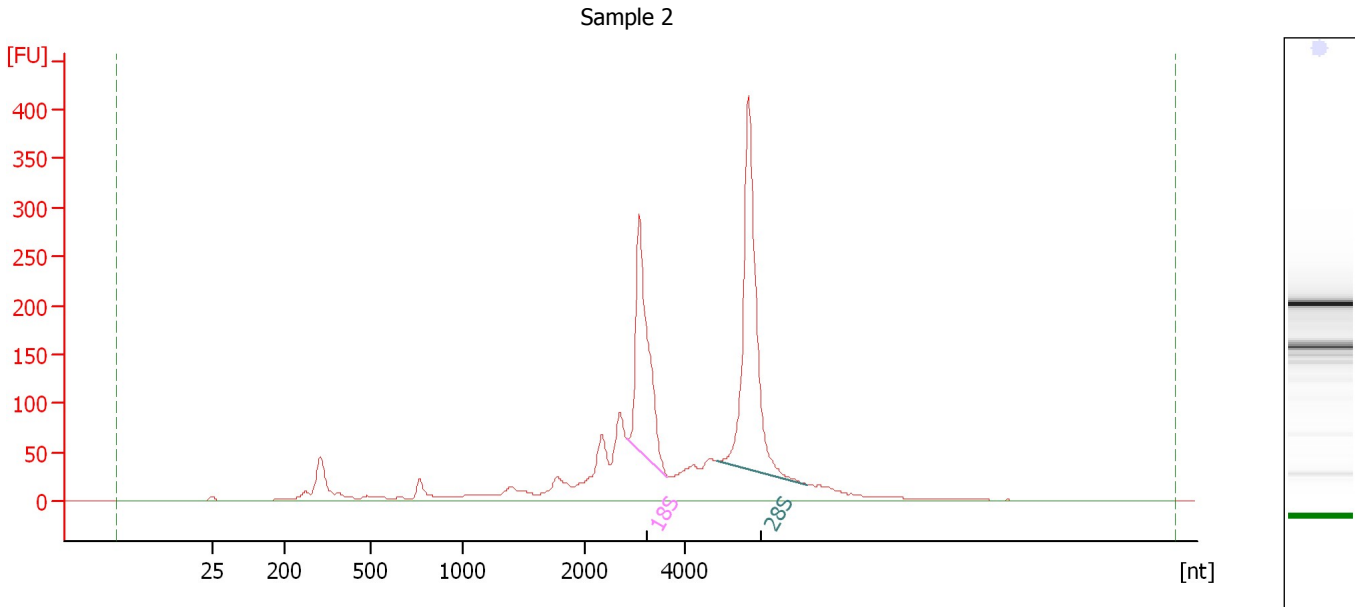
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,936	3,662	180.7	12.7
28S	4,281	7,357	304.2	21.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	2,180.7	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,148 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.30

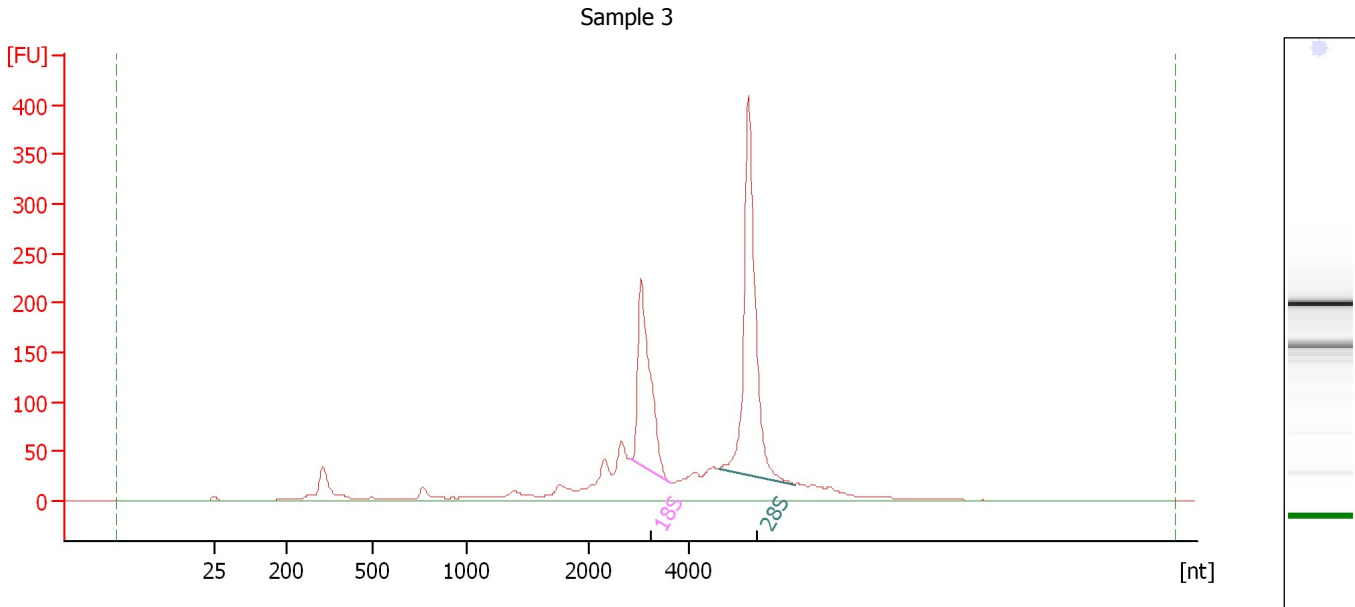
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,862	3,648	355.0	16.3
28S	4,645	6,428	530.0	24.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
 Modified: 8/4/2014 12:45:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	1,705.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	898 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.50

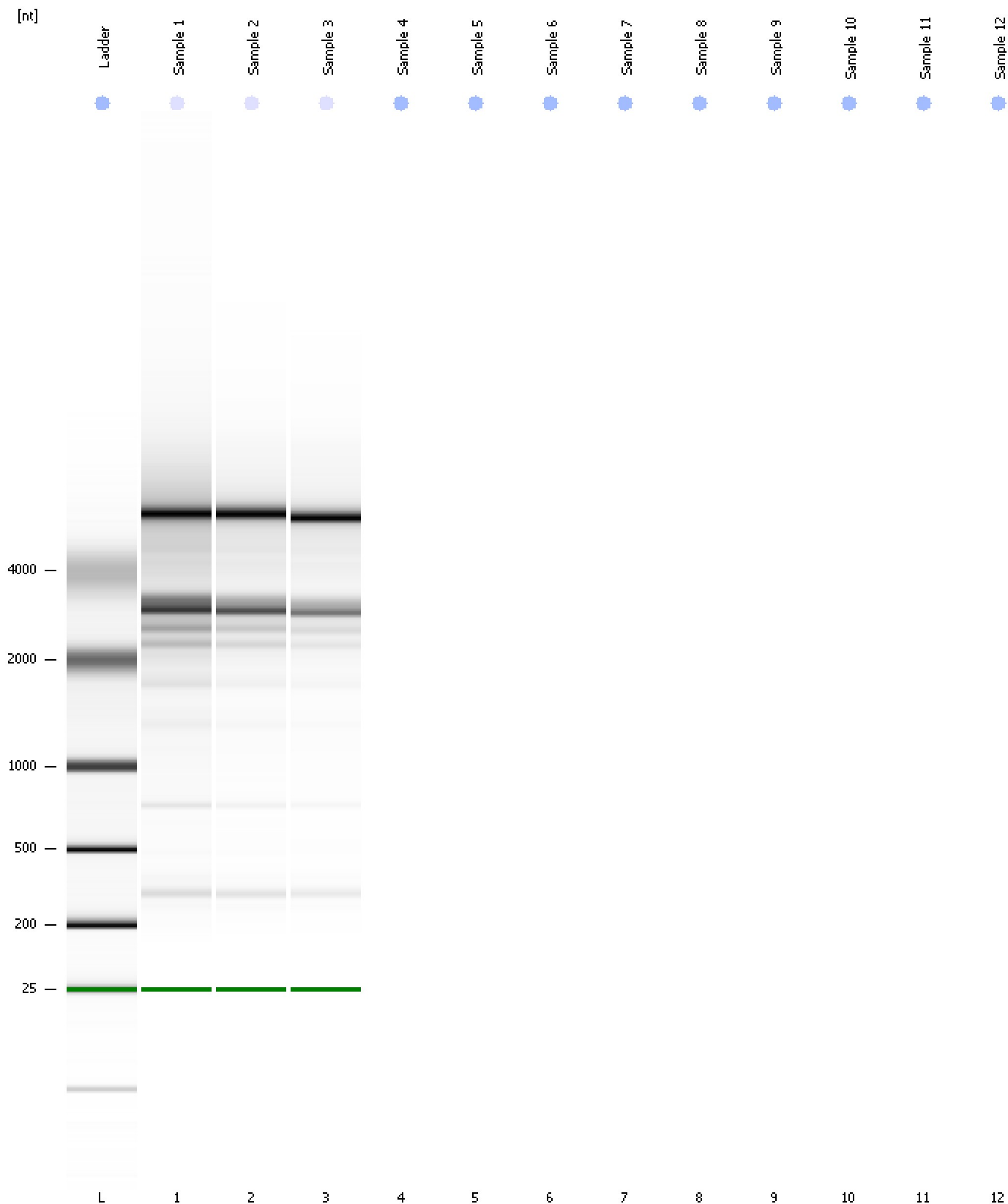
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,828	3,631	279.1	16.4
28S	4,582	6,083	471.1	27.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
Modified: 8/4/2014 12:45:46 PM

Invalid Samples

- Sample 4 has not been run, no results available.
- Sample 5 has not been run, no results available.
- Sample 6 has not been run, no results available.
- Sample 7 has not been run, no results available.
- Sample 8 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-04\2014-08-04_003.xad

Created: 8/4/2014 12:29:26 PM
 Modified: 8/4/2014 12:45:46 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		8/4/2014 12:40:58 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\2014-08-04\2014-08-04_003.xad)		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/4/2014 12:29:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1