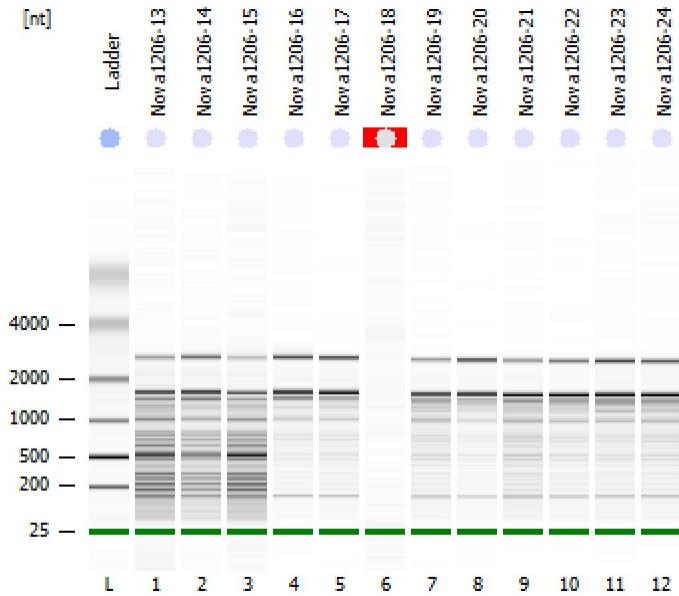


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
Modified: 11/14/2024 1:39:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

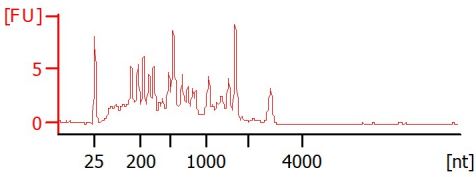
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

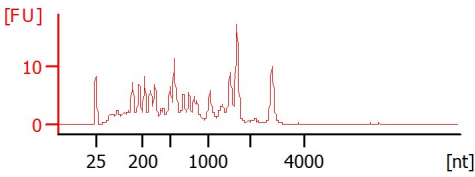
Chip Information:

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

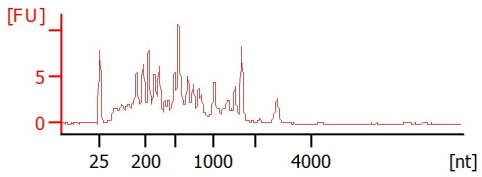
Nova1206-13
RIN: 5.20



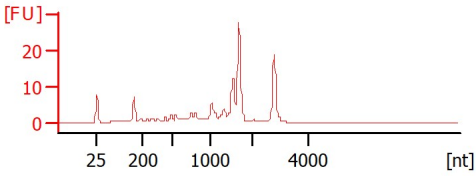
Nova1206-14
RIN: 5.40



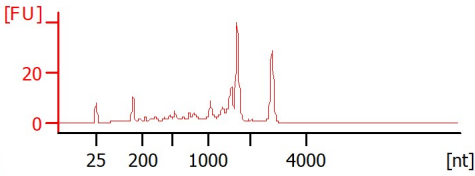
Nova1206-15
RIN: 4.50



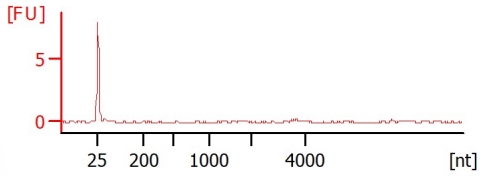
Nova1206-16
RIN: 6.50



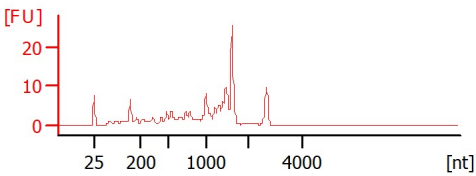
Nova1206-17
RIN: 6.30



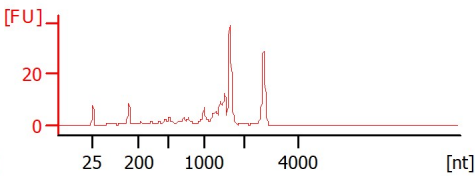
Nova1206-18
RIN N/A



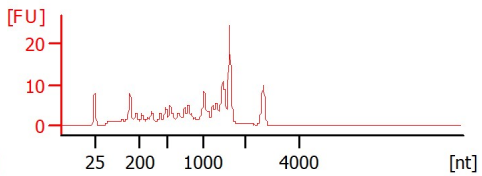
Nova1206-19
RIN: 5.70



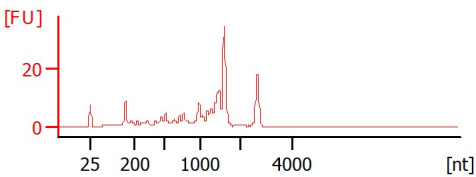
Nova1206-20
RIN: 6.40



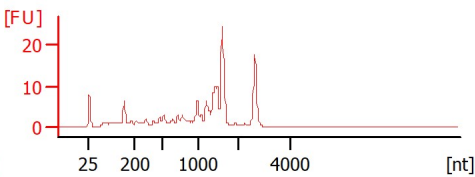
Nova1206-21
RIN: 5.60



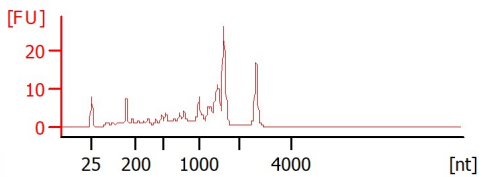
Nova1206-22
RIN: 6



Nova1206-23
RIN: 6.20



Nova1206-24
RIN: 6



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1206-13		✓	RIN: 5.20	
Nova1206-14		✓	RIN: 5.40	
Nova1206-15		✓	RIN: 4.50	
Nova1206-16		✓	RIN: 6.50	
Nova1206-17		✓	RIN: 6.30	
Nova1206-18		✓	RIN N/A	
Nova1206-19		✓	RIN: 5.70	
Nova1206-20		✓	RIN: 6.40	
Nova1206-21		✓	RIN: 5.60	
Nova1206-22		✓	RIN:6	
Nova1206-23		✓	RIN: 6.20	
Nova1206-24		✓	RIN:6	
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_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 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

