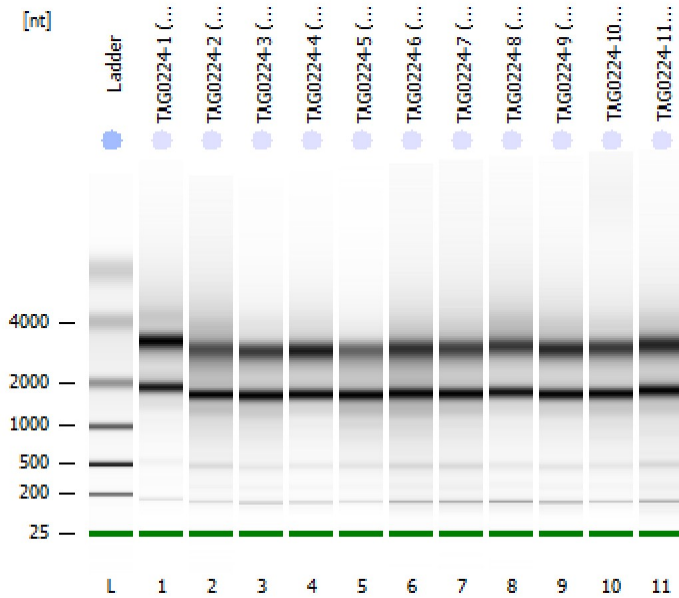


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
Modified: 8/22/2023 3:09:29 PM

Electrophoresis File Run Summary



Instrument Information:

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

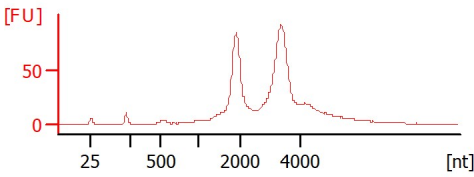
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

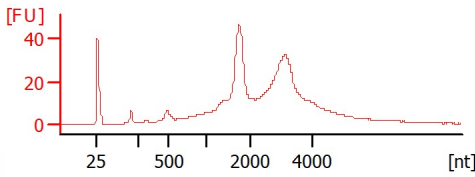
Chip Information:

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

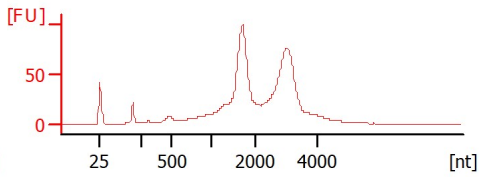
TAG0224-1 (1:5)
RIN: 9.60



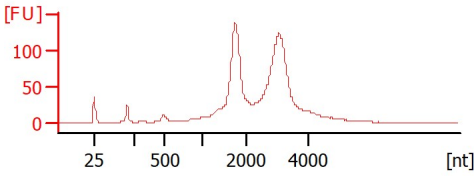
TAG0224-2 (1:10)
RIN: 8.30



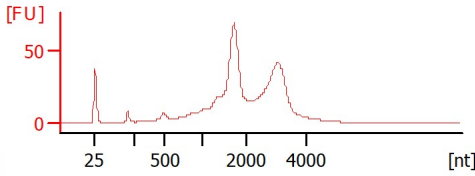
TAG0224-3 (1:6)
RIN: 9.40



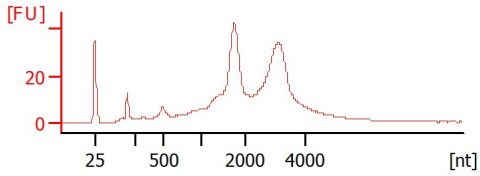
TAG0224-4 (1:20)
RIN: 9.50



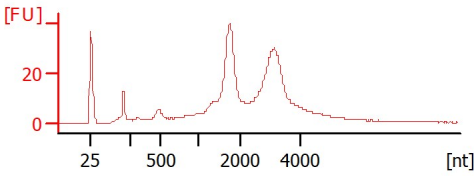
TAG0224-5 (1:15)
RIN: 9.40



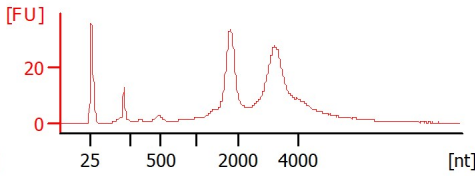
TAG0224-6 (1:6)
RIN: 9



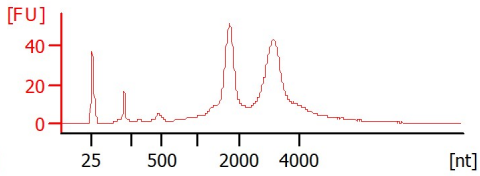
TAG0224-7 (1:9)
RIN: 9.30



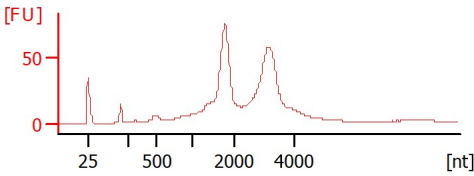
TAG0224-8 (1:5)
RIN: 9.60



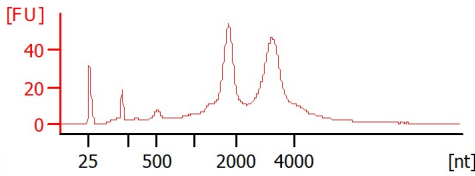
TAG0224-9 (1:5)
RIN: 9.60



TAG0224-10 (1:15)
RIN: 9.80



TAG0224-11 (1:6)
RIN: 9.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0224-1 (1:5)		✓	RIN: 9.60	
TAG0224-2 (1:10)		✓	RIN: 8.30	
TAG0224-3 (1:6)		✓	RIN: 9.40	
TAG0224-4 (1:20)		✓	RIN: 9.50	
TAG0224-5 (1:15)		✓	RIN: 9.40	
TAG0224-6 (1:6)		✓	RIN:9	
TAG0224-7 (1:9)		✓	RIN: 9.30	
TAG0224-8 (1:5)		✓	RIN: 9.60	
TAG0224-9 (1:5)		✓	RIN: 9.60	
TAG0224-10 (1:15)		✓	RIN: 9.80	
TAG0224-11 (1:6)		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 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

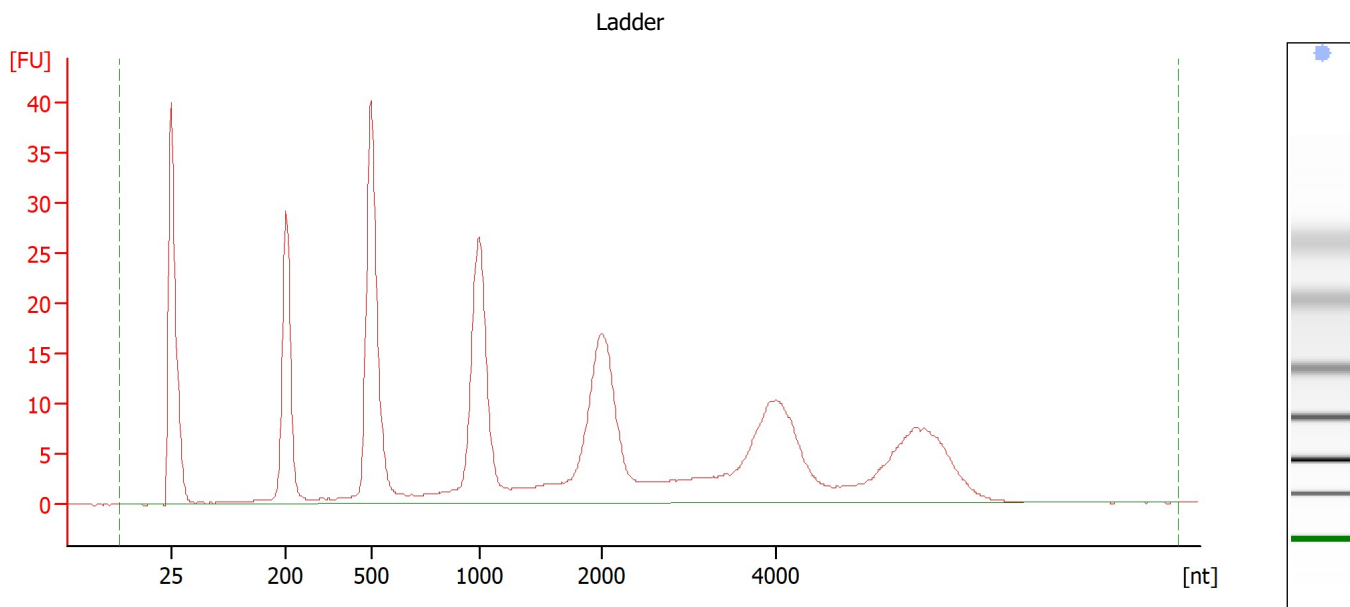
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary



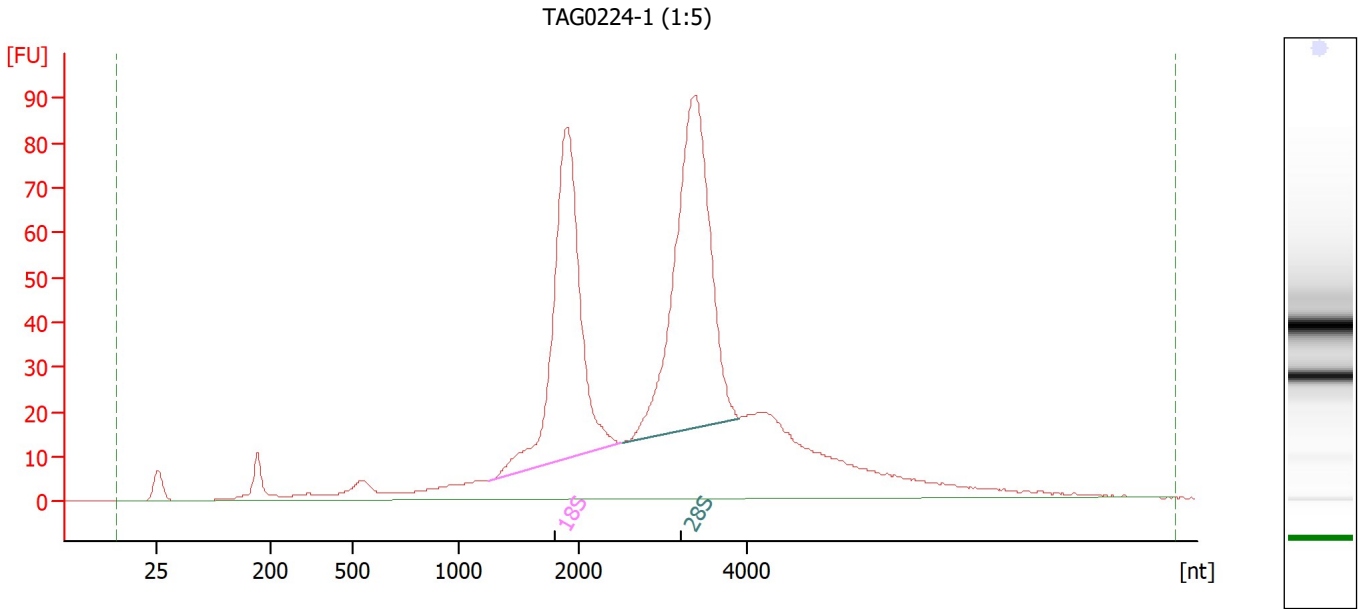
Overall Results for Ladder

RNA Area:	405.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG0224-1 (1:5)

RNA Area:	1,185.2	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	2,920 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.60

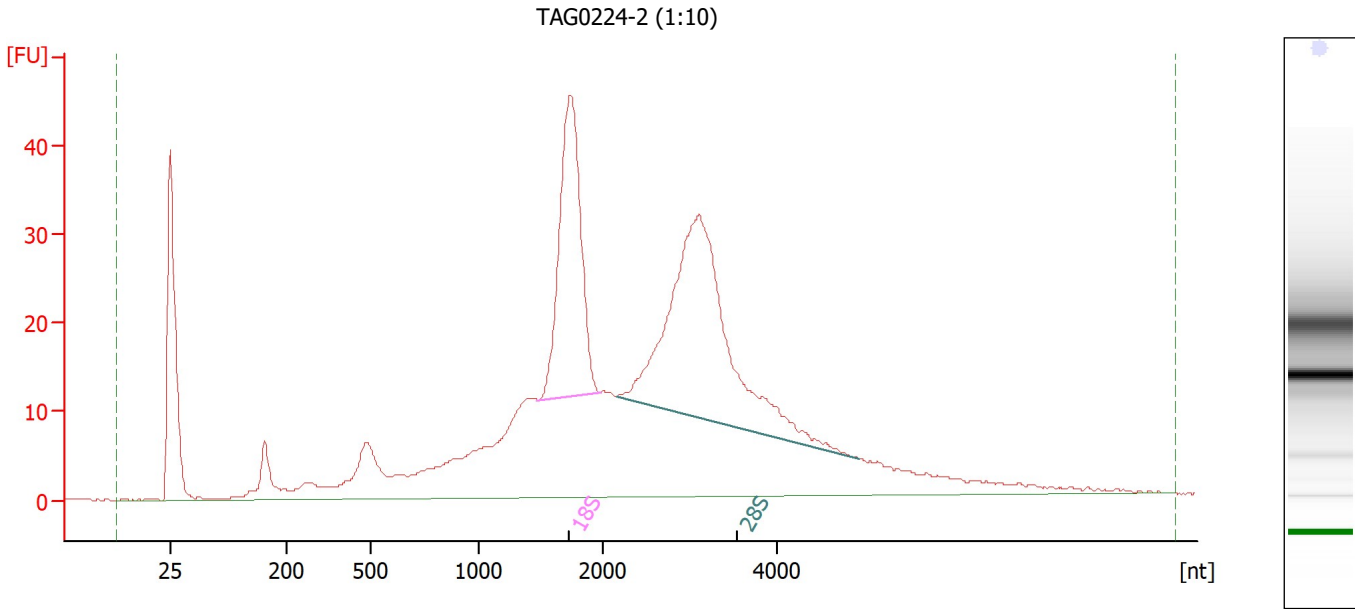
Fragment table for sample 1 : TAG0224-1 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,254	2,495	266.6	22.5
28S	2,533	3,910	309.6	26.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG0224-2 (1:10)

RNA Area:	736.4	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	1,814 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.30

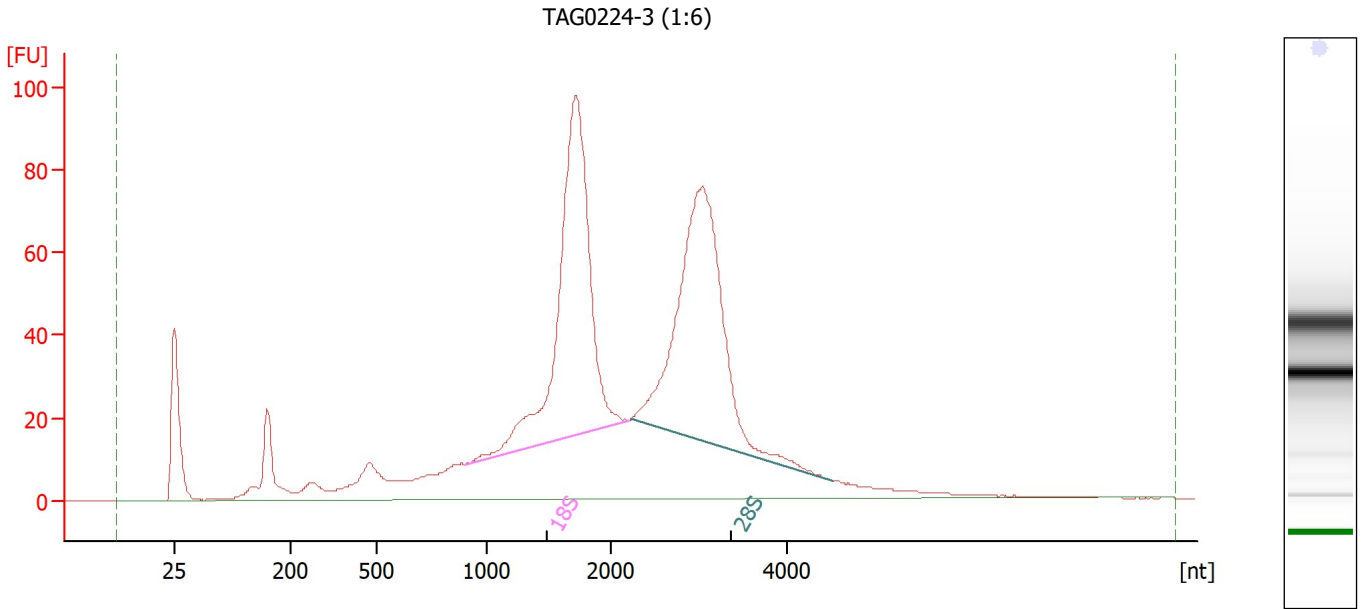
Fragment table for sample 2 : TAG0224-2 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,464	1,975	97.1	13.2
28S	2,149	4,939	156.9	21.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0224-3 (1:6)

RNA Area:	1,365.7	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	3,365 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 9.40

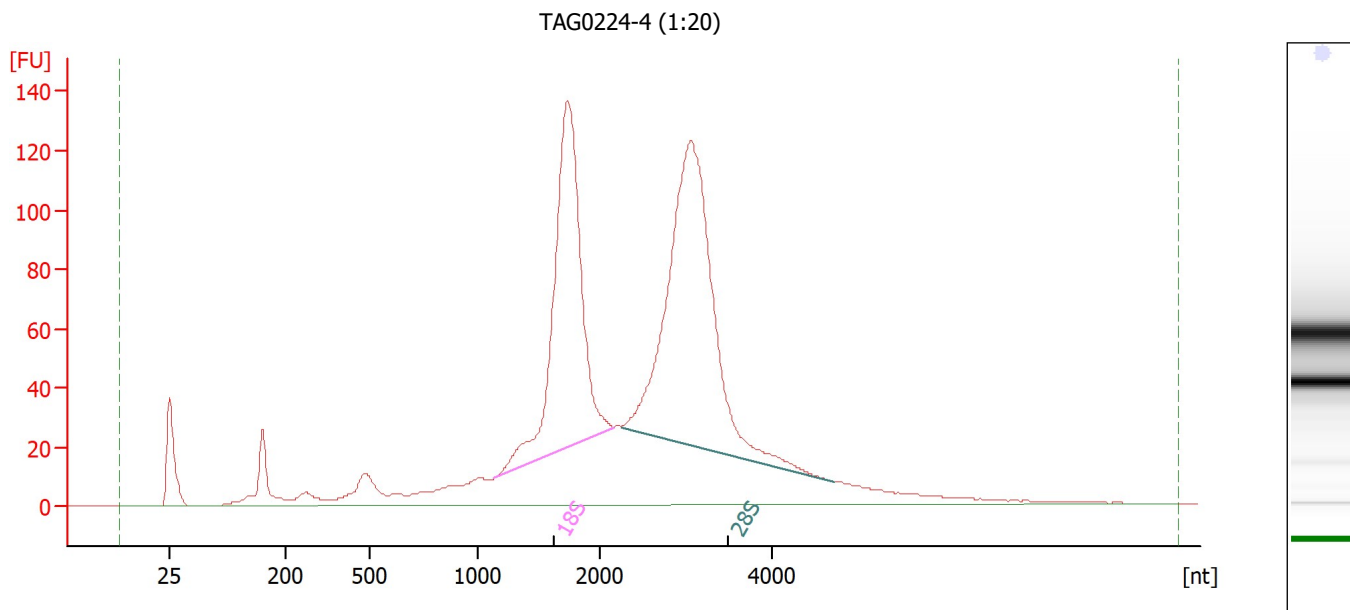
Fragment table for sample 3 : TAG0224-3 (1:6)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	902	2,200	331.8	24.3
28S	2,225	4,526	322.7	23.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0224-4 (1:20)

RNA Area:	1,861.8	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	4,587 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.50

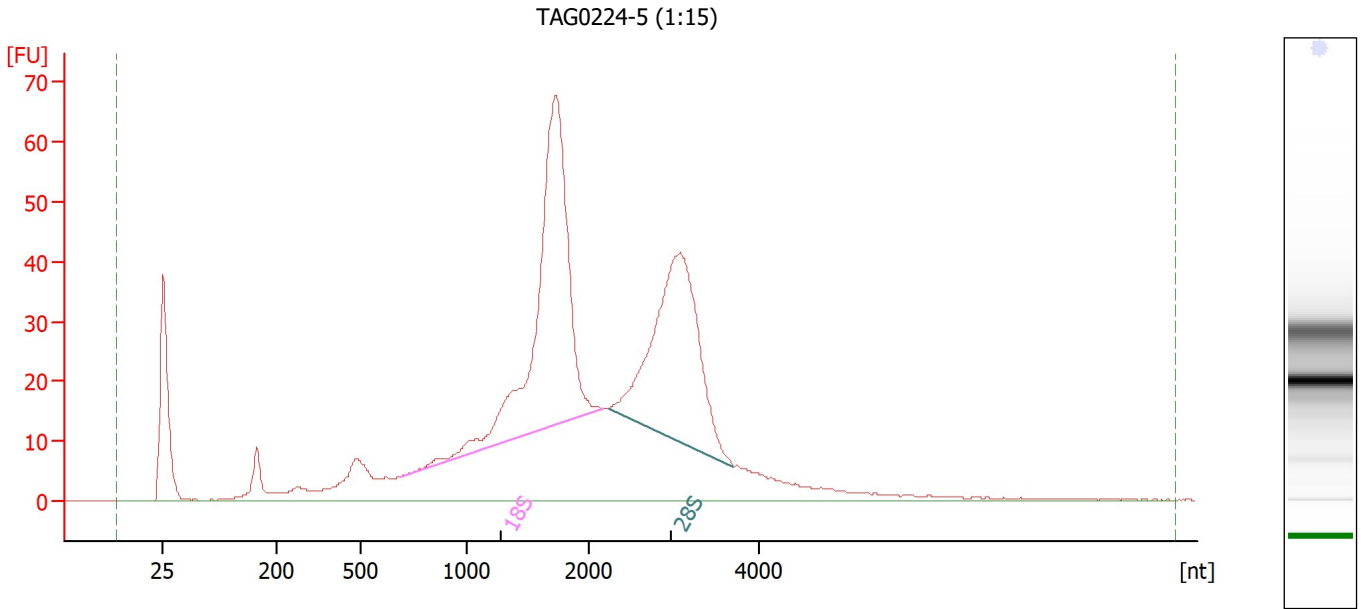
Fragment table for sample 4 : TAG0224-4 (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,136	2,159	421.1	22.6
28S	2,246	4,708	543.4	29.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0224-5 (1:15)

RNA Area:	918.5	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,263 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.40

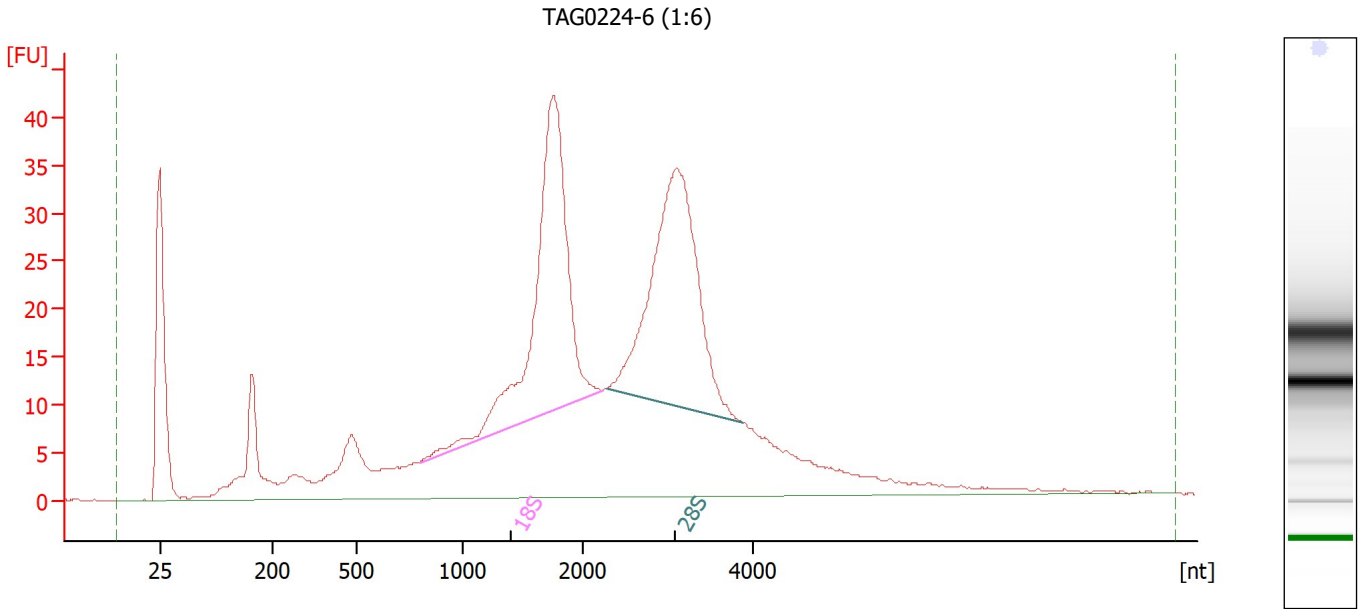
Fragment table for sample 5 : TAG0224-5 (1:15)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	690	2,157	233.2	25.4
28S	2,232	3,693	169.3	18.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0224-6 (1:6)

RNA Area: 746.5 RNA Integrity Number (RIN): 9 (B.02.10)
 RNA Concentration: 1,839 pg/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN:9

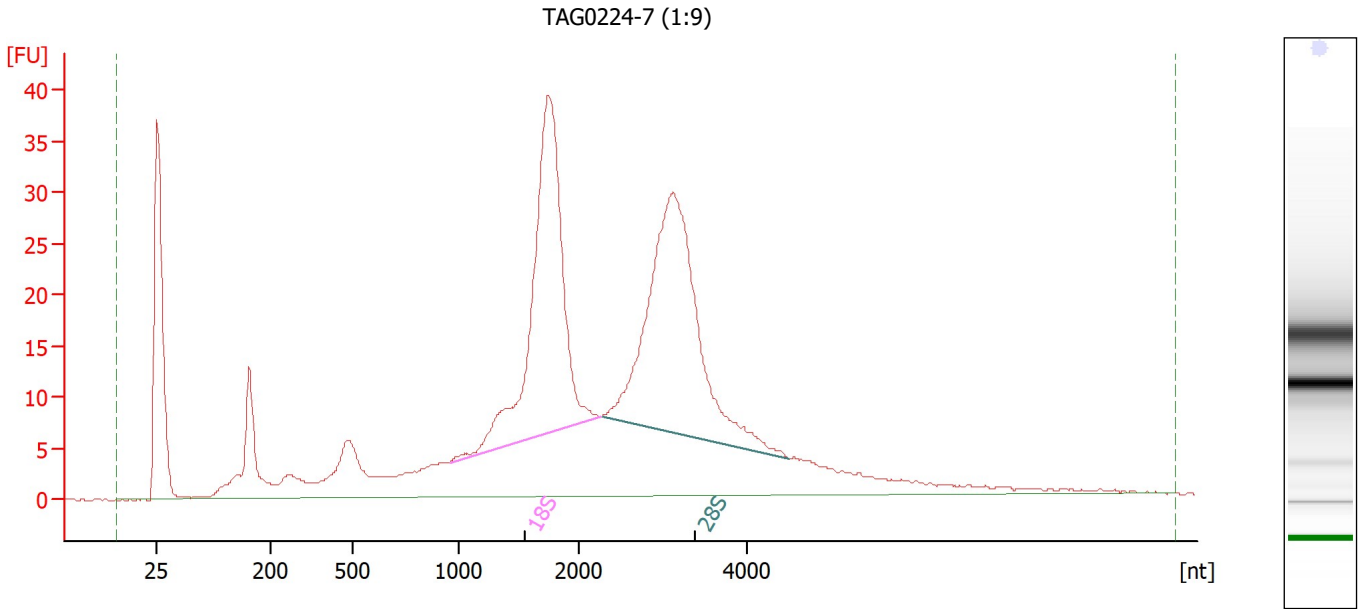
Fragment table for sample 6 : TAG0224-6 (1:6)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	804	2,230	141.1	18.9
28S	2,281	3,890	136.3	18.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0224-7 (1:9)

RNA Area:	626.6	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	1,544 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 9.30

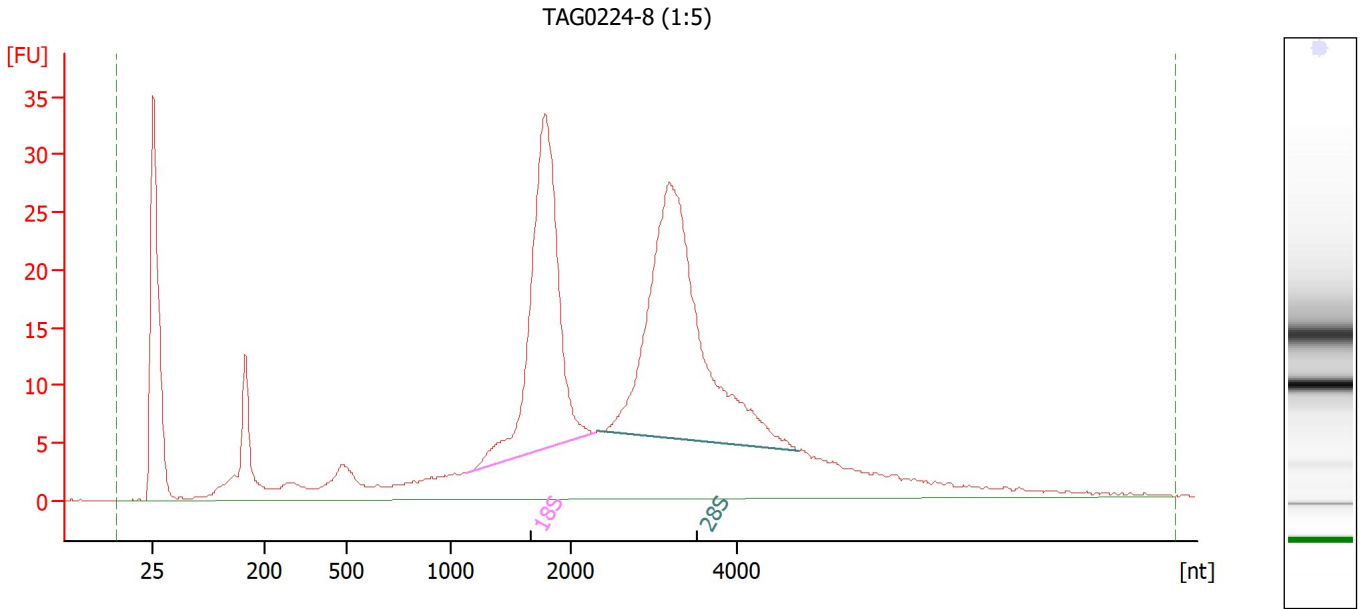
Fragment table for sample 7 : TAG0224-7 (1:9)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	962	2,255	133.9	21.4
28S	2,280	4,491	138.6	22.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG0224-8 (1:5)

RNA Area:	525.4	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	1,294 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

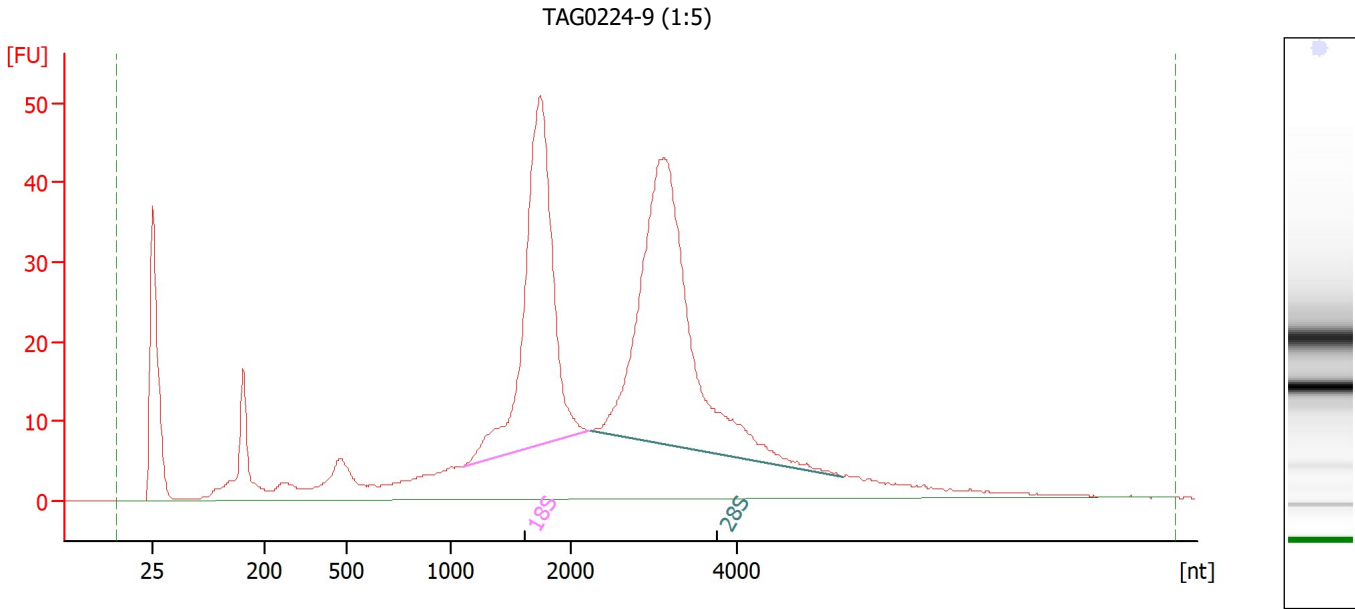
Fragment table for sample 8 : TAG0224-8 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,136	2,304	108.8	20.7
28S	2,330	4,727	138.6	26.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0224-9 (1:5)

RNA Area:	766.0	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	1,887 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

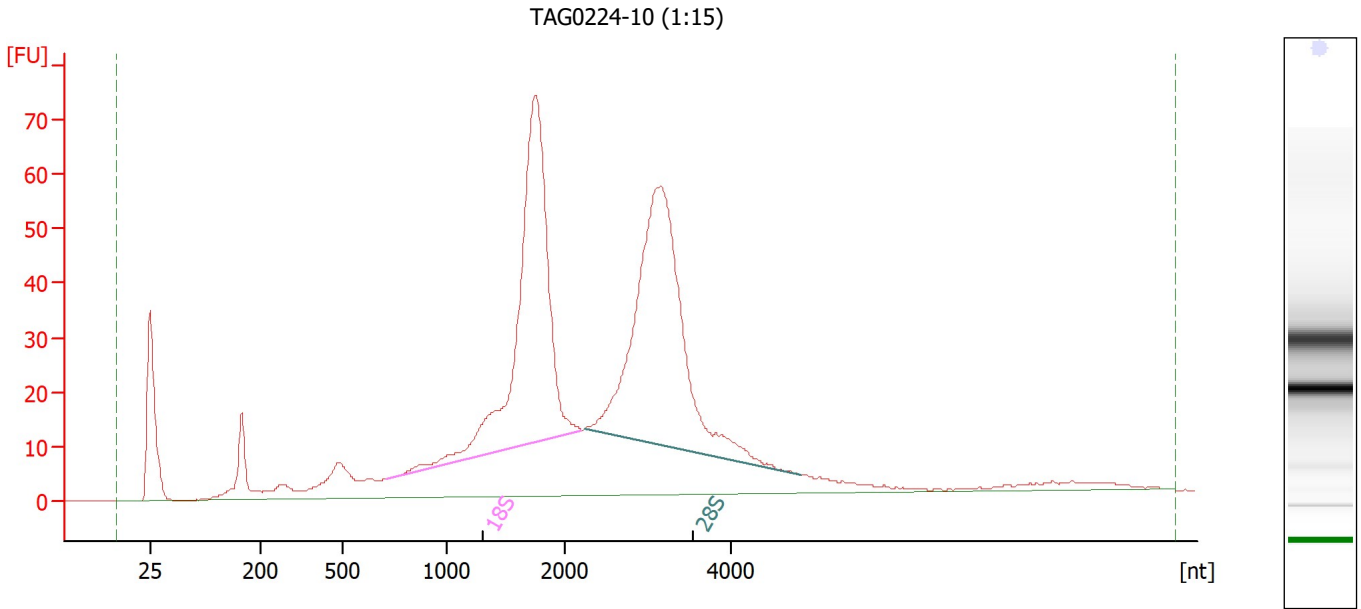
Fragment table for sample 9 : TAG0224-9 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,091	2,228	170.5	22.3
28S	2,253	5,250	218.8	28.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0224-10 (1:15)

RNA Area:	1,028.1	RNA Integrity Number (RIN):	9.8 (B.02.10)
RNA Concentration:	2,533 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 9.80

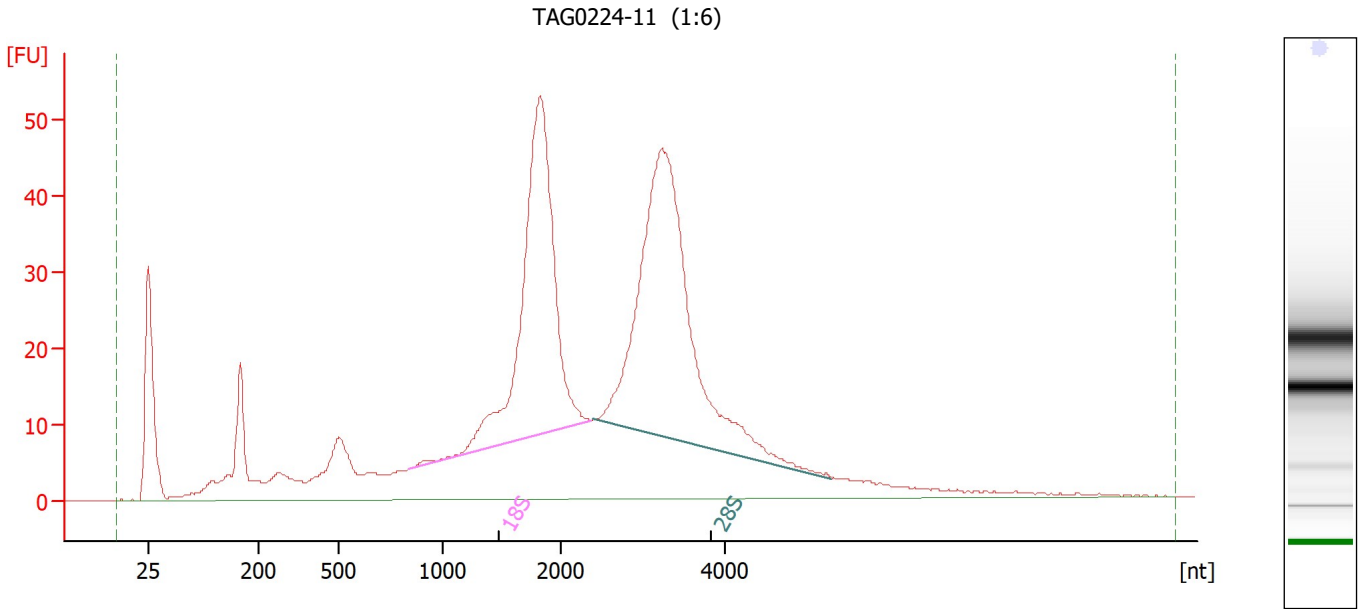
Fragment table for sample 10 : TAG0224-10 (1:15)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	712	2,213	261.2	25.4
28S	2,239	4,859	272.1	26.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0224-11 (1:6)

RNA Area:	911.4	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	2,245 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.40

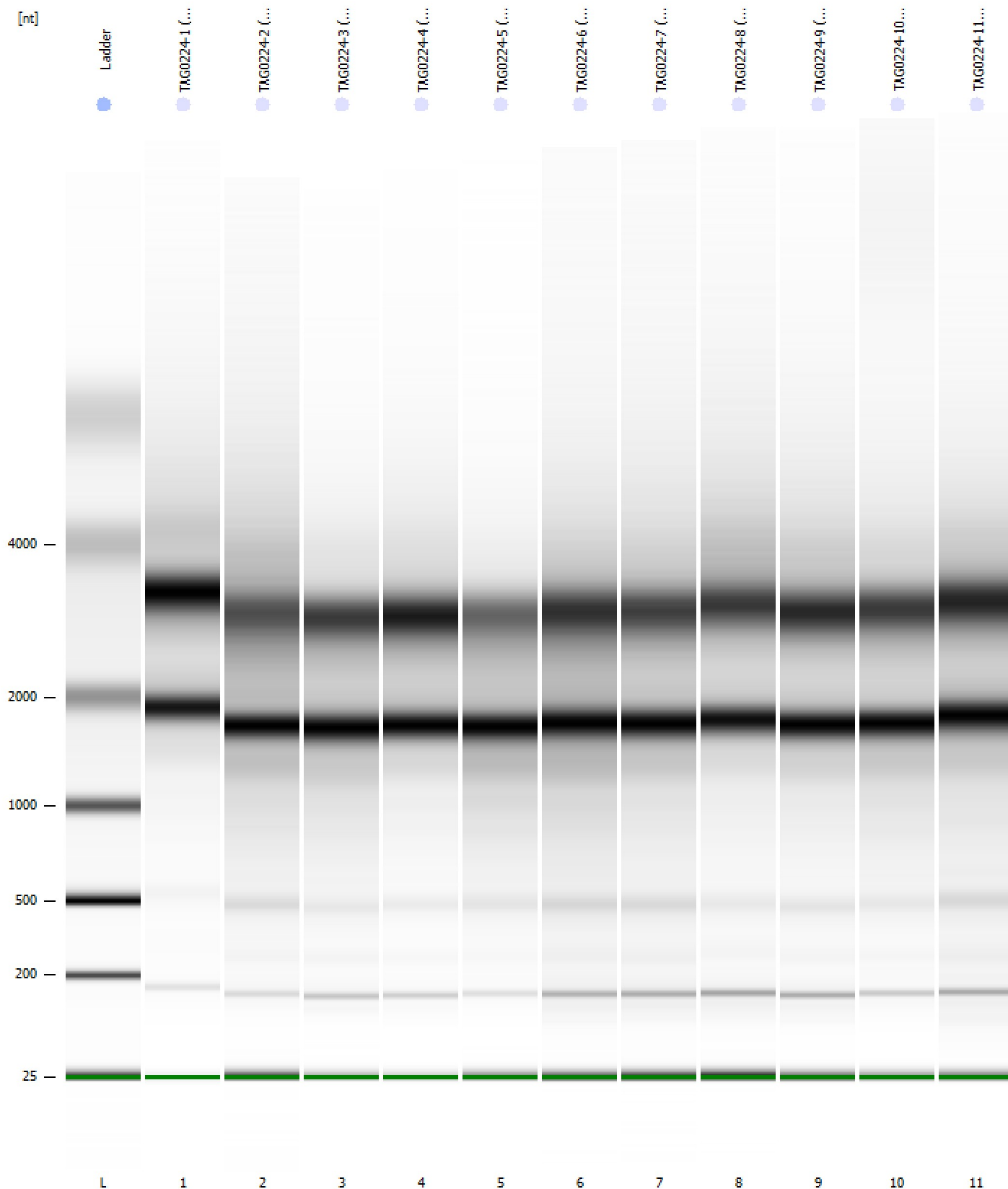
Fragment table for sample 11 : TAG0224-11 (1:6)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	836	2,380	193.5	21.2
28S	2,406	5,284	229.4	25.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
Modified: 8/22/2023 3:09:29 PM

Gel Image

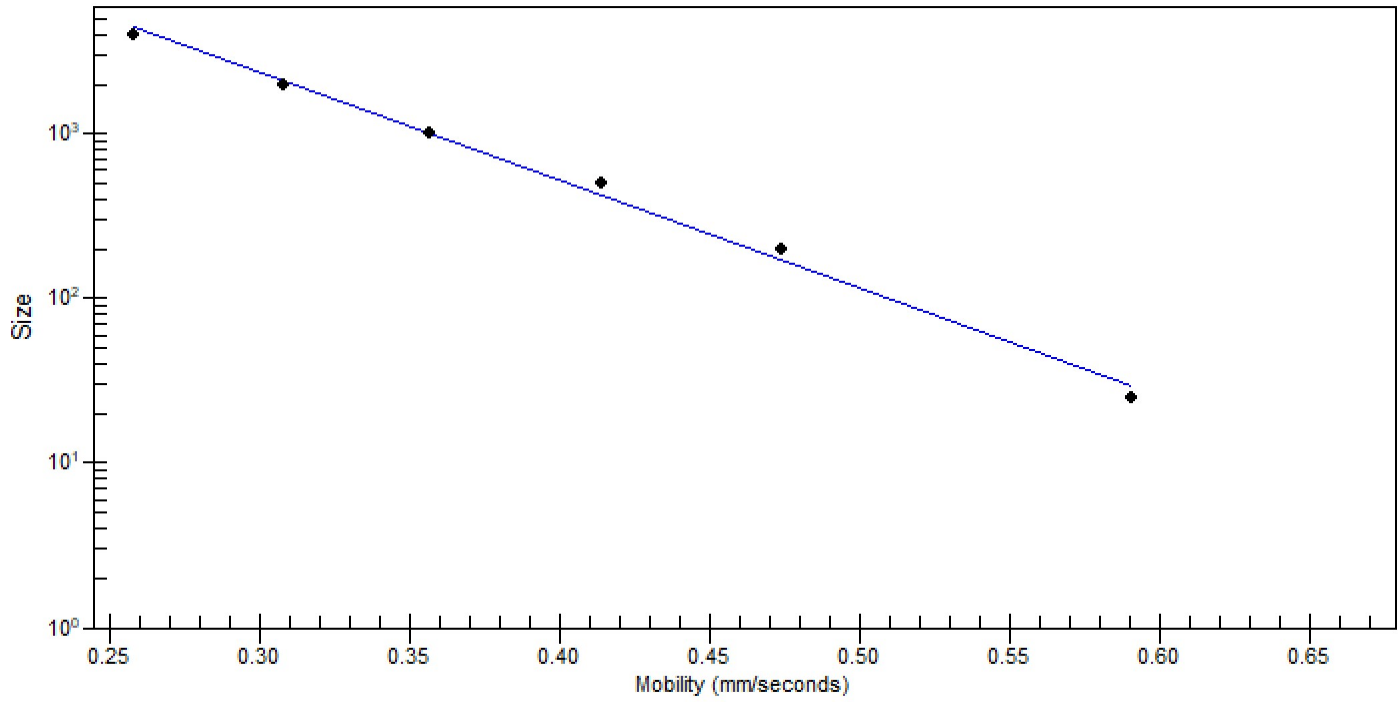


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
Modified: 8/22/2023 3:09:29 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad

Created: 8/19/2023 10:46:36 AM
 Modified: 8/22/2023 3:09:29 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		8/19/2023 11:09:33 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-08-19\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-08-19_001.xad)		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/19/2023 10:46:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB