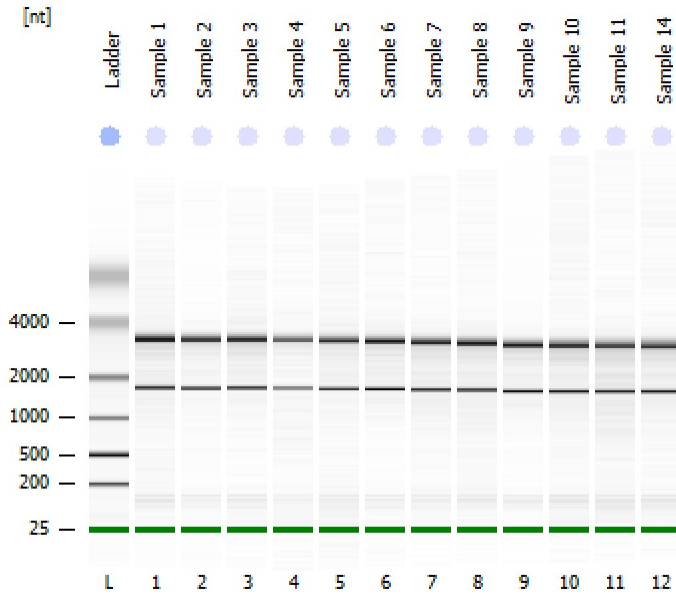


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
Modified: 9/9/2024 1:33:23 PM

Electrophoresis File Run Summary



Instrument Information:

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

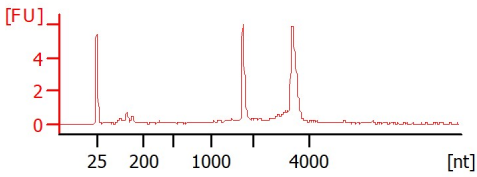
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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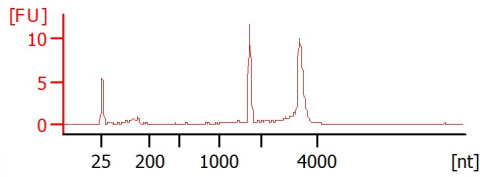
Chip Information:

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

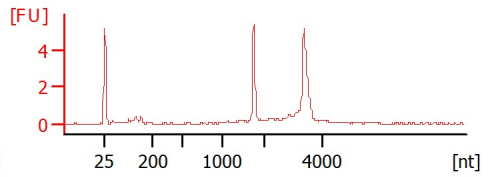
Sample 1
RIN:9



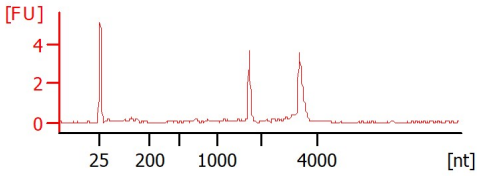
Sample 2
RIN: 9.50



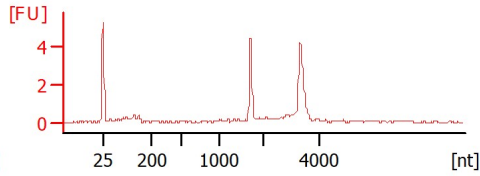
Sample 3
RIN: 9.50



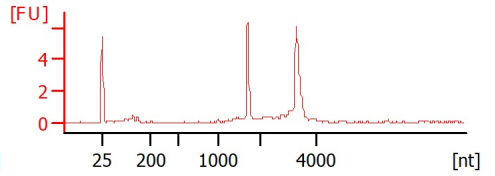
Sample 4
RIN:9



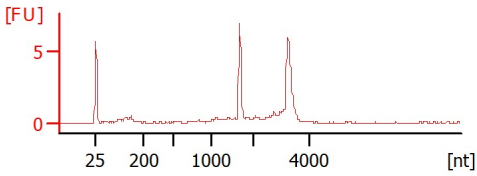
Sample 5
RIN: 9.50



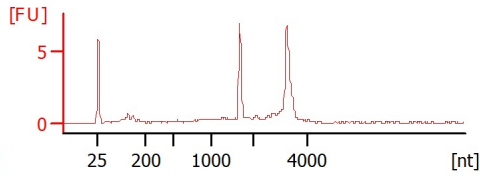
Sample 6
RIN: 9.40



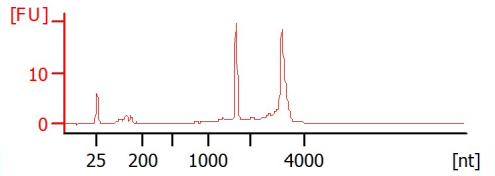
Sample 7
RIN: 8.80



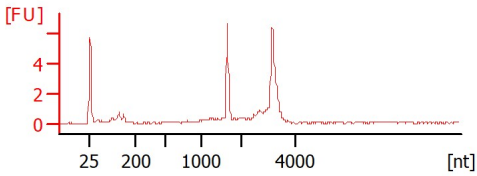
Sample 8
RIN: 8.70



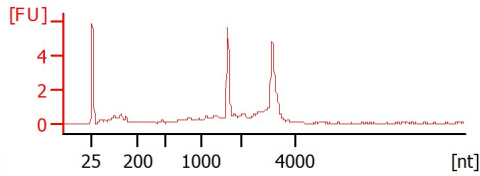
Sample 9
RIN: 9.10



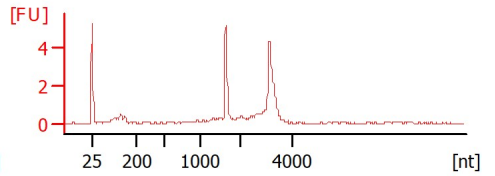
Sample 10
RIN: 8.90



Sample 11
RIN: 8.10



Sample 14
RIN: 8.80



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:9	
Sample 2		✓	RIN: 9.50	
Sample 3		✓	RIN: 9.50	
Sample 4		✓	RIN:9	
Sample 5		✓	RIN: 9.50	
Sample 6		✓	RIN: 9.40	
Sample 7		✓	RIN: 8.80	
Sample 8		✓	RIN: 8.70	
Sample 9		✓	RIN: 9.10	
Sample 10		✓	RIN: 8.90	
Sample 11		✓	RIN: 8.10	
Sample 14		✓	RIN: 8.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

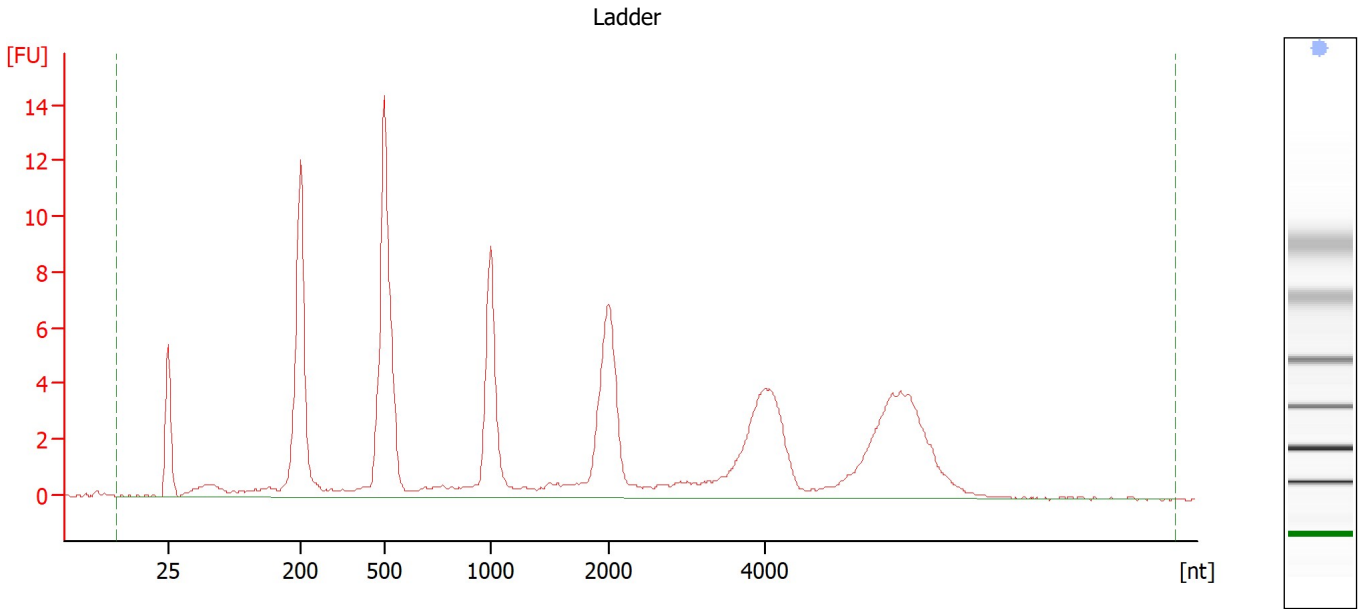
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary



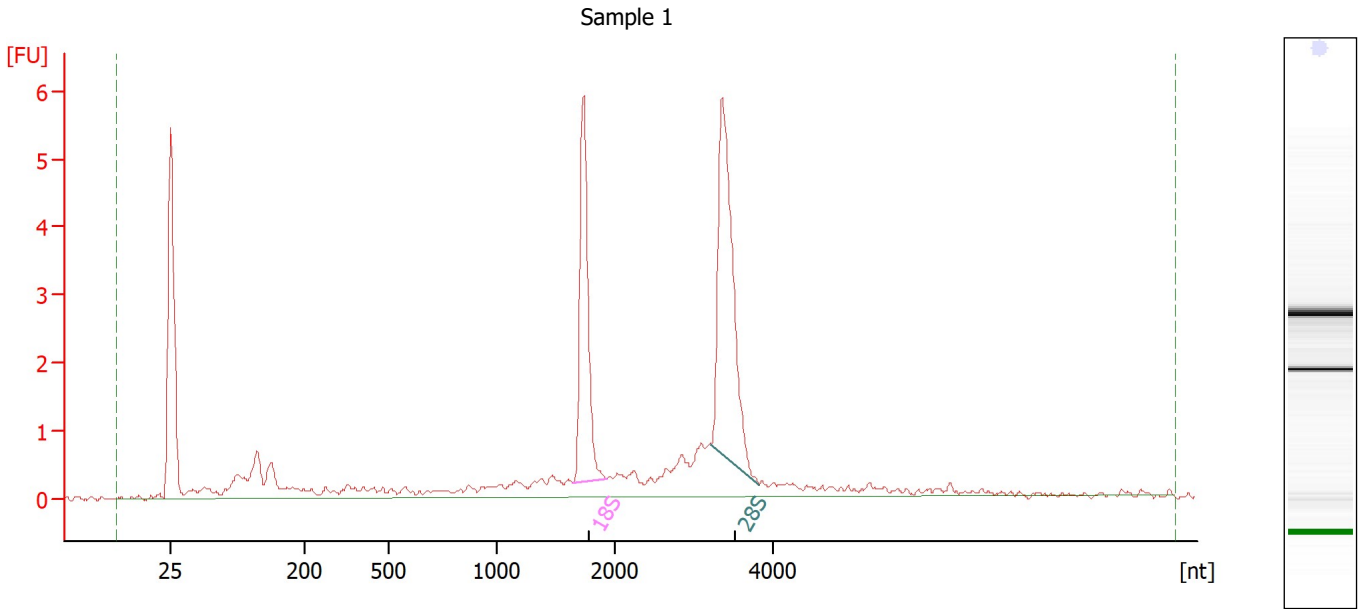
Overall Results for Ladder

RNA Area:	131.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	34.9	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

