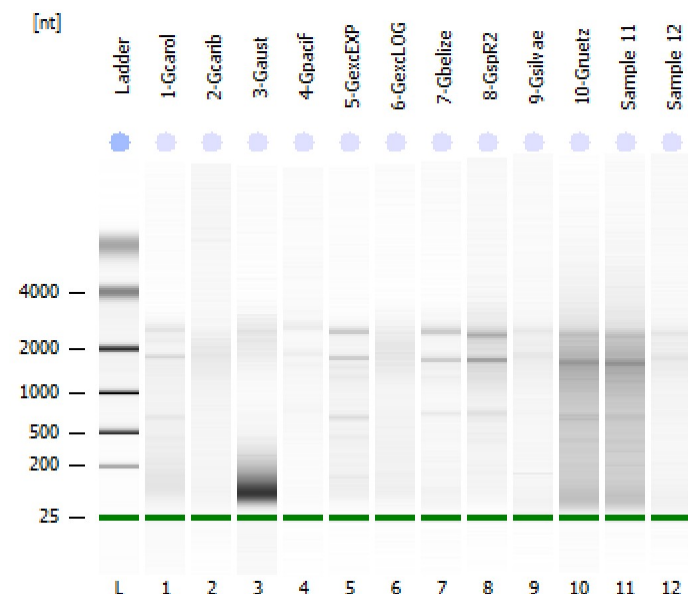


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE24802100  
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)

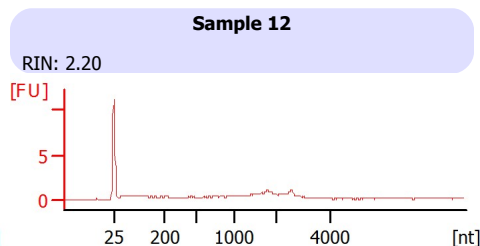
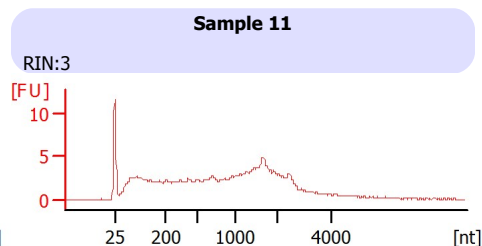
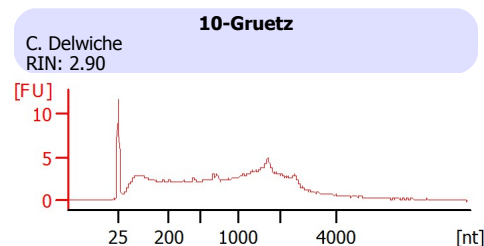
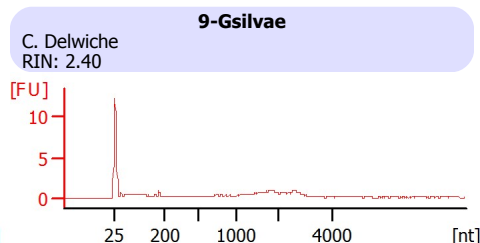
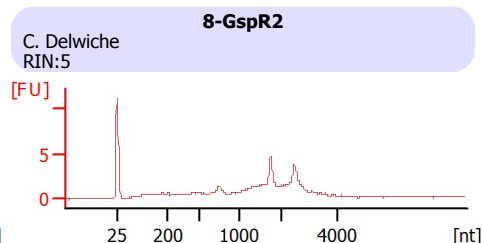
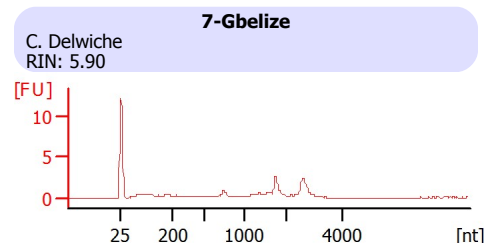
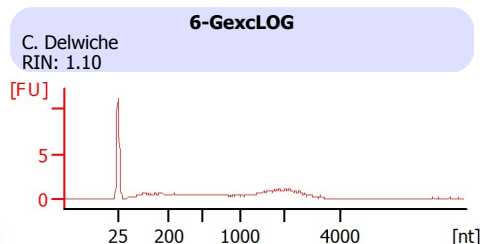
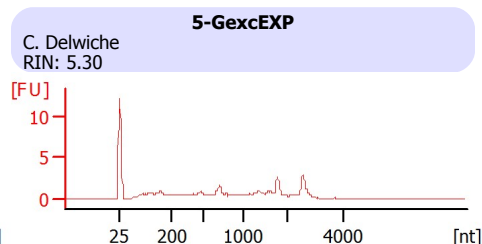
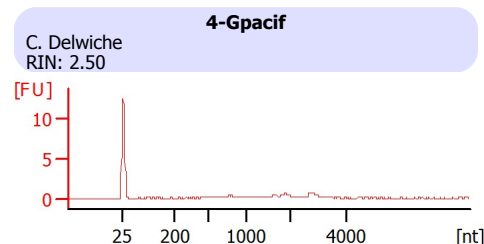
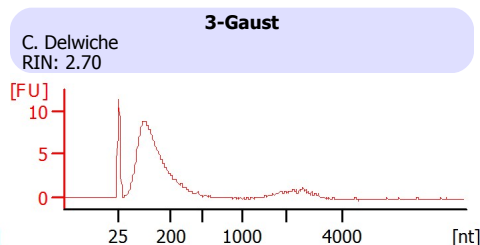
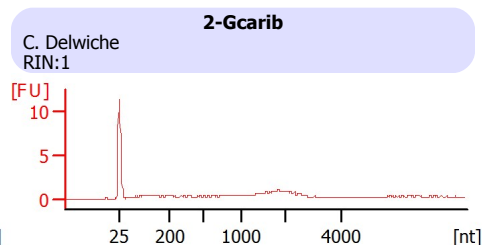
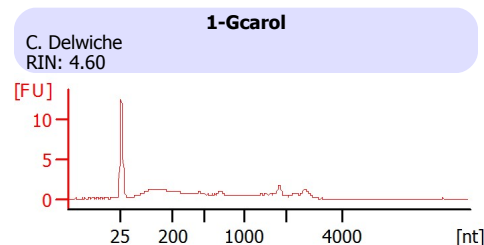
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1-Gcarol	C. Delwiche	✓	RIN: 4.60	
2-Gcarib	C. Delwiche	✓	RIN:1	
3-Gaust	C. Delwiche	✓	RIN: 2.70	
4-Gpacif	C. Delwiche	✓	RIN: 2.50	
5-GexcEXP	C. Delwiche	✓	RIN: 5.30	
6-GexcLOG	C. Delwiche	✓	RIN: 1.10	
7-Gbelize	C. Delwiche	✓	RIN: 5.90	
8-GspR2	C. Delwiche	✓	RIN:5	
9-Gsilvae	C. Delwiche	✓	RIN: 2.40	
10-Gruetz	C. Delwiche	✓	RIN: 2.90	
Sample 11		✓	RIN:3	
Sample 12		✓	RIN: 2.20	
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\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 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

