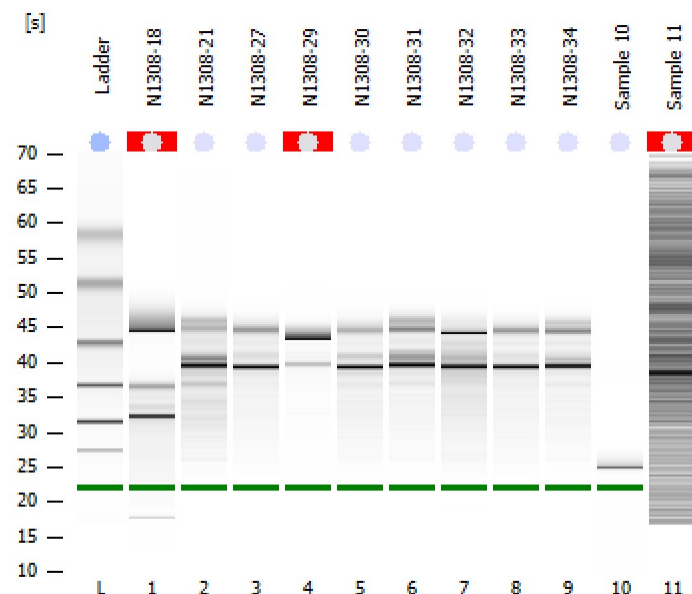


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 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:

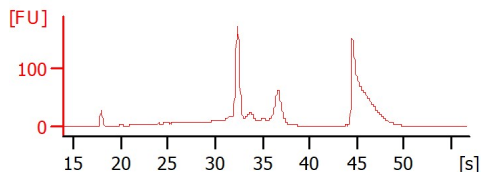
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

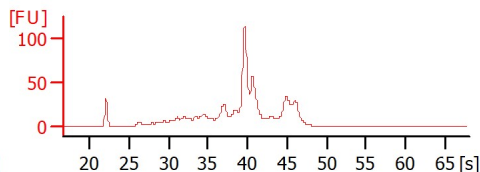
N1308-18

RIN N/A



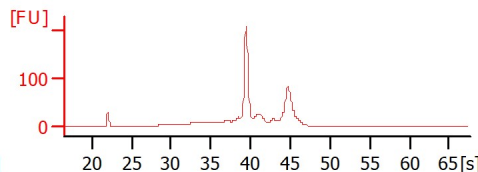
N1308-21

RIN: 5.80



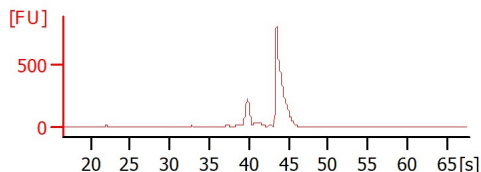
N1308-27

RIN: 7.70



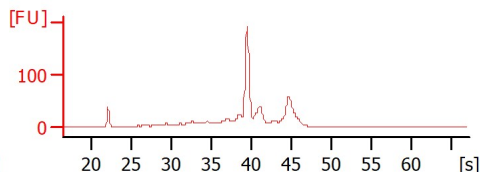
N1308-29

RIN N/A



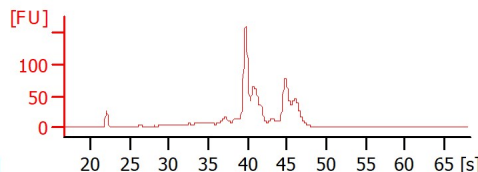
N1308-30

RIN: 7.20



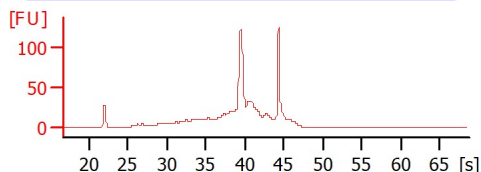
N1308-31

RIN: 7.10



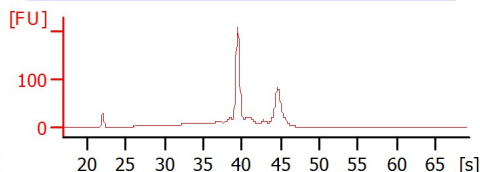
N1308-32

RIN: 6.70



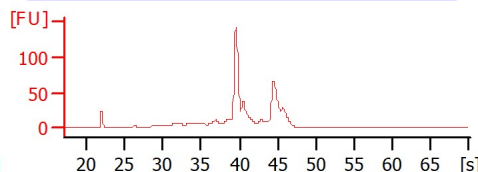
N1308-33

RIN: 7.50



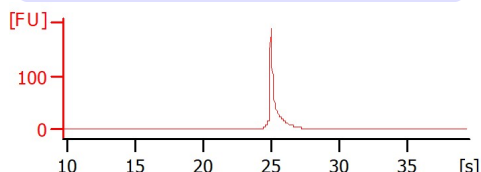
N1308-34

RIN: 7.40



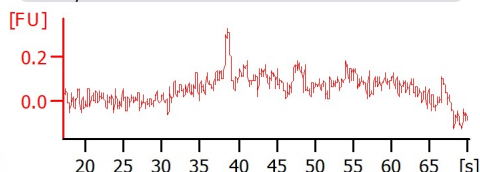
Sample 10

RIN: 2.60



Sample 11

RIN N/A



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
N1308-18		✓	RIN N/A	
N1308-21		✓	RIN: 5.80	
N1308-27		✓	RIN: 7.70	
N1308-29		✓	RIN N/A	
N1308-30		✓	RIN: 7.20	
N1308-31		✓	RIN: 7.10	
N1308-32		✓	RIN: 6.70	
N1308-33		✓	RIN: 7.50	
N1308-34		✓	RIN: 7.40	
Sample 10		✓	RIN: 2.60	
Sample 11		✓	RIN N/A	
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_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 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

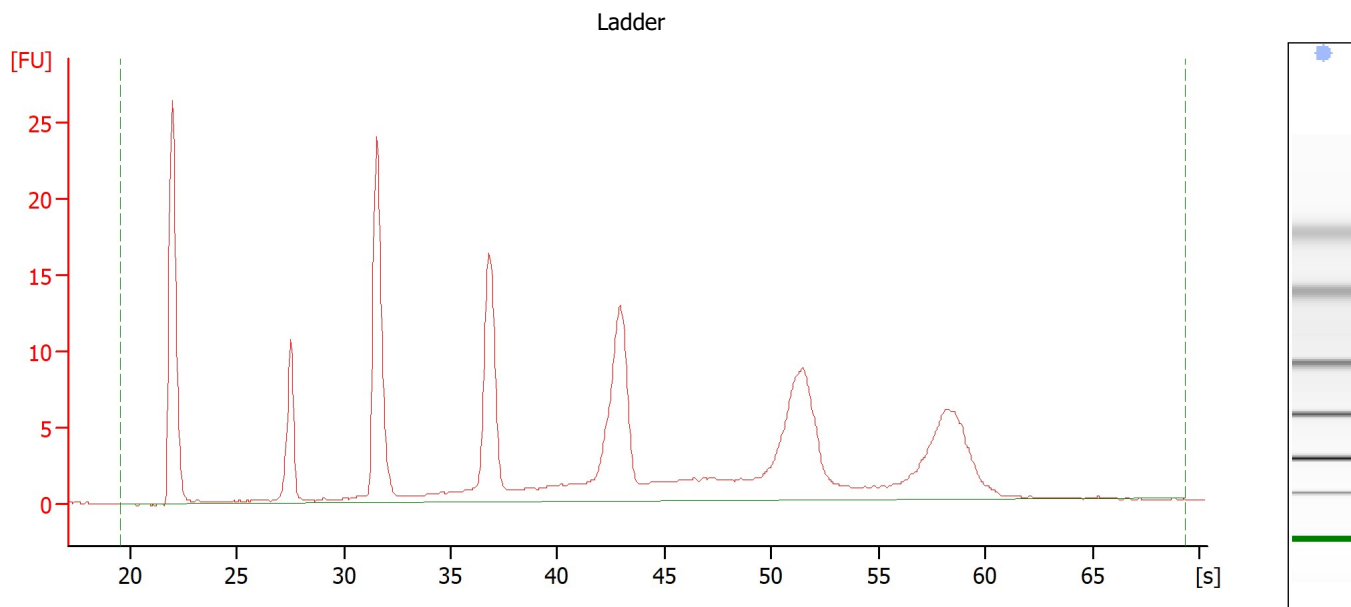
Ladder

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_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary



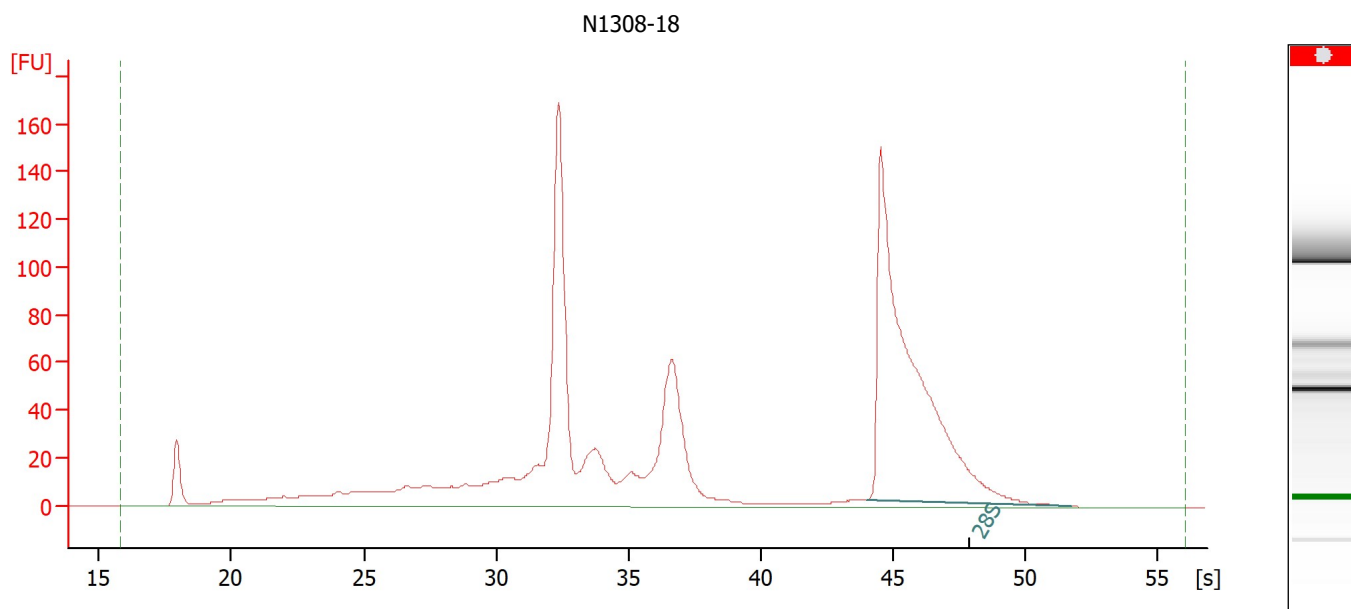
Overall Results for Ladder

RNA Area:	203.8	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_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : N1308-18

RNA Area:	1,422.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6,978 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

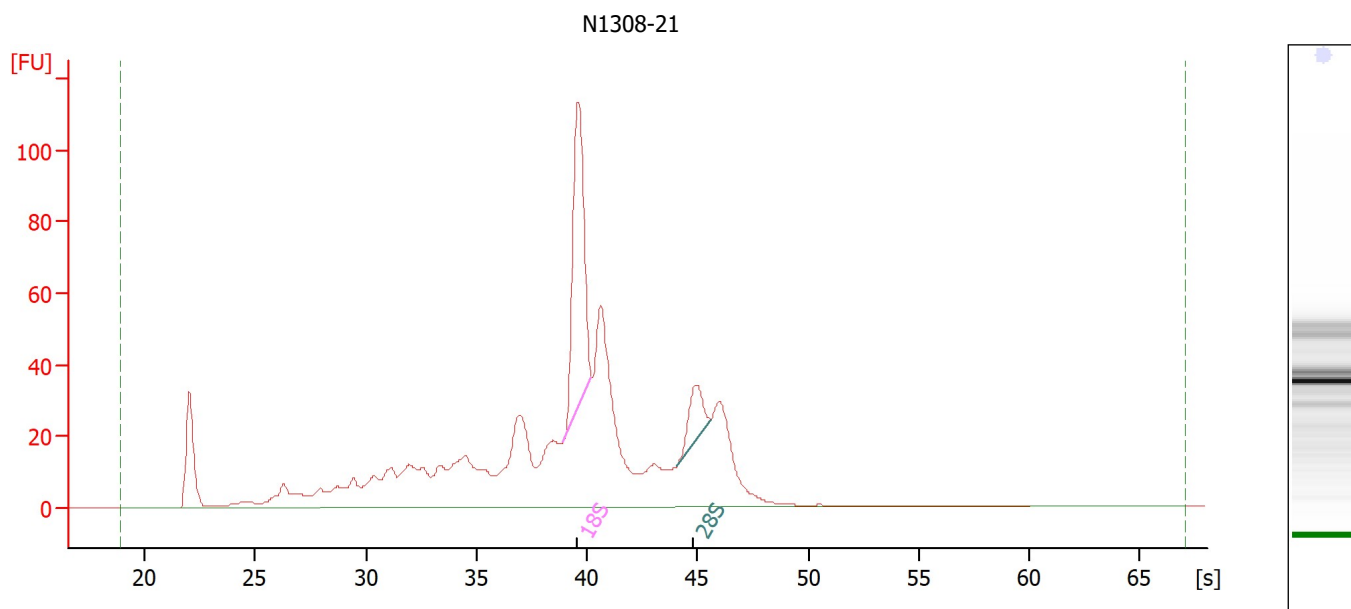
Fragment table for sample 1 : N1308-18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,248	4,065	463.6	32.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : N1308-21

RNA Area:	964.8	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	4,733 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.80

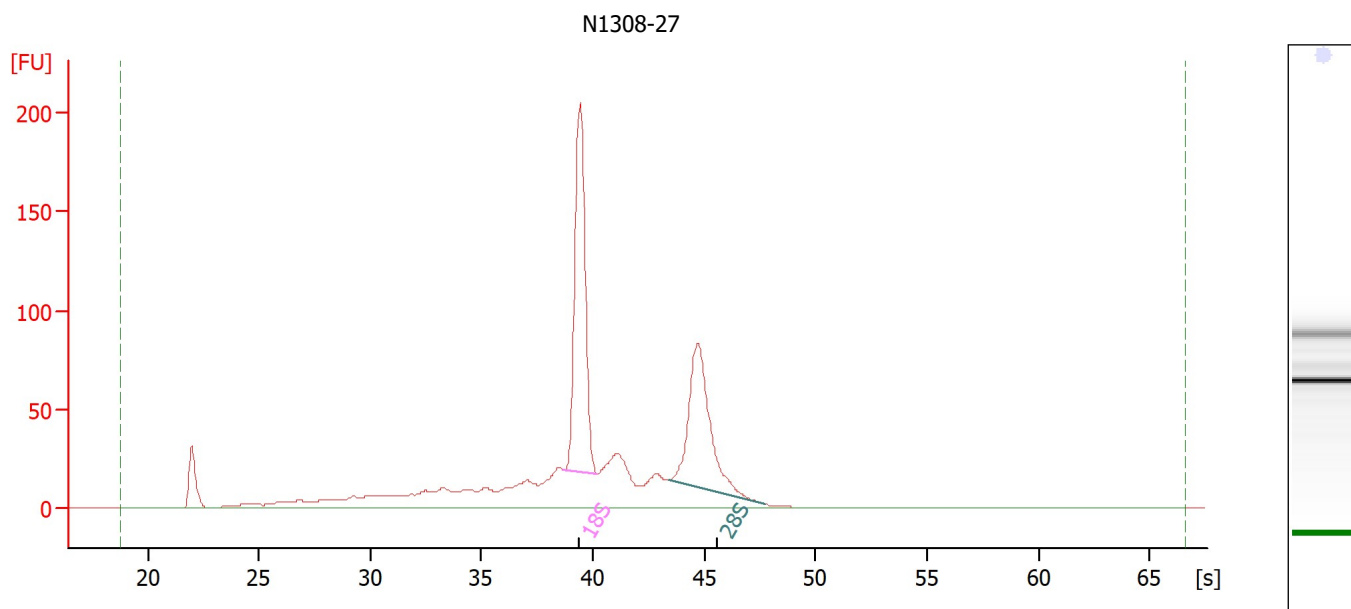
Fragment table for sample 2 : N1308-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,347	1,553	124.9	12.9
28S	2,271	2,614	24.1	2.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : N1308-27

RNA Area:	1,044.0	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	5,121 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.70

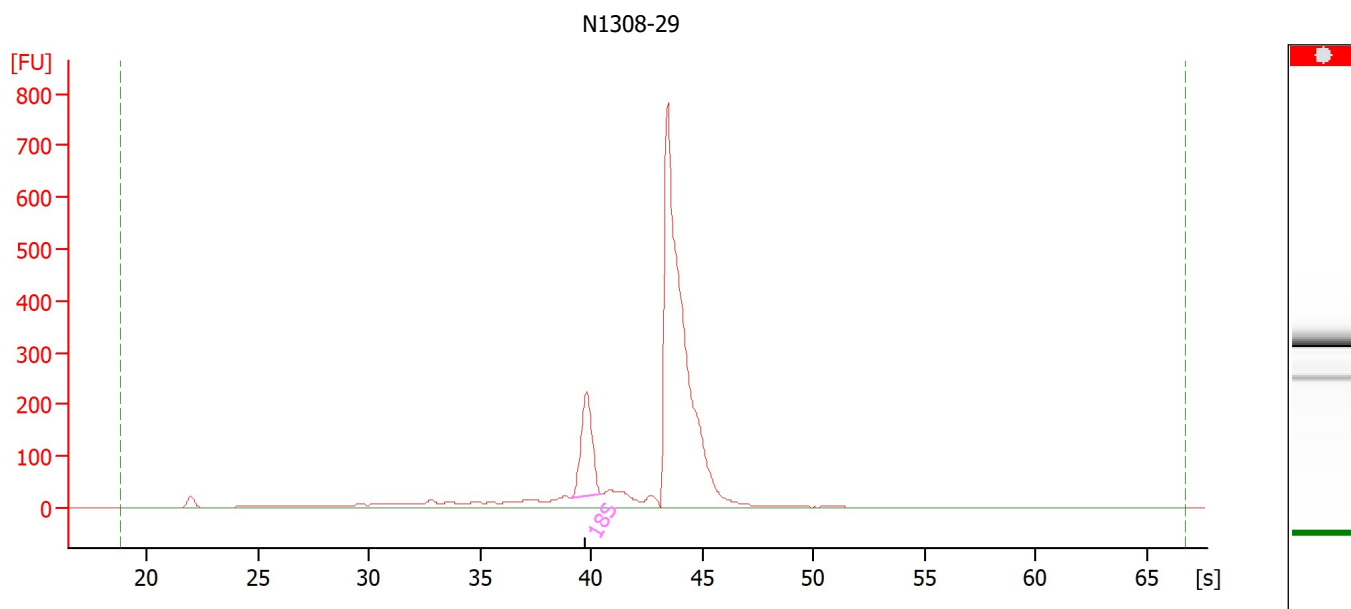
Fragment table for sample 3 : N1308-27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,306	1,550	253.5	24.3
28S	2,100	3,123	182.1	17.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : N1308-29

RNA Area:	2,645.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	12,980 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

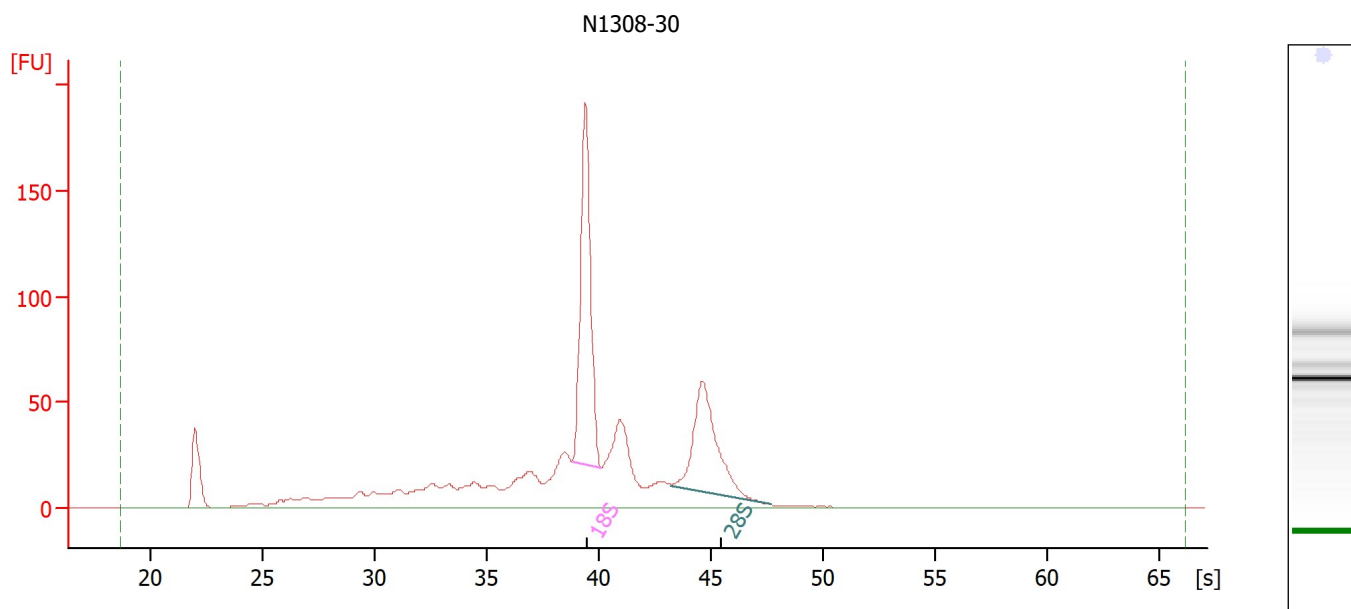
Fragment table for sample 4 : N1308-29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	1,596	293.2	11.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : N1308-30

RNA Area:	1,014.4	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	4,976 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.20

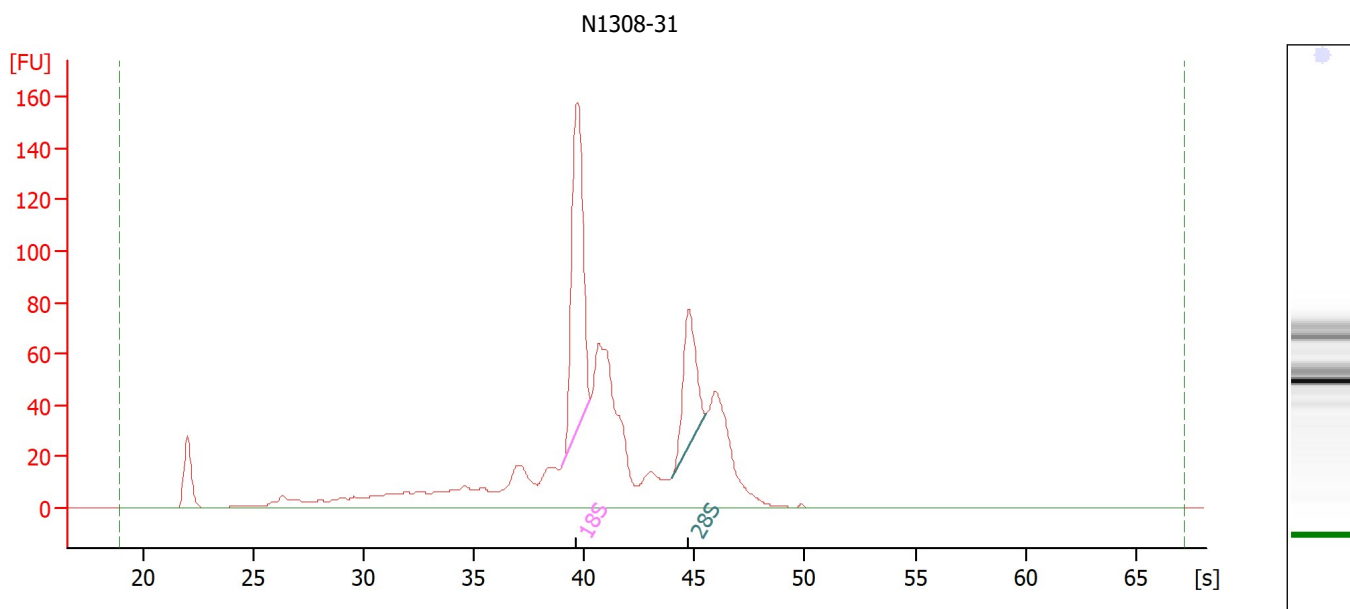
Fragment table for sample 5 : N1308-30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,327	1,538	223.2	22.0
28S	2,067	3,118	139.3	13.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : N1308-31

RNA Area:	1,081.5	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	5,305 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.10

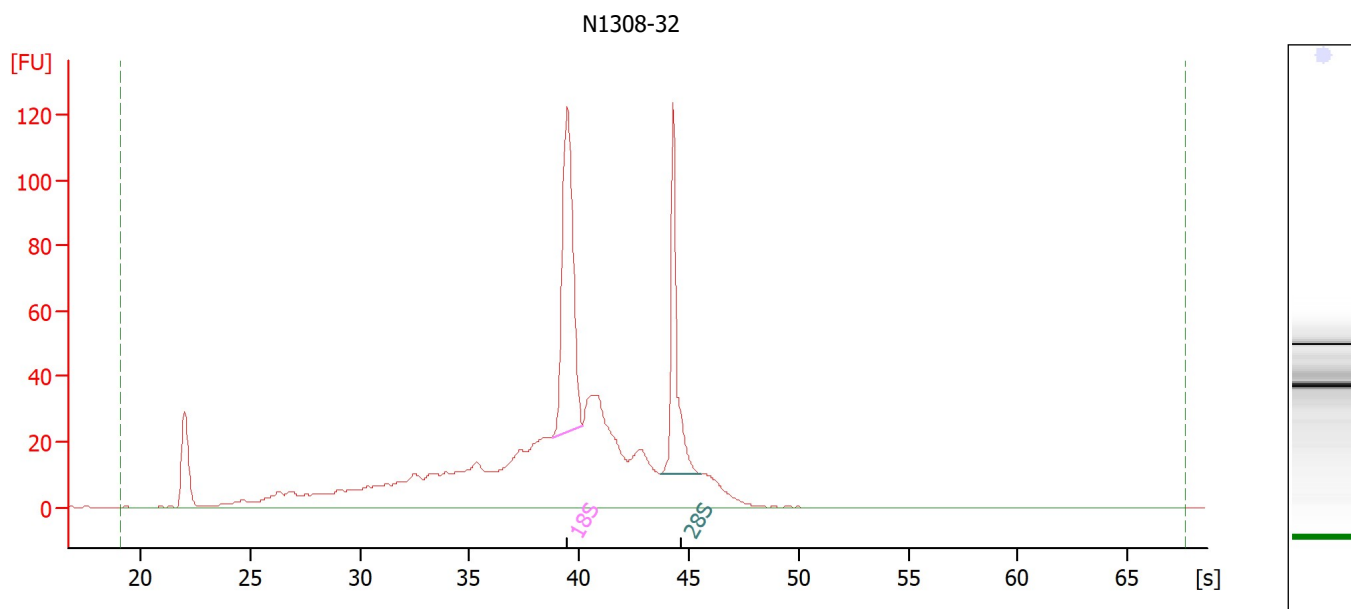
Fragment table for sample 6 : N1308-31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,361	1,568	190.6	17.6
28S	2,248	2,604	78.9	7.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : N1308-32

RNA Area:	923.4	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	4,530 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.70

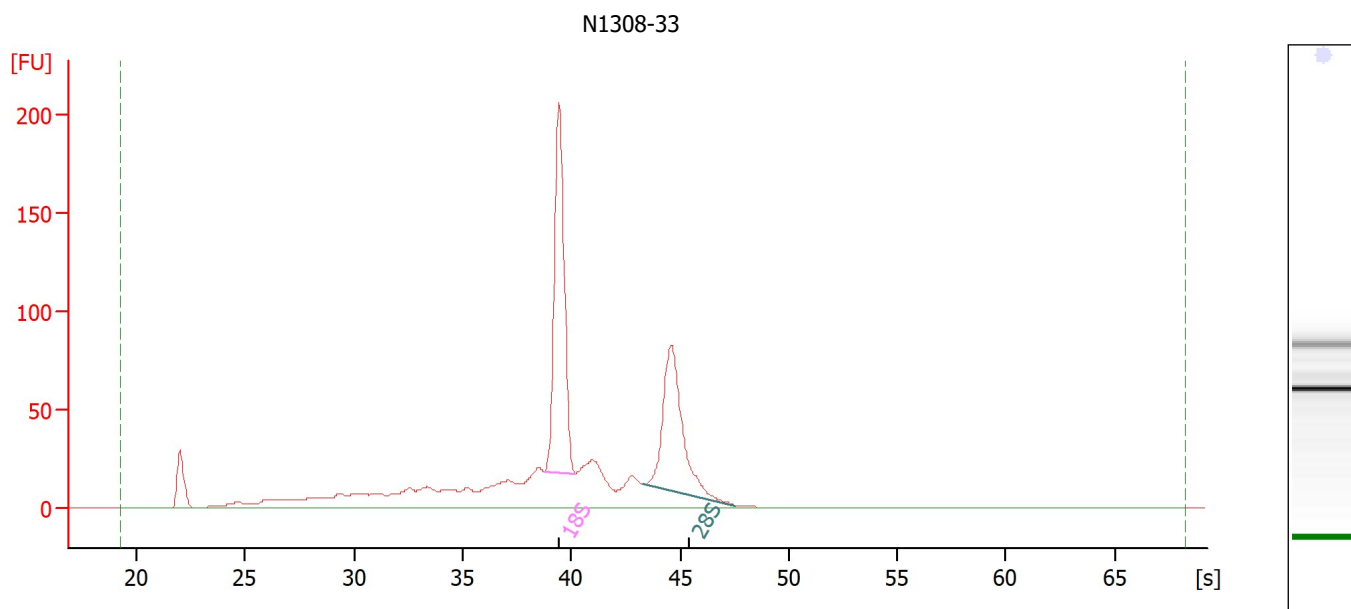
Fragment table for sample 7 : N1308-32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,316	1,540	140.2	15.2
28S	2,190	2,617	81.6	8.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N1308-33

RNA Area:	1,038.8	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,096 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

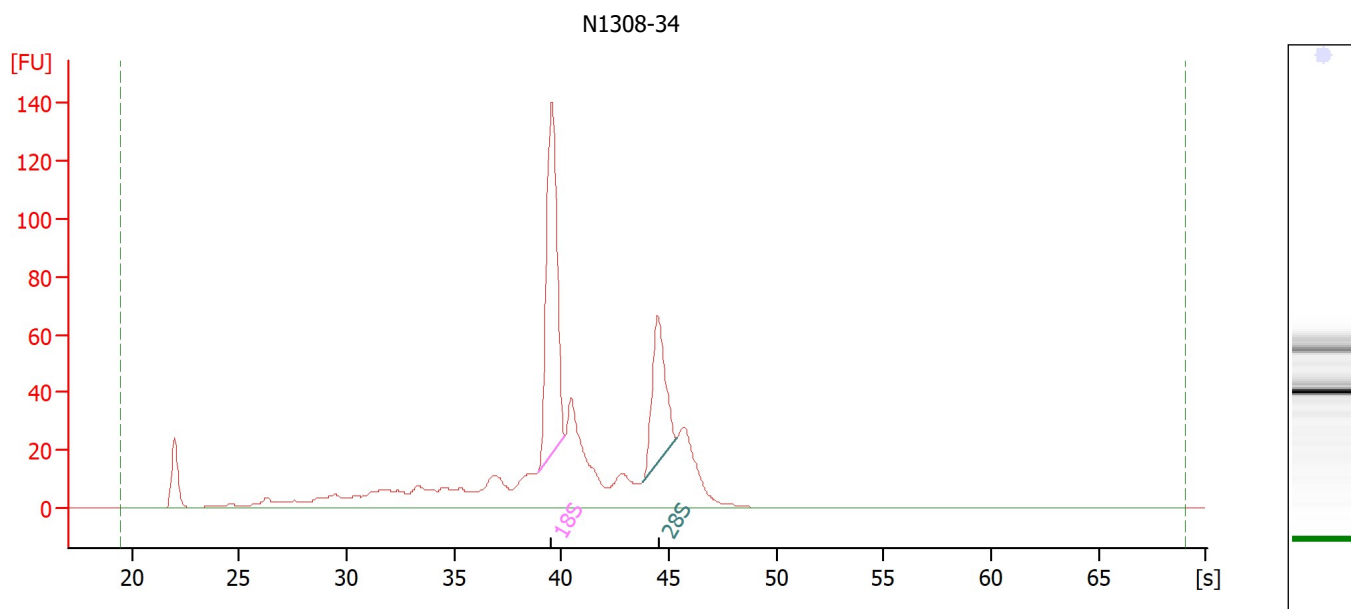
Fragment table for sample 8 : N1308-33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,316	1,550	254.4	24.5
28S	2,085	3,075	171.3	16.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : N1308-34

RNA Area:	790.7	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	3,879 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 7.40

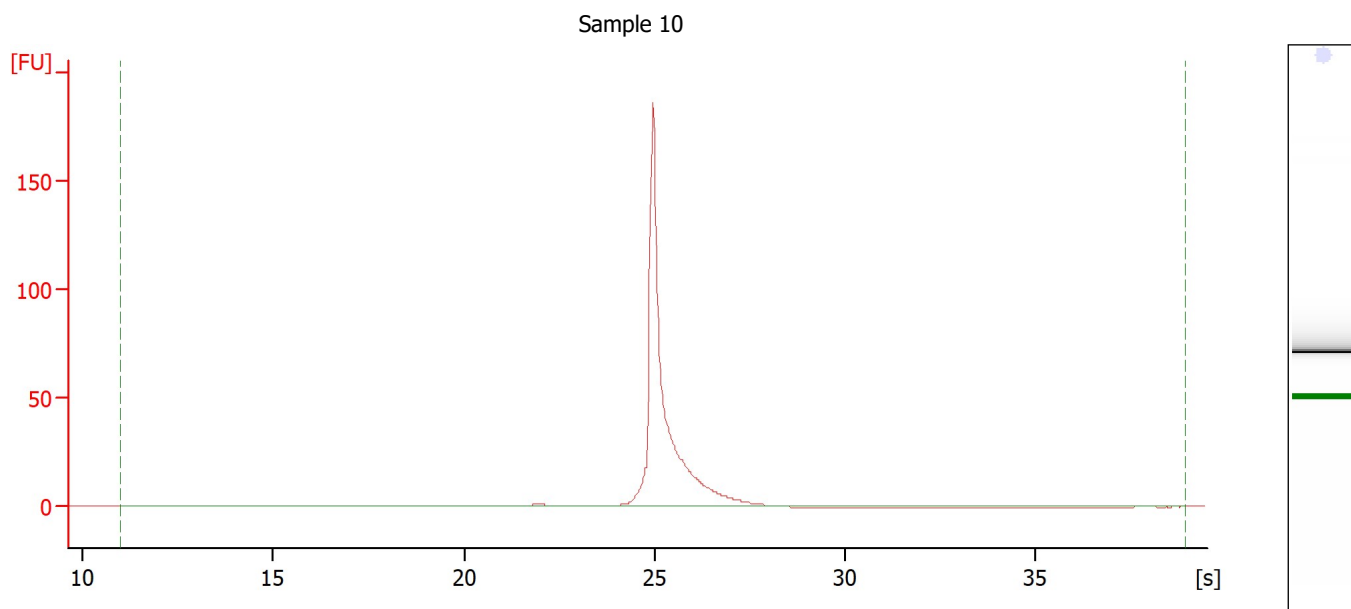
Fragment table for sample 9 : N1308-34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,339	1,543	173.7	22.0
28S	2,189	2,566	80.6	10.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



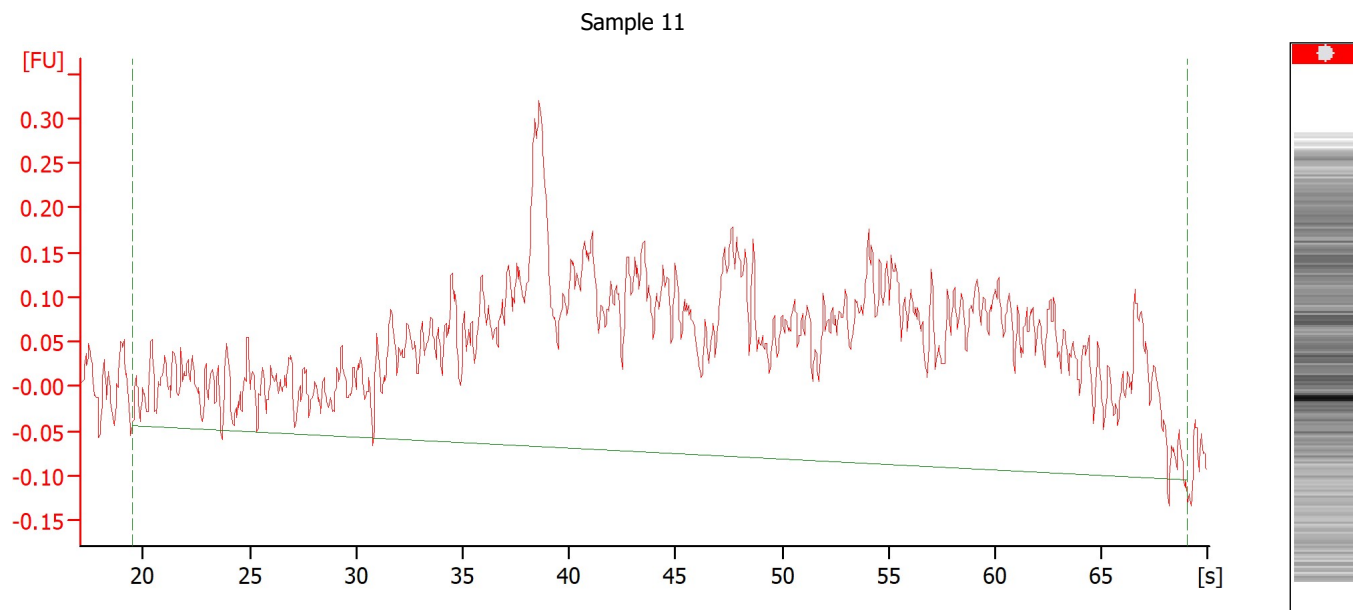
Overall Results for sample 10 : Sample 10

RNA Area:	318.4	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,562 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

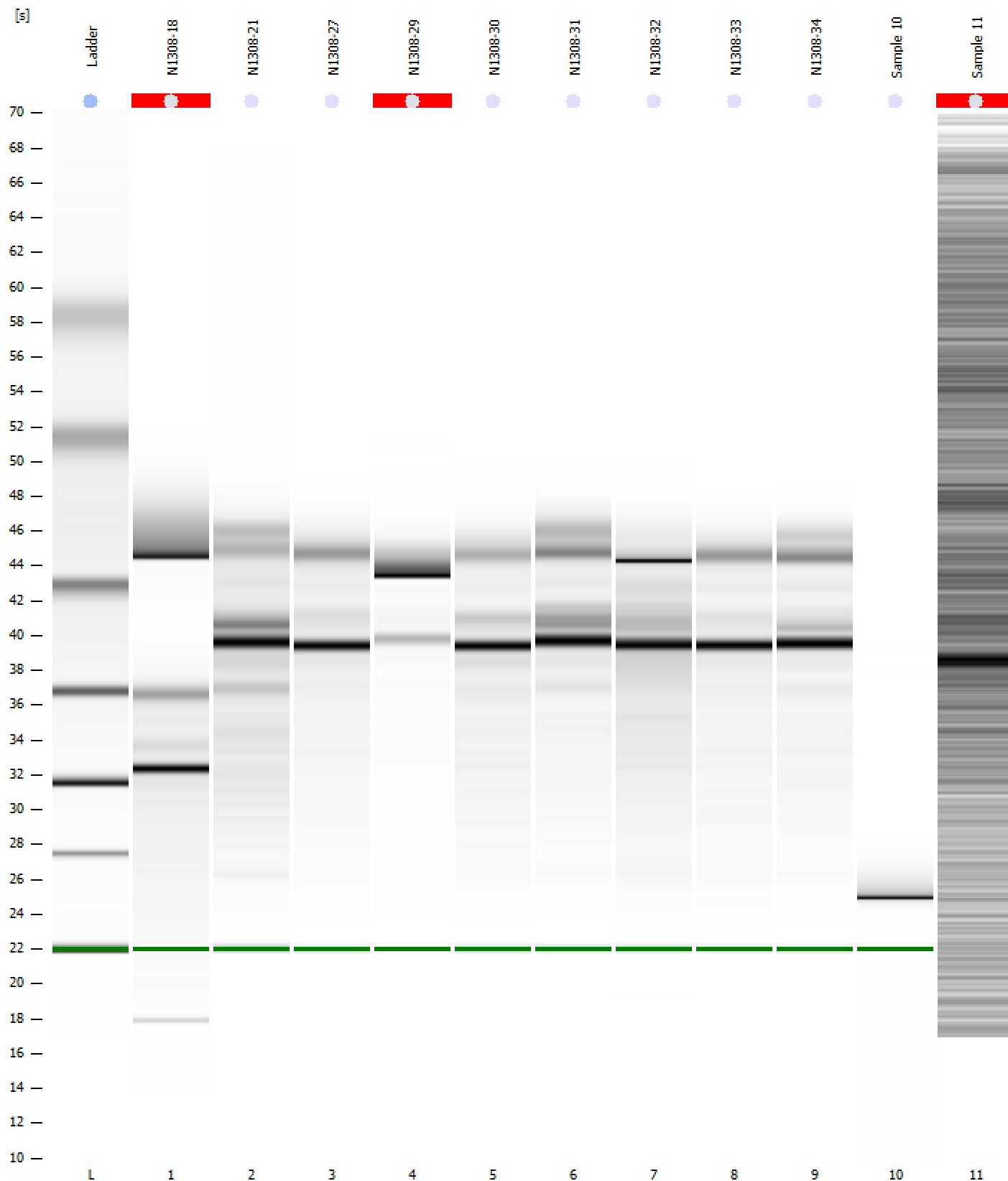
RNA Concentration: 72 pg/μl
rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
 Modified: 5/21/2025 12:06:07 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad

Created: 5/21/2025 10:25:13 AM
Modified: 5/21/2025 12:06:07 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		5/21/2025 10:48:09 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\2025-05-21\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-05-21_001.xad)		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/21/2025 10:25:20 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB