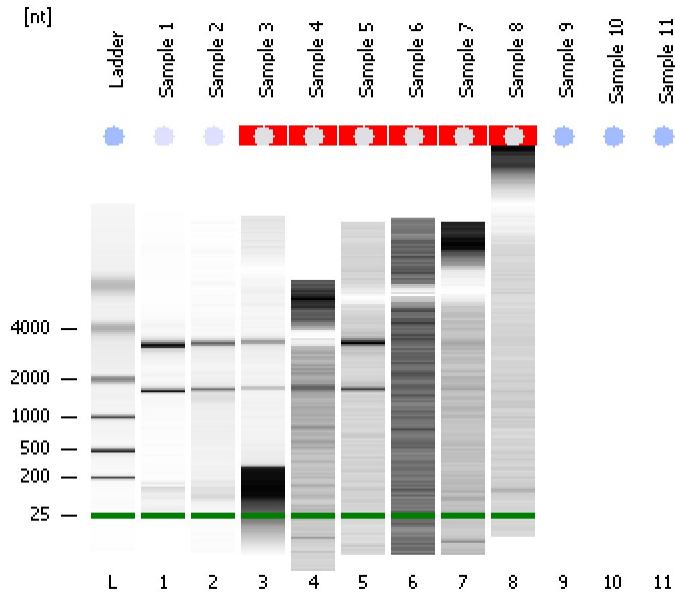


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electrophoresis File Run Summary



Instrument Information:

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

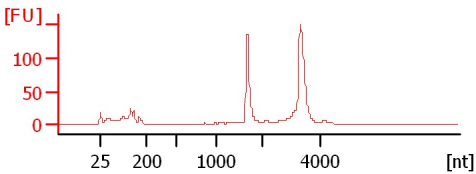
Assay Information:

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.

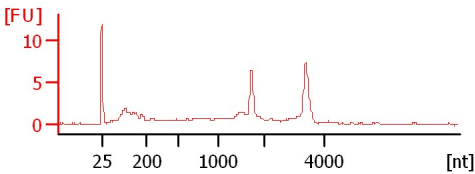
Chip Information:

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

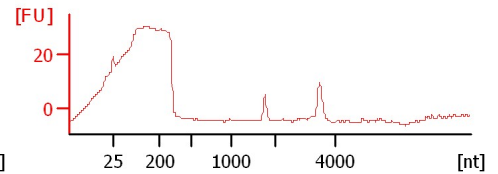
Sample 1
RIN: 9.60



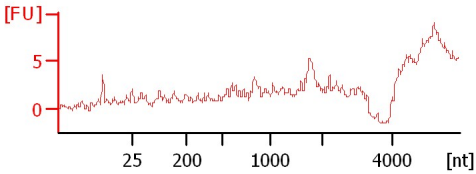
Sample 2
RIN: 7.40



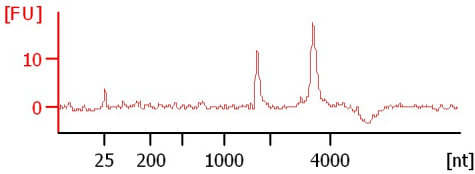
Sample 3
RIN N/A



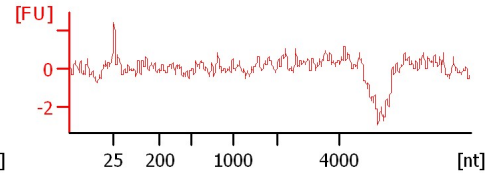
Sample 4
RIN N/A



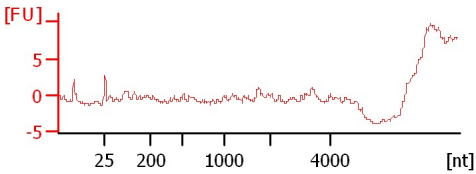
Sample 5
RIN N/A



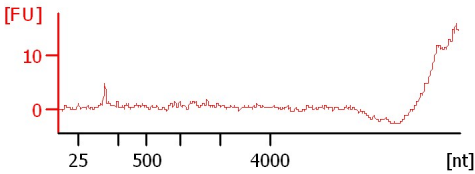
Sample 6
RIN N/A



Sample 7
RIN N/A



Sample 8
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
 Modified: 11/22/2017 4:05:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.60	
Sample 2		✓	RIN: 7.40	
Sample 3		✓	RIN N/A	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 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

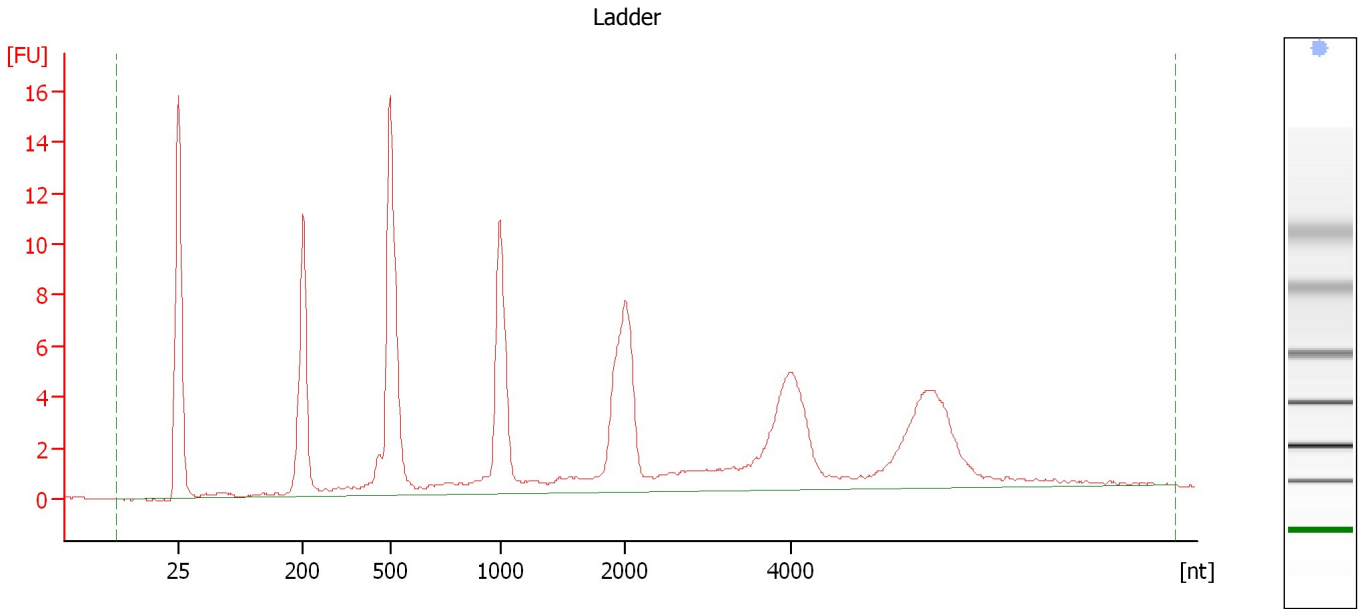
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary



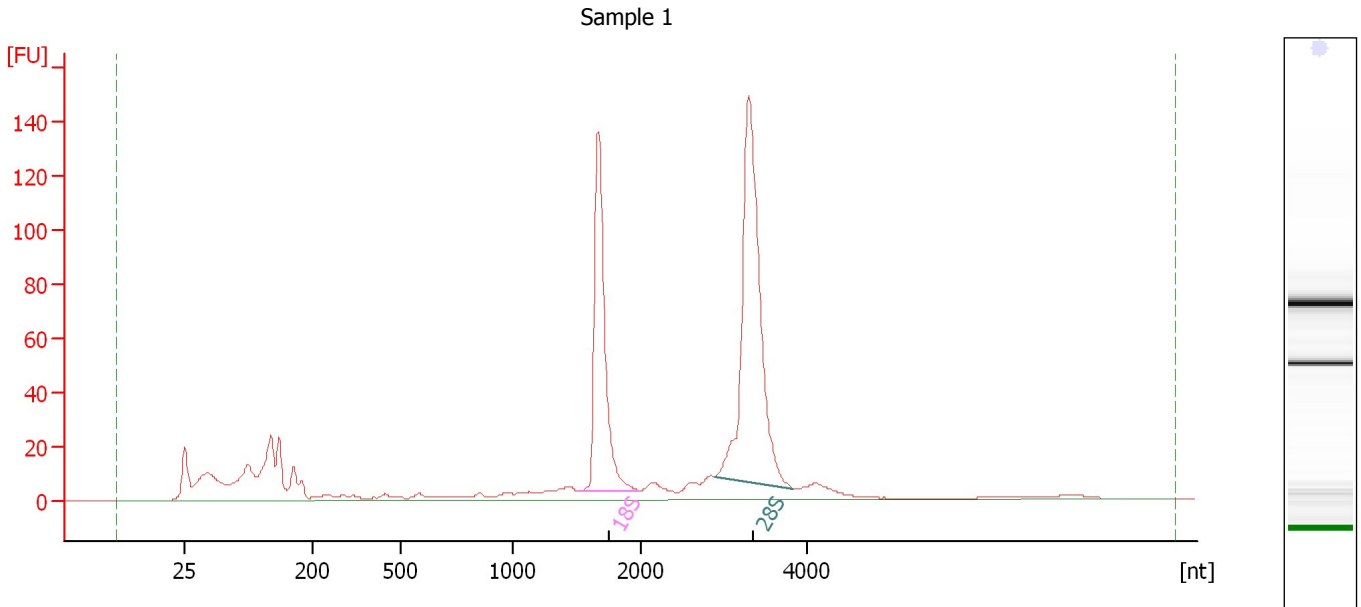
Overall Results for Ladder

RNA Area:	139.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	862.0	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	6,196 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.60

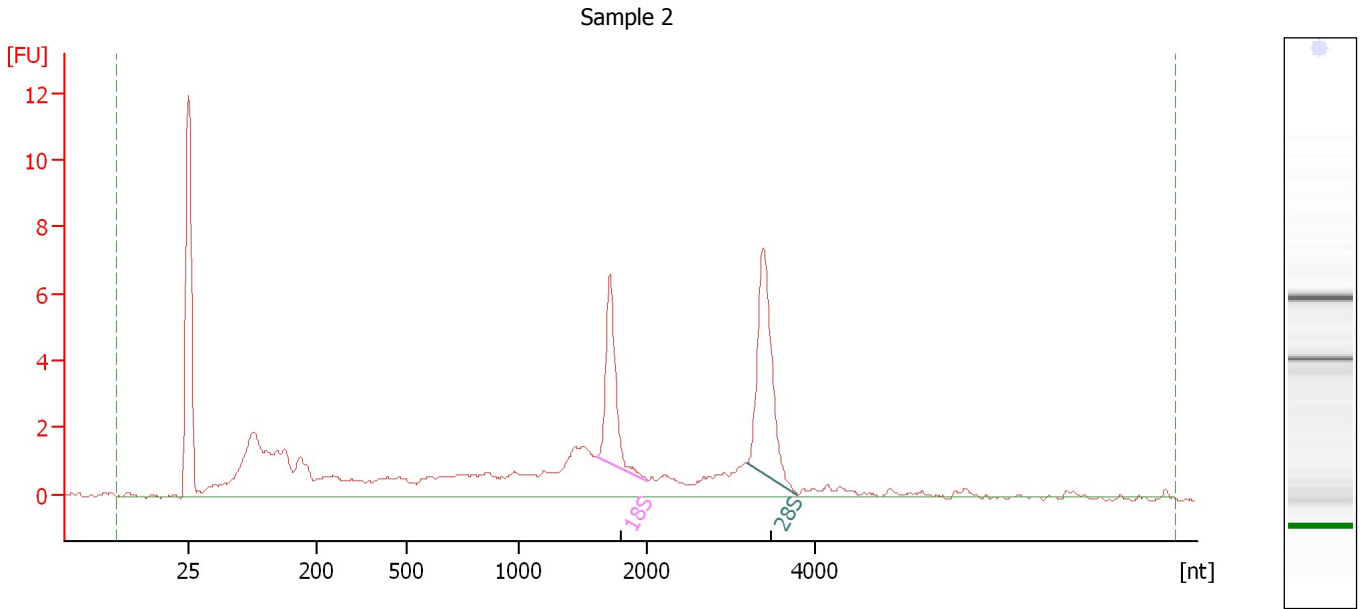
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,515	1,995	173.1	20.1
28S	2,887	3,834	275.6	32.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	77.9	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	560 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.40

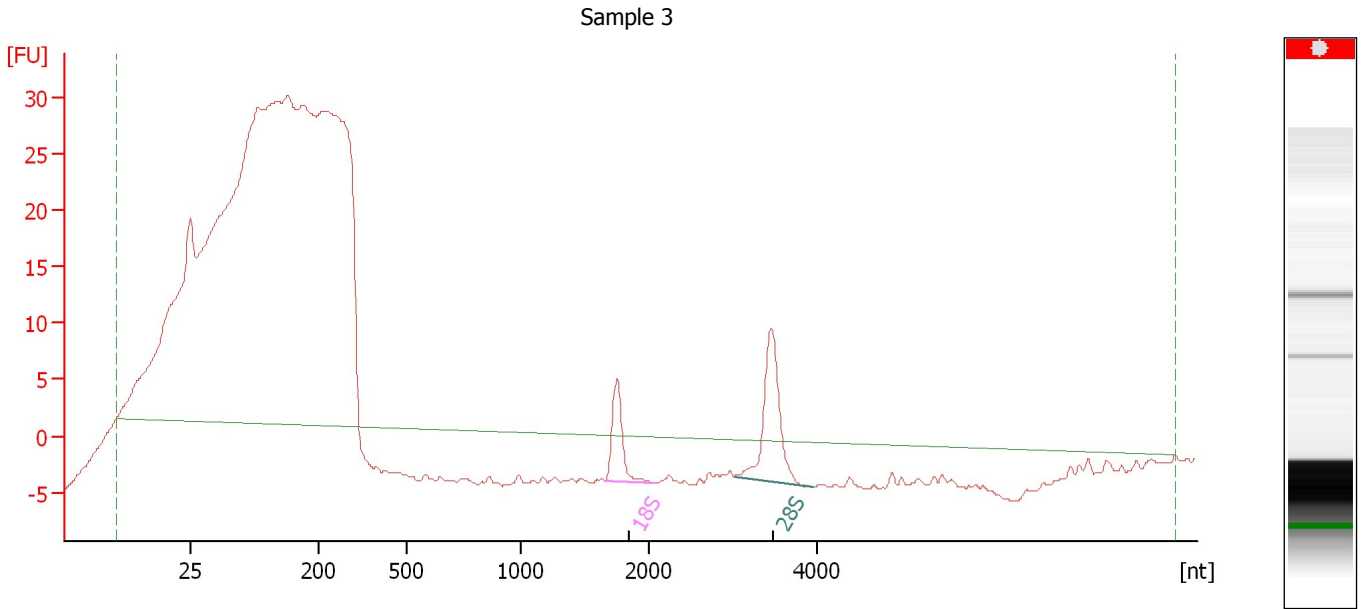
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	2,007	6.9	8.9
28S	3,189	3,799	10.6	13.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
 Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	688.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,949 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN N/A

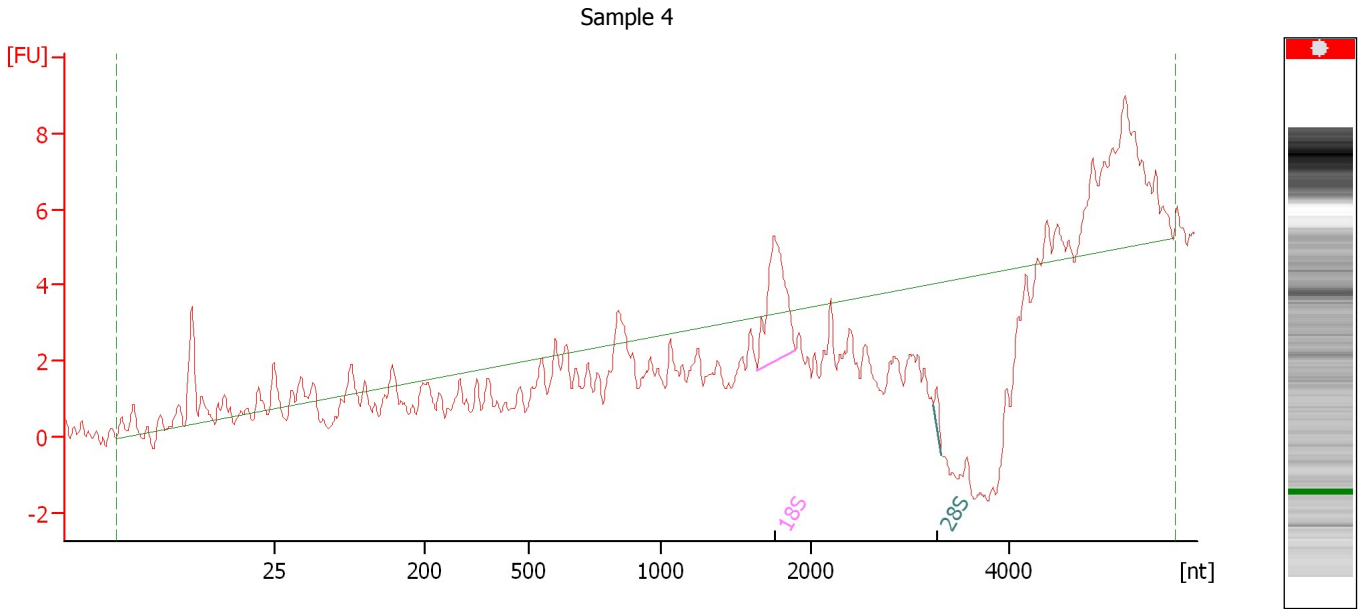
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	2,059	11.6	1.7
28S	3,022	3,948	23.1	3.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
 Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	30.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	220 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

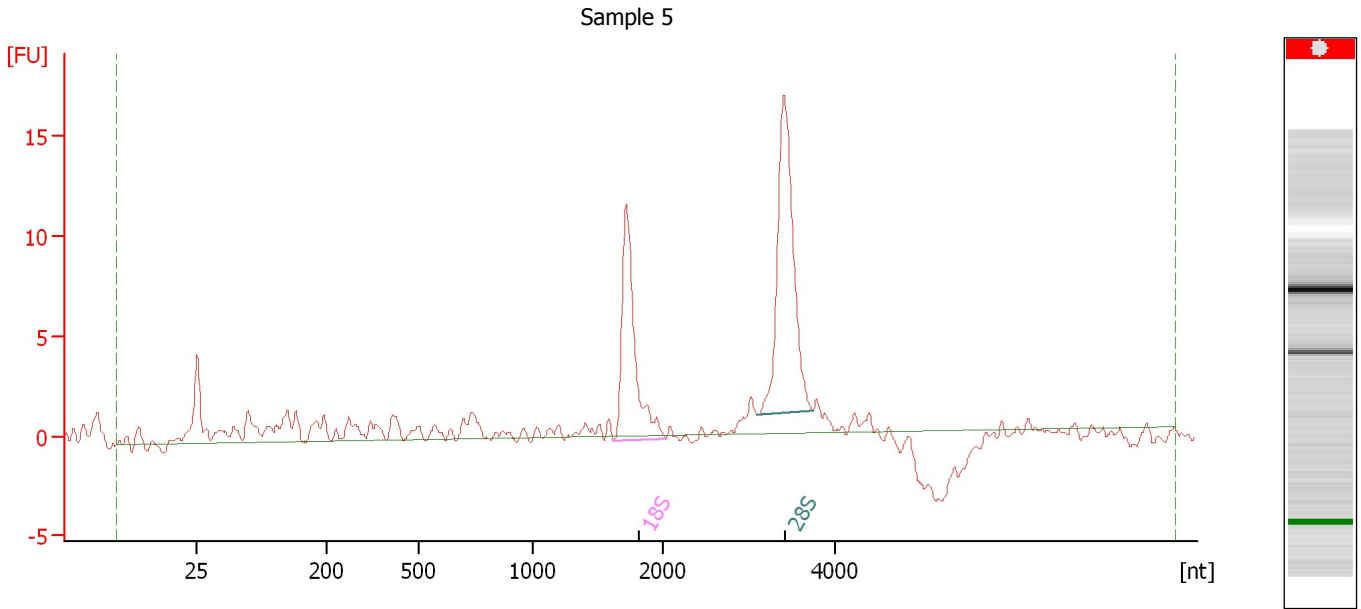
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,890	6.2	20.4
28S	3,228	3,314	0.4	1.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area: 88.9 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 639 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN N/A

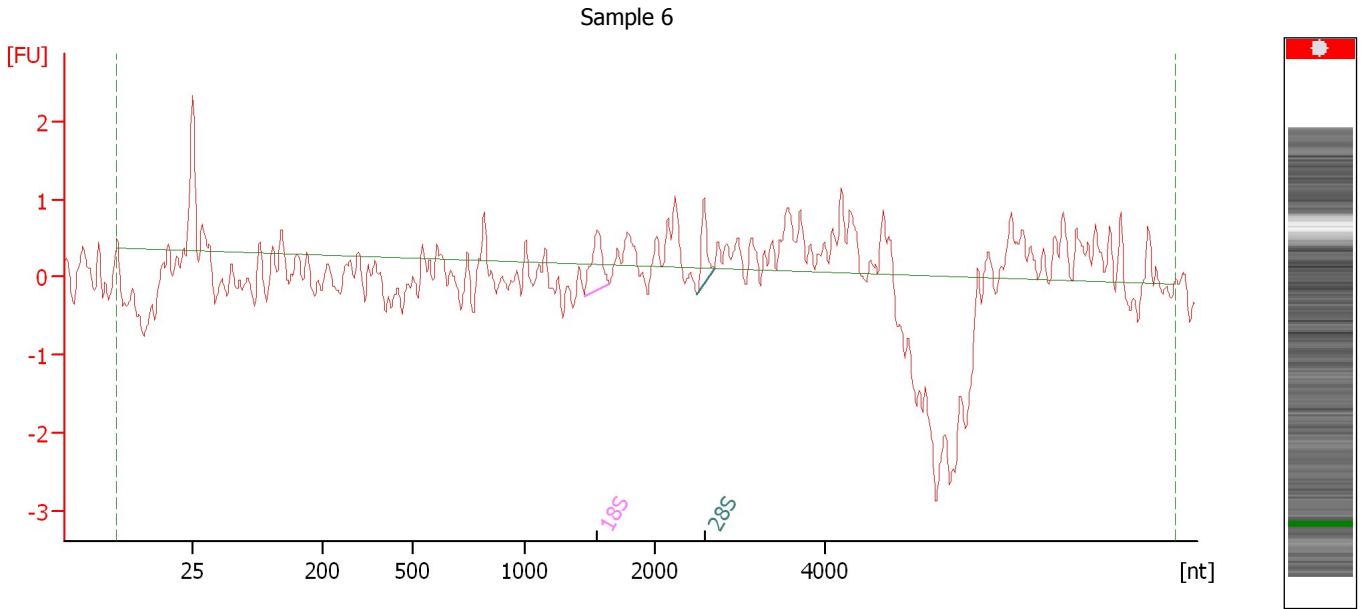
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,623	2,039	18.4	20.7
28S	3,100	3,761	26.7	30.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
 Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	12.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	91 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

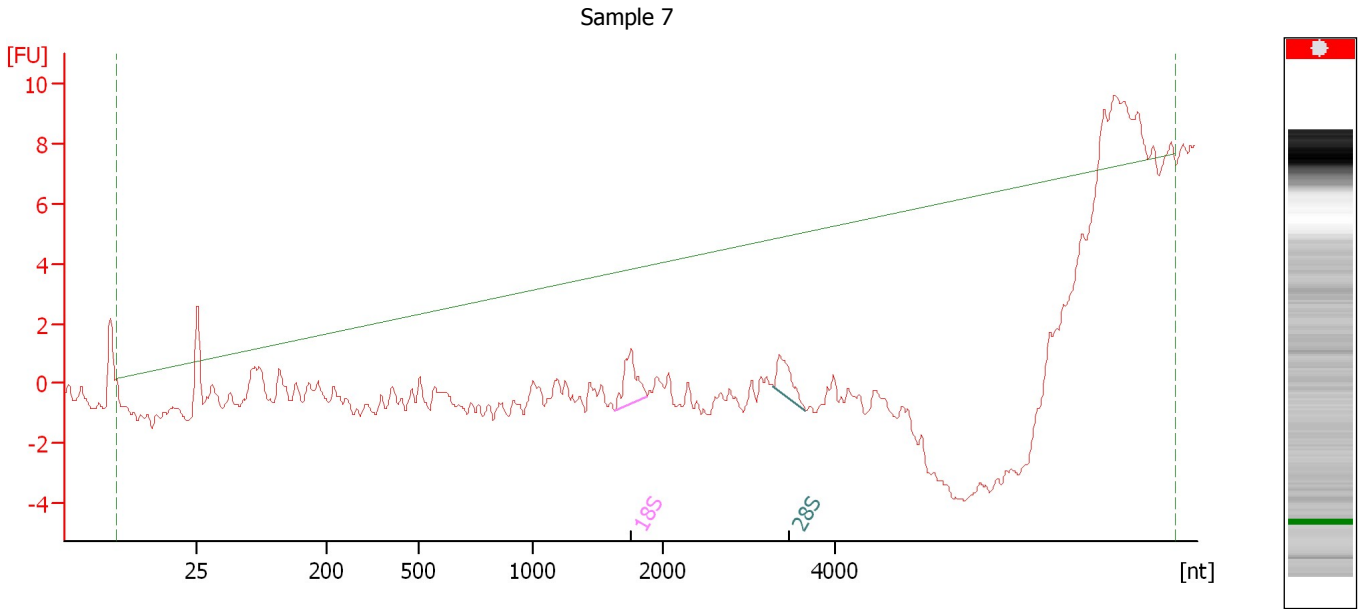
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,452	1,650	1.1	8.4
28S	2,502	2,703	0.7	5.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	5.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	42 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

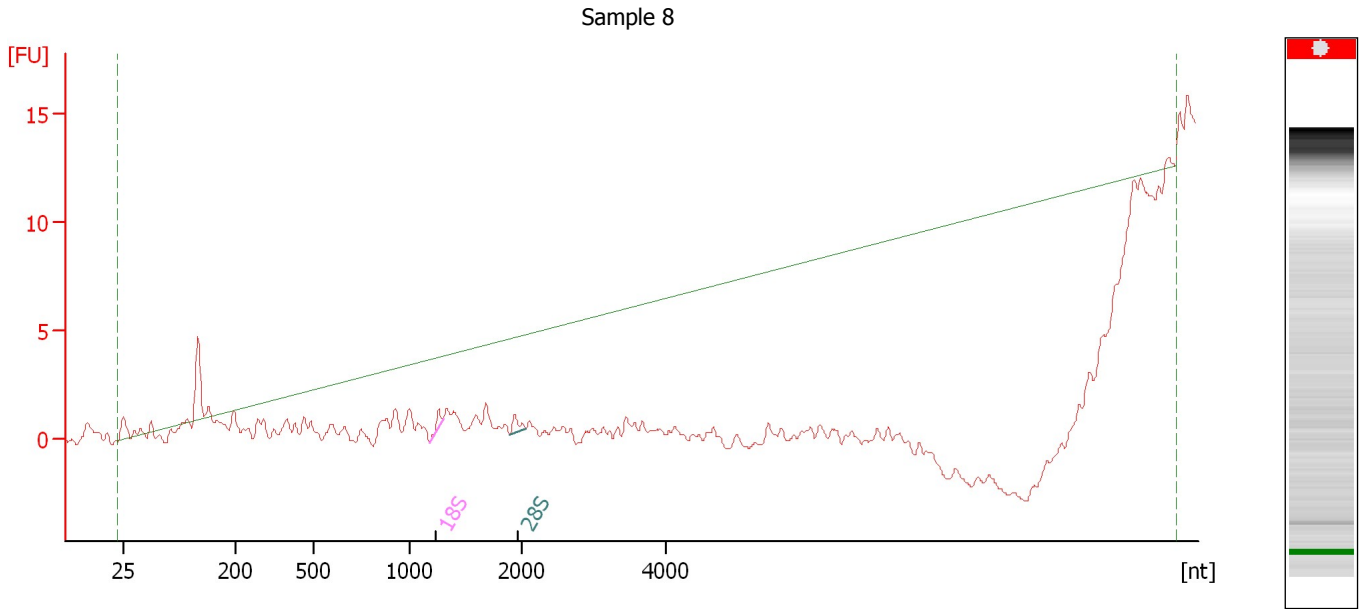
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	1,877	2.7	46.7
28S	3,287	3,662	1.9	33.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
 Modified: 11/22/2017 4:05:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	6.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	45 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

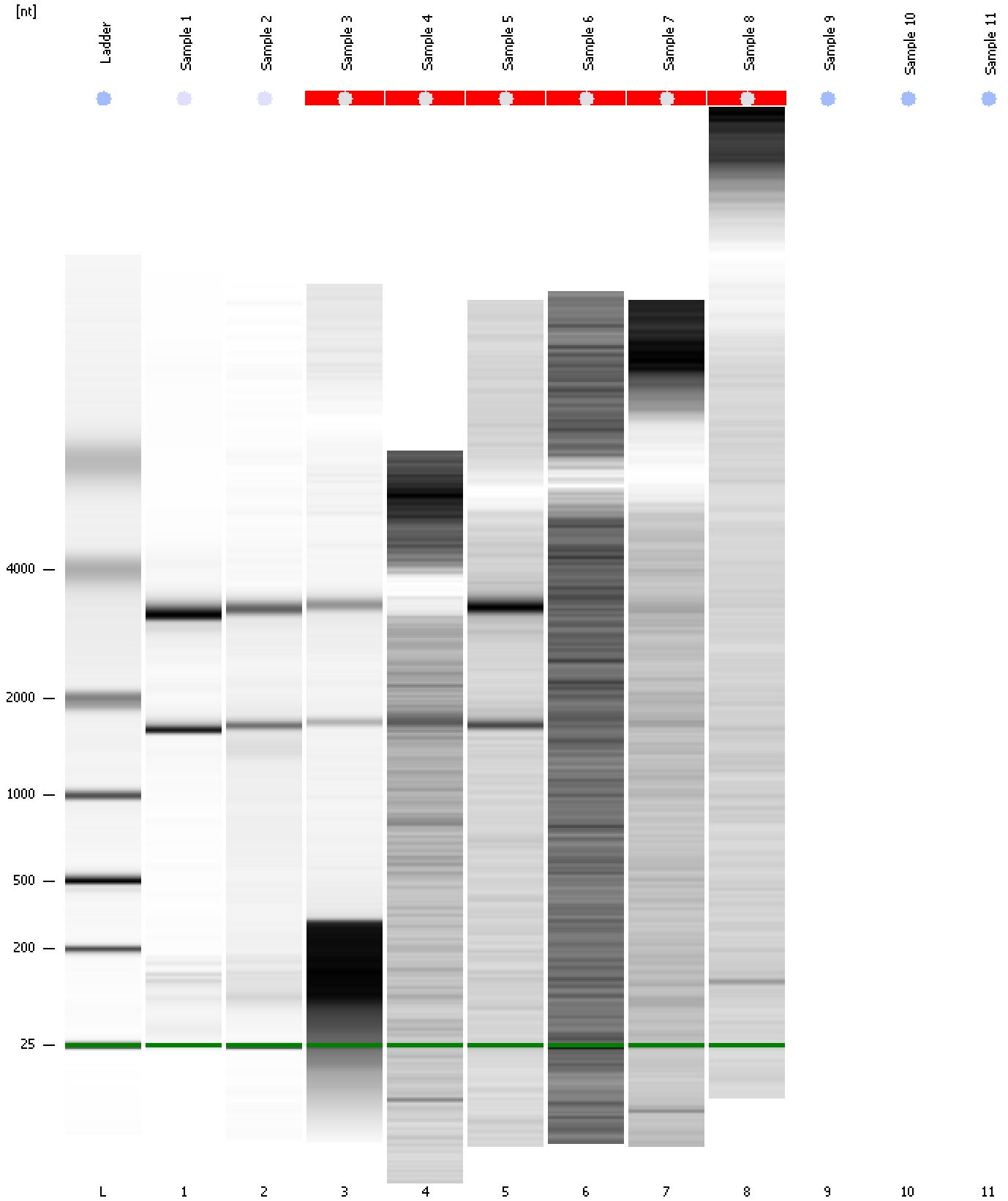
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,178	1,293	0.5	8.1
28S	1,901	2,070	0.7	11.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-22\2017-11-22_002.xad

Created: 11/22/2017 3:46:25 PM
Modified: 11/22/2017 4:05:02 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.