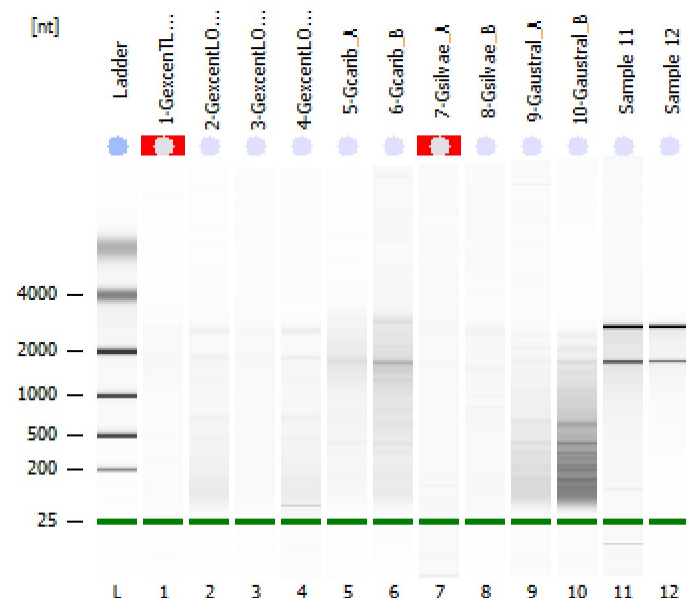


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

## Electrophoresis File Run Summary



### Instrument Information:

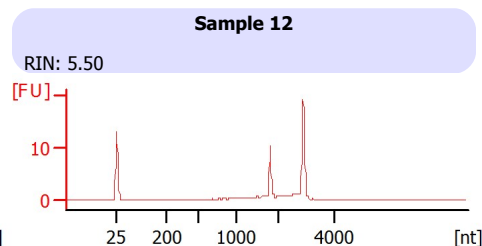
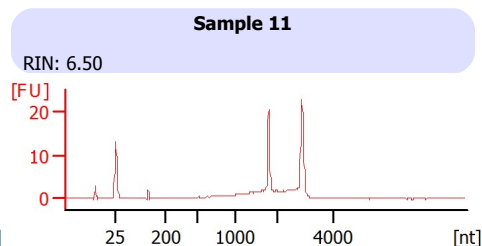
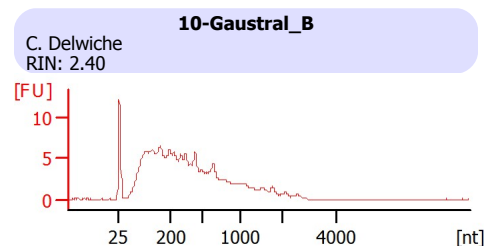
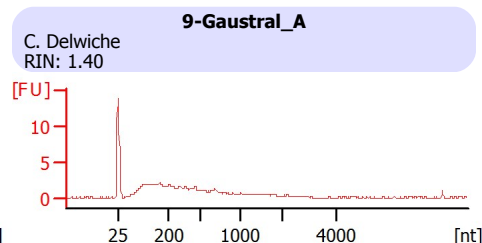
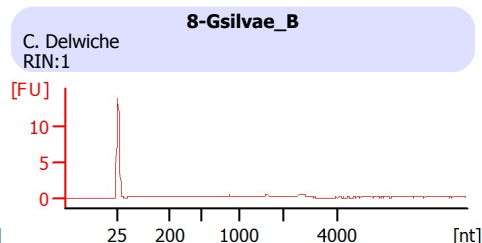
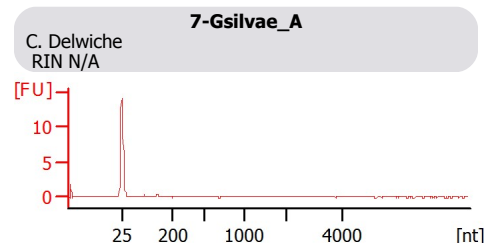
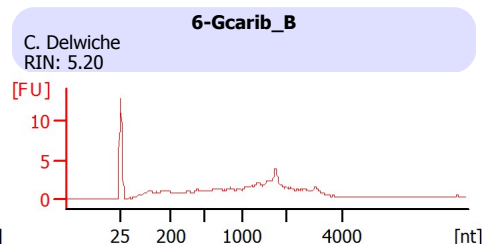
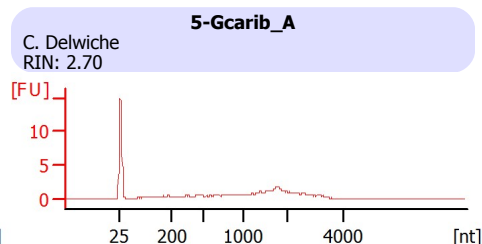
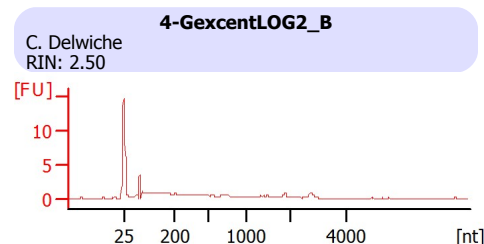
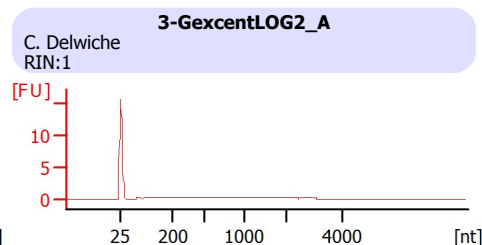
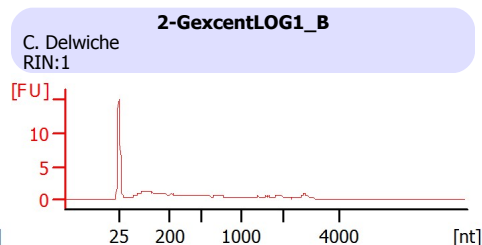
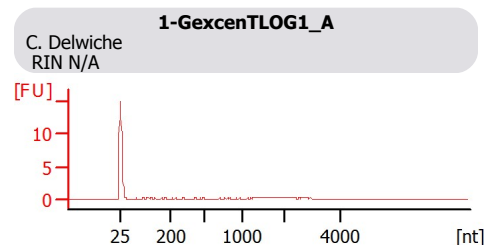
Instrument Name:   
Serial#: DE24802100   
Firmware: C.01.069   
Type: G2938B

### Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1-GexcentLOG1_A	C. Delwiche	✓	RIN N/A	
2-GexcentLOG1_B	C. Delwiche	✓	RIN:1	
3-GexcentLOG2_A	C. Delwiche	✓	RIN:1	
4-GexcentLOG2_B	C. Delwiche	✓	RIN: 2.50	
5-Gcarib_A	C. Delwiche	✓	RIN: 2.70	
6-Gcarib_B	C. Delwiche	✓	RIN: 5.20	
7-Gsilvae_A	C. Delwiche	✓	RIN N/A	
8-Gsilvae_B	C. Delwiche	✓	RIN:1	
9-Gaustral_A	C. Delwiche	✓	RIN: 1.40	
10-Gaustral_B	C. Delwiche	✓	RIN: 2.40	
Sample 11		✓	RIN: 6.50	
Sample 12		✓	RIN: 5.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 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/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 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

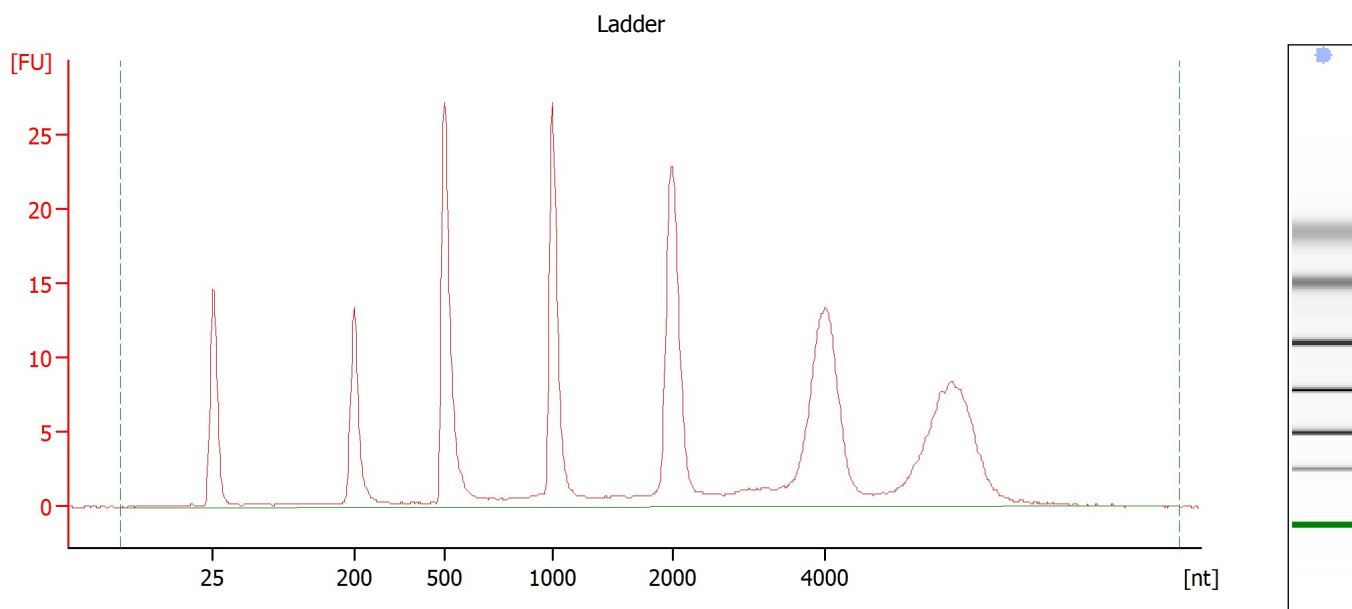
### Ladder

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\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 234.9

Result Flagging Color:



RNA Concentration: 150 ng/μl

Result Flagging Label:

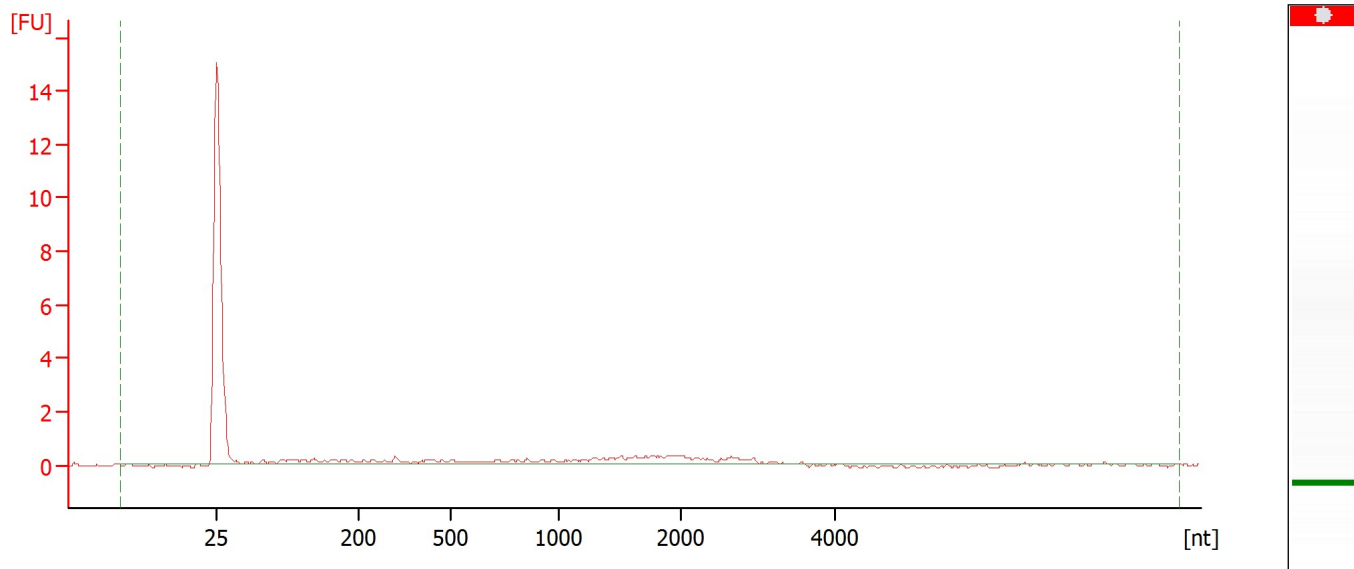
All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

1-GexcenTLOG1\_A [ C. Delwiche ]

**Overall Results for sample 1 : 1-GexcenTLOG1\_A**

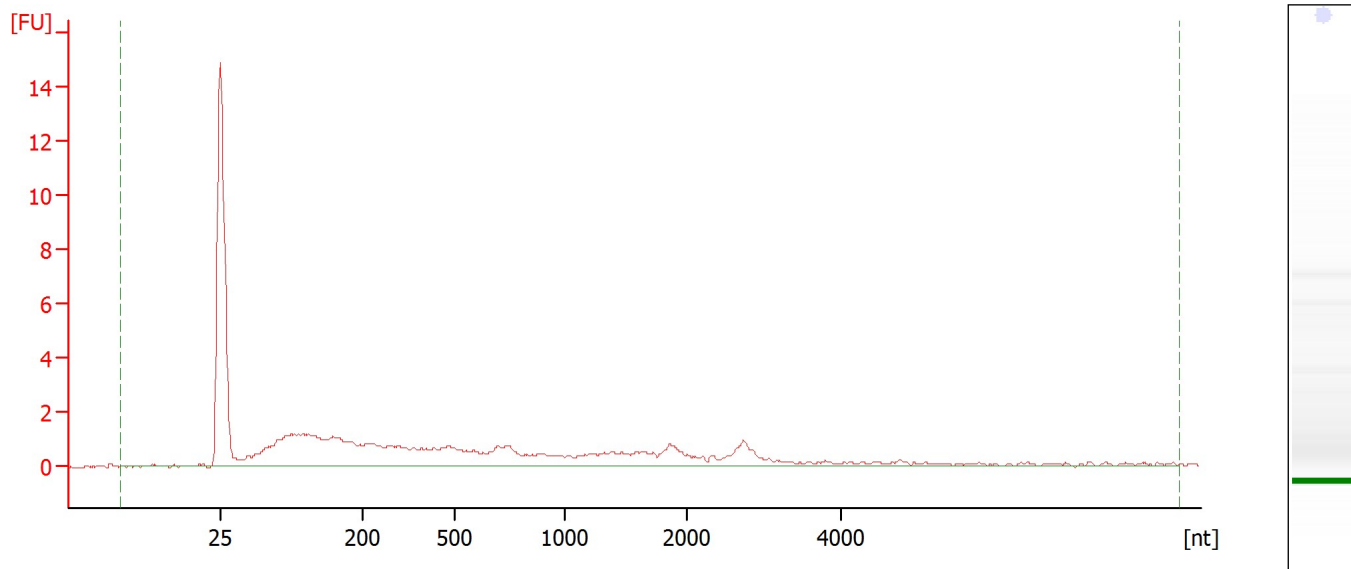
RNA Area:	8.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

2-GexcentLOG1\_B [ C. Delwiche ]

**Overall Results for sample 2 : 2-GexcentLOG1\_B**

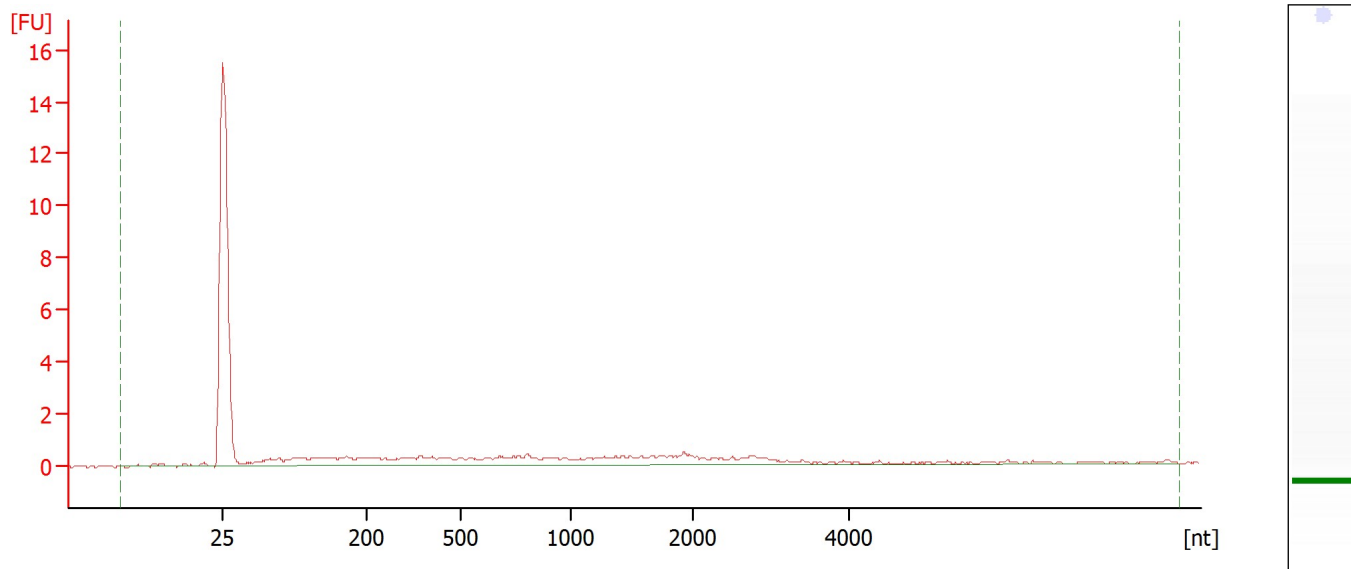
RNA Area:	47.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	30 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

3-GexcentLOG2\_A [ C. Delwiche ]

**Overall Results for sample 3 : 3-GexcentLOG2\_A**

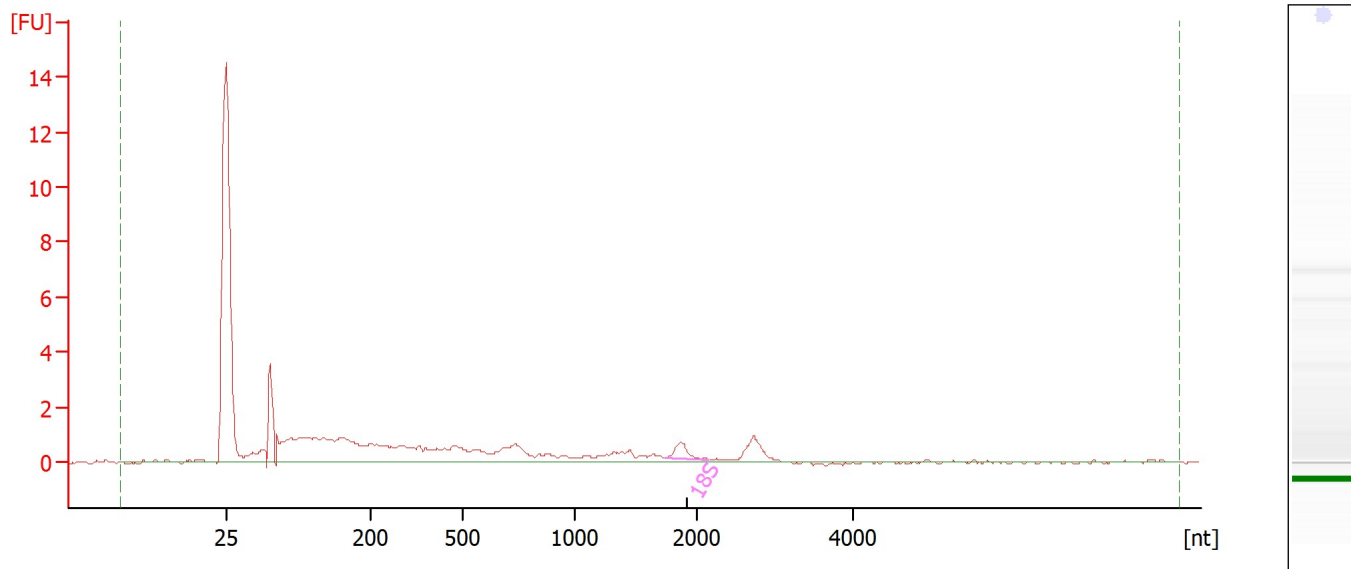
RNA Area:	18.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

4-GexcentLOG2\_B [ C. Delwiche ]

**Overall Results for sample 4 : 4-GexcentLOG2\_B**

RNA Area:	32.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	21 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

**Fragment table for sample 4 : 4-GexcentLOG2\_B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,165	0.9	2.8

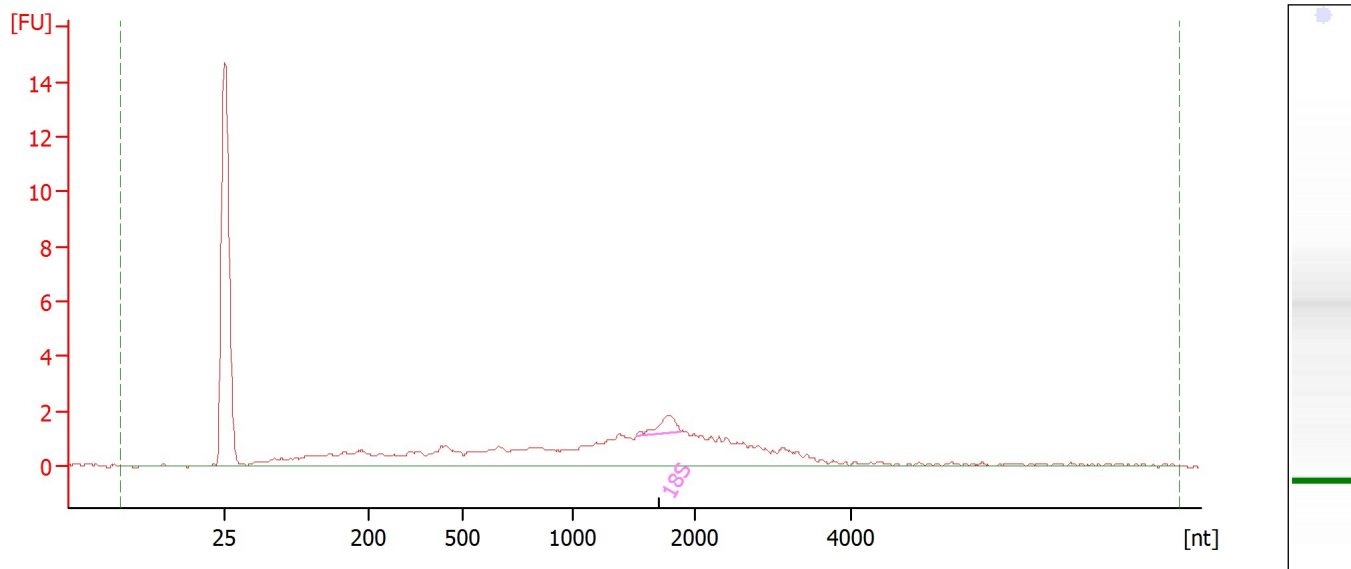


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

5-Gcarib\_A [ C. Delwiche ]

**Overall Results for sample 5 : 5-Gcarib\_A**

RNA Area:	44.4	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	28 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

**Fragment table for sample 5 : 5-Gcarib\_A**

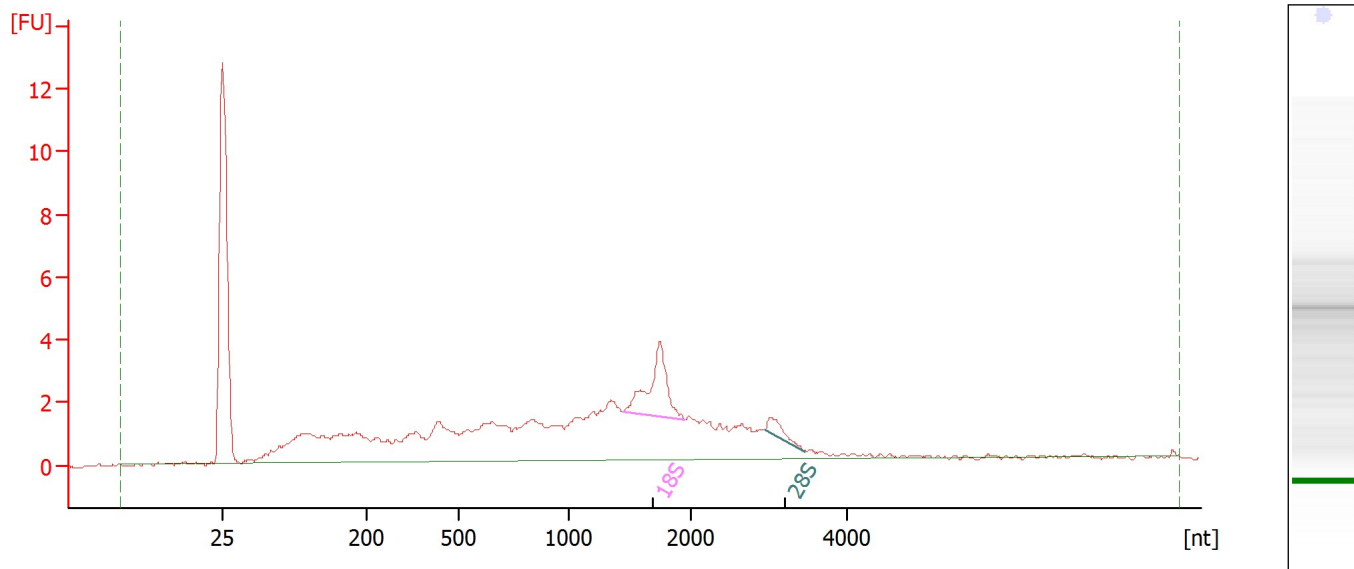
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,887	1.3	2.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

6-Gcarib\_B [ C. Delwiche ]

**Overall Results for sample 6 : 6-Gcarib\_B**

RNA Area:	75.4	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.20

**Fragment table for sample 6 : 6-Gcarib\_B**

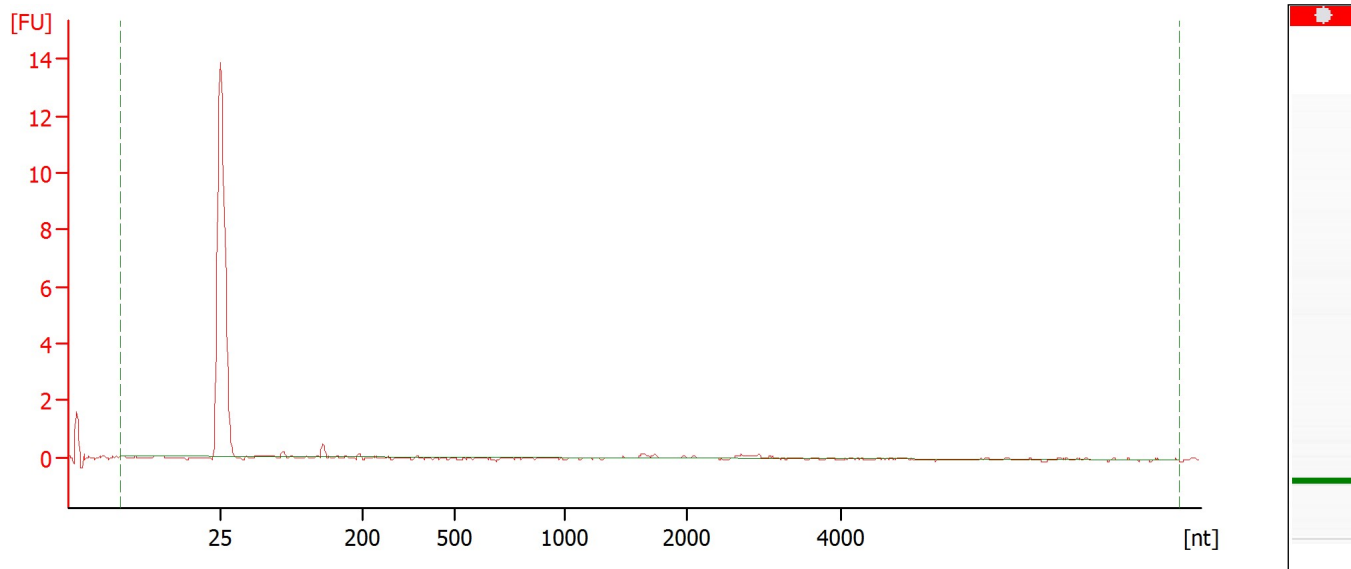
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,438	1,955	5.1	6.8
28S	2,945	3,466	1.0	1.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

7-Gsilvae\_A [ C. Delwiche ]

**Overall Results for sample 7 : 7-Gsilvae\_A**

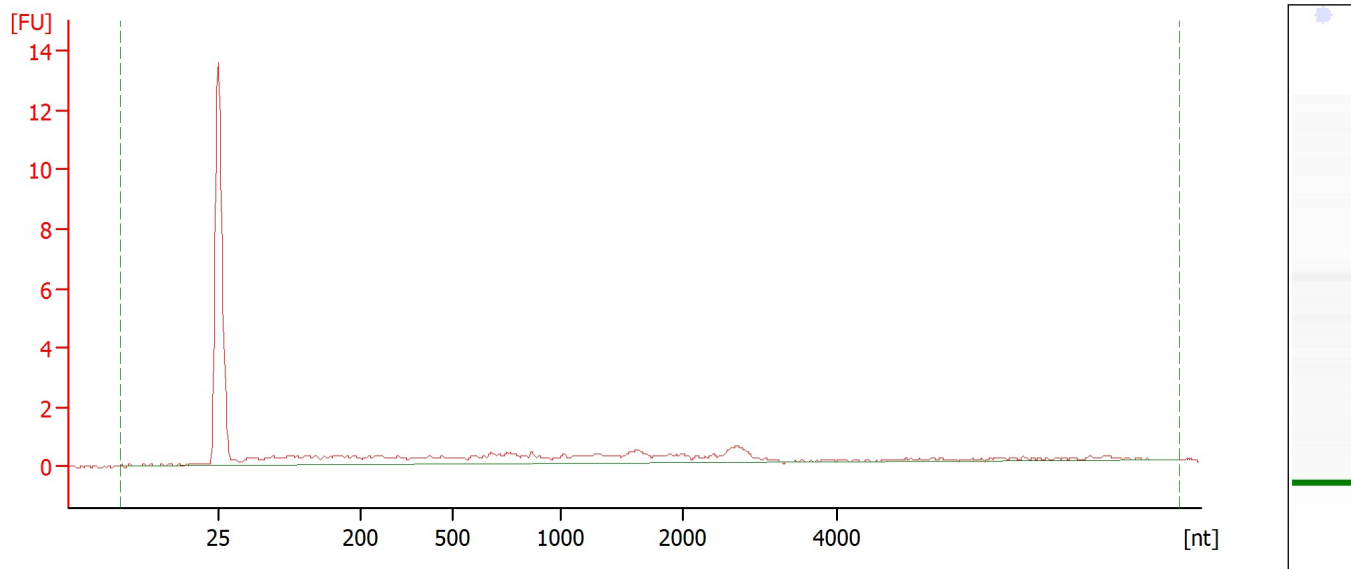
RNA Area:	2.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

8-Gsilvae\_B [ C. Delwiche ]

**Overall Results for sample 8 : 8-Gsilvae\_B**

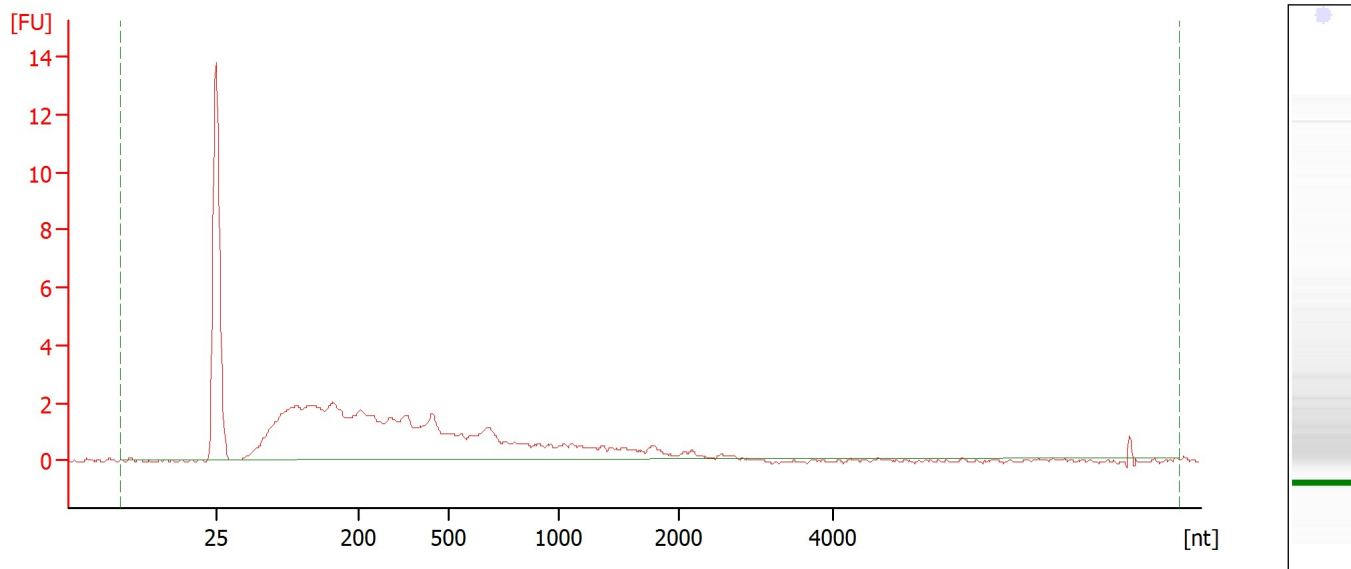
RNA Area:	18.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...**

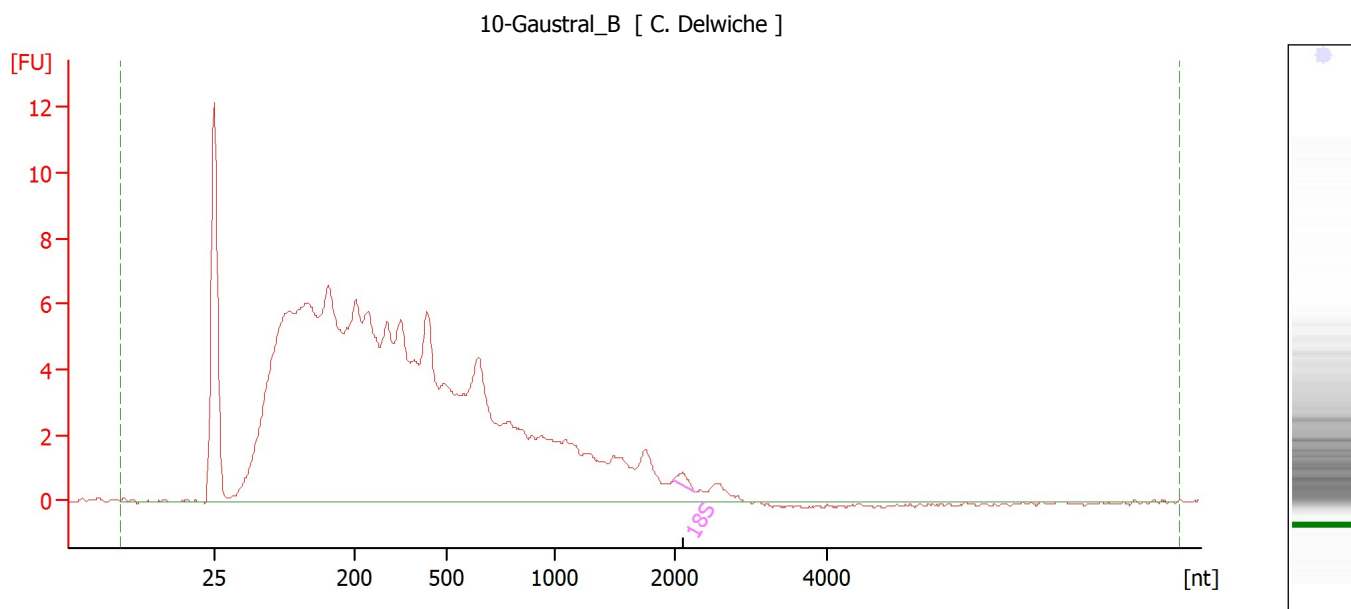
9-Gaustral\_A [ C. Delwiche ]

**Overall Results for sample 9 : 9-Gaustral\_A**

RNA Area:	60.7	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : 10-Gaustal\_B**

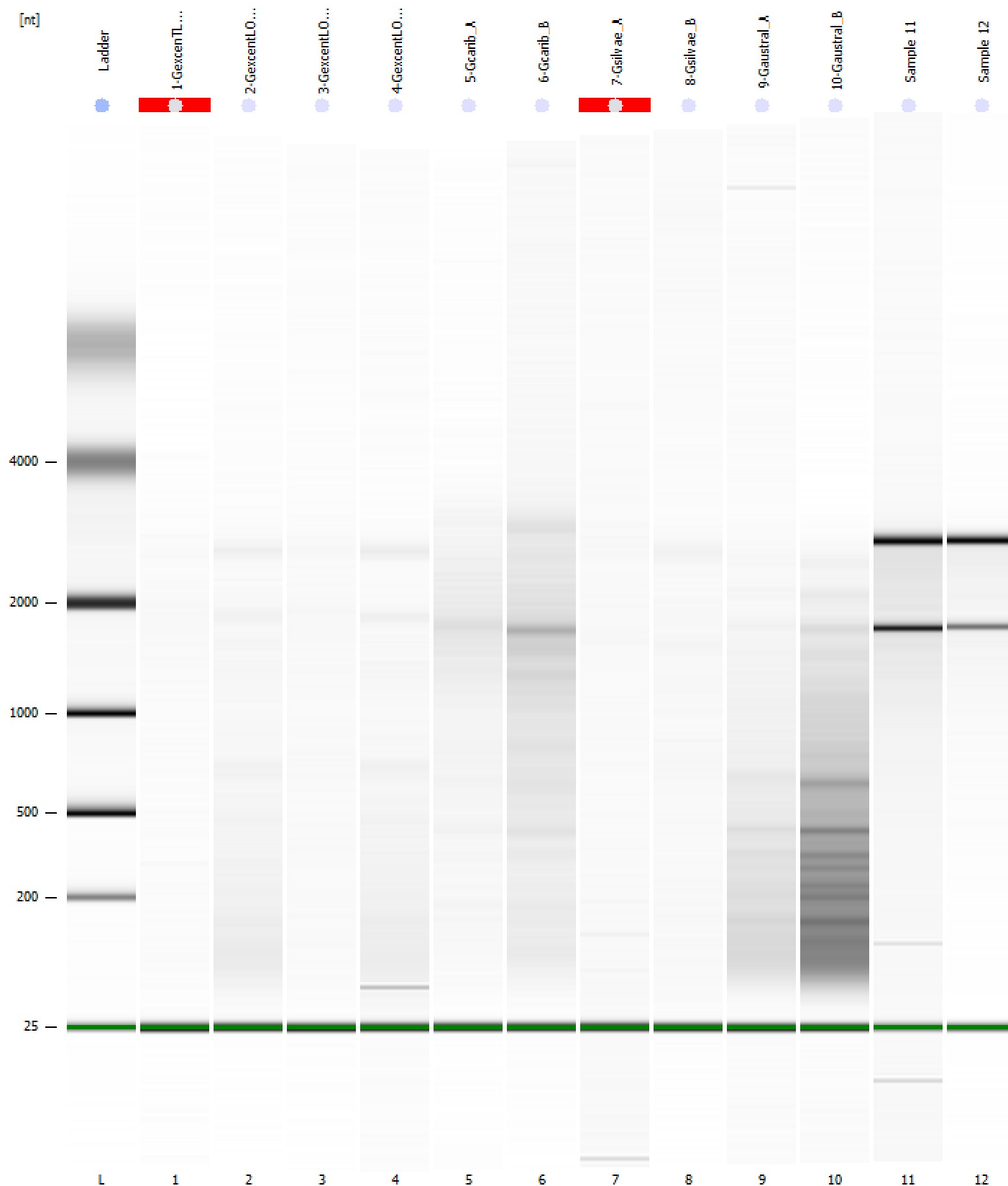
RNA Area:	209.1	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	134 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

**Fragment table for sample 10 : 10-Gaustal\_B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,991	2,266	0.4	0.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

**Gel Image**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-22\_15-18-52.xad

Created: 2/22/2017 3:18:51 PM  
Modified: 2/22/2017 4:35:04 PM

## Curves

### Standard Curve

