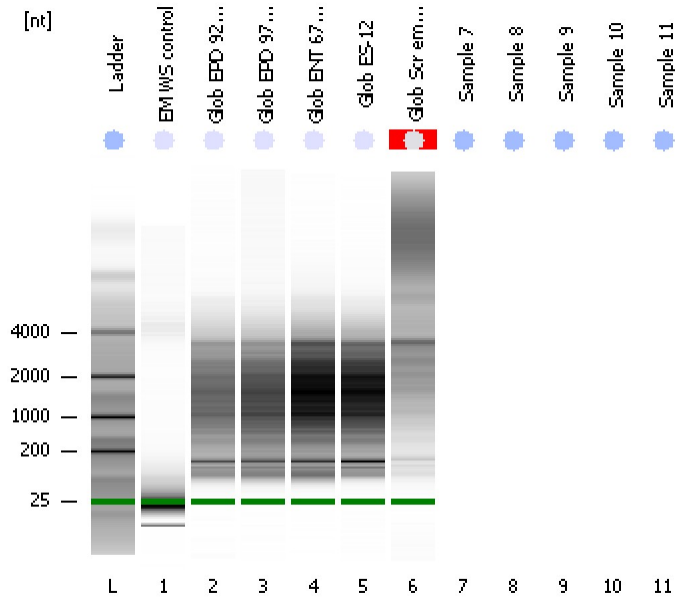


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

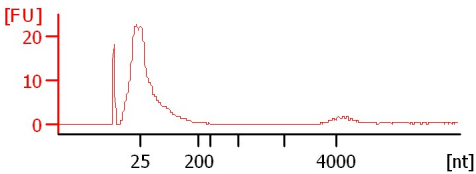
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

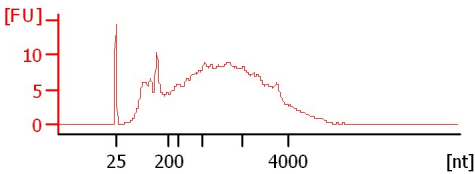
Chip Information:

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

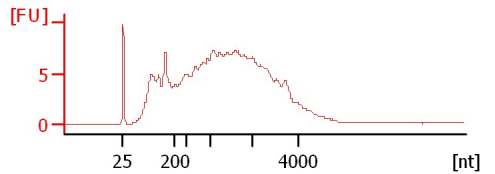
EM WS control
RIN: 2.70



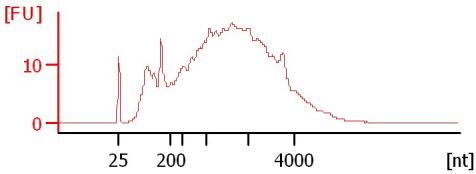
Glob EPD 92-96
RIN: 2.30



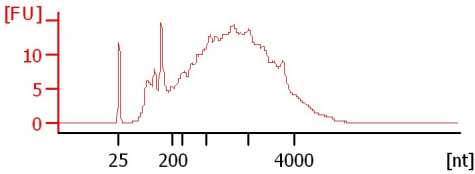
Glob EPD 97-100
RIN: 2.50



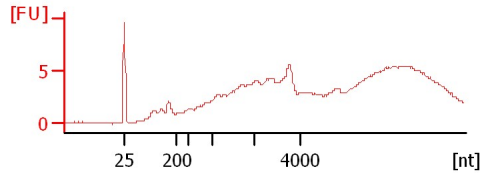
Glob ENT 67-73
RIN: 2.20



Glob ES-12
RIN: 2.40



Glob Scr embed 5/31
RIN N/A



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
EM WS control		✓	RIN: 2.70	
Glob EPD 92-96		✓	RIN: 2.30	
Glob EPD 97-100		✓	RIN: 2.50	
Glob ENT 67-73		✓	RIN: 2.20	
Glob ES-12		✓	RIN: 2.40	
Glob Scr embed 5/31		✓	RIN N/A	
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\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 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

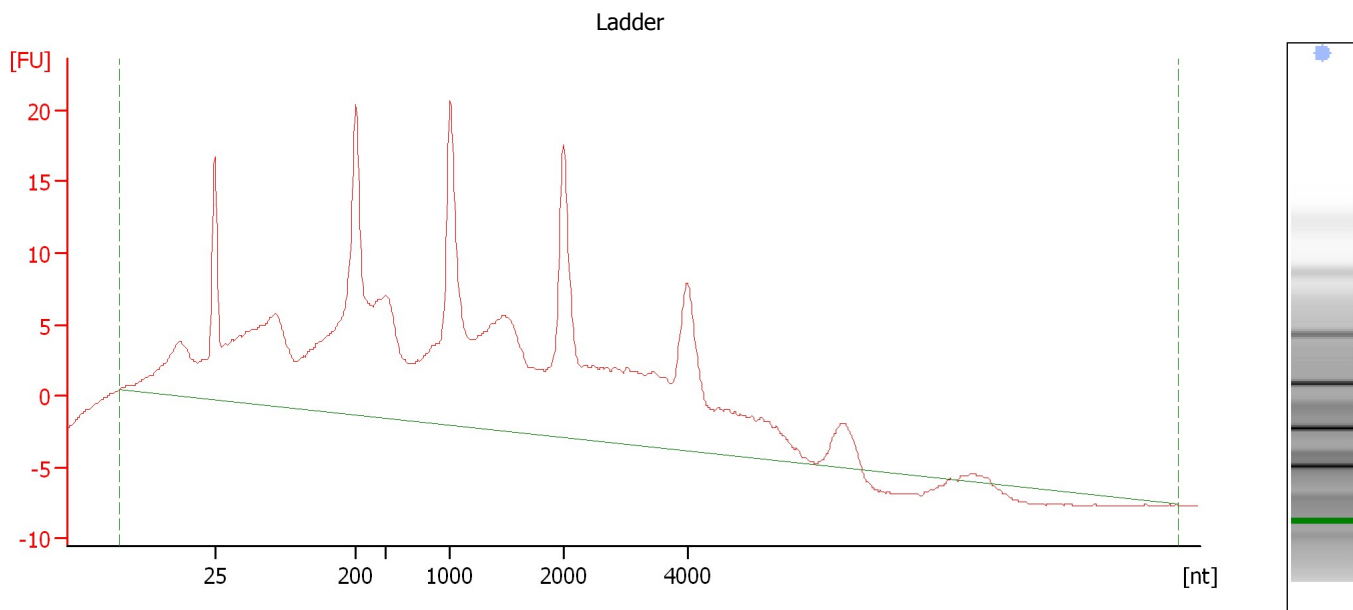
Ladder

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\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary



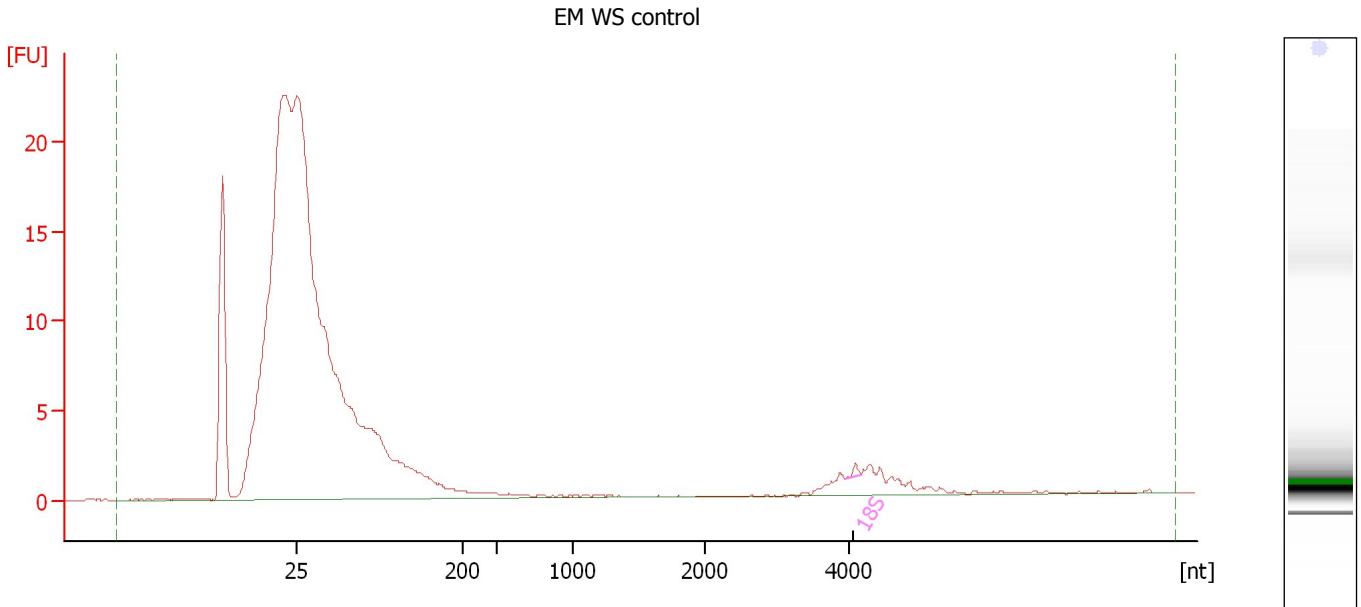
Overall Results for Ladder

RNA Area:	507.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EM WS control

RNA Area:	169.5	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	334 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Fragment table for sample 1 : EM WS control

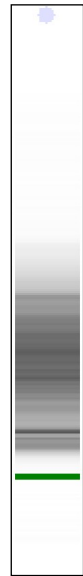
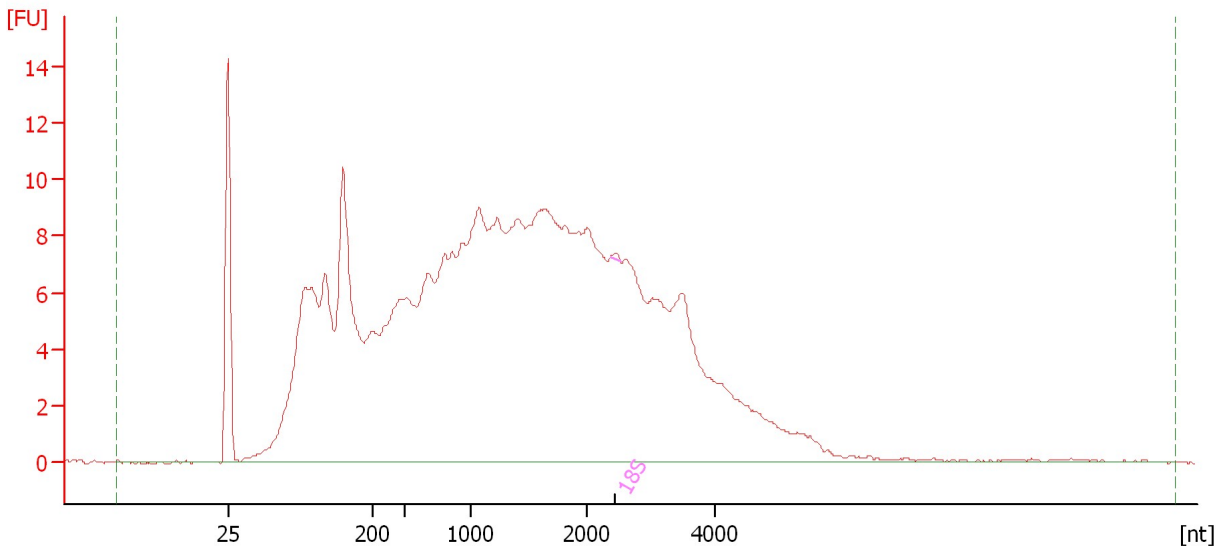
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,943	4,179	0.4	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...

Glob EPD 92-96



Overall Results for sample 2 : Glob EPD 92-96

RNA Area:	378.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	746 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 2 : Glob EPD 92-96

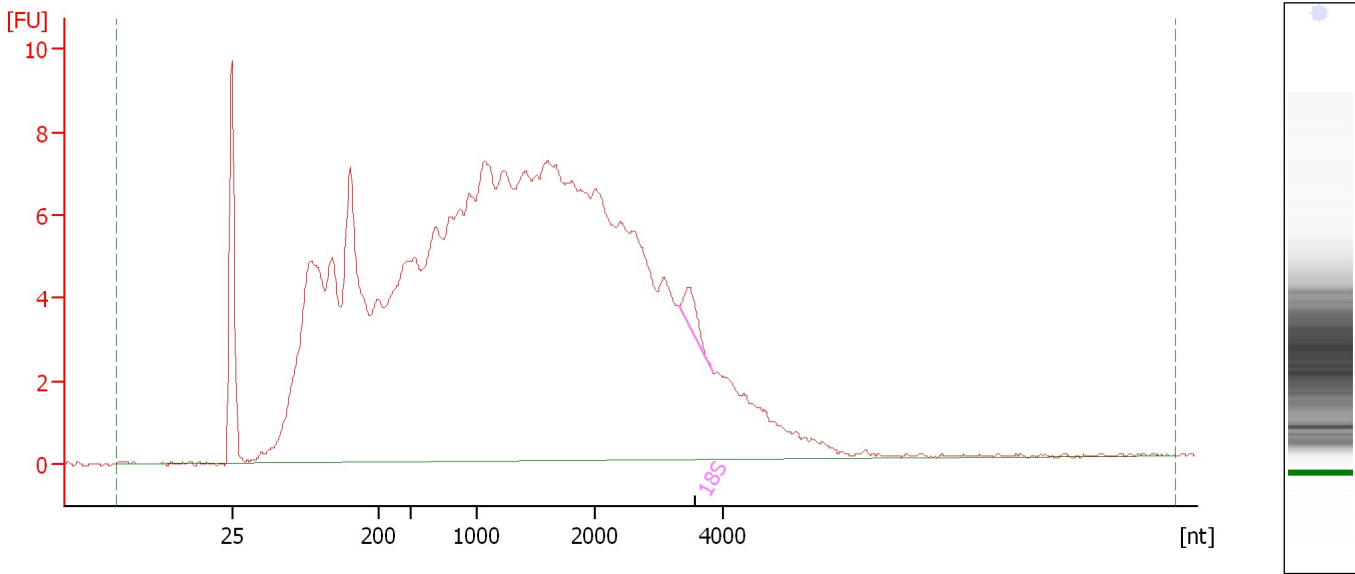
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,364	2,514	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...

Glob EPD 97-100



Overall Results for sample 3 : Glob EPD 97-100

RNA Area:	297.0	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	585 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

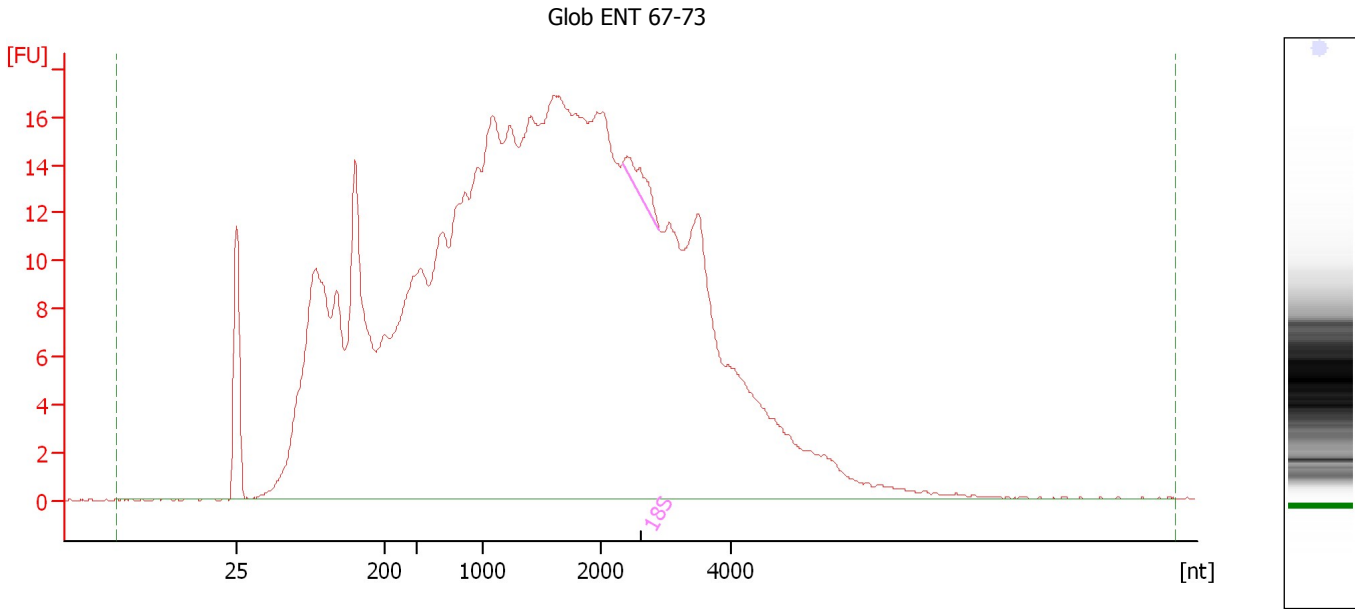
Fragment table for sample 3 : Glob EPD 97-100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,294	3,825	1.6	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Glob ENT 67-73

RNA Area:	663.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,306 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

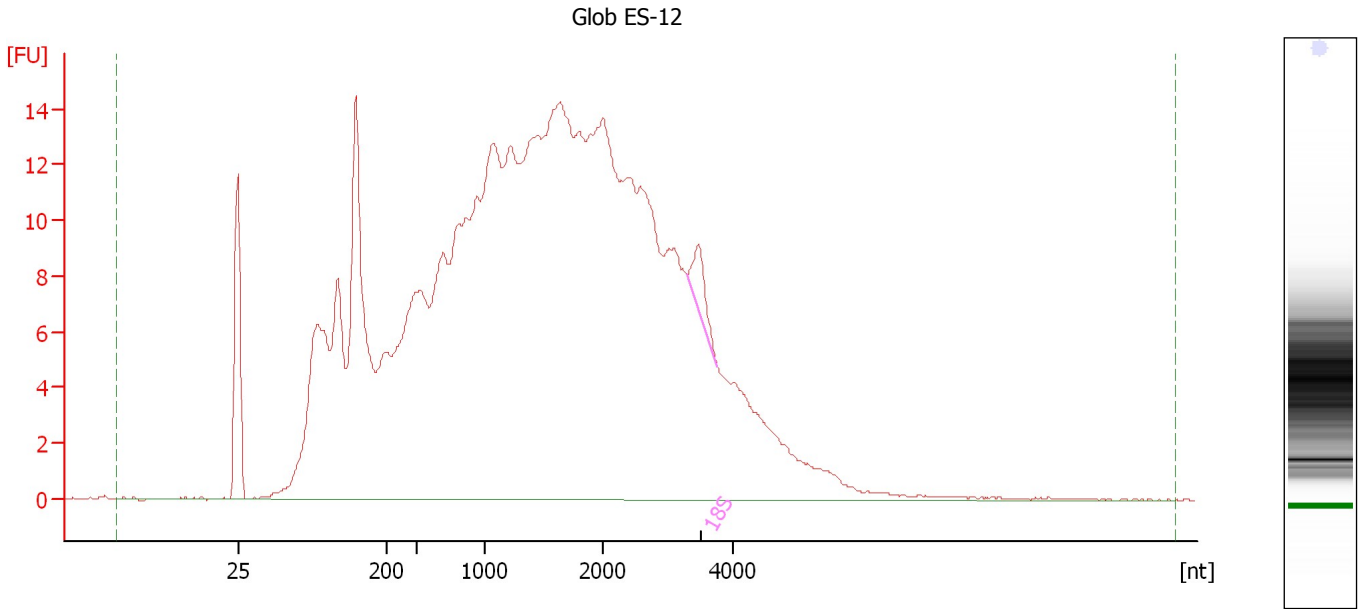
Fragment table for sample 4 : Glob ENT 67-73

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,318	2,894	2.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Glob ES-12

RNA Area:	522.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,030 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 5 : Glob ES-12

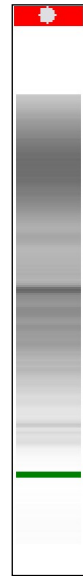
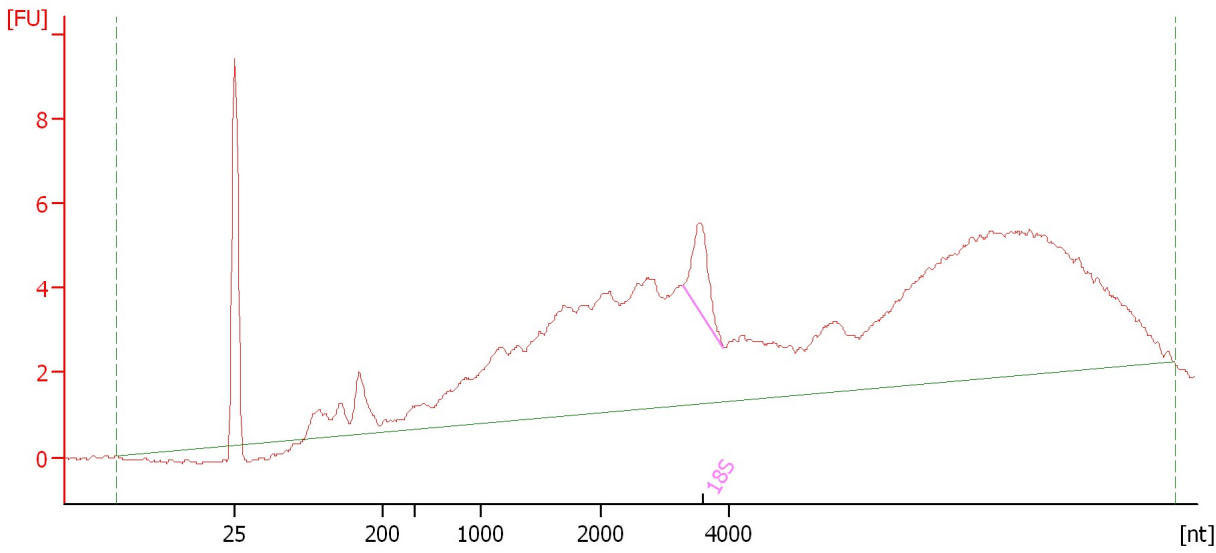
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,291	3,751	3.2	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Electropherogram Summary Continued ...

Glob Scr embed 5/31



Overall Results for sample 6 : Glob Scr embed 5/31

RNA Area:	153.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	303 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

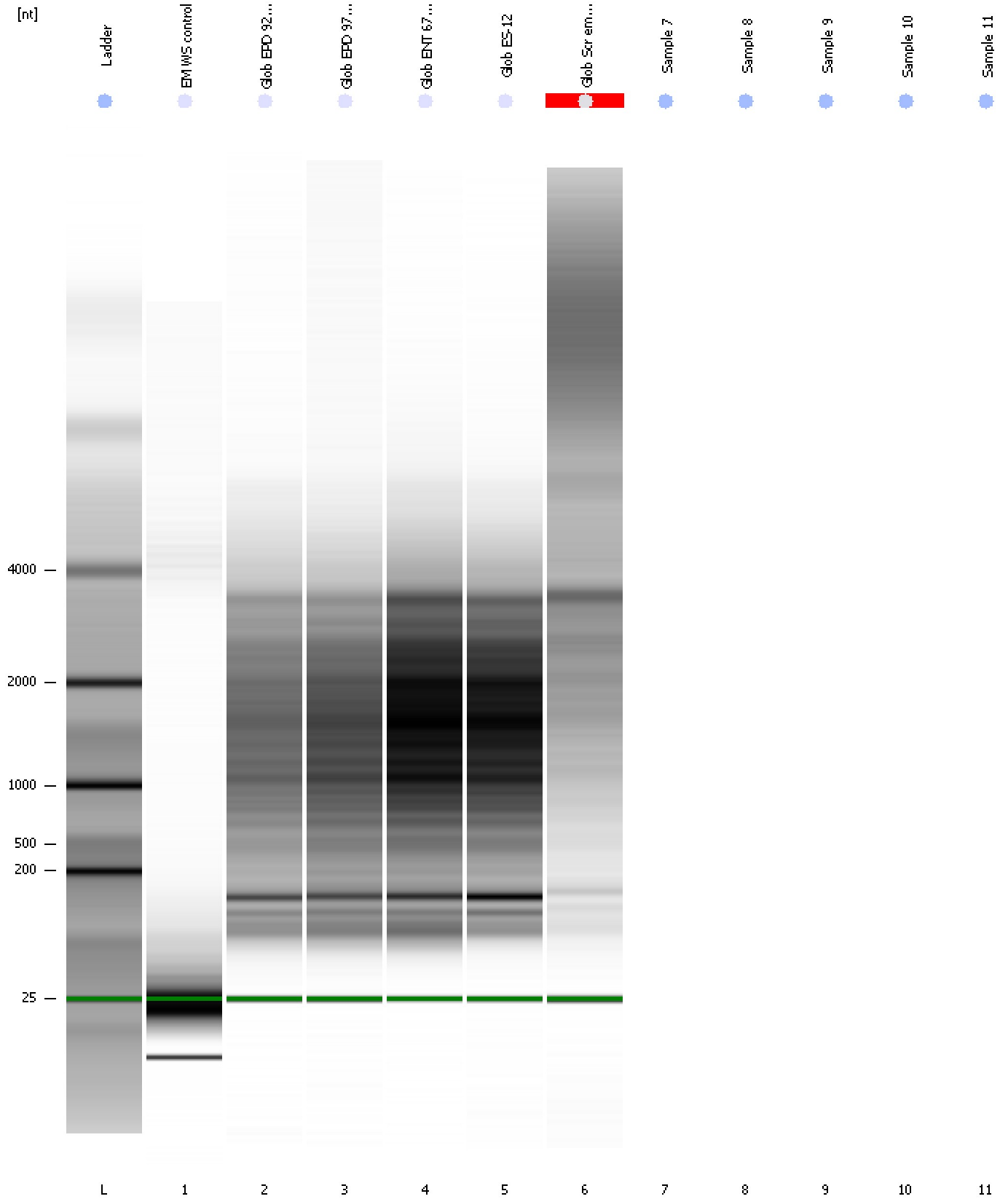
Fragment table for sample 6 : Glob Scr embed 5/31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,269	3,912	3.8	2.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
Modified: 6/19/2013 12:51:35 PM

Invalid Samples

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\2013-06-19\2013-06-19_001.xad

Created: 6/19/2013 12:35:45 PM
 Modified: 6/19/2013 12:51:35 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		6/19/2013 12:51:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-06-19\2013-06-19_001.xad)		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/19/2013 12:35:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1