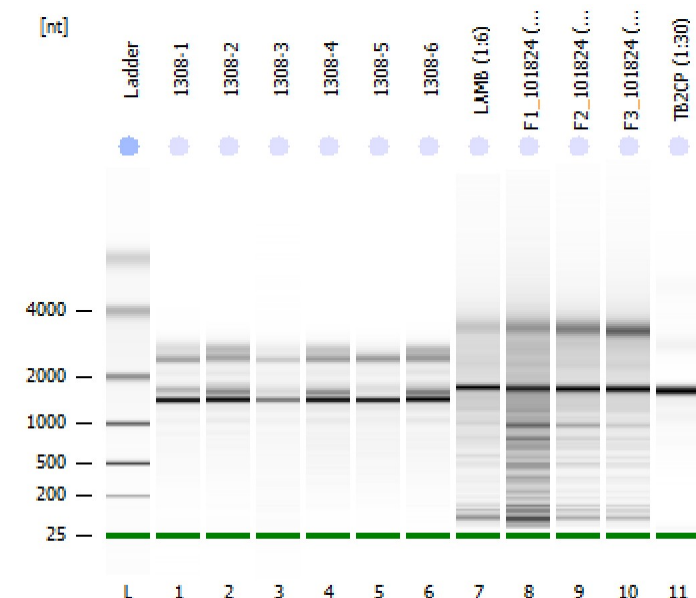


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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)

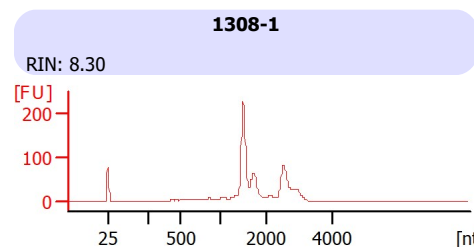
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
 Modified: 5/16/2025 2:22:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1308-1		✓	RIN: 8.30	
1308-2		✓	RIN: 7.20	
1308-3		✓	RIN: 7.90	
1308-4		✓	RIN: 7.10	
1308-5		✓	RIN: 7.90	
1308-6		✓	RIN: 6.70	
LAMB (1:6)		✓	RIN: 6.20	
F1_101824 (1:10)		✓	RIN:5	
F2_101824 (1:10)		✓	RIN: 7.50	
F3_101824 (1:10)		✓	RIN: 7.30	
TB2CP (1:30)		✓	RIN: 9.50	
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_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
 Modified: 5/16/2025 2:22:22 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

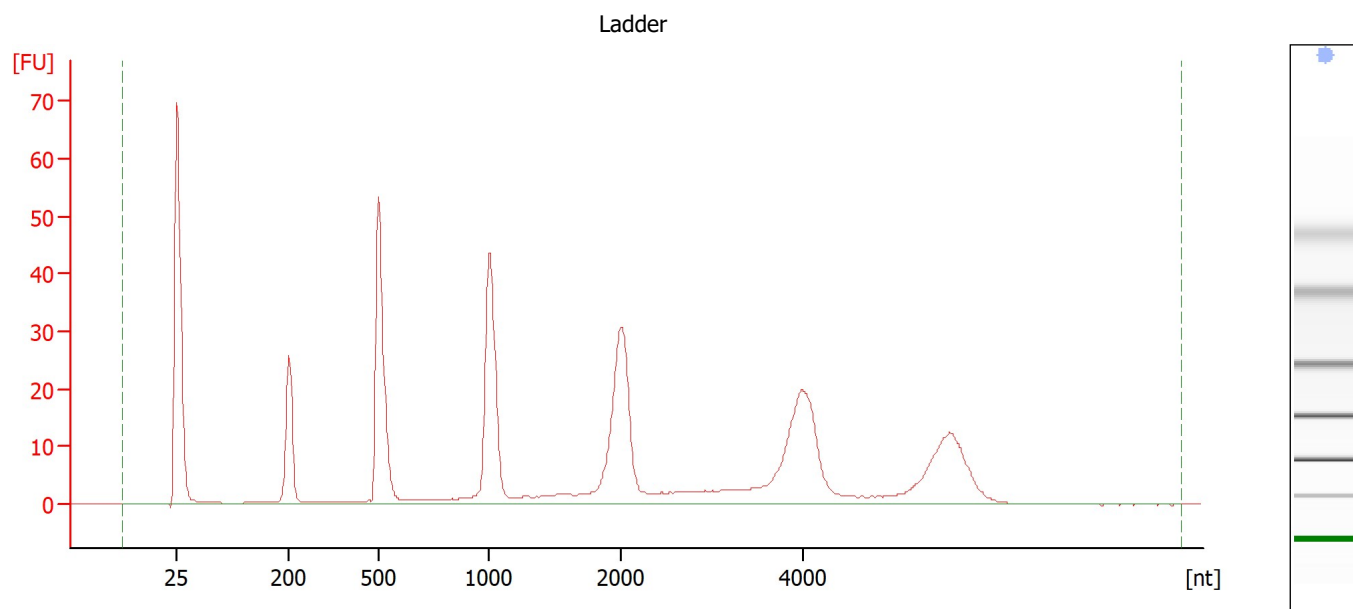
Ladder

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_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 420.0

Result Flagging Color:



RNA Concentration: 1,000 pg/μl

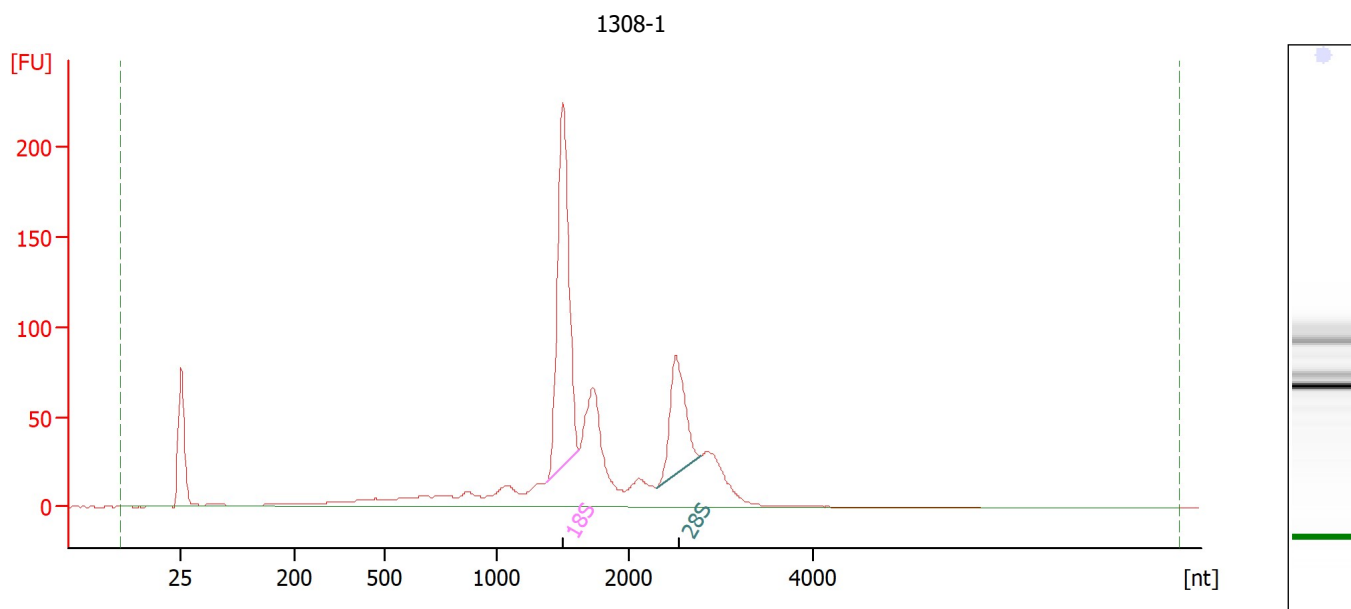
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1308-1

RNA Area:	1,116.7	RNA Integrity Number (RIN):	8.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,659 pg/μl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.30

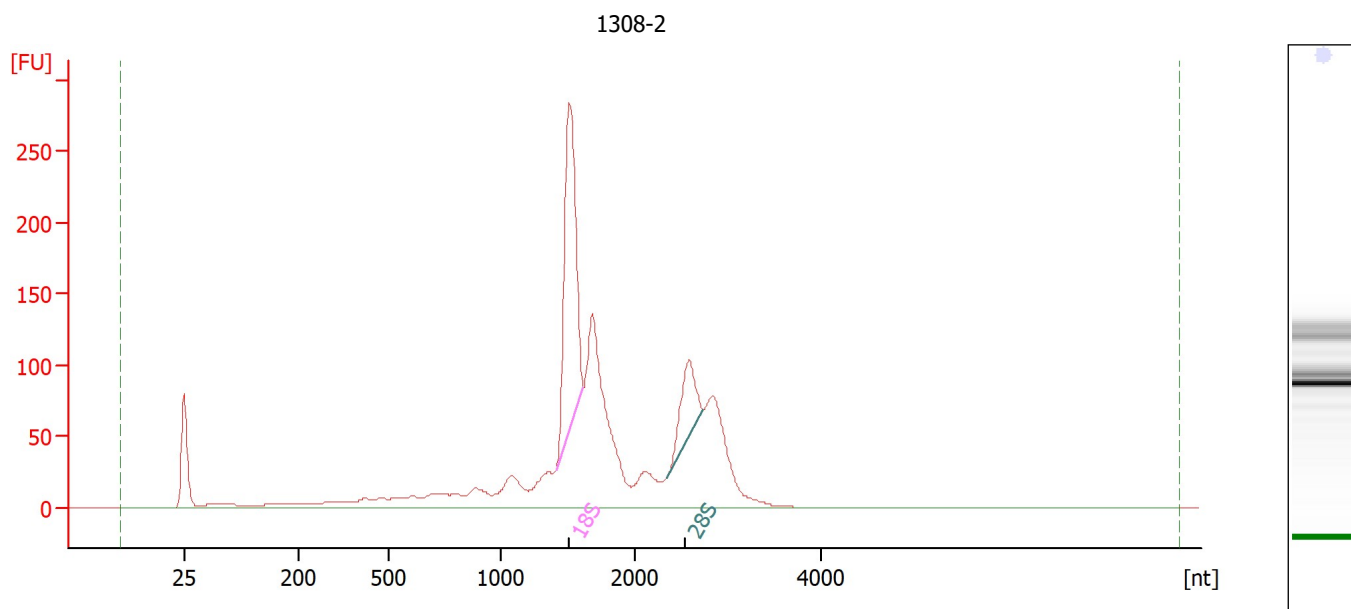
Fragment table for sample 1 : 1308-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	1,624	313.0	28.0
28S	2,305	2,771	117.3	10.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1308-2

RNA Area:	1,786.7	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	4,254 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 7.20

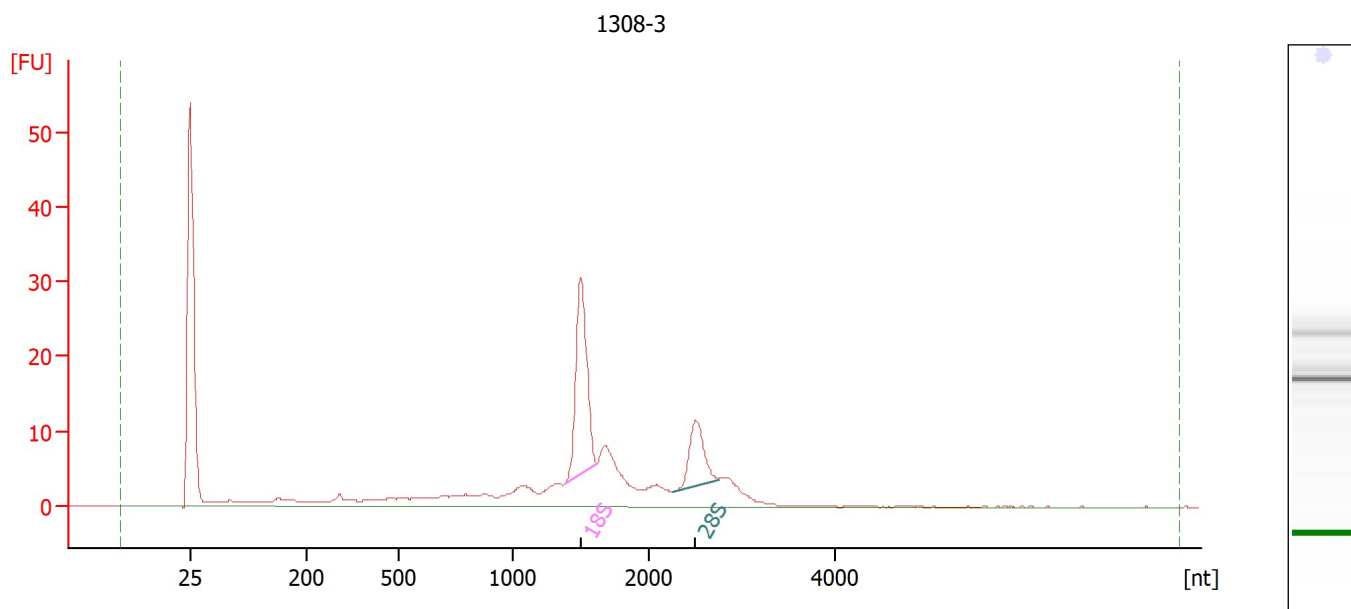
Fragment table for sample 2 : 1308-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,612	340.9	19.1
28S	2,340	2,733	93.4	5.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1308-3

RNA Area:	181.6	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	432 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.90

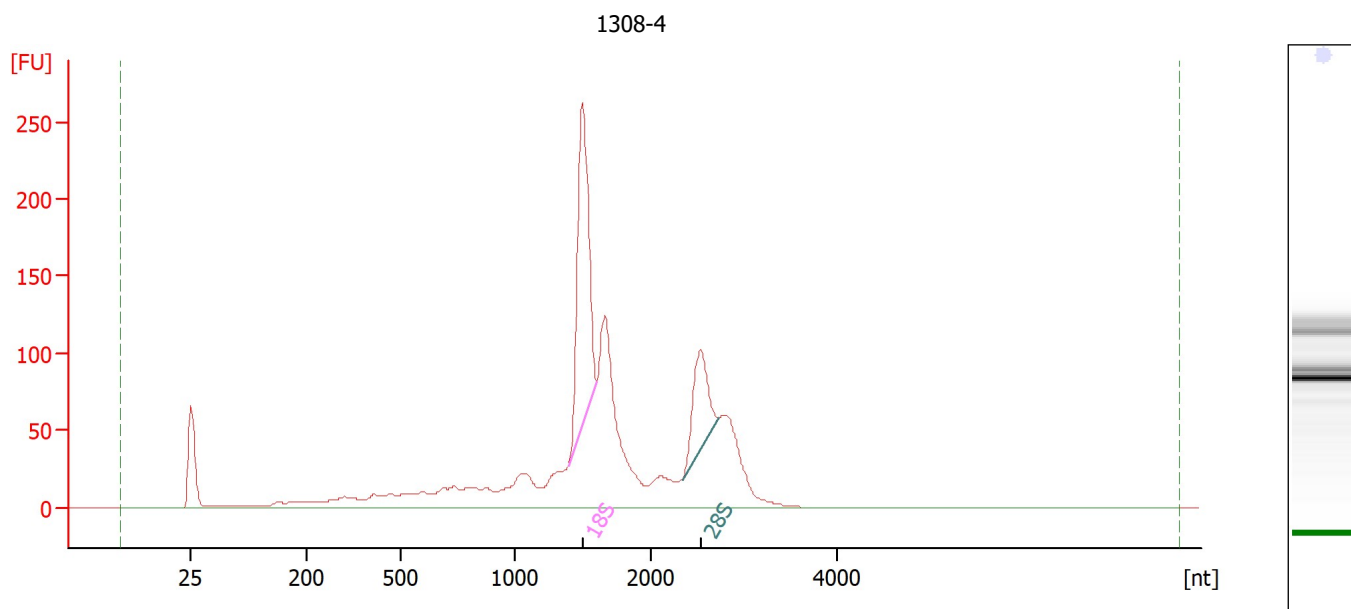
Fragment table for sample 3 : 1308-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,391	1,620	38.2	21.1
28S	2,260	2,750	14.8	8.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1308-4

RNA Area:	1,656.5	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	3,944 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.10

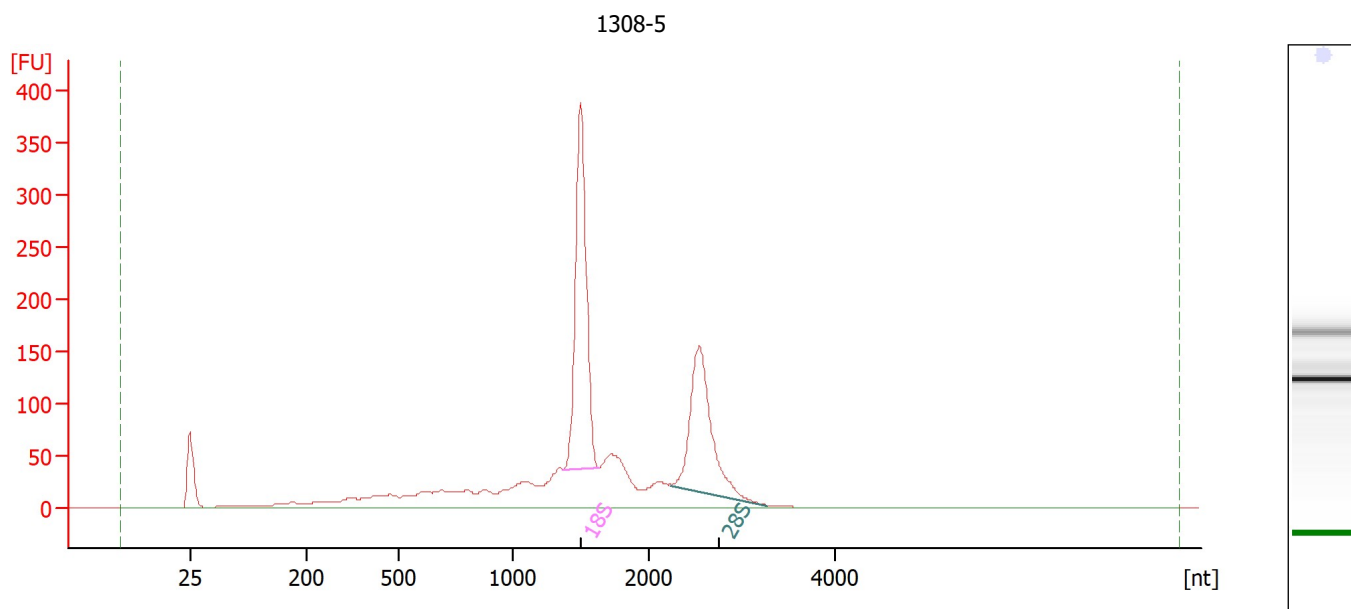
Fragment table for sample 4 : 1308-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,401	1,605	301.3	18.2
28S	2,340	2,726	107.9	6.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1308-5

RNA Area:	1,910.6	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,550 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.90

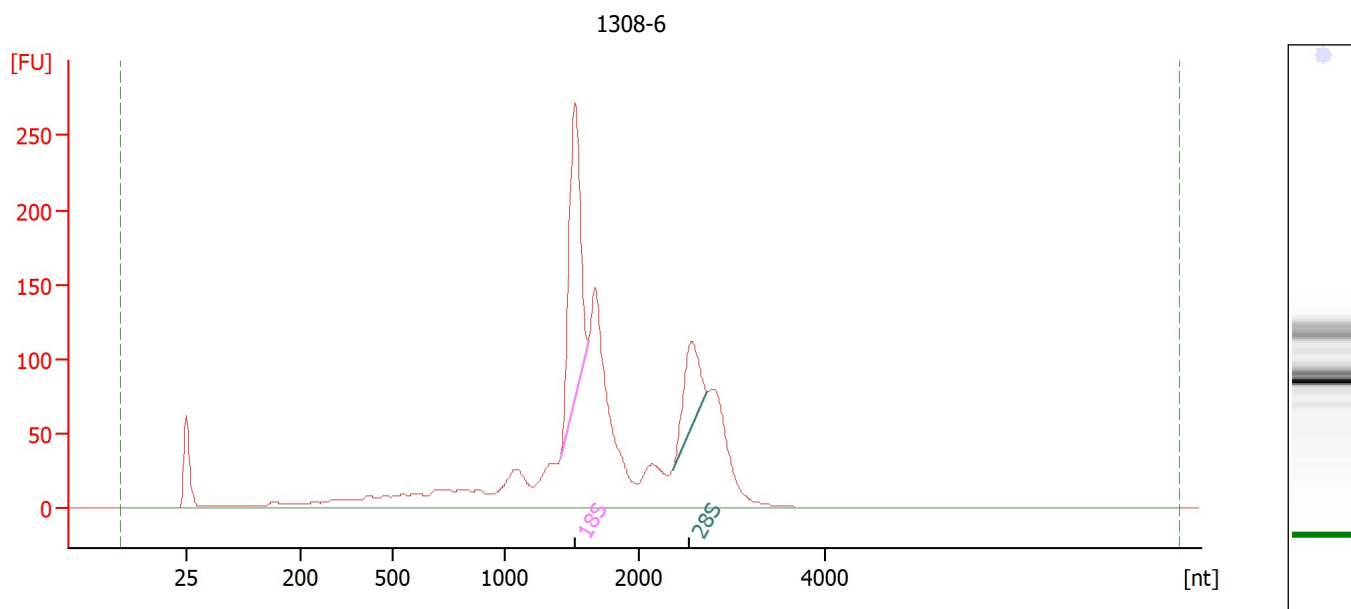
Fragment table for sample 5 : 1308-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,636	503.6	26.4
28S	2,248	3,263	337.0	17.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1308-6

RNA Area:	1,869.6	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	4,452 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.70

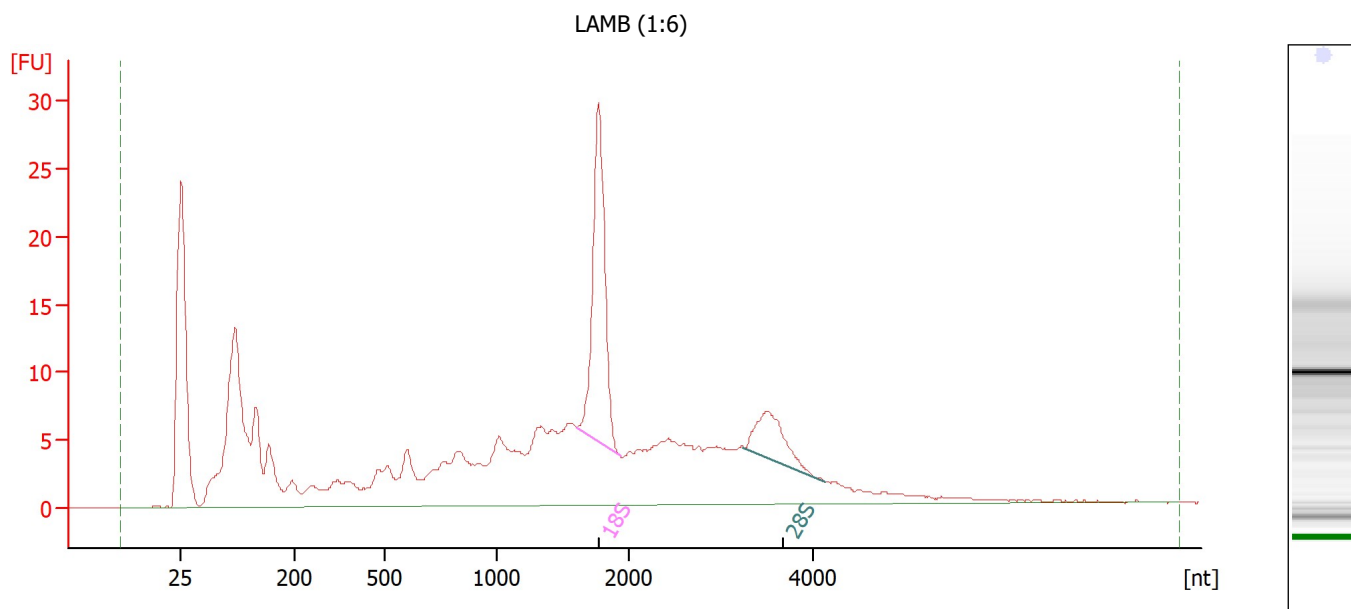
Fragment table for sample 6 : 1308-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,408	1,615	287.7	15.4
28S	2,351	2,731	105.3	5.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LAMB (1:6)

RNA Area:	348.2	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	829 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.20

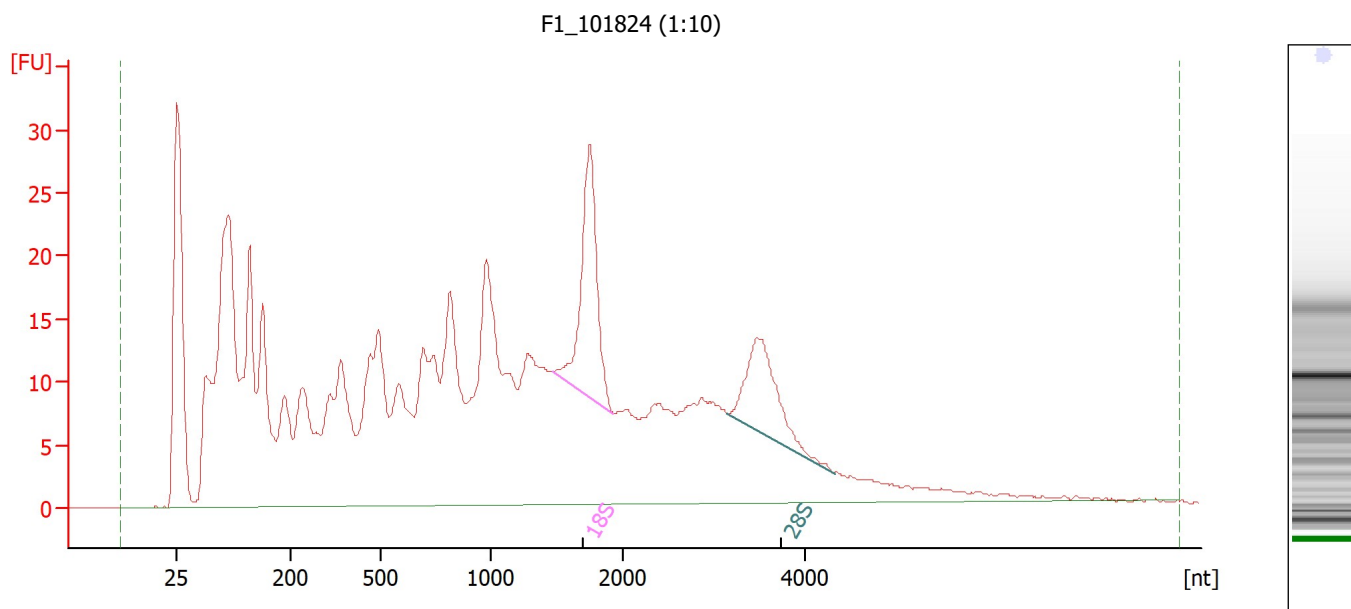
Fragment table for sample 7 : LAMB (1:6)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,930	38.5	11.1
28S	3,248	4,132	11.0	3.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : F1_101824 (1:10)

RNA Area:	851.3	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	2,027 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN:5

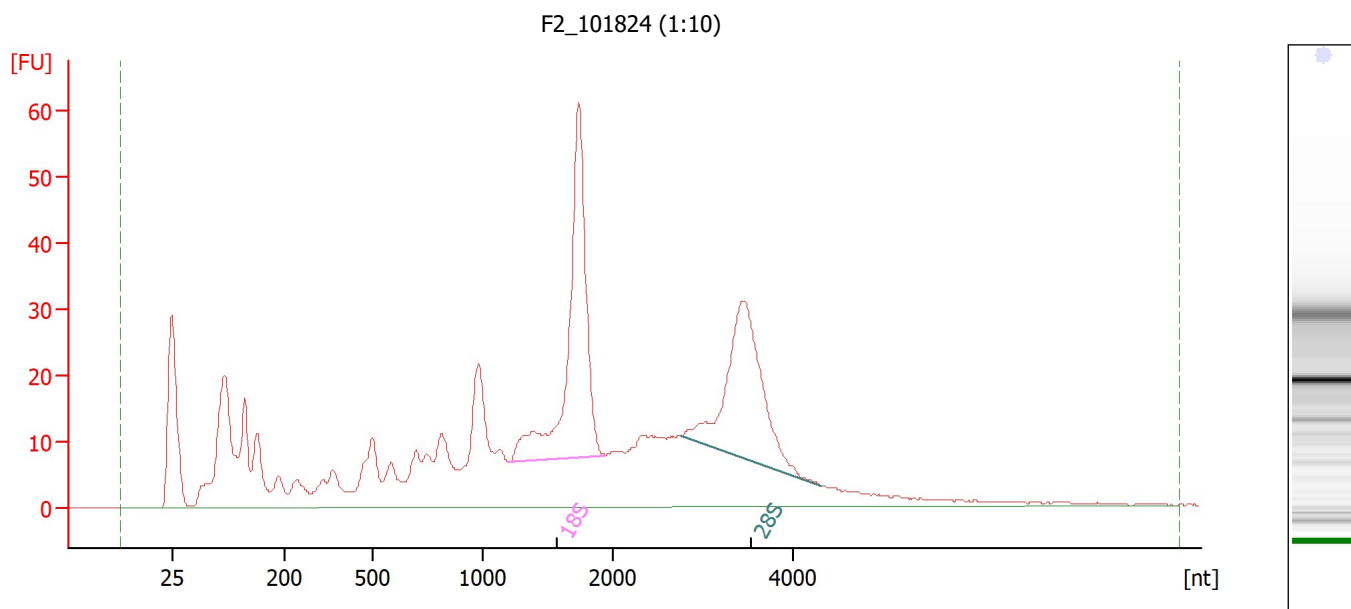
Fragment table for sample 8 : F1_101824 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,474	1,928	40.2	4.7
28S	3,149	4,320	25.2	3.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : F2_101824 (1:10)

RNA Area:	822.3	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	1,958 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.50

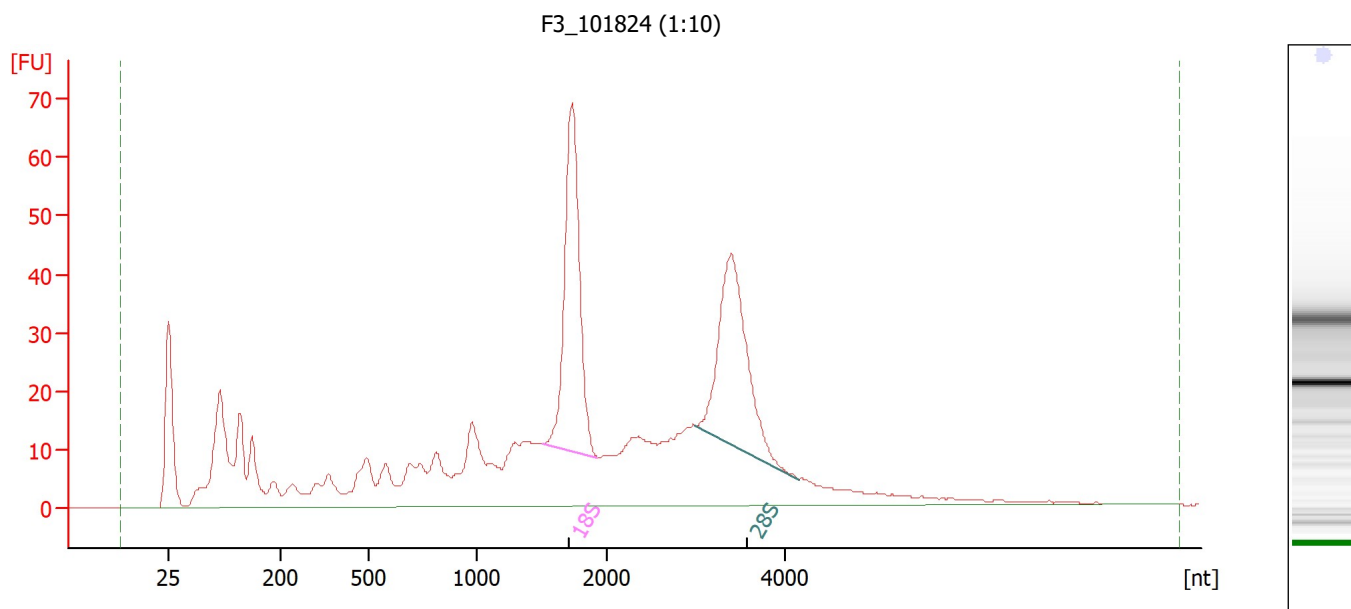
Fragment table for sample 9 : F2_101824 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,204	1,941	123.3	15.0
28S	2,756	4,319	94.4	11.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : F3_101824 (1:10)

RNA Area:	867.8	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	2,066 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.30

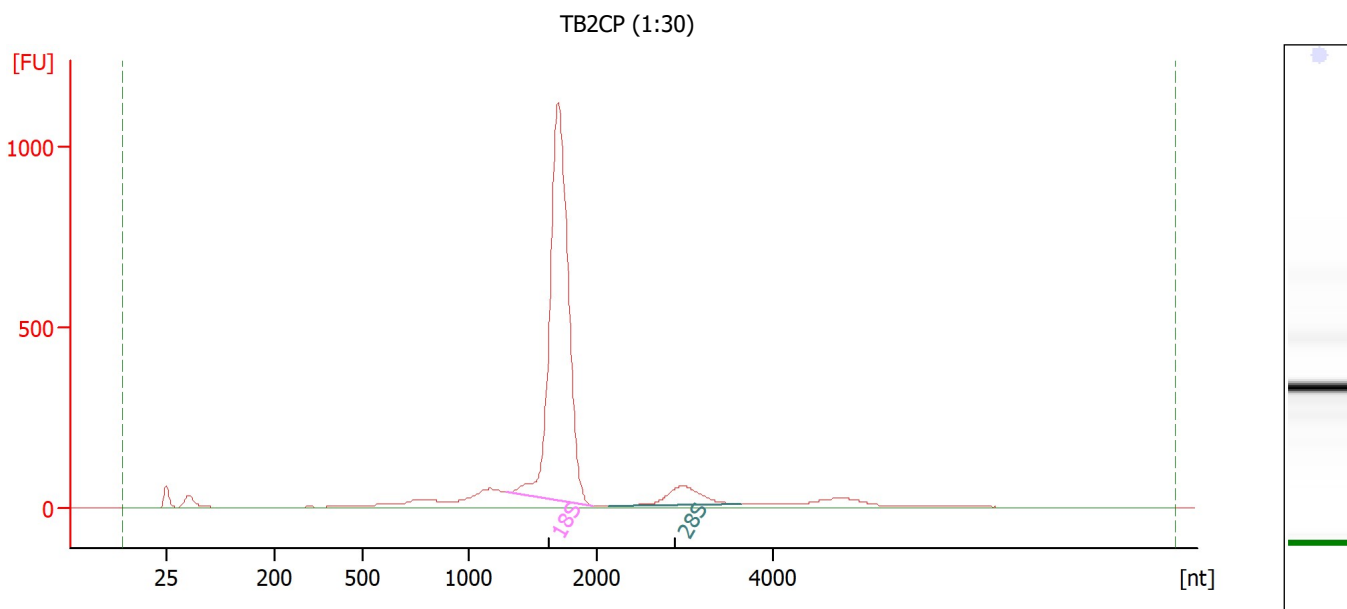
Fragment table for sample 10 : F3_101824 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,931	117.2	13.5
28S	2,997	4,142	103.4	11.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TB2CP (1:30)

RNA Area:	4,249.9	RNA Integrity Number (RIN):	9.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	10,120 pg/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.50

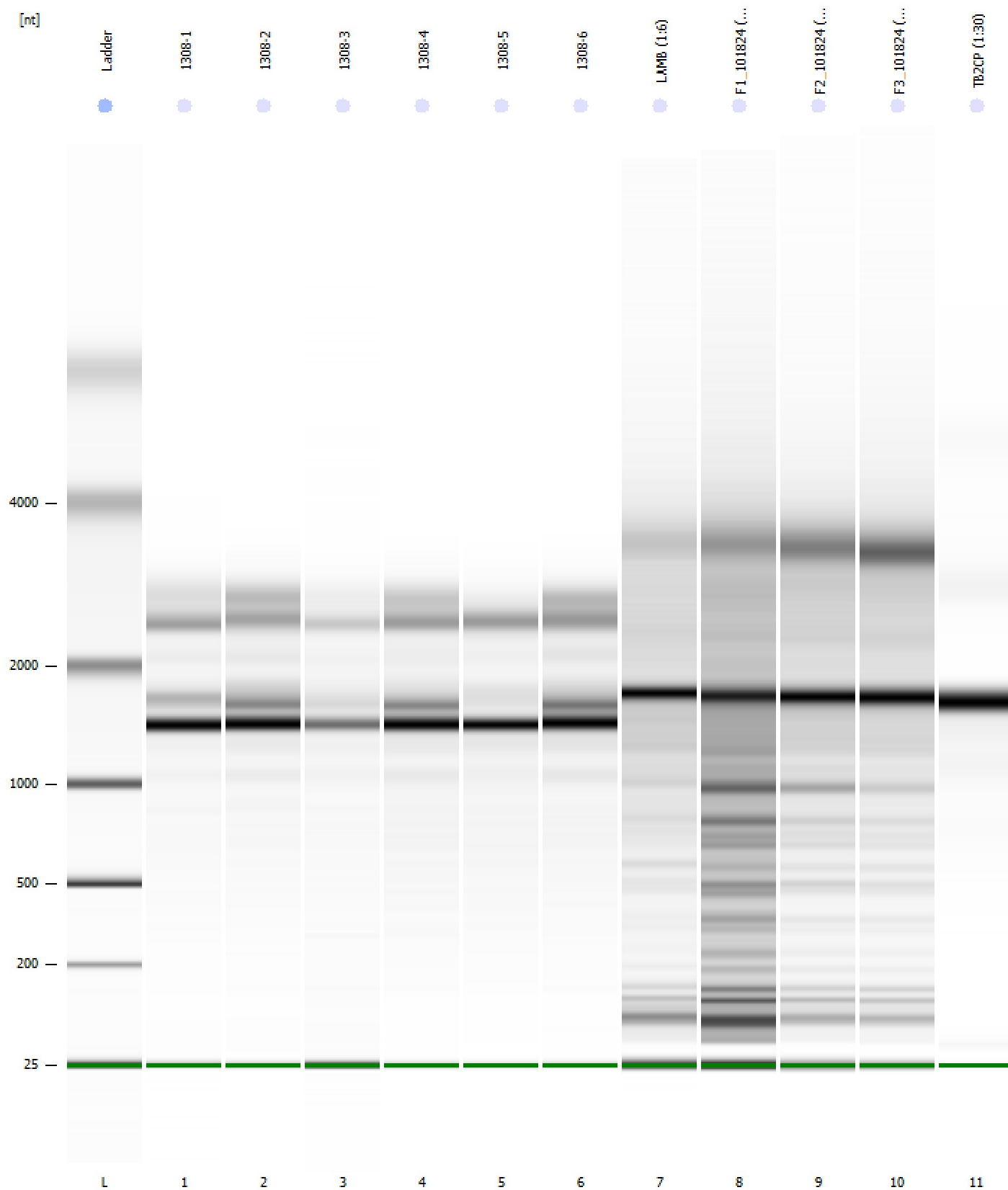
Fragment table for sample 11 : TB2CP (1:30)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,296	1,970	2,778.2	65.4
28S	2,125	3,630	210.4	4.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad

Created: 5/16/2025 1:43:43 PM
Modified: 5/16/2025 2:22:22 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad
 Created: 5/16/2025 1:43:43 PM
 Modified: 5/16/2025 2:22:22 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		5/16/2025 2:06:36 PM	(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\2025-05-16\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_001.xad)		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2025 1:43:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB