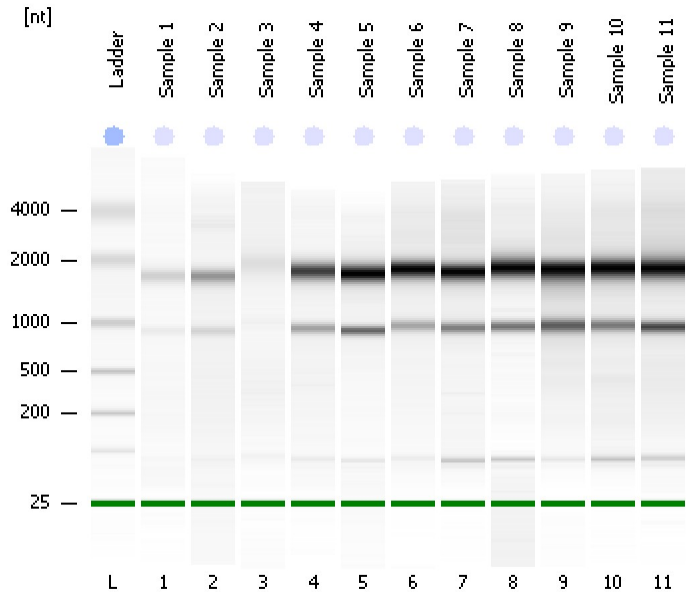


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electrophoresis File Run Summary



Instrument Information:

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

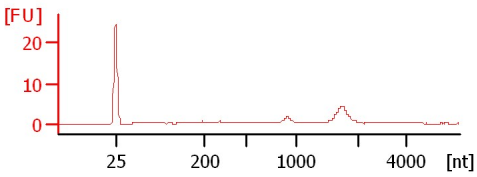
Assay Information:

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.

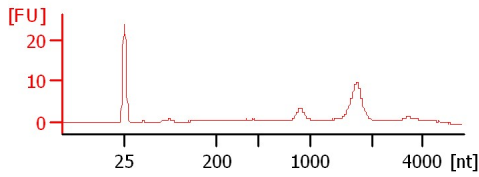
Chip Information:

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

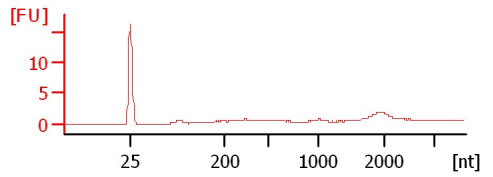
Sample 1
RIN: 7.10



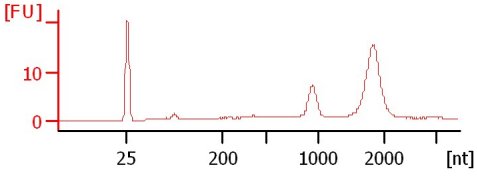
Sample 2
RIN: 8.20



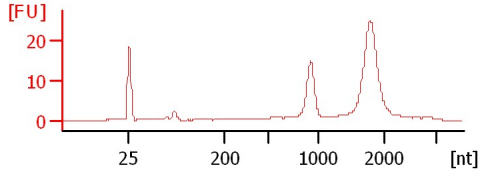
Sample 3
RIN: 6.40



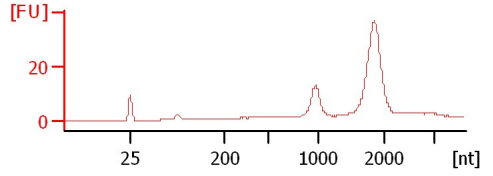
Sample 4
RIN: 9.10



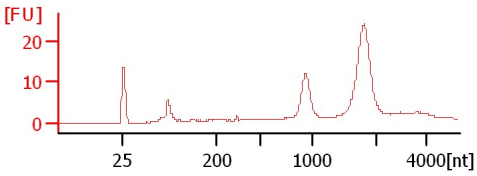
Sample 5
RIN: 10



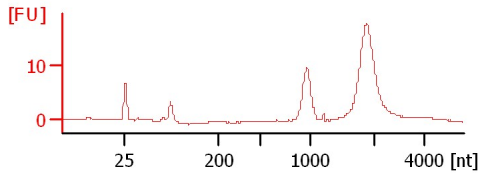
Sample 6
RIN: 8.40



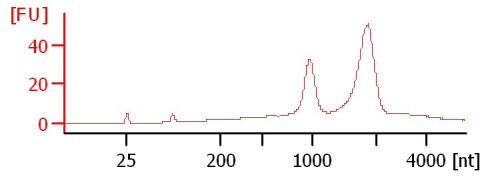
Sample 7
RIN: 9.80



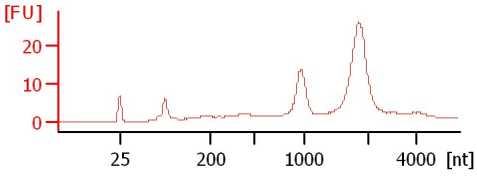
Sample 8
RIN: 8.30



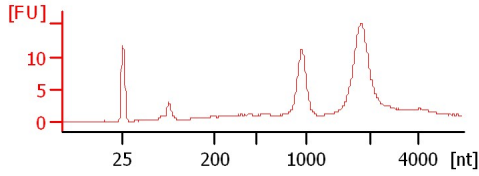
Sample 9
RIN: 7.10



Sample 10
RIN: 7.60



Sample 11
RIN: 7.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
 Modified: 12/4/2017 11:46:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 7.10	
Sample 2		✓	RIN: 8.20	
Sample 3		✓	RIN: 6.40	
Sample 4		✓	RIN: 9.10	
Sample 5		✓	RIN:10	
Sample 6		✓	RIN: 8.40	
Sample 7		✓	RIN: 9.80	
Sample 8		✓	RIN: 8.30	
Sample 9		✓	RIN: 7.10	
Sample 10		✓	RIN: 7.60	
Sample 11		✓	RIN: 7.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
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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

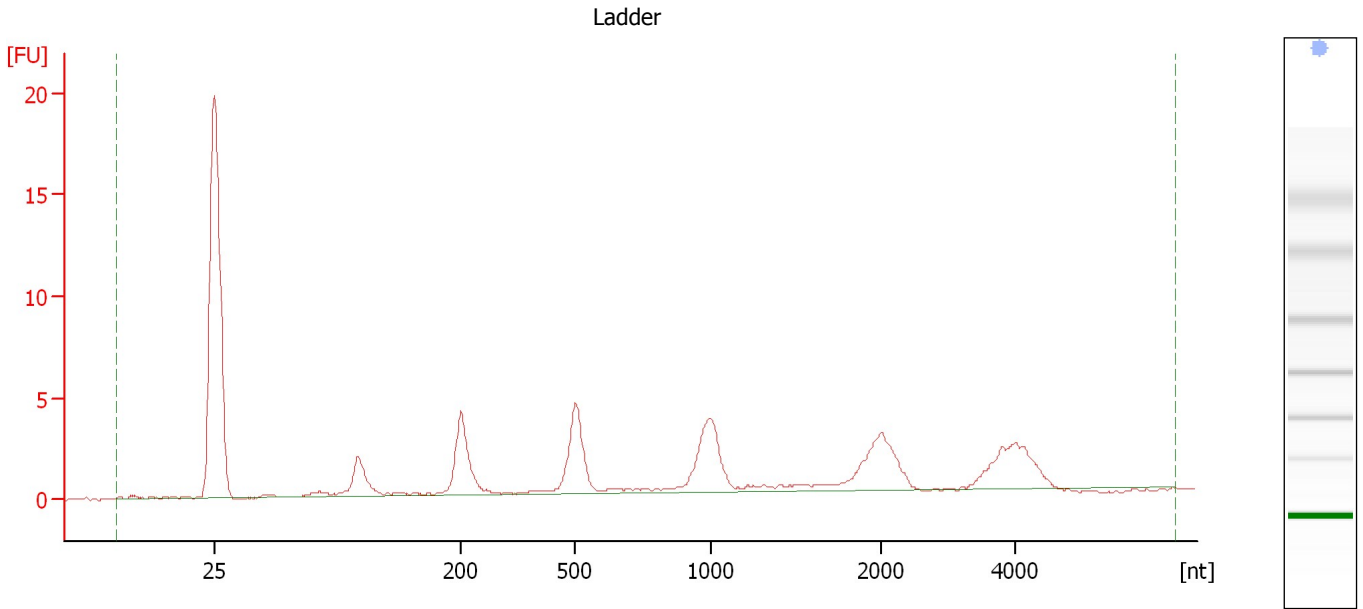
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary



Overall Results for Ladder

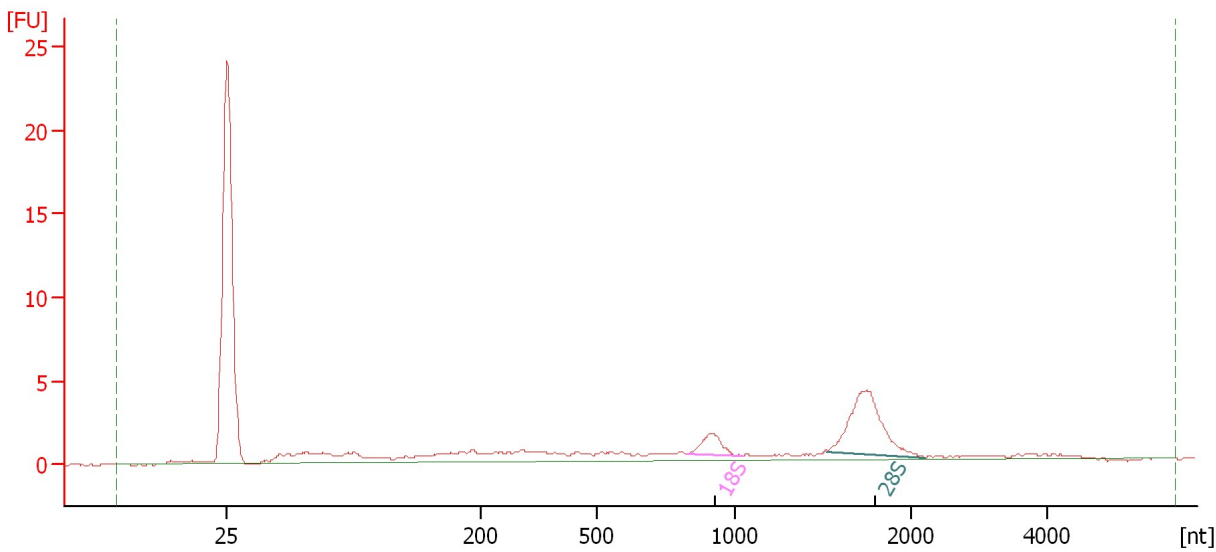
RNA Area:	53.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...

Sample 1



Overall Results for sample 1 : Sample 1

RNA Area:	52.6	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	978 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.1	Result Flagging Label:	RIN: 7.10

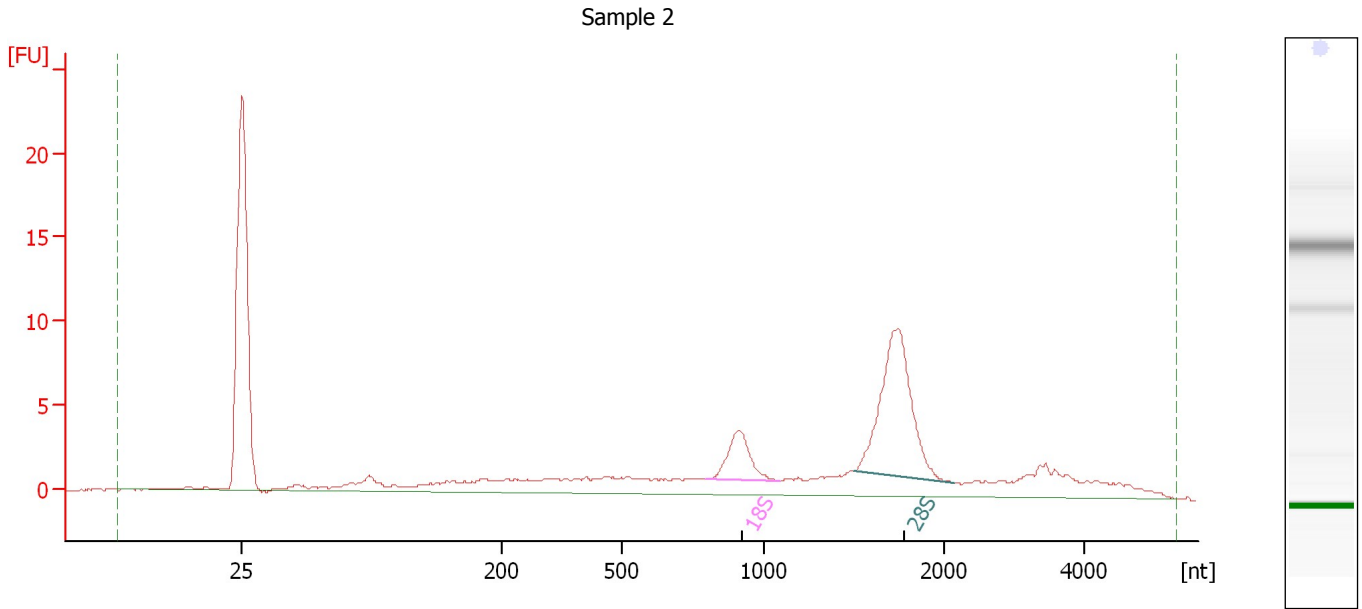
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	823	1,039	3.0	5.7
28S	1,527	2,225	12.2	23.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
 Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	107.9	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,006 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.6	Result Flagging Label:	RIN: 8.20

Fragment table for sample 2 : Sample 2

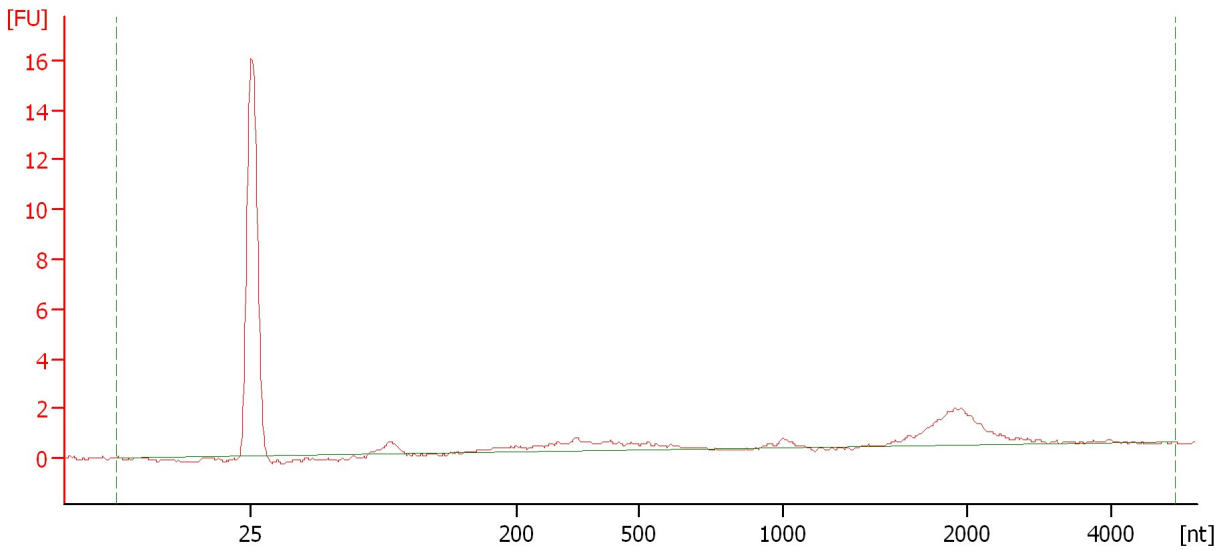
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	799	1,094	7.2	6.7
28S	1,498	2,145	26.4	24.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

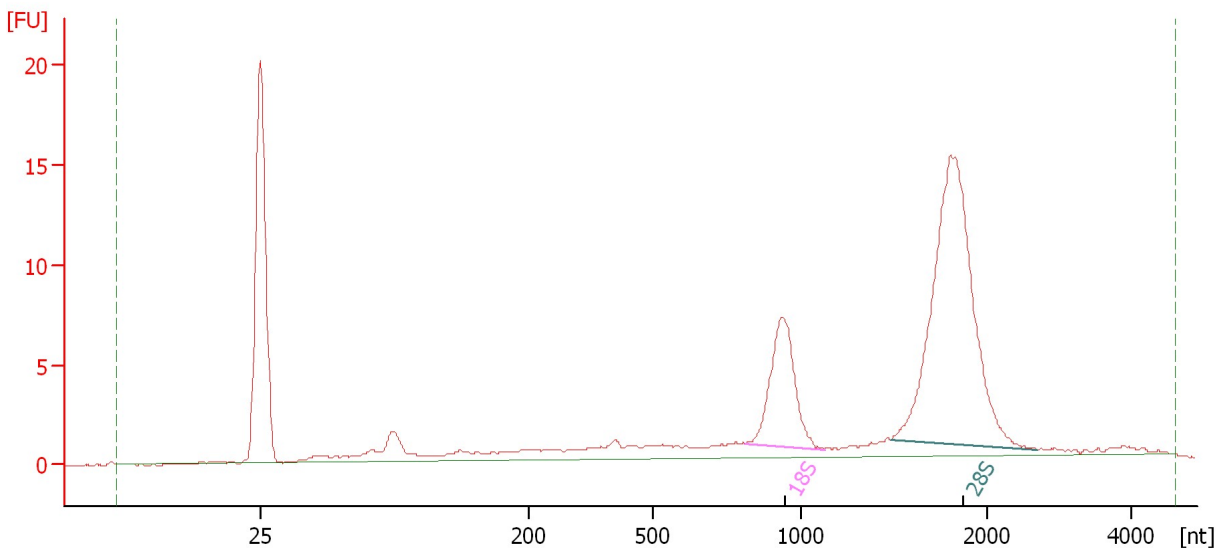
RNA Area:	14.5	RNA Integrity Number (RIN):	6.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	269 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

RNA Area:	113.9	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,116 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.2	Result Flagging Label:	RIN: 9.10

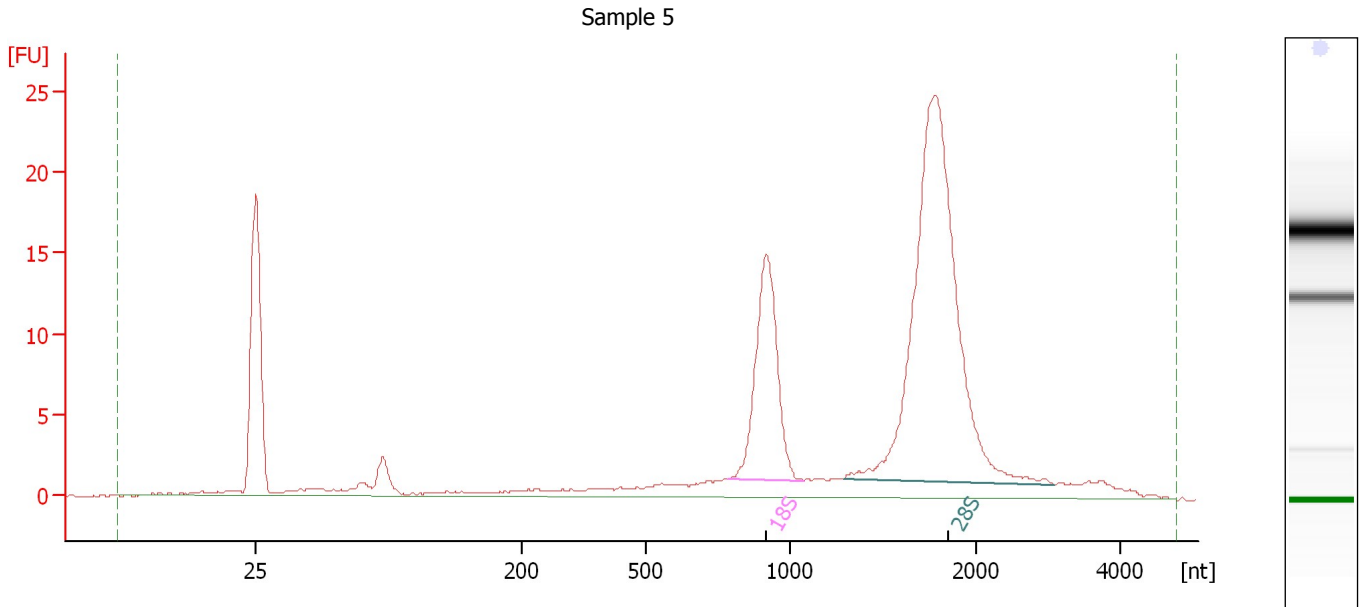
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	812	1,129	16.7	14.7
28S	1,484	2,693	53.5	47.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
 Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	190.6	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	3,543 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN:10

Fragment table for sample 5 : Sample 5

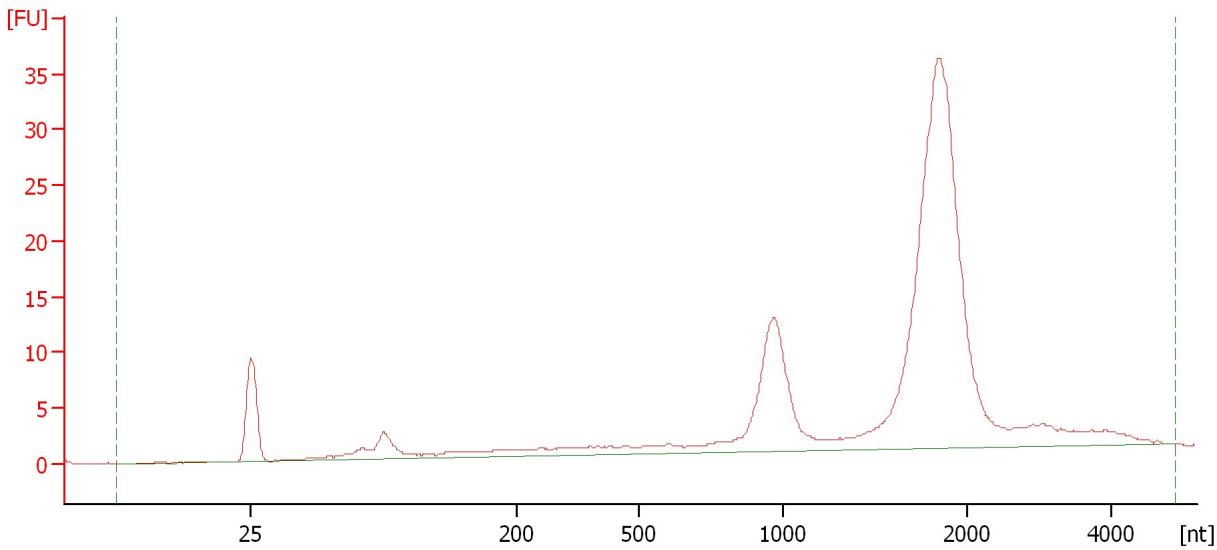
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	784	1,071	32.5	17.1
28S	1,285	3,107	93.7	49.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

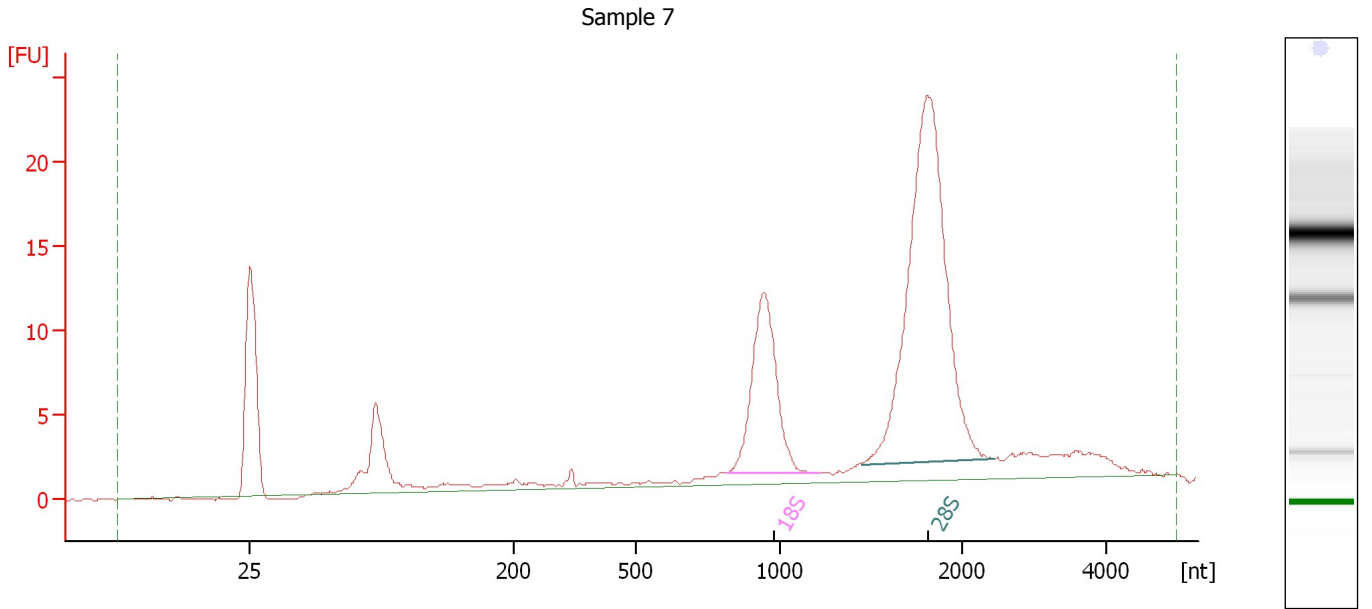
RNA Area: 227.5
RNA Concentration: 4,228 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 8.4 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	167.3	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	3,108 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN: 9.80

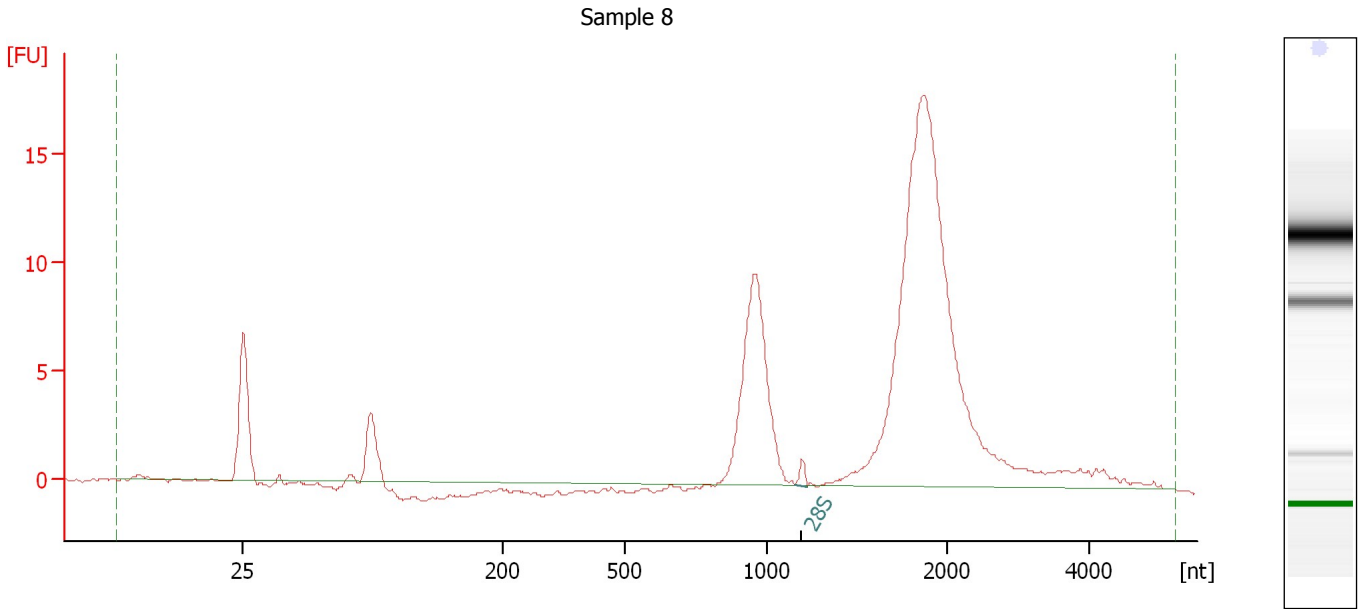
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	818	1,217	28.4	17.0
28S	1,445	2,422	75.9	45.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	121.8	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,264 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.30

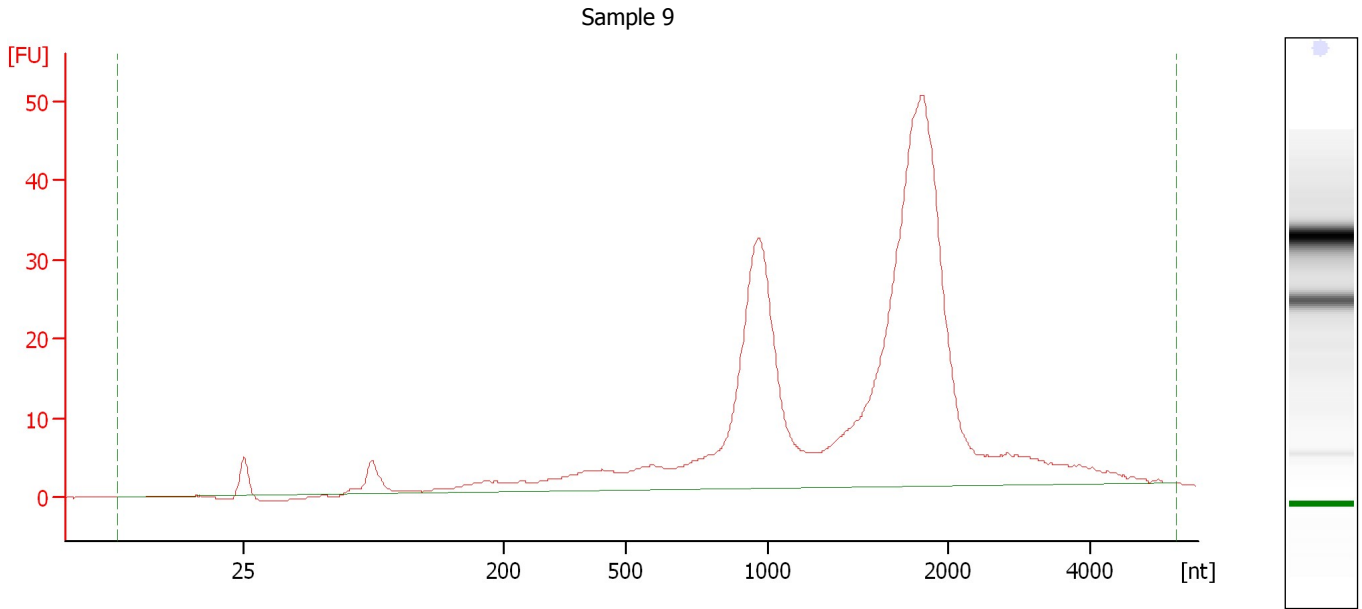
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,153	1,224	0.6	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



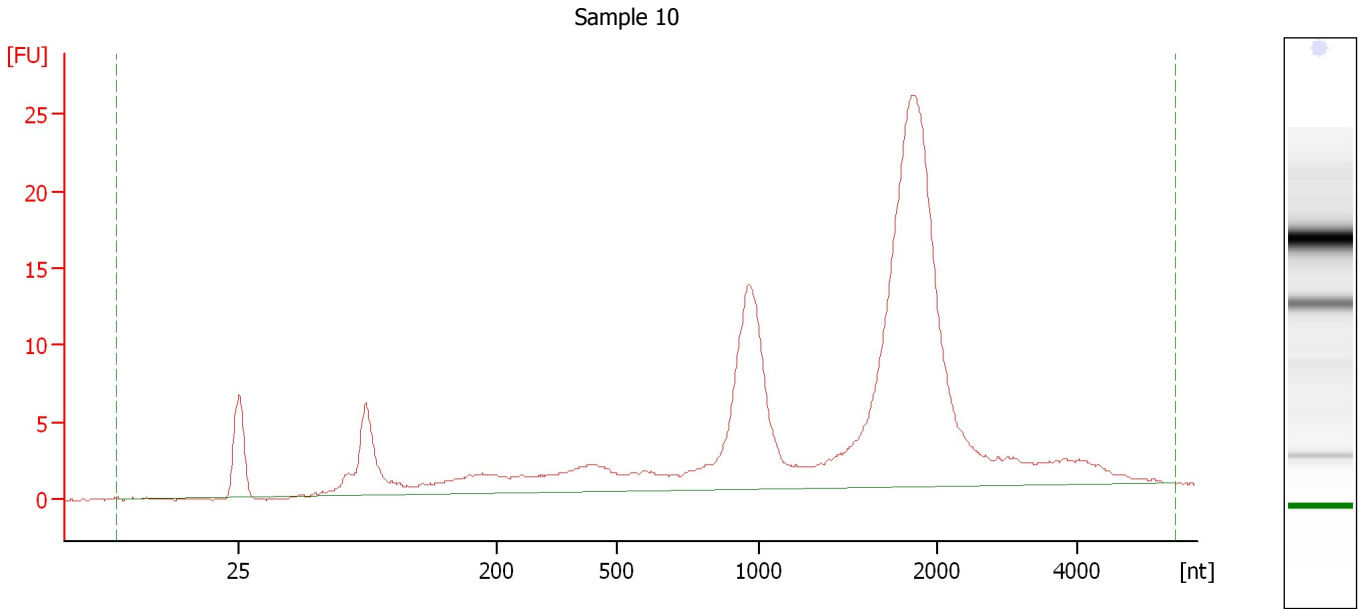
Overall Results for sample 9 : Sample 9

RNA Area:	487.8	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	9,066 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

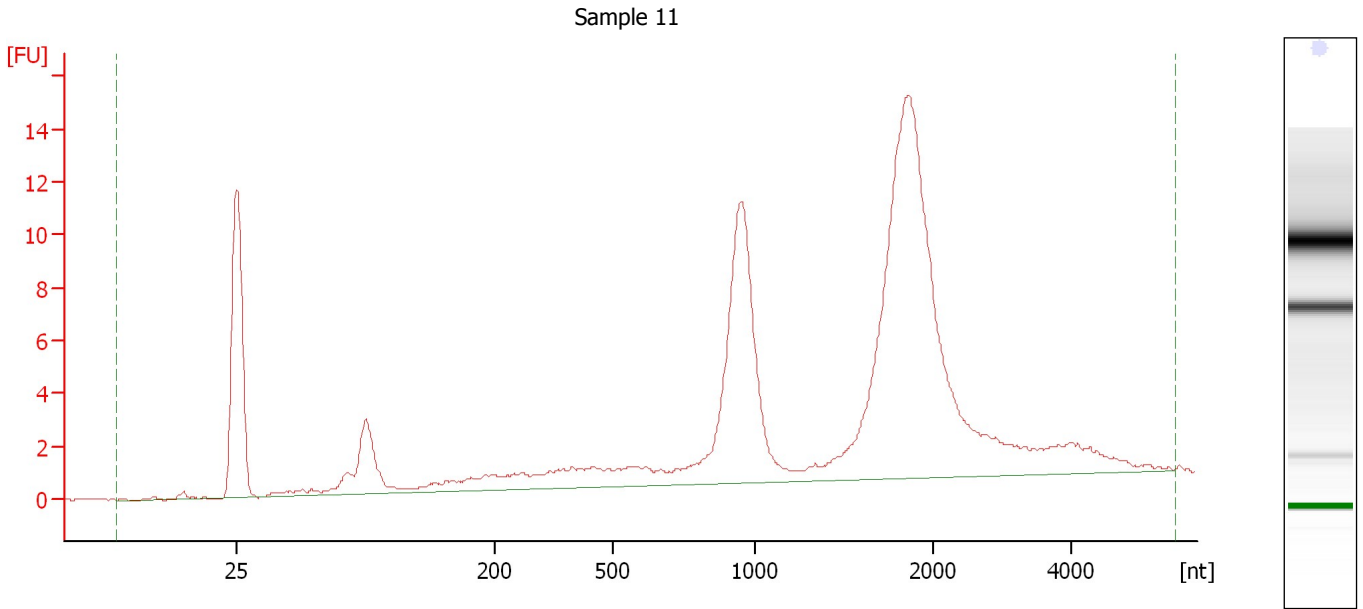
RNA Area: 249.7
RNA Concentration: 4,641 pg/ μ l
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	143.7	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,670 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_002.xad

Created: 12/4/2017 10:46:13 AM
Modified: 12/4/2017 11:46:52 AM

Gel Image

