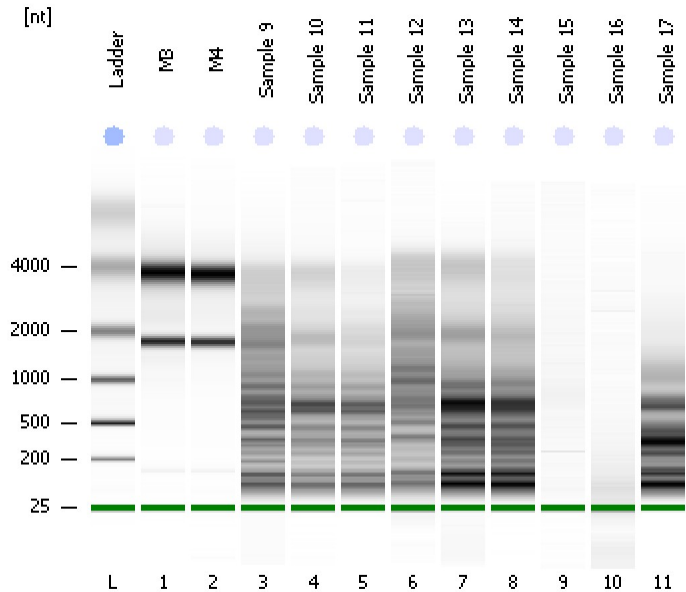


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electrophoresis File Run Summary



Instrument Information:

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

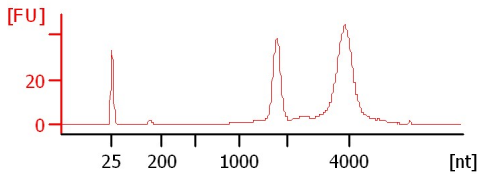
Assay Information:

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.

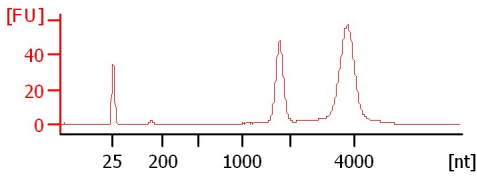
Chip Information:

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

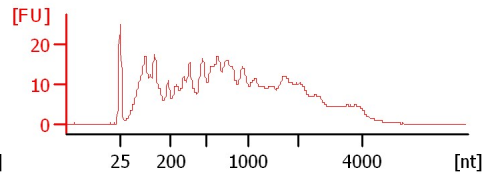
M3
RIN: 10



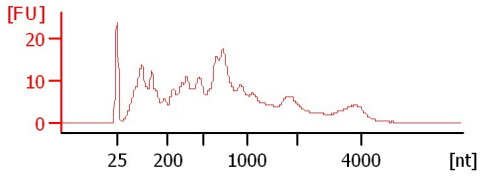
M4
RIN: 10



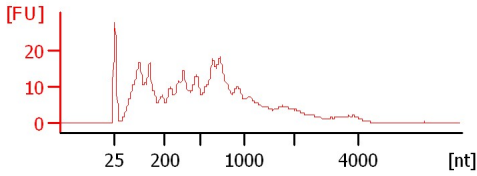
Sample 9
RIN: 2.90



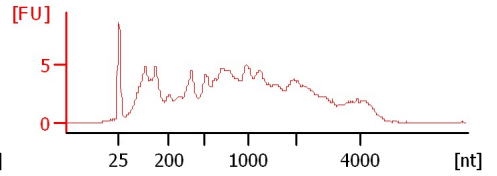
Sample 10
RIN: 2.70



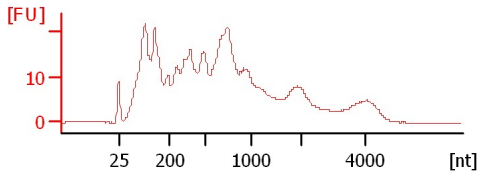
Sample 11
RIN: 2.50



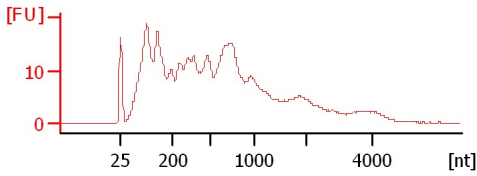
Sample 12
RIN: 2.80



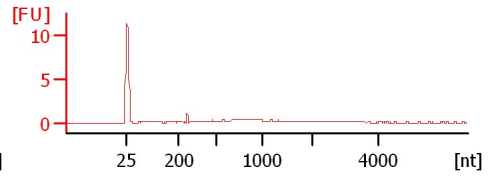
Sample 13
RIN: 2.50



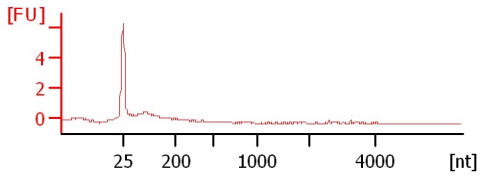
Sample 14
RIN: 2.60



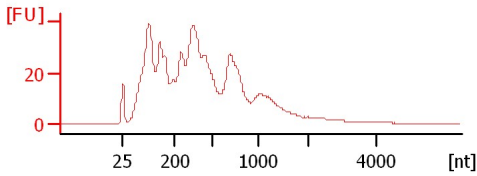
Sample 15
RIN: 1.10



Sample 16
RIN: 1.20



Sample 17
RIN: 2.60



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
M3		✓	RIN:10	
M4		✓	RIN:10	
Sample 9		✓	RIN: 2.90	
Sample 10		✓	RIN: 2.70	
Sample 11		✓	RIN: 2.50	
Sample 12		✓	RIN: 2.80	
Sample 13		✓	RIN: 2.50	
Sample 14		✓	RIN: 2.60	
Sample 15		✓	RIN: 1.10	
Sample 16		✓	RIN: 1.20	
Sample 17		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

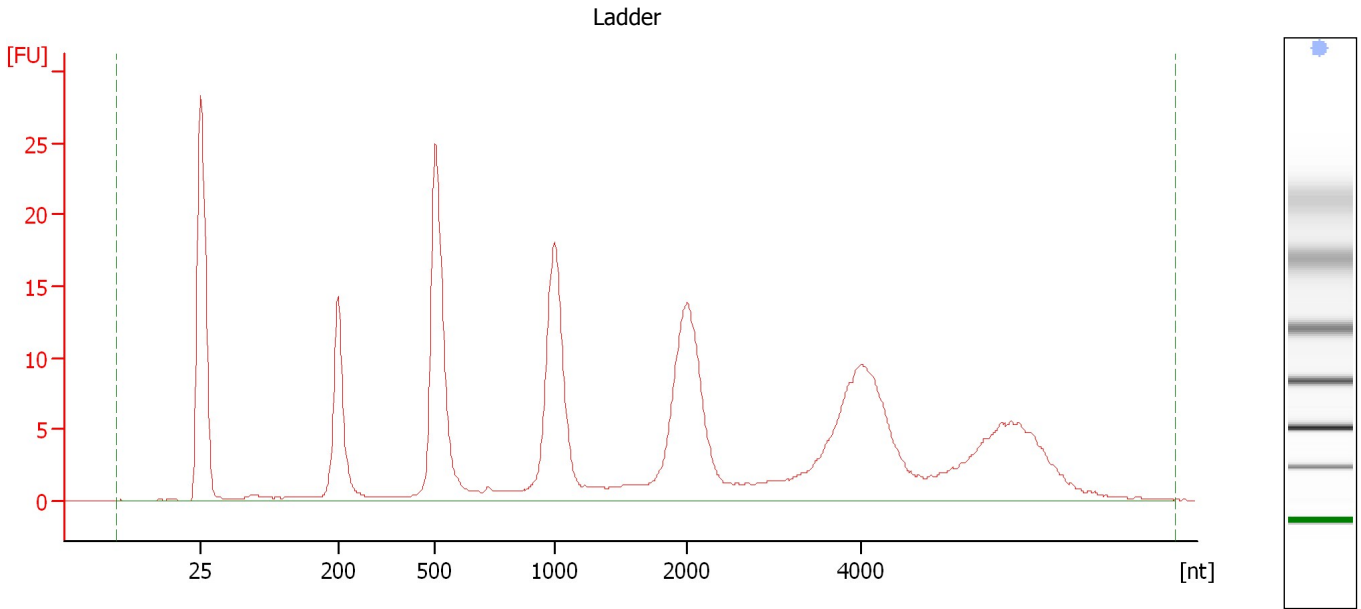
Ladder

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\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary



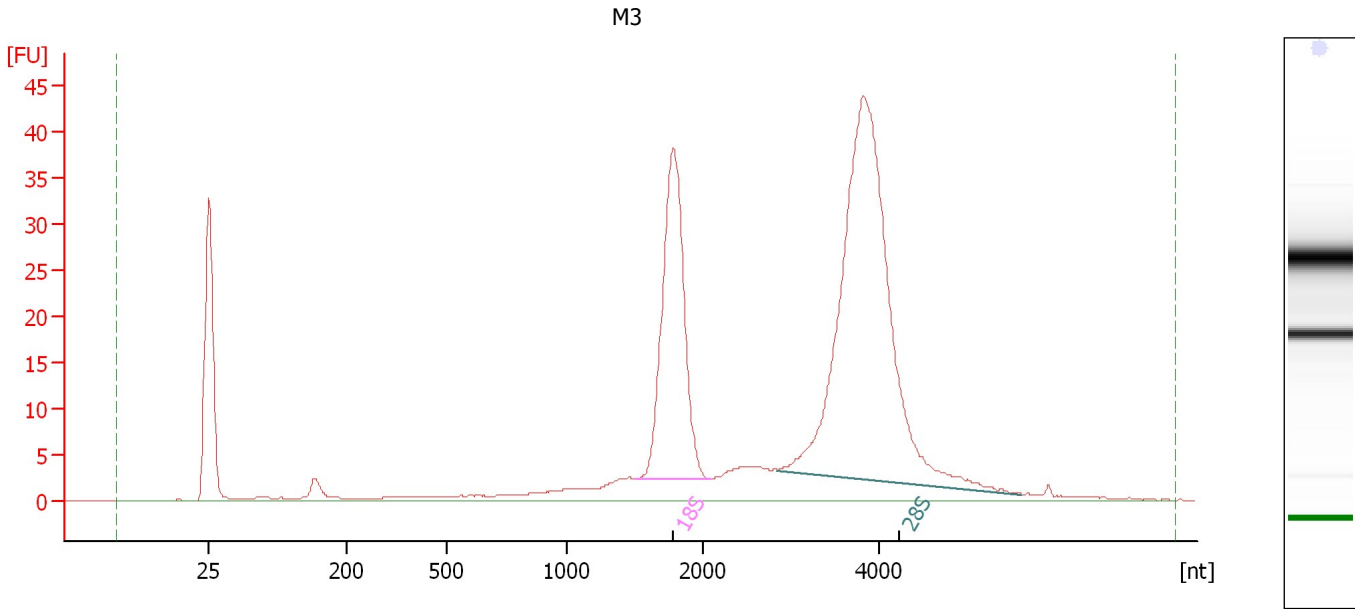
Overall Results for Ladder

RNA Area:	286.7	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\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : M3

RNA Area: 412.9 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 1,440 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

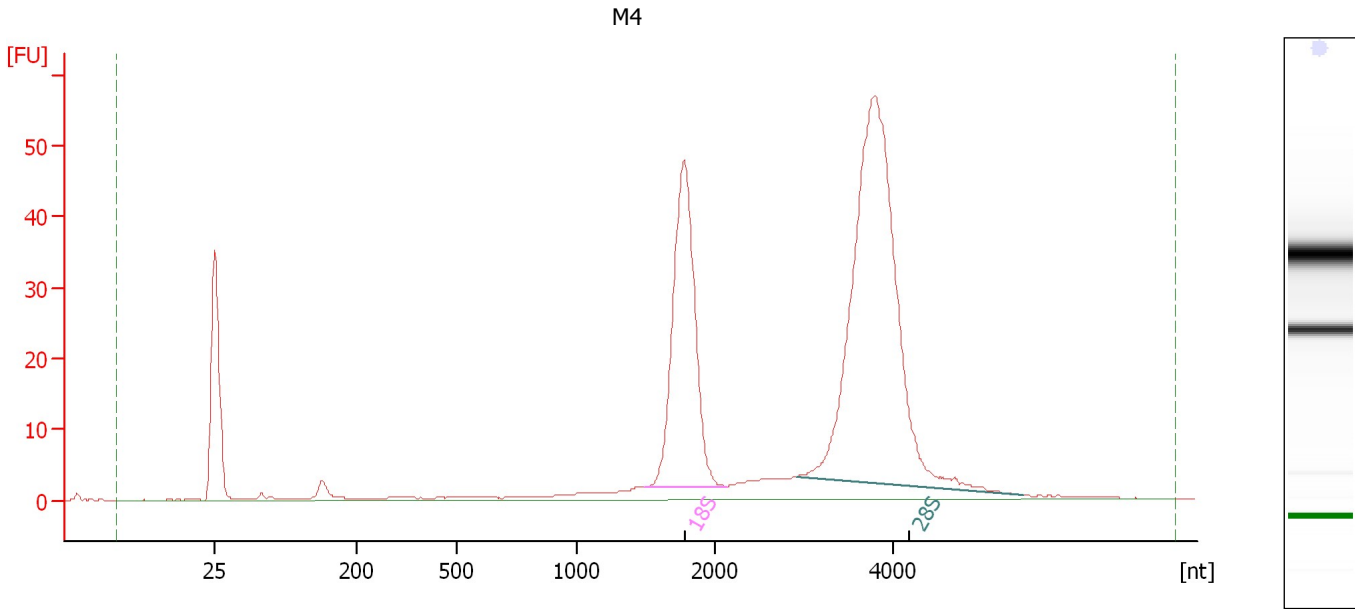
Fragment table for sample 1 : M3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	2,099	92.9	22.5
28S	2,848	5,617	196.1	47.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : M4

RNA Area: 450.0 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 1,570 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN:10

Fragment table for sample 2 : M4

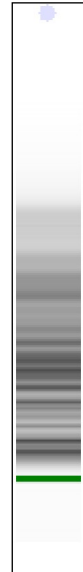
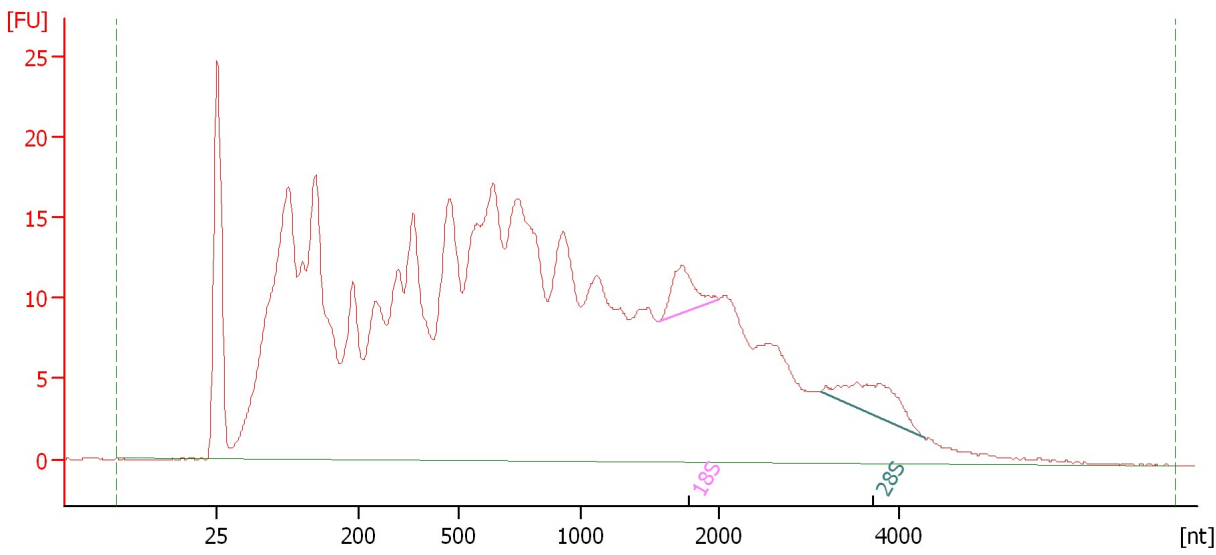
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	2,135	118.3	26.3
28S	2,923	5,443	233.3	51.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 3 : Sample 9

RNA Area: 807.2 RNA Integrity Number (RIN): 2.9 (B.02.08)
RNA Concentration: 2,816 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 2.90

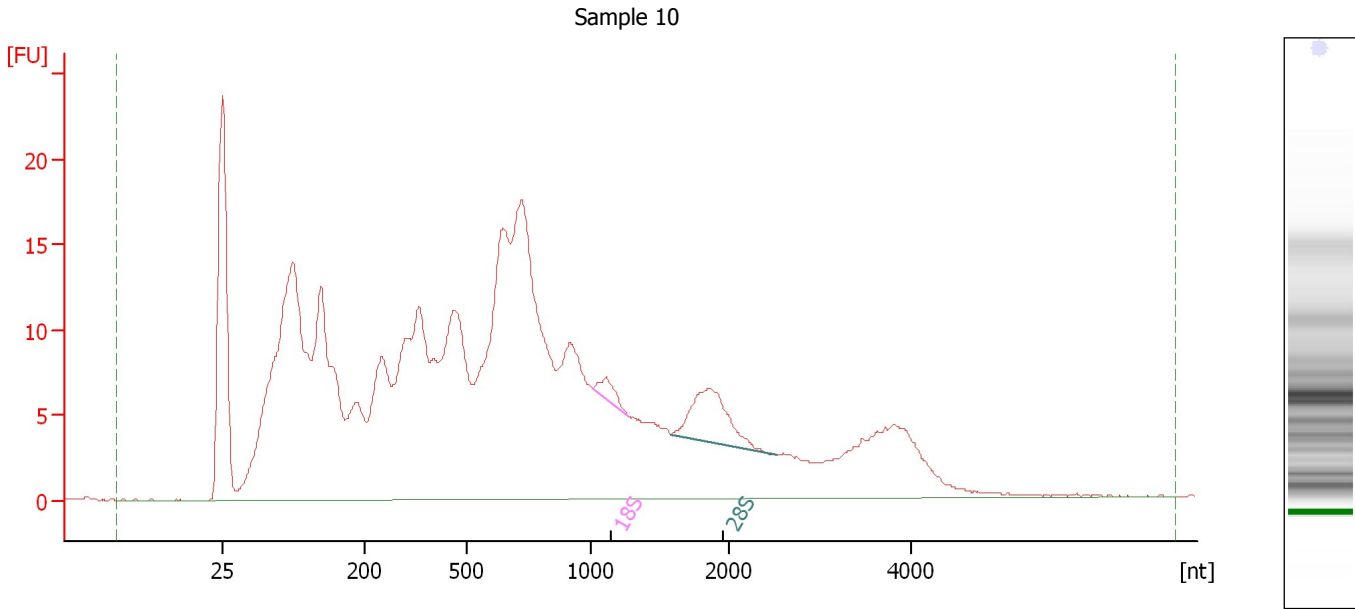
Fragment table for sample 3 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	2,005	7.8	1.0
28S	3,122	4,288	10.6	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 10

RNA Area:	567.0	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	1,978 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.5	Result Flagging Label:	RIN: 2.70

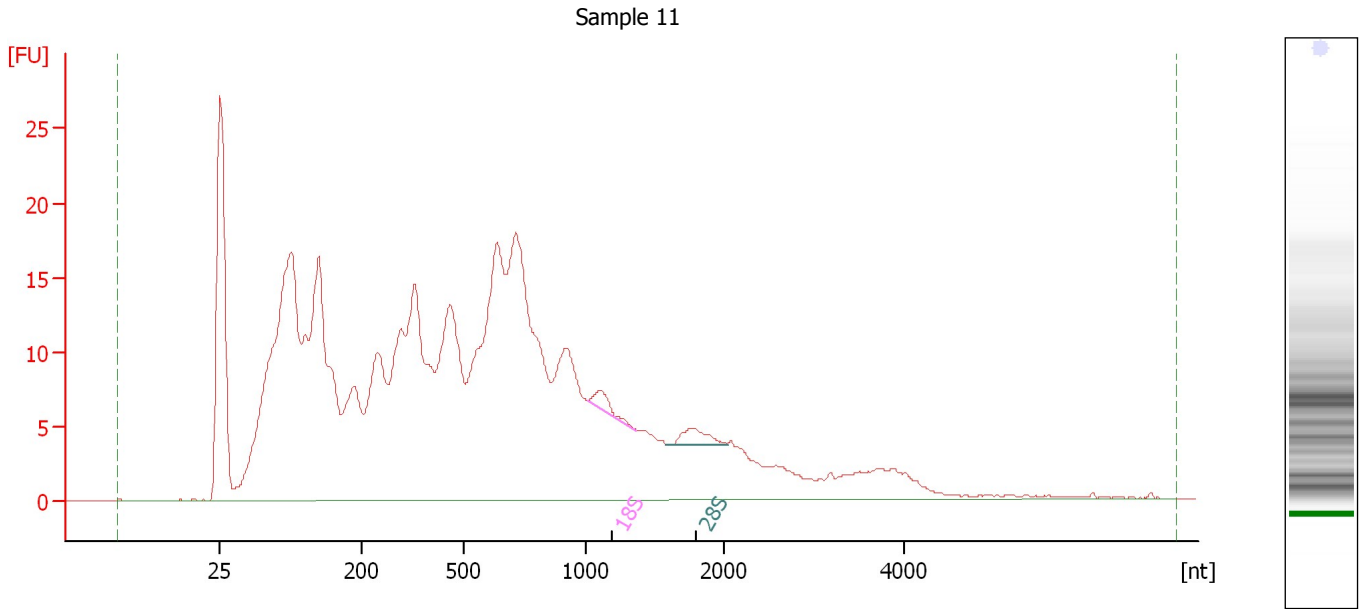
Fragment table for sample 4 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,022	1,283	2.4	0.4
28S	1,582	2,513	13.2	2.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
 Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 11

RNA Area:	613.0	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	2,138 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 2.50

Fragment table for sample 5 : Sample 11

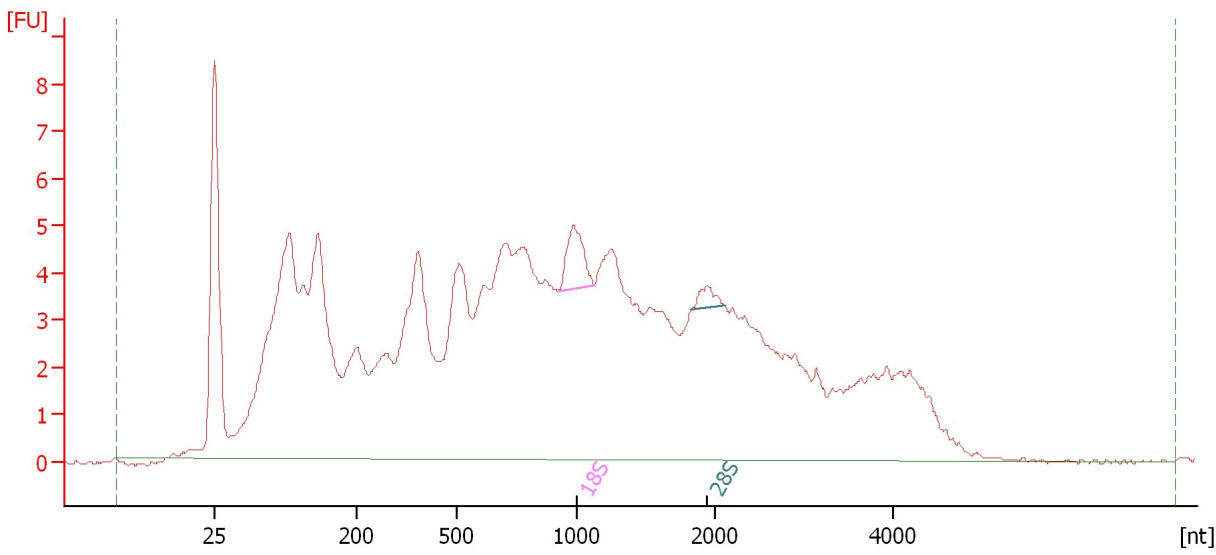
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,015	1,363	2.6	0.4
28S	1,579	2,029	3.5	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...

Sample 12



Overall Results for sample 6 : Sample 12

RNA Area: 247.5 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 863 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 2.80

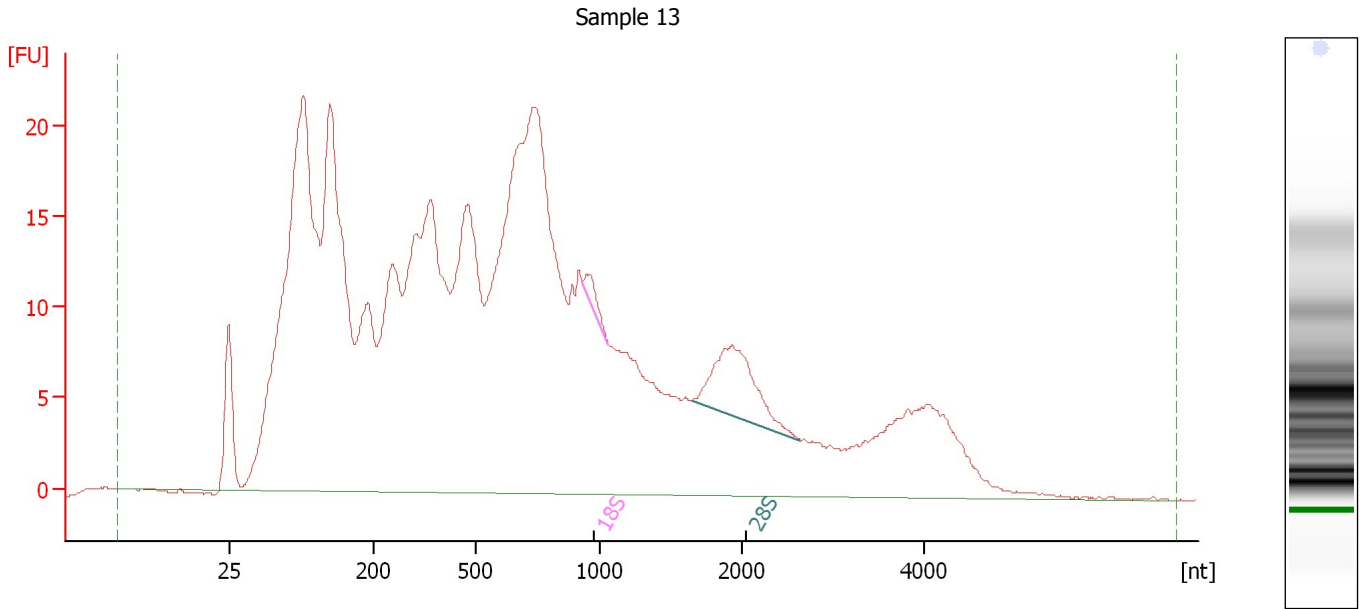
Fragment table for sample 6 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	920	1,123	2.9	1.2
28S	1,831	2,112	0.8	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 13

RNA Area: 817.0 RNA Integrity Number (RIN): 2.5 (B.02.08)
RNA Concentration: 2,850 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 8.8 Result Flagging Label: RIN: 2.50

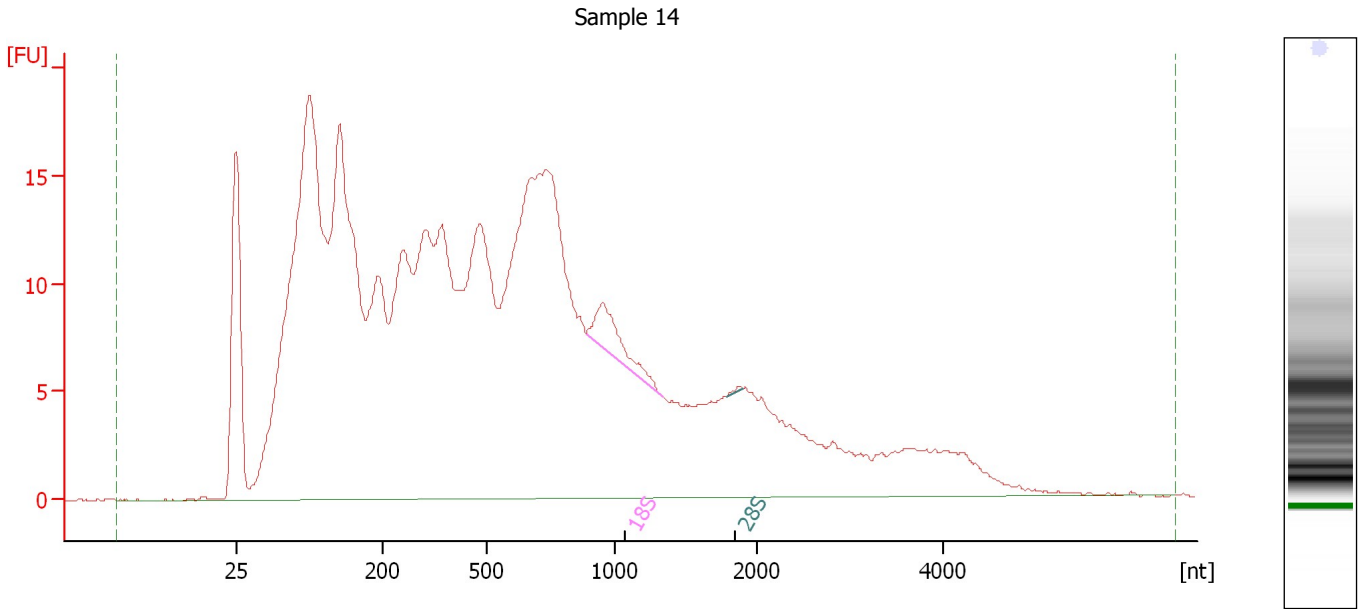
Fragment table for sample 7 : Sample 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	929	1,056	2.1	0.3
28S	1,656	2,649	18.0	2.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 14

RNA Area:	663.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	2,315 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 8 : Sample 14

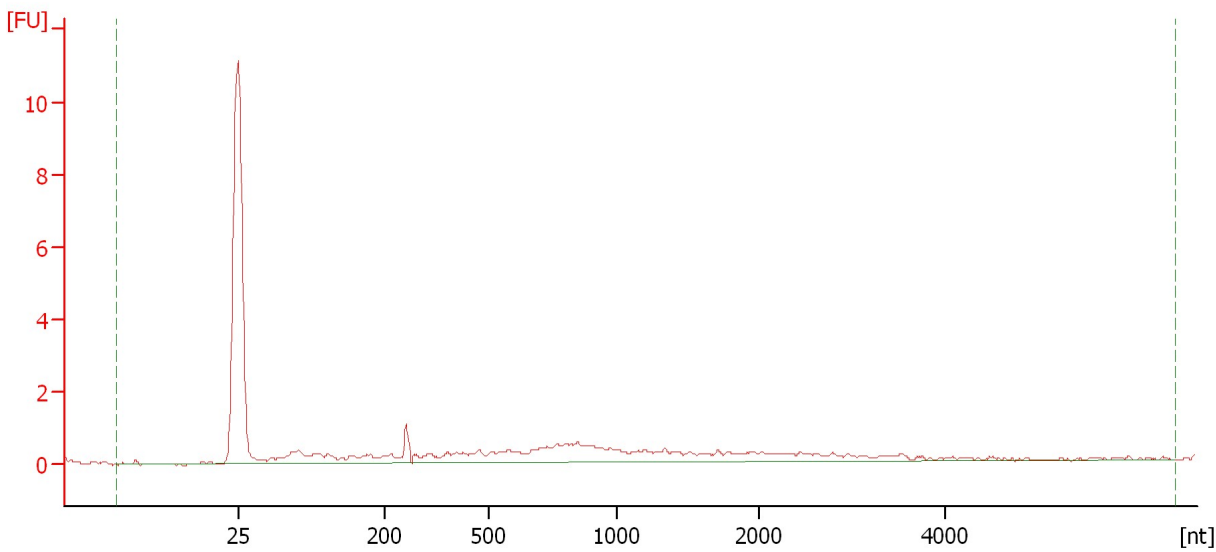
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	889	1,334	7.3	1.1
28S	1,783	1,902	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...

Sample 15



Overall Results for sample 9 : Sample 15

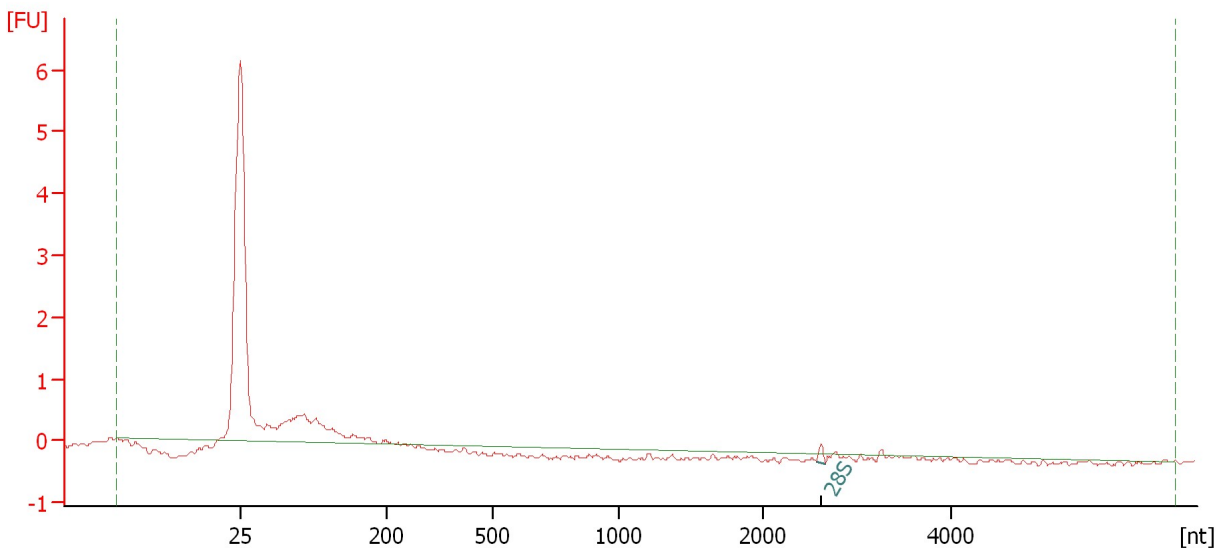
RNA Area:	21.0	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	73 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...

Sample 16



Overall Results for sample 10 : Sample 16

RNA Area:	5.1	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	18 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

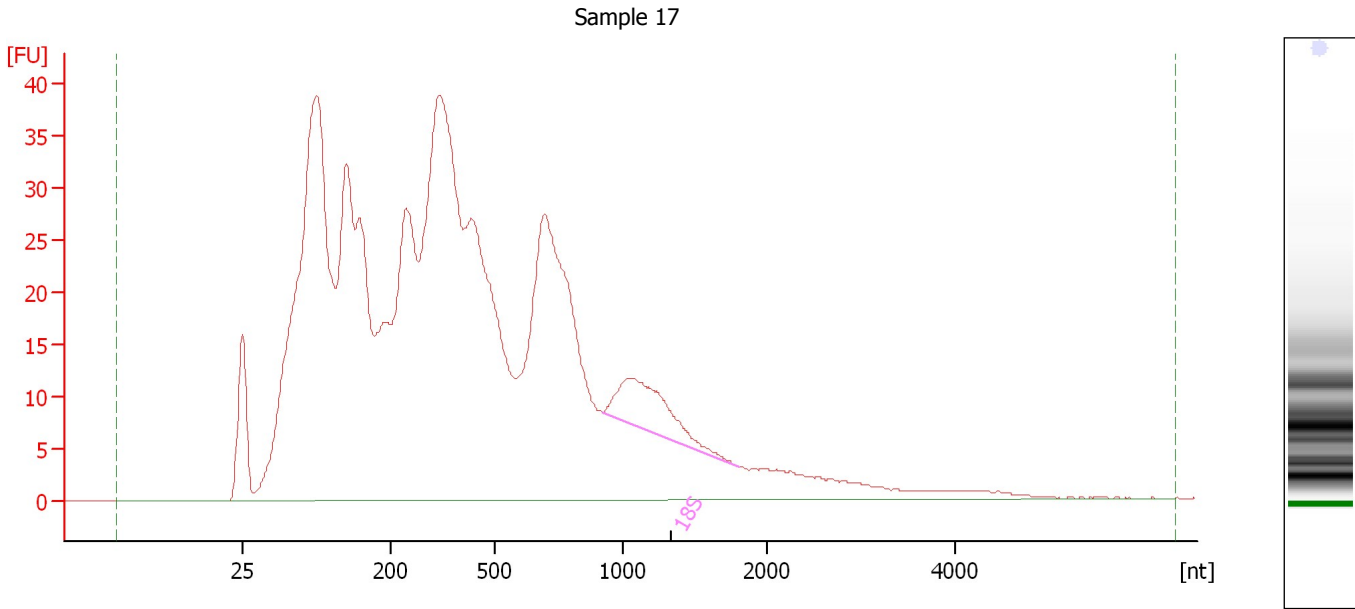
Fragment table for sample 10 : Sample 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,570	2,661	0.1	2.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 17

RNA Area:	1,178.8	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	4,112 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 11 : Sample 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	921	1,801	30.1	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_001.xad

Created: 5/14/2015 9:15:47 AM
Modified: 5/14/2015 9:38:42 AM

Gel Image

