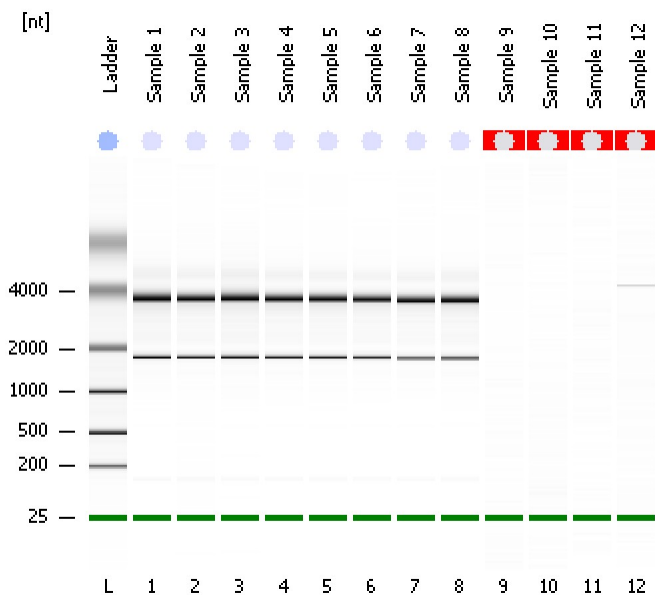


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electrophoresis File Run Summary**



Instrument Information:

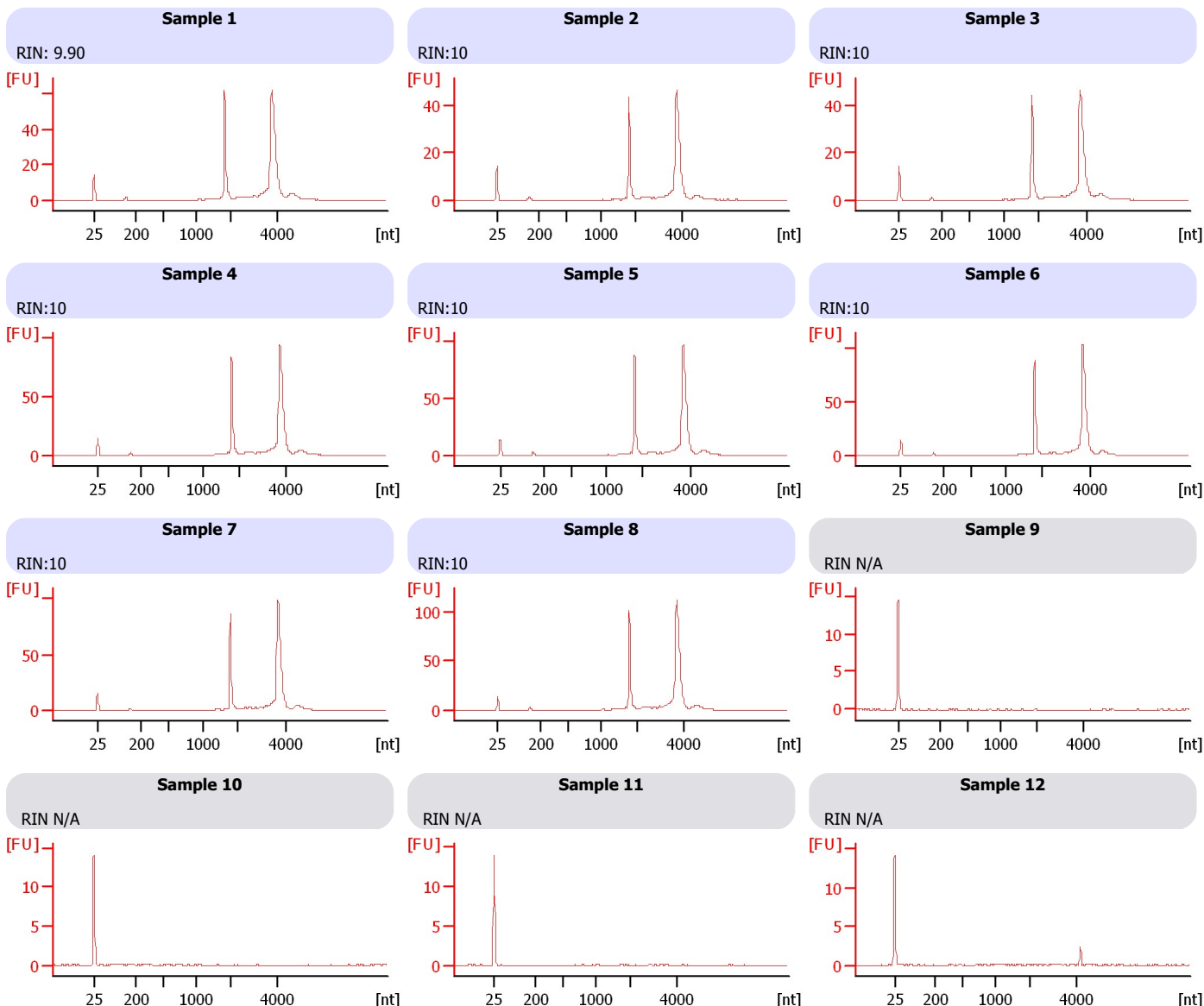
Instrument Name: DE72902096      Firmware: C.01.069  
 Serial#: DE72902096      Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xs  
 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:



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Sta tus	Result Label	Result Color
Sample 1		✓	RIN: 9.90	
Sample 2		✓	RIN:10	
Sample 3		✓	RIN:10	
Sample 4		✓	RIN:10	
Sample 5		✓	RIN:10	
Sample 6		✓	RIN:10	
Sample 7		✓	RIN:10	
Sample 8		✓	RIN:10	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
Modified: 6/9/2015 3:48:32 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

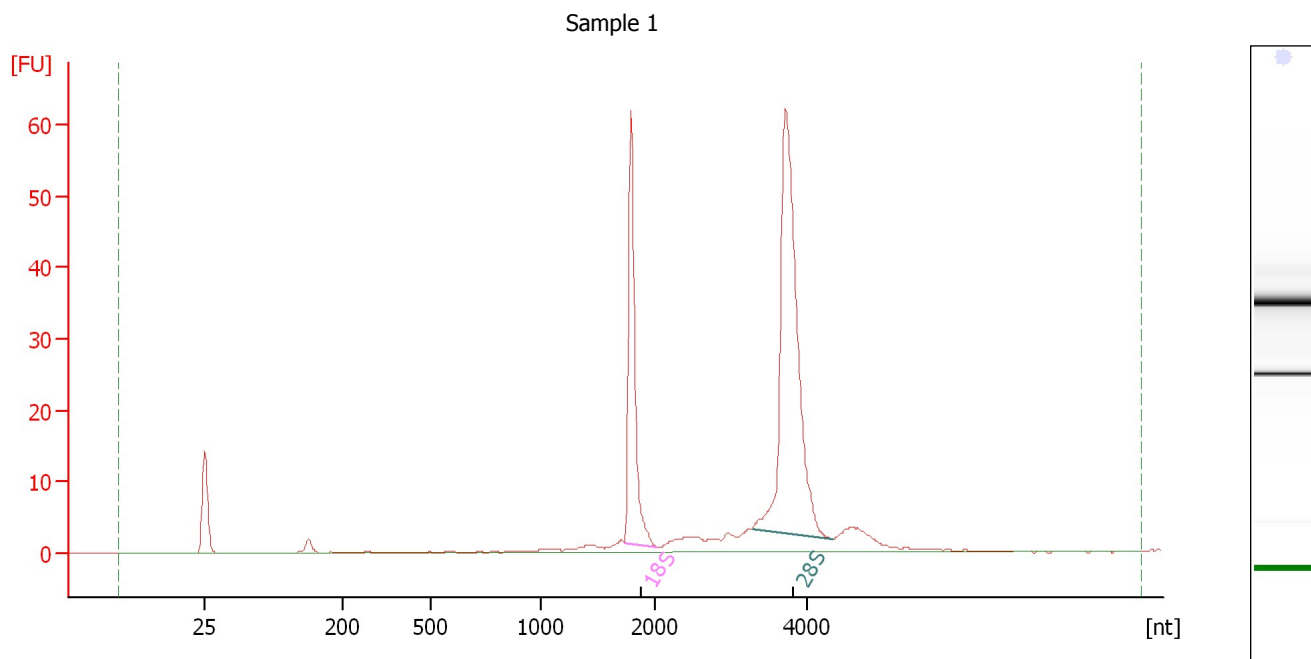
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary**



**Overall Results for sample 1 : Sample 1**

RNA Area:	220.9	RNA Integrity Number (RIN):	9.9 (B.02.07)
RNA Concentration:	162 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.90

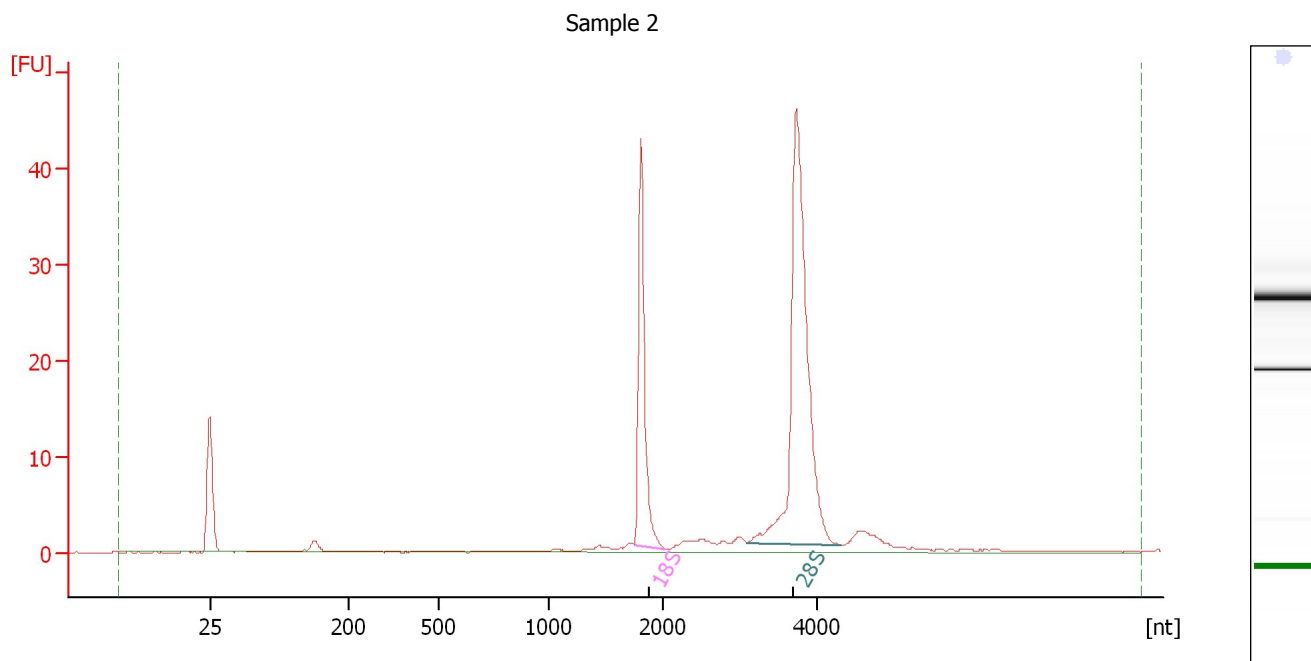
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,029	49.9	22.6
28S	3,289	4,345	108.4	49.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 2**

RNA Area:	145.3	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	107 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN:10

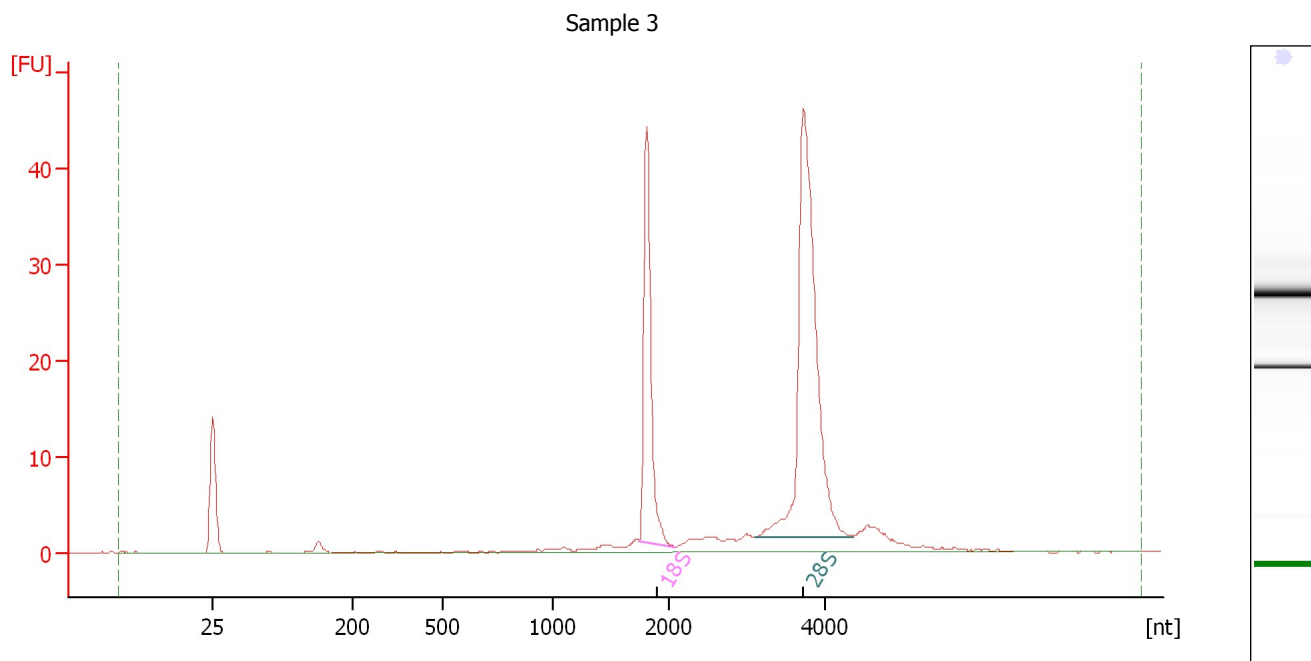
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,020	32.0	22.0
28S	3,080	4,300	76.5	52.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 3**

RNA Area:	158.9	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	116 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

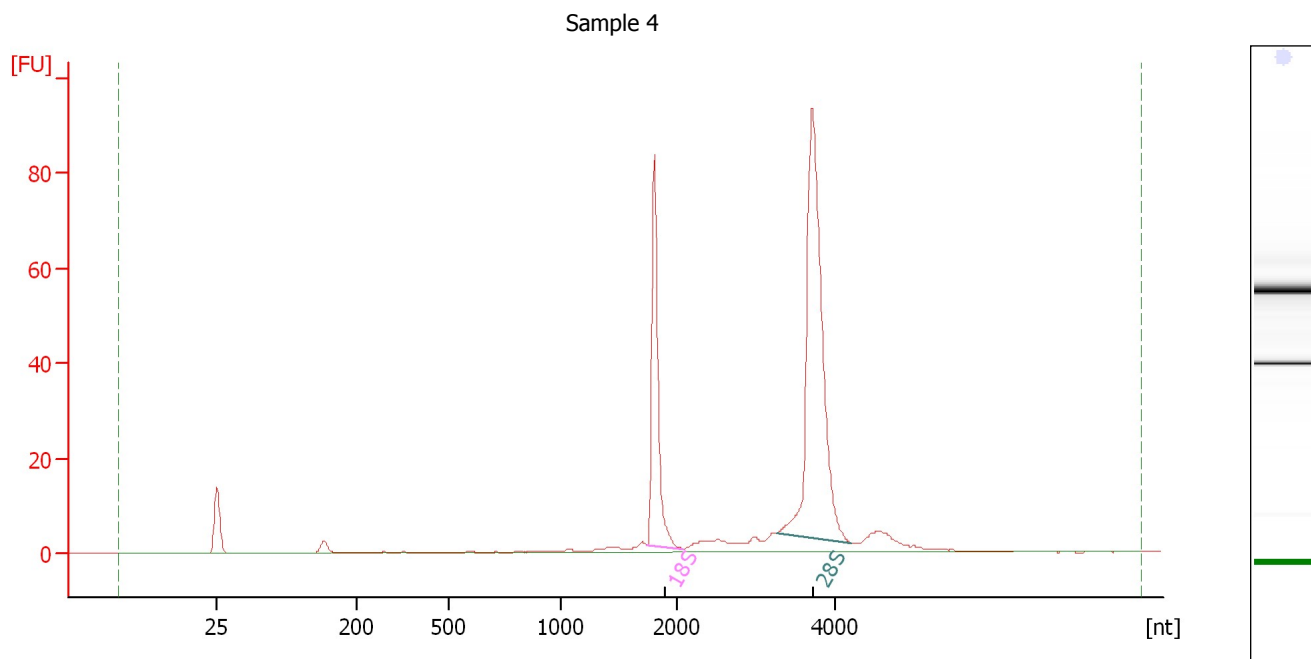
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,064	35.0	22.0
28S	3,103	4,368	80.3	50.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

RNA Area:	280.5	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	206 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

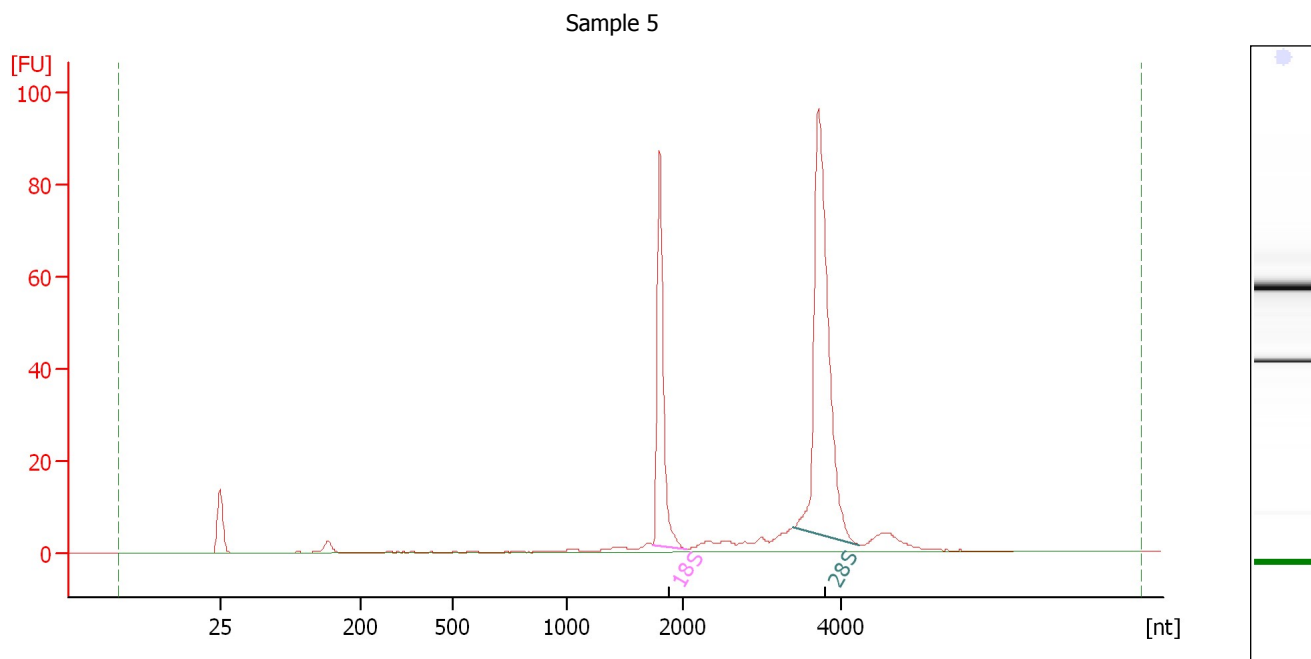
**Fragment table for sample 4 : Sample 4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,054	64.5	23.0
28S	3,256	4,221	142.3	50.7

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Sample 5**

RNA Area:	282.4	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	207 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

**Fragment table for sample 5 : Sample 5**

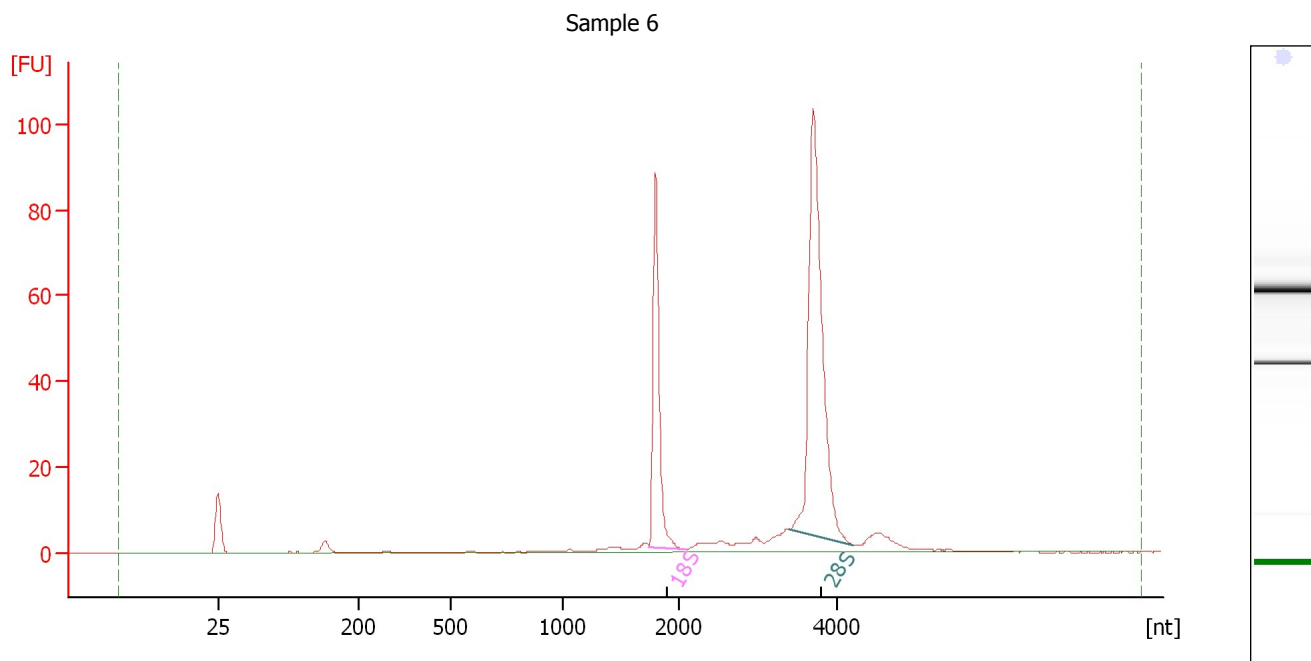
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,044	66.9	23.7
28S	3,396	4,237	138.3	49.0



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 6**

RNA Area:	288.1	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	211 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

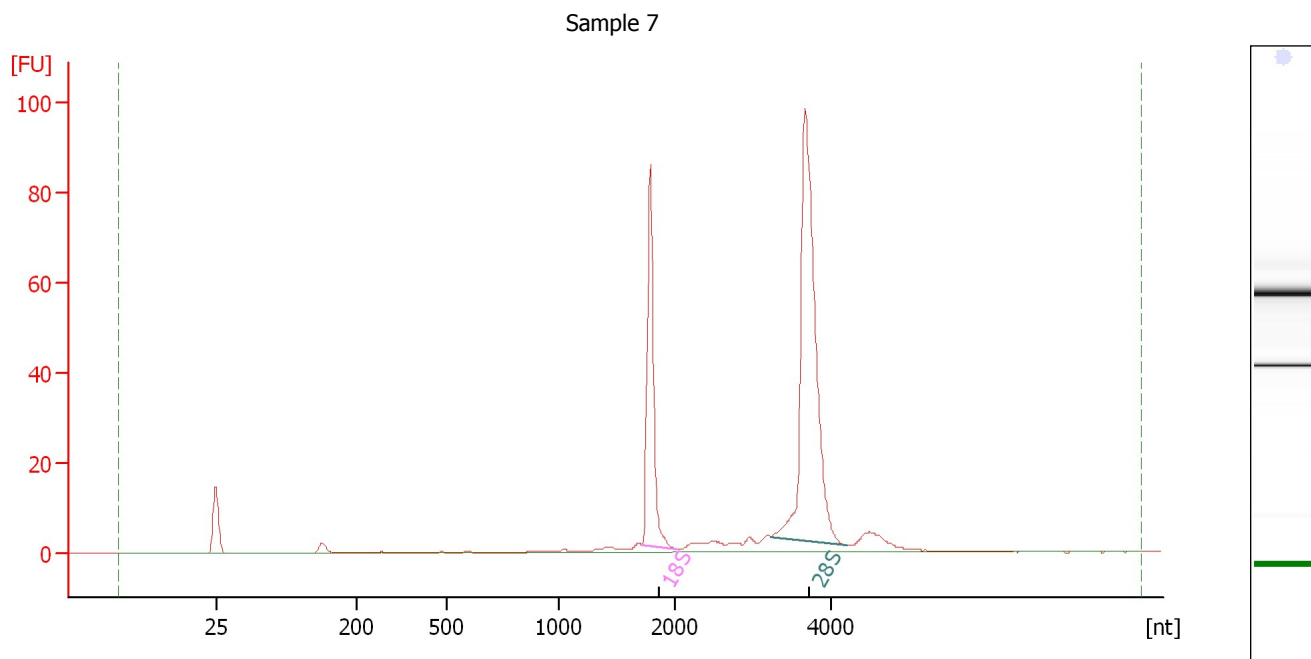
**Fragment table for sample 6 : Sample 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,055	66.6	23.1
28S	3,387	4,217	139.0	48.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	279.5	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	205 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

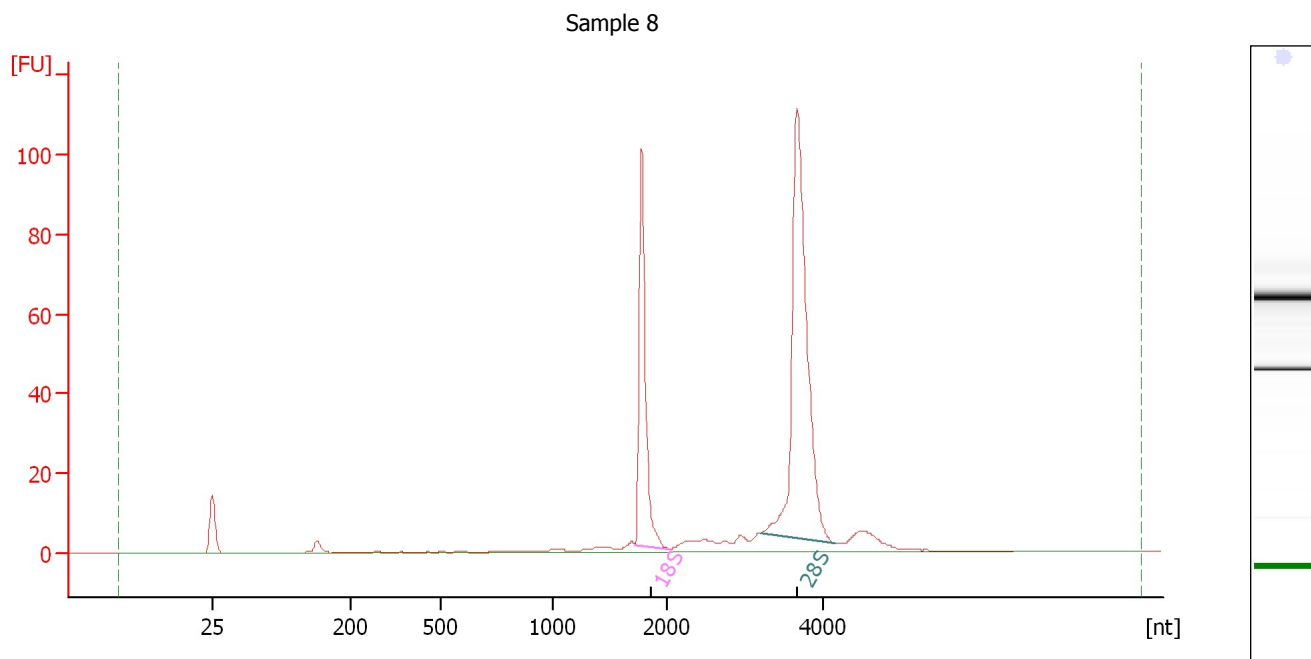
**Fragment table for sample 7 : Sample 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,013	63.0	22.5
28S	3,218	4,185	143.3	51.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 8**

RNA Area:	339.5	RNA Integrity Number (RIN):	10 (B.02.07)
RNA Concentration:	249 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

**Fragment table for sample 8 : Sample 8**

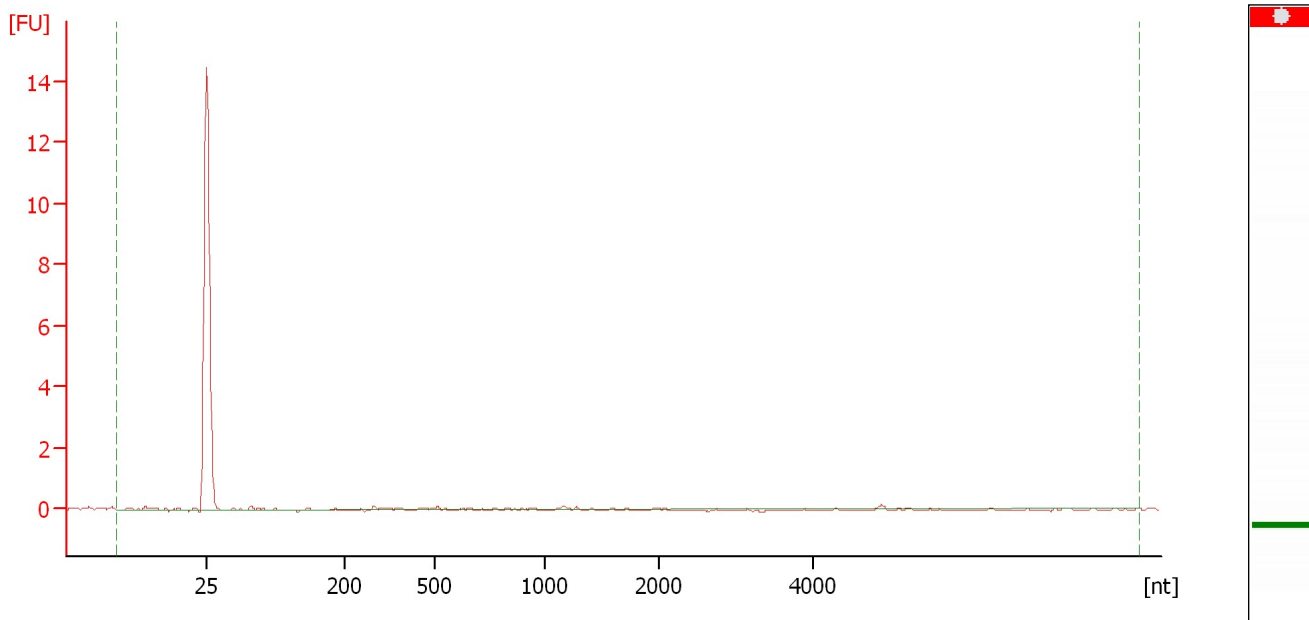
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,009	77.5	22.8
28S	3,211	4,172	170.3	50.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**

Sample 9



**Overall Results for sample 9 : Sample 9**

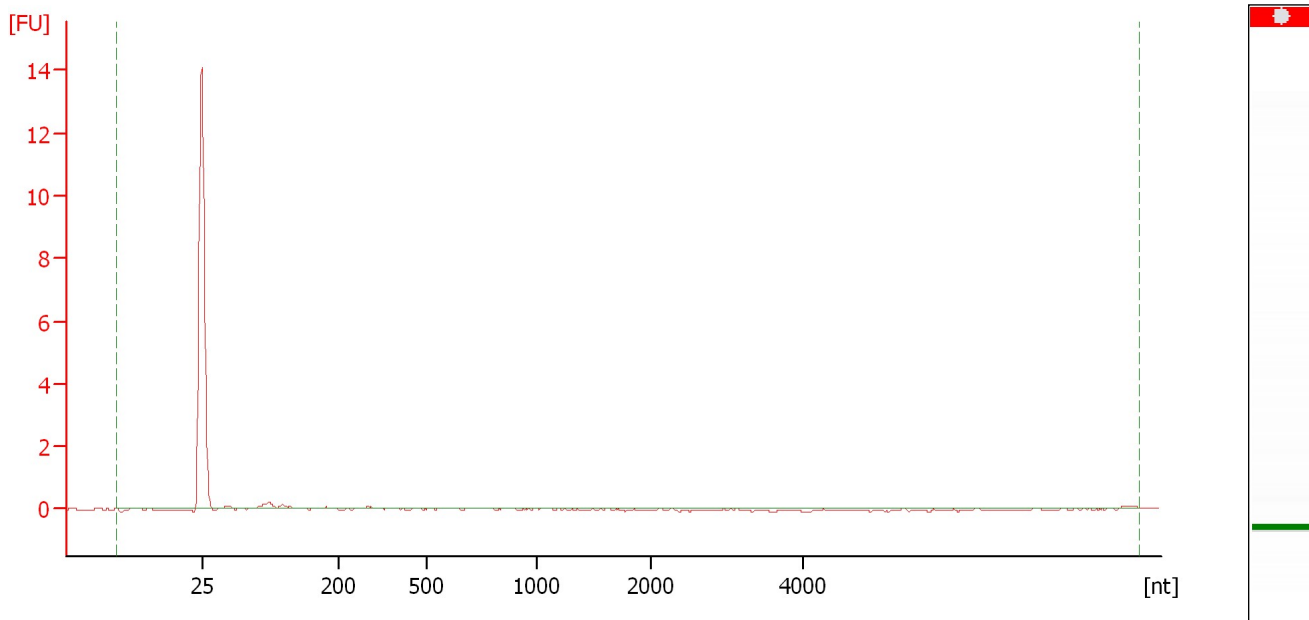
RNA Area:	0.6	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	0 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**

Sample 10



**Overall Results for sample 10 : Sample 10**

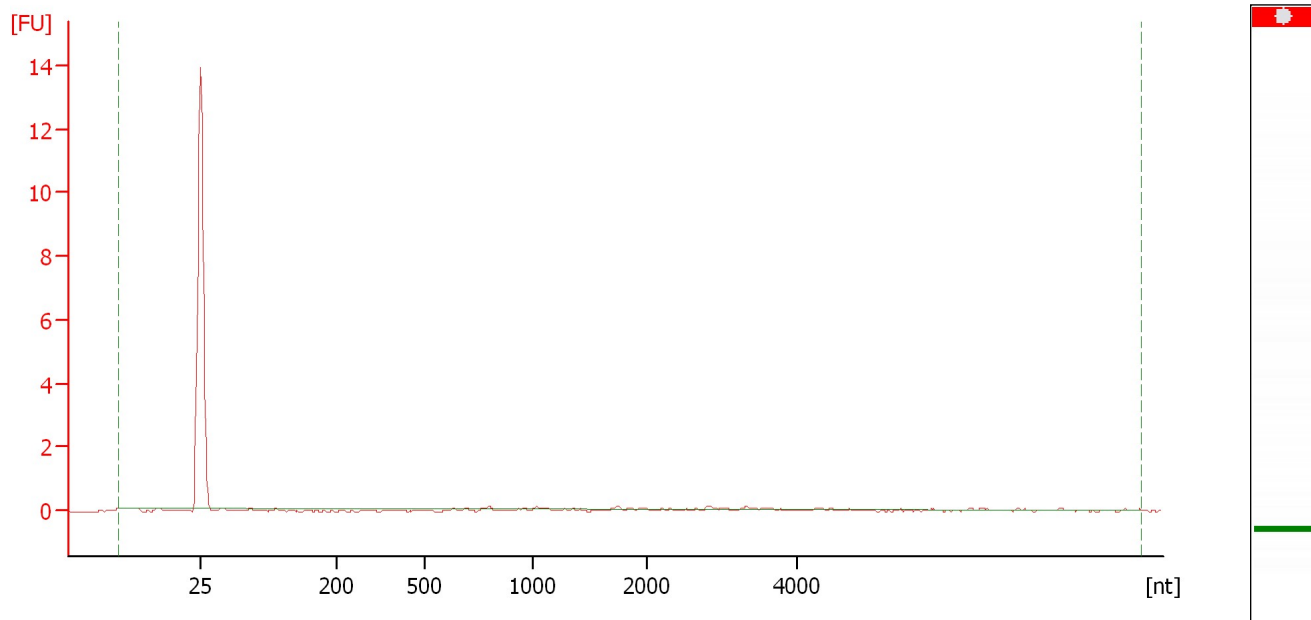
RNA Area:	0.6	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	0 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**

Sample 11



**Overall Results for sample 11 : Sample 11**

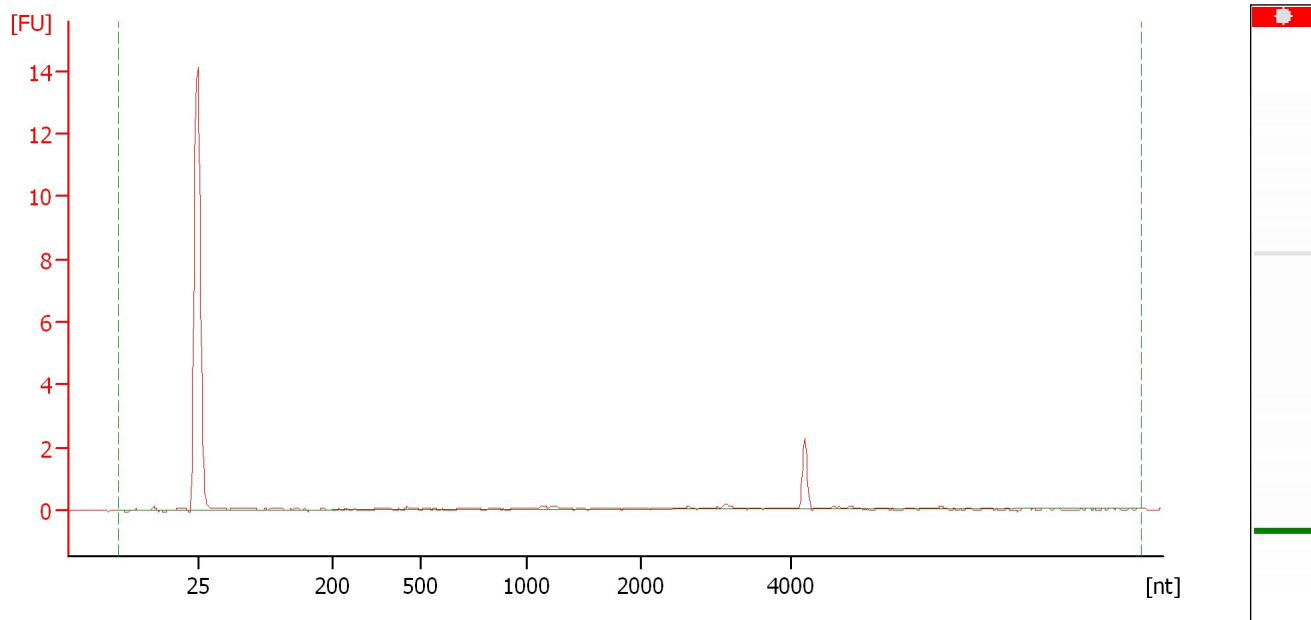
RNA Area:	0.4	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	0 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
 Modified: 6/9/2015 3:48:32 PM

**Electropherogram Summary Continued ...**

Sample 12



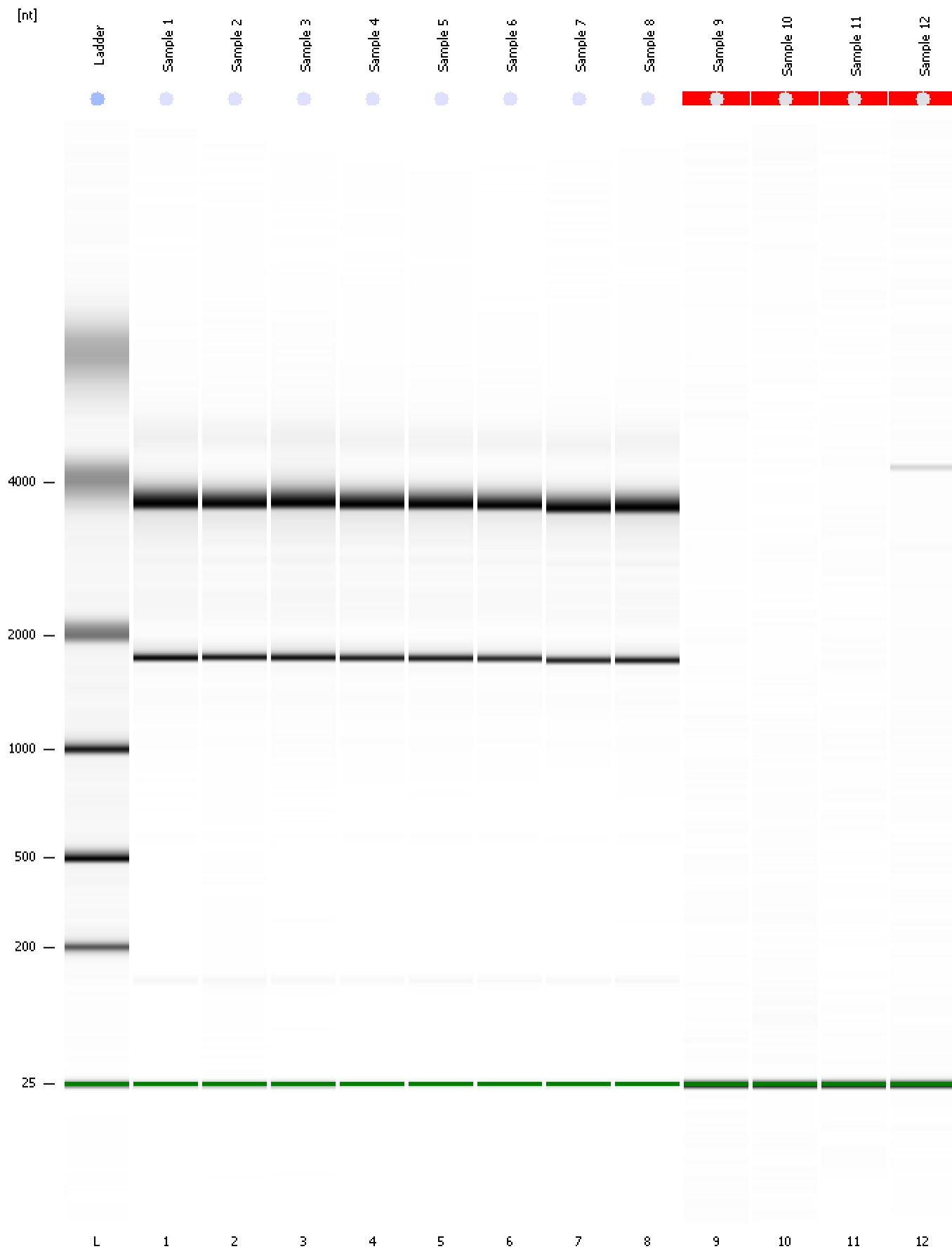
**Overall Results for sample 12 : Sample 12**

RNA Area:	3.9	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	3 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad

Created: 6/9/2015 3:24:38 PM  
Modified: 6/9/2015 3:48:32 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Nano Created: 6/9/2015 3:24:38 PM  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE72902096\_2015-06-09\_15-24-38.xad Modified: 6/9/2015 3:48:32 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		6/9/2015 3:48:25 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2015-06-09\2100 expert_Eukaryote Total RNA Nano_DE72902096_2015-06-09_15-24-38.xad )		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Product Number : G2939A		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Name :		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Vendor : Agilent Technologies		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Serial# : DE72902096		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Firmware : C.01.069		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER
Cartridge : Electrode		Instrument	Run		6/9/2015 3:24:44 PM	(GMT +09:00) Tokyo Standard Time	Administrator	BIOANALYZER