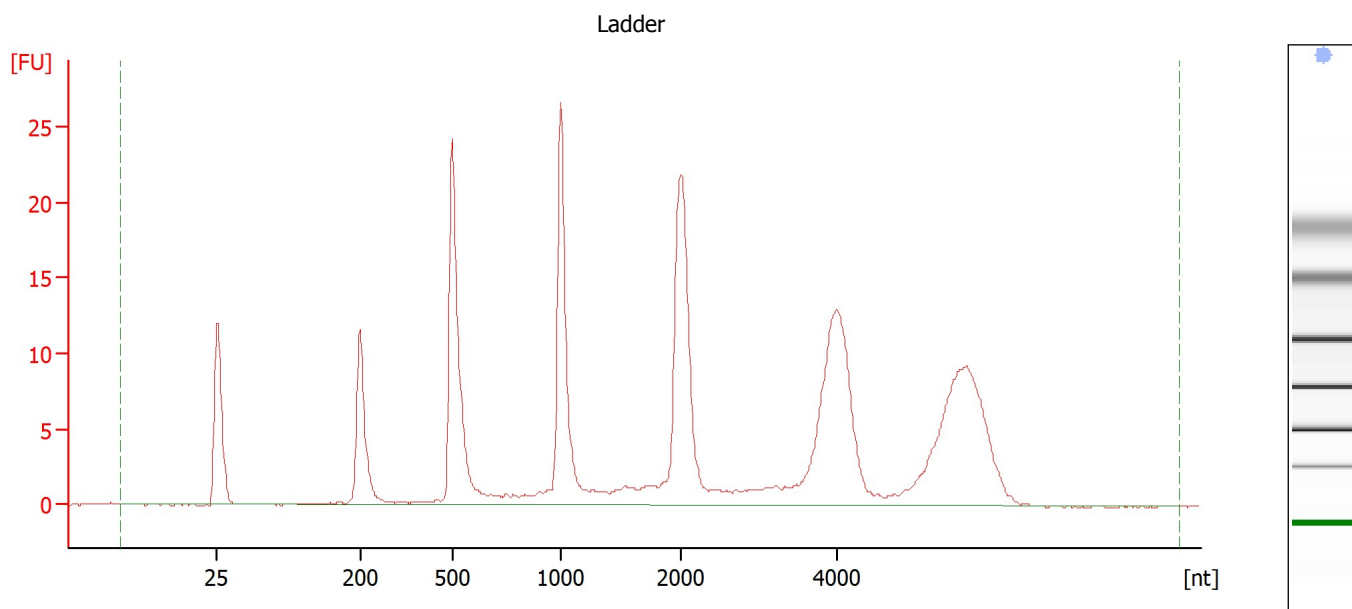
### Ladder

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\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 234.3

Result Flagging Color:



RNA Concentration: 150 ng/μl

Result Flagging Label:

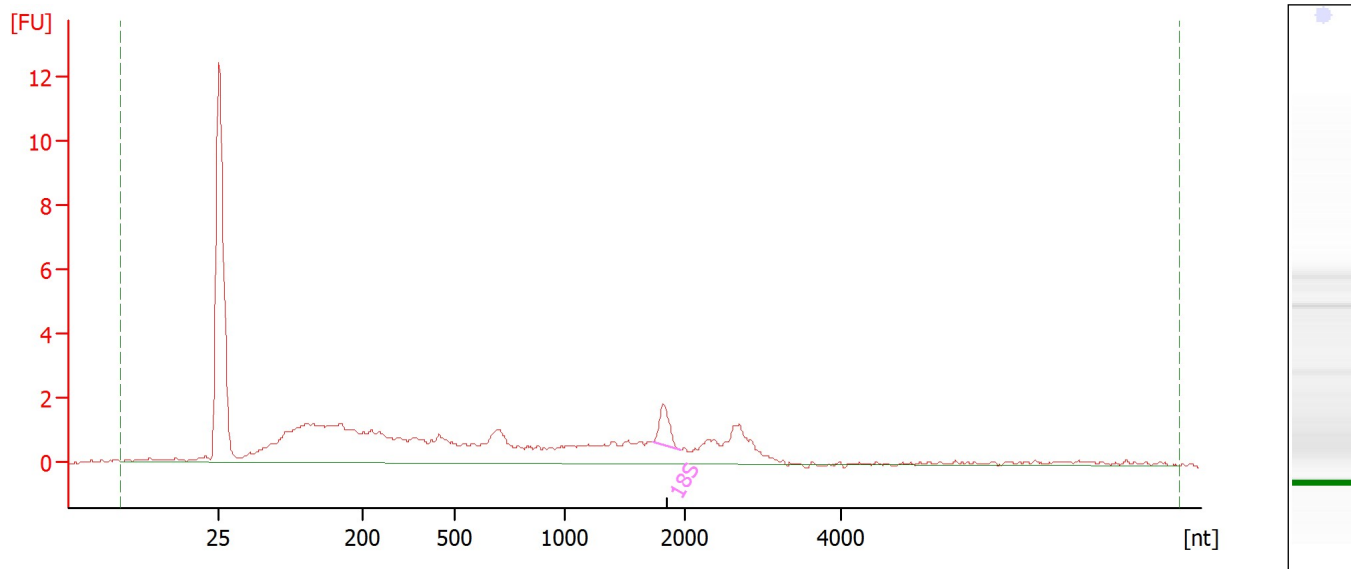
All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

1-Gcarol [ C. Delwiche ]

**Overall Results for sample 1 : 1-Gcarol**

RNA Area:	52.9	RNA Integrity Number (RIN):	4.6 (B.02.08)
RNA Concentration:	34 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: 4.60

**Fragment table for sample 1 : 1-Gcarol**

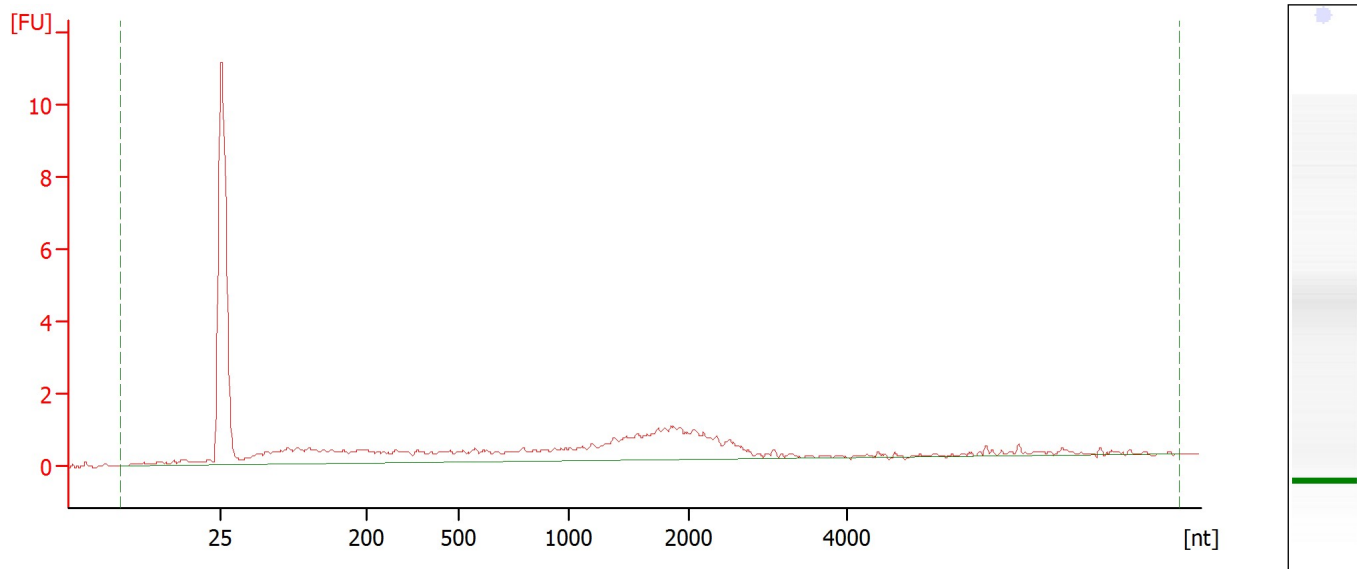
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	1,966	1.5	2.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

2-Gcarib [ C. Delwiche ]

**Overall Results for sample 2 : 2-Gcarib**

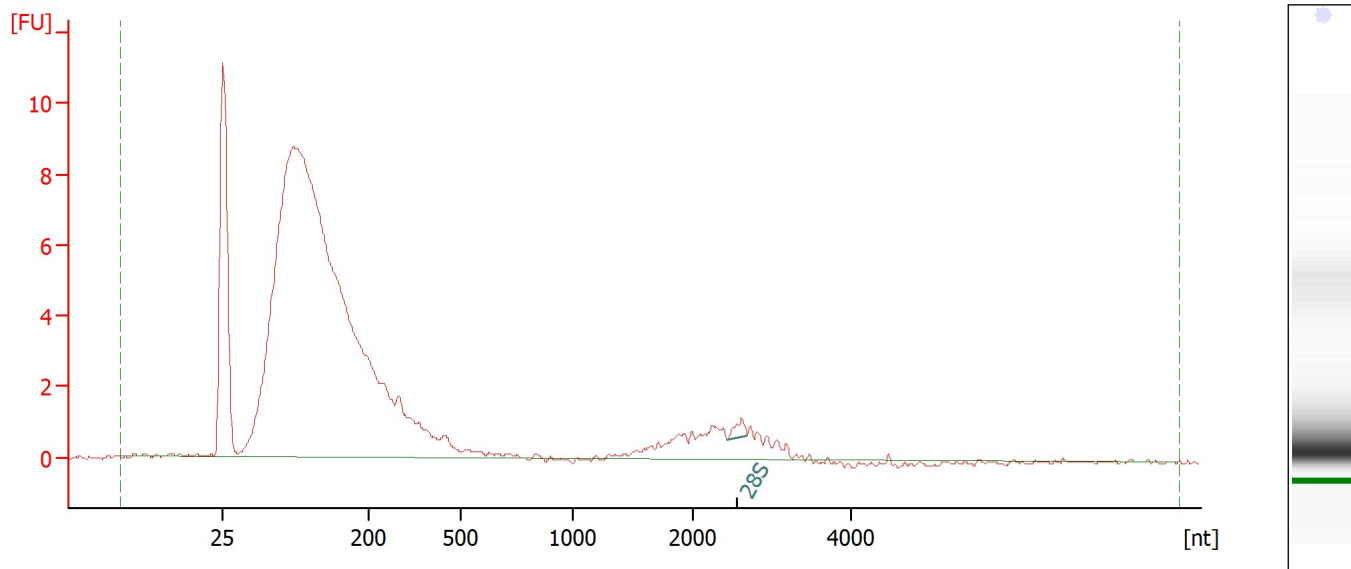
RNA Area:	29.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

3-Gaust [ C. Delwiche ]

**Overall Results for sample 3 : 3-Gaust**

RNA Area:	132.9	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	85 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

**Fragment table for sample 3 : 3-Gaust**

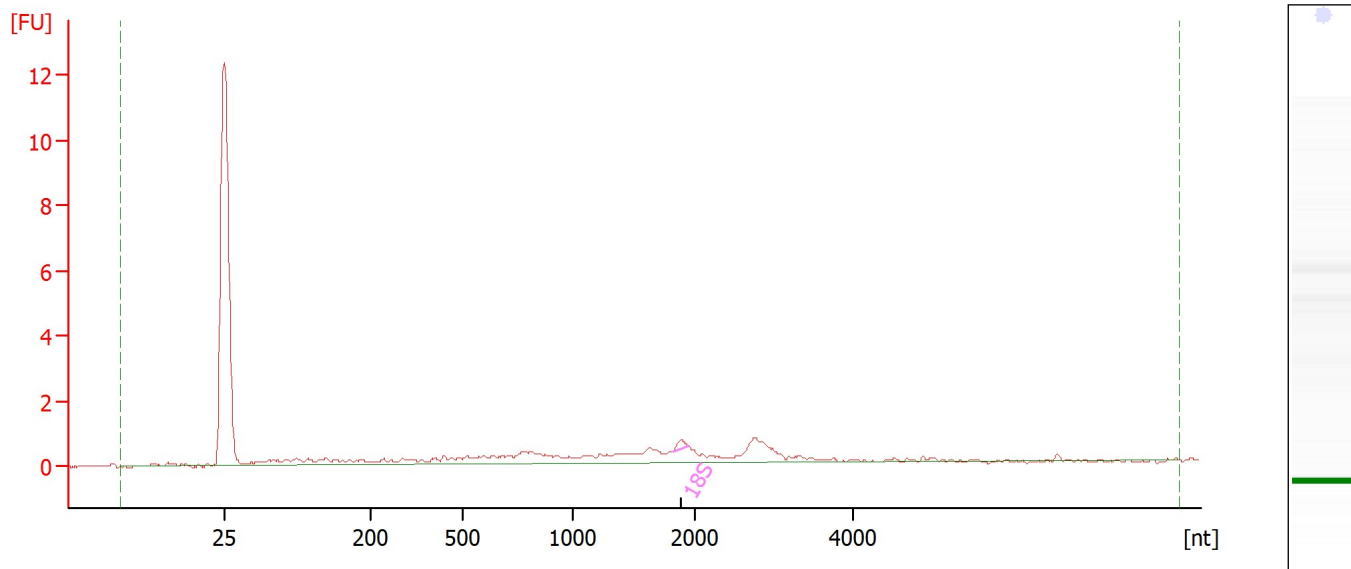
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,440	2,684	0.5	0.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

4-Gpacif [ C. Delwiche ]

**Overall Results for sample 4 : 4-Gpacif**

RNA Area:	17.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	11 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: 2.50

**Fragment table for sample 4 : 4-Gpacif**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,821	1,944	0.2	1.3

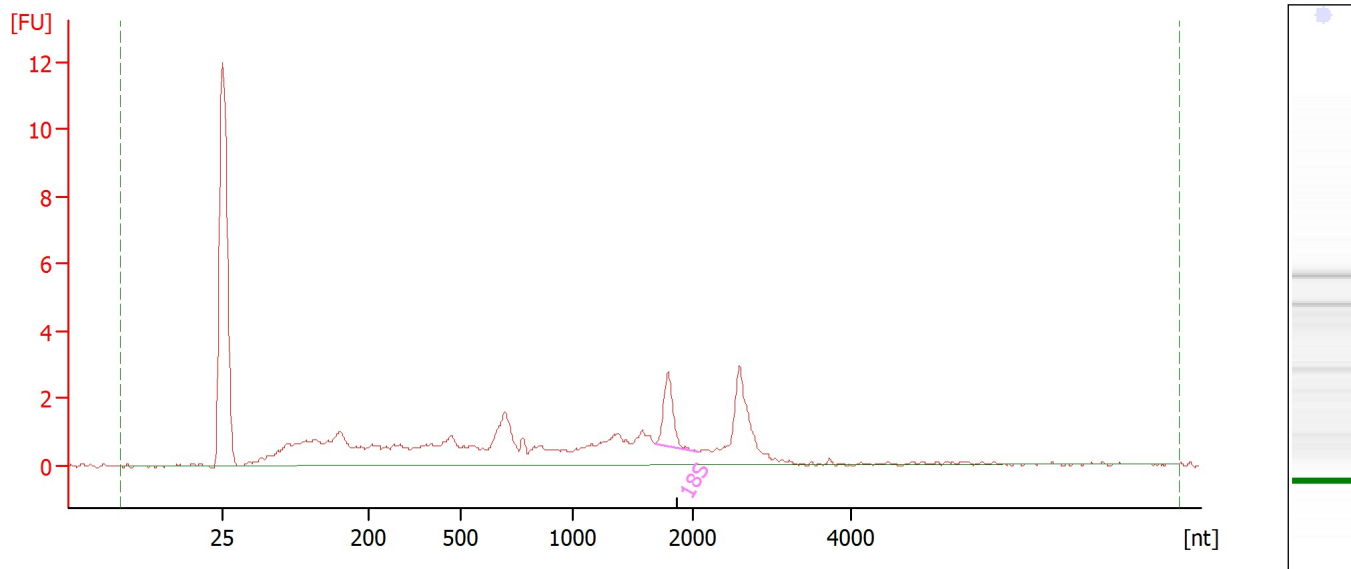


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

5-GexcEXP [ C. Delwiche ]

**Overall Results for sample 5 : 5-GexcEXP**

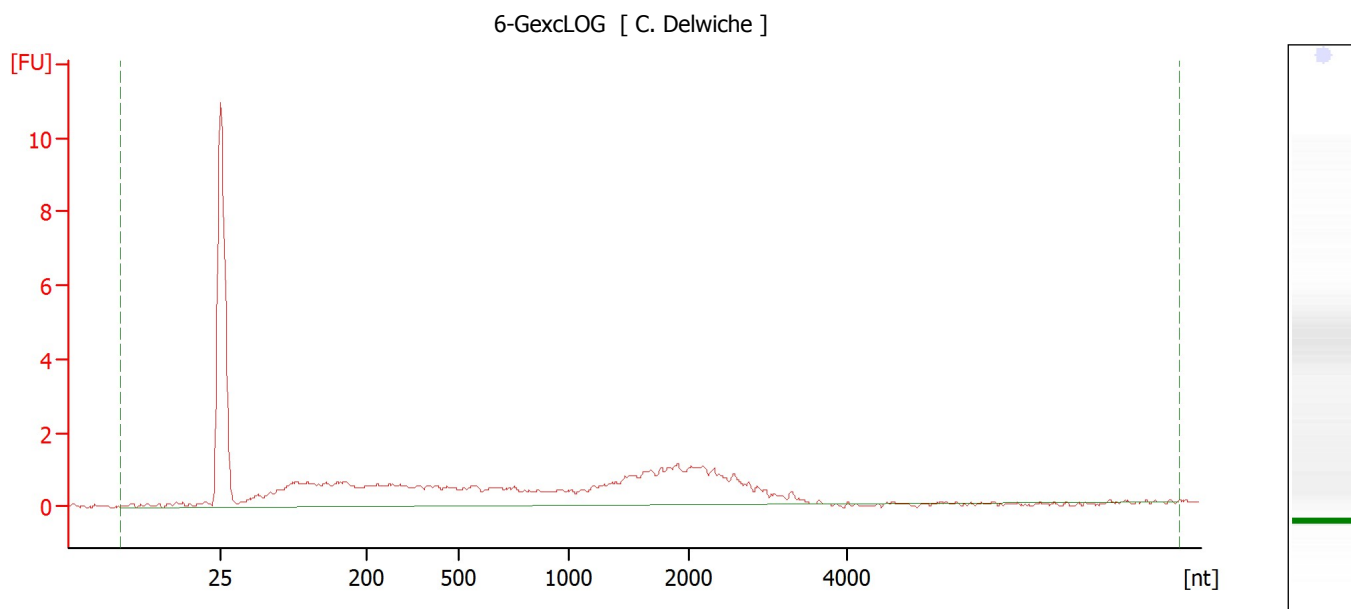
RNA Area:	46.3	RNA Integrity Number (RIN):	5.3 (B.02.08)
RNA Concentration:	30 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

**Fragment table for sample 5 : 5-GexcEXP**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,061	2.5	5.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 6-GexcLOG**

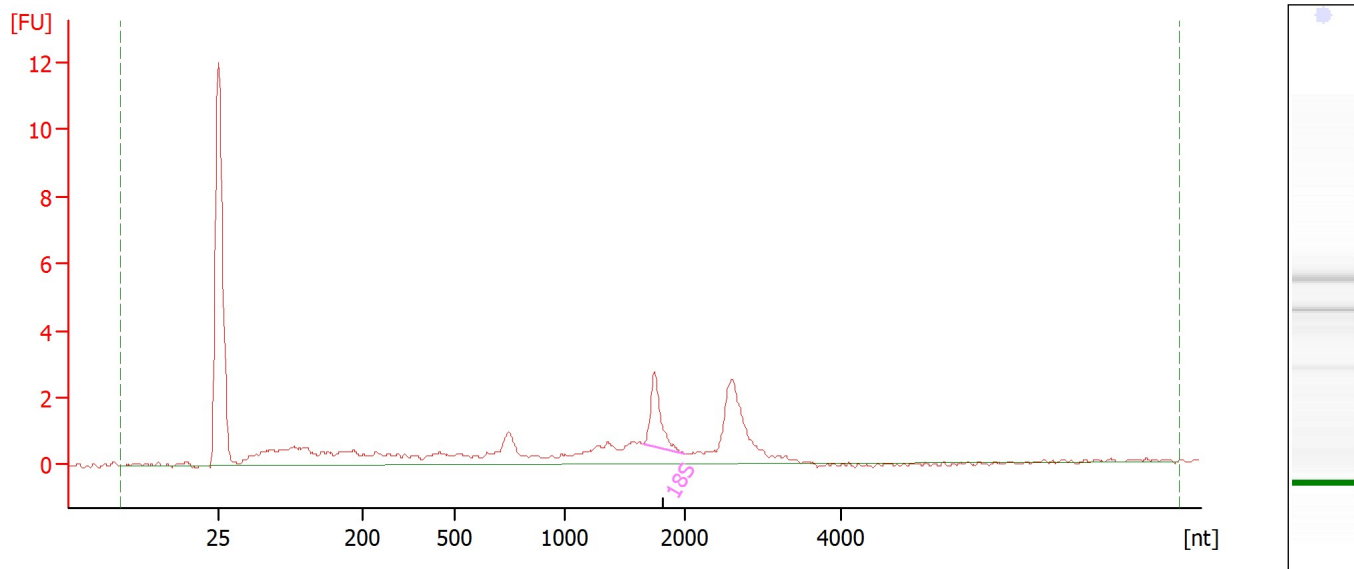
RNA Area:	38.4	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	25 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

7-Gbelize [ C. Delwiche ]

**Overall Results for sample 7 : 7-Gbelize**

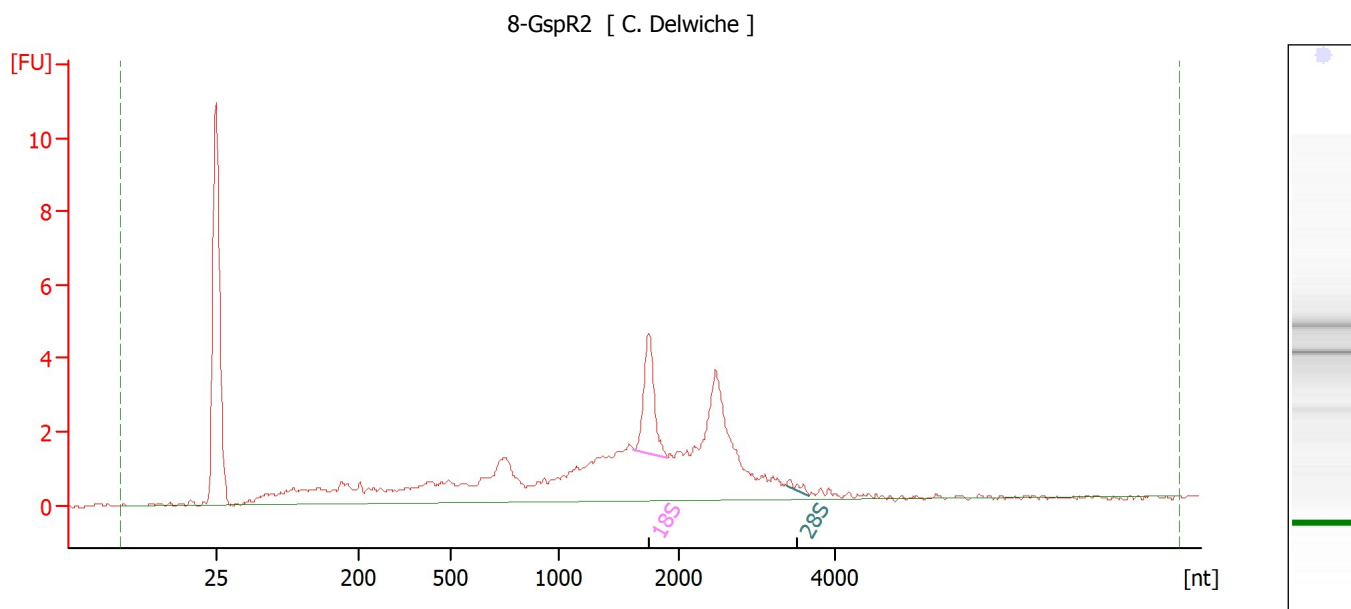
RNA Area:	32.9	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	21 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

**Fragment table for sample 7 : 7-Gbelize**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,992	2.9	8.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 8-GspR2**

RNA Area:	57.3	RNA Integrity Number (RIN):	5 (B.02.08)
RNA Concentration:	37 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN:5

**Fragment table for sample 8 : 8-GspR2**

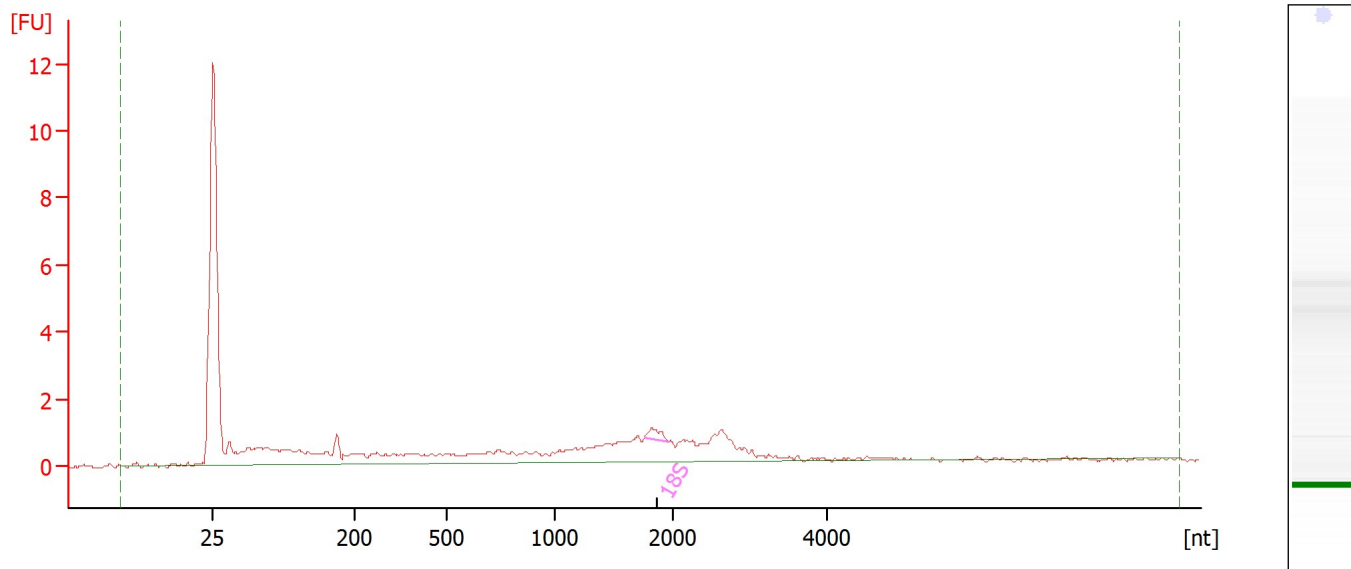
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,623	1,900	4.1	7.1
28S	3,385	3,673	0.2	0.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

9-Gsilvae [ C. Delwiche ]

**Overall Results for sample 9 : 9-Gsilvae**

RNA Area:	28.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	18 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 9 : 9-Gsilvae**

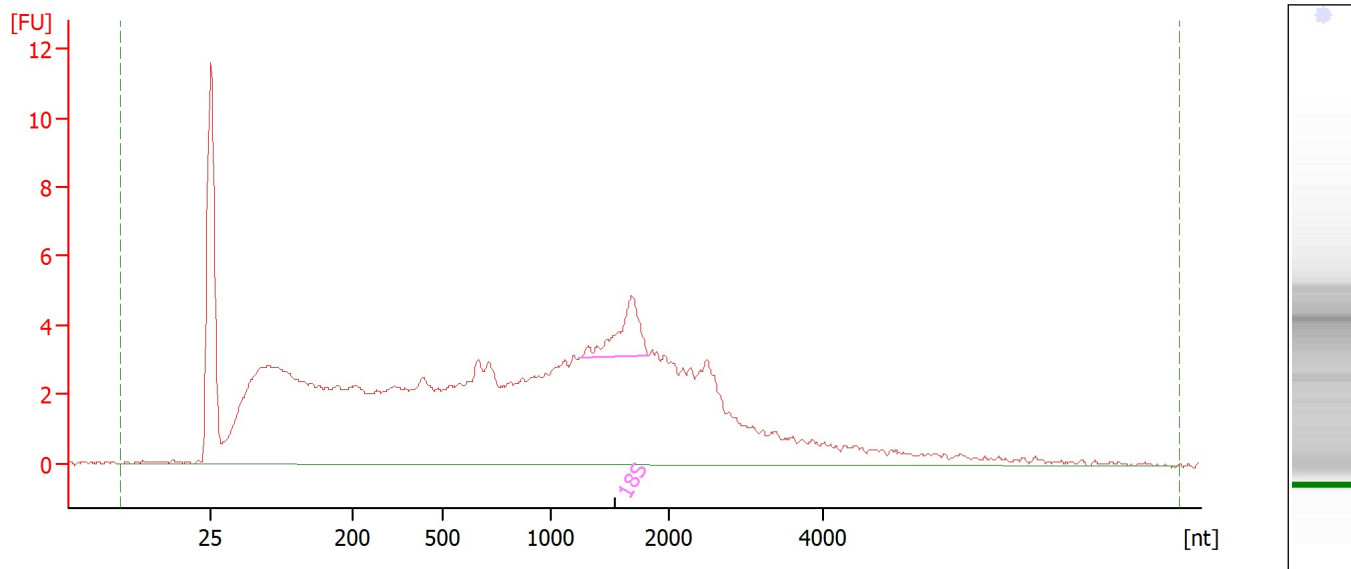
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,762	1,960	0.5	1.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Electropherogram Summary Continued ...**

10-Gruetz [ C. Delwiche ]

**Overall Results for sample 10 : 10-Gruetz**

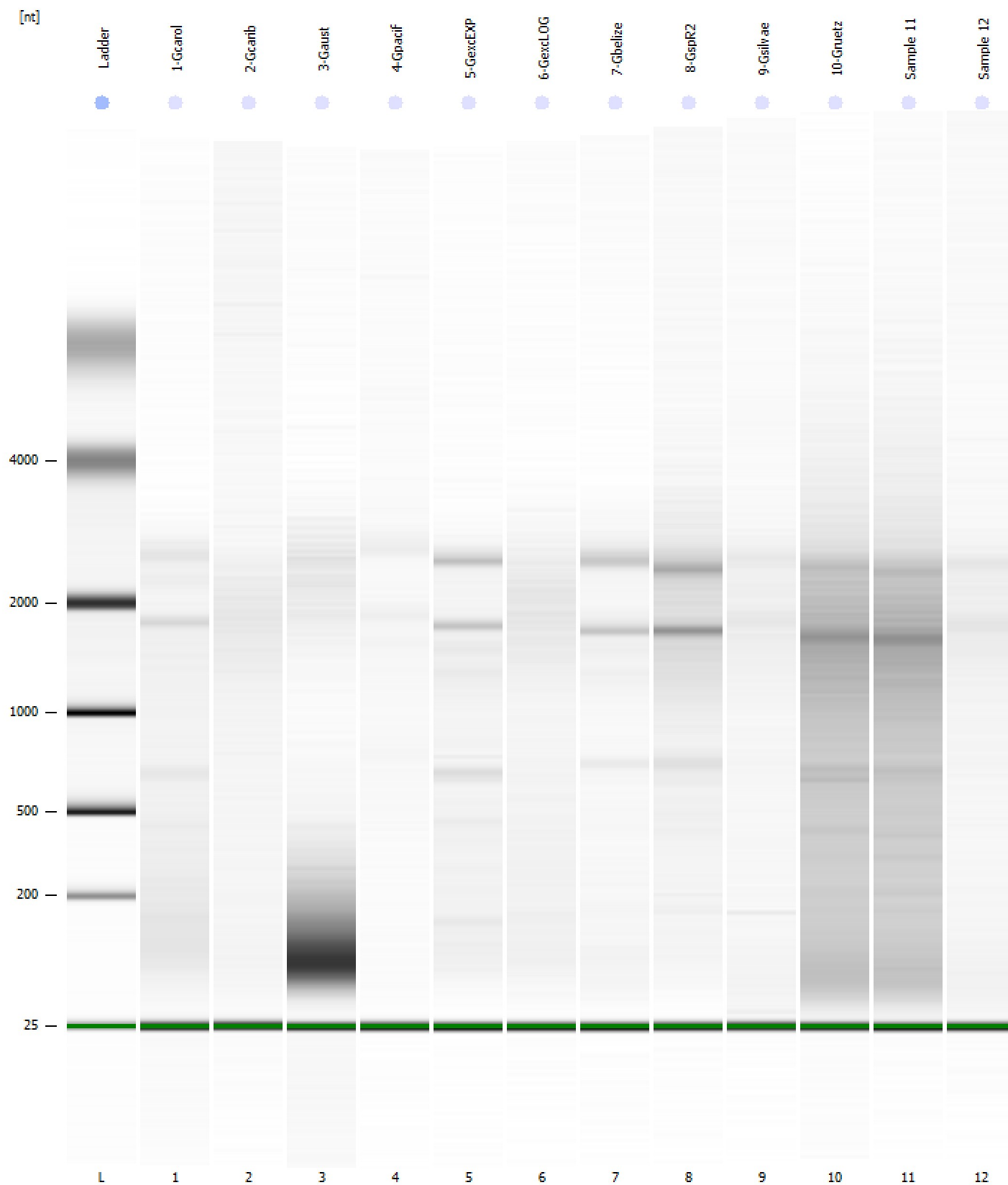
RNA Area:	189.1	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	121 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

**Fragment table for sample 10 : 10-Gruetz**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,262	1,832	4.6	2.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

**Gel Image**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE24802100\_2017-02-07\_14-10-16.xad

Created: 2/7/2017 2:10:16 PM  
Modified: 2/8/2017 3:53:25 PM

## Curves

### Standard Curve