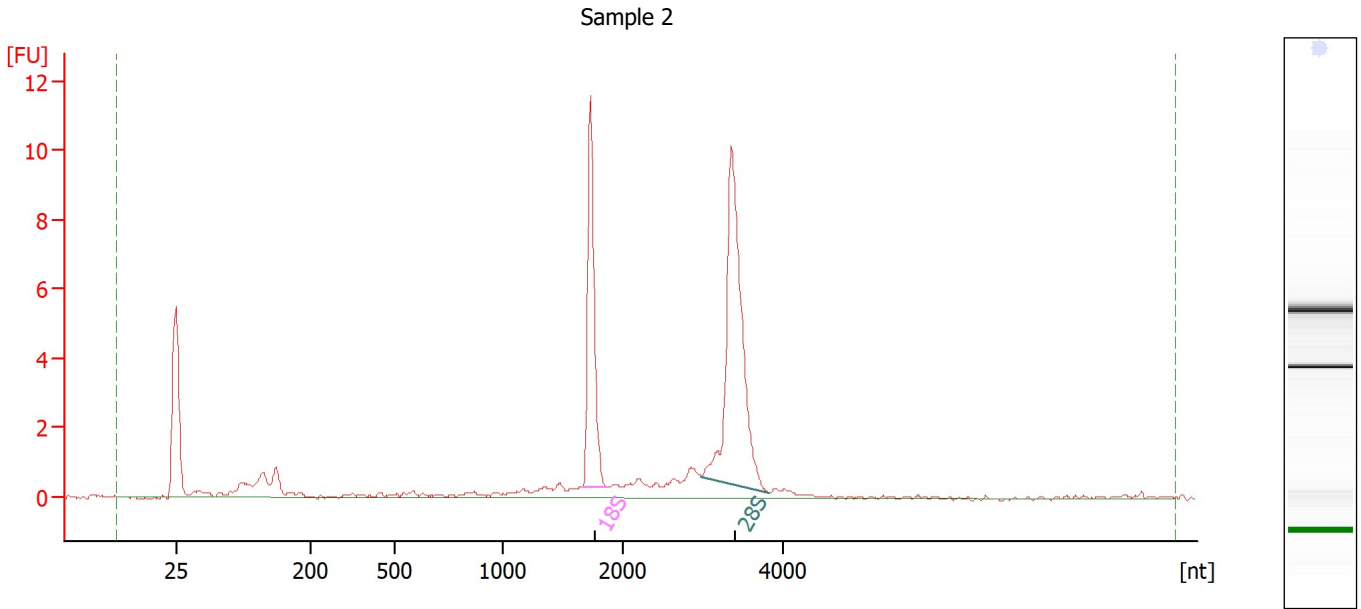
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,929	5.8	16.5
28S	3,218	3,826	8.7	24.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	43.8	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.50

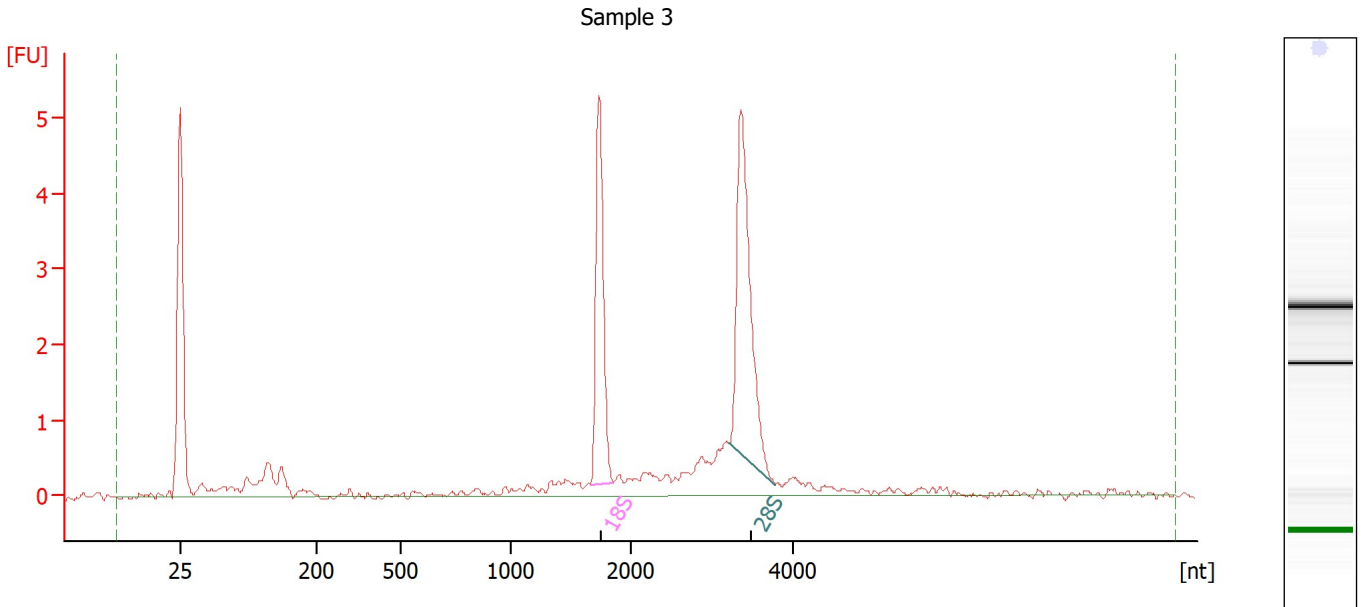
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,869	9.9	22.6
28S	2,983	3,826	16.7	38.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	24.4	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.50

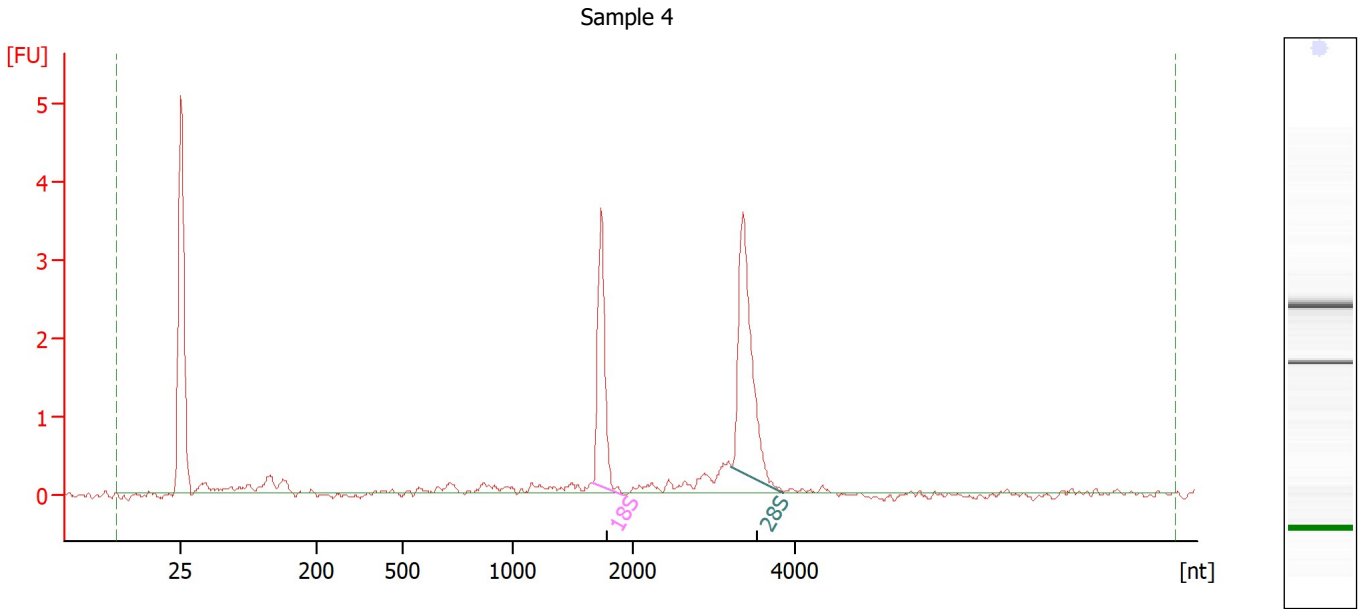
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	1,855	4.7	19.2
28S	3,216	3,787	6.6	27.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	13.3	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	15 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

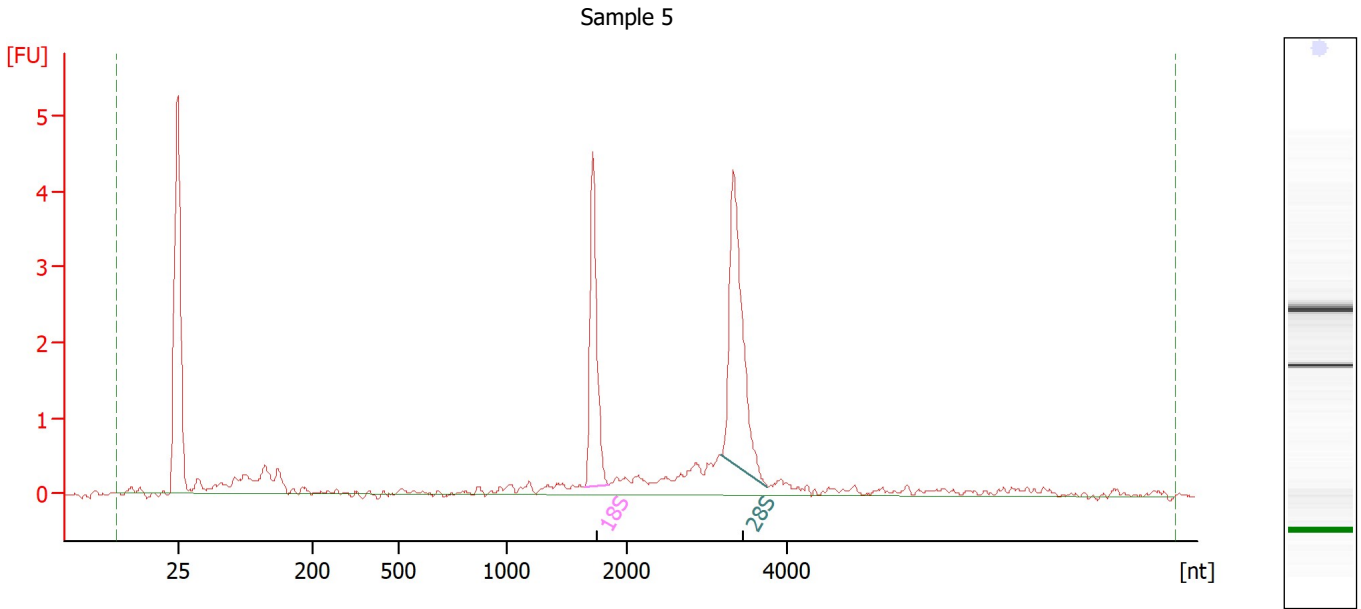
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	1,917	3.1	23.3
28S	3,214	3,863	4.6	34.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	21.8	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	25 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.50

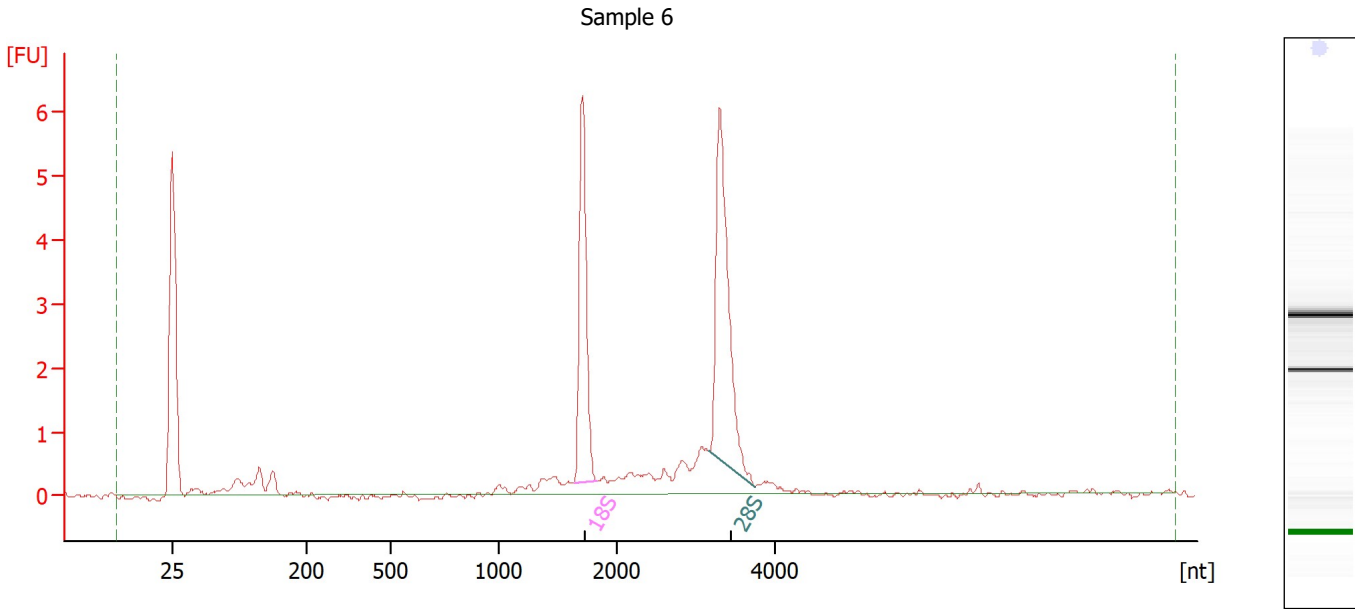
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,844	3.9	18.0
28S	3,166	3,753	5.7	26.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	23.3	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.40

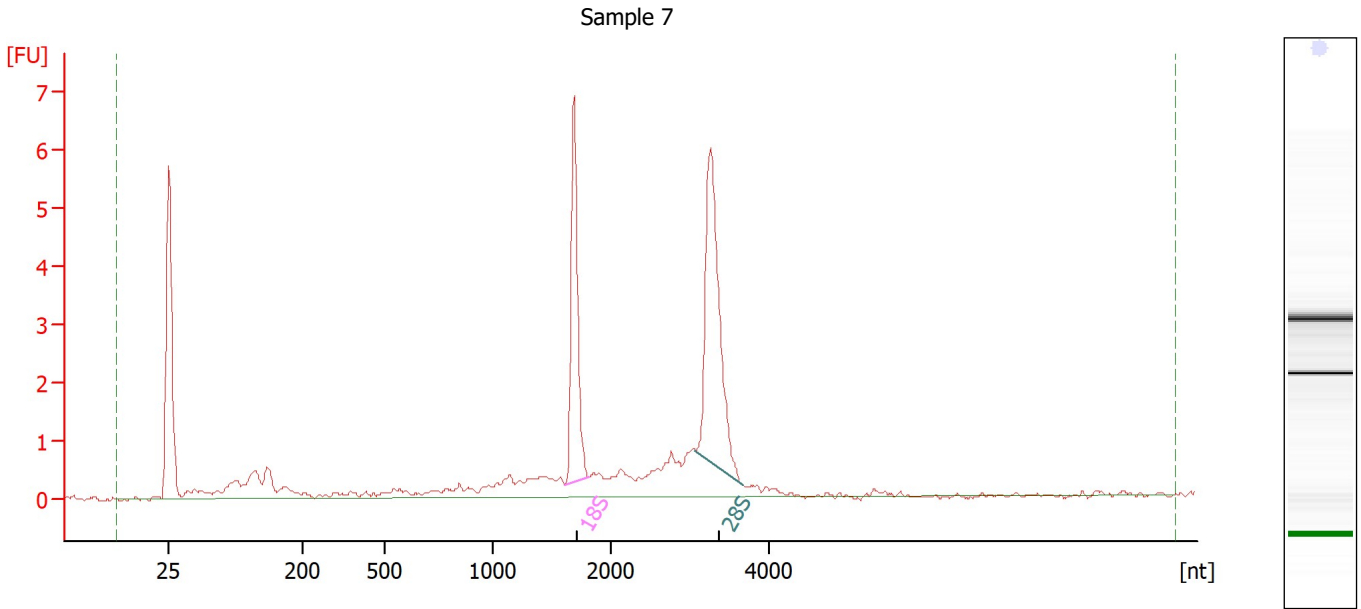
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,830	5.3	22.7
28S	3,162	3,742	7.7	33.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	32.3	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

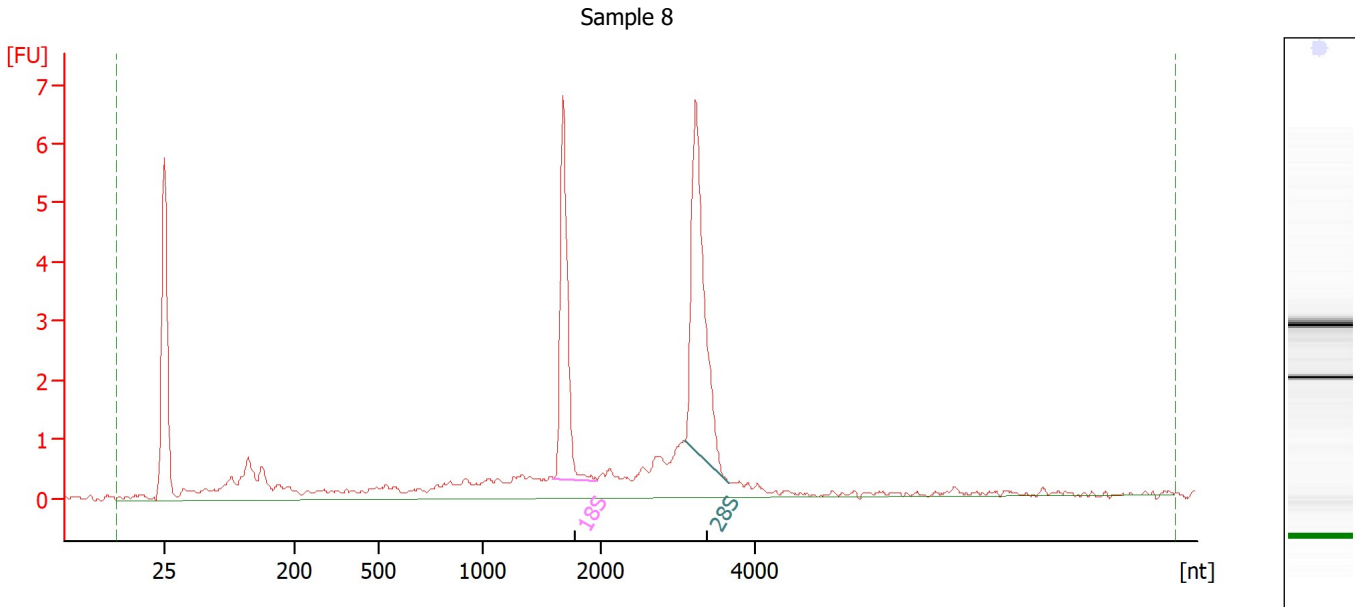
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	1,810	5.9	18.4
28S	3,073	3,670	8.4	26.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	39.0	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	45 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.70

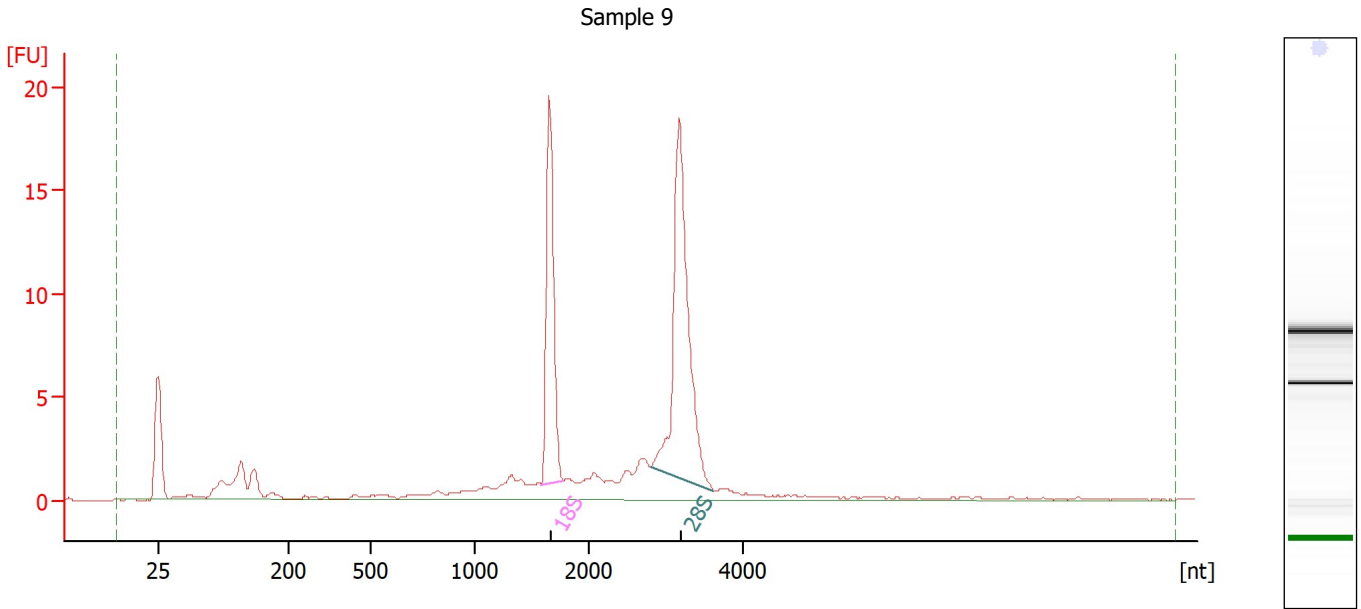
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,979	6.1	15.7
28S	3,081	3,644	8.7	22.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	92.3	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	106 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.10

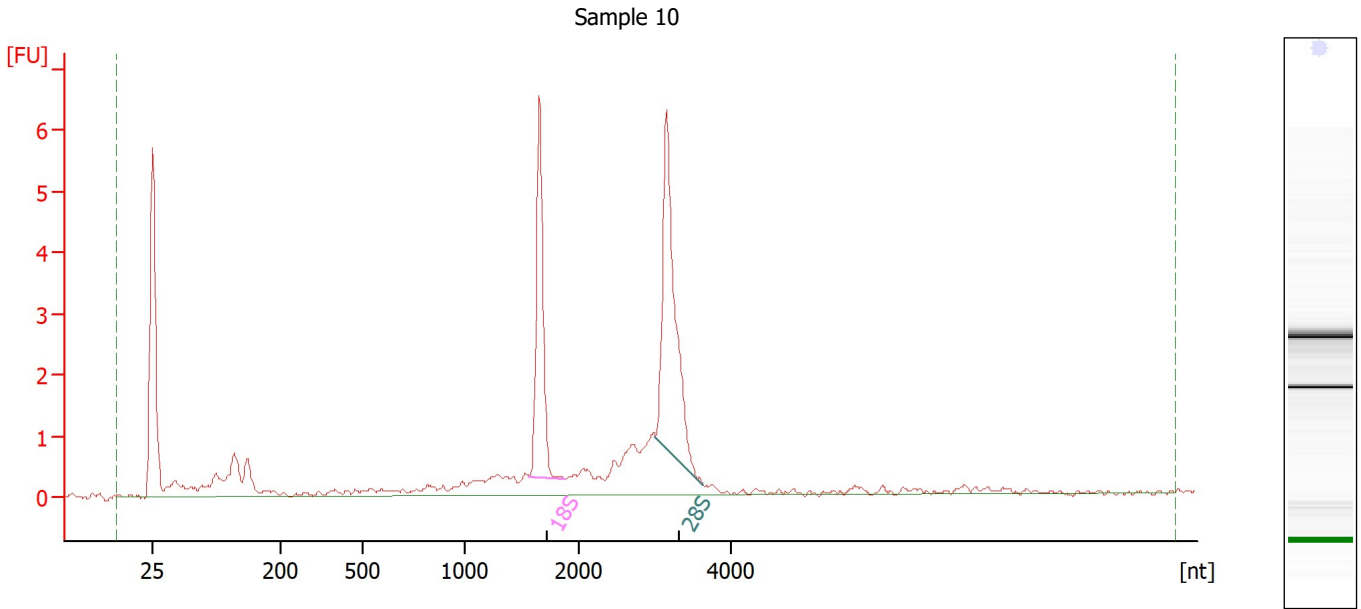
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,772	17.4	18.8
28S	2,784	3,603	29.3	31.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	34.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

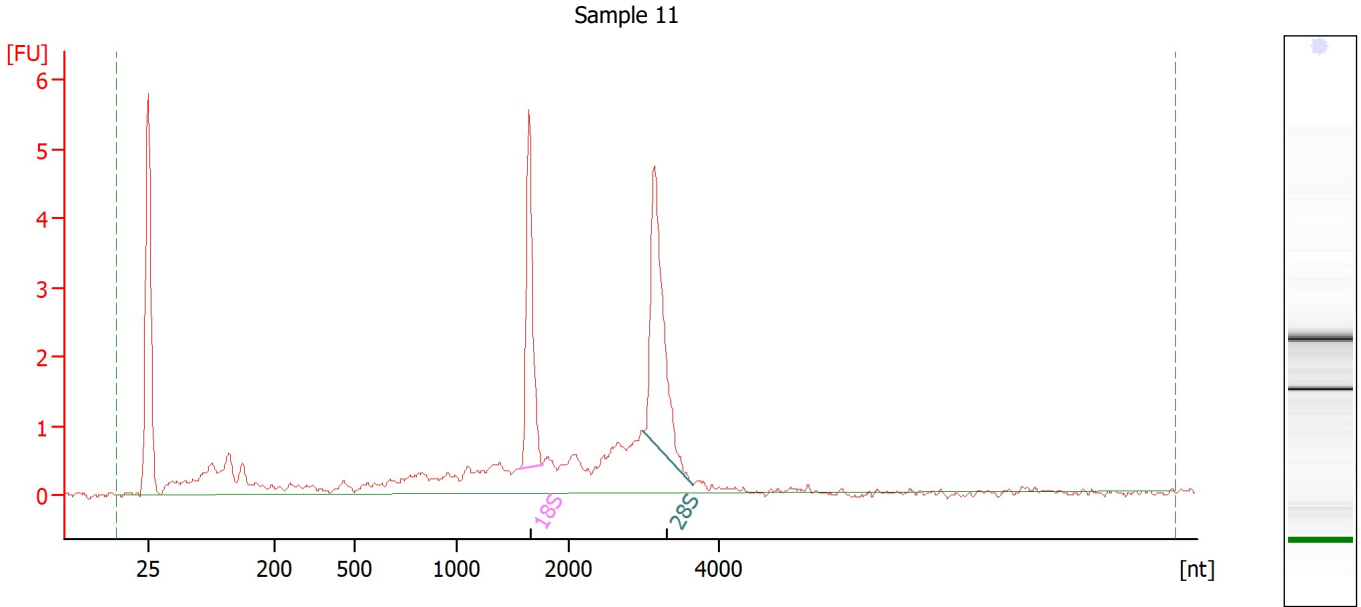
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,879	5.8	16.9
28S	3,000	3,632	8.0	23.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	33.6	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.10

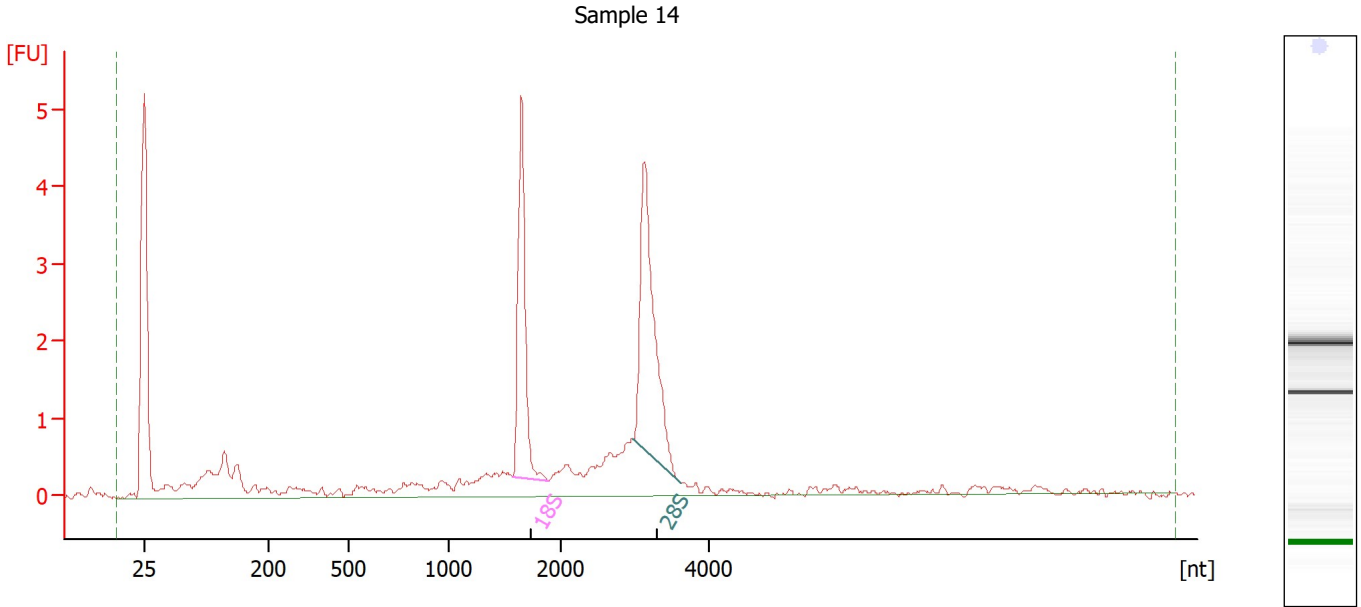
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,761	4.7	14.0
28S	2,993	3,647	6.2	18.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
 Modified: 9/9/2024 1:33:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 14

RNA Area:	29.5	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.80

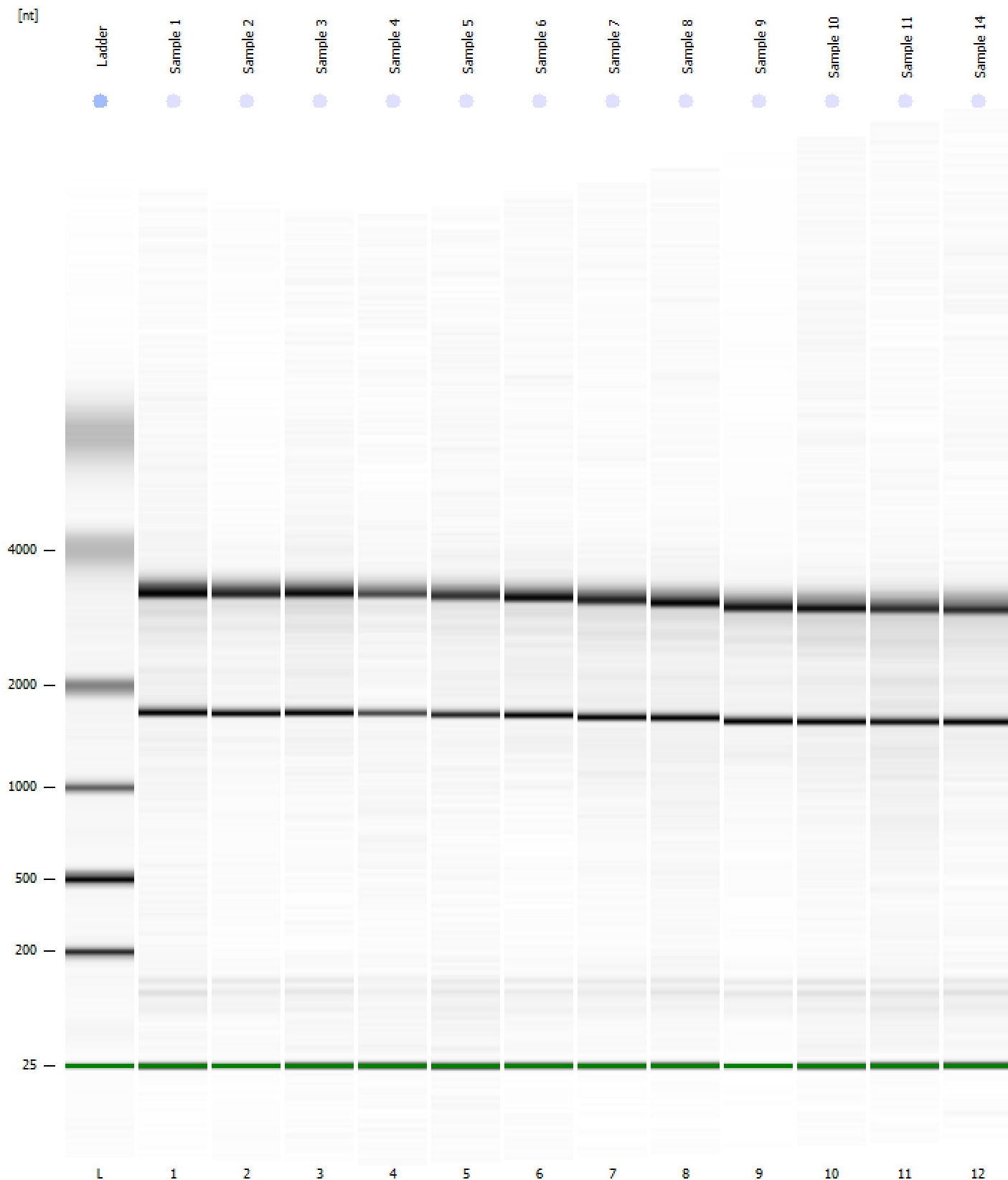
Fragment table for sample 12 : Sample 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,890	4.8	16.1
28S	2,971	3,603	6.2	21.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad

Created: 9/9/2024 1:09:26 PM
Modified: 9/9/2024 1:33:23 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 9/9/2024 1:09:26 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad Modified: 9/9/2024 1:33:23 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		9/9/2024 1:33:20 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\2024-09-09\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-09-09_001.xad)		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/9/2024 1:09:34 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB