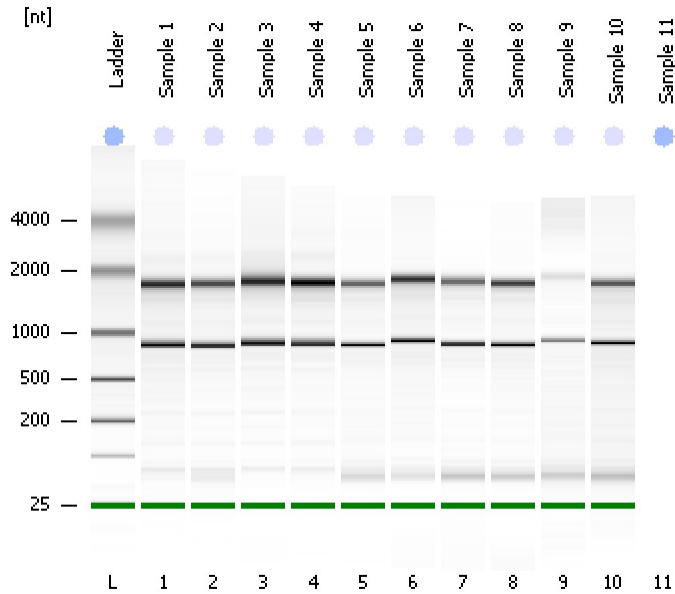


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

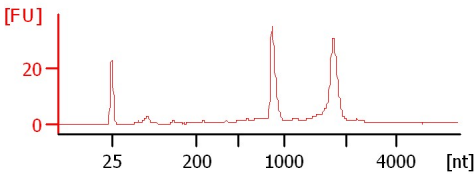
Assay Information:

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.

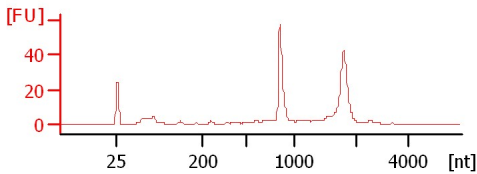
Chip Information:

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

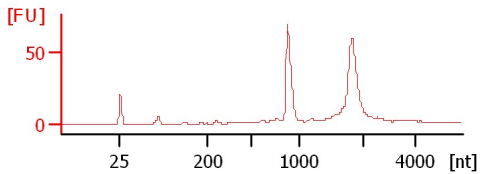
Sample 1
RIN: 9.40



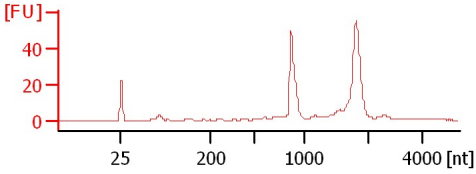
Sample 2
RIN: 9.10



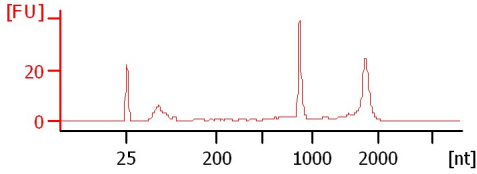
Sample 3
RIN: 9.60



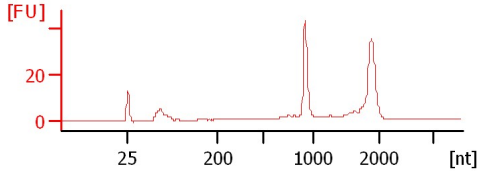
Sample 4
RIN: 9.60



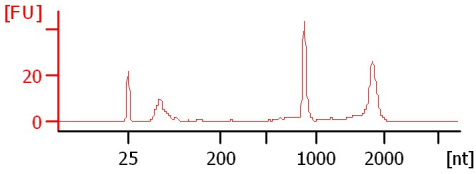
Sample 5
RIN: 8.90



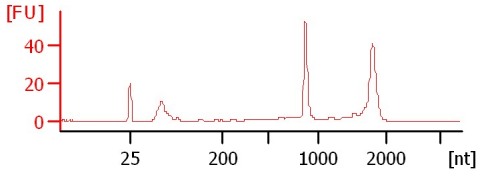
Sample 6
RIN: 9.10



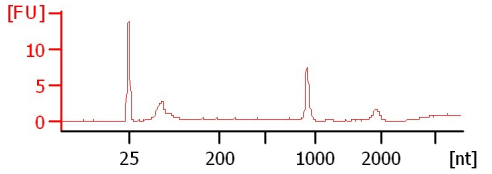
Sample 7
RIN: 9.30



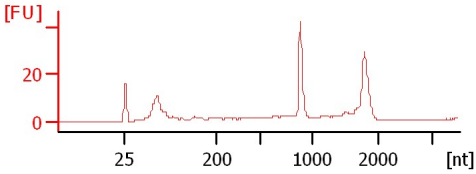
Sample 8
RIN: 9



Sample 9
RIN: 8.40



Sample 10
RIN: 8.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
 Modified: 8/29/2017 3:06:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.40	
Sample 2		✓	RIN: 9.10	
Sample 3		✓	RIN: 9.60	
Sample 4		✓	RIN: 9.60	
Sample 5		✓	RIN: 8.90	
Sample 6		✓	RIN: 9.10	
Sample 7		✓	RIN: 9.30	
Sample 8		✓	RIN:9	
Sample 9		✓	RIN: 8.40	
Sample 10		✓	RIN: 8.10	
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\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 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

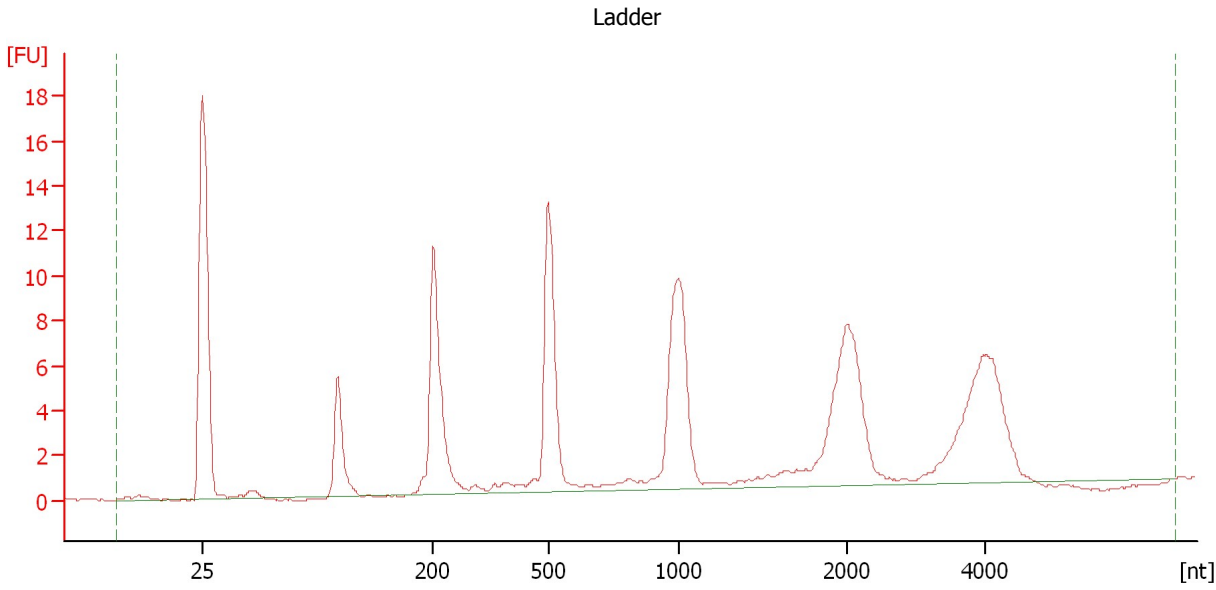
Ladder

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\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary



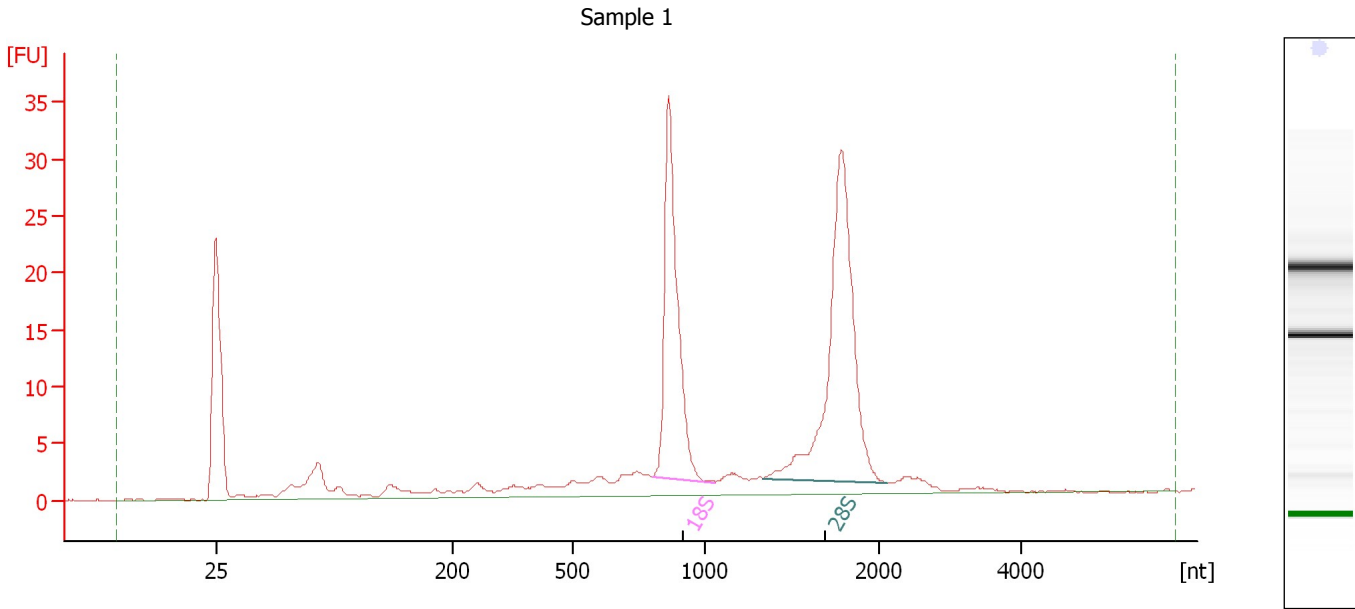
Overall Results for Ladder

RNA Area:	120.4	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\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	215.0	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	1,786 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.40

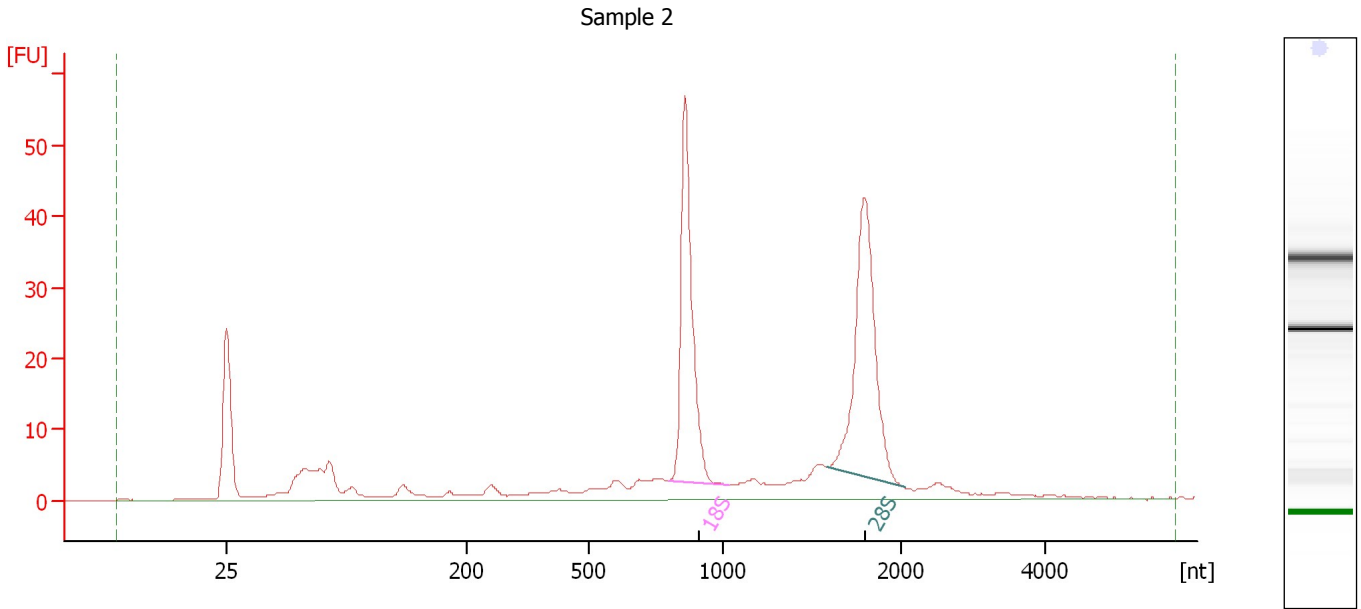
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	801	1,059	51.3	23.9
28S	1,330	2,109	70.9	33.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	306.9	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,550 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.10

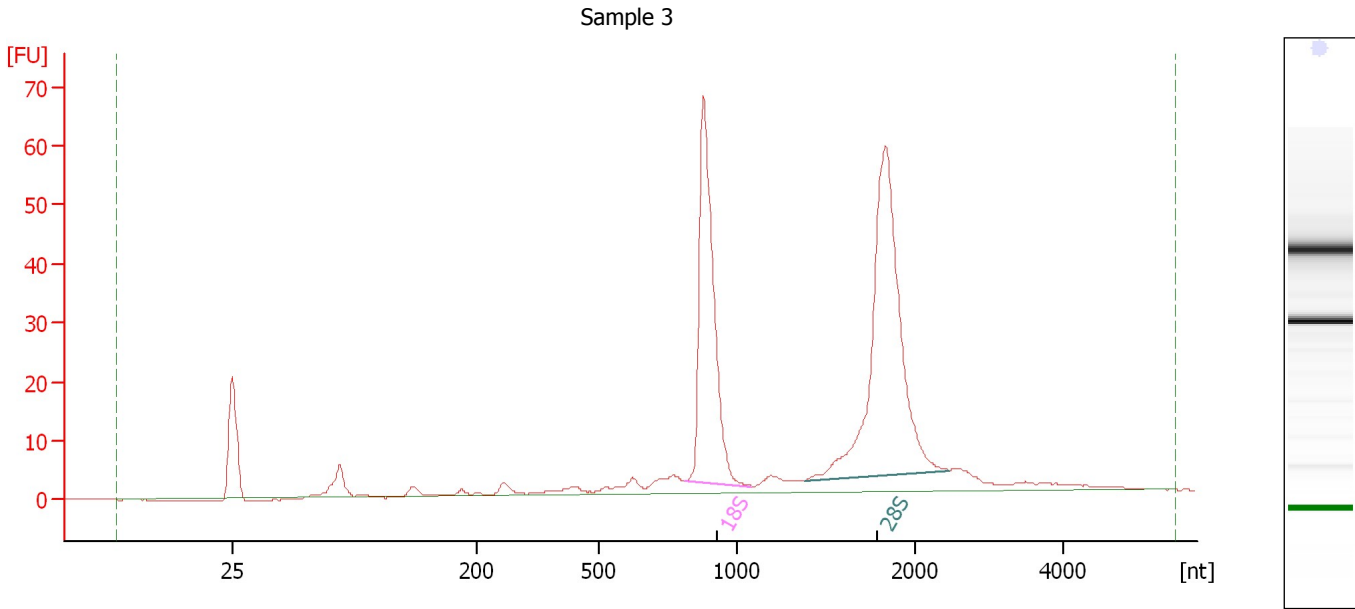
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	795	1,031	71.7	23.3
28S	1,587	2,055	77.4	25.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	383.9	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	3,189 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.60

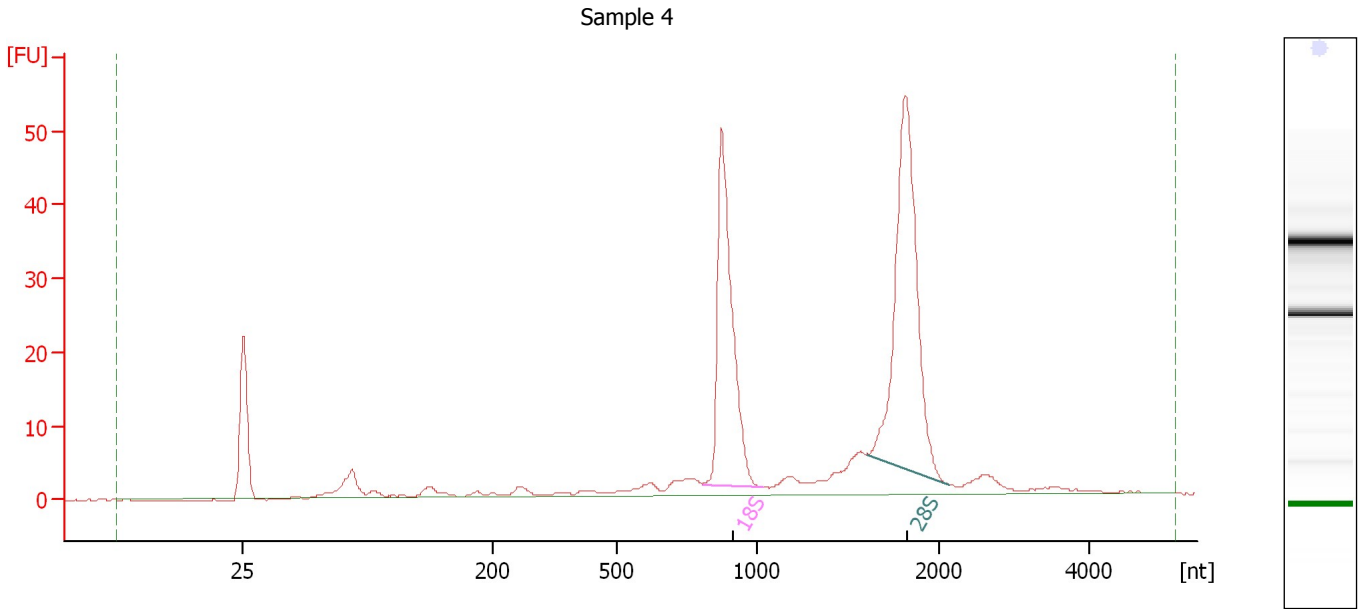
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	810	1,086	106.6	27.8
28S	1,379	2,465	151.5	39.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	293.1	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	2,435 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

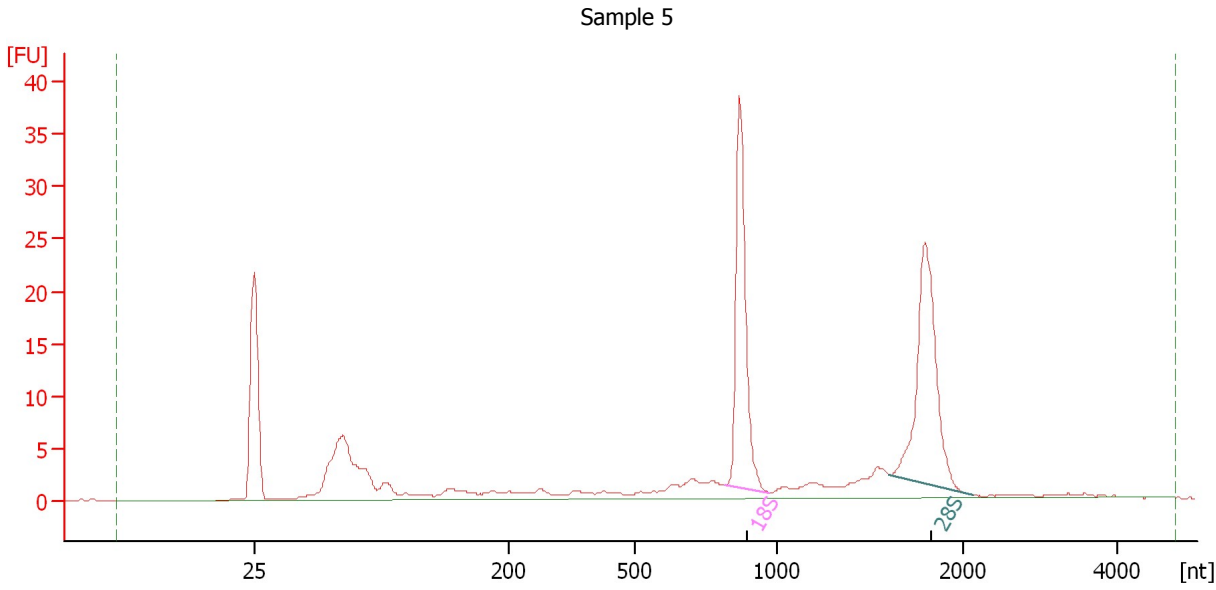
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	805	1,035	77.8	26.5
28S	1,597	2,131	103.8	35.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area: 178.3 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 1,481 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.90

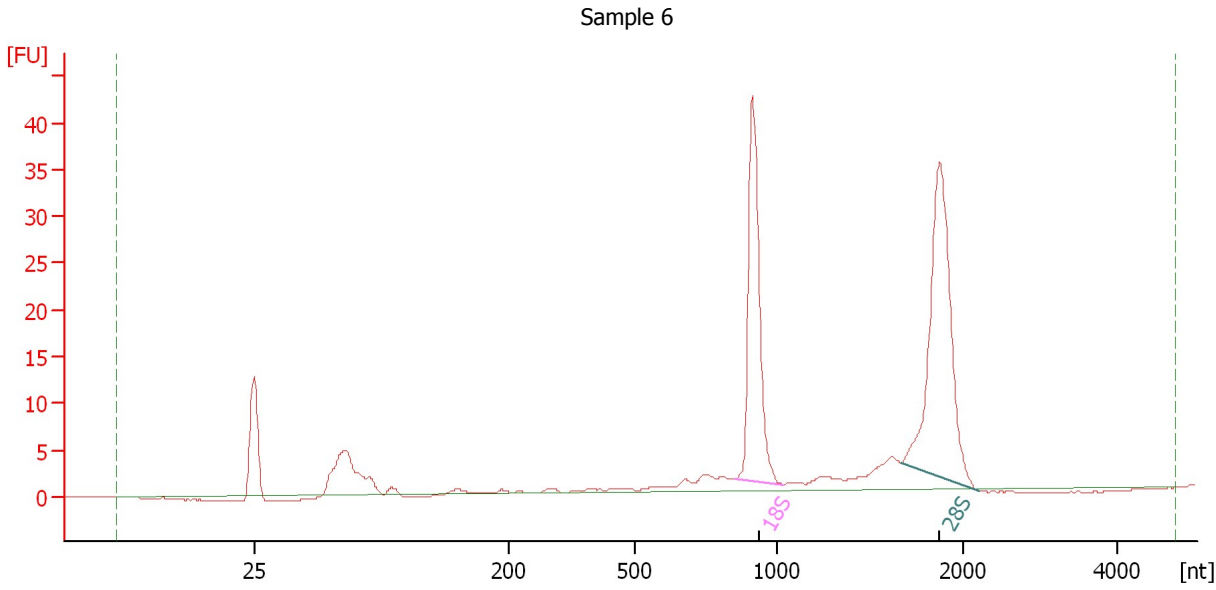
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	814	968	38.3	21.5
28S	1,600	2,131	41.4	23.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	180.8	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	1,502 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.10

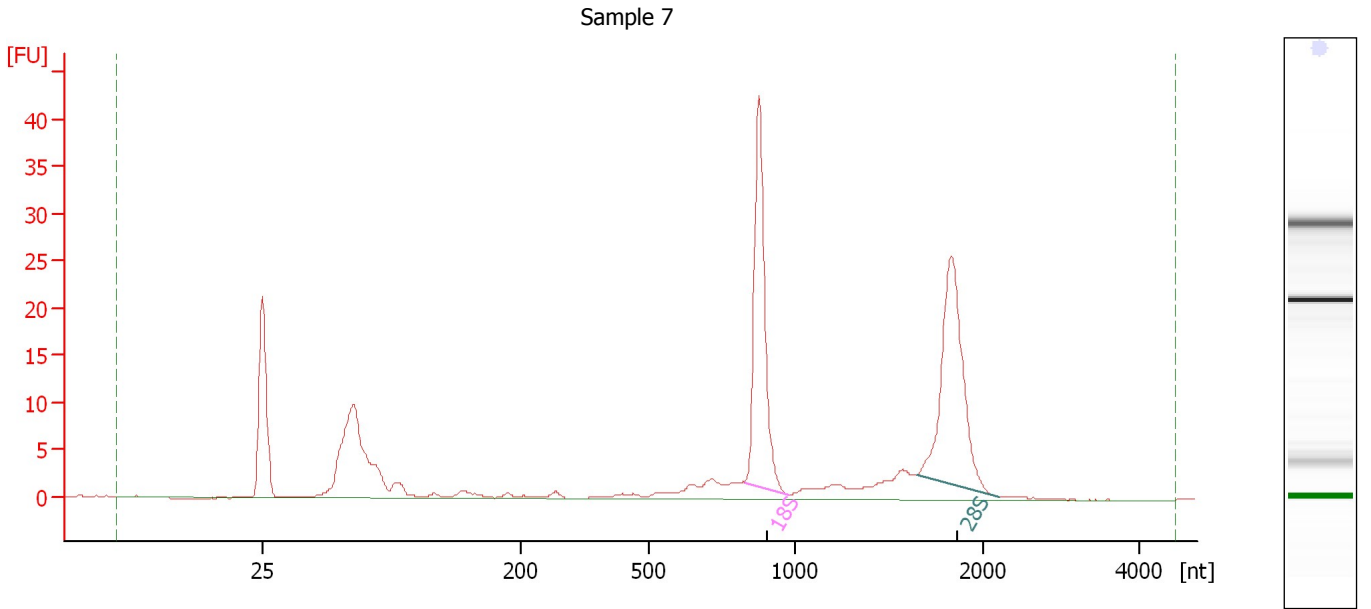
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	848	1,031	48.6	26.9
28S	1,663	2,187	65.1	36.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area: 193.8 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 1,610 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 9.30

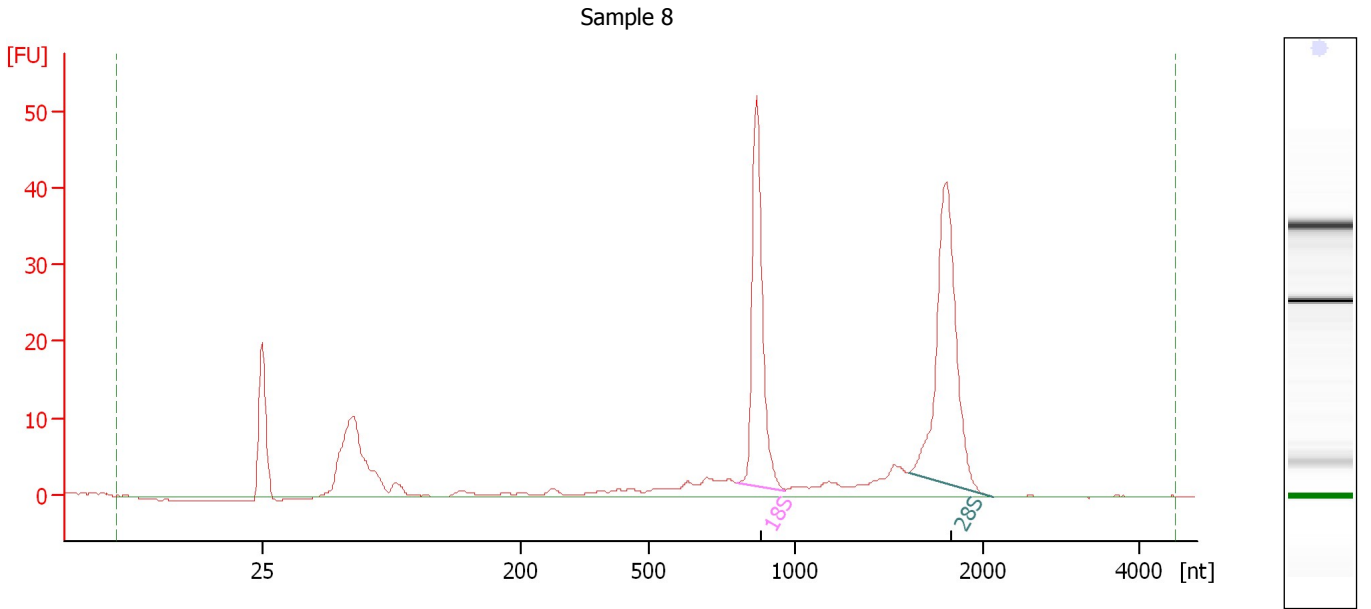
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	826	977	46.8	24.2
28S	1,644	2,194	47.8	24.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	232.2	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	1,929 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

Fragment table for sample 8 : Sample 8

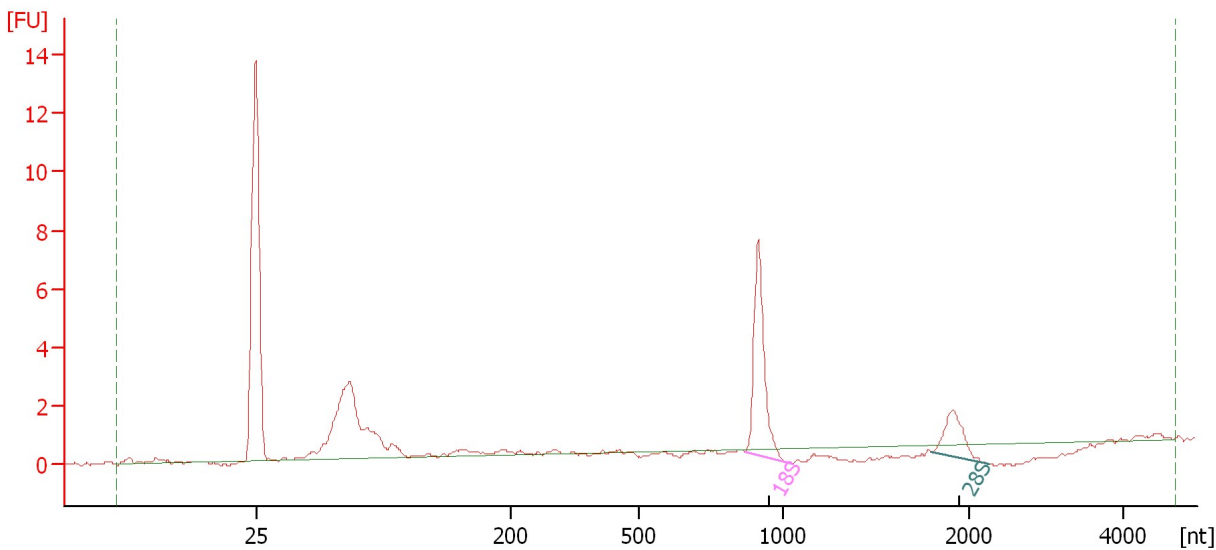
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	804	970	54.8	23.6
28S	1,604	2,112	70.7	30.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
 Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	27.2	RNA Integrity Number (RIN):	8.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	226 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 8.40

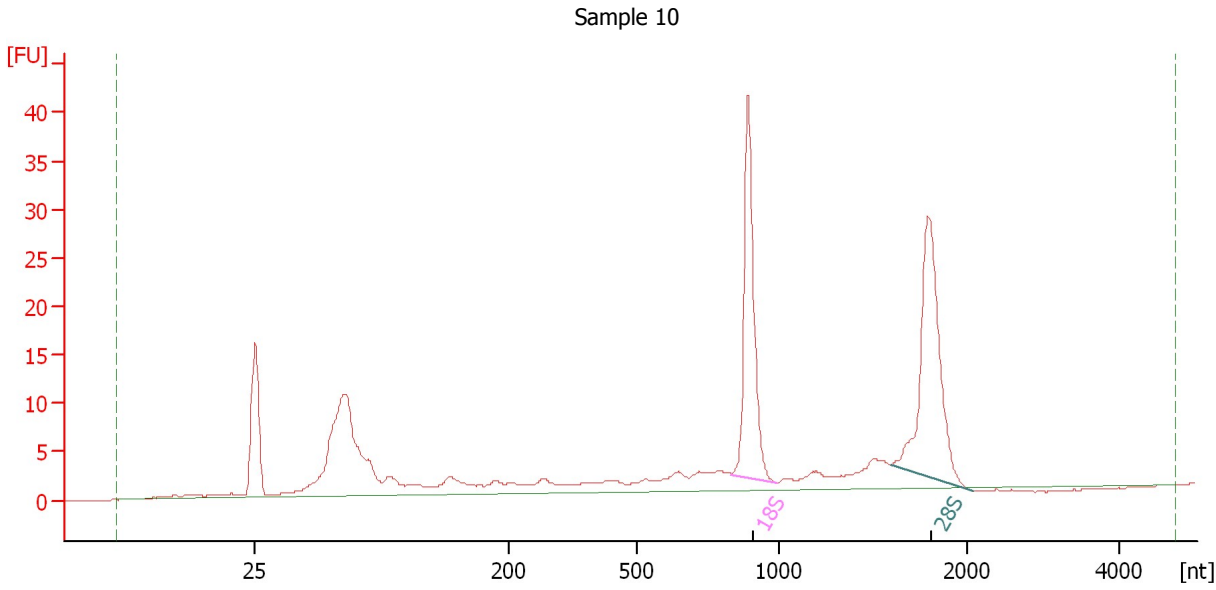
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	868	1,055	8.1	29.9
28S	1,798	2,262	2.8	10.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	238.3	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	1,980 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.10

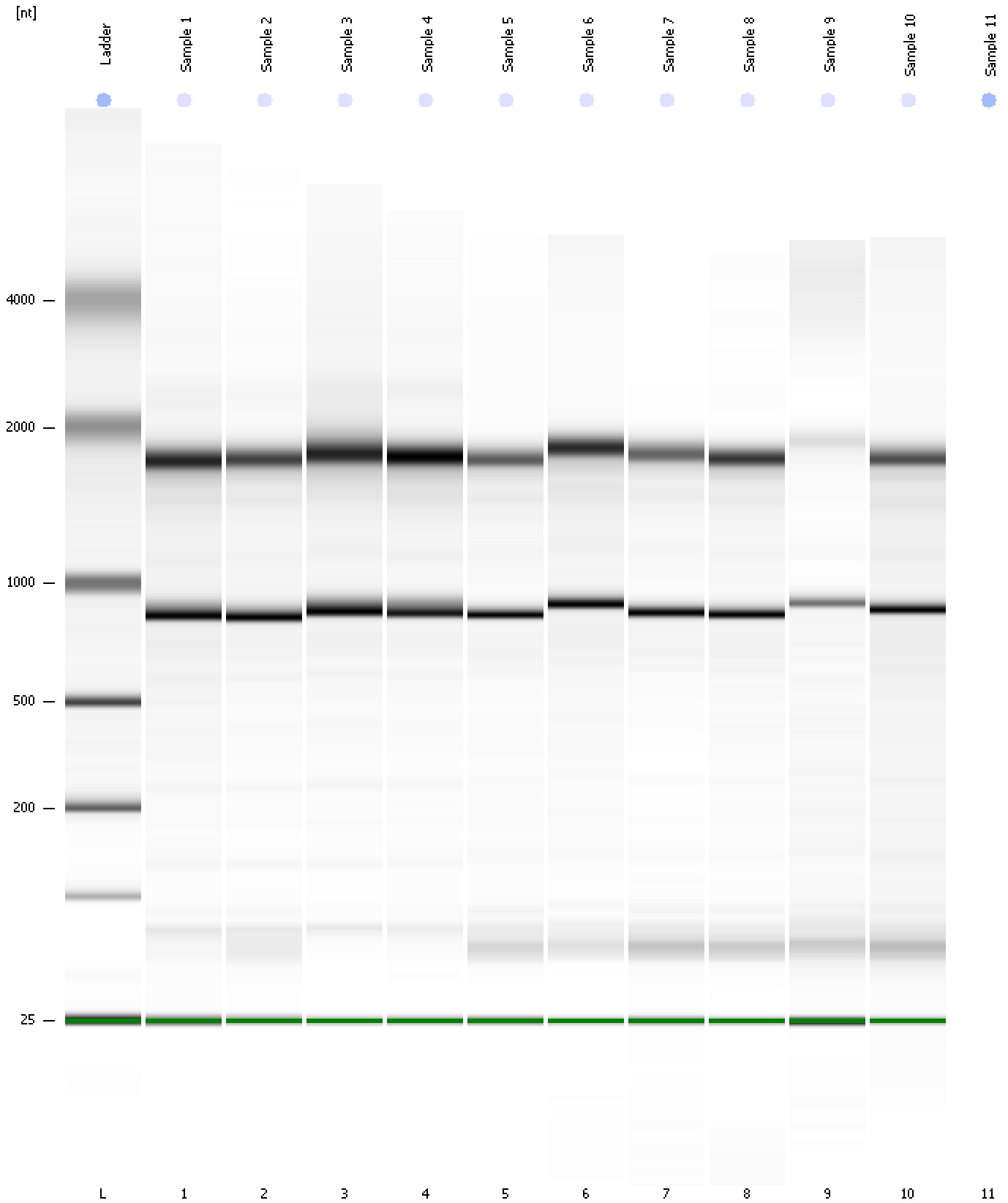
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	830	987	42.1	17.7
28S	1,599	2,099	47.6	20.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-29\2017-08-29_002.xad

Created: 8/29/2017 2:39:41 PM
Modified: 8/29/2017 3:06:30 PM

Invalid Samples

Sample 11 has not been run, no results available.