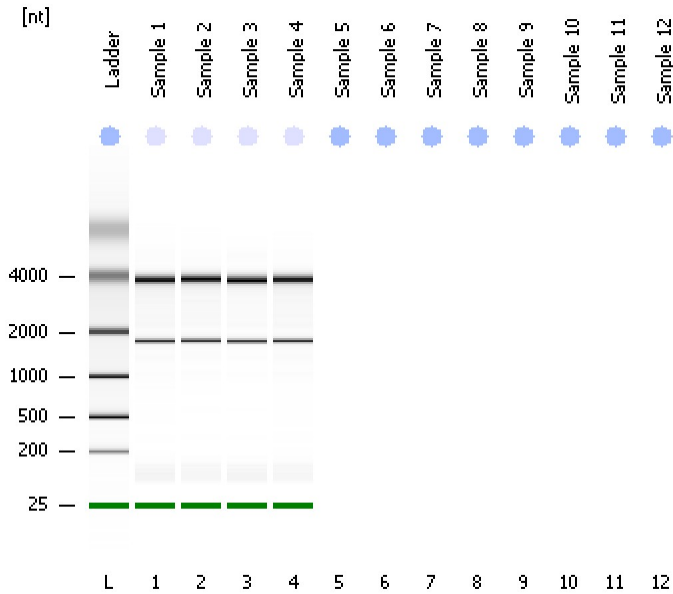


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

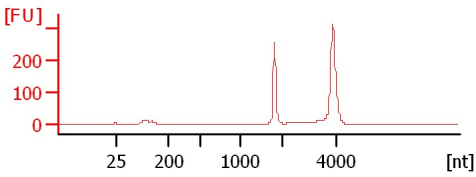
Assay Information:

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.

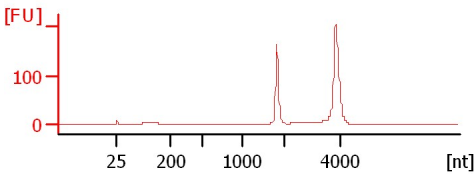
Chip Information:

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

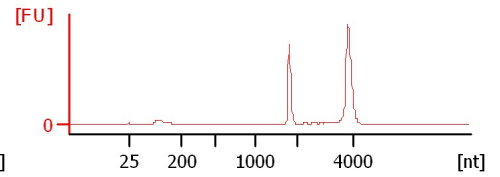
**Sample 1**  
RIN:10



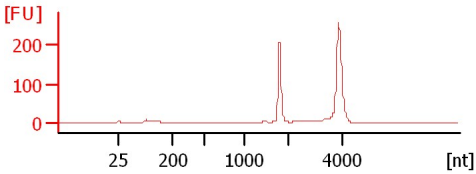
**Sample 2**  
RIN:10



**Sample 3**  
RIN:10



**Sample 4**  
RIN:10



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
 Modified: 9/23/2013 3:37:22 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:10	
Sample 2		✓	RIN:10	
Sample 3		✓	RIN:10	
Sample 4		✓	RIN:10	
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\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 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

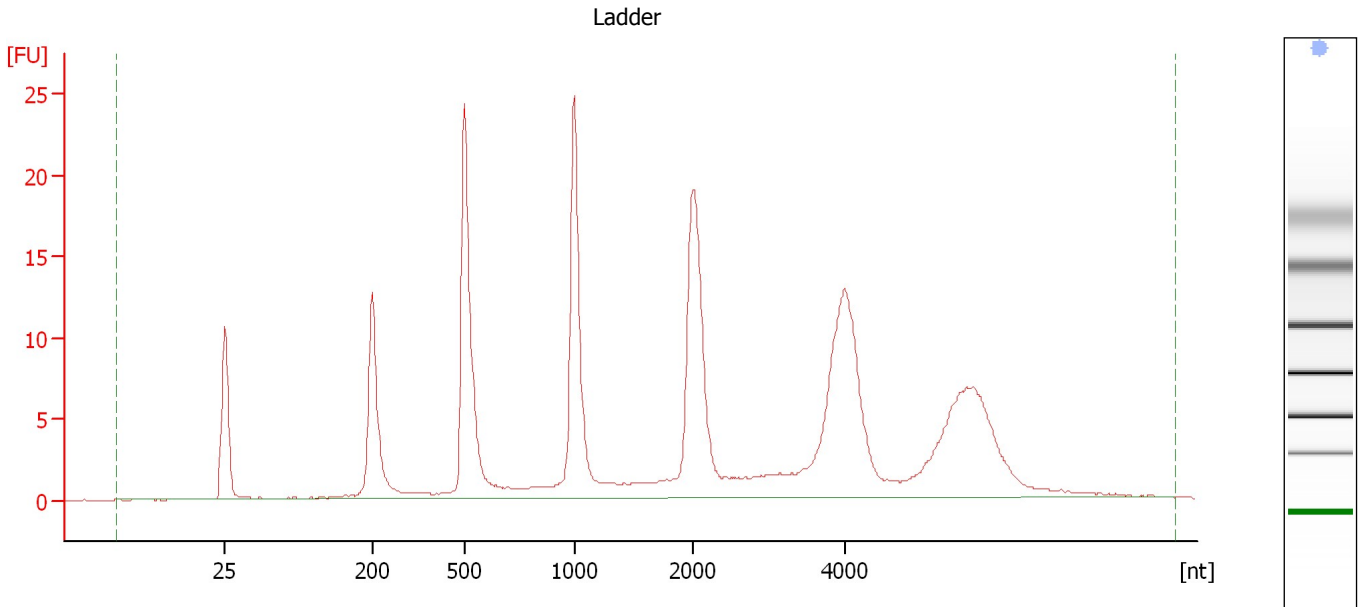
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Electropherogram Summary**



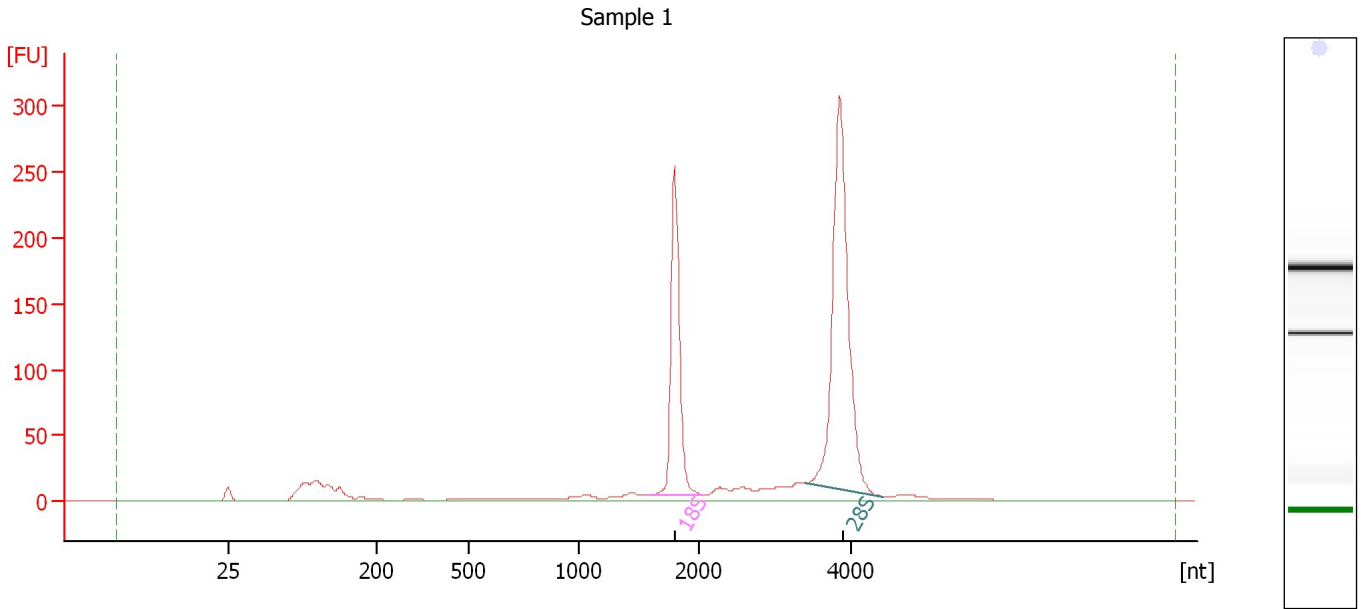
**Overall Results for Ladder**

RNA Area:	233.9	Result Flagging Color:	<span style="background-color: #6699ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
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**Electropherogram Summary Continued ...**



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

RNA Area: 1,067.1      RNA Integrity Number (RIN): 10 (B.02.08)  
RNA Concentration: 684 ng/μl      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.9      Result Flagging Label: RIN:10

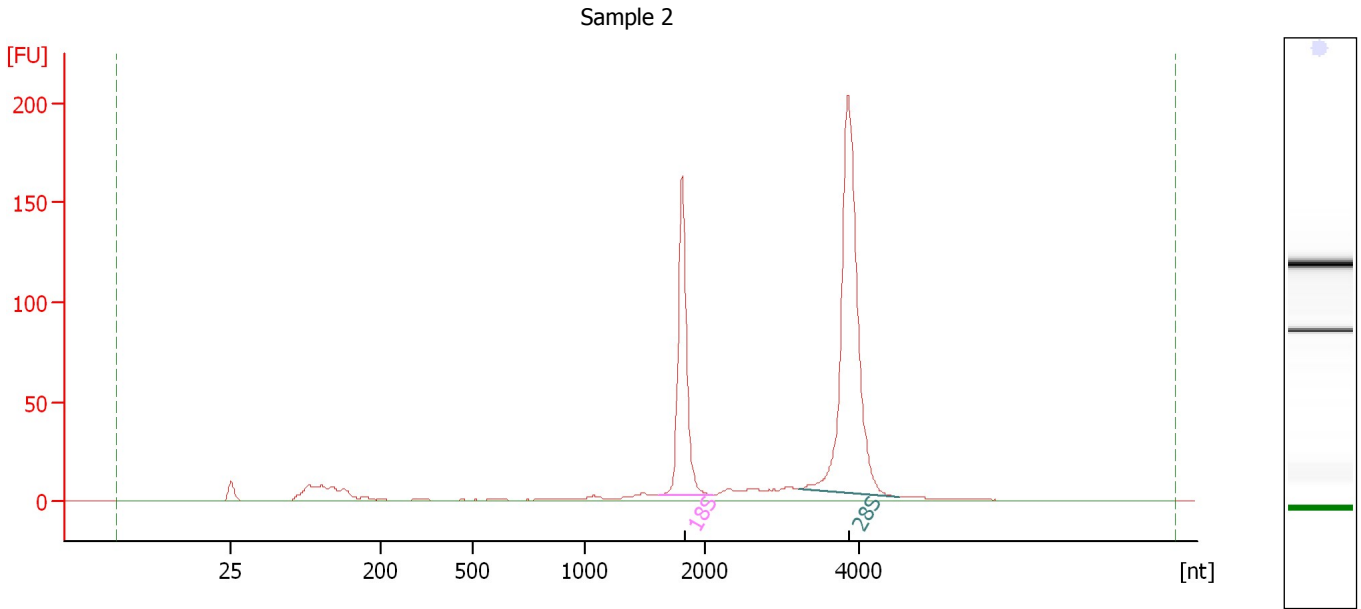
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	2,060	245.3	23.0
28S	3,390	4,398	462.4	43.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Electropherogram Summary Continued ...**



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

RNA Area: 680.8                      RNA Integrity Number (RIN): 10 (B.02.08)  
RNA Concentration: 437 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.0                      Result Flagging Label: RIN:10

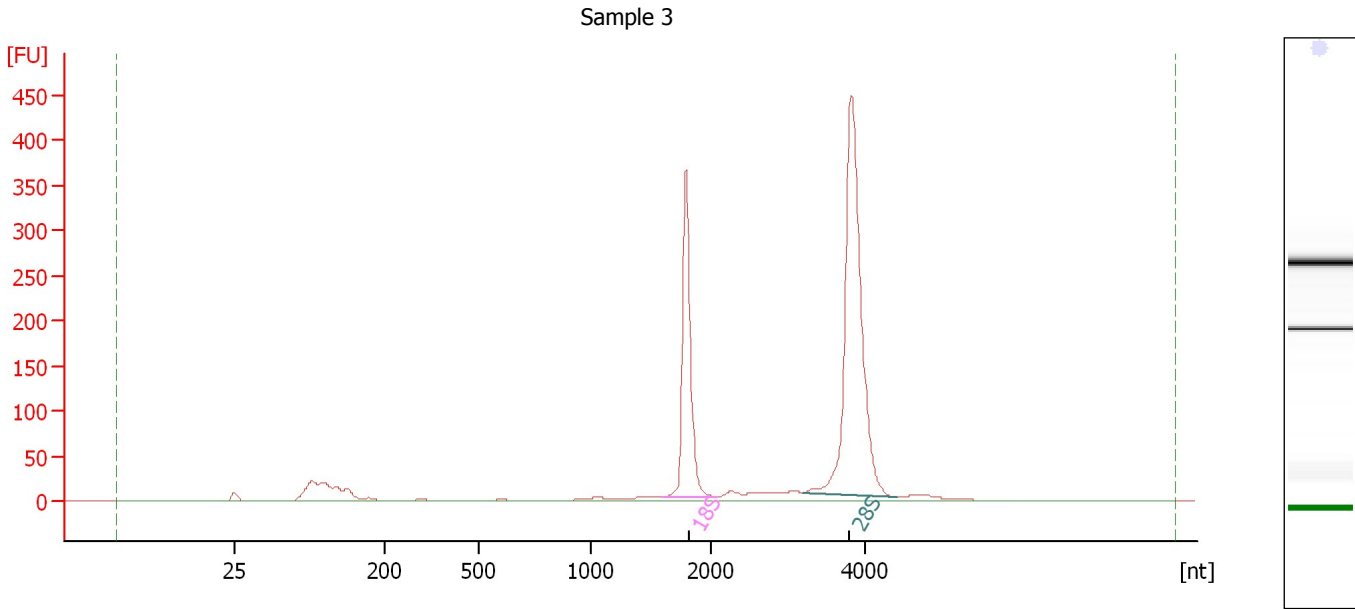
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	2,106	162.3	23.8
28S	3,219	4,527	321.3	47.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,421.4	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	912 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]:	2.0	Result Flagging Label:	RIN:10

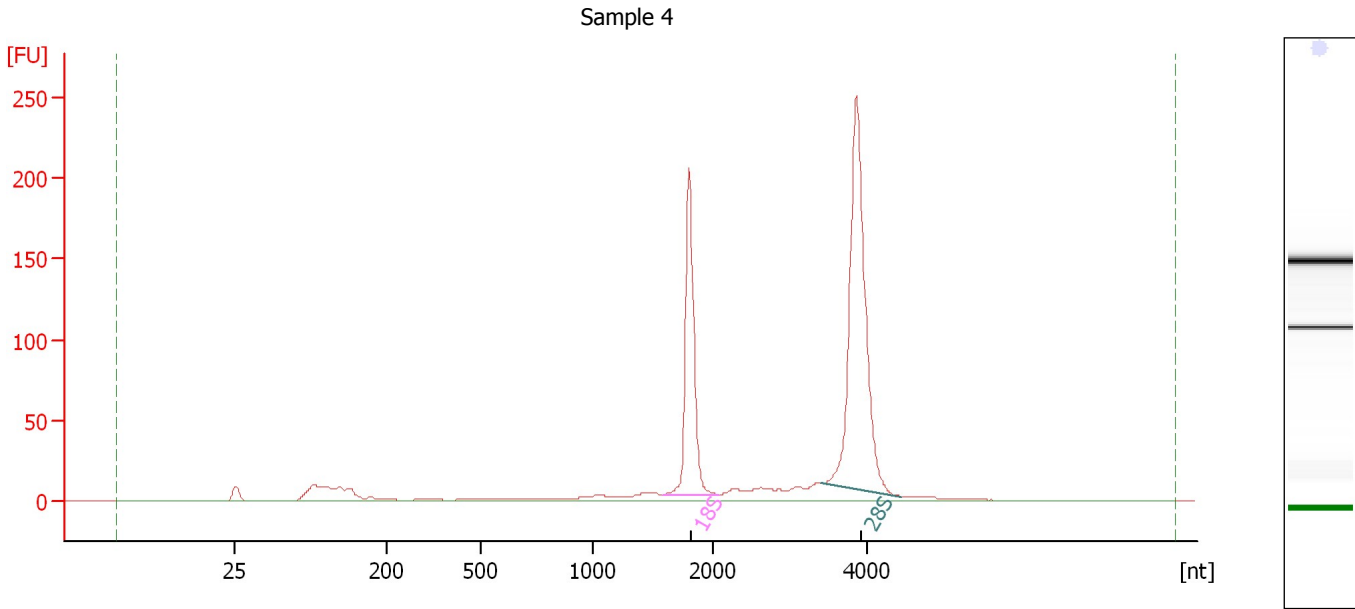
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	2,068	348.9	24.5
28S	3,189	4,406	698.3	49.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	847.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	544 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]:	1.9	Result Flagging Label:	RIN:10

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

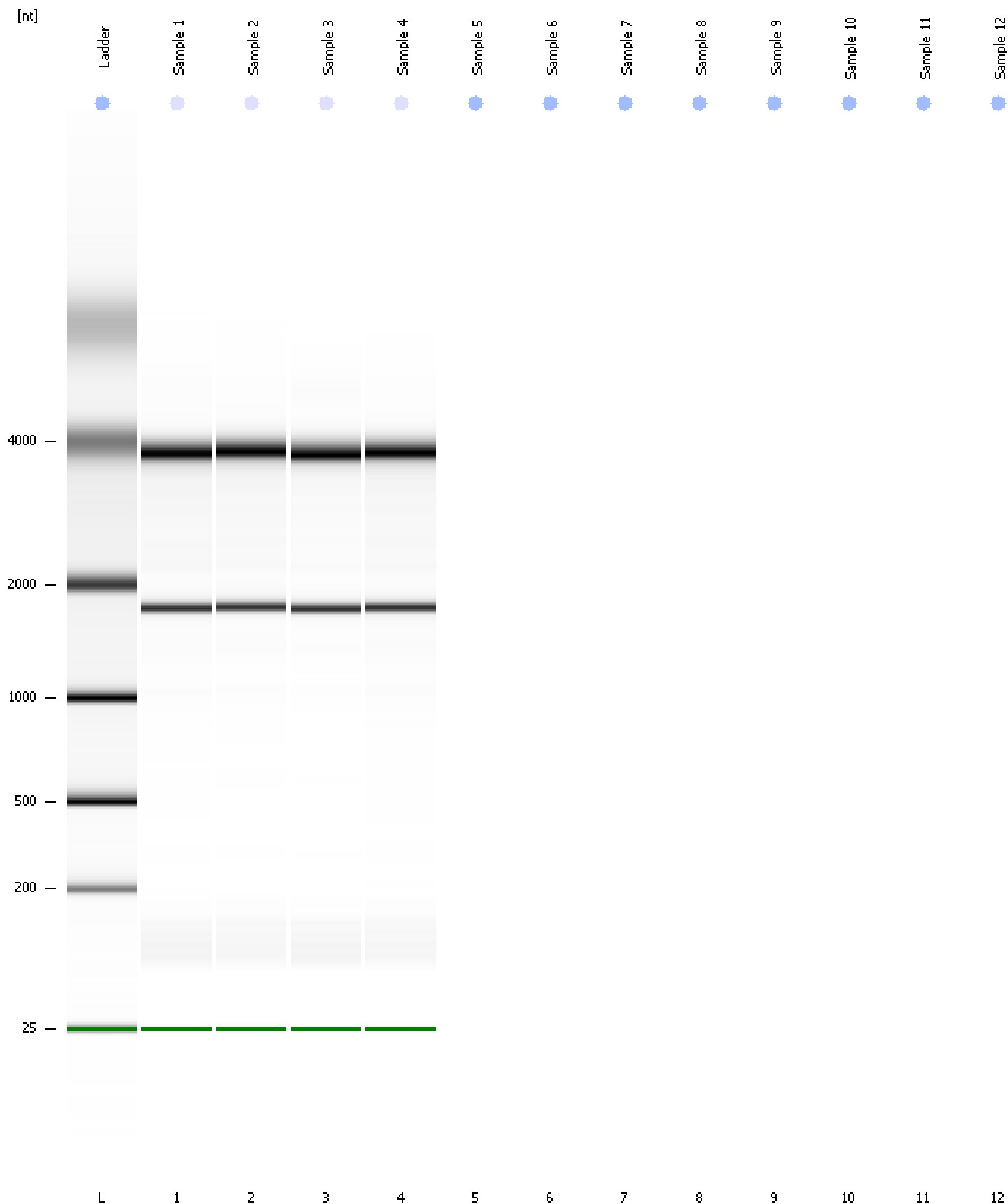
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	2,070	196.0	23.1
28S	3,395	4,430	370.2	43.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-23\2013-09-23\_002.xad

Created: 9/23/2013 3:24:28 PM  
Modified: 9/23/2013 3:37:22 PM

**Invalid Samples**

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.