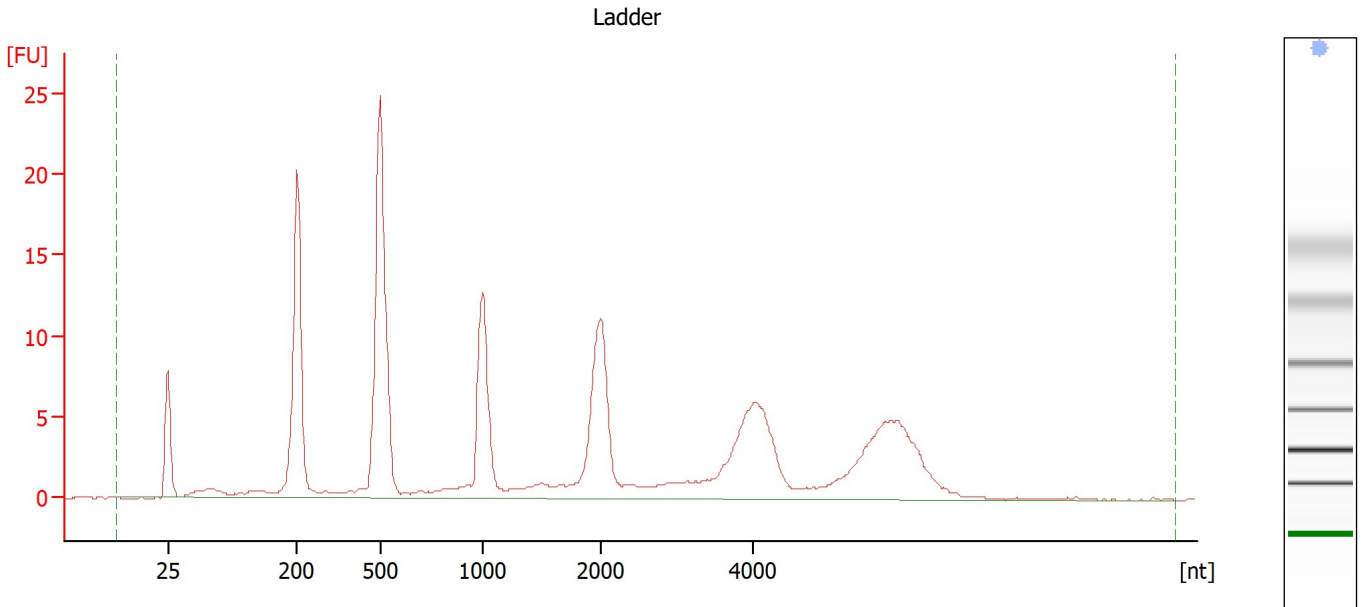
Ladder

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_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary



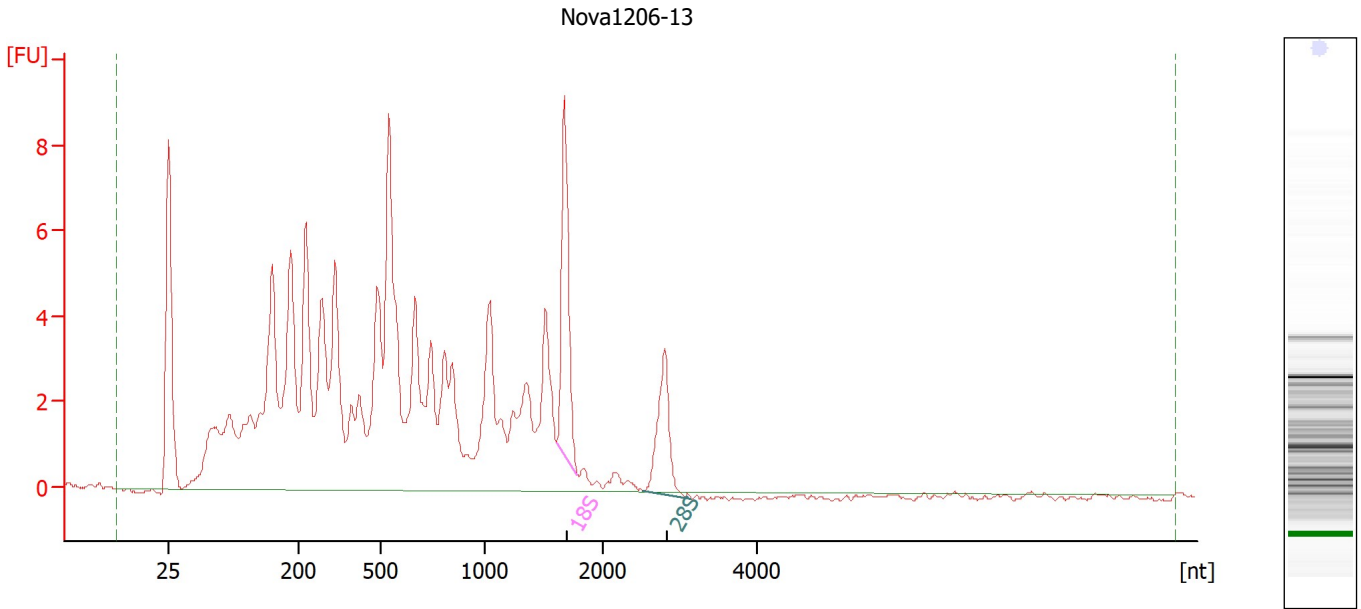
Overall Results for Ladder

RNA Area:	200.0	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_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova1206-13

RNA Area:	147.4	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.20

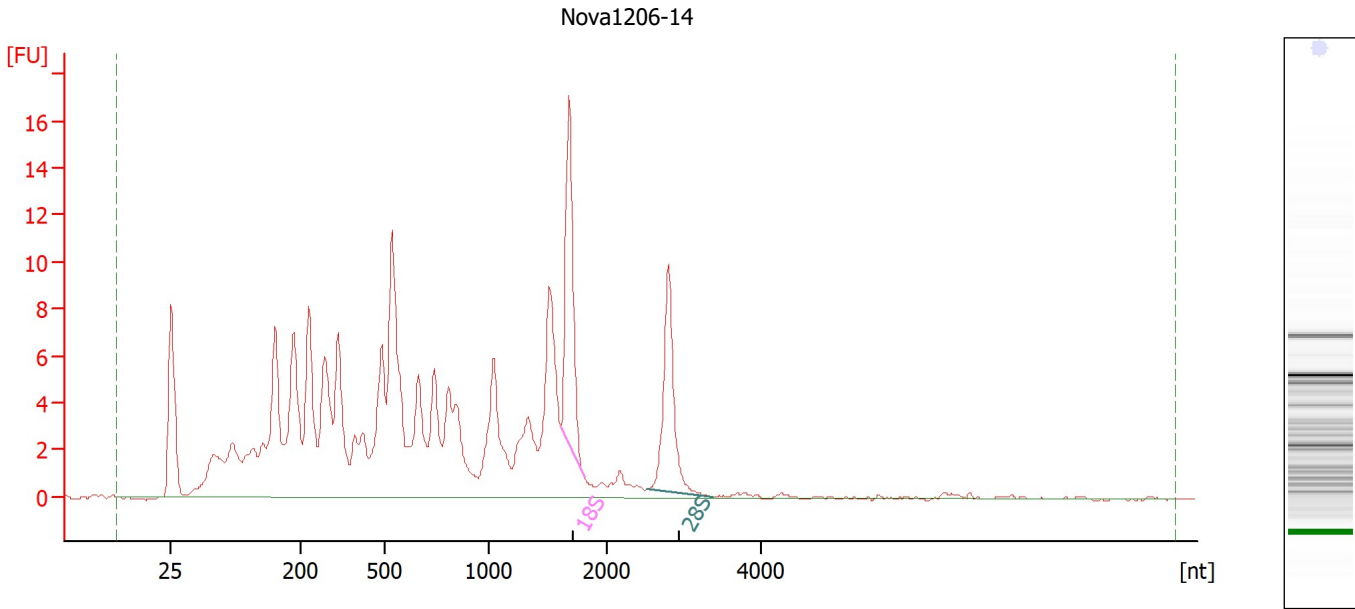
Fragment table for sample 1 : Nova1206-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,782	7.4	5.0
28S	2,531	3,159	4.6	3.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1206-14

RNA Area:	214.6	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	161 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.40

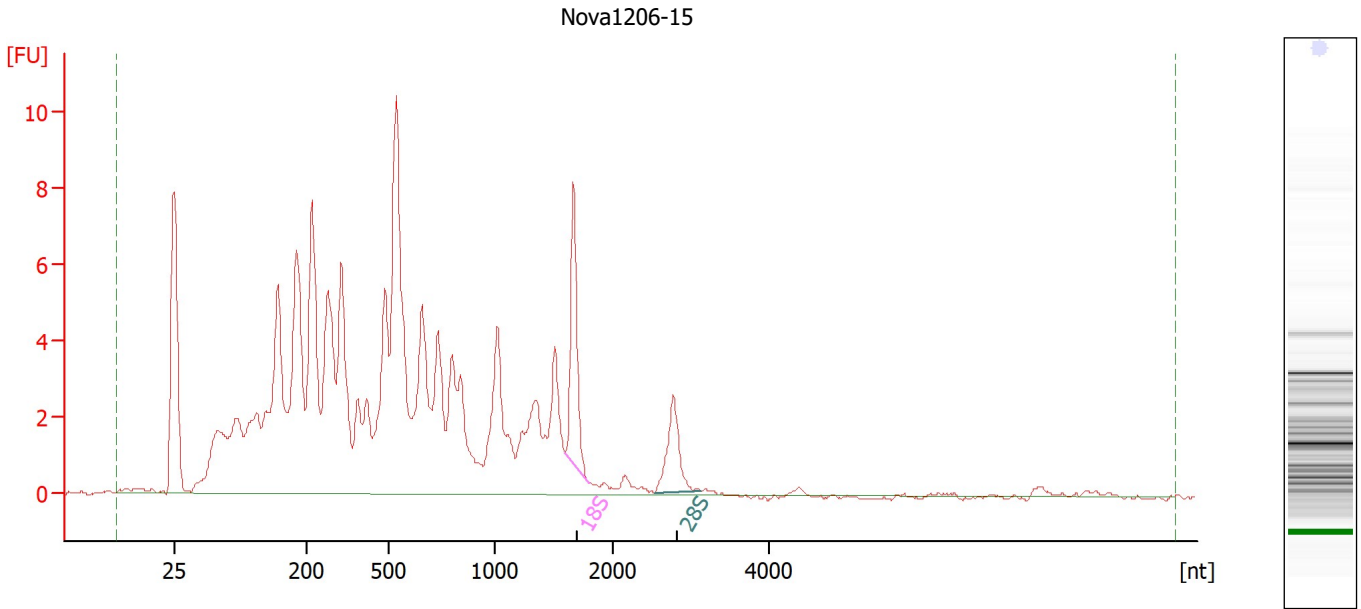
Fragment table for sample 2 : Nova1206-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,803	14.2	6.6
28S	2,517	3,378	12.1	5.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1206-15

RNA Area:	164.9	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.50

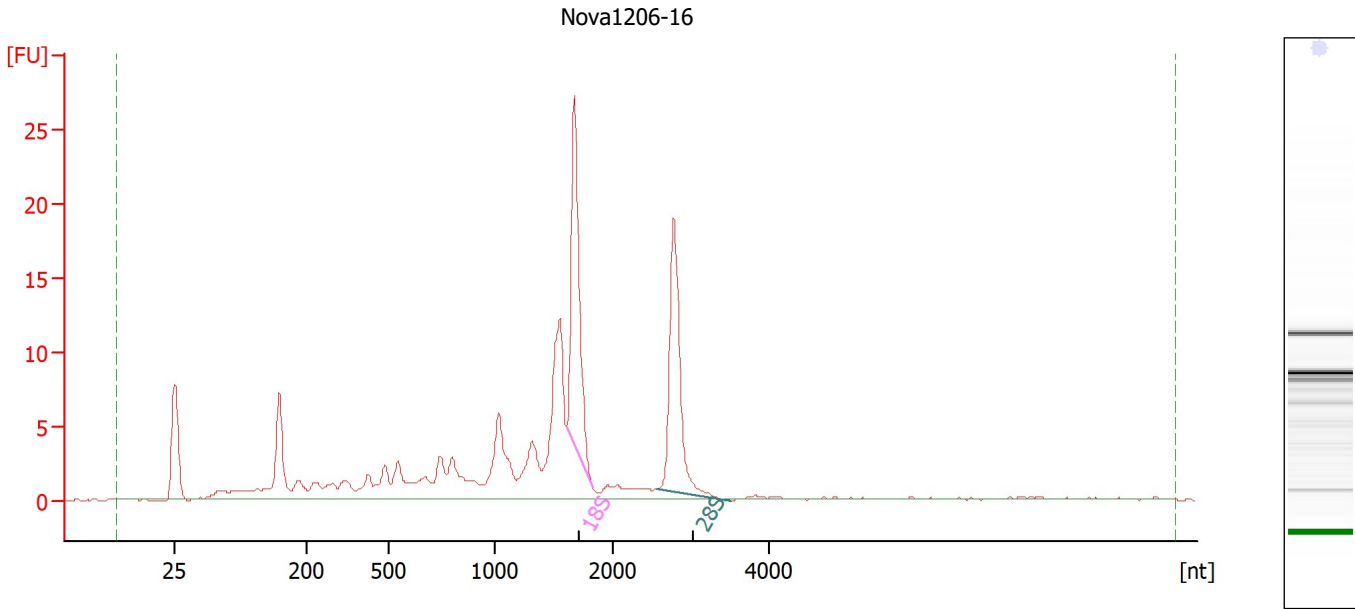
Fragment table for sample 3 : Nova1206-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,788	6.4	3.9
28S	2,530	3,137	3.5	2.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1206-16

RNA Area:	151.8	RNA Integrity Number (RIN):	6.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	114 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.50

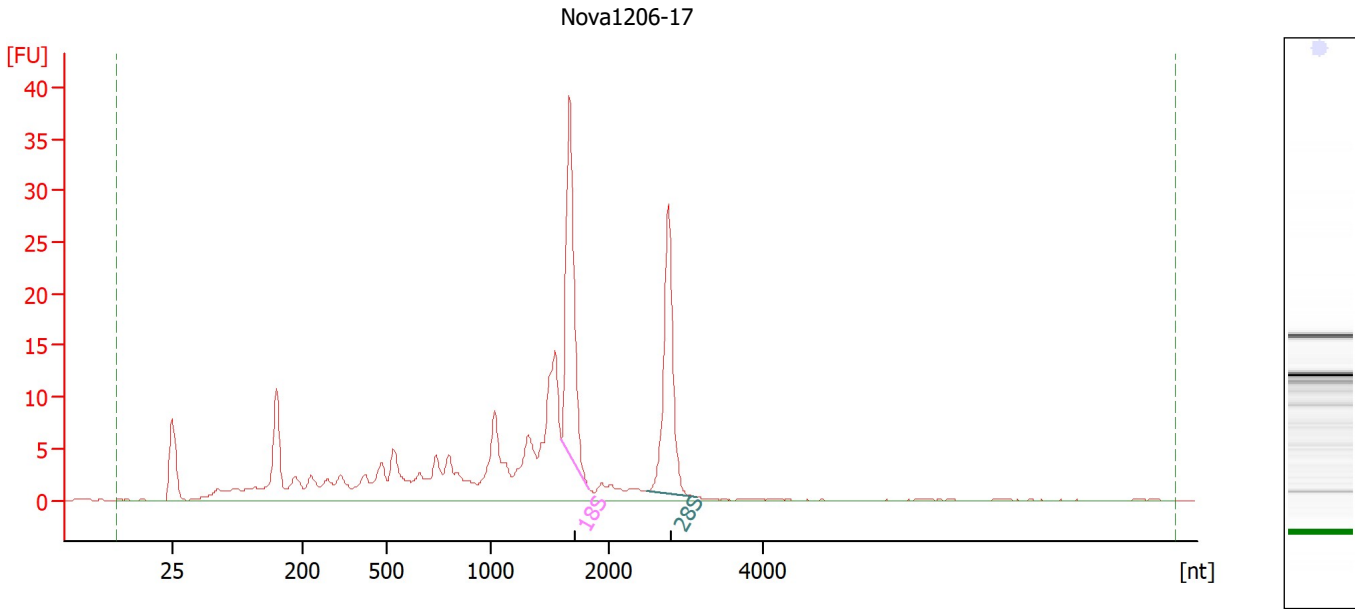
Fragment table for sample 4 : Nova1206-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,824	25.4	16.7
28S	2,571	3,510	22.4	14.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1206-17

RNA Area:	233.8	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	175 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.30

Fragment table for sample 5 : Nova1206-17

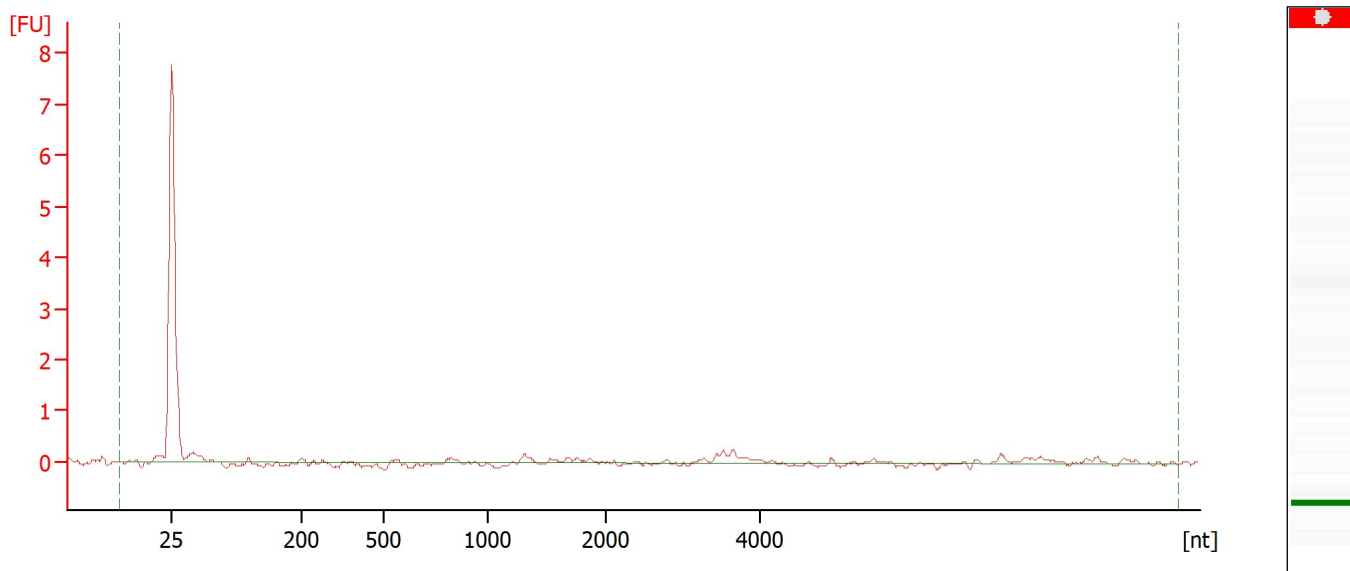
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	1,831	35.7	15.3
28S	2,489	3,126	31.5	13.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...

Nova1206-18



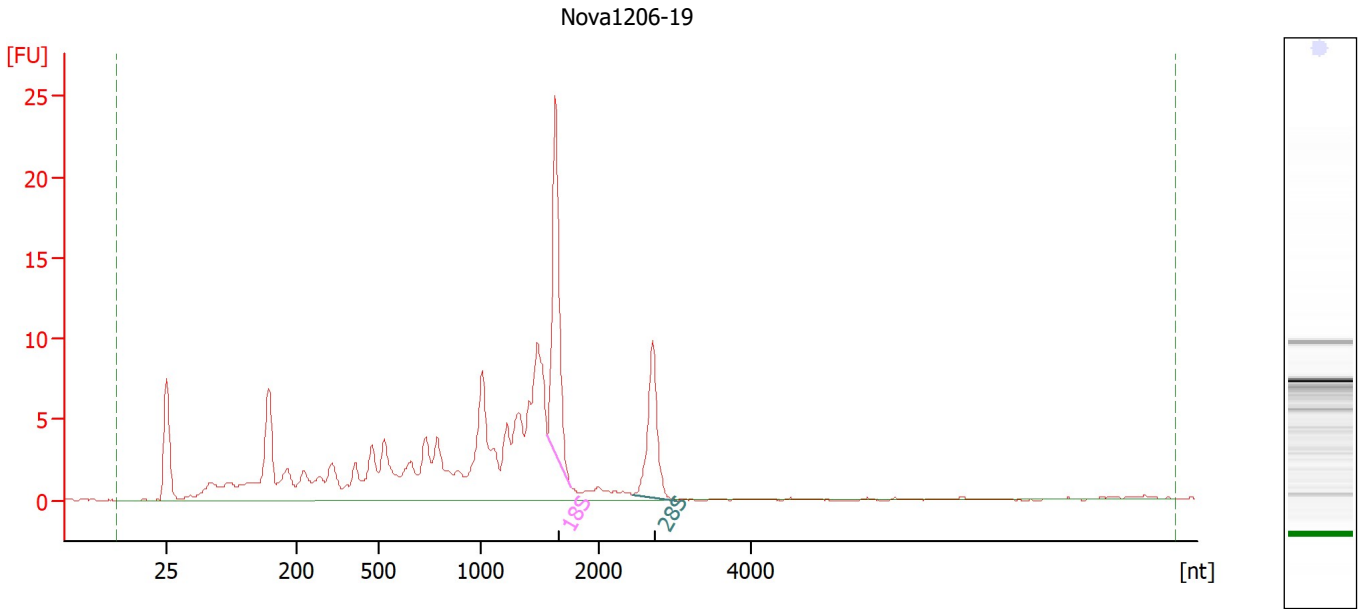
Overall Results for sample 6 : Nova1206-18

RNA Area:	3.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1206-19

RNA Area:	165.3	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.70

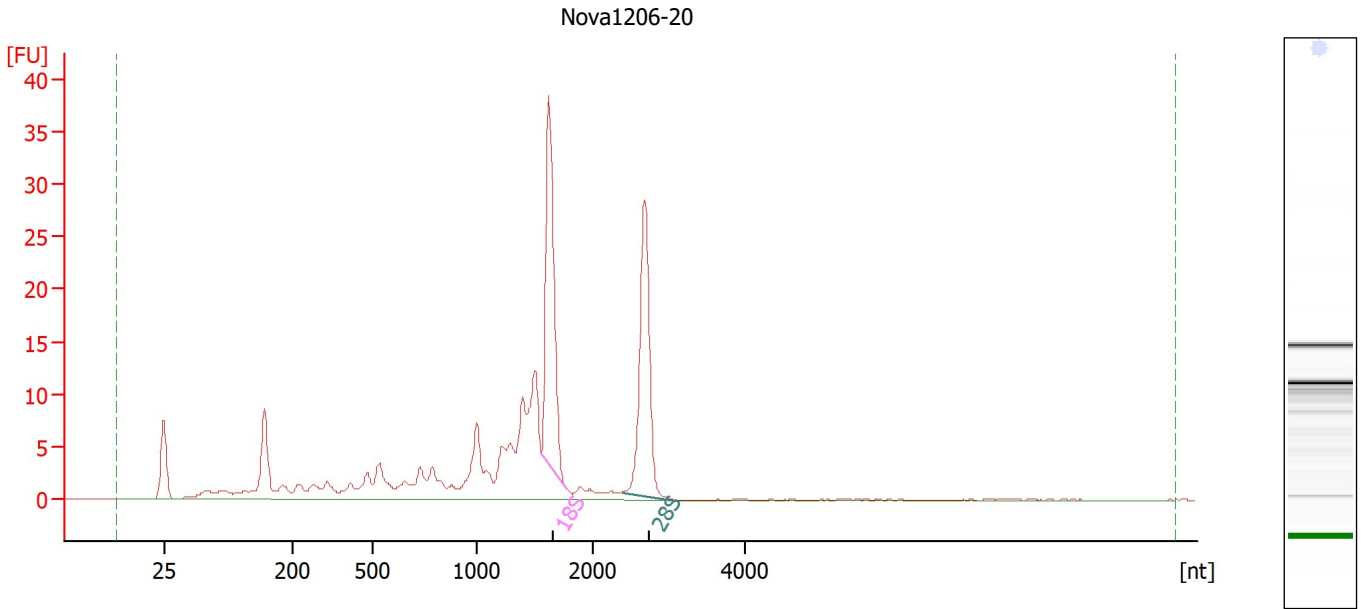
Fragment table for sample 7 : Nova1206-19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,753	20.5	12.4
28S	2,433	3,022	11.2	6.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1206-20

RNA Area:	192.5	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	144 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.40

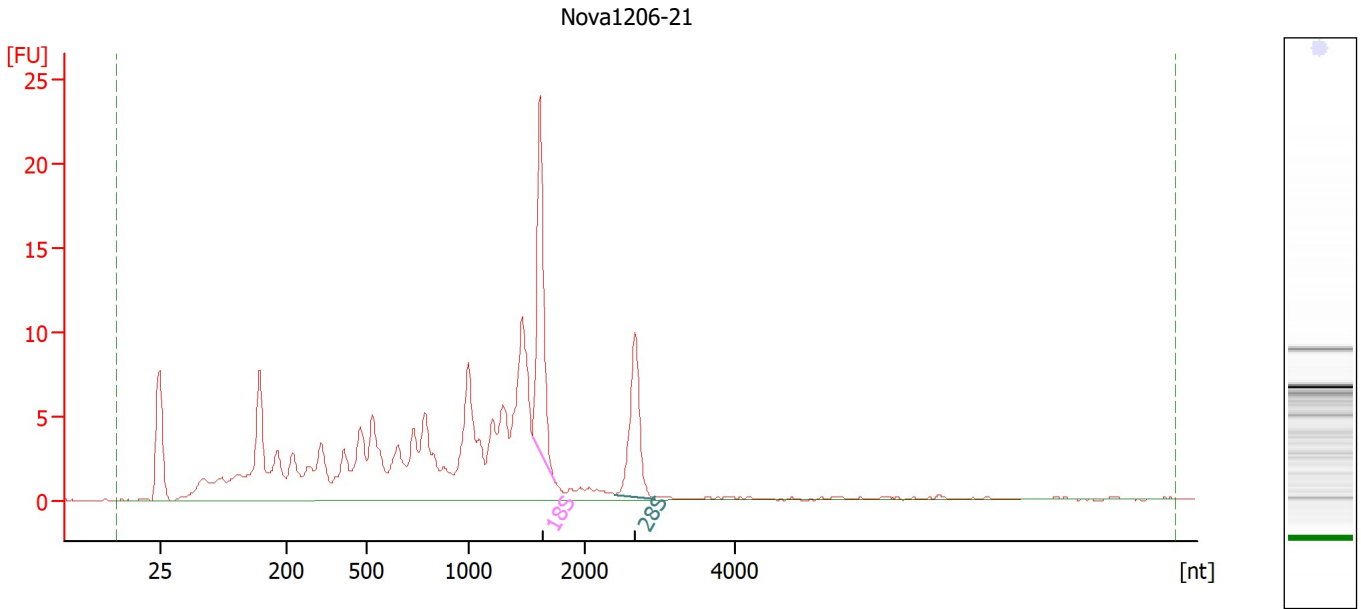
Fragment table for sample 8 : Nova1206-20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,777	37.1	19.3
28S	2,405	3,082	32.4	16.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova1206-21

RNA Area:	188.1	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	141 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.60

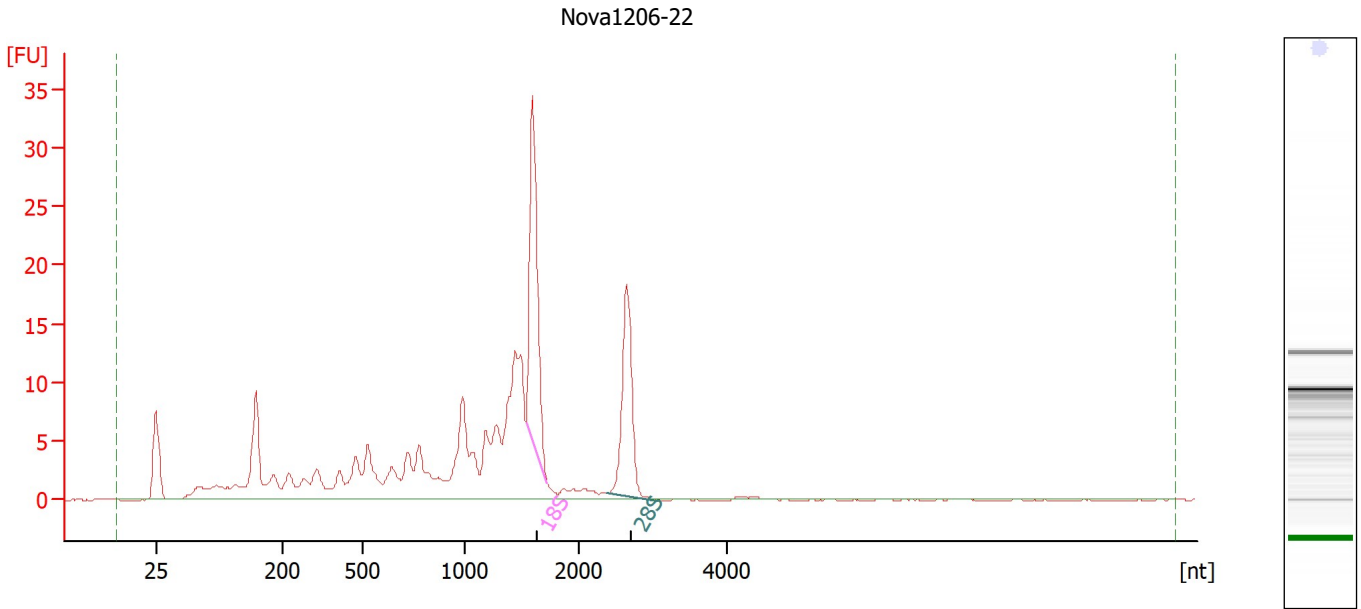
Fragment table for sample 9 : Nova1206-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,735	19.7	10.5
28S	2,404	2,931	11.8	6.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova1206-22

RNA Area:	210.1	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	158 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN:6

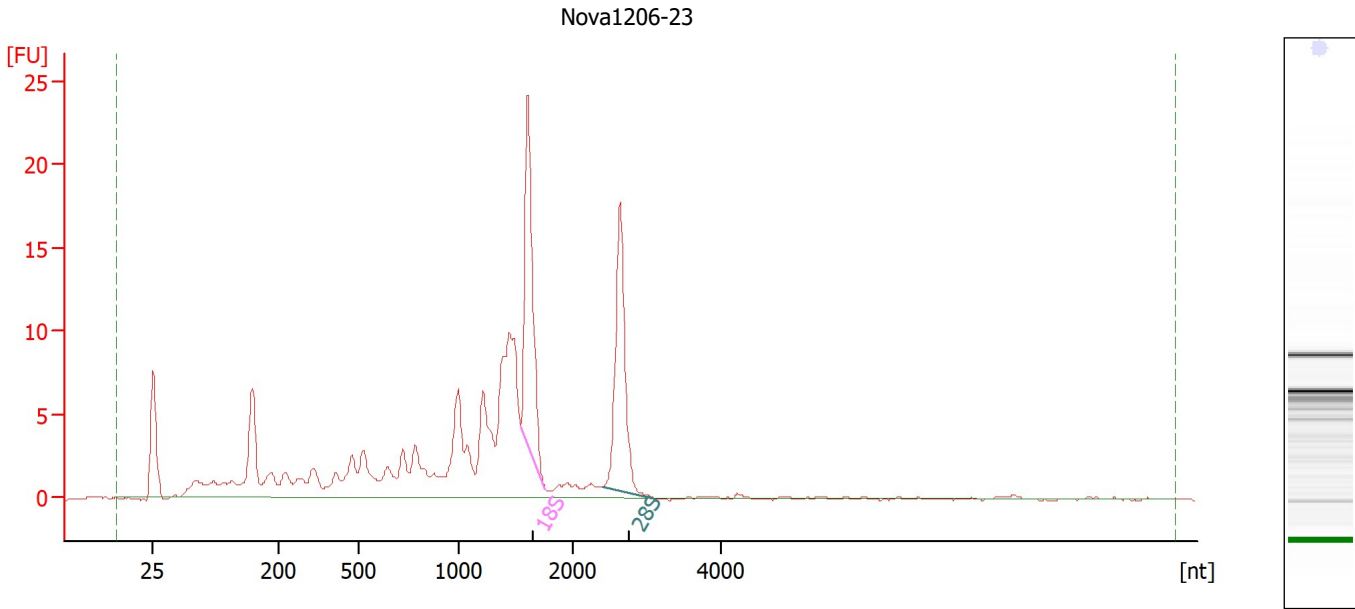
Fragment table for sample 10 : Nova1206-22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	1,731	29.8	14.2
28S	2,375	3,049	21.5	10.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova1206-23

RNA Area:	164.1	RNA Integrity Number (RIN):	6.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	123 ng/μl		
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.20

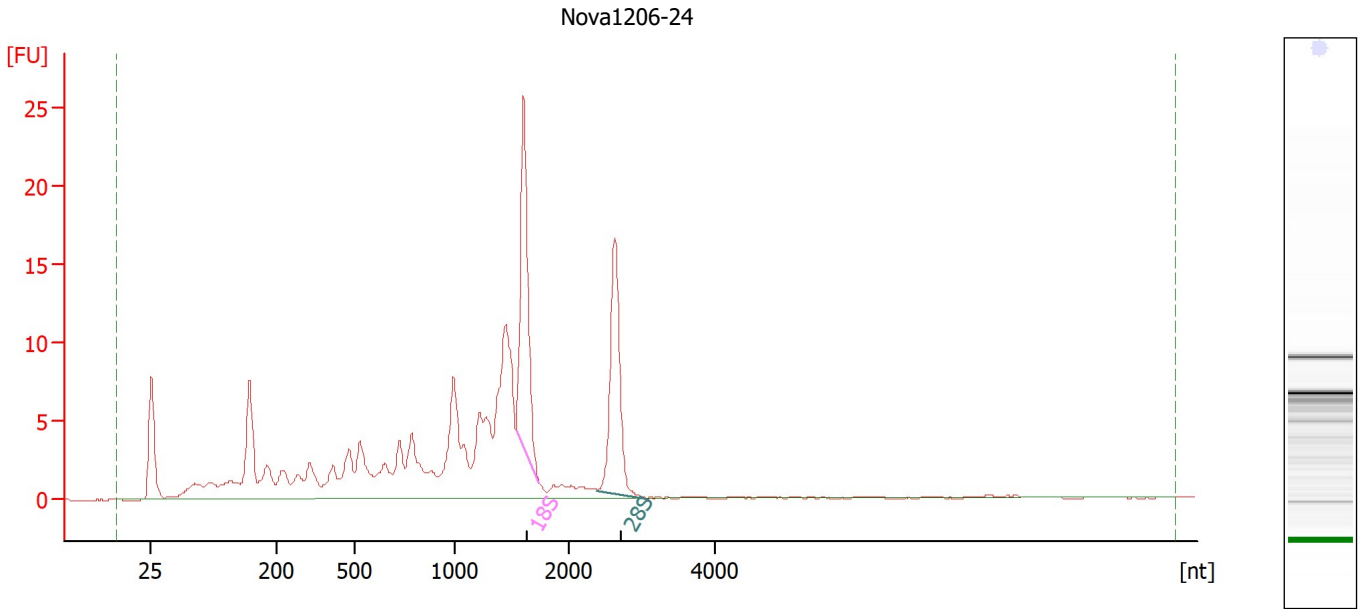
Fragment table for sample 11 : Nova1206-23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,764	23.2	14.1
28S	2,418	3,126	20.5	12.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Nova1206-24

RNA Area:	176.0	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	132 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN:6

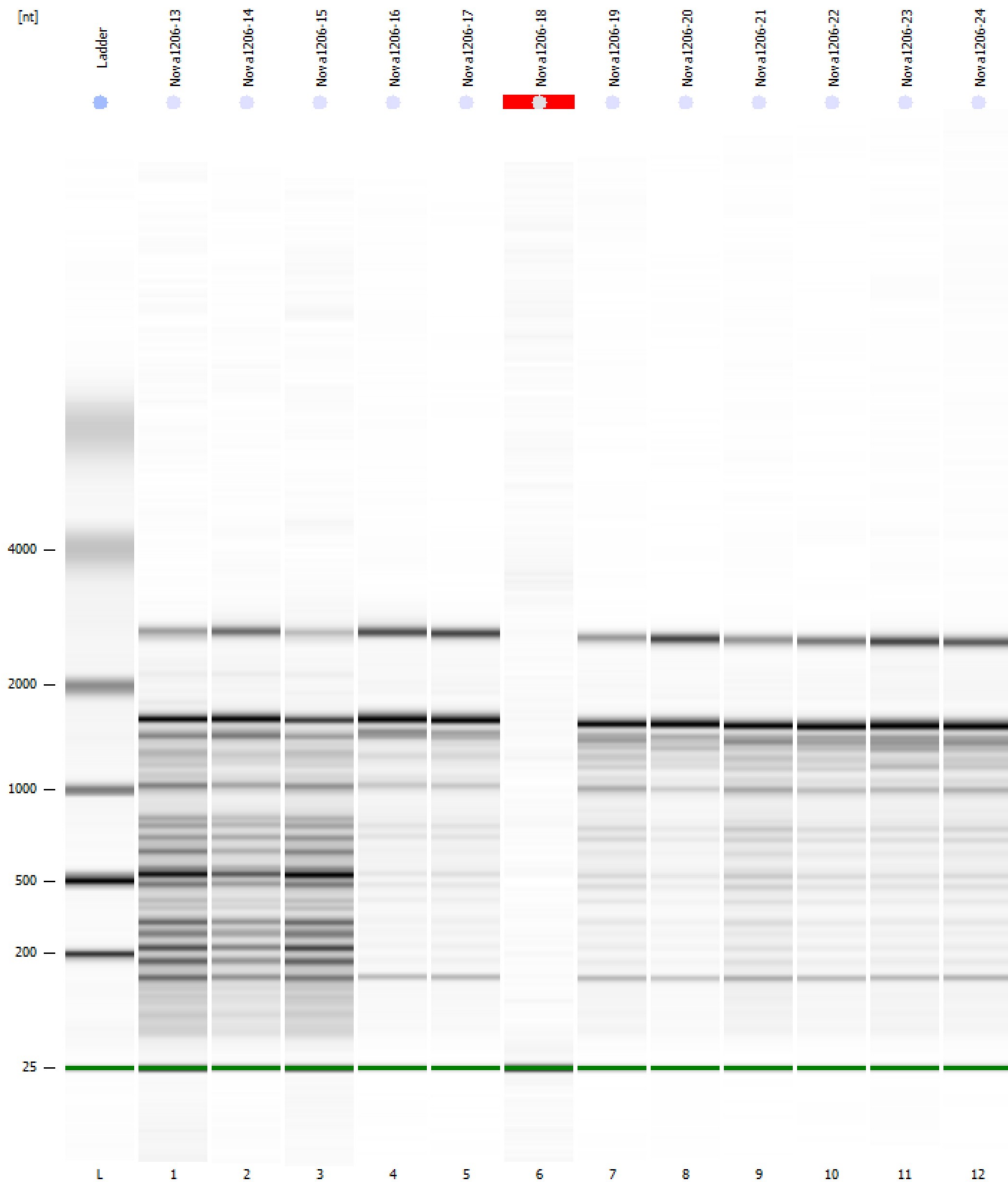
Fragment table for sample 12 : Nova1206-24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,743	23.5	13.4
28S	2,403	3,056	18.9	10.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
Modified: 11/14/2024 1:39:49 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad

Created: 11/14/2024 12:24:11 PM
 Modified: 11/14/2024 1:39:49 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		11/14/2024 12:48:05 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-11-14\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-11-14_001.xad)		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/14/2024 12:24:25 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB