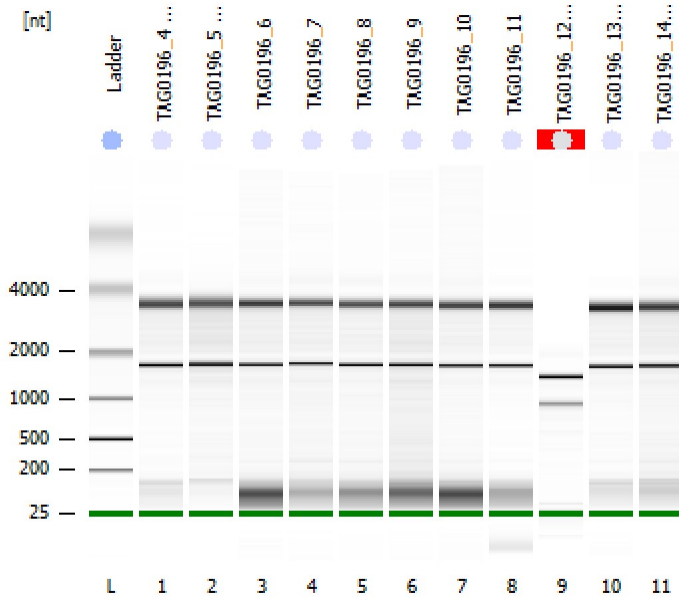


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electrophoresis File Run Summary



Instrument Information:

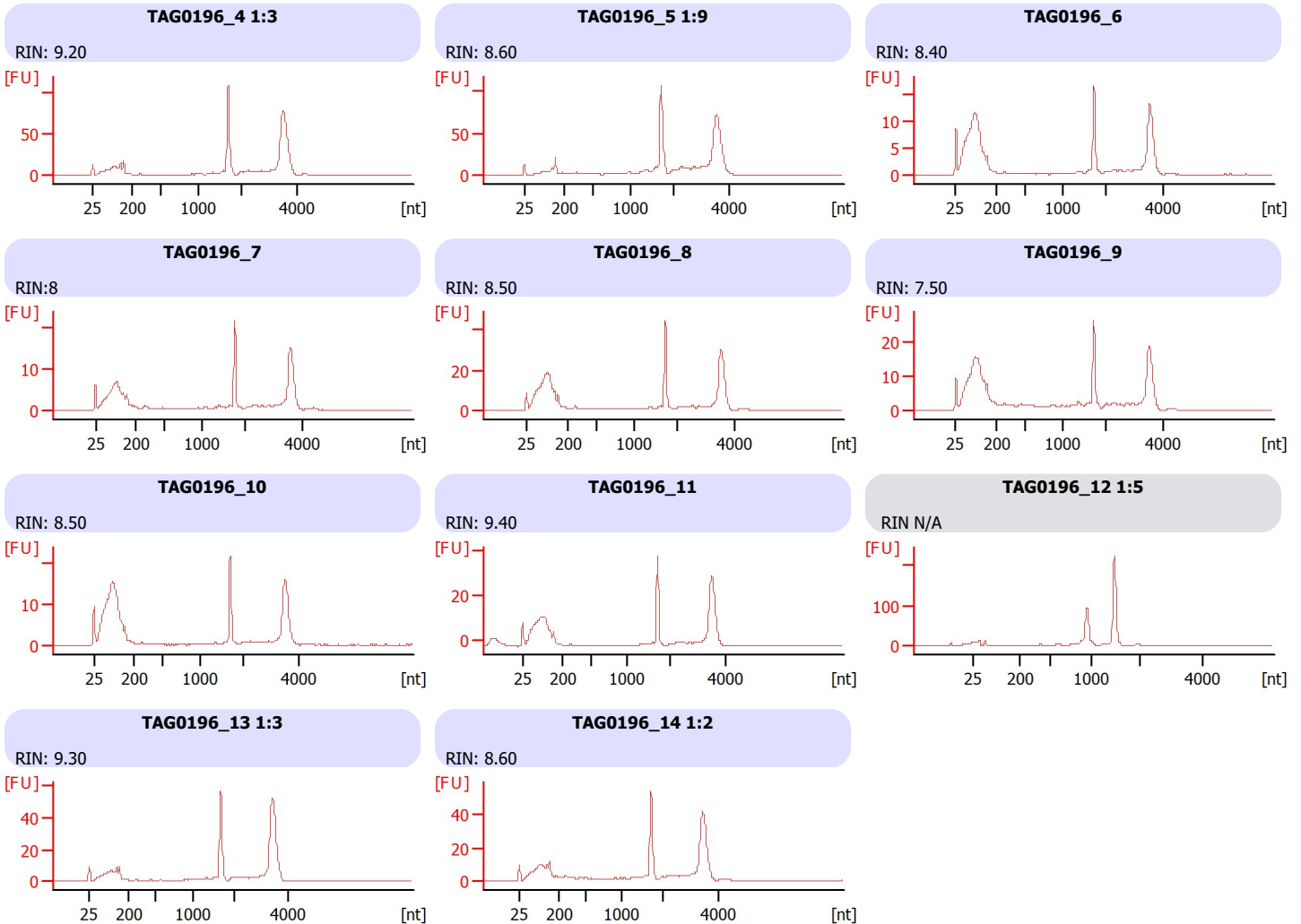
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:



Assay Class: Eukaryote Total RNA Pico Created: 2/14/2023 6:13:49 PM
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad Modified: 2/21/2023 7:26:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0196_4 1:3		✓	RIN: 9.20	
TAG0196_5 1:9		✓	RIN: 8.60	
TAG0196_6		✓	RIN: 8.40	
TAG0196_7		✓	RIN:8	
TAG0196_8		✓	RIN: 8.50	
TAG0196_9		✓	RIN: 7.50	
TAG0196_10		✓	RIN: 8.50	
TAG0196_11		✓	RIN: 9.40	
TAG0196_12 1:5		✓	RIN N/A	
TAG0196_13 1:3		✓	RIN: 9.30	
TAG0196_14 1:2		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
Modified: 2/21/2023 7:26:42 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

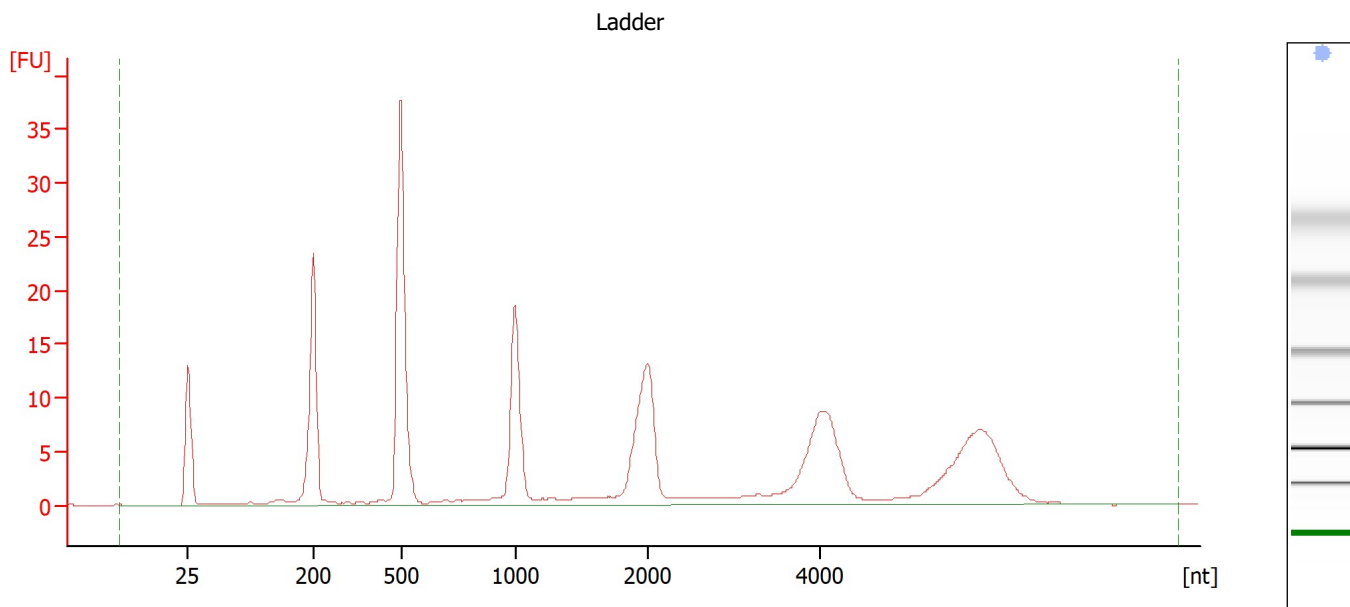
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary



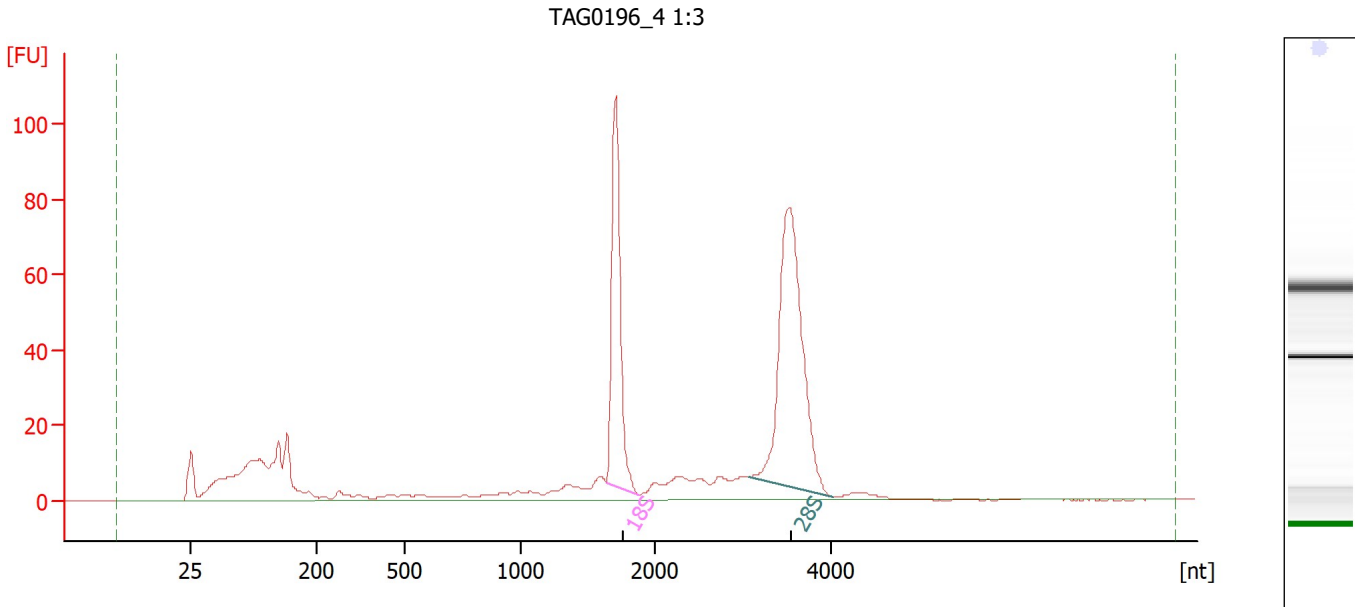
Overall Results for Ladder

RNA Area:	221.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG0196 4 1:3

RNA Area:	607.5	RNA Integrity Number (RIN):	9.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,740 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.20

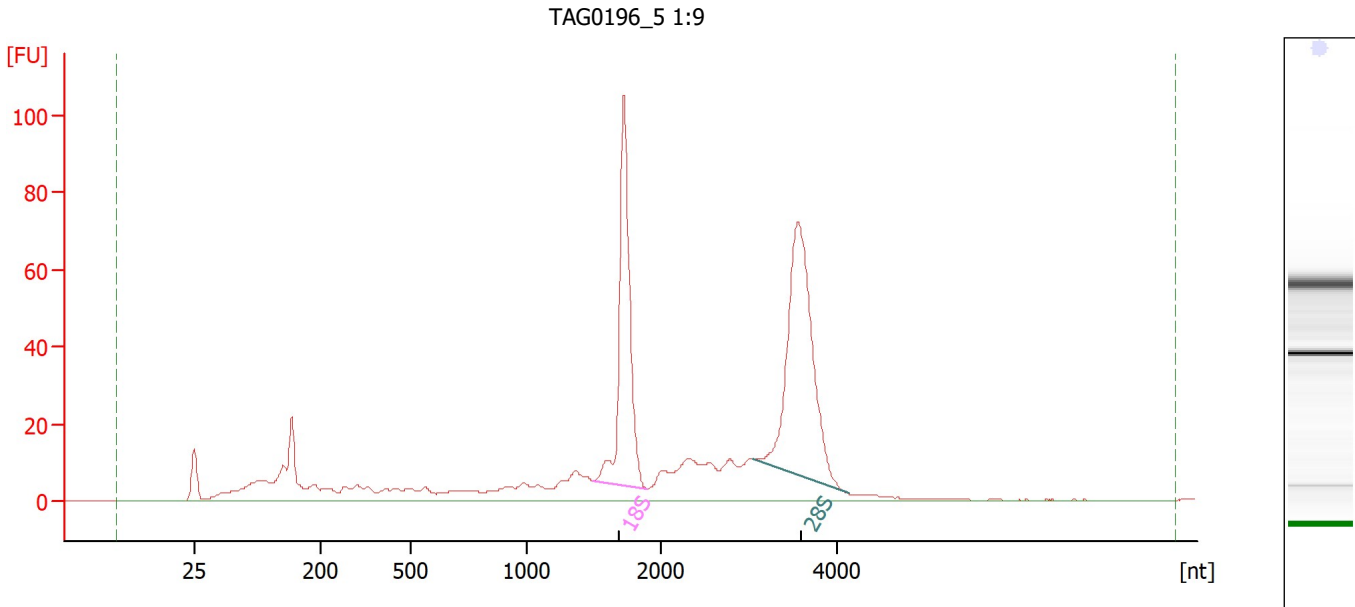
Fragment table for sample 1 : TAG0196 4 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	1,874	107.2	17.7
28S	3,077	4,042	182.5	30.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG0196 5 1:9

RNA Area:	690.8	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,116 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.60

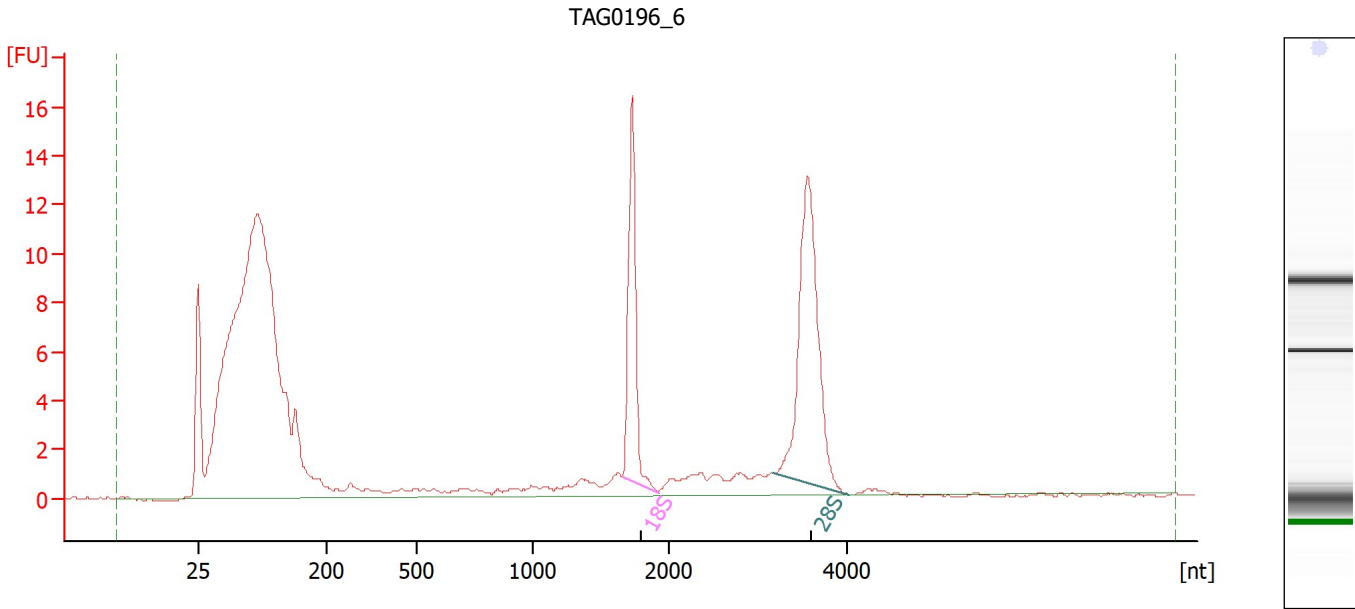
Fragment table for sample 2 : TAG0196 5 1:9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,892	130.0	18.8
28S	3,048	4,128	172.2	24.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0196_6

RNA Area:	184.2	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	831 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.40

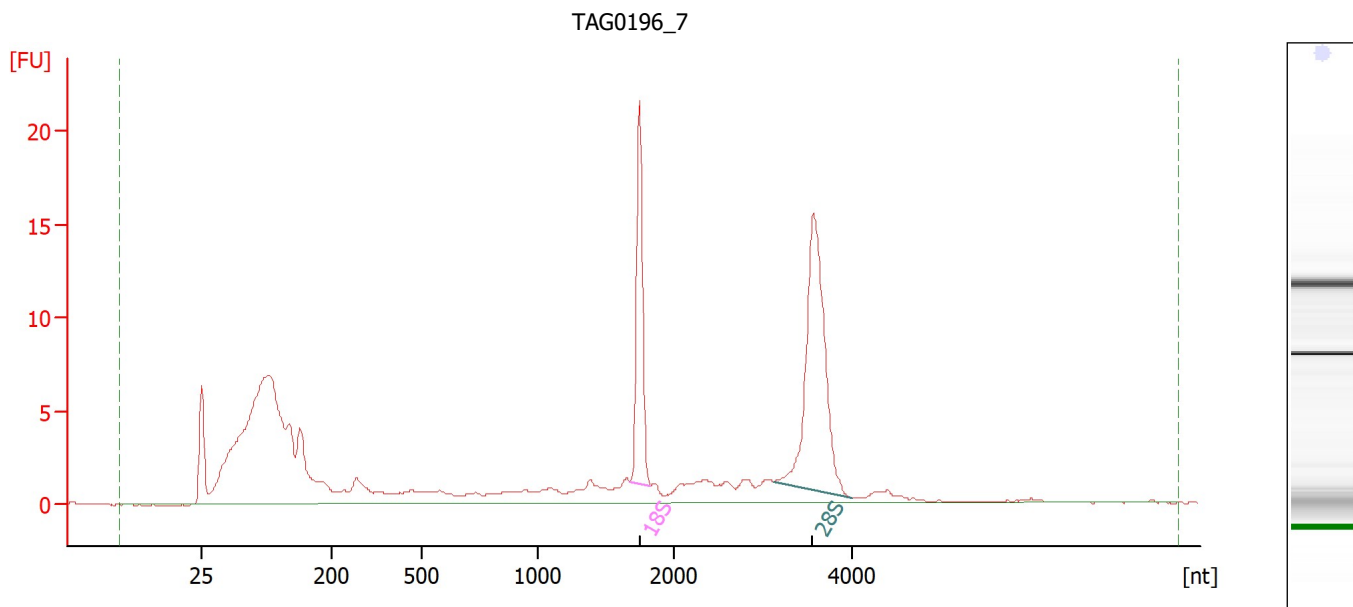
Fragment table for sample 3 : TAG0196_6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,918	13.7	7.5
28S	3,150	4,028	24.7	13.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0196_7

RNA Area:	169.5	RNA Integrity Number (RIN):	8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	765 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:8

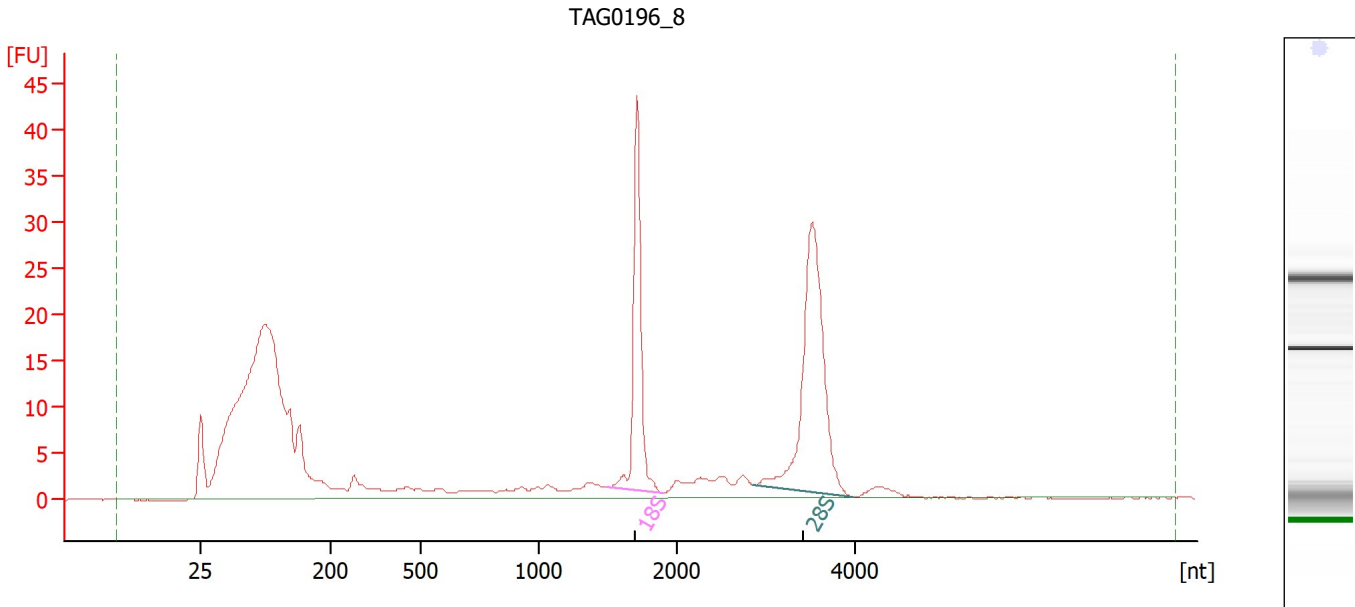
Fragment table for sample 4 : TAG0196_7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	1,817	16.2	9.6
28S	3,112	4,000	28.5	16.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0196_8

RNA Area:	368.8	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,663 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.50

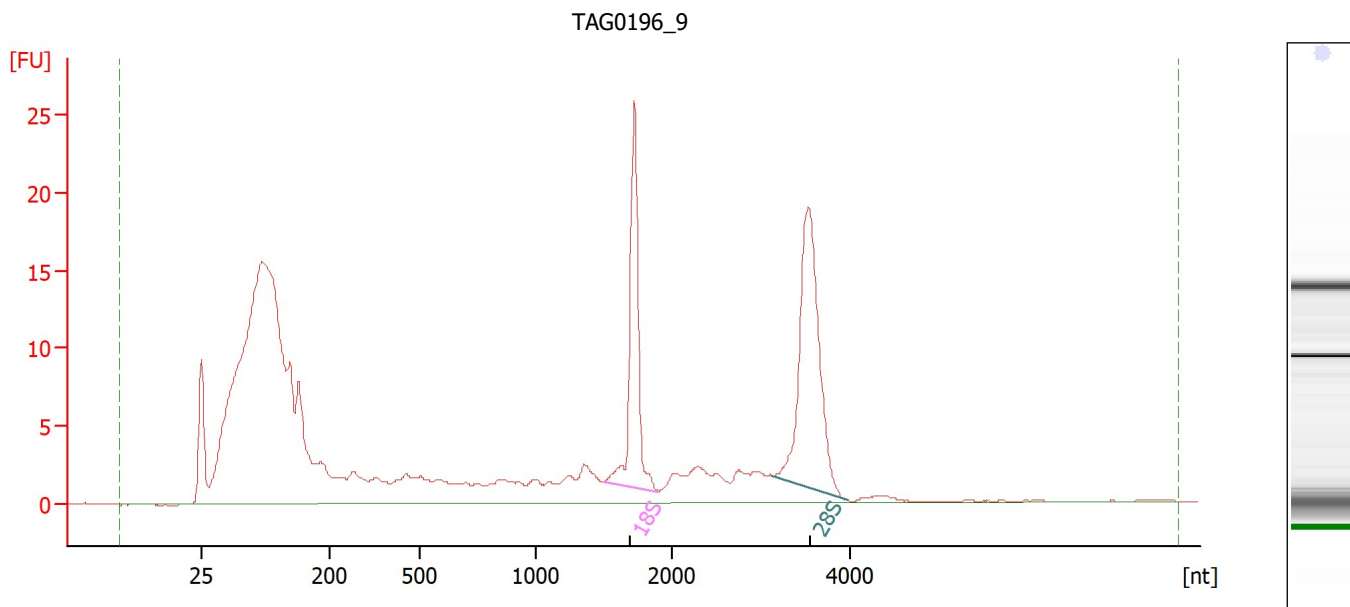
Fragment table for sample 5 : TAG0196_8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,896	40.7	11.0
28S	2,869	3,969	62.9	17.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0196_9

RNA Area:	320.0	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,443 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.50

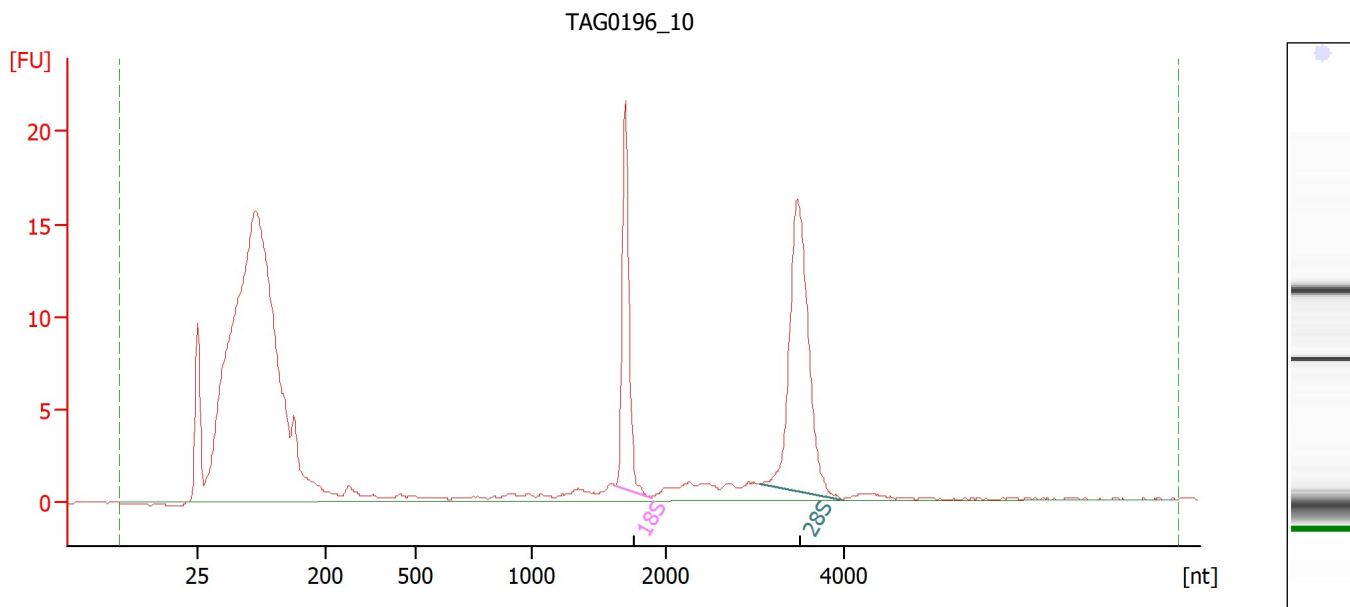
Fragment table for sample 6 : TAG0196_9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,894	24.8	7.8
28S	3,126	3,980	36.6	11.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0196_10

RNA Area:	231.4	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,044 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.50

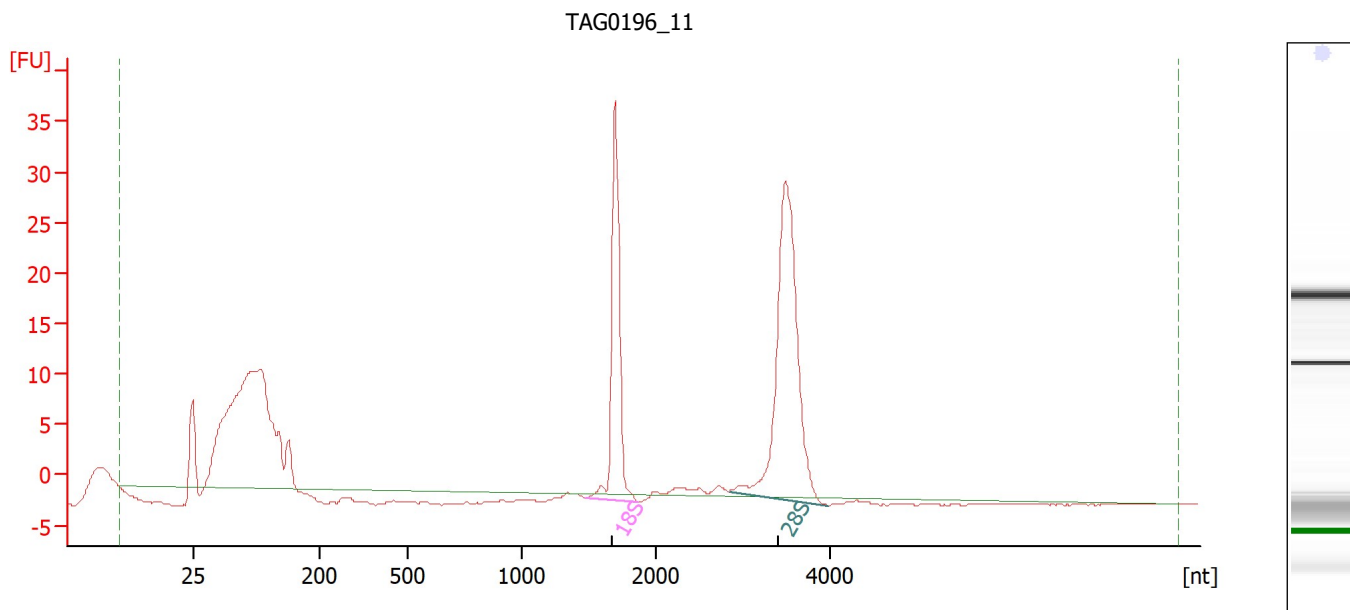
Fragment table for sample 7 : TAG0196_10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	1,885	18.4	7.9
28S	3,046	3,991	31.6	13.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG0196_11

RNA Area:	225.5	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,017 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.40

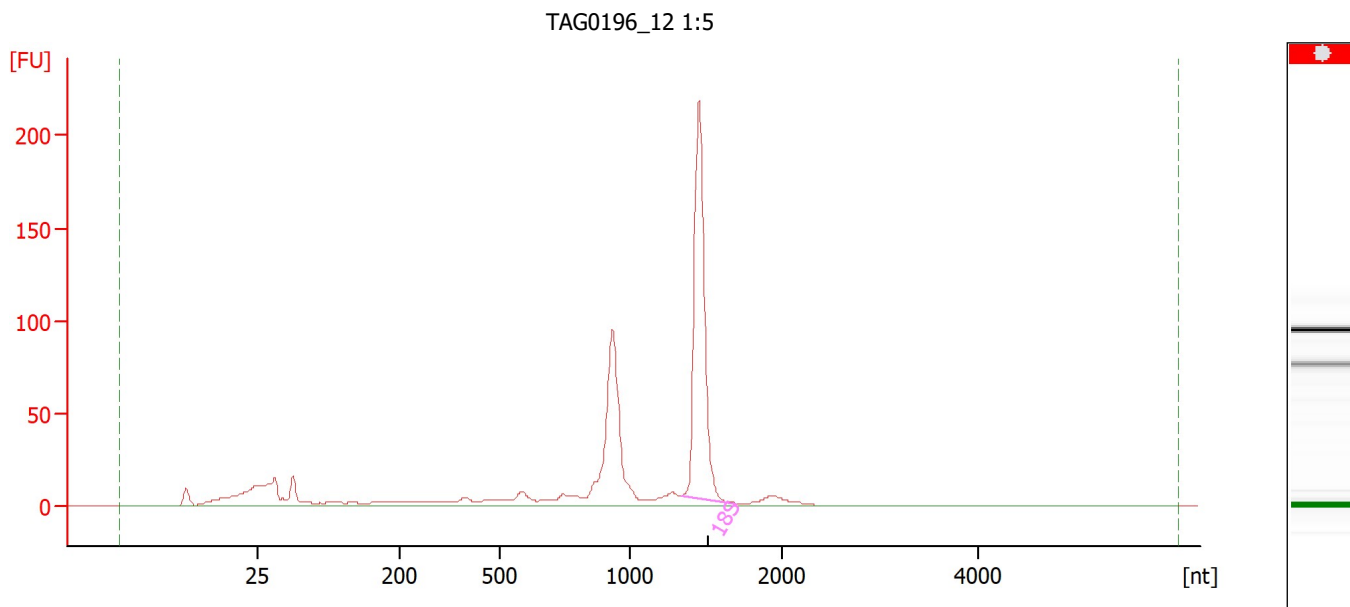
Fragment table for sample 8 : TAG0196_11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,474	1,865	37.5	16.6
28S	2,834	3,960	68.8	30.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0196_12 1:5

RNA Area:	673.0	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,035 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

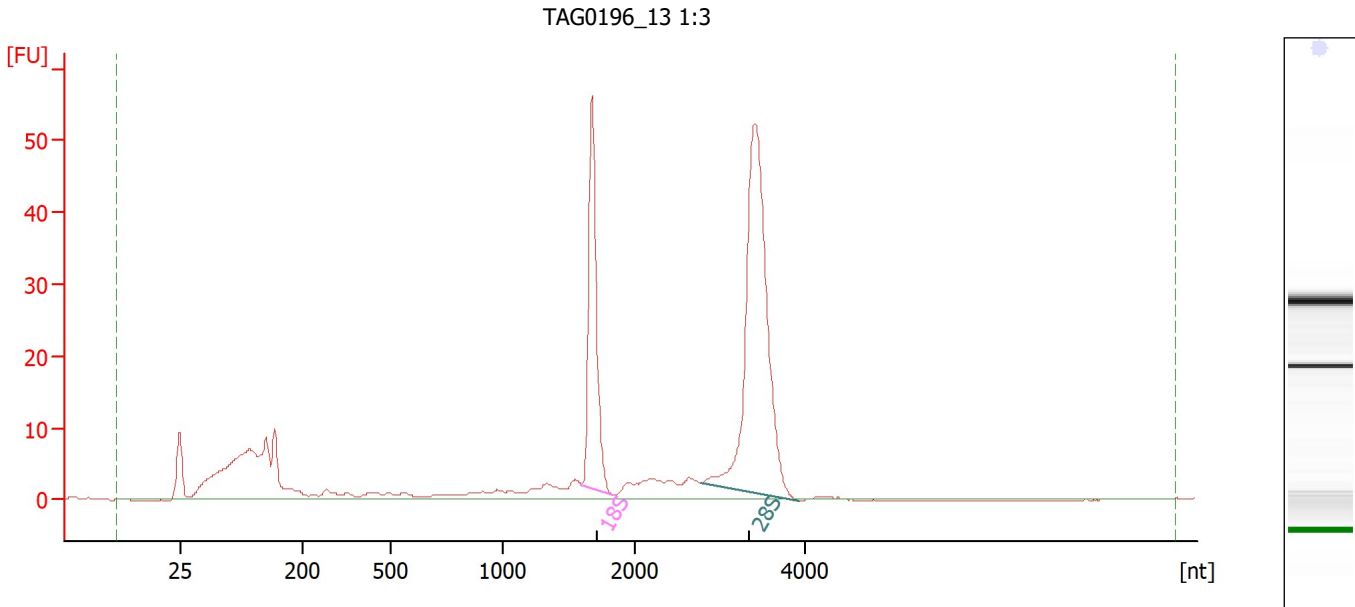
Fragment table for sample 9 : TAG0196_12 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,338	1,705	252.5	37.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0196_13 1:3

RNA Area:	328.8	RNA Integrity Number (RIN):	9.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,483 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.30

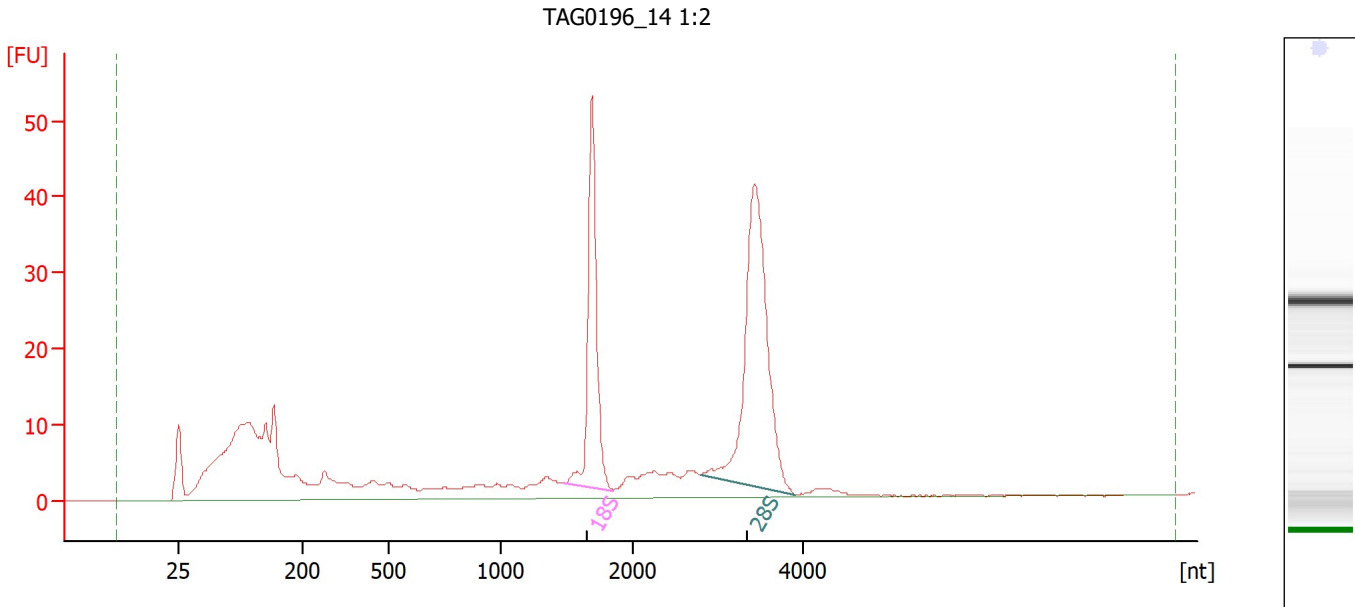
Fragment table for sample 10 : TAG0196_13 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	1,834	56.8	17.3
28S	2,783	3,919	118.5	36.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
 Modified: 2/21/2023 7:26:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0196_14 1:2

RNA Area:	397.6	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,793 pg/μl		
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.60

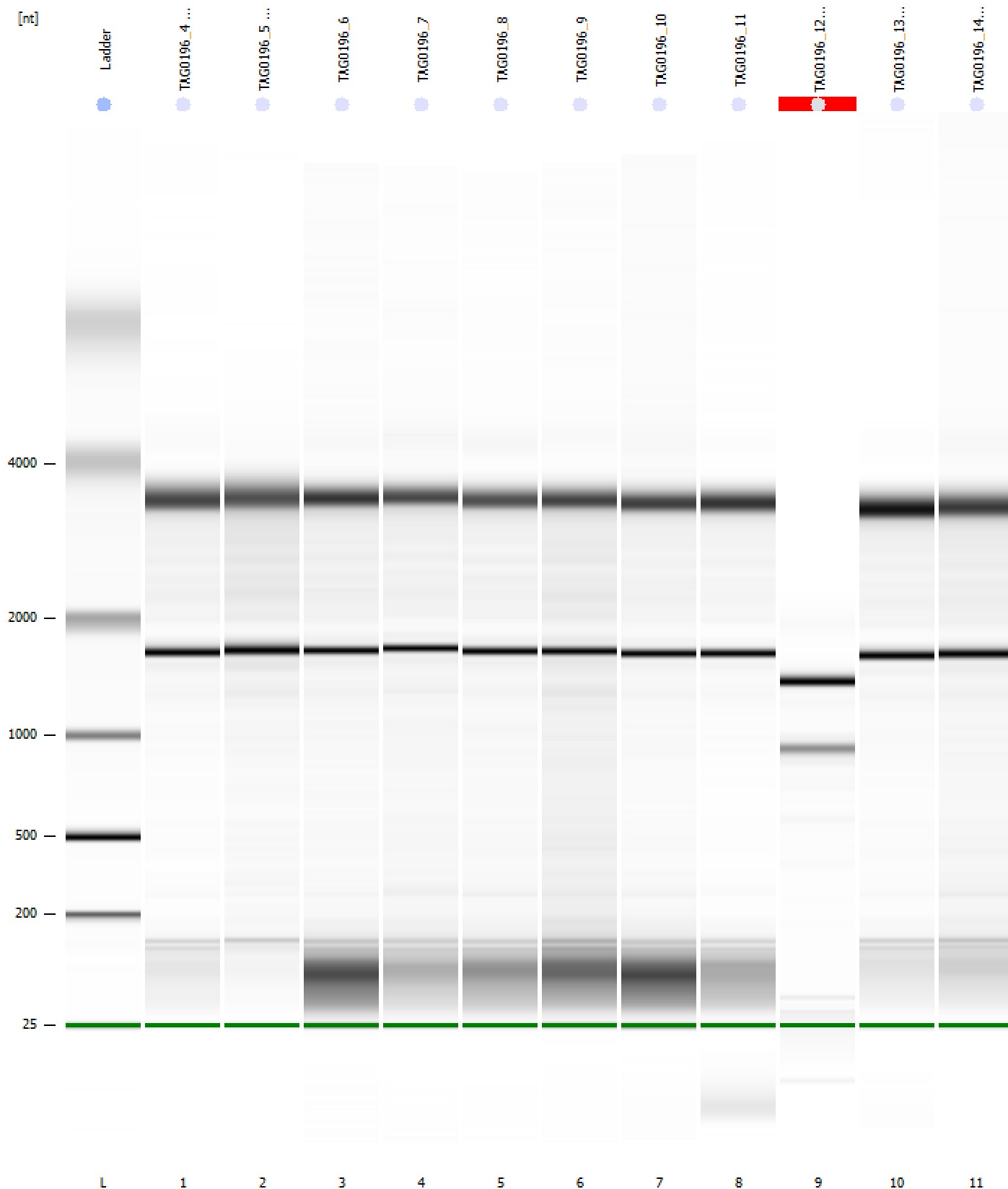
Fragment table for sample 11 : TAG0196_14 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,466	1,858	58.0	14.6
28S	2,796	3,910	95.9	24.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad

Created: 2/14/2023 6:13:49 PM
Modified: 2/21/2023 7:26:42 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico Created: 2/14/2023 6:13:49 PM
 Data Path: C:\...ico_2023-02-14_TAG0196_RNA_QC_Canter_Farley_samples4-14.xad Modified: 2/21/2023 7:26:42 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		2/14/2023 6:35:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-14_002.xad)		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/14/2023 6:13:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB