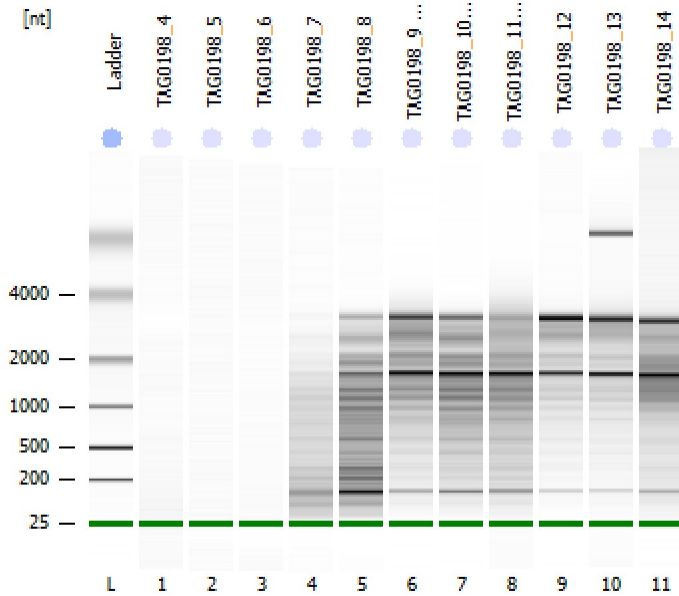


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
Modified: 2/13/2023 4:59:39 PM

Electrophoresis File Run Summary



Instrument Information:

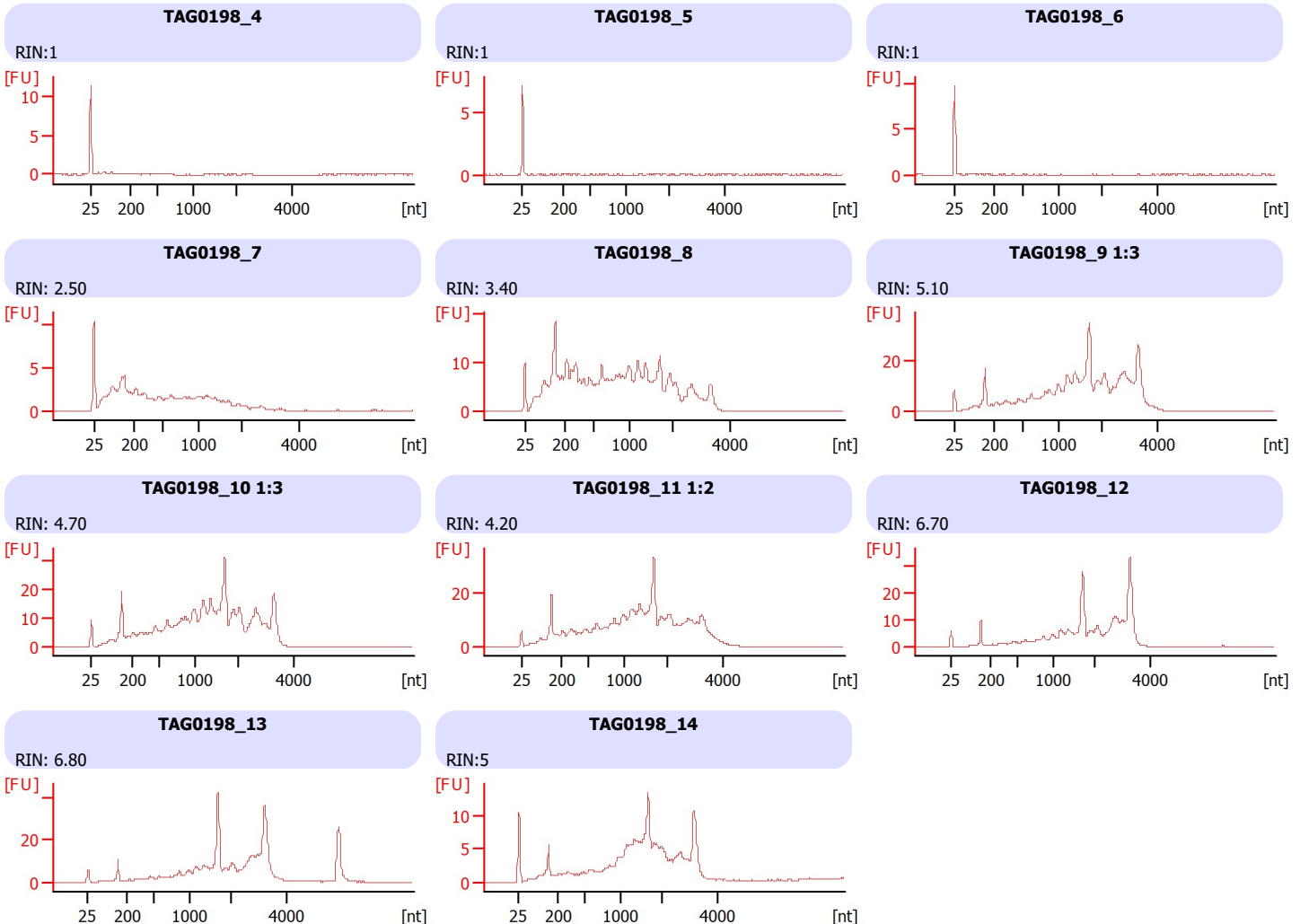
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0198_4		✓	RIN:1	
TAG0198_5		✓	RIN:1	
TAG0198_6		✓	RIN:1	
TAG0198_7		✓	RIN: 2.50	
TAG0198_8		✓	RIN: 3.40	
TAG0198_9 1:3		✓	RIN: 5.10	
TAG0198_10 1:3		✓	RIN: 4.70	
TAG0198_11 1:2		✓	RIN: 4.20	
TAG0198_12		✓	RIN: 6.70	
TAG0198_13		✓	RIN: 6.80	
TAG0198_14		✓	RIN:5	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

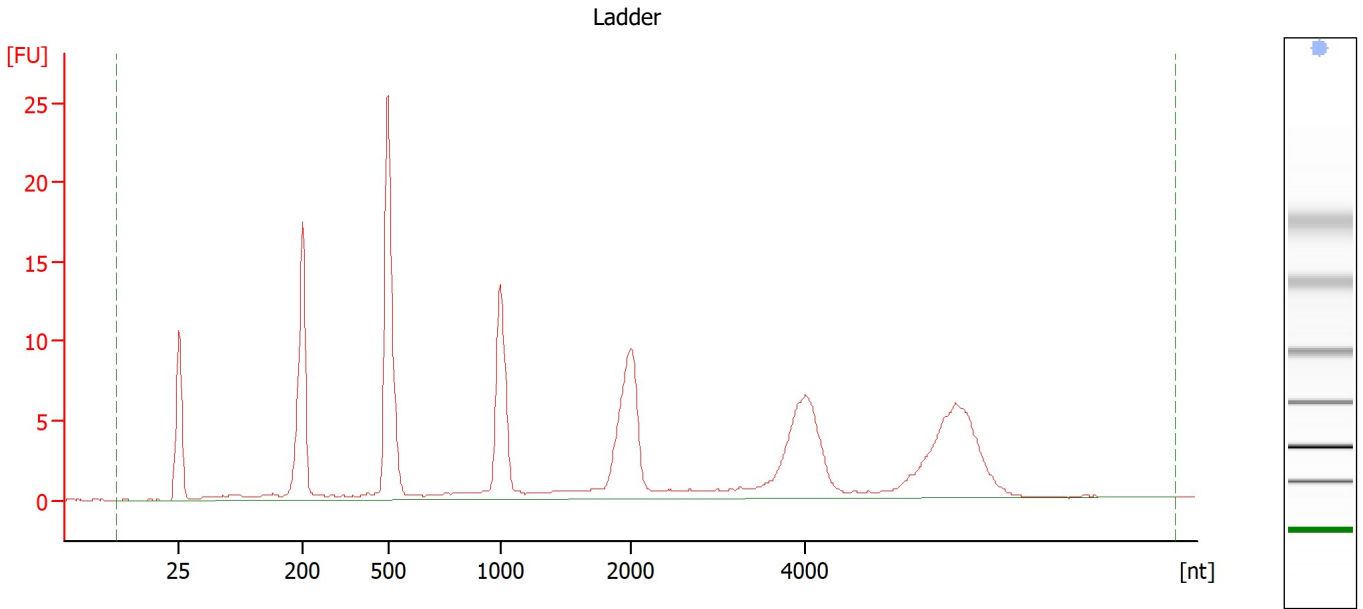
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary



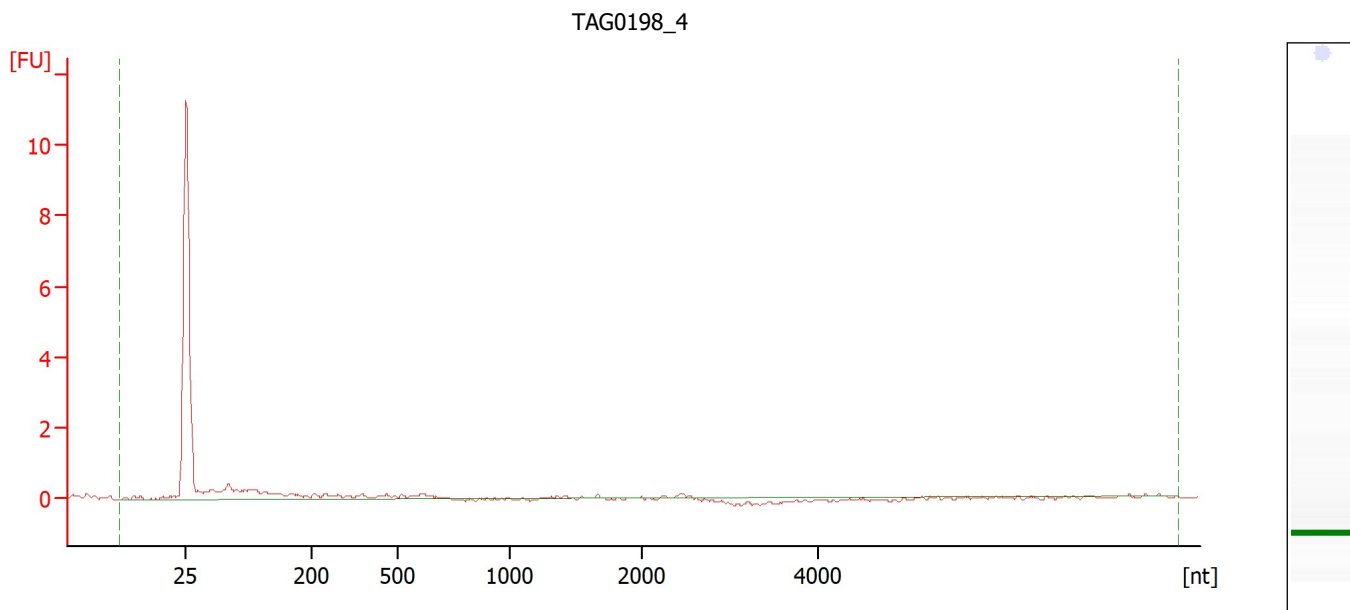
Overall Results for Ladder

RNA Area:	170.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



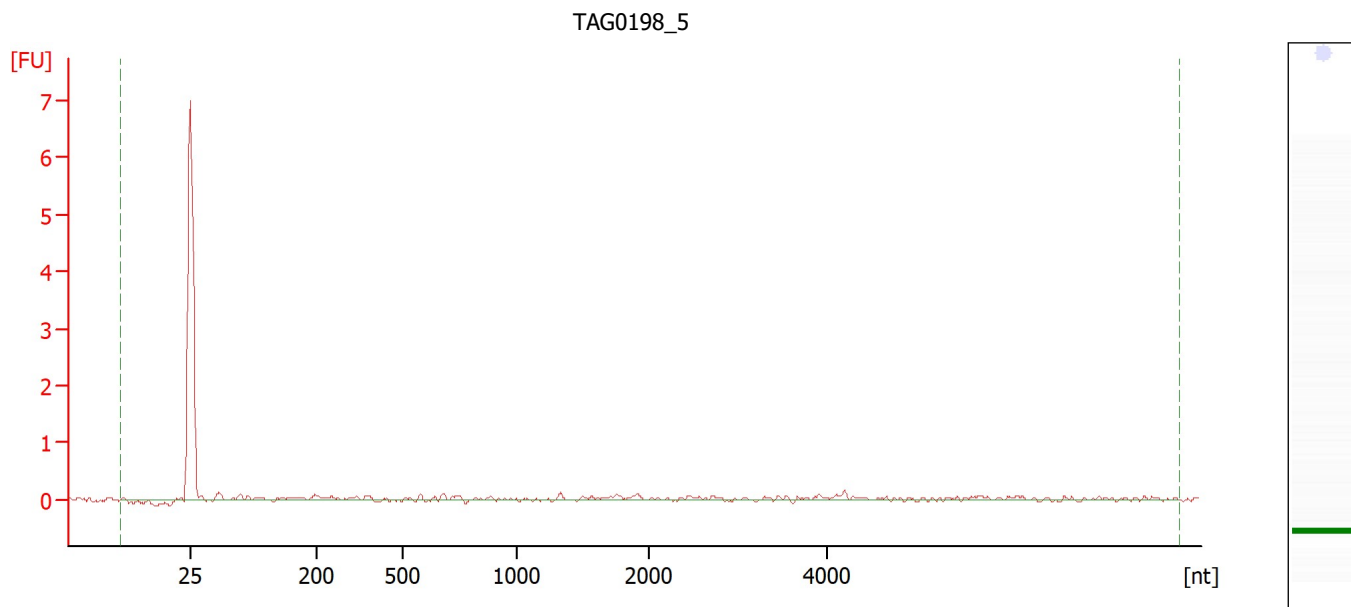
Overall Results for sample 1 : TAG0198_4

RNA Area:	5.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	32 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



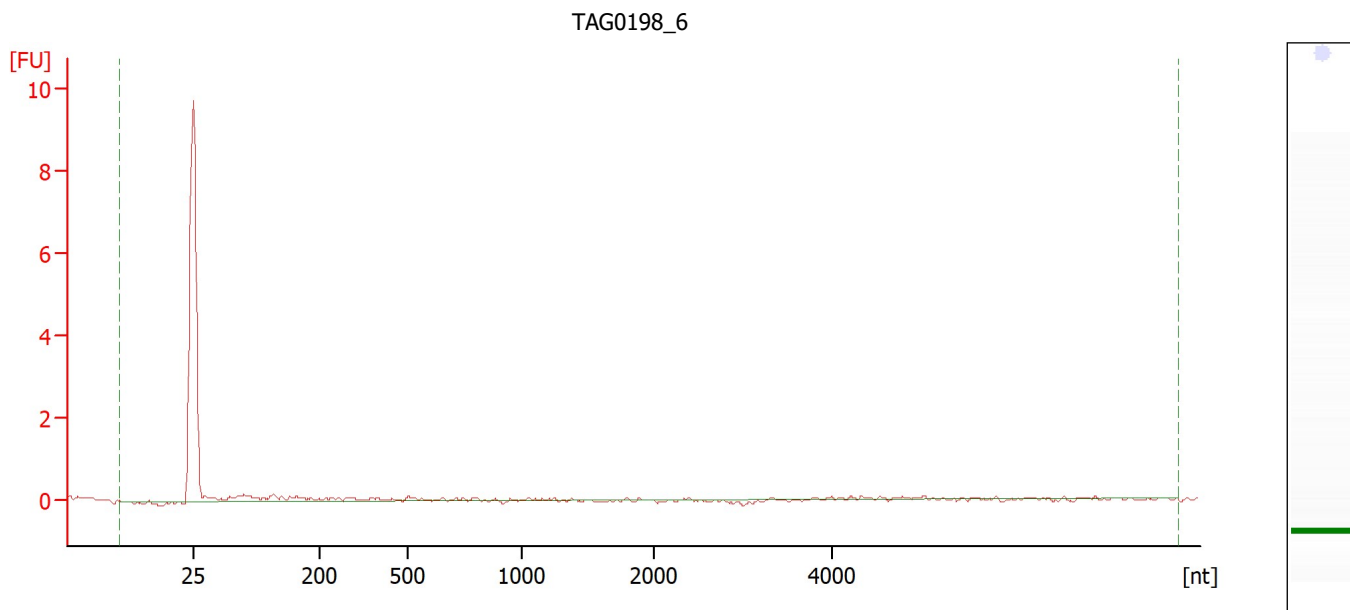
Overall Results for sample 2 : TAG0198_5

RNA Area:	3.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	19 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



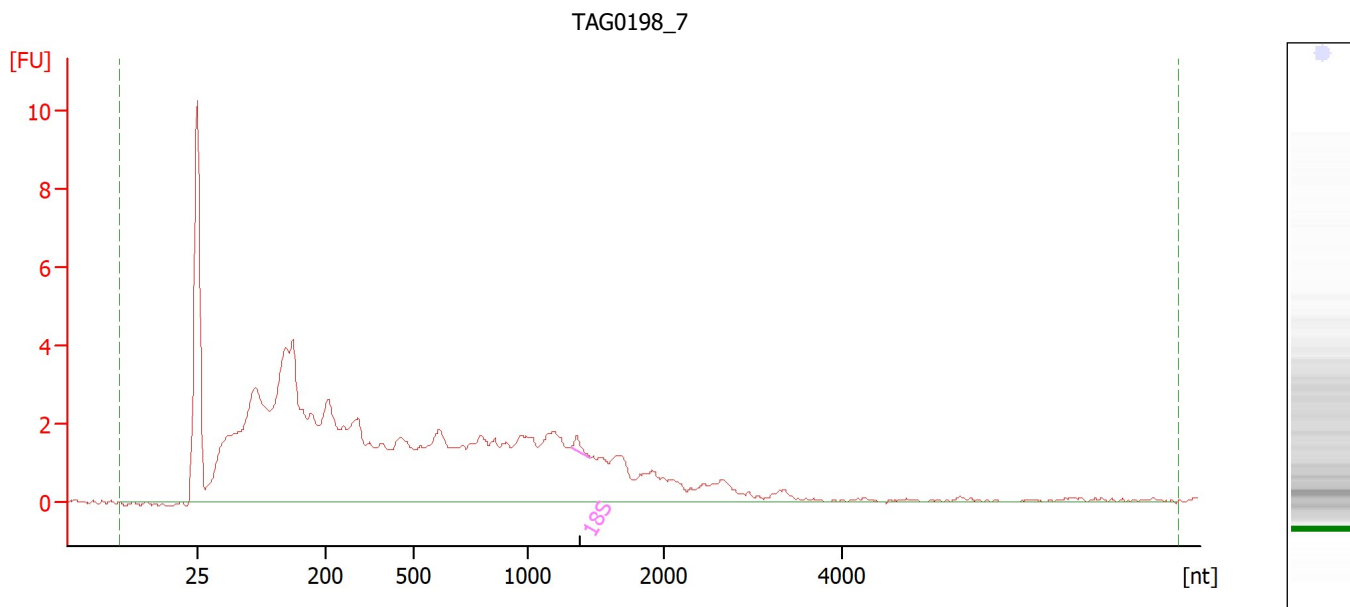
Overall Results for sample 3 : TAG0198_6

RNA Area:	3.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	20 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0198_7

RNA Area:	117.6	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	689 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

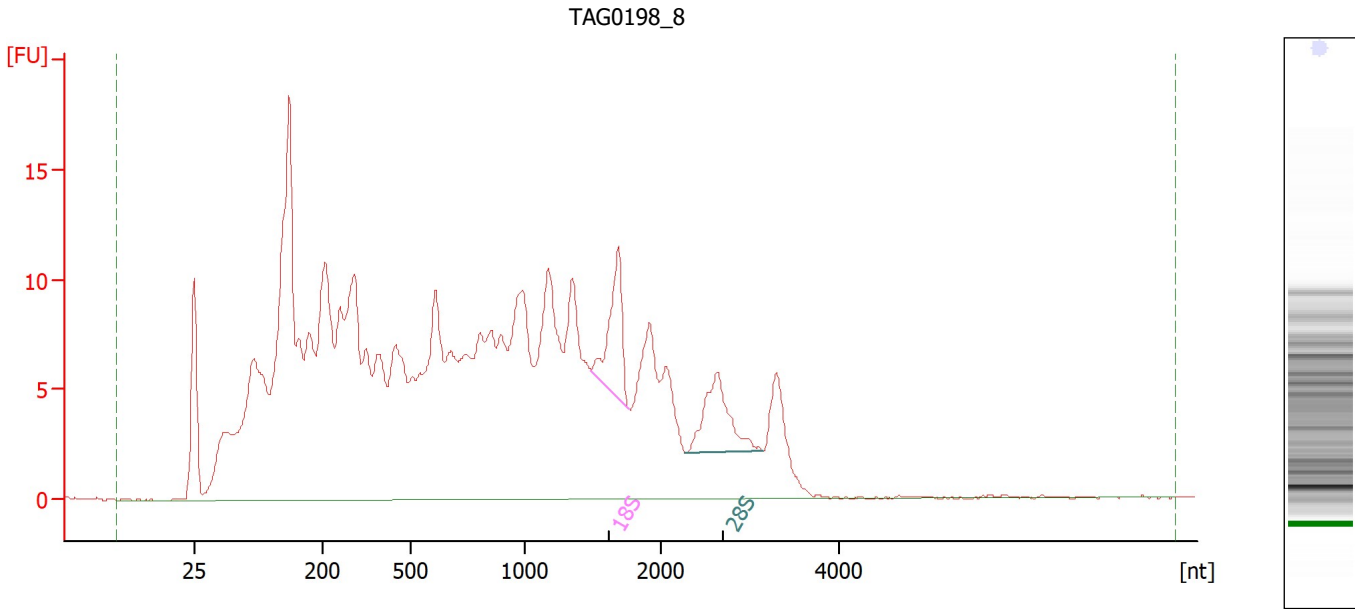
Fragment table for sample 4 : TAG0198_7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,314	1,457	0.3	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0198 8

RNA Area:	481.4	RNA Integrity Number (RIN):	3.4 (B.02.10)
RNA Concentration:	2,821 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 3.40

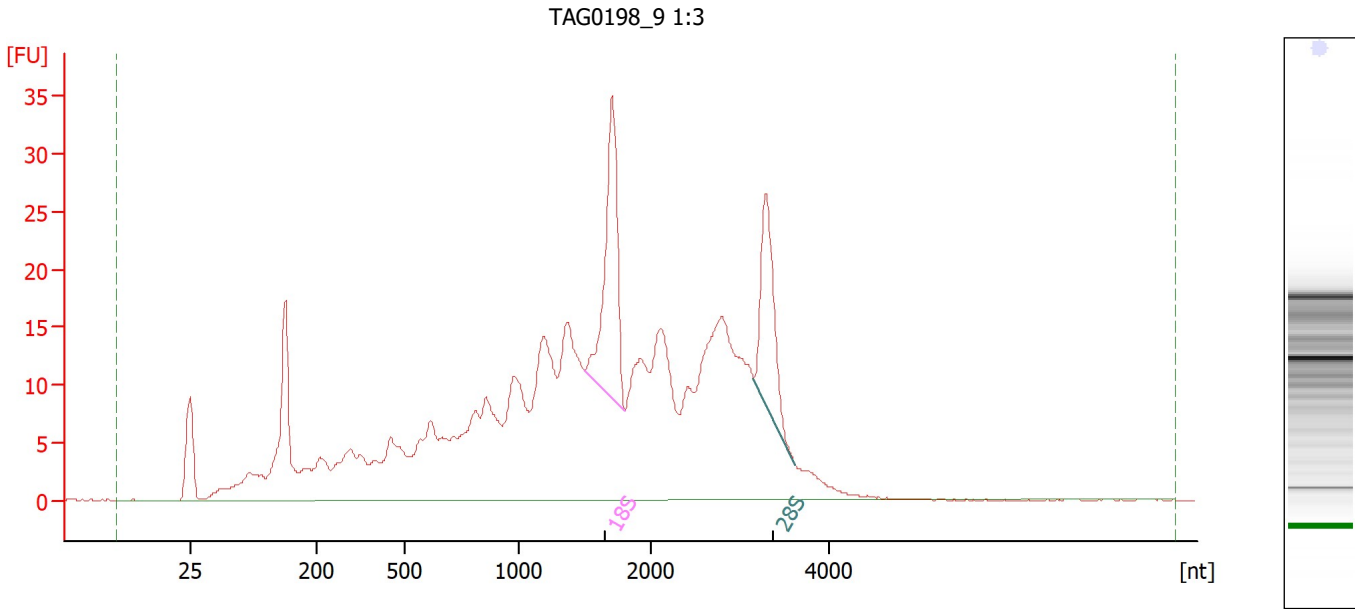
Fragment table for sample 5 : TAG0198 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,767	10.4	2.2
28S	2,282	3,139	10.2	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0198 9 1:3

RNA Area:	590.4	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	3,459 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.10

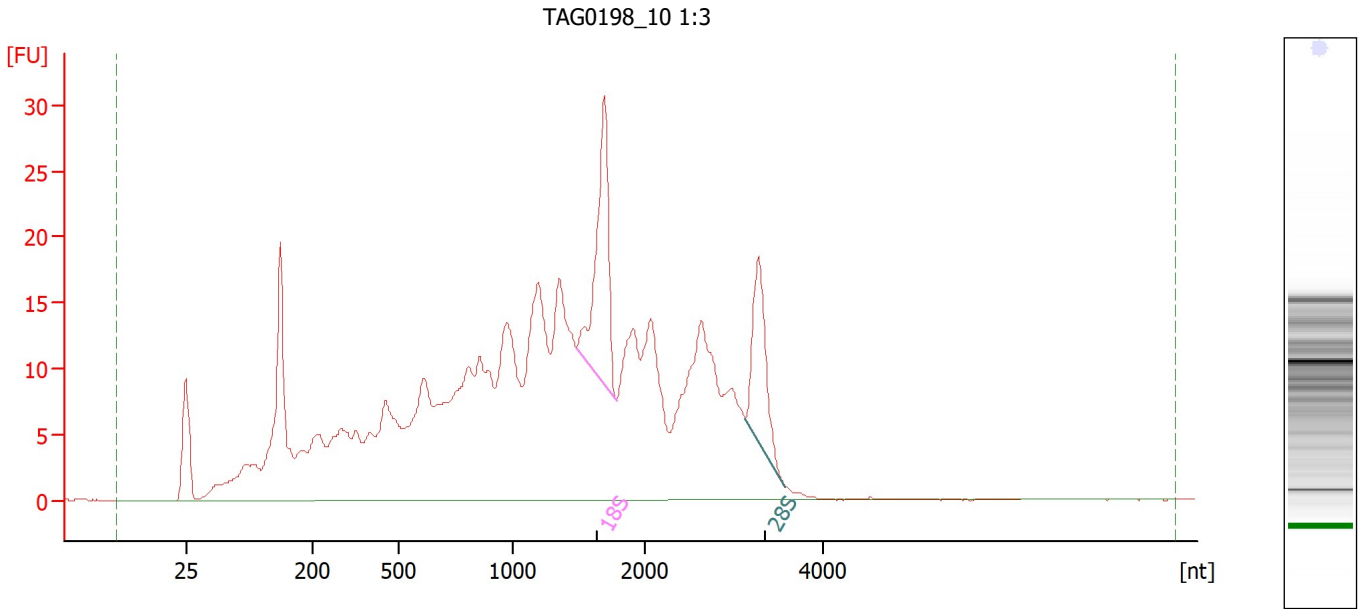
Fragment table for sample 6 : TAG0198 9 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,796	39.7	6.7
28S	3,146	3,614	25.7	4.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0198 10 1:3

RNA Area:	599.8	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	3,515 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 4.70

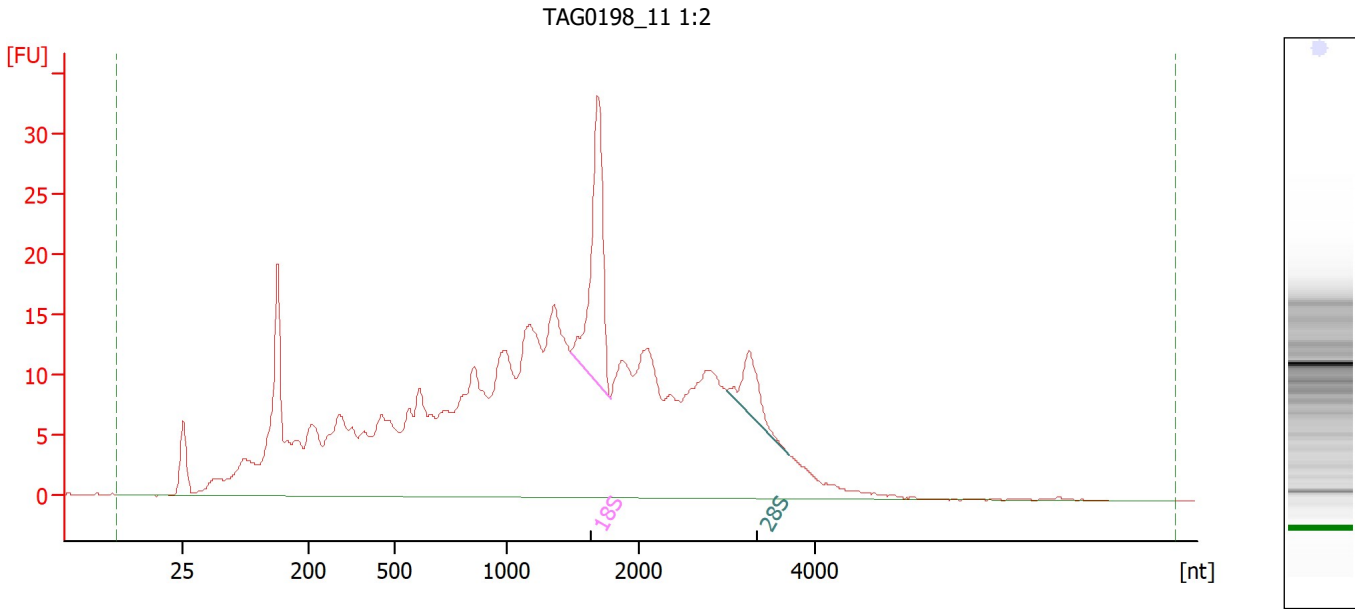
Fragment table for sample 7 : TAG0198 10 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,478	1,777	33.7	5.6
28S	3,128	3,587	19.6	3.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG0198 11 1:2

RNA Area:	623.9	RNA Integrity Number (RIN):	4.2 (B.02.10)
RNA Concentration:	3,656 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.20

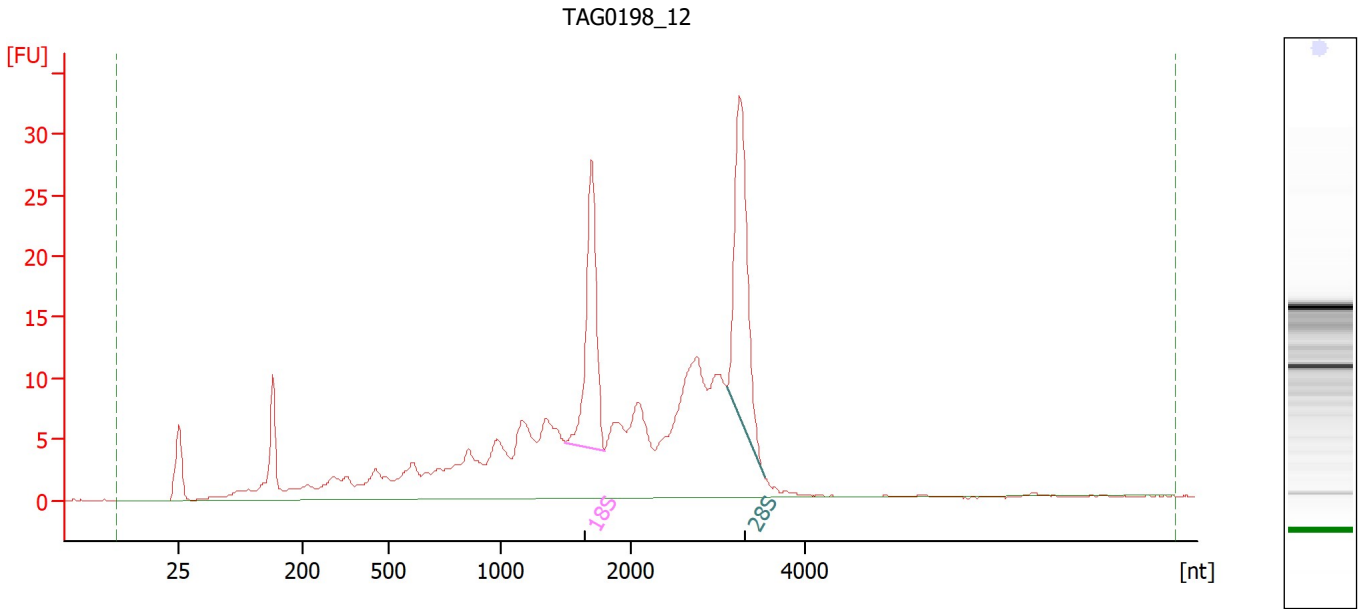
Fragment table for sample 8 : TAG0198 11 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,473	1,782	35.2	5.6
28S	2,987	3,705	10.1	1.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0198_12

RNA Area:	324.9	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	1,904 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.70

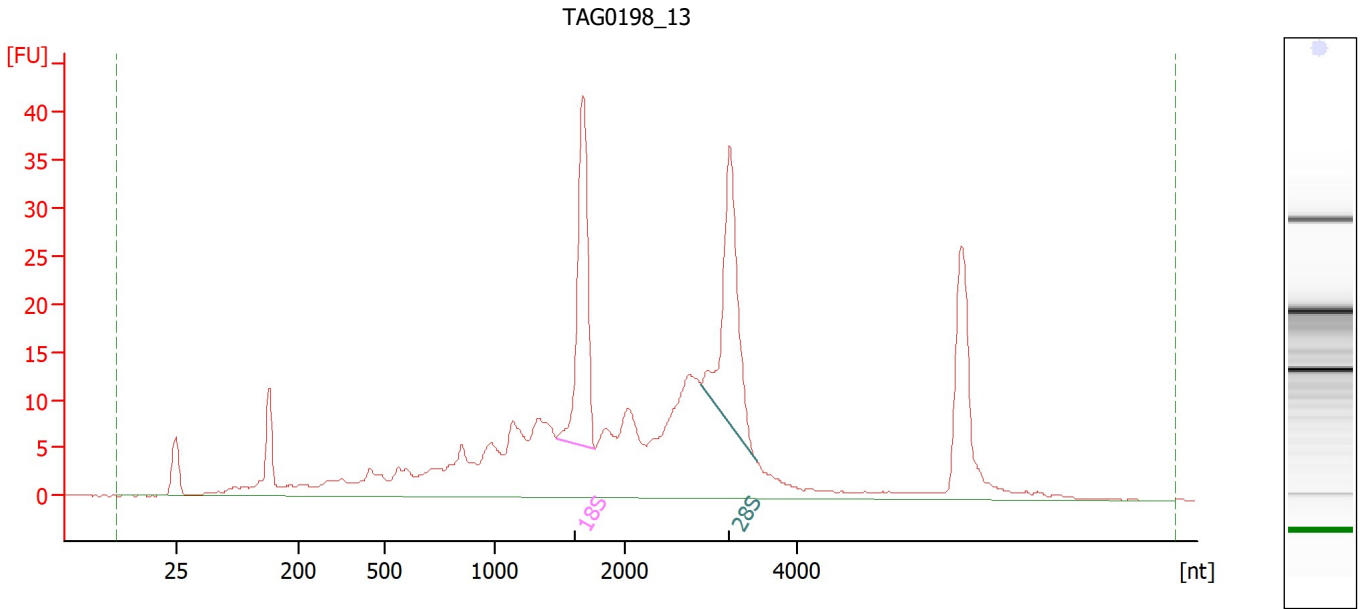
Fragment table for sample 9 : TAG0198_12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,795	31.5	9.7
28S	3,092	3,533	37.5	11.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0198_13

RNA Area:	452.9	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	2,654 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.80

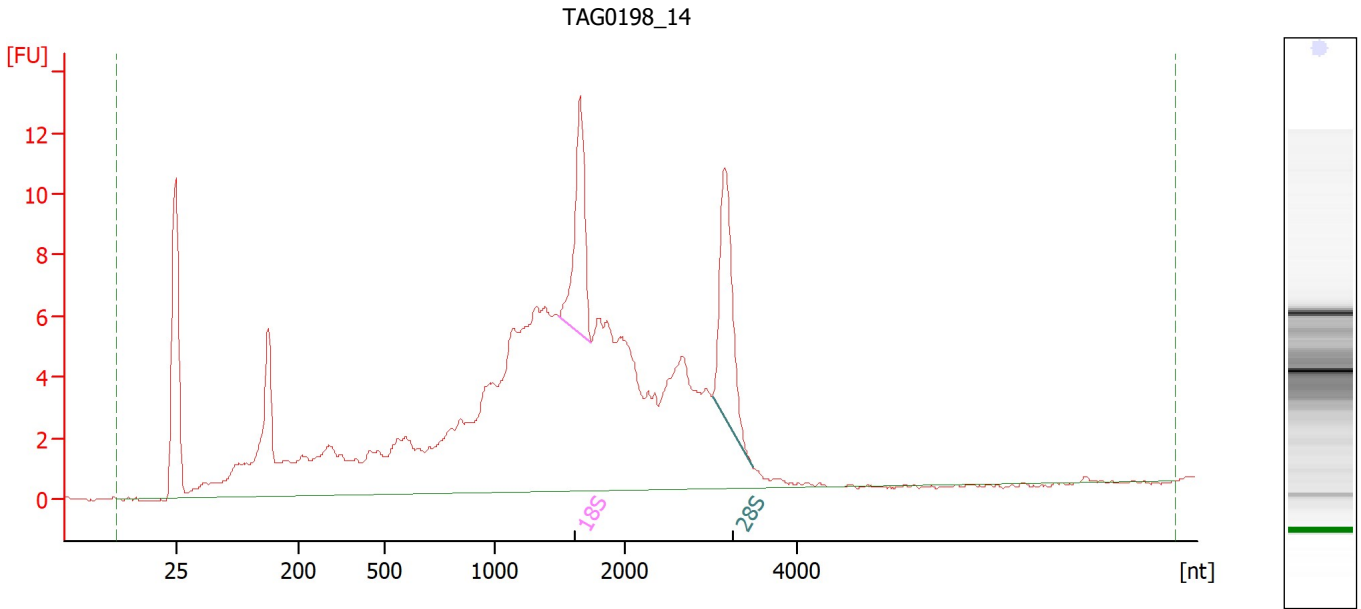
Fragment table for sample 10 : TAG0198_13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,775	47.7	10.5
28S	2,887	3,517	47.7	10.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0198_14

RNA Area:	209.3	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	1,227 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:5

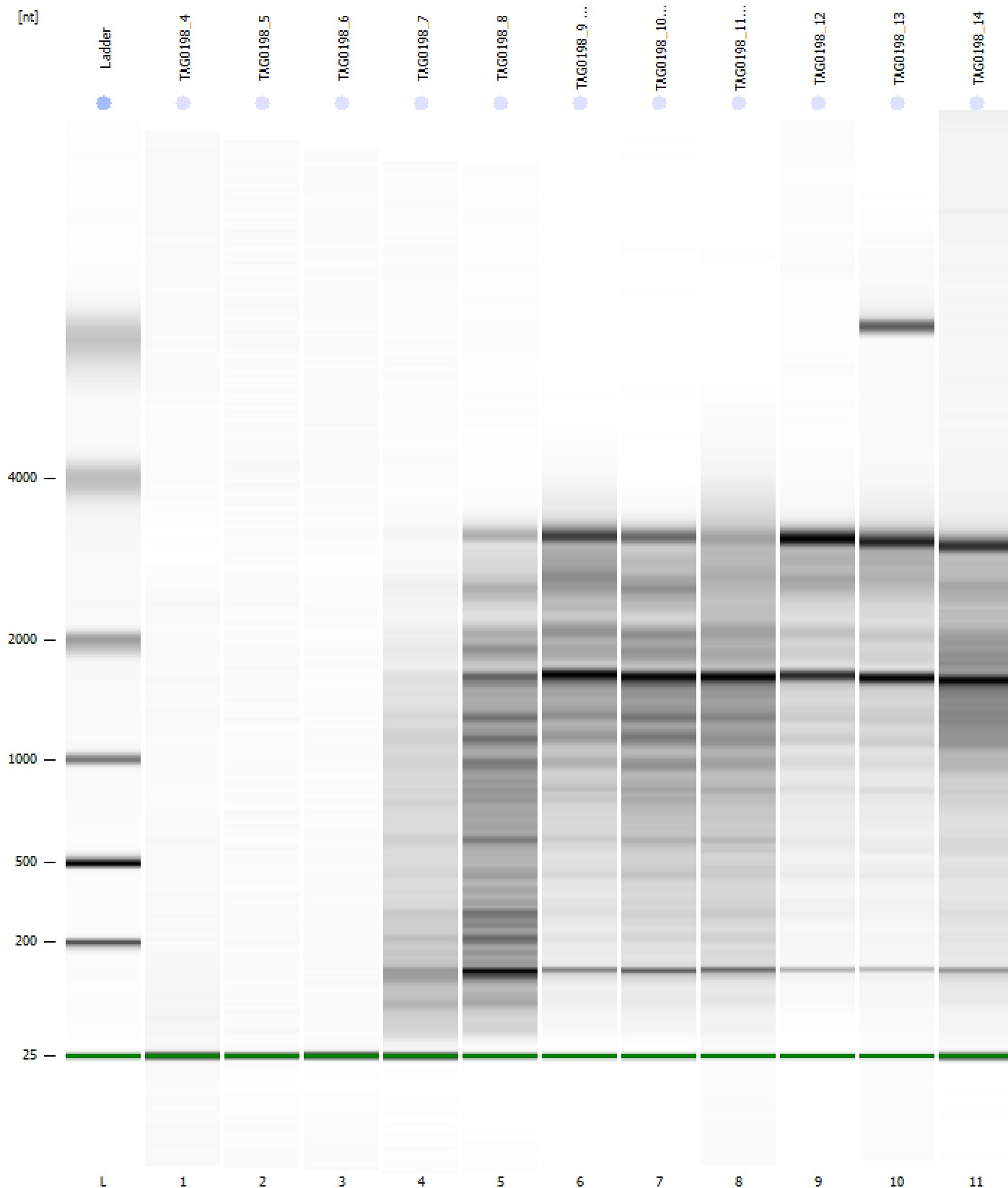
Fragment table for sample 11 : TAG0198_14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	1,742	9.9	4.7
28S	3,010	3,480	11.8	5.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad

Created: 2/13/2023 4:36:43 PM
Modified: 2/13/2023 4:59:39 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad
 Created: 2/13/2023 4:36:43 PM
 Modified: 2/13/2023 4:59:39 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		2/13/2023 4:59:37 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-13\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-13_001.xad)		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/13/2023 4:36:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB