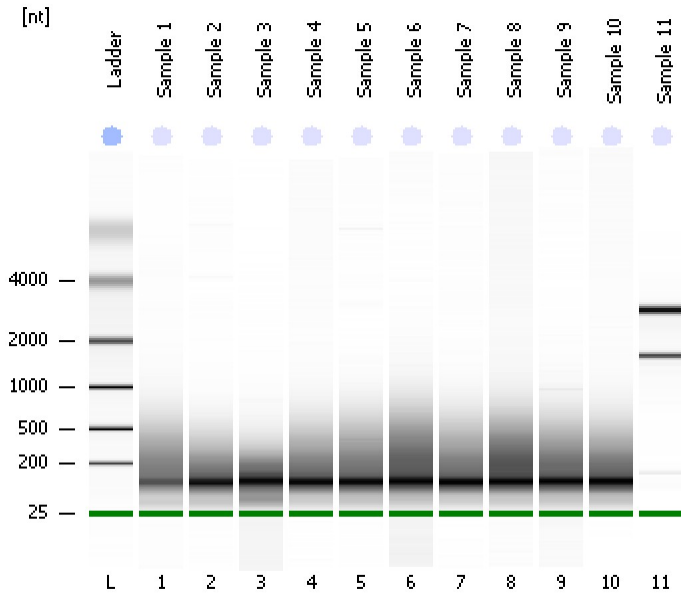


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electrophoresis File Run Summary



Instrument Information:

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

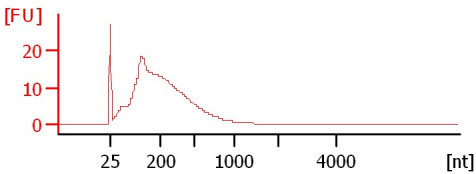
Assay Information:

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.

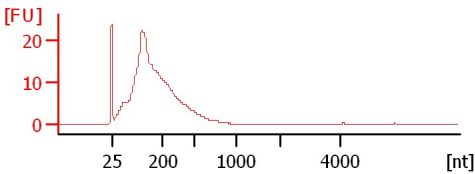
Chip Information:

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

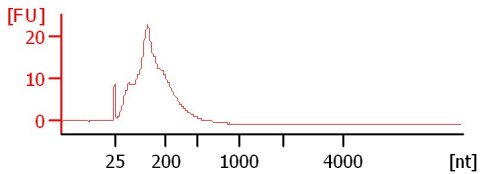
Sample 1
RIN: 2.40



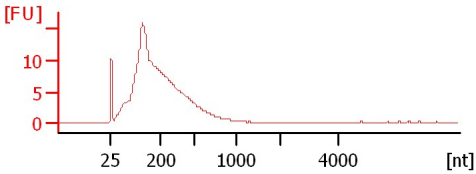
Sample 2
RIN: 3.50



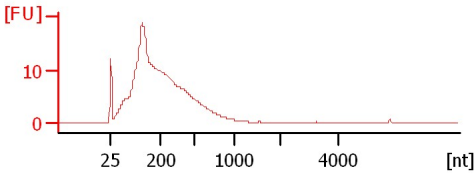
Sample 3
RIN: 2.40



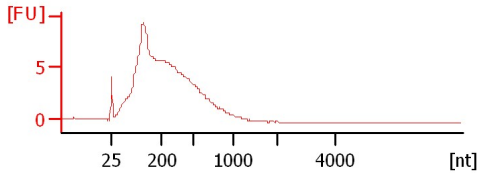
Sample 4
RIN: 2.30



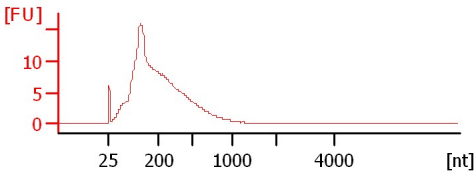
Sample 5
RIN: 2.60



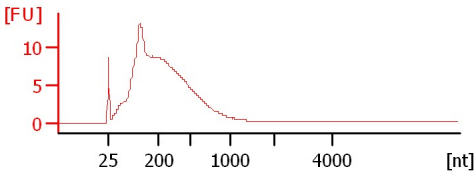
Sample 6
RIN: 2.60



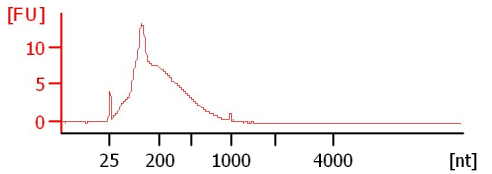
Sample 7
RIN: 2.20



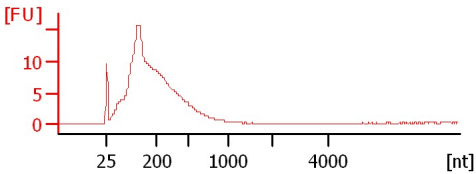
Sample 8
RIN: 2.20



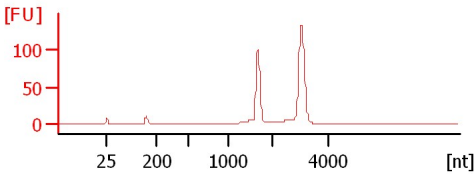
Sample 9
RIN: 1.30



Sample 10
RIN: 2.30



Sample 11
RIN: 10



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 2.40	
Sample 2		✓	RIN: 3.50	
Sample 3		✓	RIN: 2.40	
Sample 4		✓	RIN: 2.30	
Sample 5		✓	RIN: 2.60	
Sample 6		✓	RIN: 2.60	
Sample 7		✓	RIN: 2.20	
Sample 8		✓	RIN: 2.20	
Sample 9		✓	RIN: 1.30	
Sample 10		✓	RIN: 2.30	
Sample 11		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

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

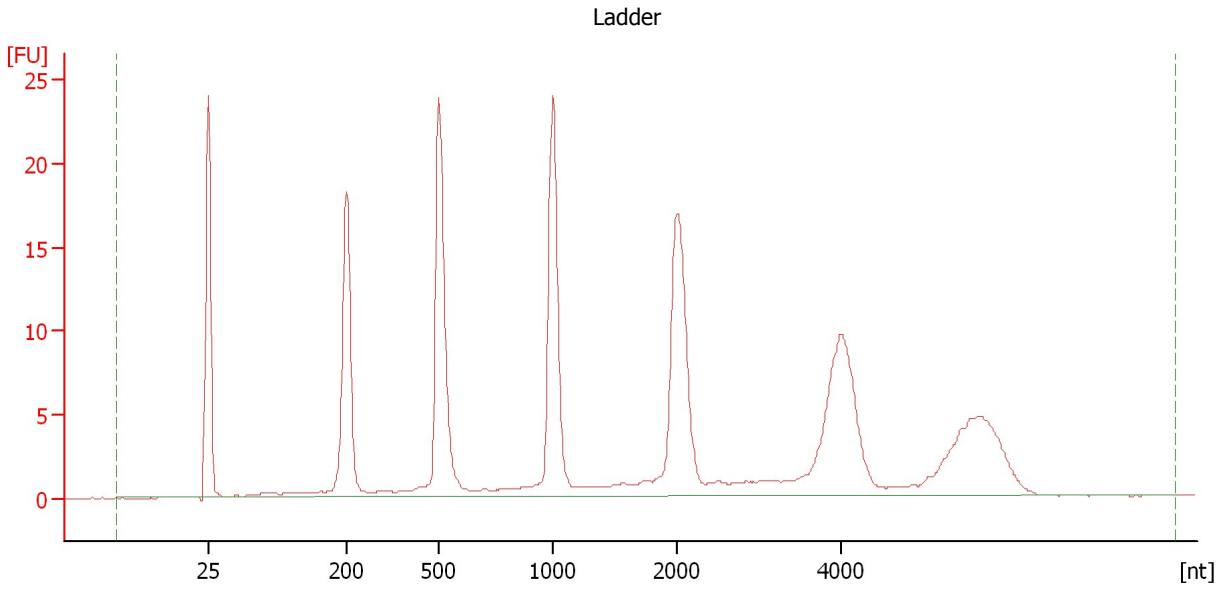
Ladder

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\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary



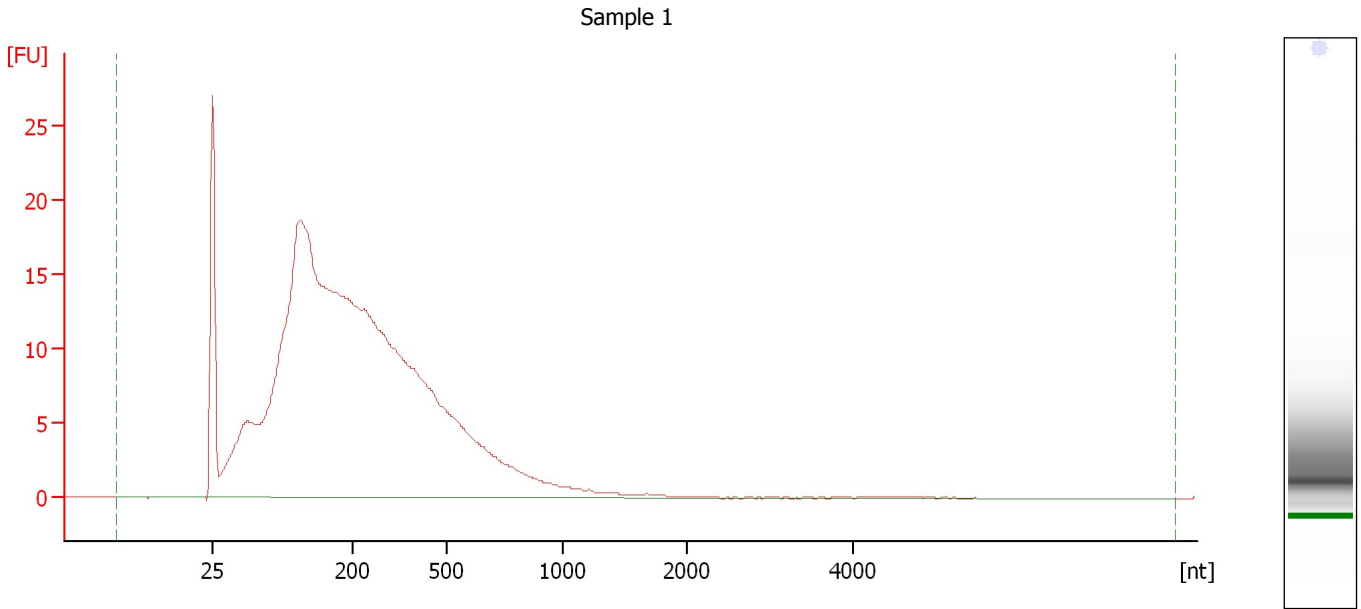
Overall Results for Ladder

RNA Area:	200.7	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\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

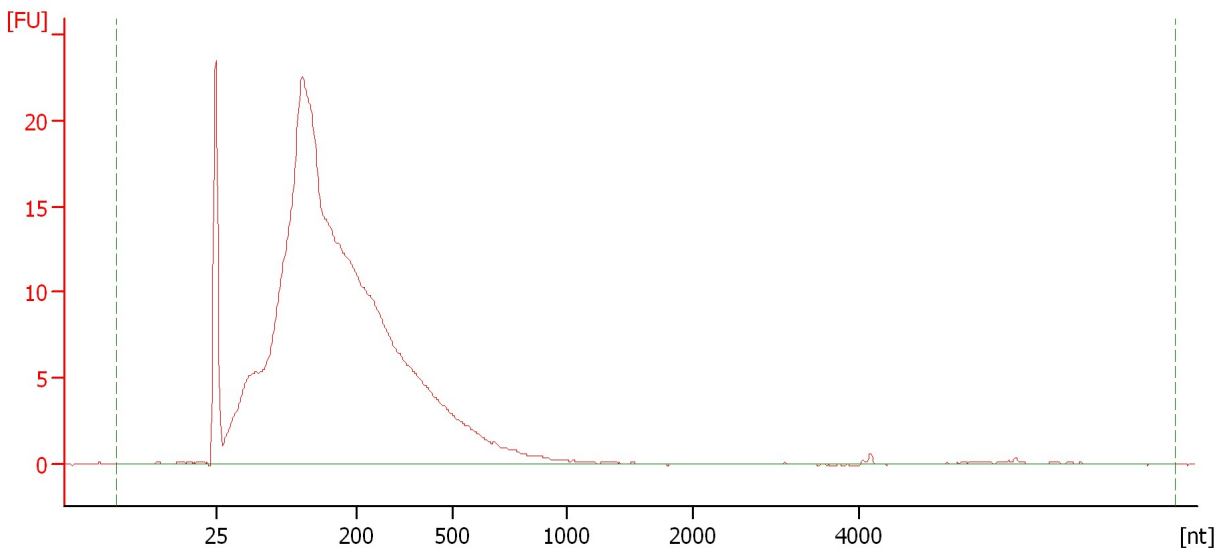
RNA Area:	396.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,976 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

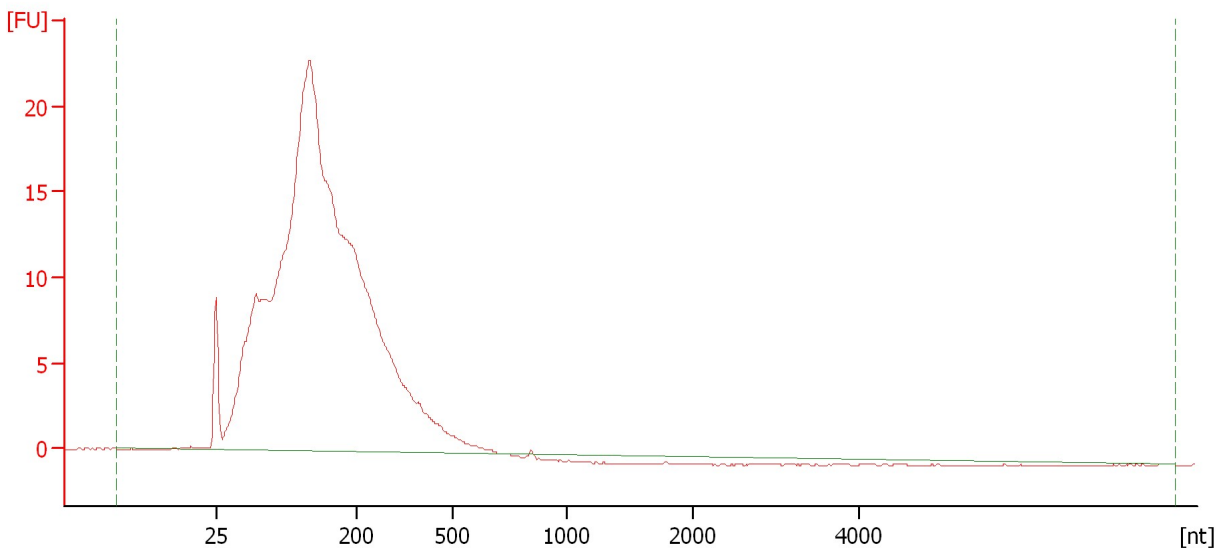
RNA Area:	346.4	RNA Integrity Number (RIN):	3.5 (B.02.08)
RNA Concentration:	1,726 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

