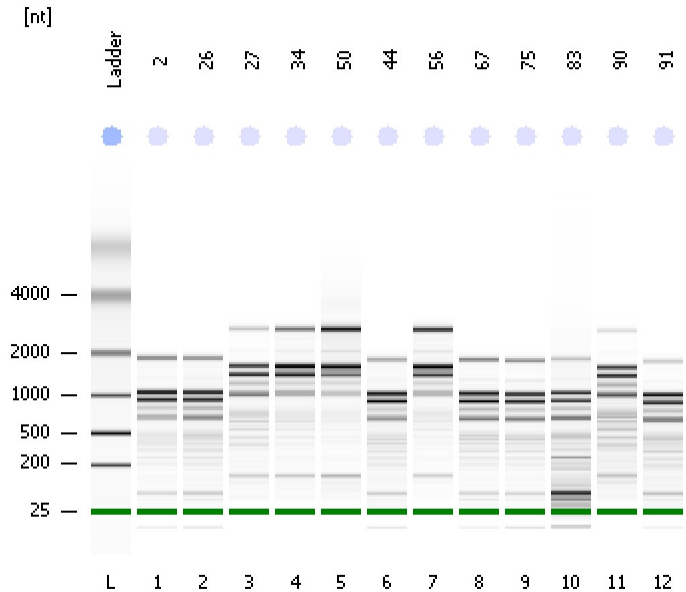


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
 Modified: 8/12/2019 10:16:41 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2		✓	RIN: 6.10	
26		✓	RIN: 5.80	
27		✓	RIN: 5.80	
34		✓	RIN: 6.10	
50		✓	RIN: 6.90	
44		✓	RIN: 5.80	
56		✓	RIN: 6.50	
67		✓	RIN: 5.90	
75		✓	RIN:6	
83		✓	RIN: 5.10	
90		✓	RIN: 5.20	
91		✓	RIN: 5.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 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

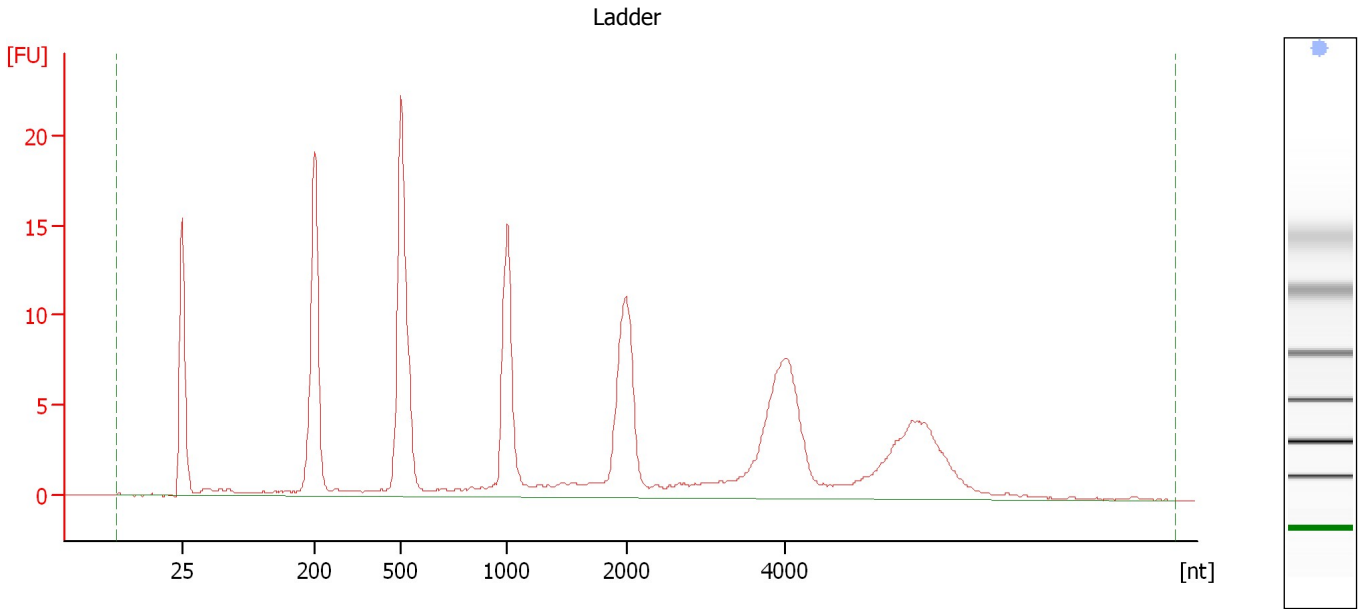
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Electropherogram Summary



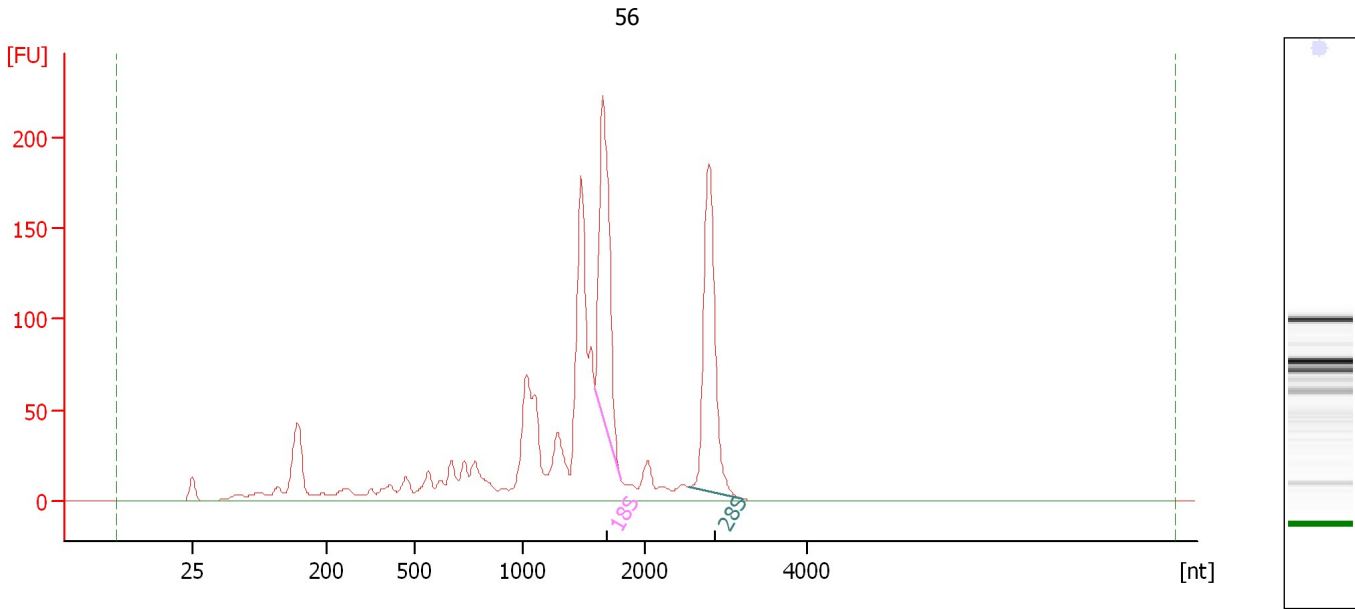
Overall Results for Ladder

RNA Area:	188.9	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\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 56

RNA Area: 1,519.5 RNA Integrity Number (RIN): 6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 1,207 ng/μl
rRNA Ratio [28s / 18s]: 1.0
Result Flagging Color:
Result Flagging Label: RIN: 6.50

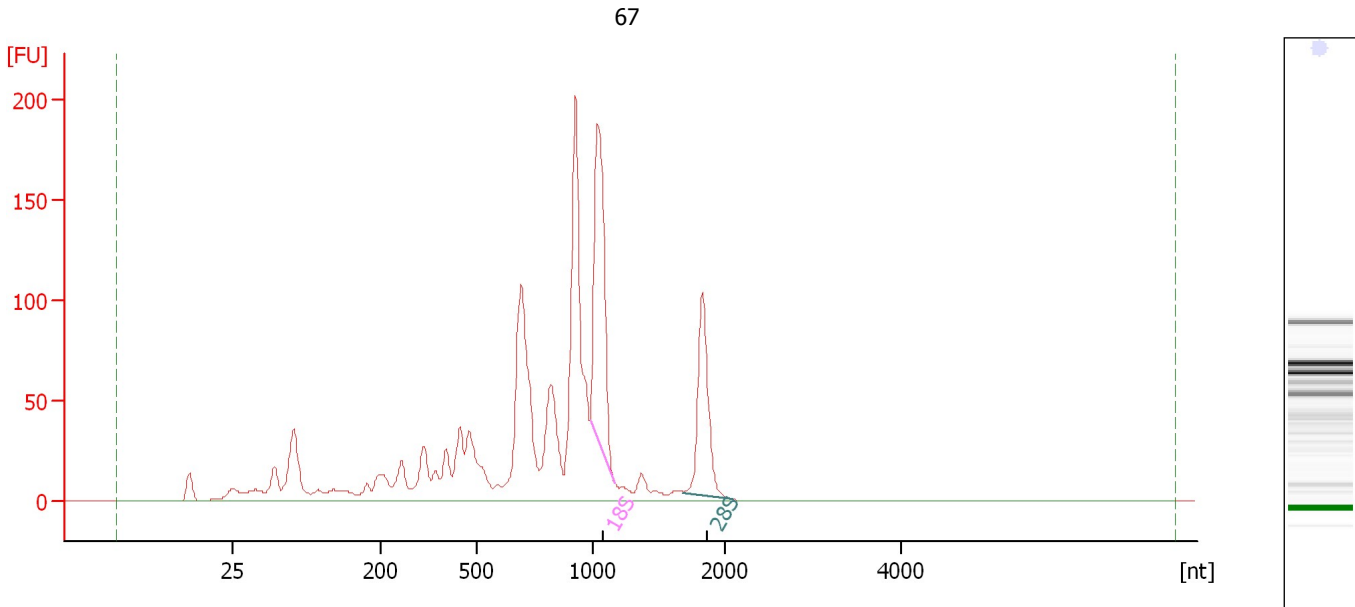
Fragment table for sample 7 : 56

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,796	230.9	15.2
28S	2,552	3,214	231.0	15.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 67

RNA Area: 1,487.3 RNA Integrity Number (RIN): 5.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 1,181 ng/μl
rRNA Ratio [28s / 18s]: 0.6
Result Flagging Color:
Result Flagging Label: RIN: 5.90

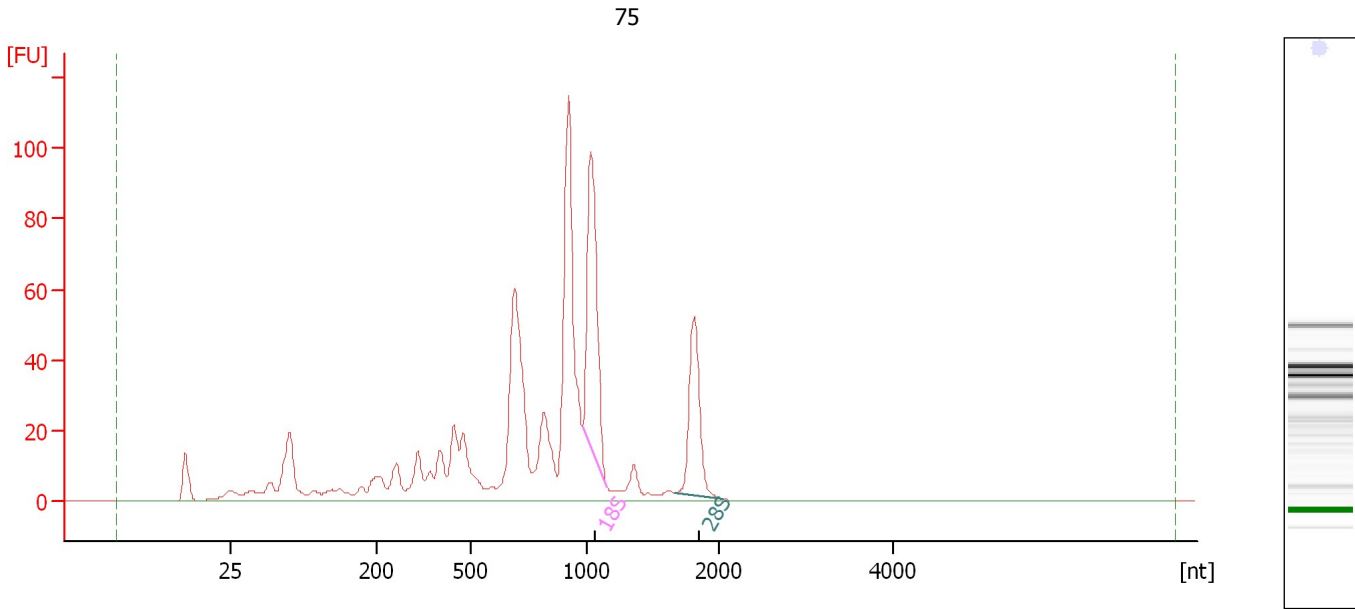
Fragment table for sample 8 : 67

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	989	1,166	203.0	13.6
28S	1,683	2,094	120.9	8.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 75

RNA Area: 801.4 RNA Integrity Number (RIN): 6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 636 ng/μl
rRNA Ratio [28s / 18s]: 0.6
Result Flagging Color:
Result Flagging Label: RIN:6

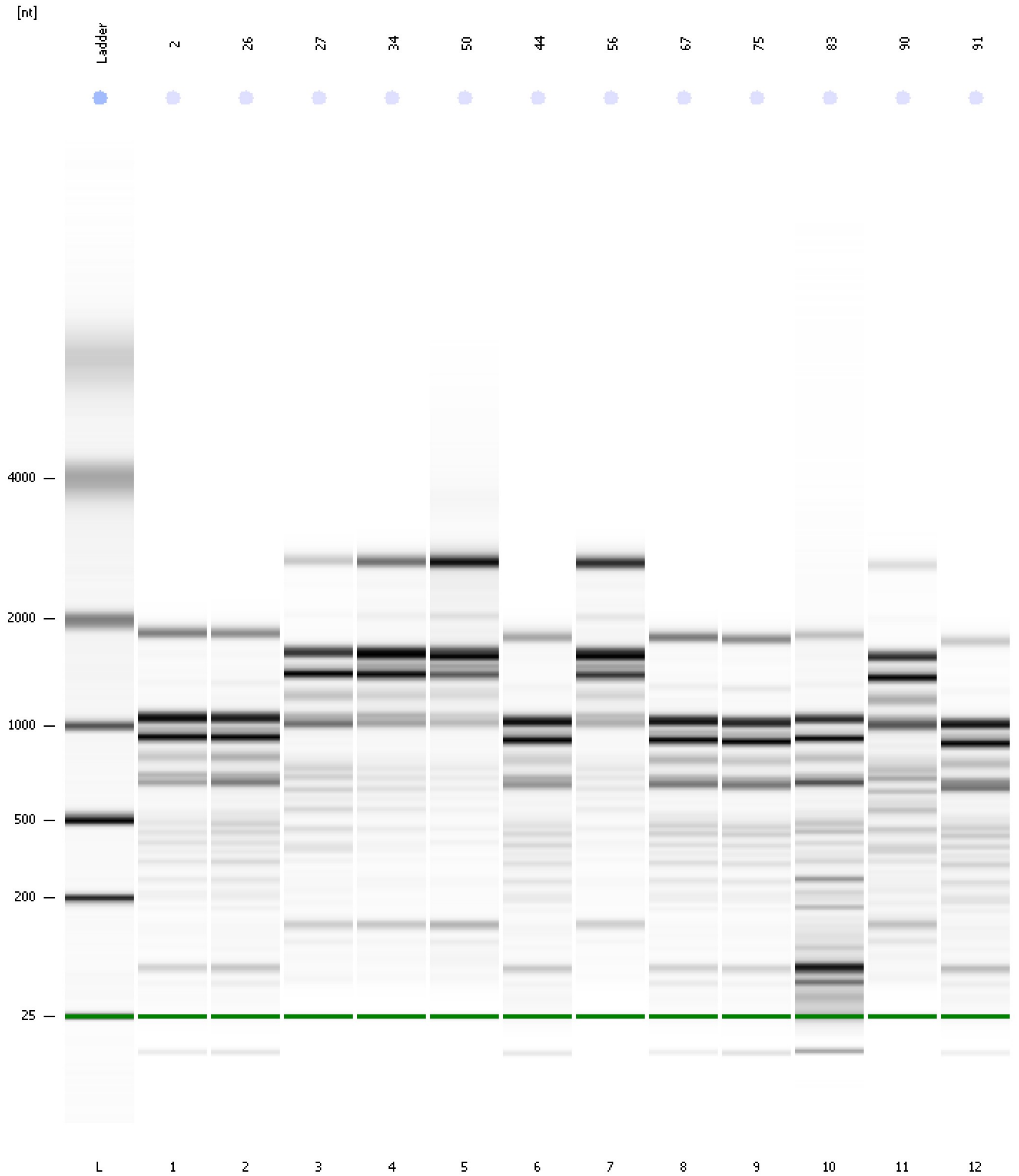
Fragment table for sample 9 : 75

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	980	1,151	107.9	13.5
28S	1,671	2,055	60.5	7.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
Modified: 8/12/2019 10:16:41 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad

Created: 8/12/2019 9:47:30 AM
 Modified: 8/12/2019 10:16:41 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		8/12/2019 10:11:22 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-08-12\2019-08-12_001.xad)		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/12/2019 9:47:35 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1