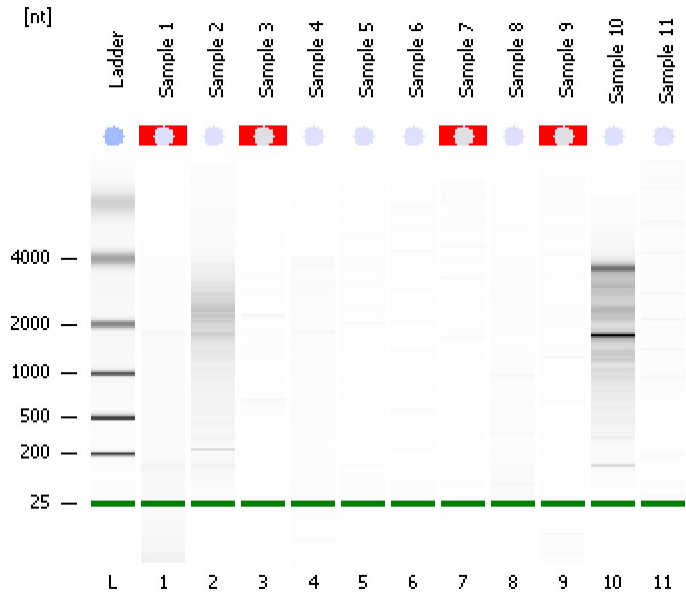


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electrophoresis File Run Summary



Instrument Information:

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

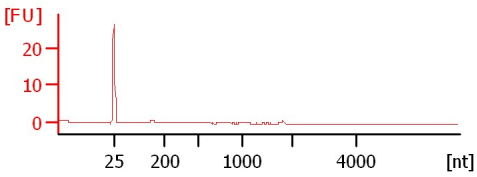
Assay Information:

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.

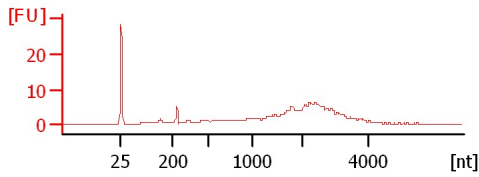
Chip Information:

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

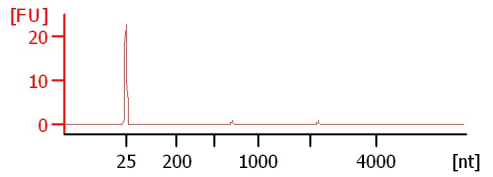
Sample 1
RIN: 5.90



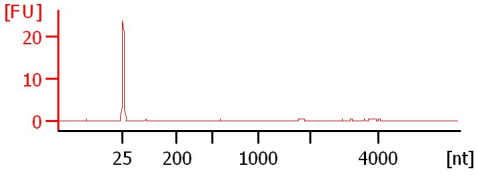
Sample 2
RIN: 2.30



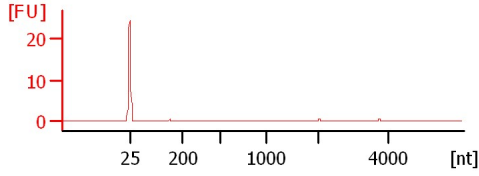
Sample 3
RIN N/A



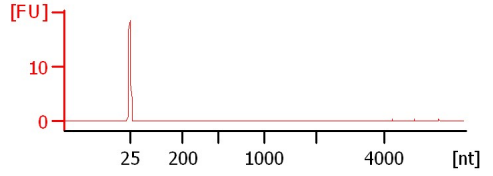
Sample 4
RIN: 1



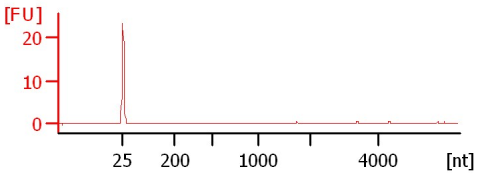
Sample 5
RIN: 1



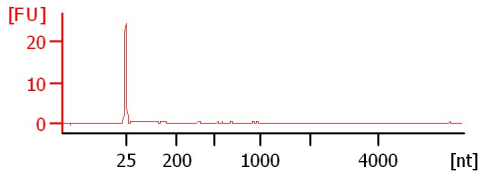
Sample 6
RIN: 1



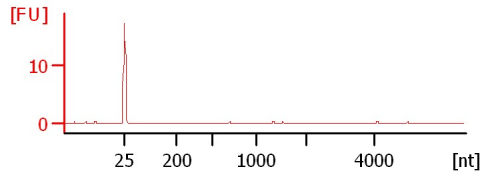
Sample 7
RIN N/A



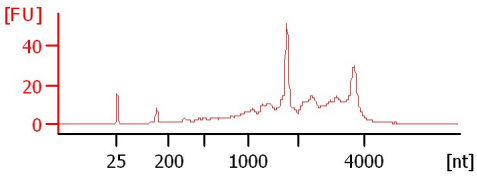
Sample 8
RIN: 4.80



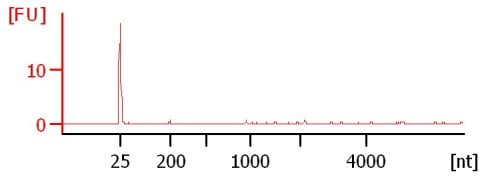
Sample 9
RIN N/A



Sample 10
RIN: 6.50















Sample 11
RIN: 6.50



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
 Modified: 6/4/2015 3:19:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1			RIN: 5.90	
Sample 2			RIN: 2.30	
Sample 3			RIN N/A	
Sample 4			RIN:1	
Sample 5			RIN:1	
Sample 6			RIN:1	
Sample 7			RIN N/A	
Sample 8			RIN: 4.80	
Sample 9			RIN N/A	
Sample 10			RIN: 6.50	
Sample 11			RIN: 6.50	
Ladder			All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 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

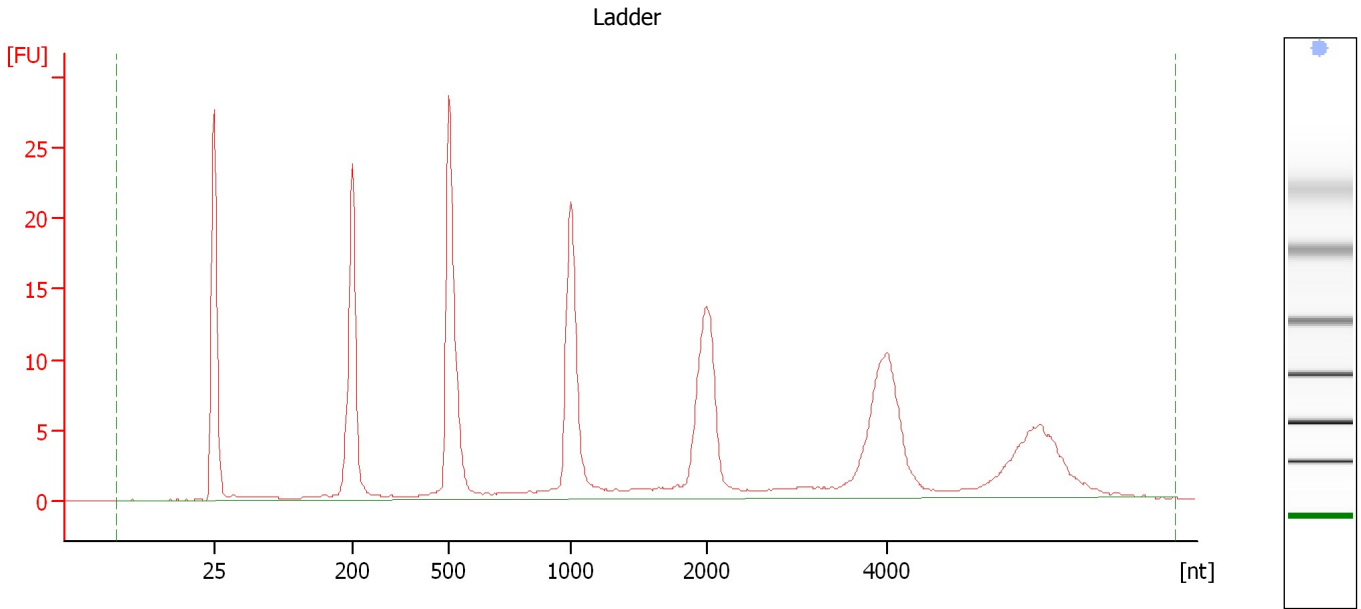
Ladder

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\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary



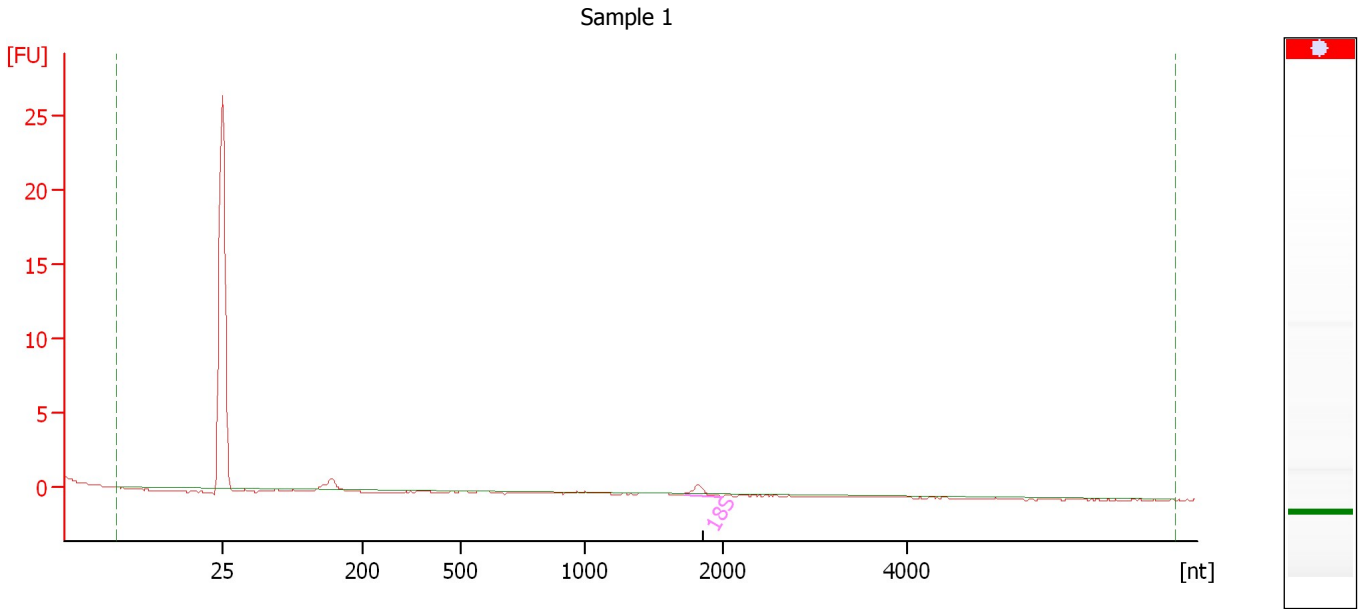
Overall Results for Ladder

RNA Area:	215.7	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\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	2.4	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	11 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

Fragment table for sample 1 : Sample 1

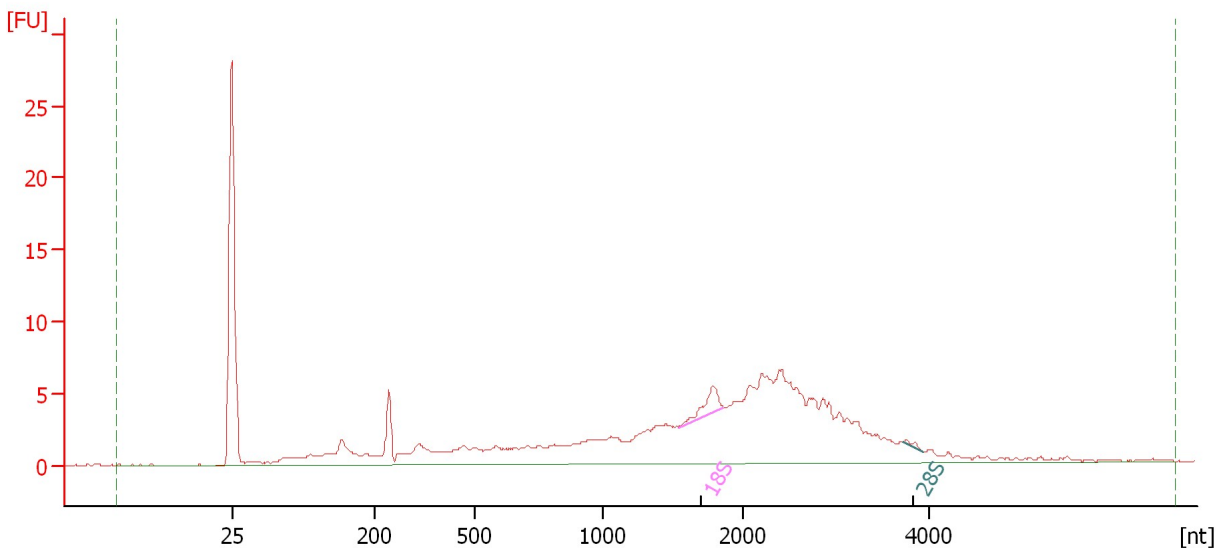
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	1,987	0.8	33.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

RNA Area: 149.3 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 692 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.30

Fragment table for sample 2 : Sample 2

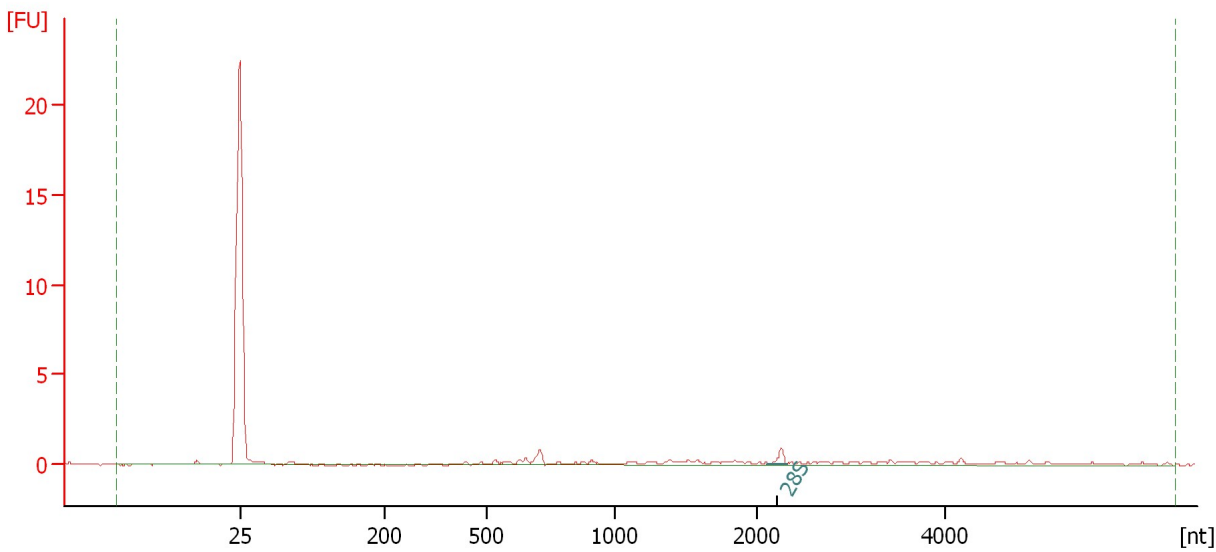
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,868	2.7	1.8
28S	3,721	3,951	0.4	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

RNA Area:	9.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	42 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : Sample 3

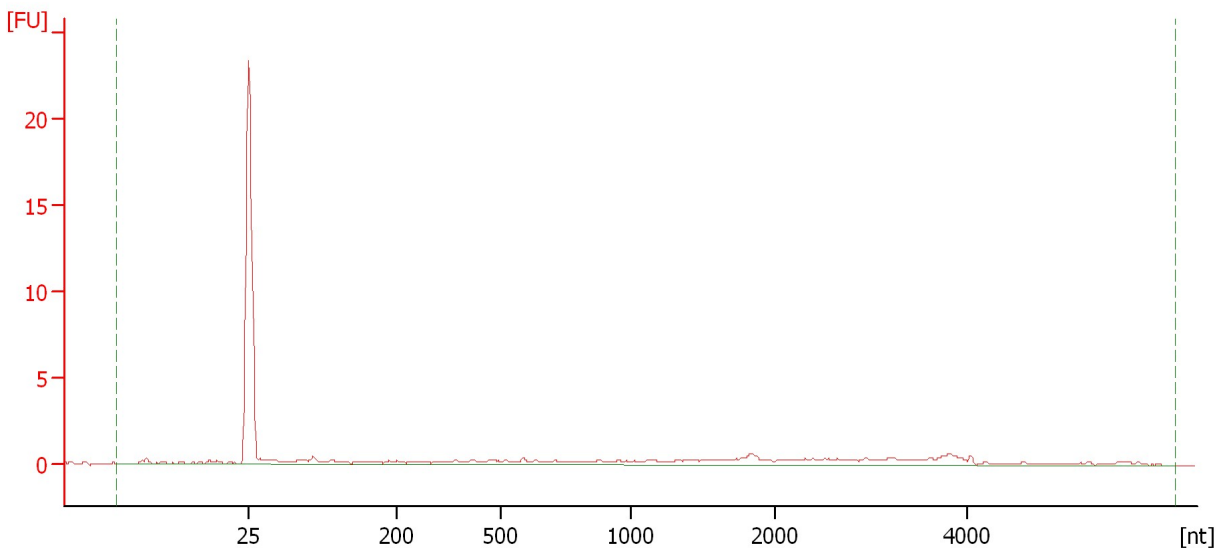
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,113	2,317	0.6	6.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

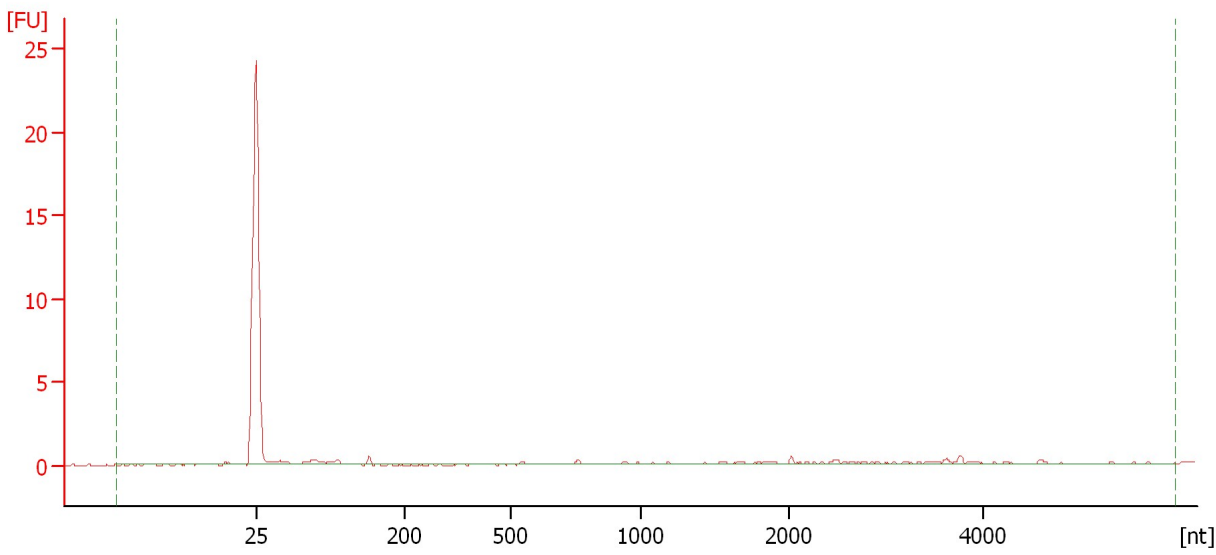
RNA Area:	22.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	104 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

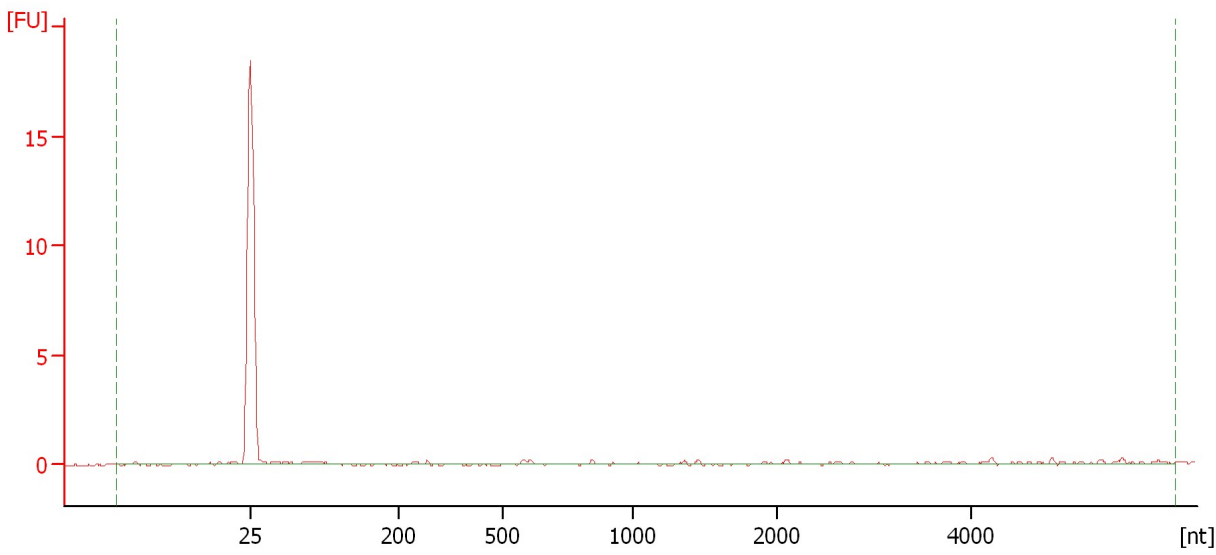
RNA Area:	5.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	27 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

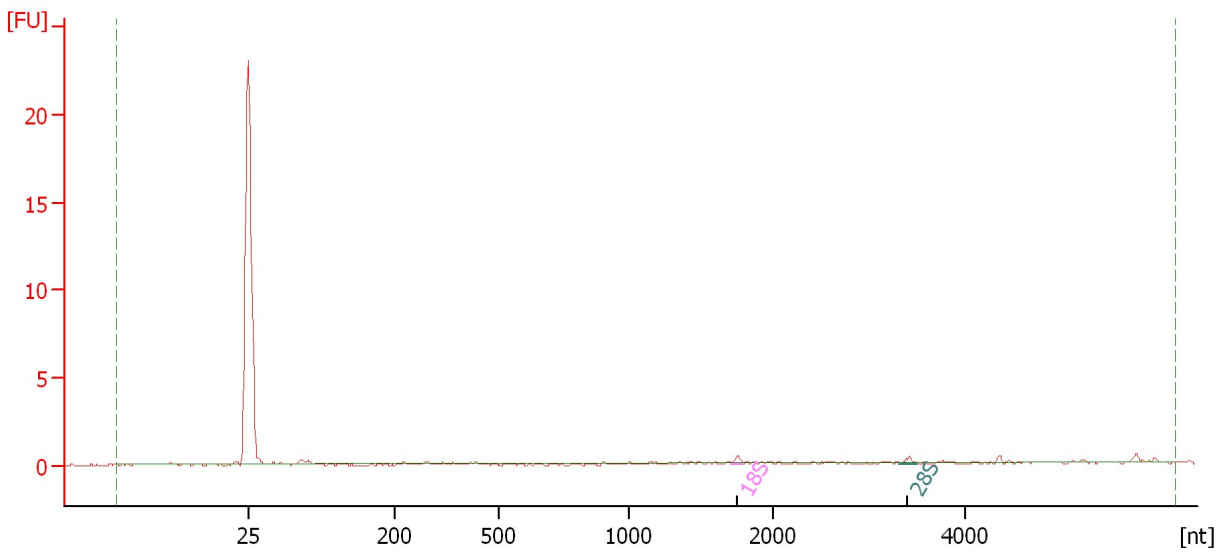
RNA Area:	3.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	15 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
 Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

RNA Area:	1.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : Sample 7

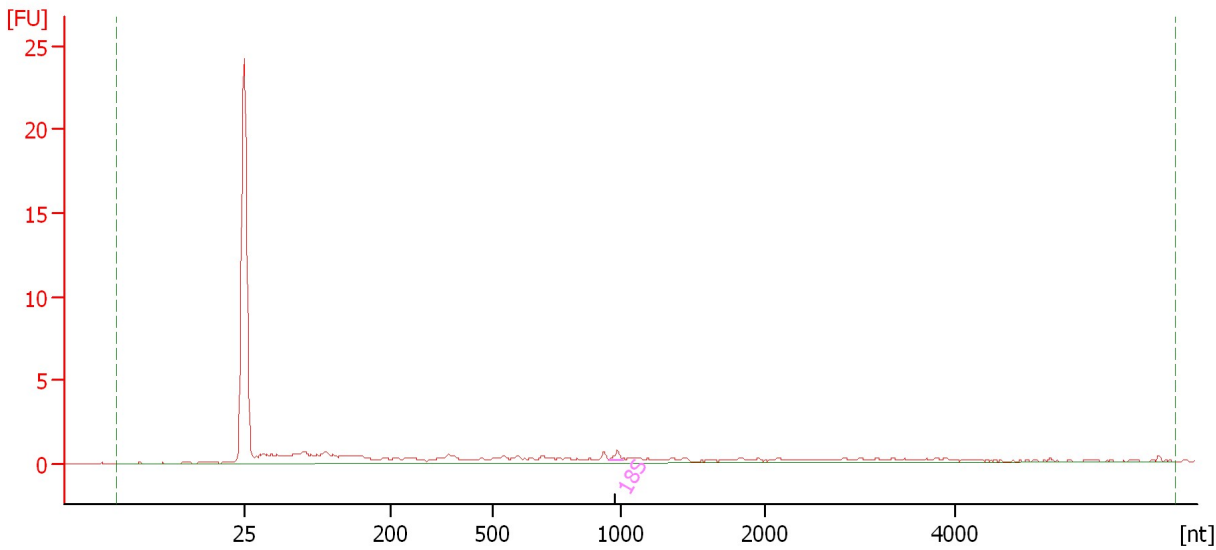
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,788	0.2	13.1
28S	3,309	3,488	0.3	13.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

RNA Area:	25.3	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	117 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.80

Fragment table for sample 8 : Sample 8

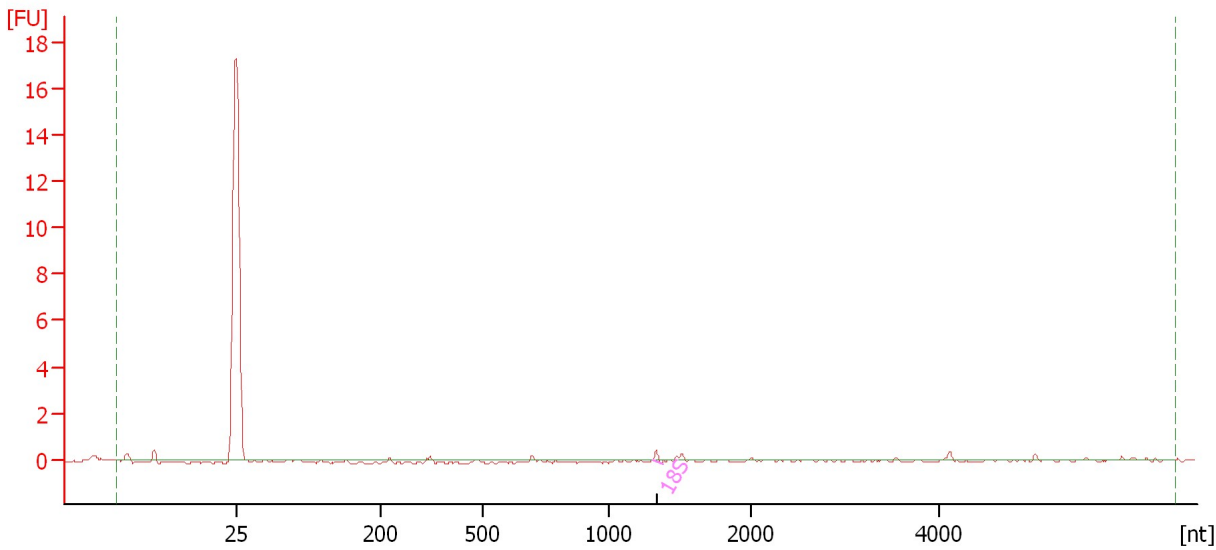
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	948	1,004	0.4	1.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	1.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

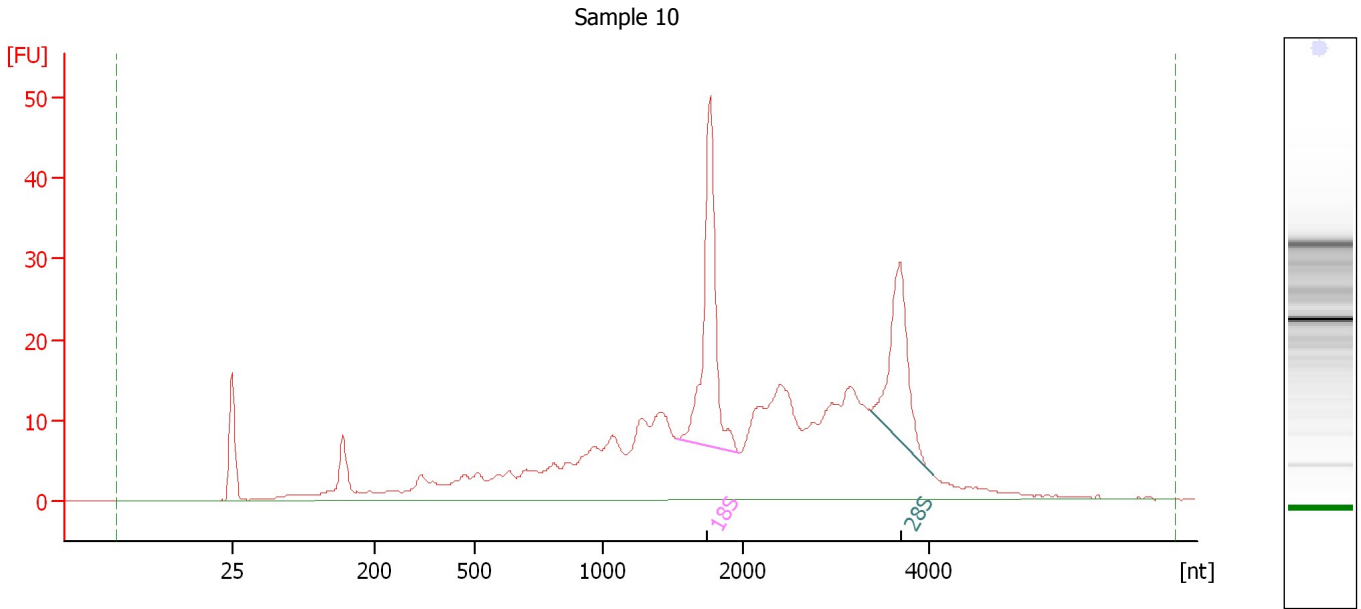
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,312	1,372	0.2	11.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	490.8	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	2,276 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.50

Fragment table for sample 10 : Sample 10

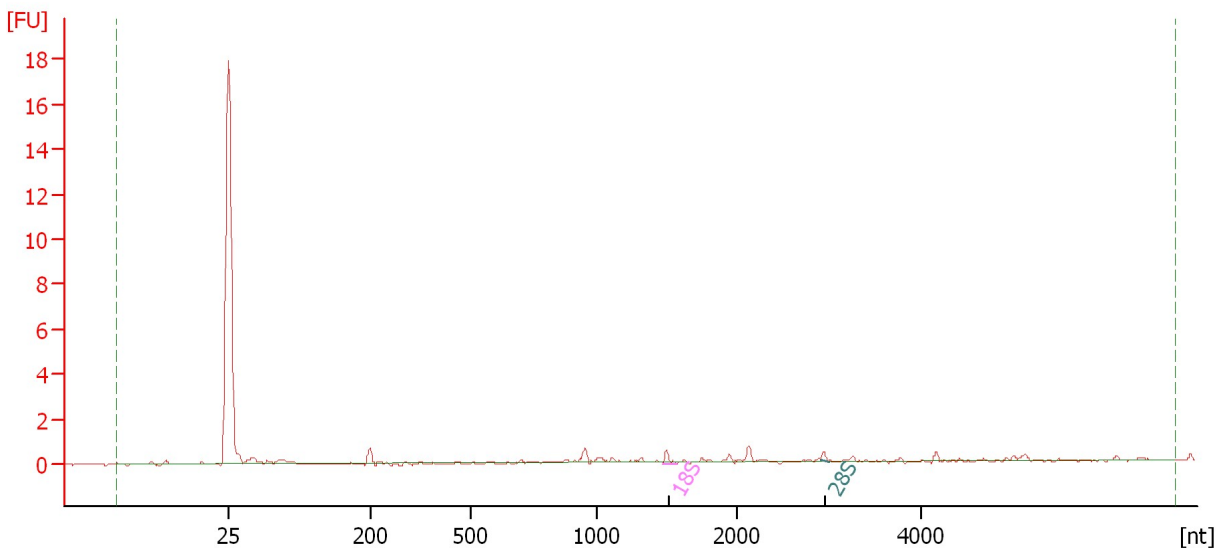
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,982	55.9	11.4
28S	3,376	4,054	36.8	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	5.2	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	24 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.50

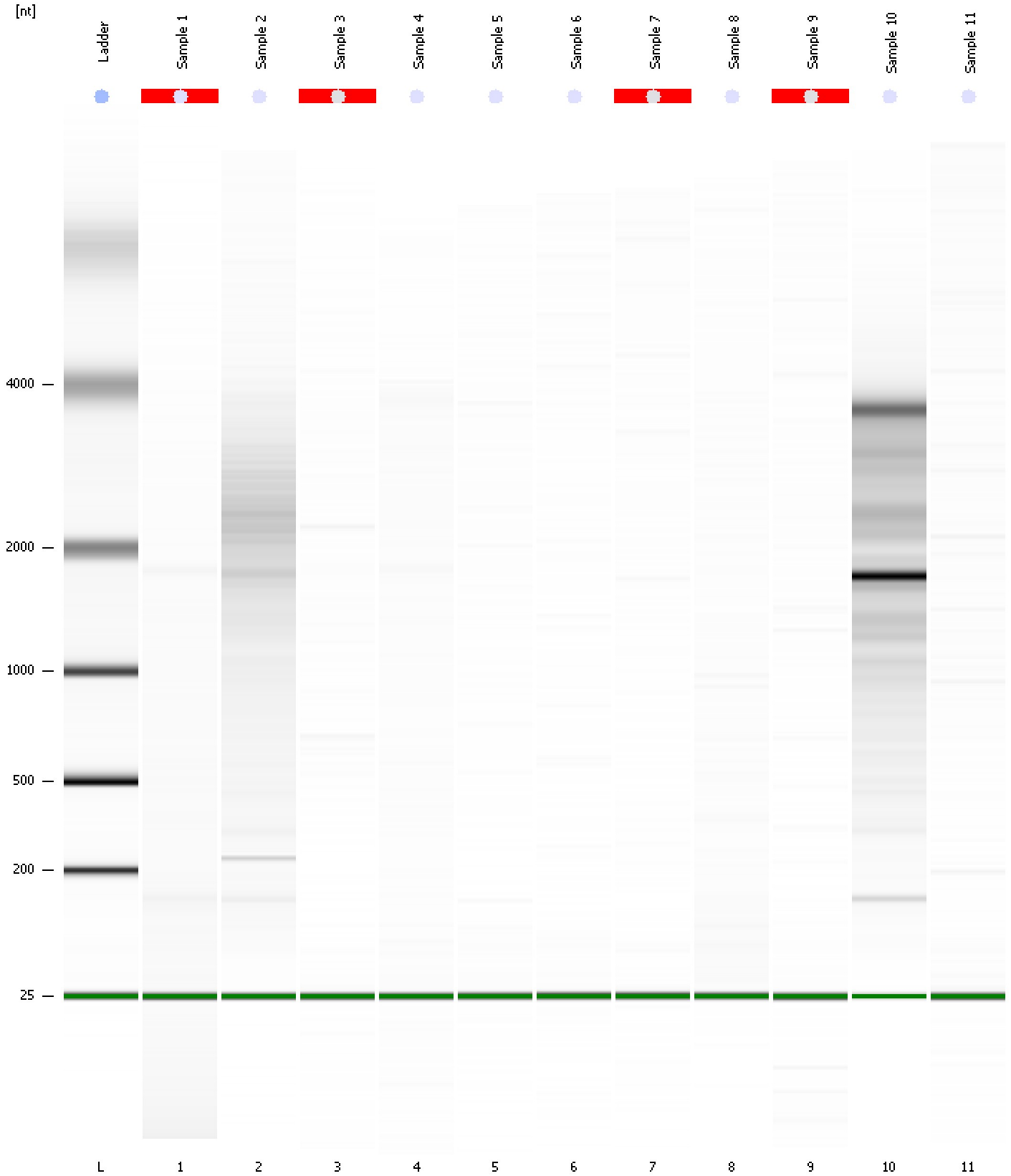
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,476	1,575	0.3	5.6
28S	2,909	3,001	0.2	3.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-04\2015-06-04_003.xad

Created: 6/4/2015 2:56:20 PM
Modified: 6/4/2015 3:19:13 PM

Curves

Standard Curve

