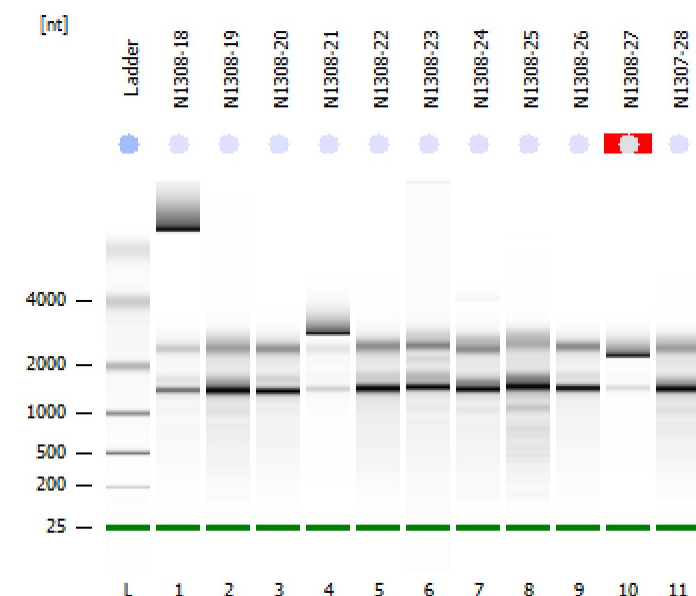


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 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)

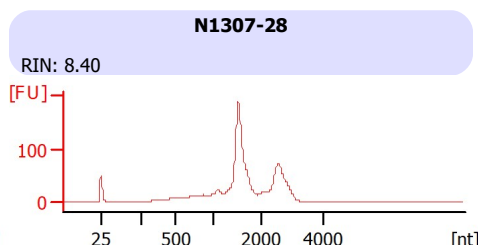
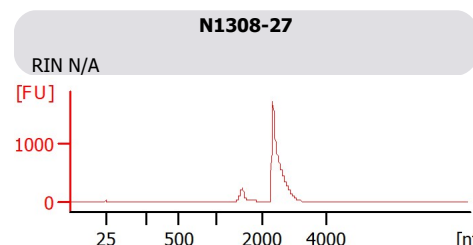
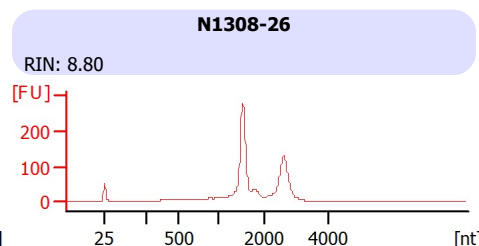
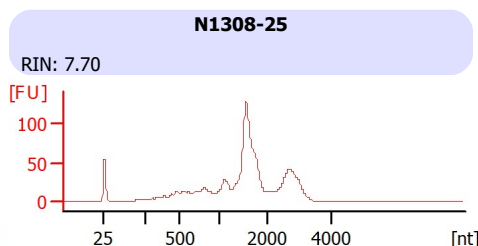
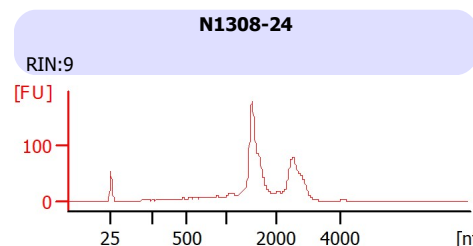
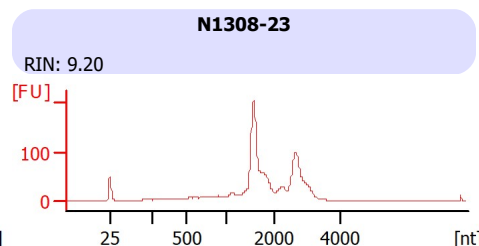
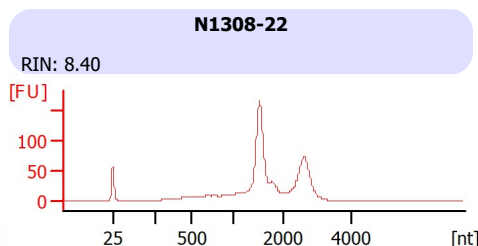
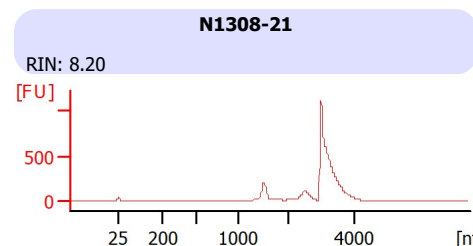
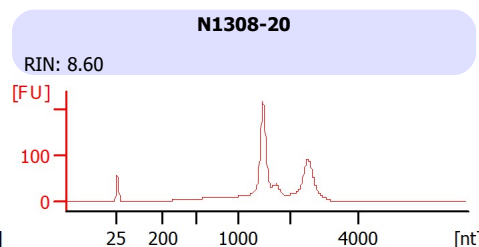
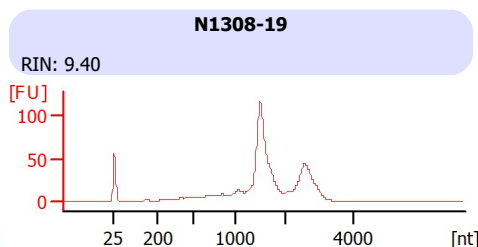
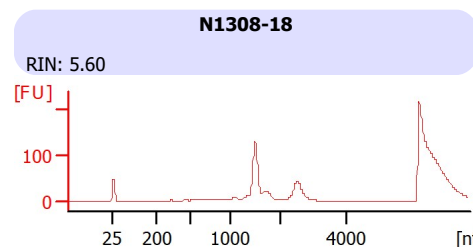
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
 Modified: 5/20/2025 4:41:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
N1308-18		✓	RIN: 5.60	
N1308-19		✓	RIN: 9.40	
N1308-20		✓	RIN: 8.60	
N1308-21		✓	RIN: 8.20	
N1308-22		✓	RIN: 8.40	
N1308-23		✓	RIN: 9.20	
N1308-24		✓	RIN:9	
N1308-25		✓	RIN: 7.70	
N1308-26		✓	RIN: 8.80	
N1308-27		✓	RIN N/A	
N1307-28		✓	RIN: 8.40	
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_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
 Modified: 5/20/2025 4:41:40 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

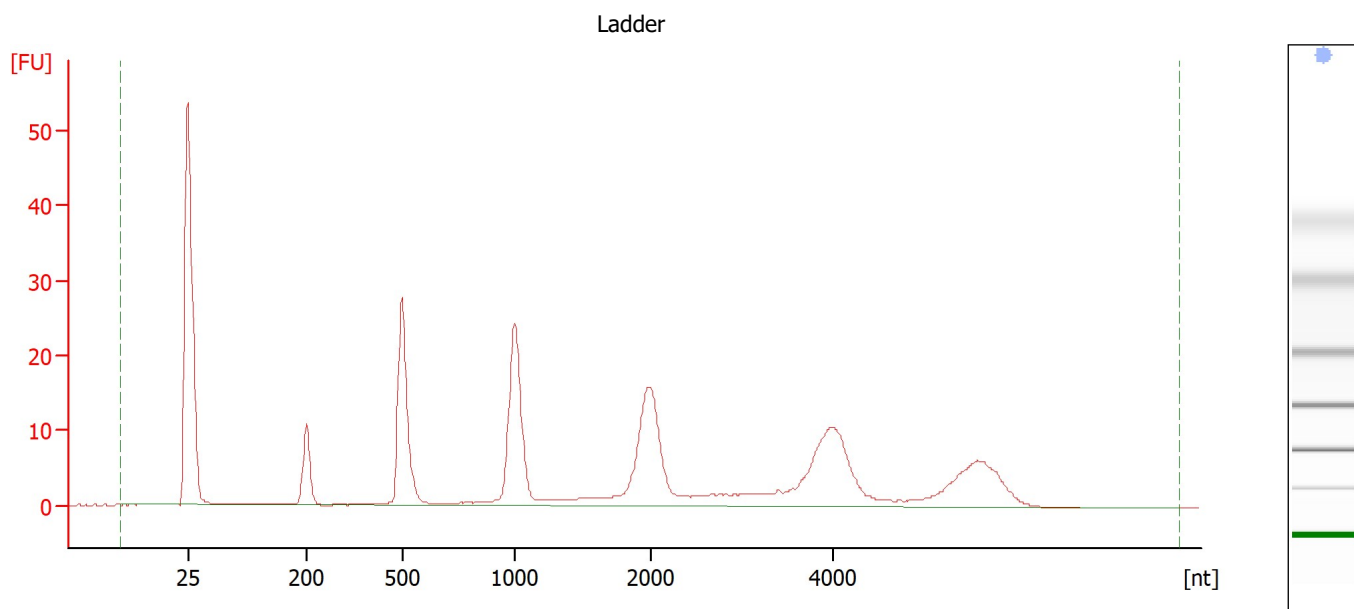
Ladder

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_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary



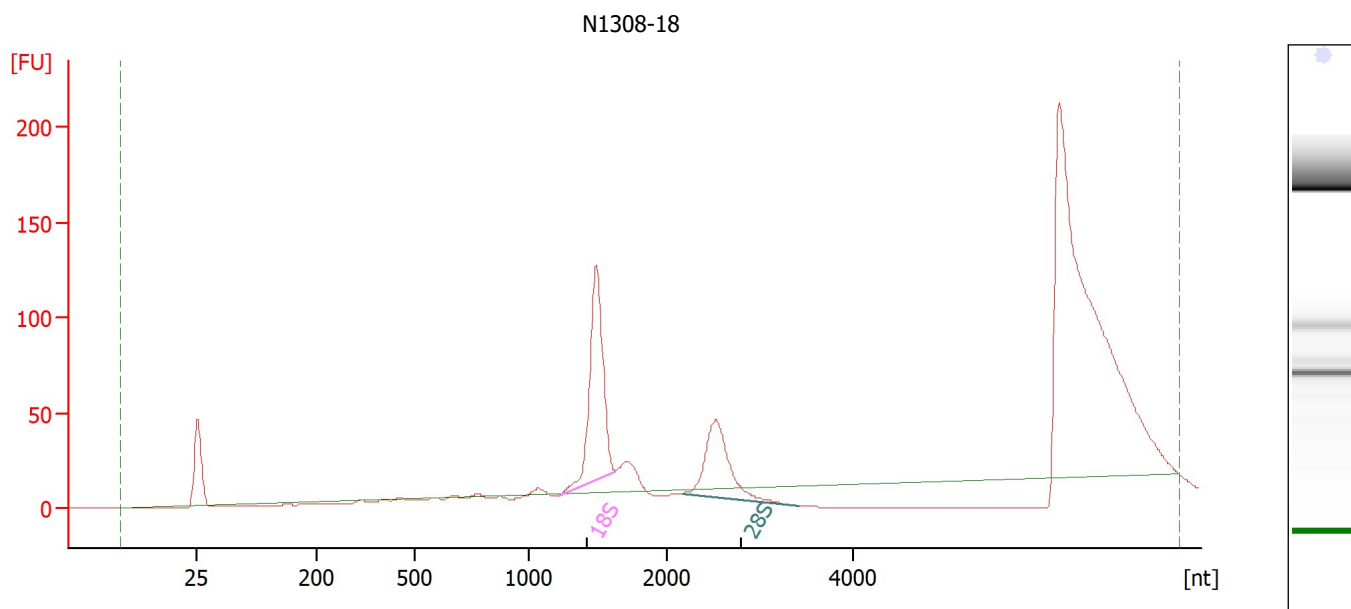
Overall Results for Ladder

RNA Area:	251.9	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_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



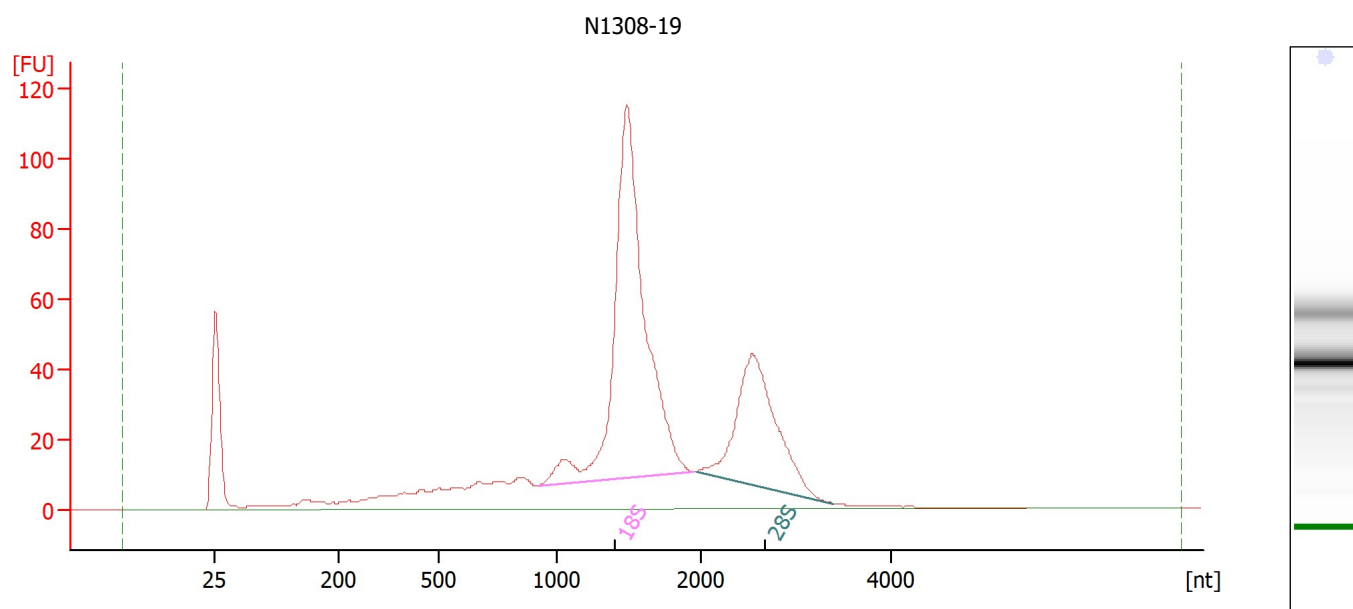
Overall Results for sample 1 : N1308-18

RNA Area:	944.7	RNA Integrity Number (RIN):	5.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,750 pg/μl		
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Color:	
		Result Flagging Label:	RIN: 5.60

Fragment table for sample 1 : N1308-18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,213	1,631	190.6	20.2
28S	2,165	3,417	109.5	11.6

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM



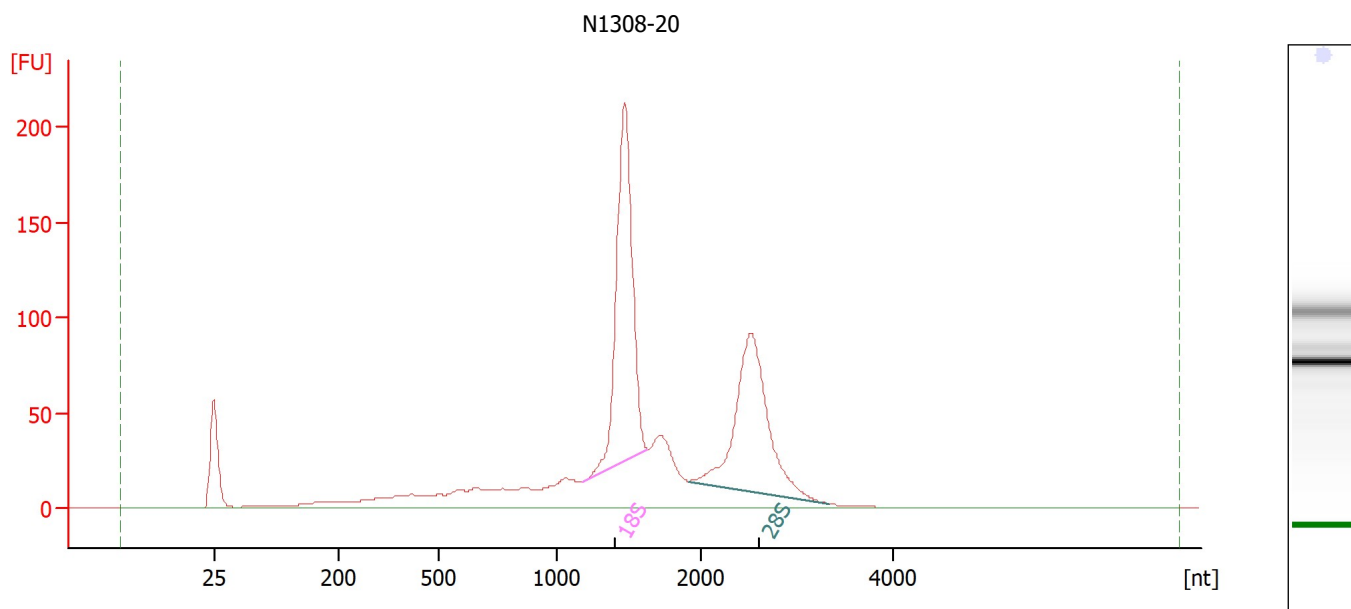
RNA Area:	963.0	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,823 pg/μl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	920	1,955	397.2	41.2
28S	1,978	3,380	163.8	17.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : N1308-20

