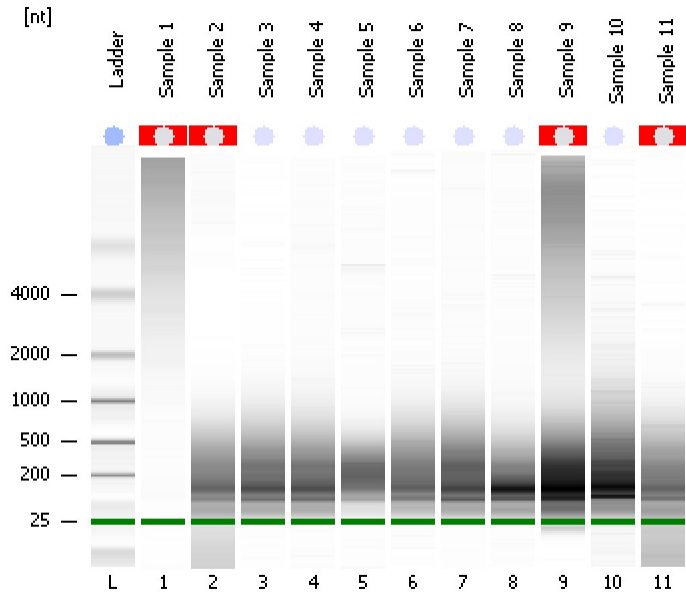


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

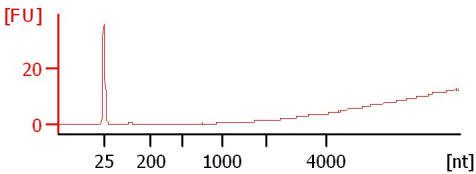
Assay Information:

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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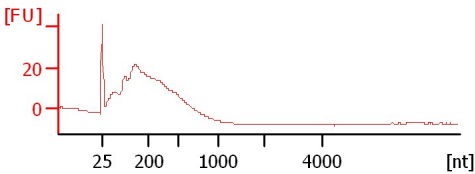
Chip Information:

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

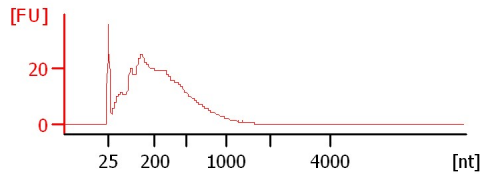
Sample 1
RIN N/A



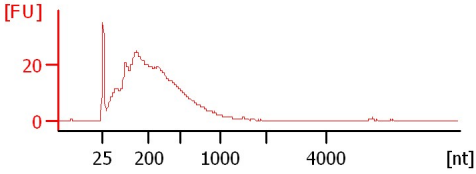
Sample 2
RIN N/A



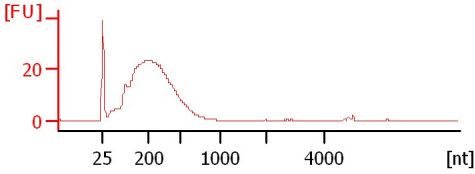
Sample 3
RIN: 2.30



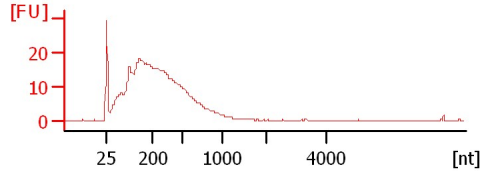
Sample 4
RIN: 2.40



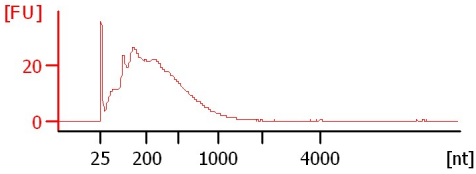
Sample 5
RIN: 2.60



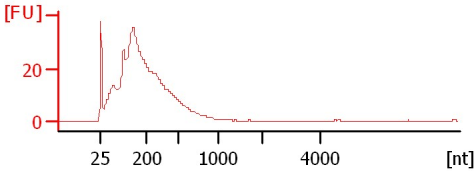
Sample 6
RIN: 2.40



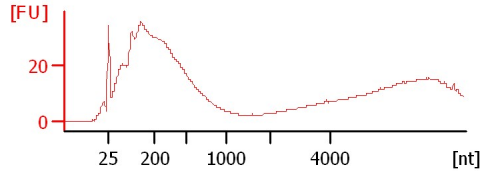
Sample 7
RIN: 2.30



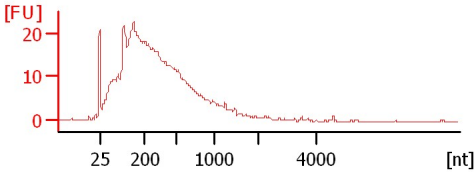
Sample 8
RIN: 2.50



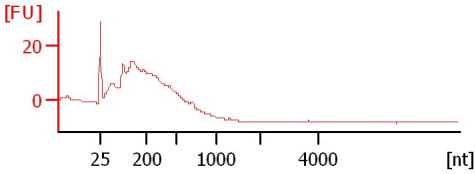
Sample 9
RIN N/A



Sample 10
RIN: 2.30



Sample 11
RIN N/A



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN N/A	
Sample 3		✓	RIN: 2.30	
Sample 4		✓	RIN: 2.40	
Sample 5		✓	RIN: 2.60	
Sample 6		✓	RIN: 2.40	
Sample 7		✓	RIN: 2.30	
Sample 8		✓	RIN: 2.50	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN: 2.30	
Sample 11		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 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

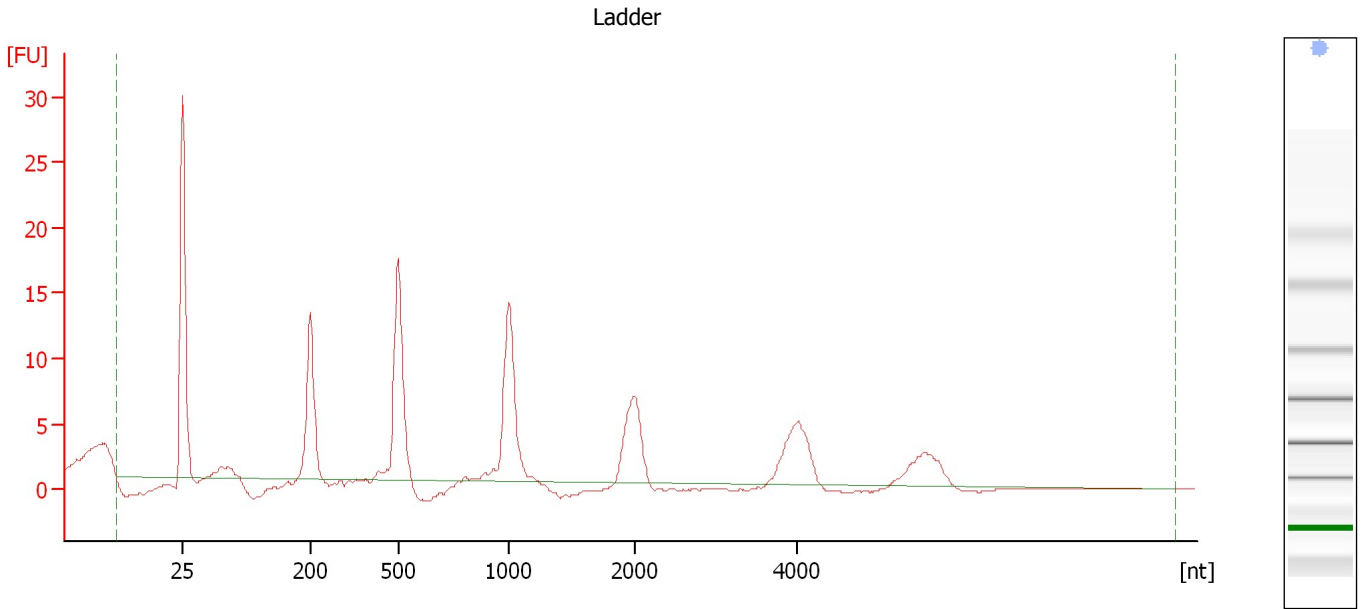
Ladder

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\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary



Overall Results for Ladder

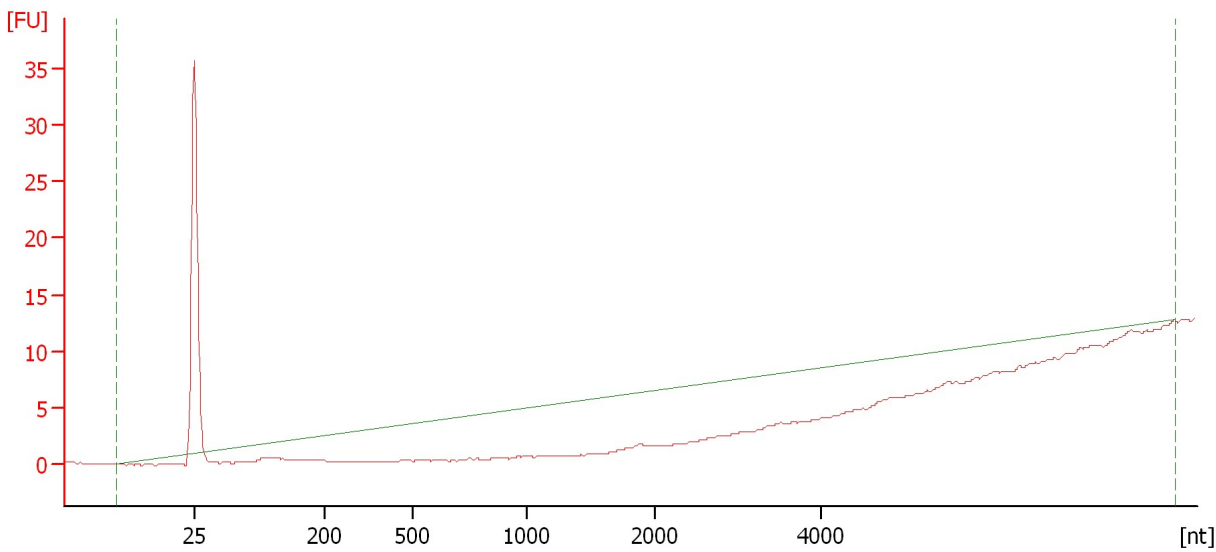
RNA Area:	101.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad


Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 1



Overall Results for sample 1 : Sample 1

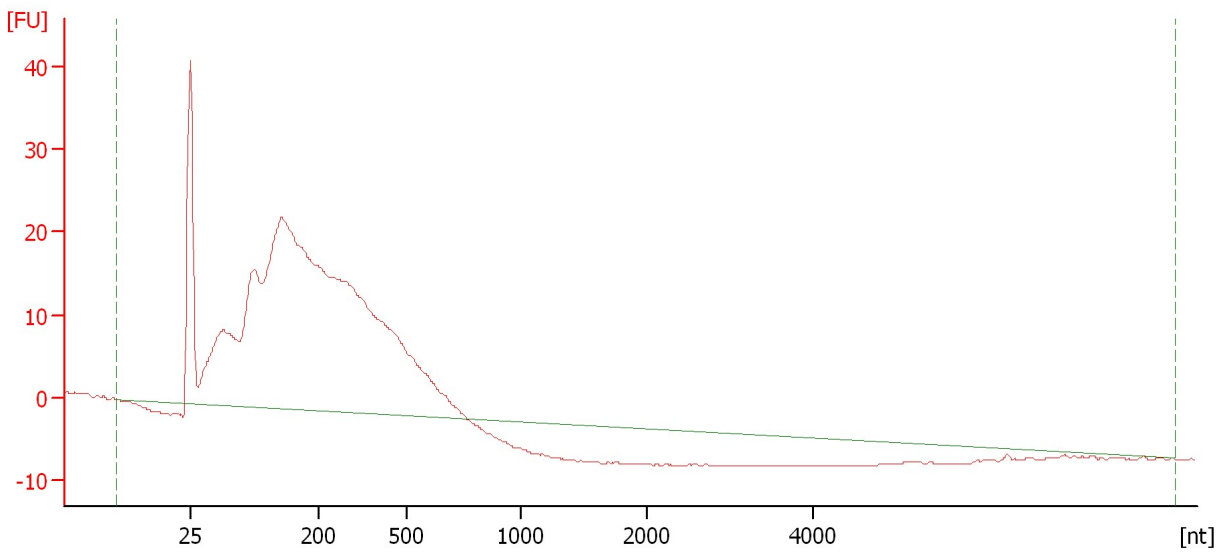
RNA Area:	0.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	0 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad


Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

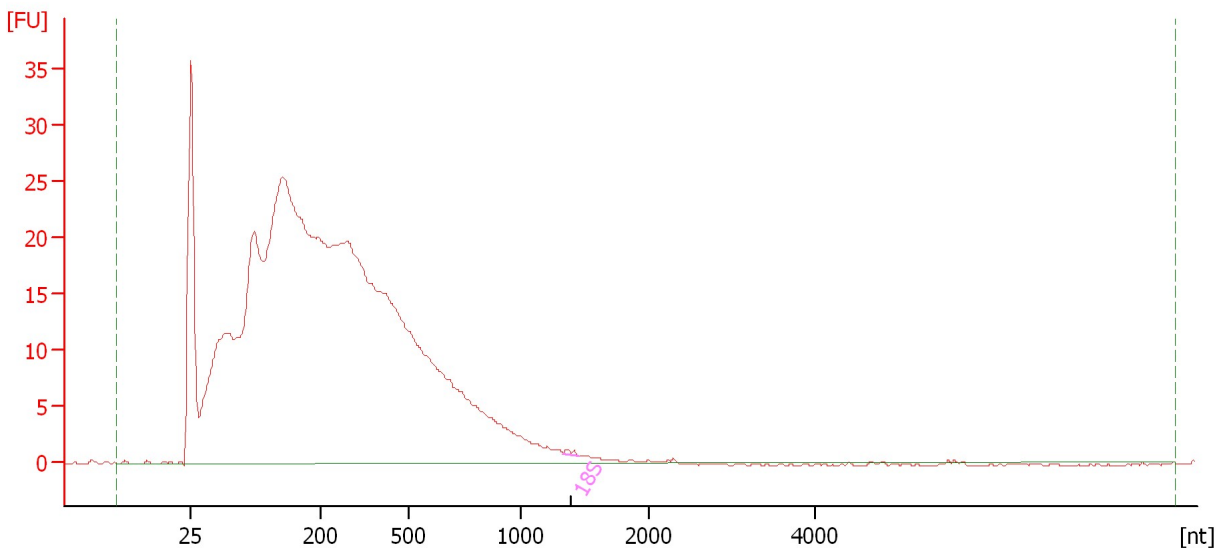
RNA Area:	507.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,021 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

RNA Area:	683.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	6,763 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 3 : Sample 3

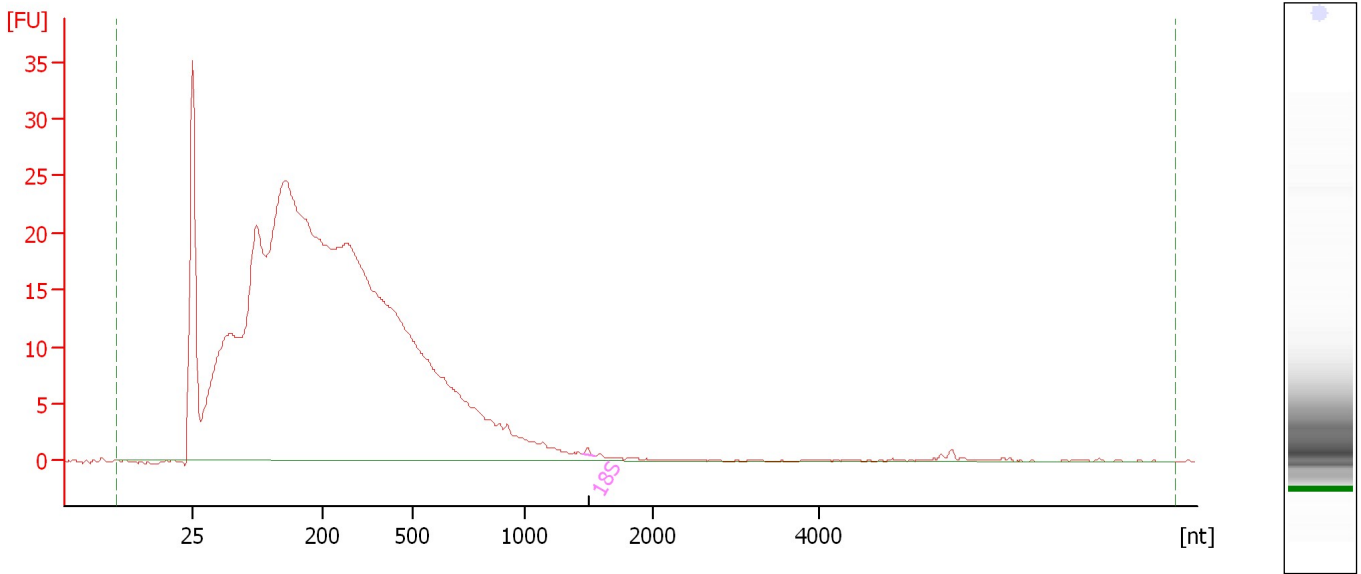
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,330	1,448	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

RNA Area:	651.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	6,443 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 4 : Sample 4

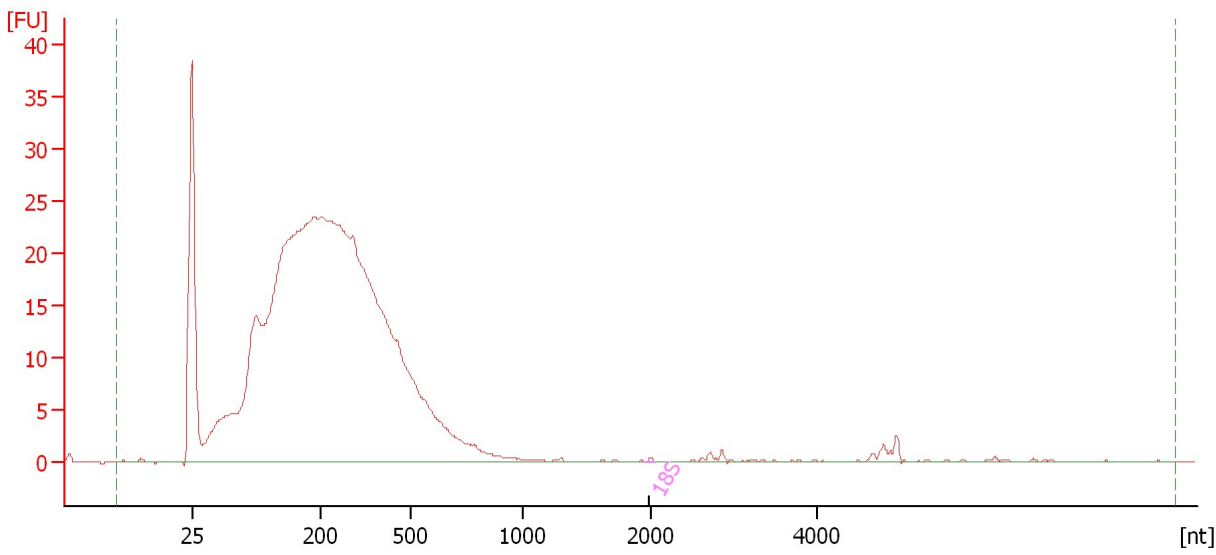
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,451	1,552	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

RNA Area:	552.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	5,465 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 5 : Sample 5

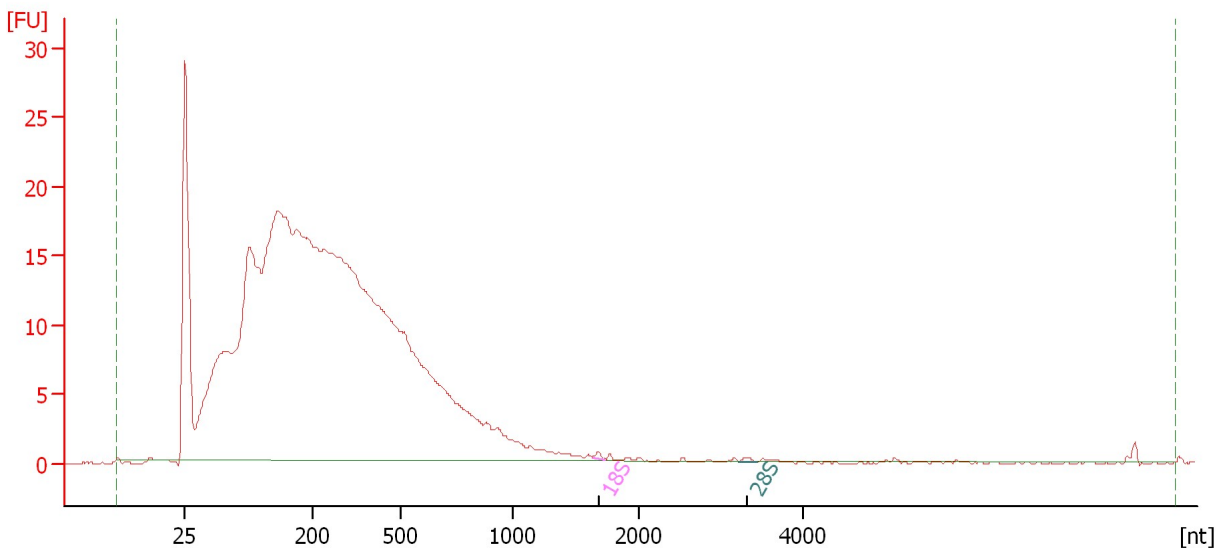
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,954	2,058	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

RNA Area:	503.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	4,976 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 2.40

Fragment table for sample 6 : Sample 6

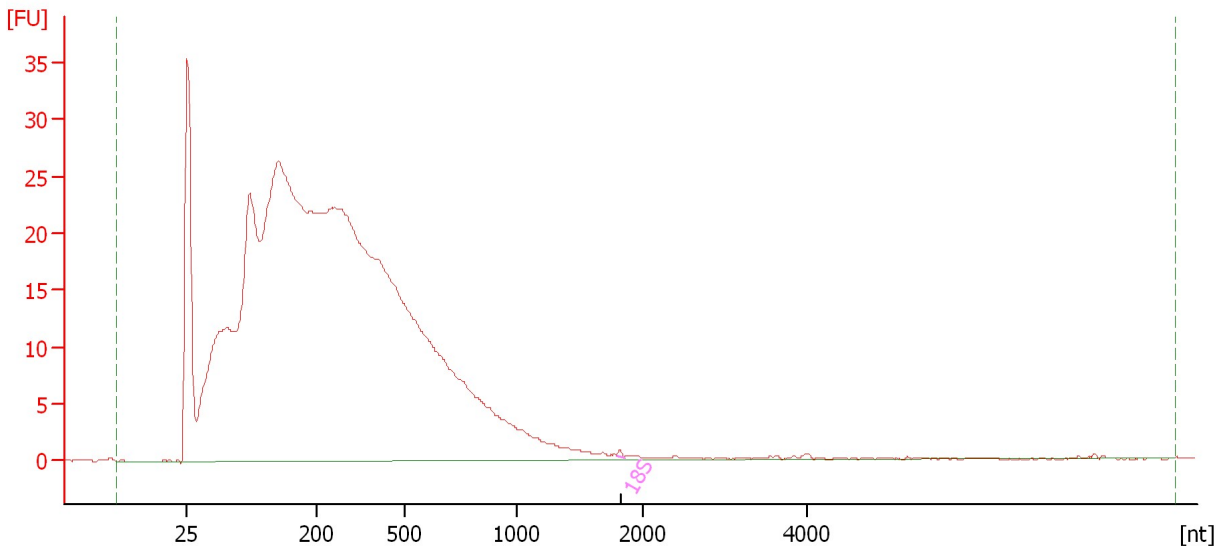
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	1,728	0.3	0.1
28S	3,225	3,446	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