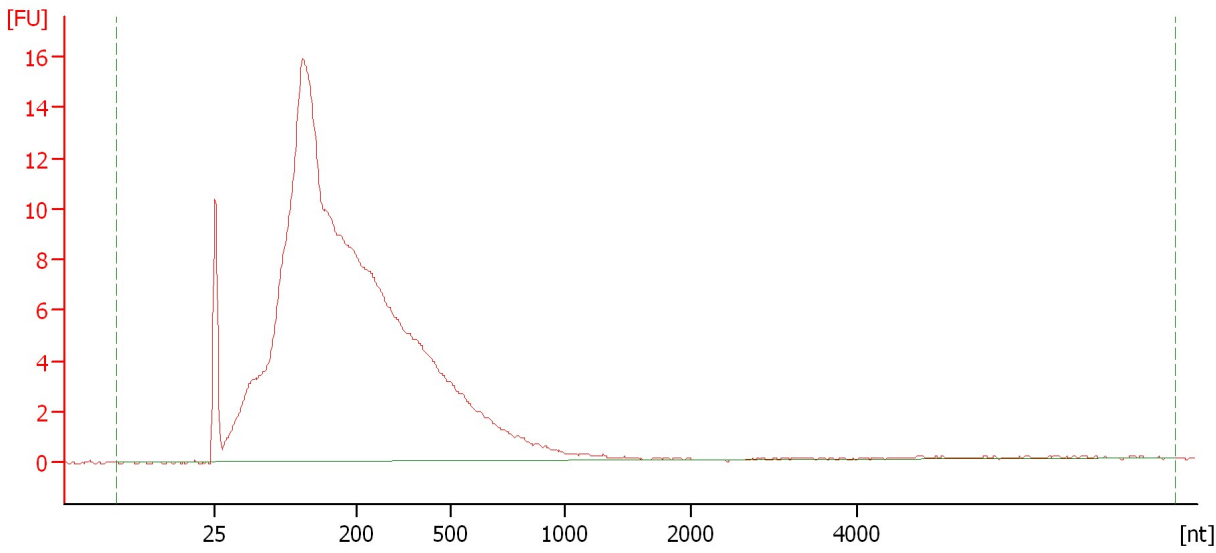
RNA Area:	330.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,647 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

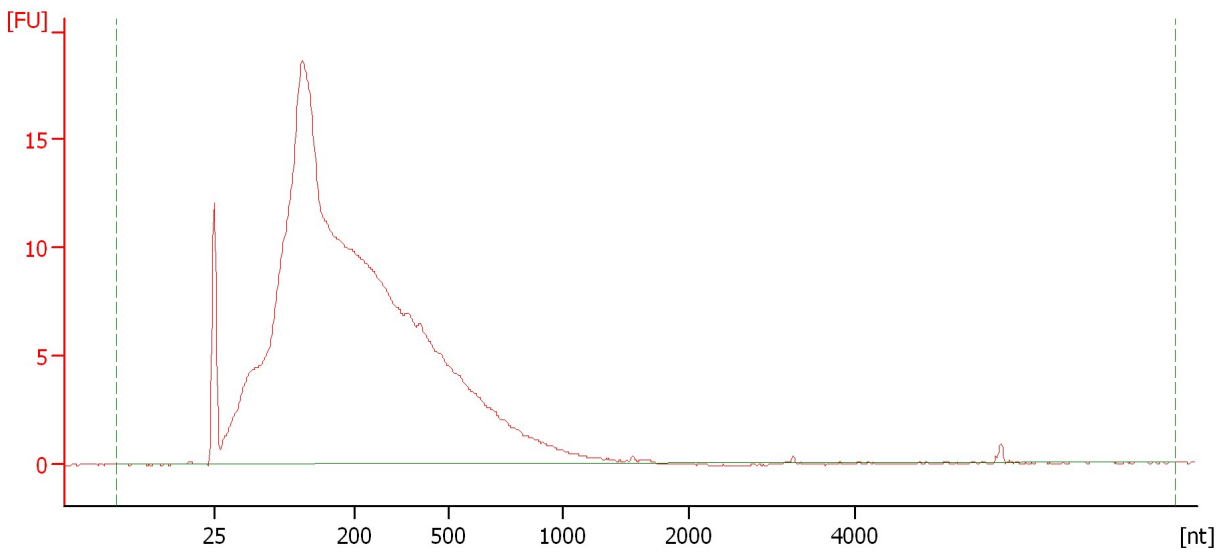
RNA Area:	259.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,291 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

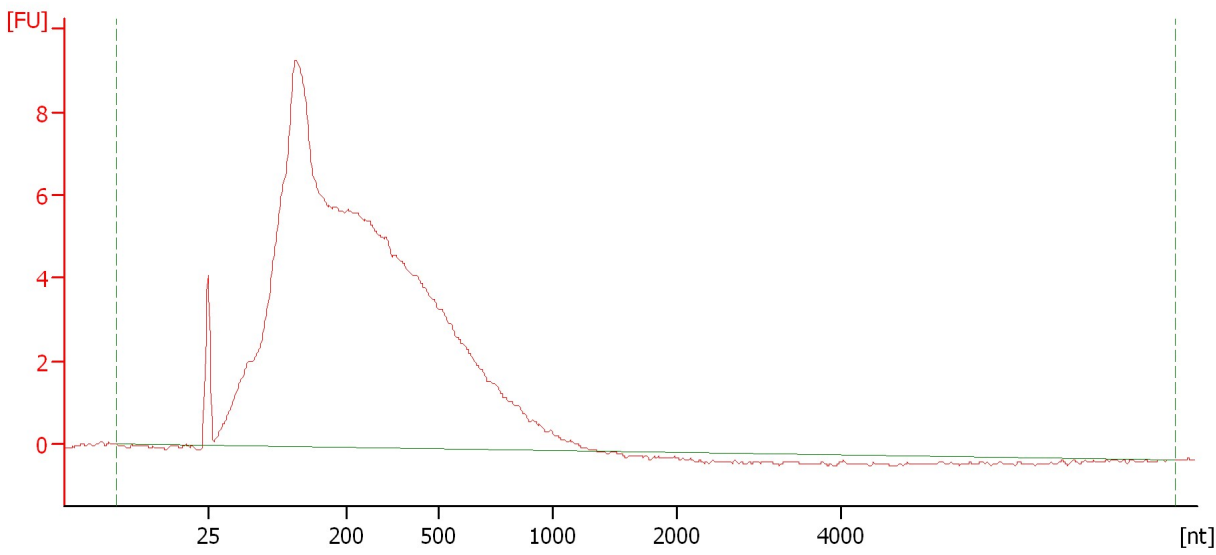
RNA Area:	327.8	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,633 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

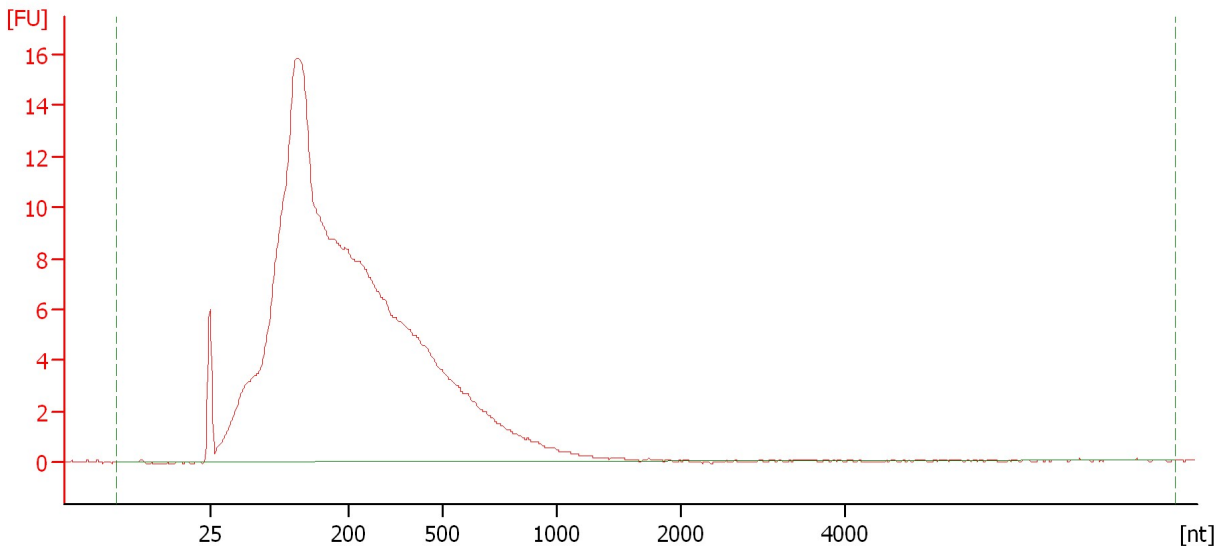
RNA Area:	188.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	939 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

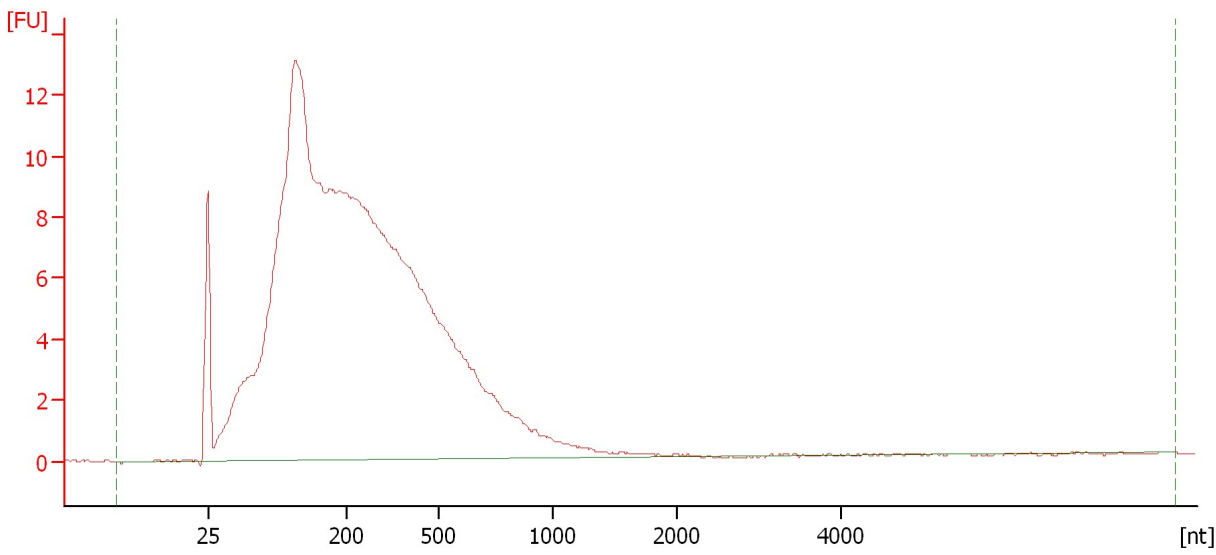
RNA Area:	267.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,332 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

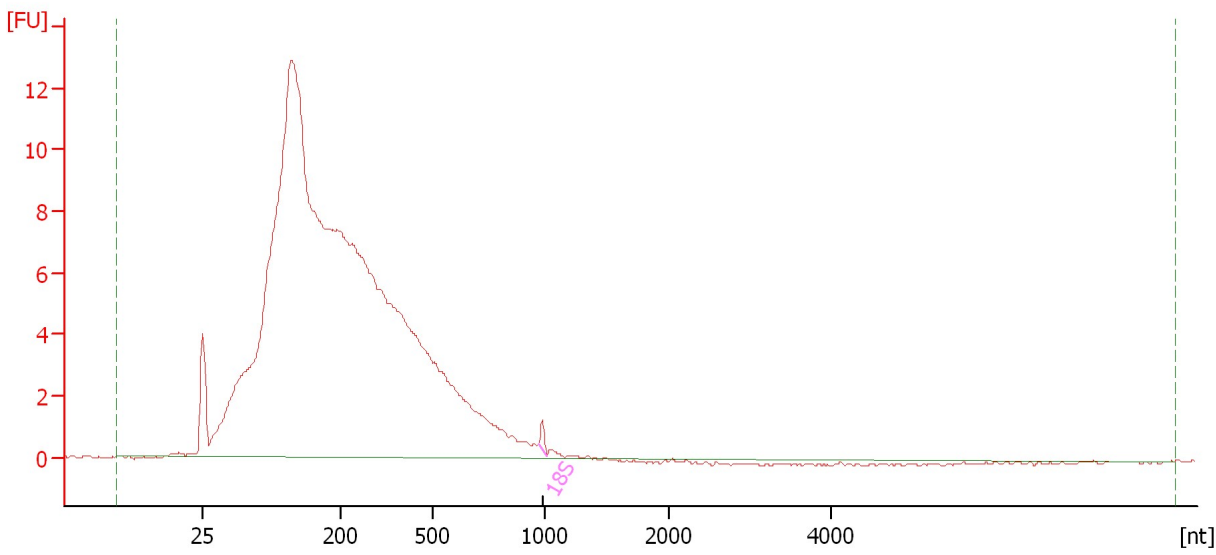
RNA Area:	271.0	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,351 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	227.4	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	1,133 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Fragment table for sample 9 : Sample 9

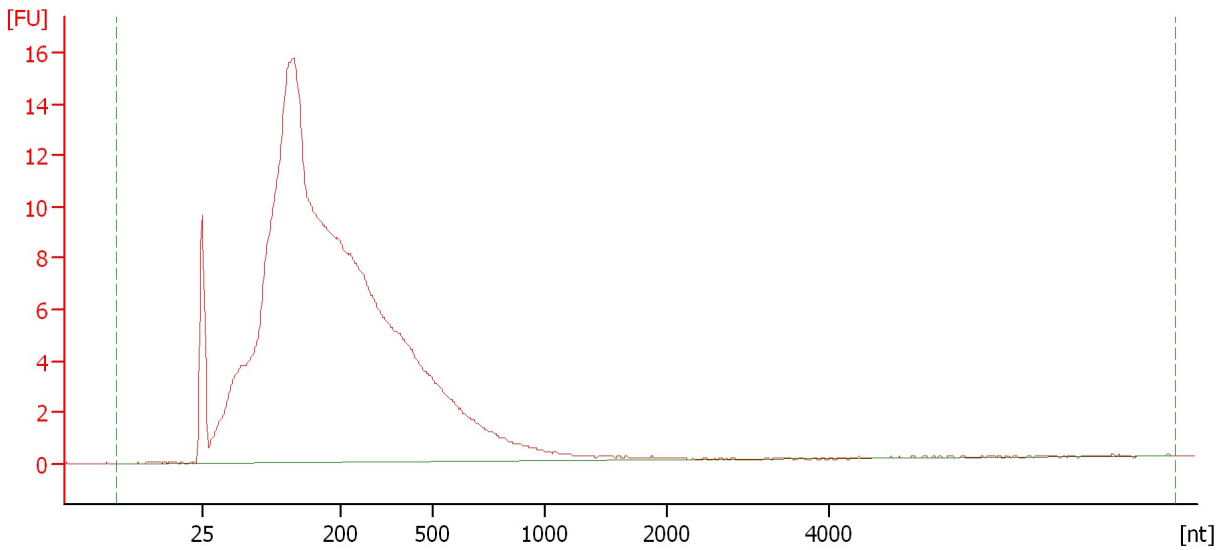
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	970	1,014	0.5	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...

Sample 10



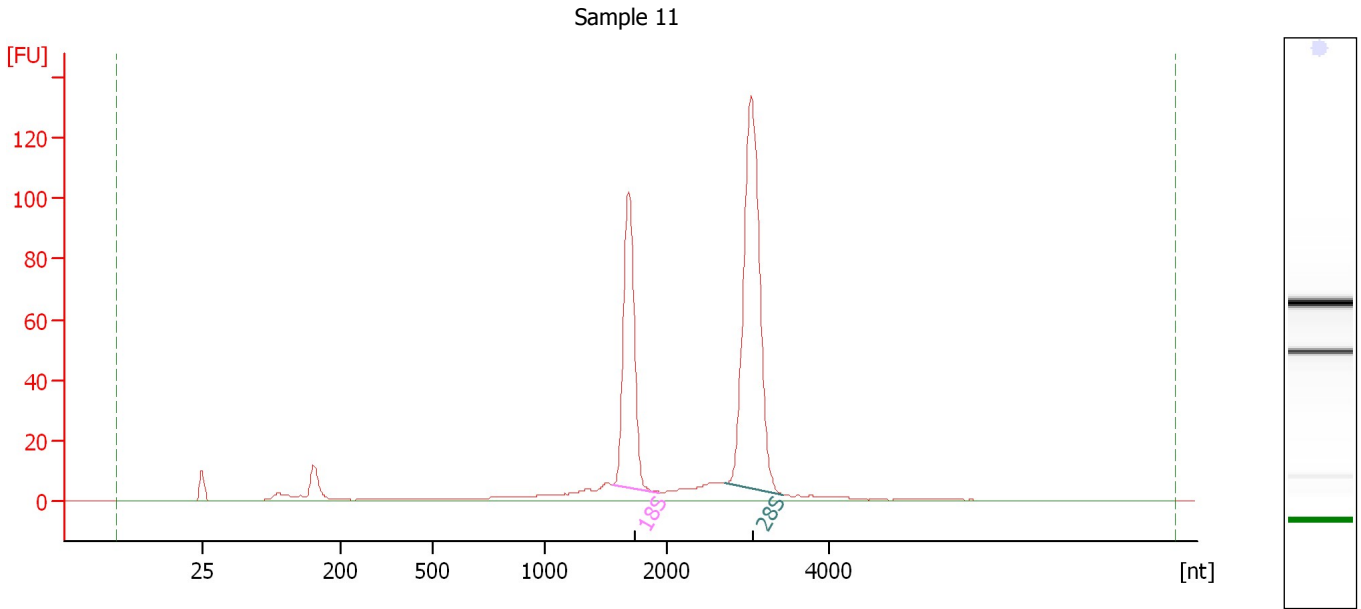
Overall Results for sample 10 : Sample 10

RNA Area:	272.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,358 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area: 516.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 2,572 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN:10

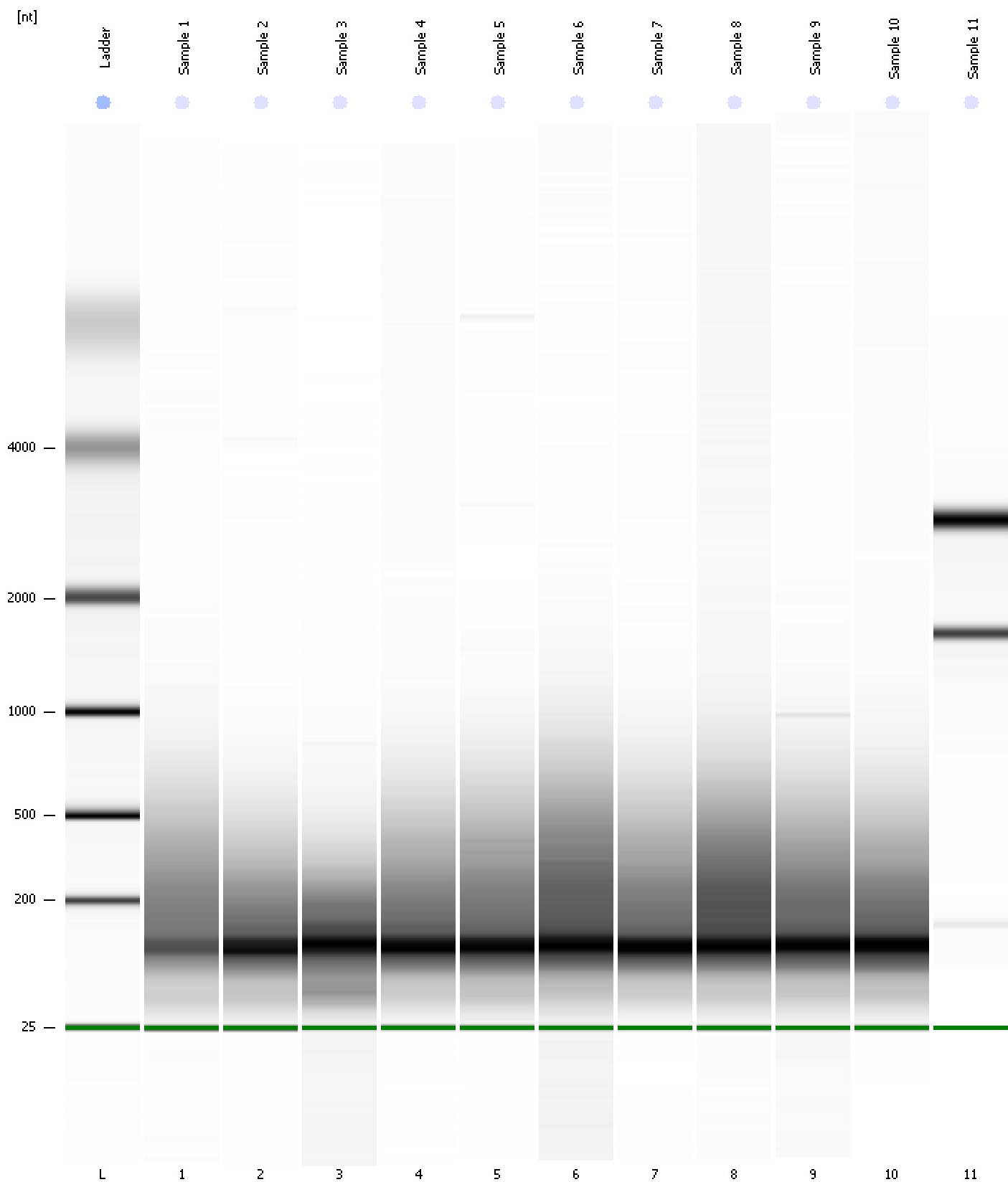
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,944	130.5	25.3
28S	2,721	3,448	229.0	44.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
Modified: 7/9/2012 11:58:08 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad

Created: 7/9/2012 11:33:28 AM
 Modified: 7/9/2012 11:58:08 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/9/2012 11:56:22 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-07-09\2012-07-09_002.xad)		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/9/2012 11:33:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1