RNA Area:	1,357.5	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,388 pg/μl		
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.60

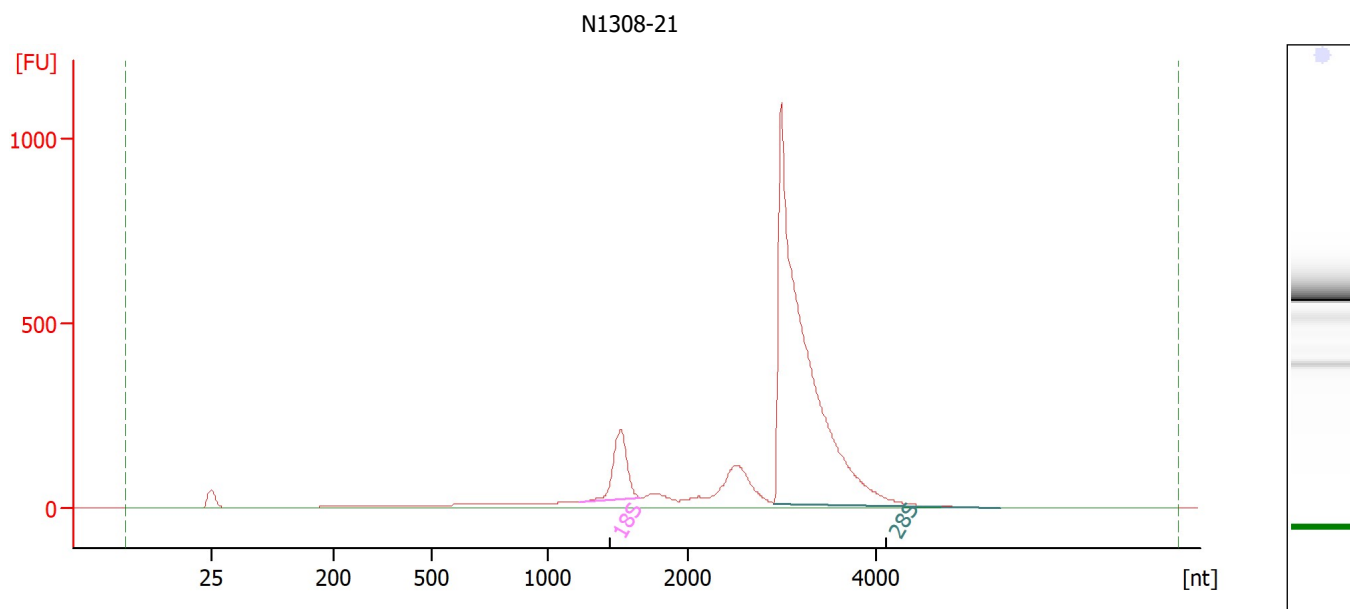
Fragment table for sample 3 : N1308-20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,185	1,634	370.3	27.3
28S	1,918	3,345	297.1	21.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : N1308-21

RNA Area:	4,454.7	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	17,683 pg/μl		
rRNA Ratio [28s / 18s]:	8.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.20

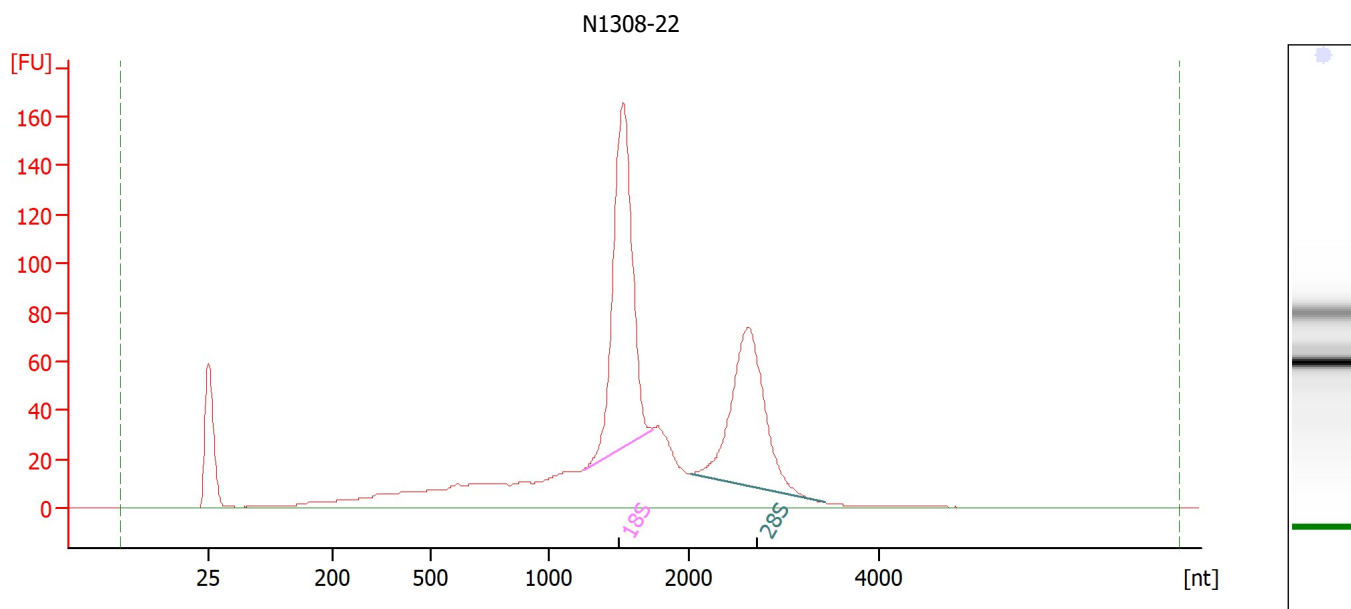
Fragment table for sample 4 : N1308-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,231	1,664	336.0	7.5
28S	2,910	5,311	2,932.5	65.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : N1308-22

RNA Area:	1,251.3	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,967 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.40

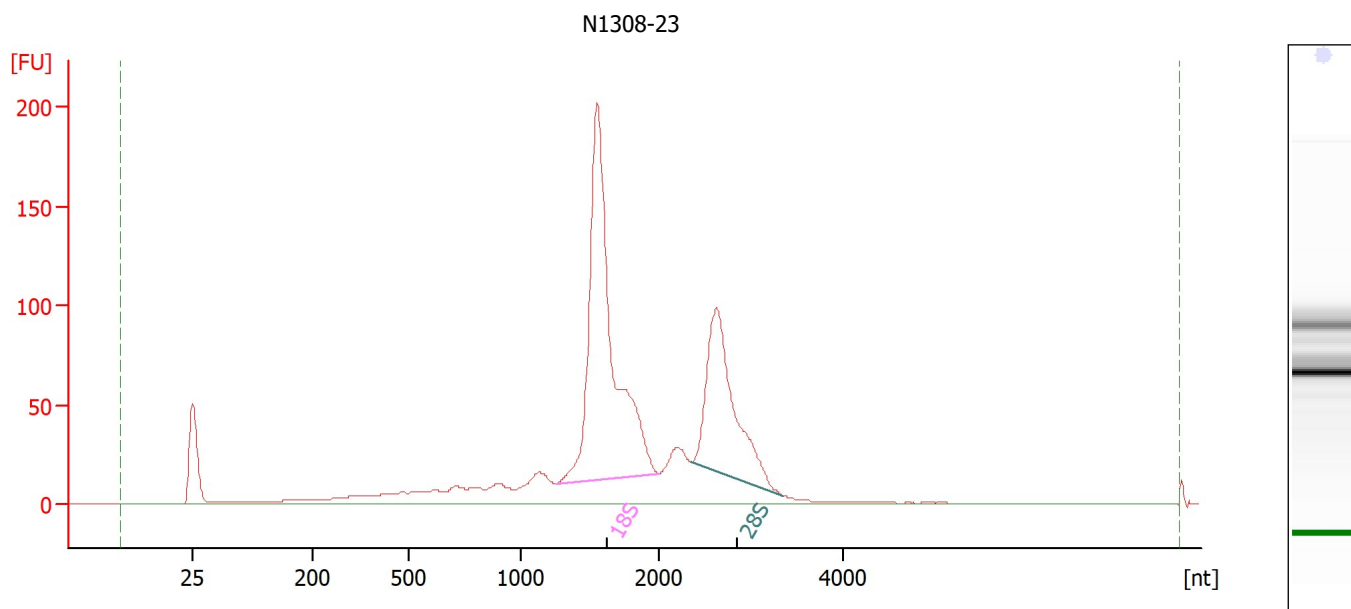
Fragment table for sample 5 : N1308-22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,258	1,734	333.5	26.7
28S	2,021	3,413	241.3	19.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : N1308-23

RNA Area:	1,405.3	RNA Integrity Number (RIN):	9.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,578 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.20

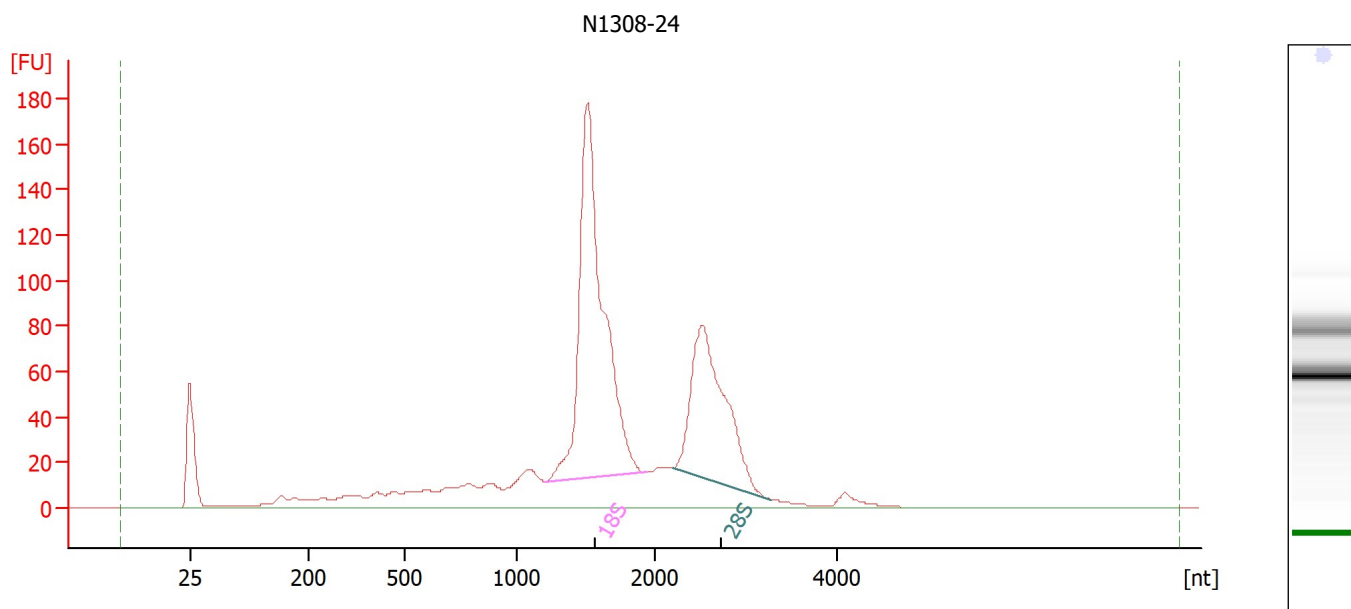
Fragment table for sample 6 : N1308-23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,252	2,013	544.2	38.7
28S	2,361	3,358	258.7	18.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : N1308-24

RNA Area:	1,379.9	RNA Integrity Number (RIN):	9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,477 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN:9

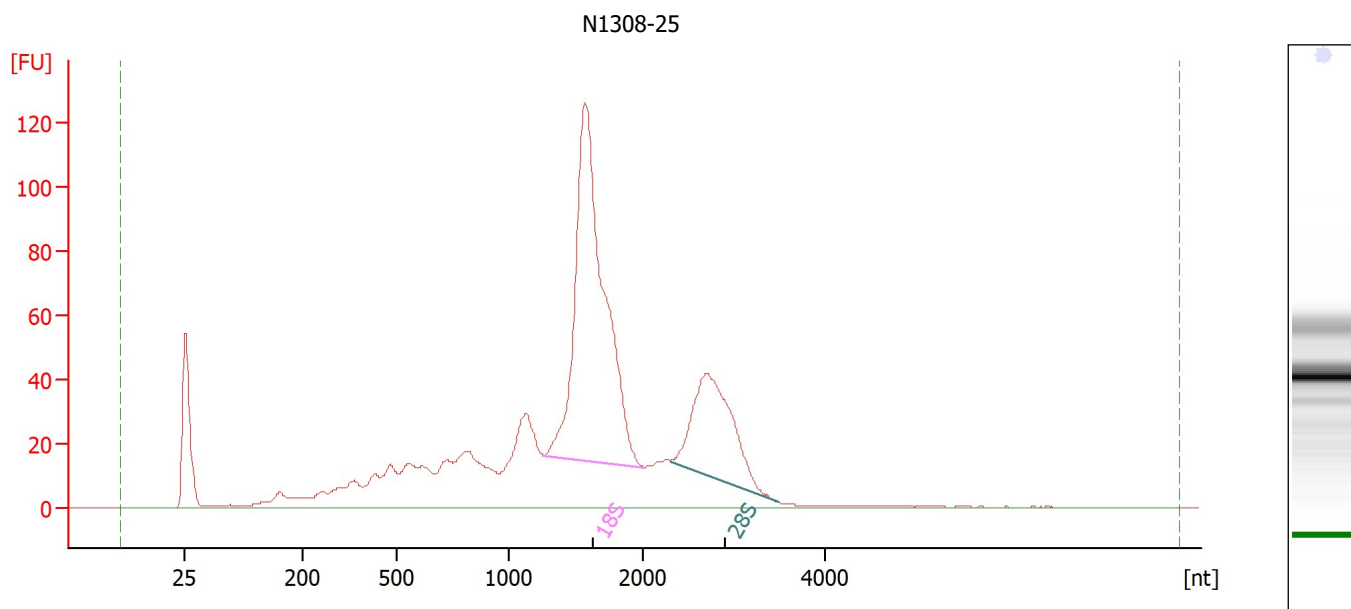
Fragment table for sample 7 : N1308-24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,201	1,953	504.6	36.6
28S	2,199	3,281	265.0	19.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N1308-25

RNA Area:	1,286.1	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,105 pg/μl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

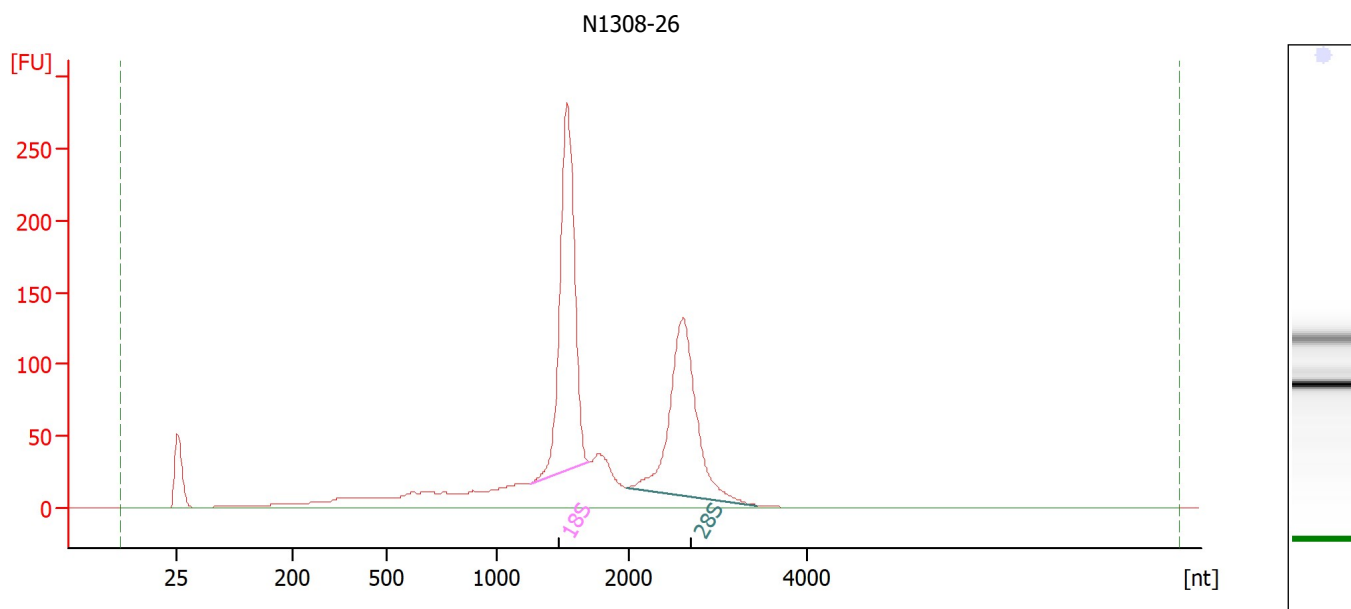
Fragment table for sample 8 : N1308-25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,253	2,010	412.1	32.0
28S	2,292	3,481	148.2	11.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : N1308-26

RNA Area:	1,608.5	RNA Integrity Number (RIN):	8.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,385 pg/μl		
rRNA Ratio [28S / 18S]:	0.8	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.80

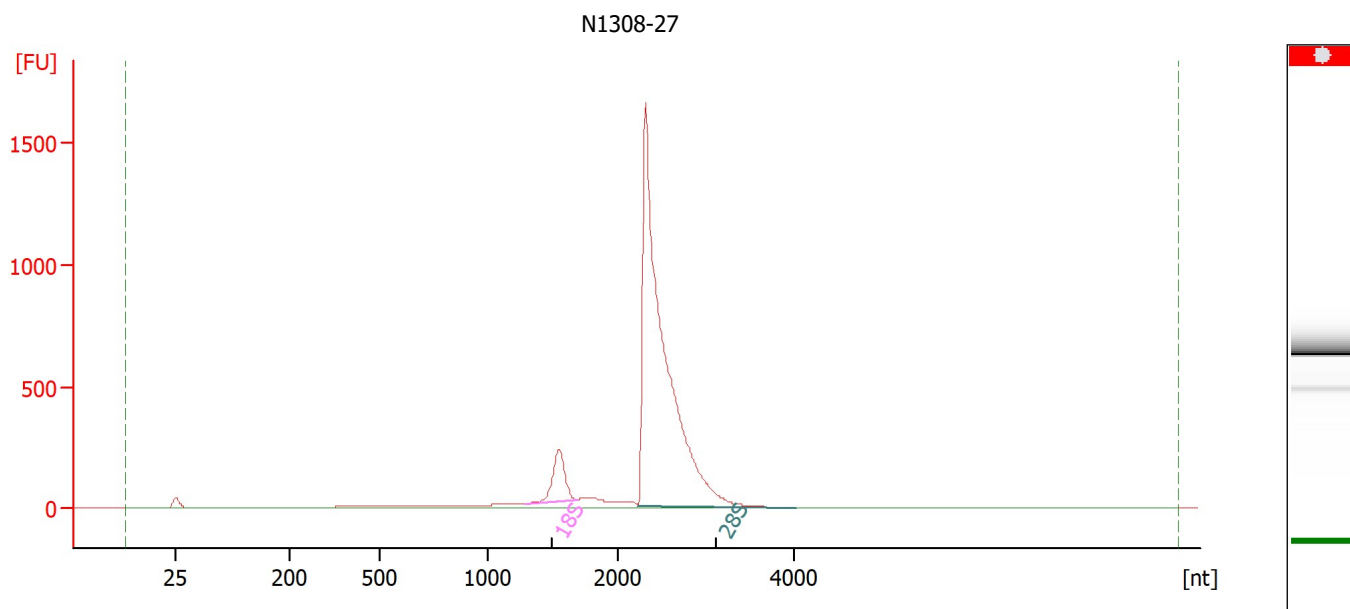
Fragment table for sample 9 : N1308-26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,263	1,698	497.5	30.9
28S	1,980	3,429	387.2	24.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : N1308-27

RNA Area:	5,323.9	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	21,133 pg/μl		
rRNA Ratio [28s / 18s]:	11.4	Result Flagging Color:	
		Result Flagging Label:	RIN N/A

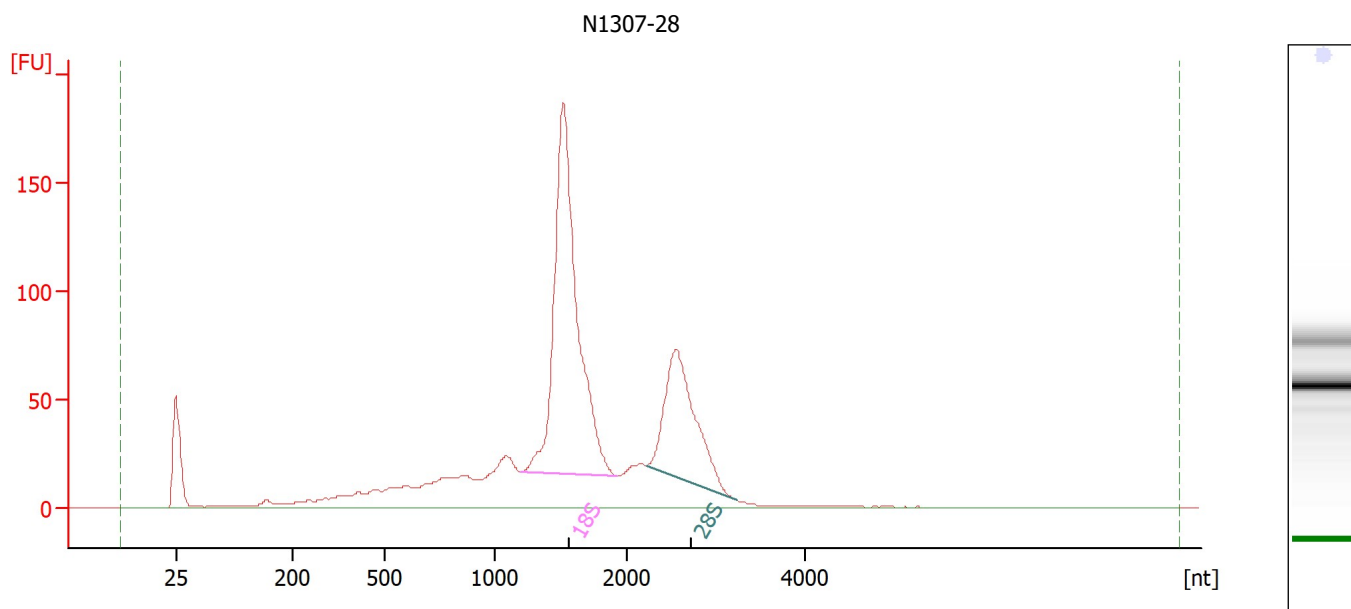
Fragment table for sample 10 : N1308-27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,283	1,683	359.2	6.7
28S	2,221	4,015	4,106.5	77.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : N1307-28

RNA Area:	1,423.8	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,652 pg/μl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.40

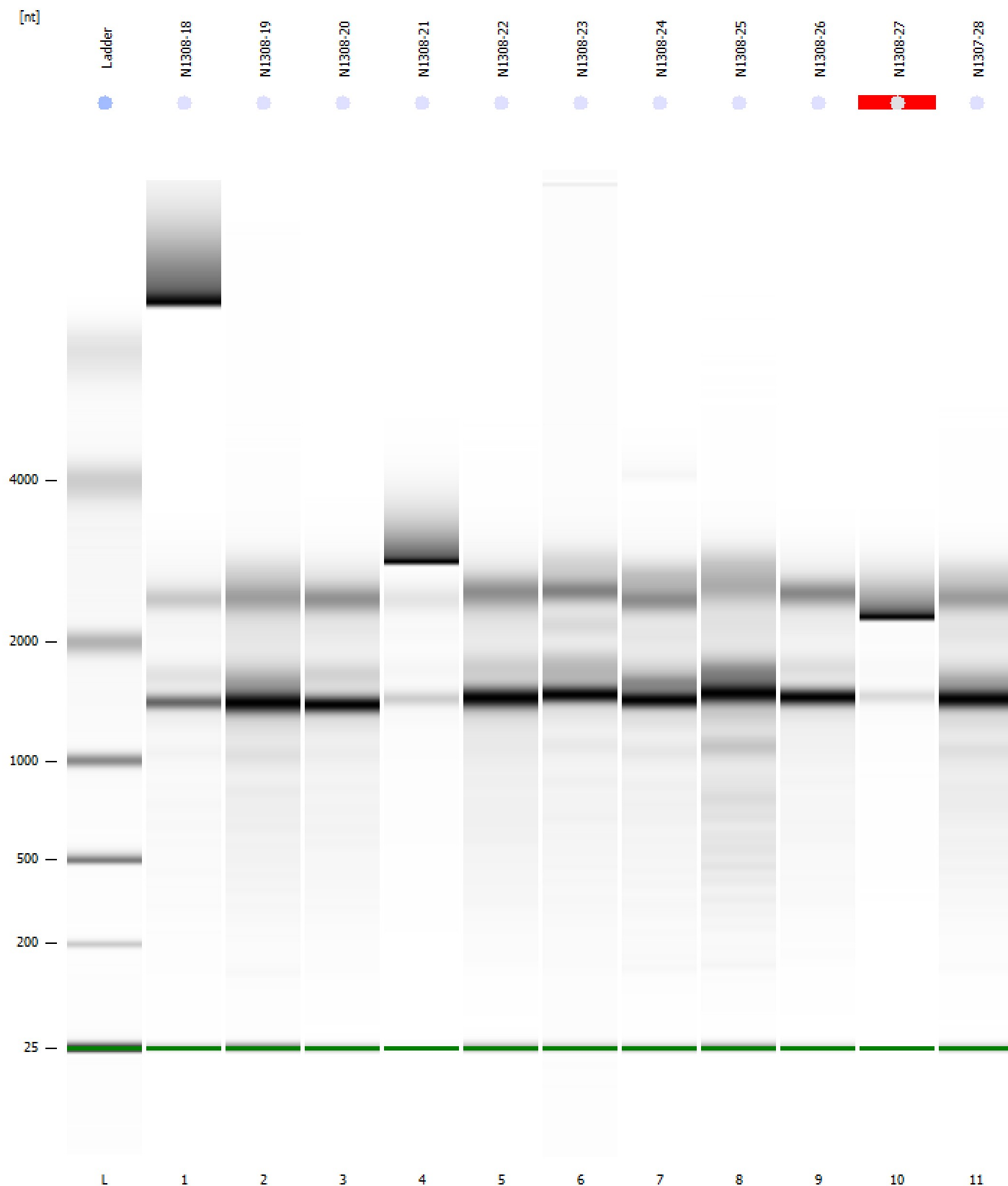
Fragment table for sample 11 : N1307-28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,205	1,923	518.6	36.4
28S	2,221	3,240	215.4	15.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad

Created: 5/20/2025 4:02:31 PM
Modified: 5/20/2025 4:41:40 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		5/20/2025 4:25:33 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\2025-05-20\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-05-20_001.xad)		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/20/2025 4:02:41 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB