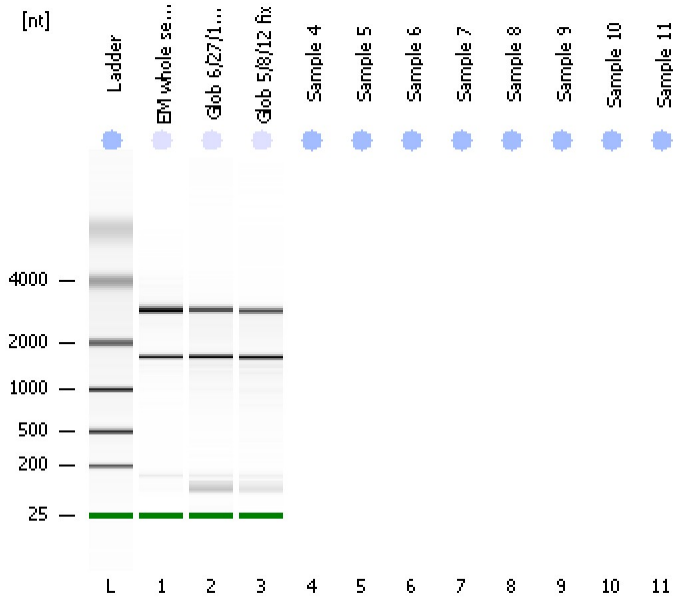


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 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 Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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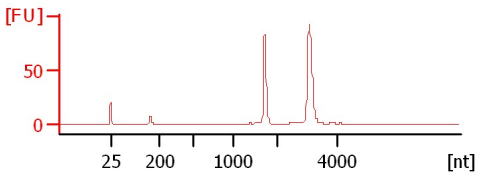
Chip Information:

Chip Lot #:

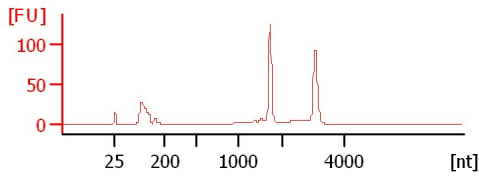
Reagent Kit Lot #:

Chip Comments:

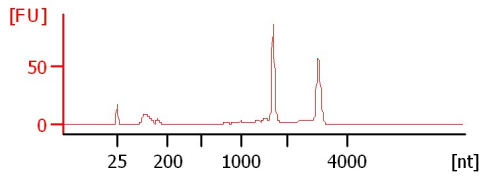
EM whole seed control
RIN:10



Glob 6/27/12 fix
RIN:9



Glob 5/8/12 fix
RIN: 8.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
 Modified: 6/29/2012 5:22:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
EM whole seed control		✓	RIN:10	
Glob 6/27/12 fix		✓	RIN:9	
Glob 5/8/12 fix		✓	RIN: 8.60	
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

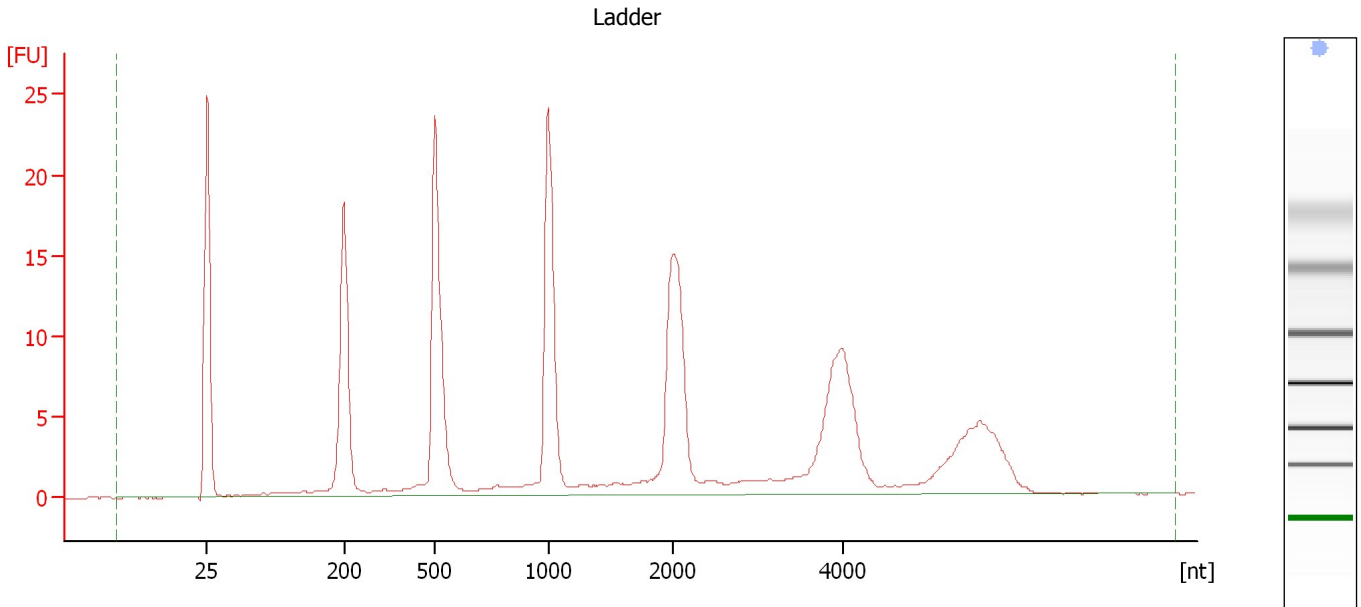
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Electropherogram Summary



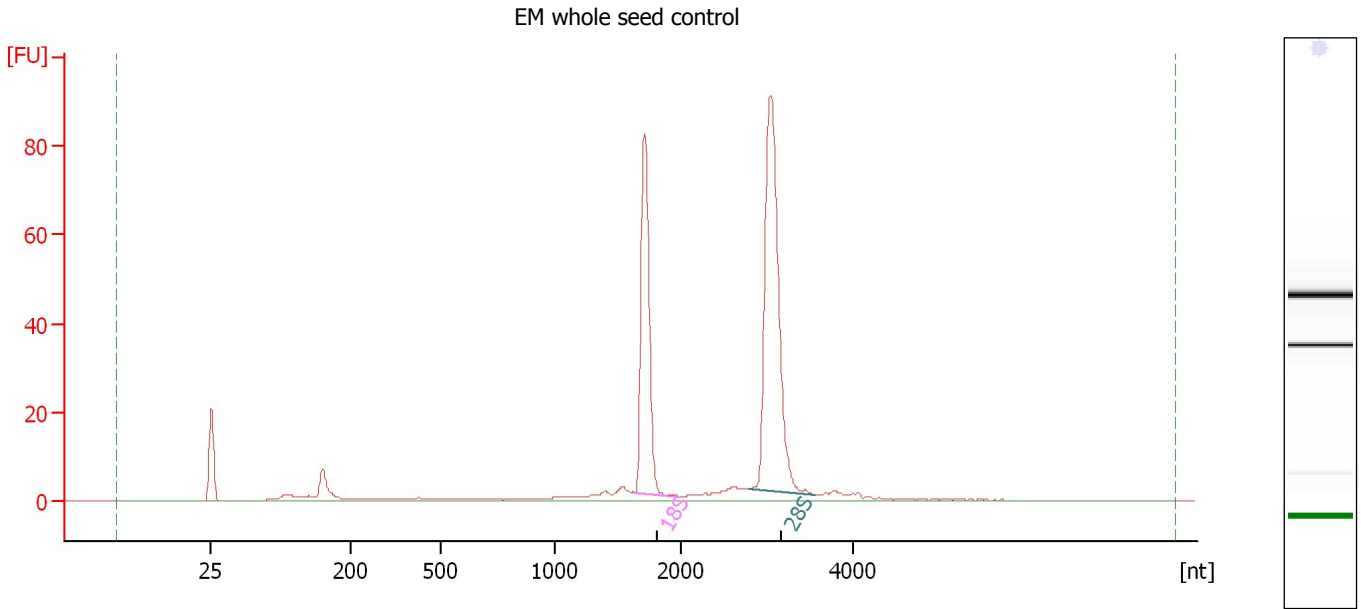
Overall Results for Ladder

RNA Area:	200.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EM whole seed control

RNA Area: 293.9 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 1,464 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN:10

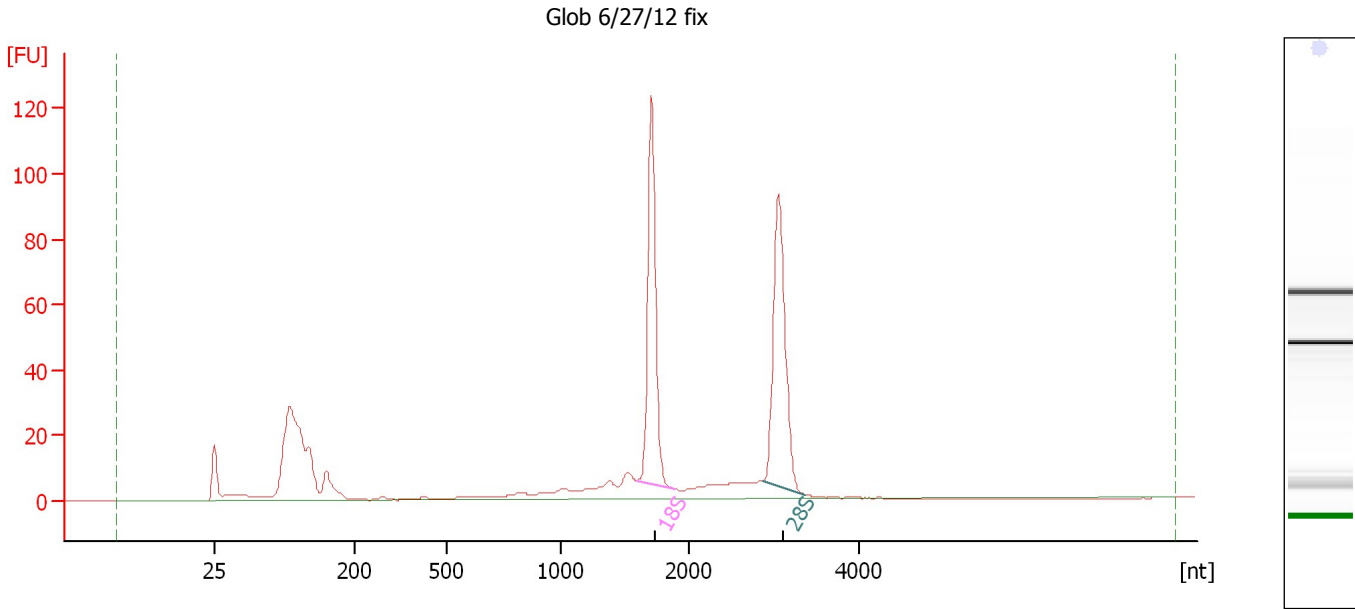
Fragment table for sample 1 : EM whole seed control

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	1,968	78.0	26.5
28S	2,794	3,560	130.1	44.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Glob 6/27/12 fix

RNA Area: 505.9 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 2,519 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN:9

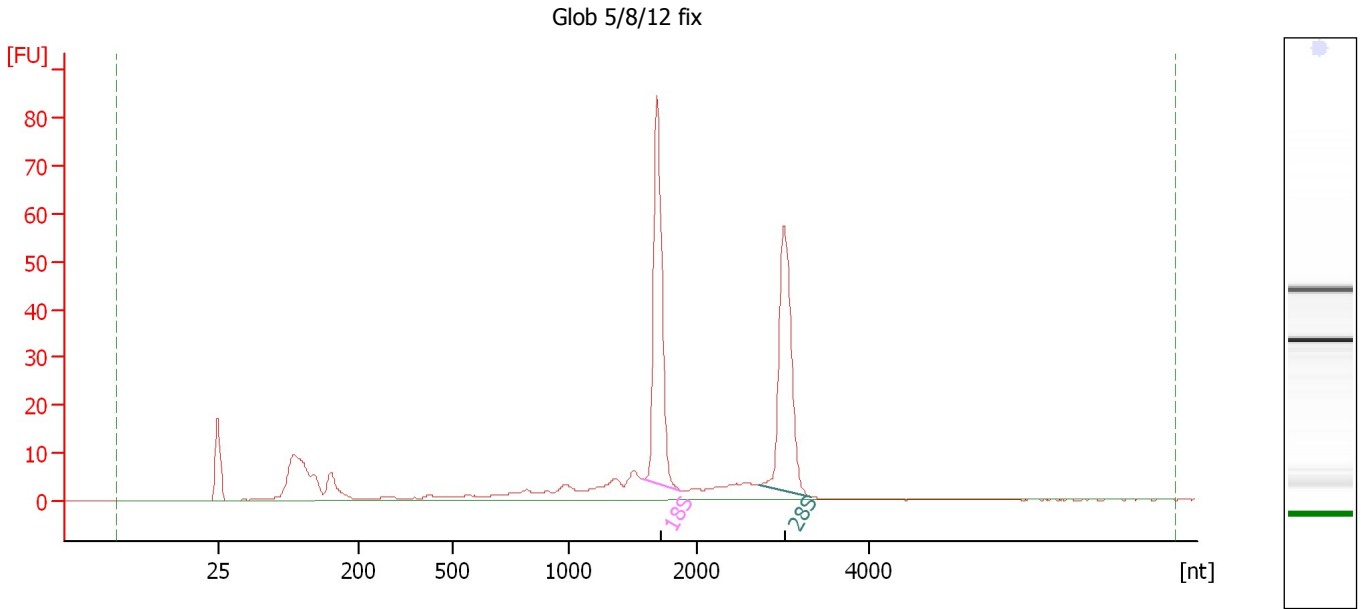
Fragment table for sample 2 : Glob 6/27/12 fix

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,903	116.1	23.0
28S	2,867	3,366	114.4	22.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
 Modified: 6/29/2012 5:22:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Glob 5/8/12 fix

RNA Area:	311.1	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	1,549 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.60

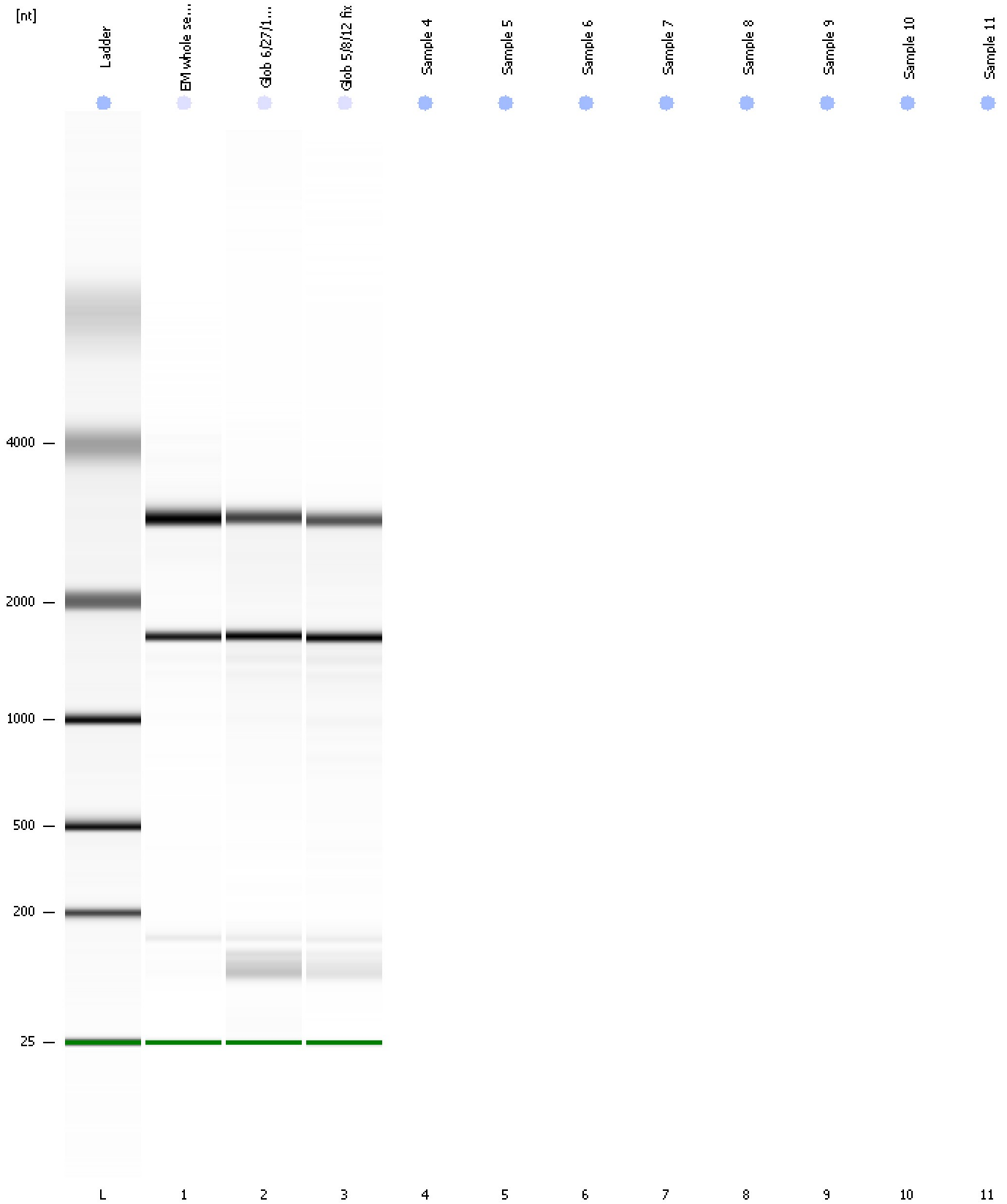
Fragment table for sample 3 : Glob 5/8/12 fix

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,881	81.2	26.1
28S	2,728	3,321	72.3	23.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
Modified: 6/29/2012 5:22:55 PM

Invalid Samples

Sample 4 has not been run, no results available.

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.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad

Created: 6/29/2012 5:11:18 PM
 Modified: 6/29/2012 5:22:55 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		6/29/2012 5:22:48 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-06-29\2012-06-29_003.xad)		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/29/2012 5:11:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1