RNA Area:	758.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	7,505 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 7 : Sample 7

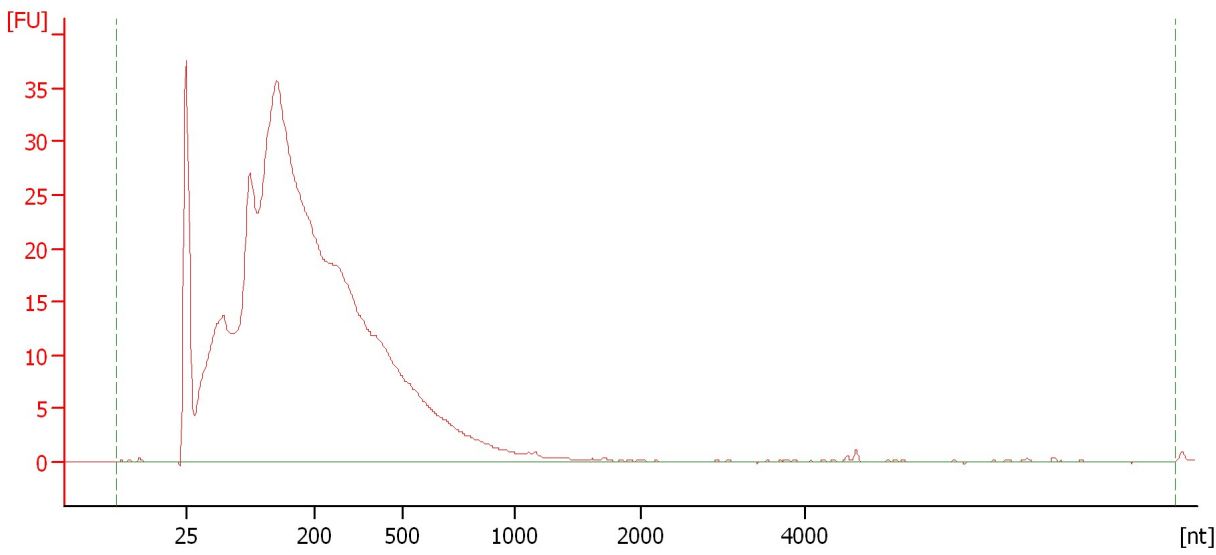
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,790	1,858	0.3	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

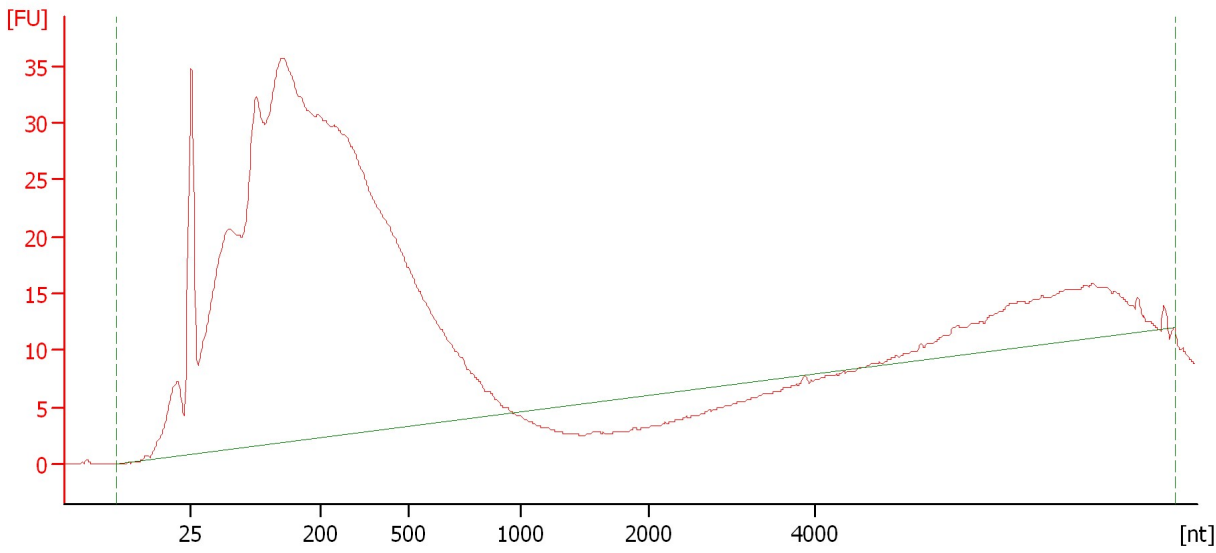
RNA Area:	690.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	6,829 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad


Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 9



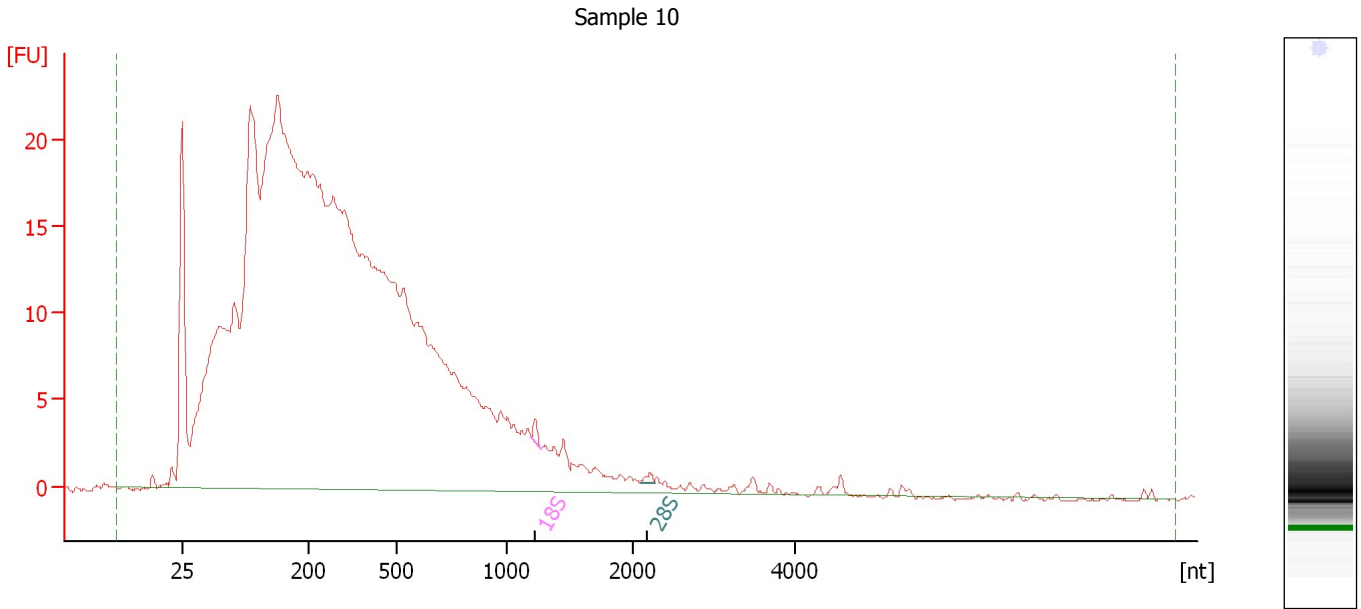
Overall Results for sample 9 : Sample 9

RNA Area:	979.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9,684 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	646.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	6,394 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 2.30

Fragment table for sample 10 : Sample 10

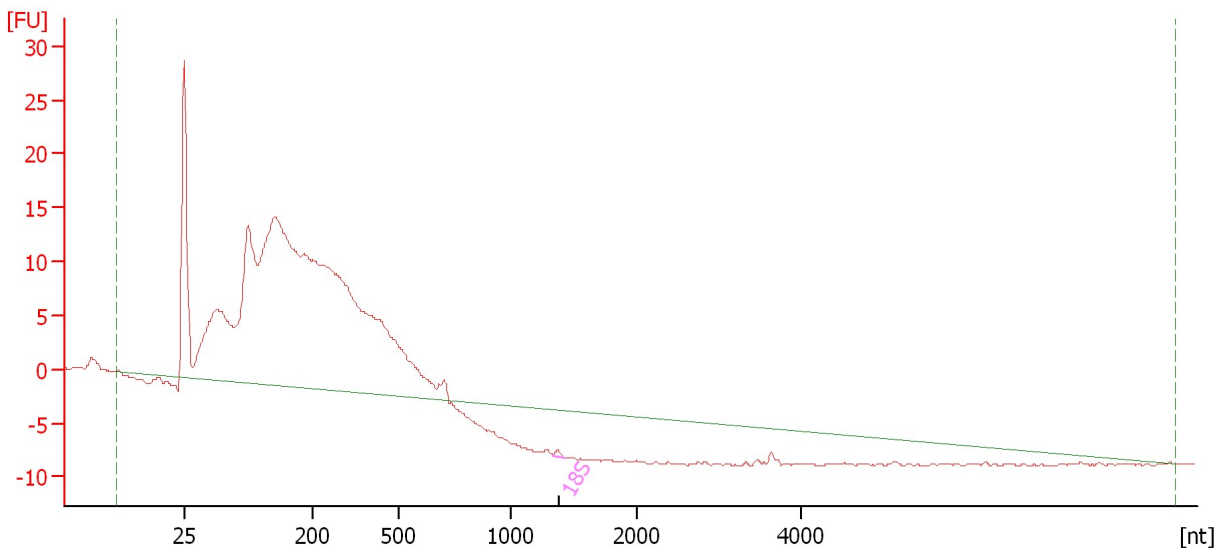
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,195	1,262	0.7	0.1
28S	2,103	2,274	0.5	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	340.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,365 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

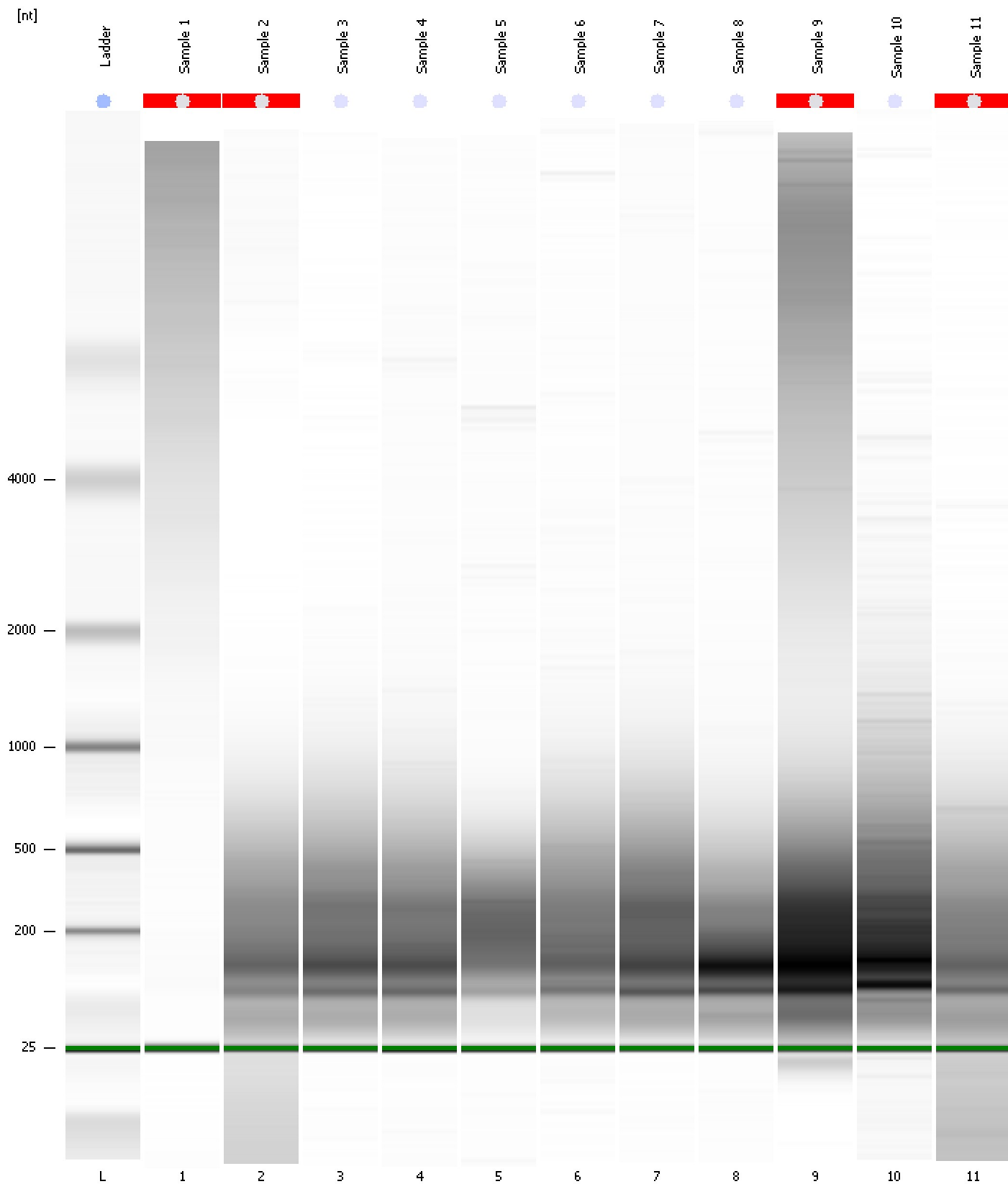
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,335	1,429	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
Modified: 11/29/2012 4:10:24 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad

Created: 11/29/2012 3:46:02 PM
 Modified: 11/29/2012 4:10:24 PM

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		11/29/2012 4:08:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-11-29\2012-11-29_001.xad)		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/29/2012 3:46:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1