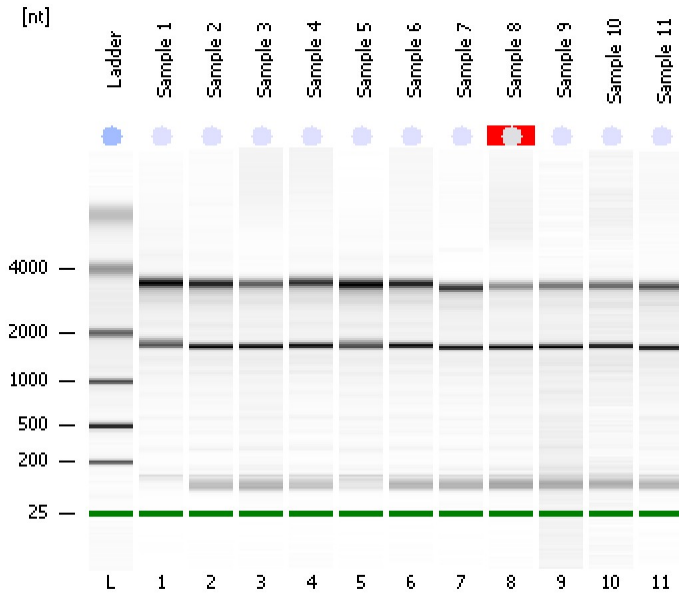


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electrophoresis File Run Summary



Instrument Information:

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

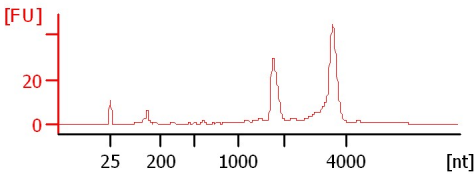
Assay Information:

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)
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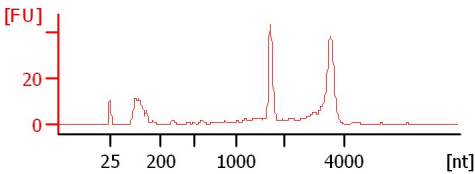
Chip Information:

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

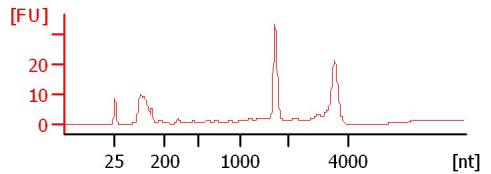
Sample 1
RIN: 9.70



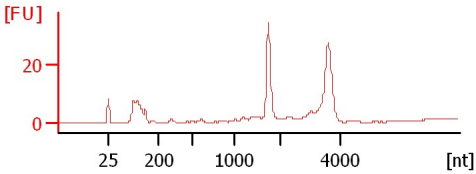
Sample 2
RIN: 8.90



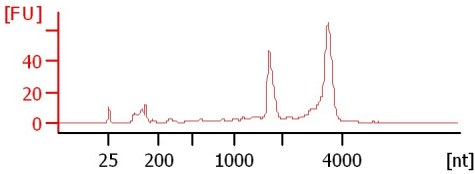
Sample 3
RIN: 8.20



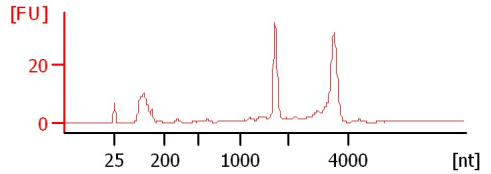
Sample 4
RIN: 9.10



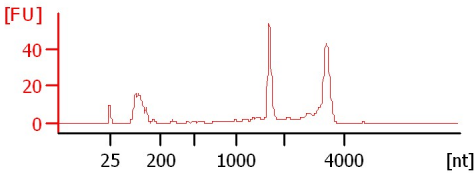
Sample 5
RIN: 9.20



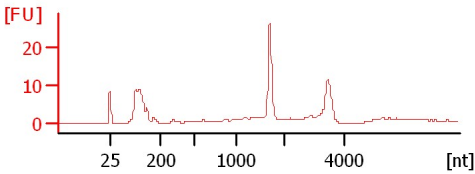
Sample 6
RIN: 9



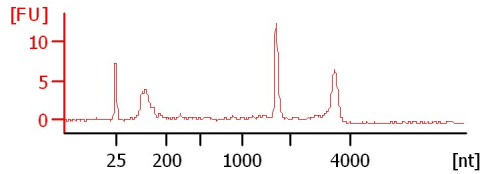
Sample 7
RIN: 8.80



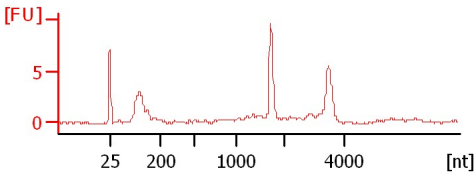
Sample 8
RIN N/A



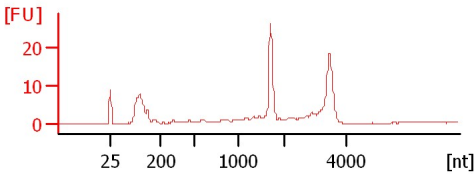
Sample 9
RIN: 8.10



Sample 10
RIN: 8.40



Sample 11
RIN: 8.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.70	
Sample 2		✓	RIN: 8.90	
Sample 3		✓	RIN: 8.20	
Sample 4		✓	RIN: 9.10	
Sample 5		✓	RIN: 9.20	
Sample 6		✓	RIN:9	
Sample 7		✓	RIN: 8.80	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 8.10	
Sample 10		✓	RIN: 8.40	
Sample 11		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 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

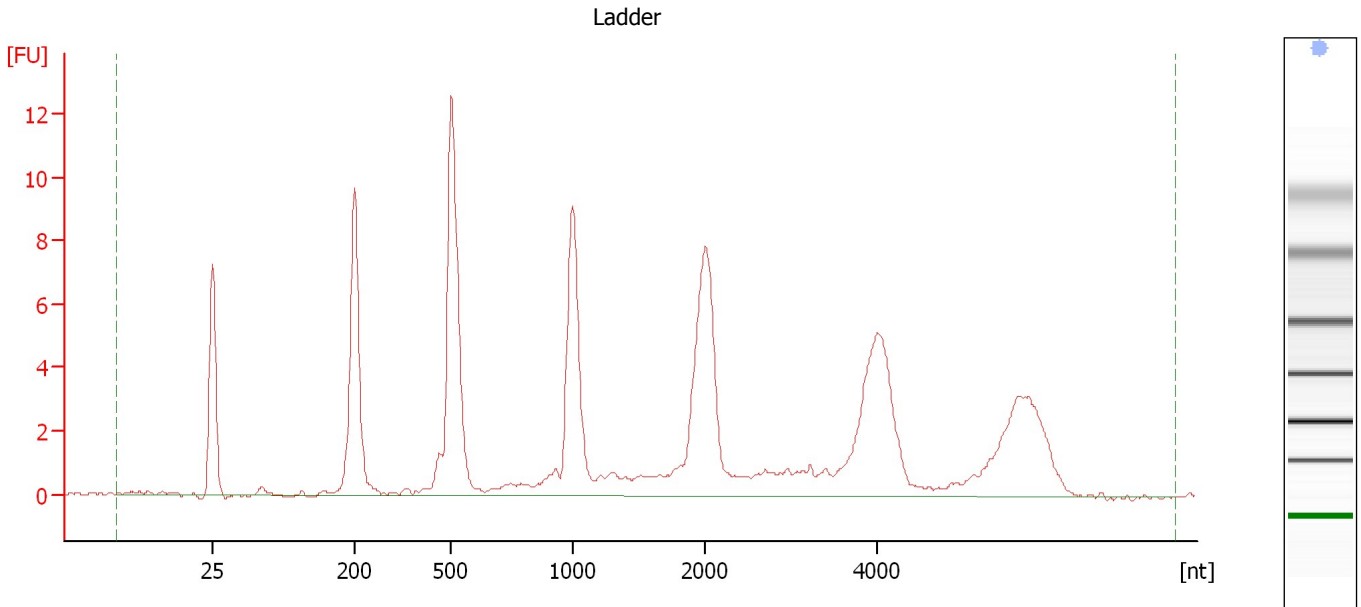
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary



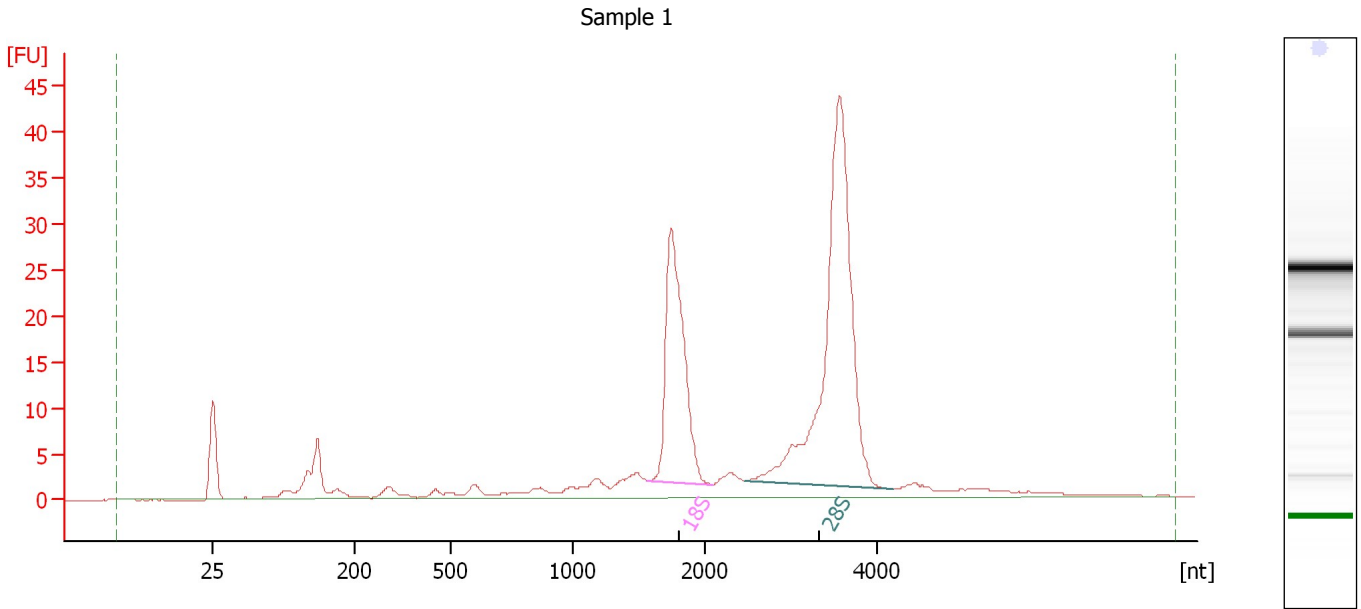
Overall Results for Ladder

RNA Area:	120.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	270.9	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	2,255 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.70

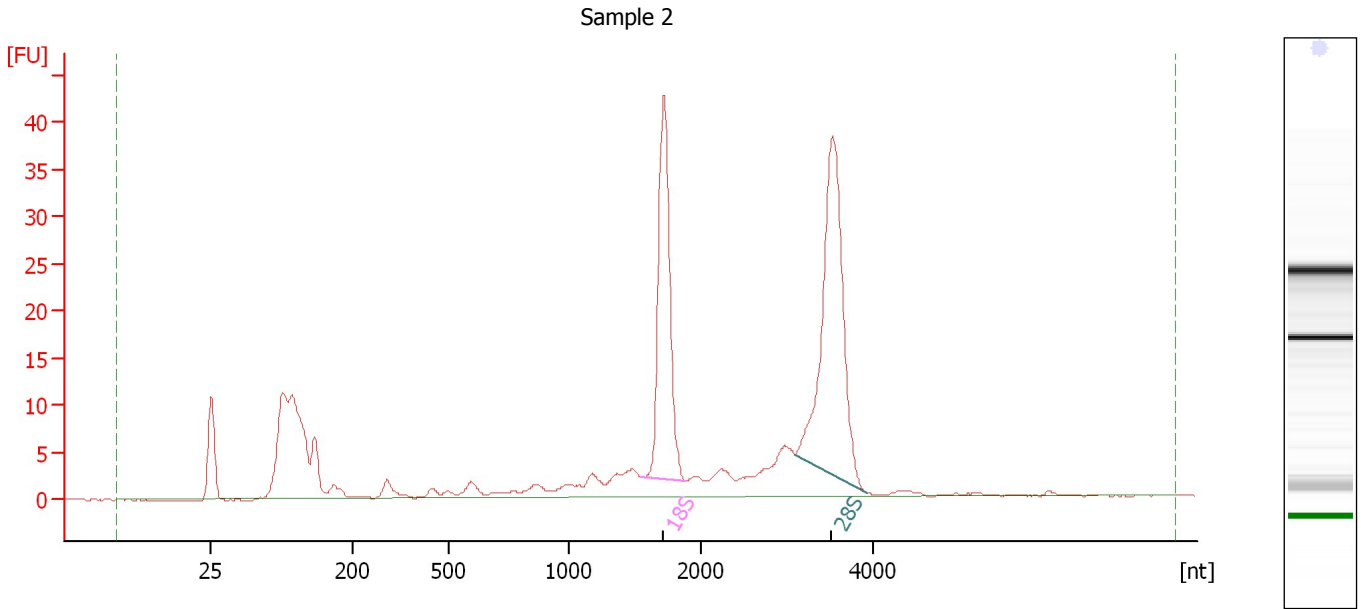
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	2,086	59.0	21.8
28S	2,459	4,186	111.2	41.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	284.7	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	2,369 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

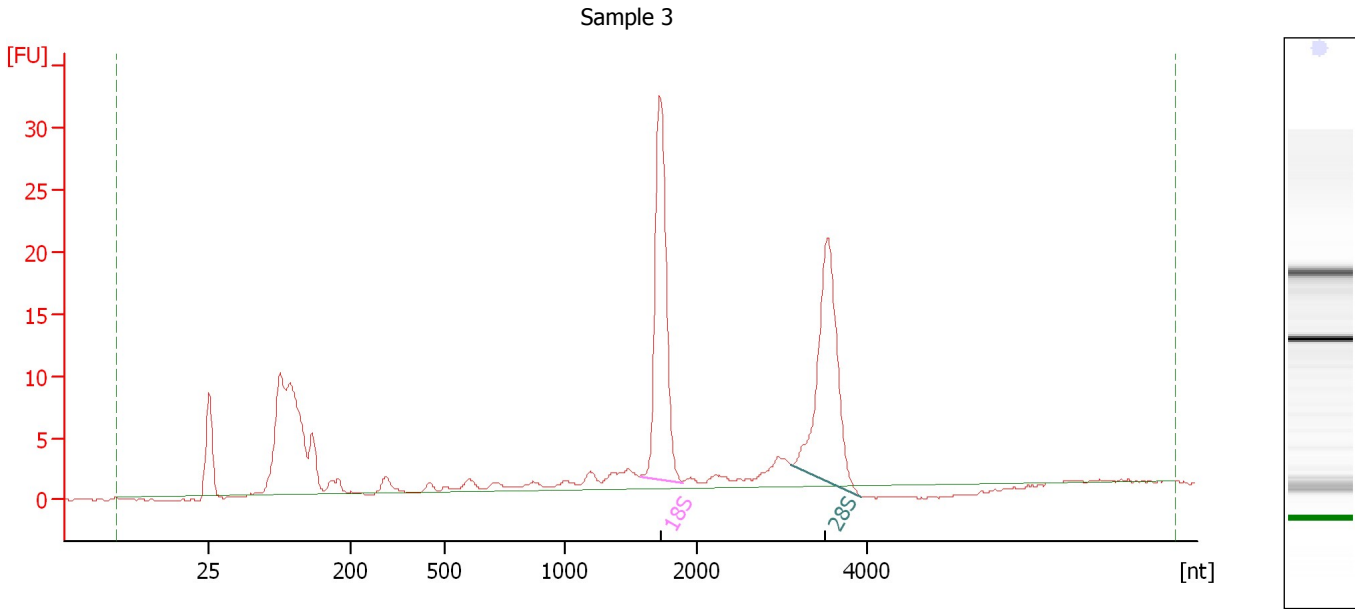
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,878	55.2	19.4
28S	3,084	3,920	75.1	26.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	173.7	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	1,445 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.20

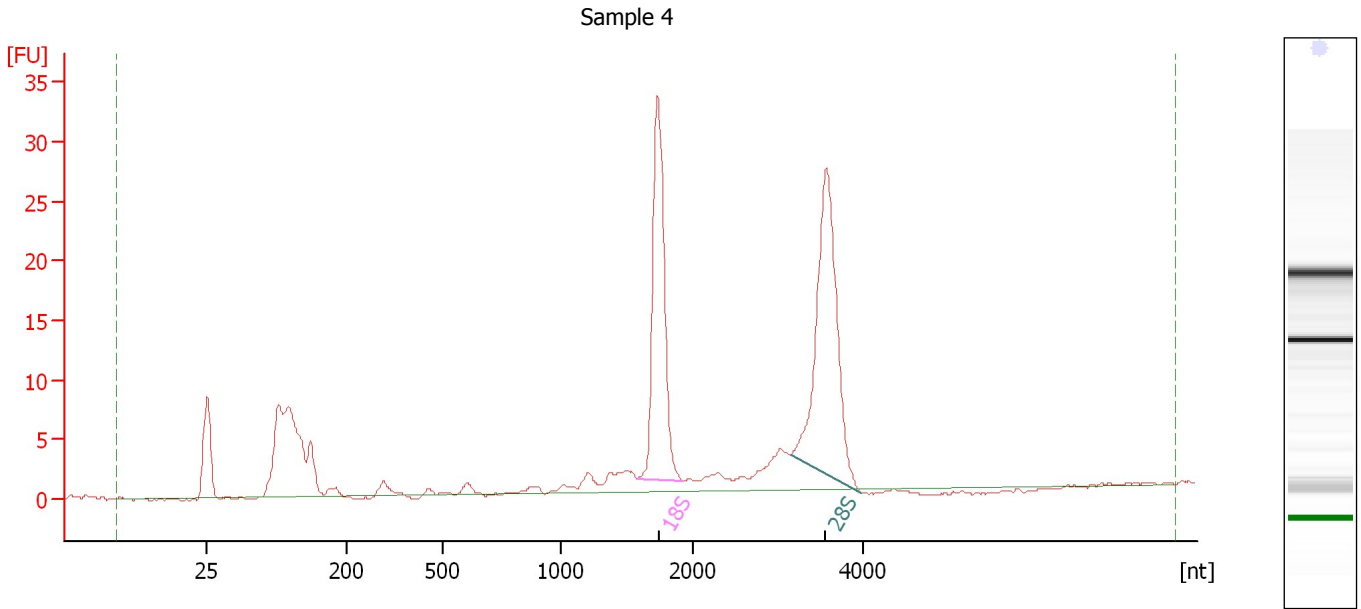
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,885	41.0	23.6
28S	3,100	3,914	39.2	22.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area: 188.6 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 1,570 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 9.10

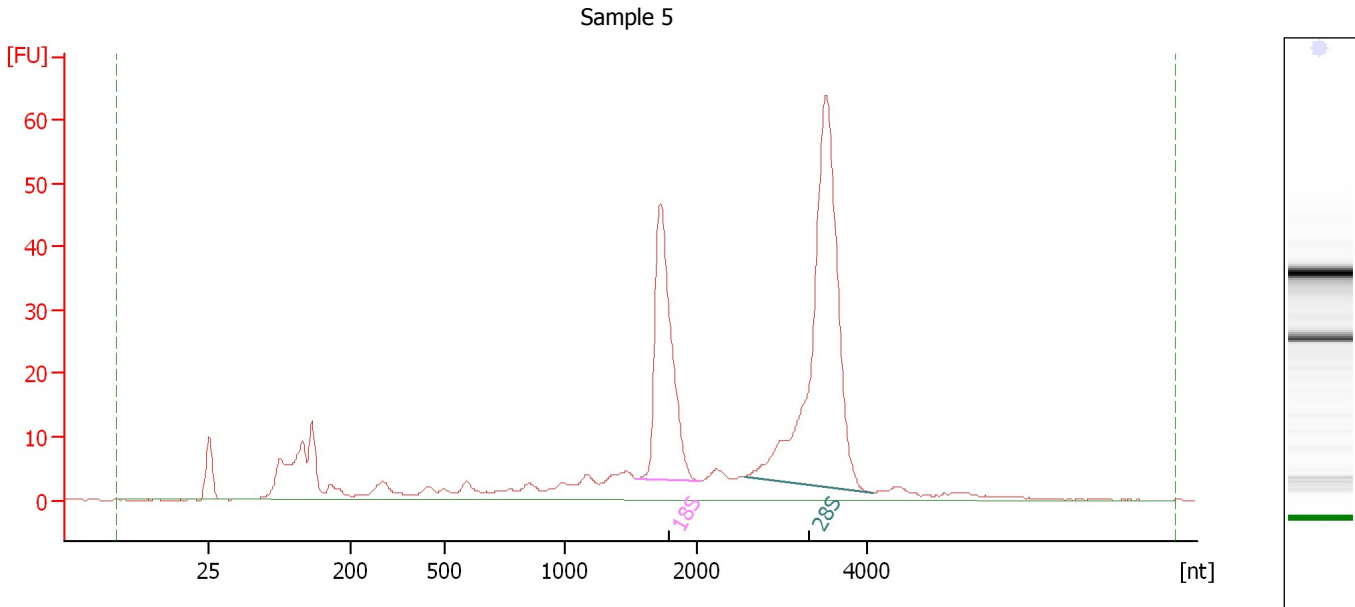
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,925	44.9	23.8
28S	3,141	3,972	53.4	28.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	453.1	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	3,771 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.20

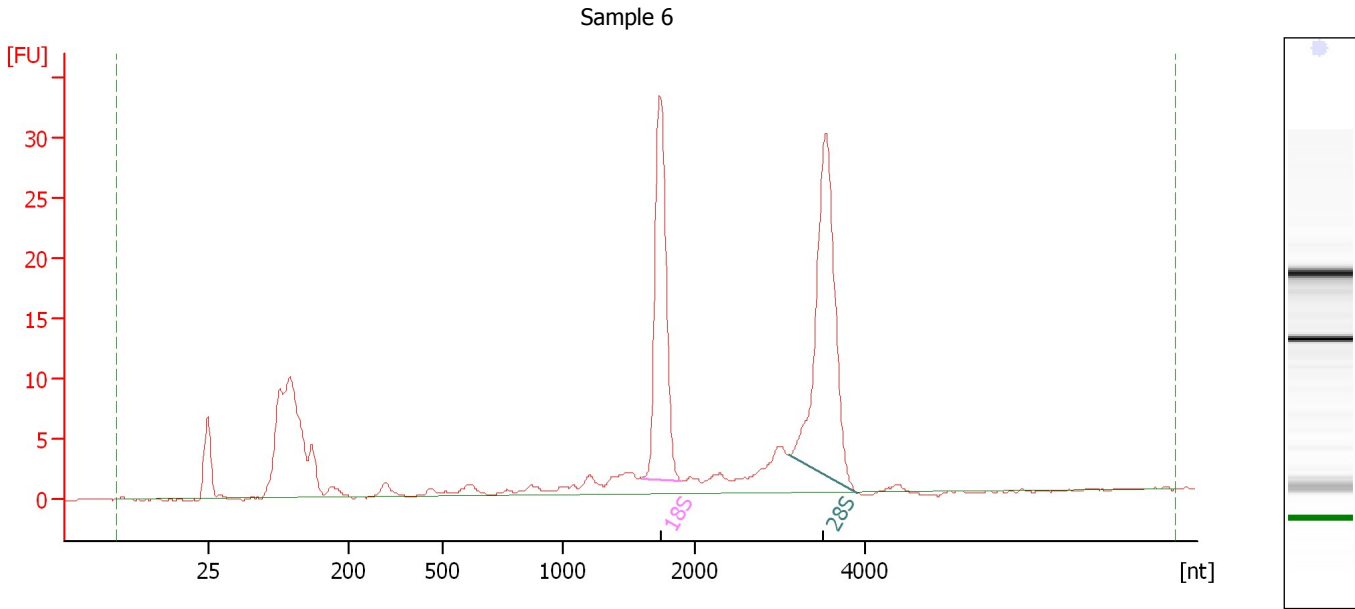
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	2,048	85.3	18.8
28S	2,561	4,064	165.8	36.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area: 204.9 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 1,705 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN:9

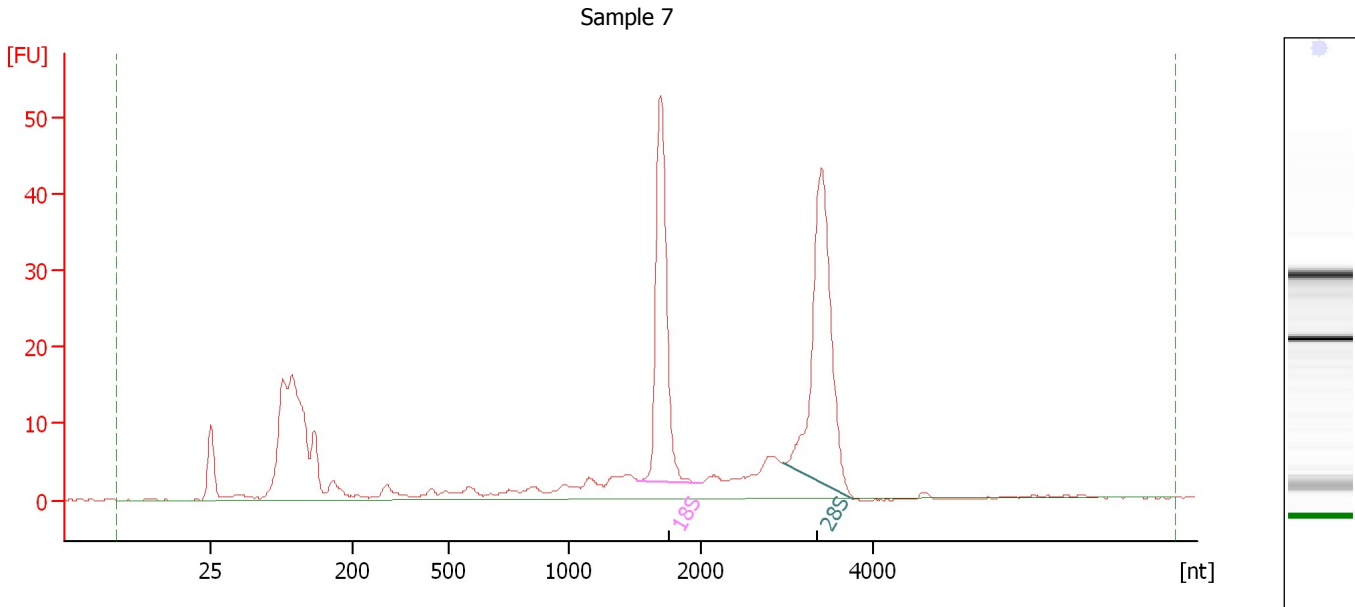
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,893	42.6	20.8
28S	3,102	3,893	54.9	26.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	339.8	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	2,828 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

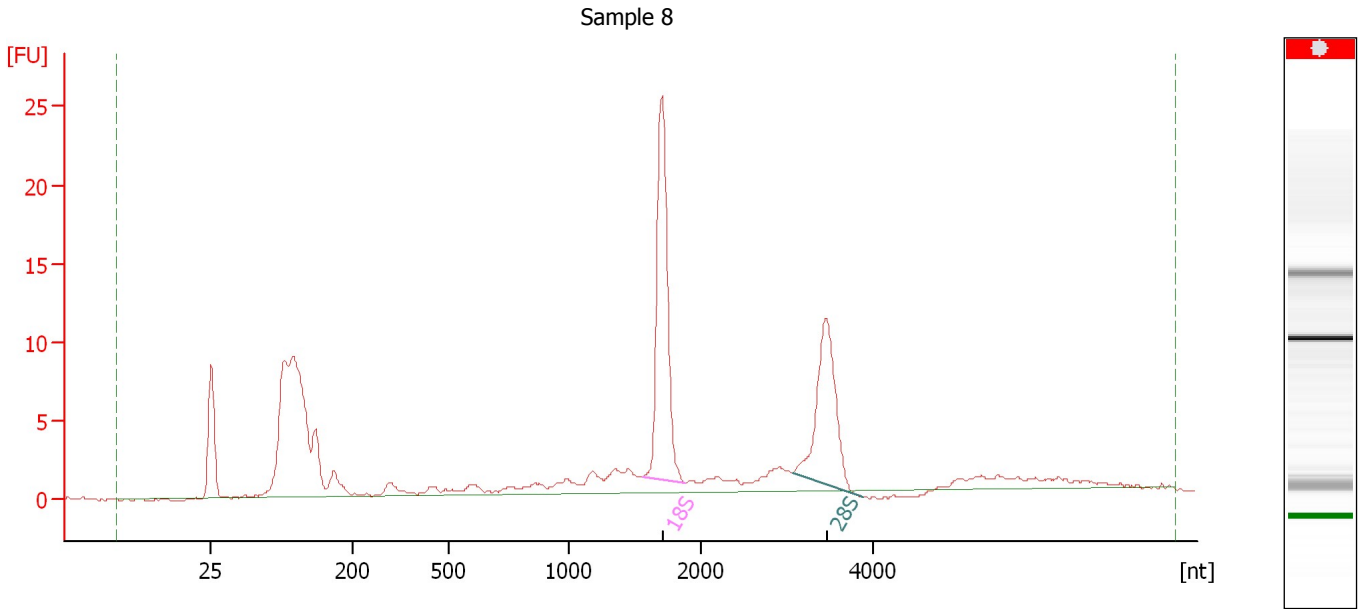
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,991	64.0	18.8
28S	2,959	3,770	78.5	23.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	147.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,230 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

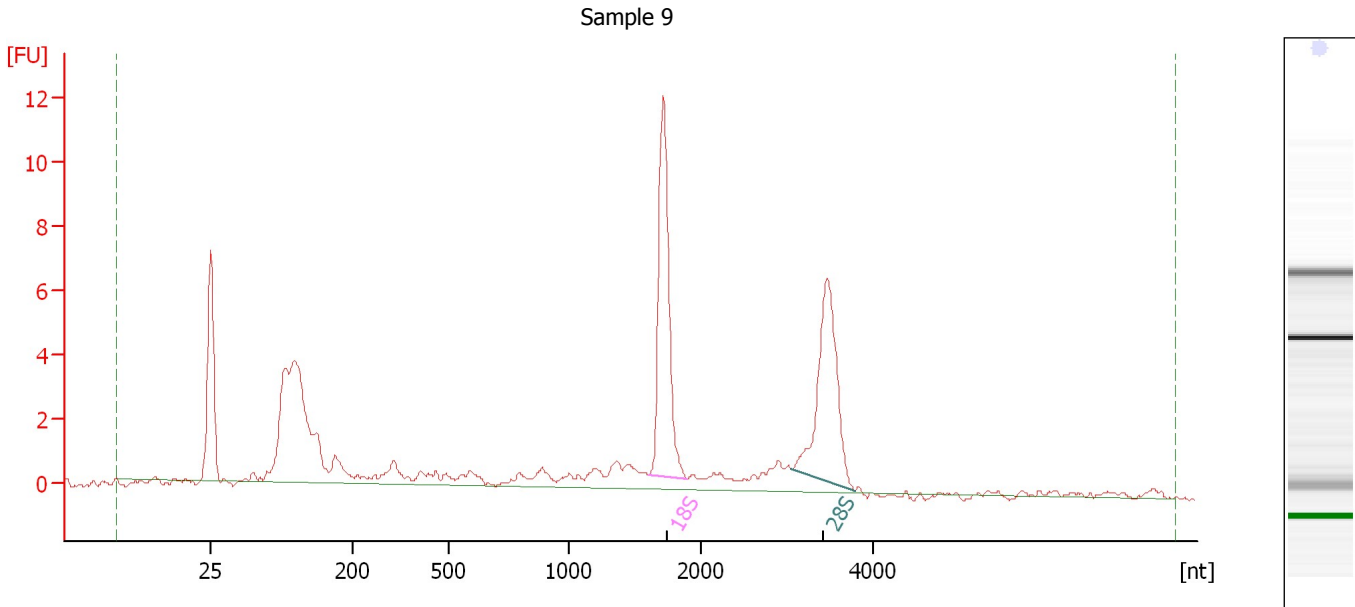
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,870	30.6	20.7
28S	3,059	3,882	20.6	13.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	69.8	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	581 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.10

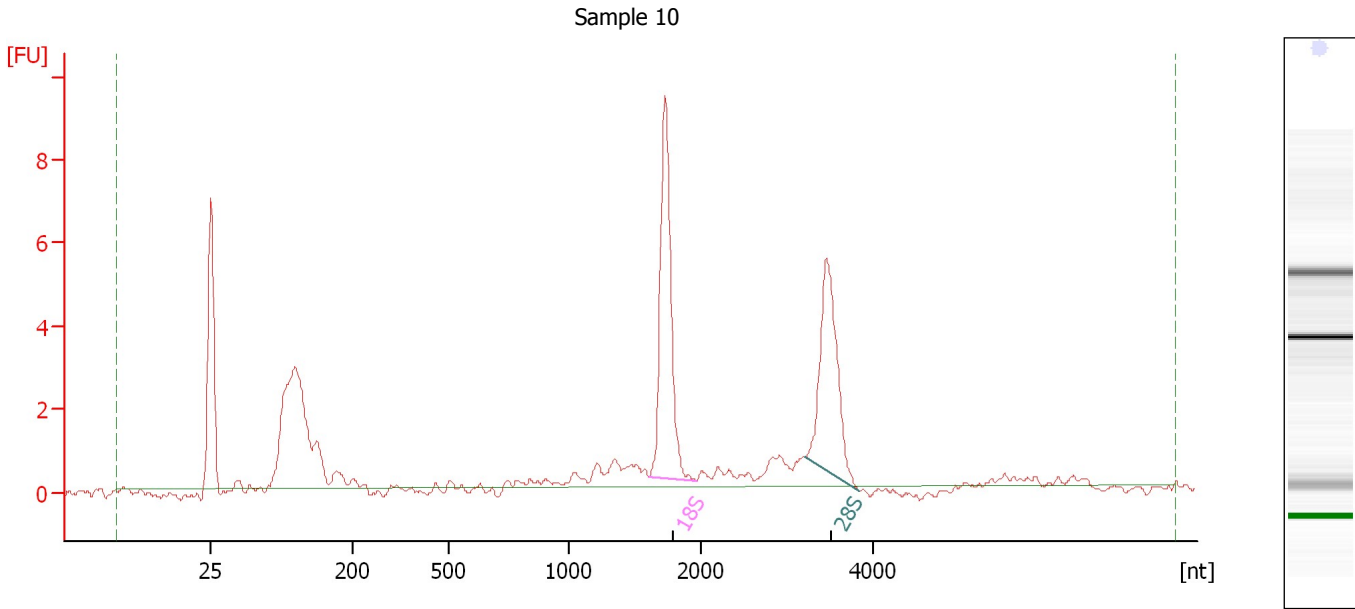
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	1,894	14.3	20.5
28S	3,034	3,782	12.4	17.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area: 48.3 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 402 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 8.40

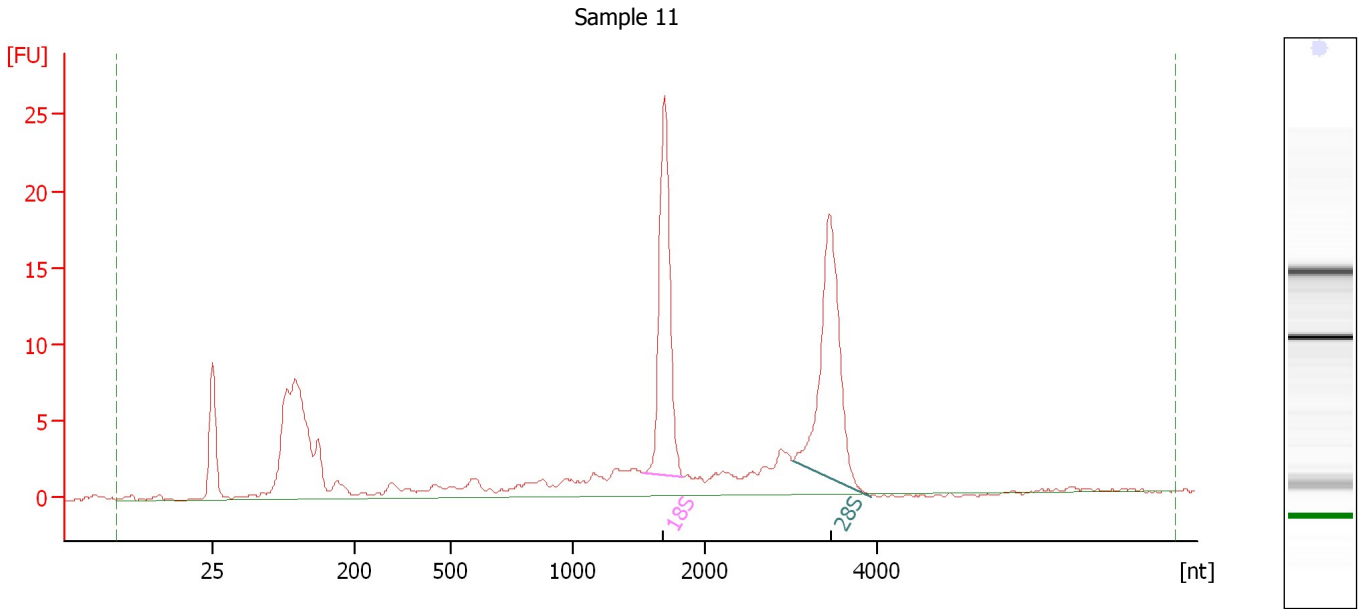
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,959	11.7	24.2
28S	3,209	3,832	8.9	18.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	168.6	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,404 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,832	31.2	18.5
28S	3,006	3,913	33.2	19.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2017-08-30\2017-08-30\2017-08-30_001.xad

Created: 8/30/2017 2:55:22 PM
Modified: 8/30/2017 3:18:18 PM

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