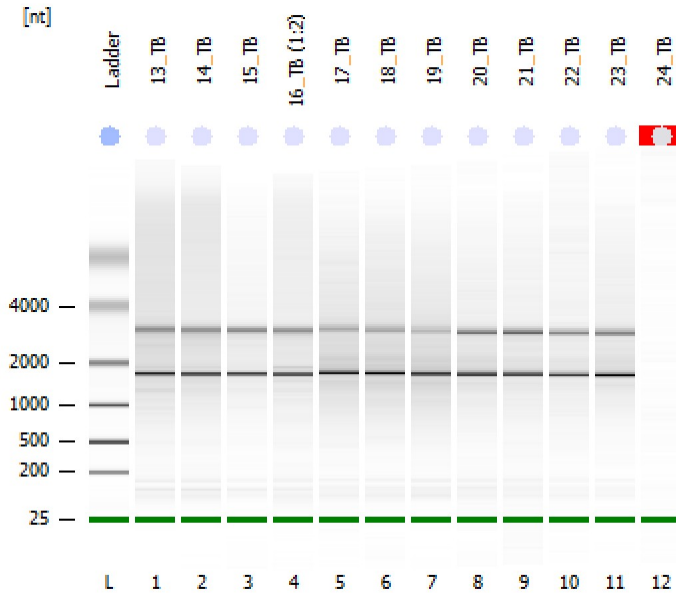


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
Modified: 5/16/2024 3:42:47 PM

Electrophoresis File Run Summary



Instrument Information:

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

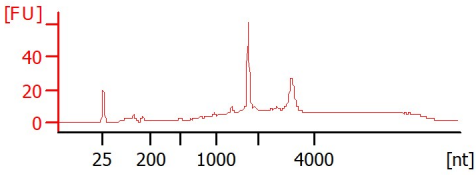
Assay Information:

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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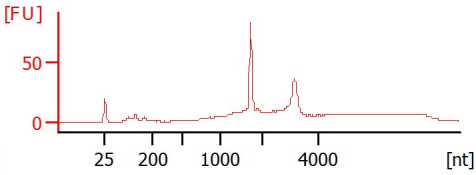
Chip Information:

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

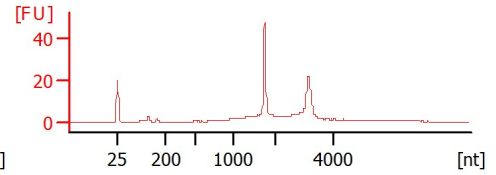
13_TB
RIN: 7.10



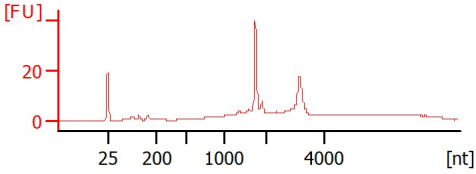
14_TB
RIN: 7.20



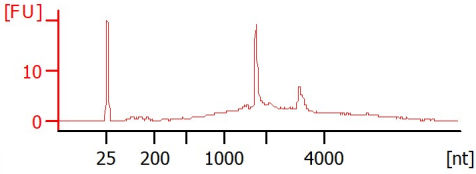
15_TB
RIN: 8



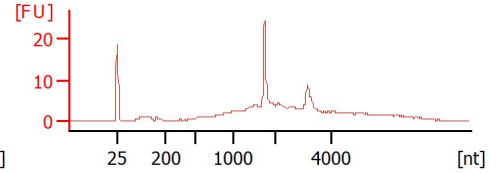
16_TB (1:2)
RIN: 7.50



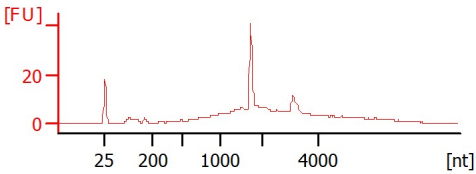
17_TB
RIN: 6.70



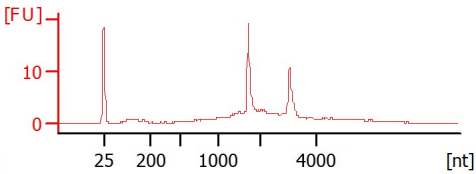
18_TB
RIN: 6.70



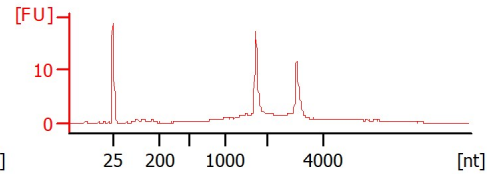
19_TB
RIN: 6.20



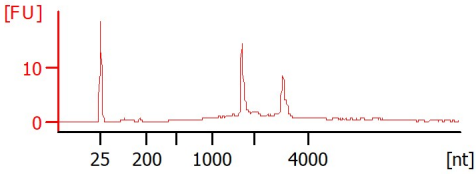
20_TB
RIN: 7.50



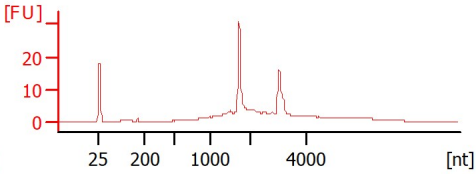
21_TB
RIN: 8.10



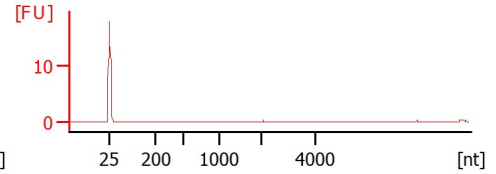
22_TB
RIN: 7.90



23_TB
RIN: 7.60



24_TB
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
13_TB		✓	RIN: 7.10	
14_TB		✓	RIN: 7.20	
15_TB		✓	RIN:8	
16_TB (1:2)		✓	RIN: 7.50	
17_TB		✓	RIN: 6.70	
18_TB		✓	RIN: 6.70	
19_TB		✓	RIN: 6.20	
20_TB		✓	RIN: 7.50	
21_TB		✓	RIN: 8.10	
22_TB		✓	RIN: 7.90	
23_TB		✓	RIN: 7.60	
24_TB		✓	RIN N/A	
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_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 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

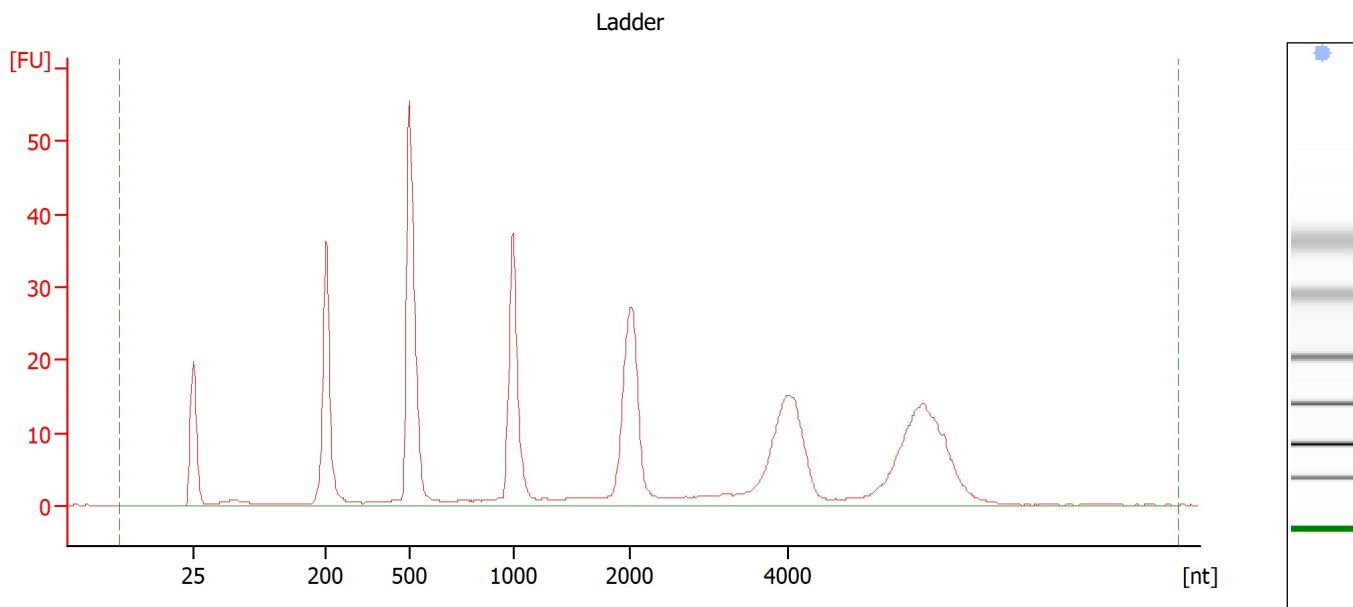
Ladder

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_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary



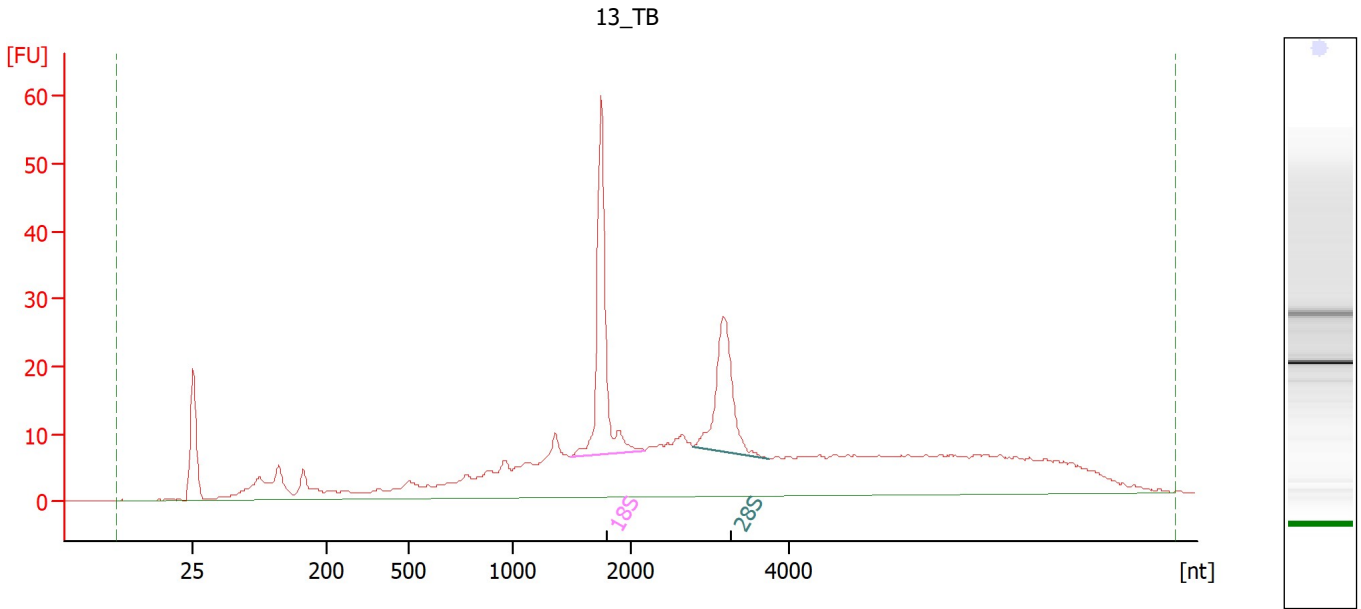
Overall Results for Ladder

RNA Area:	382.8	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_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 13_TB

RNA Area:	508.2	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	199 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.10

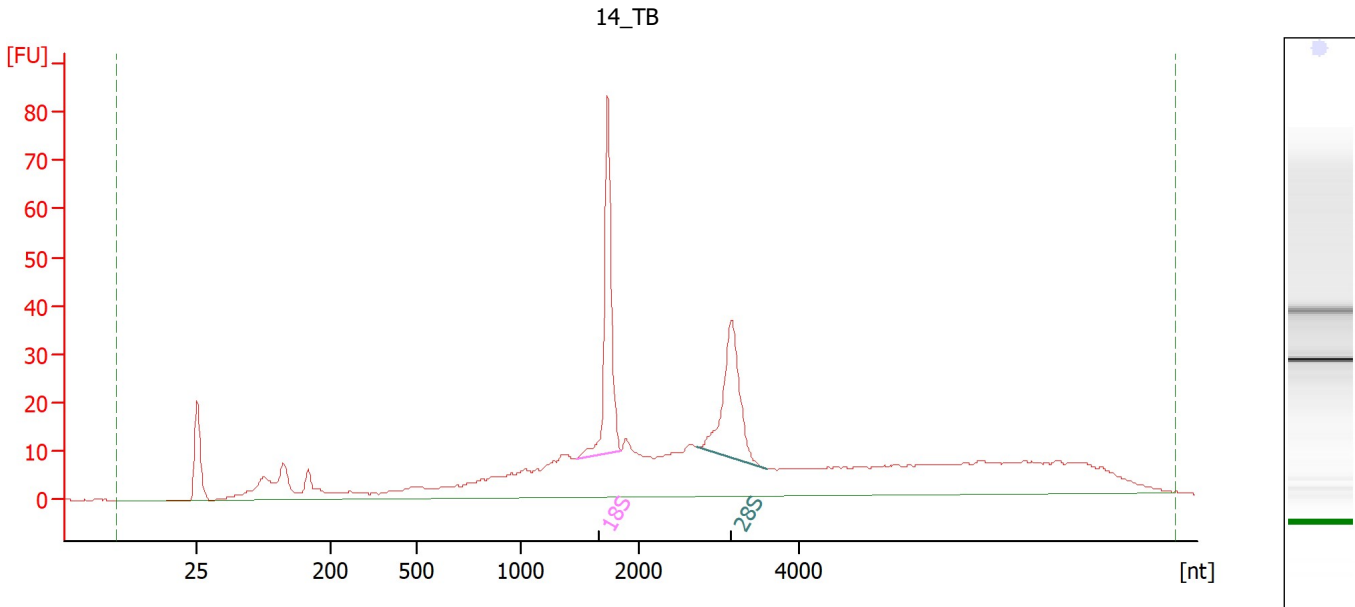
Fragment table for sample 1 : 13_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,476	2,165	54.7	10.8
28S	2,775	3,750	37.5	7.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 14_TB

RNA Area:	613.0	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	240 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.20

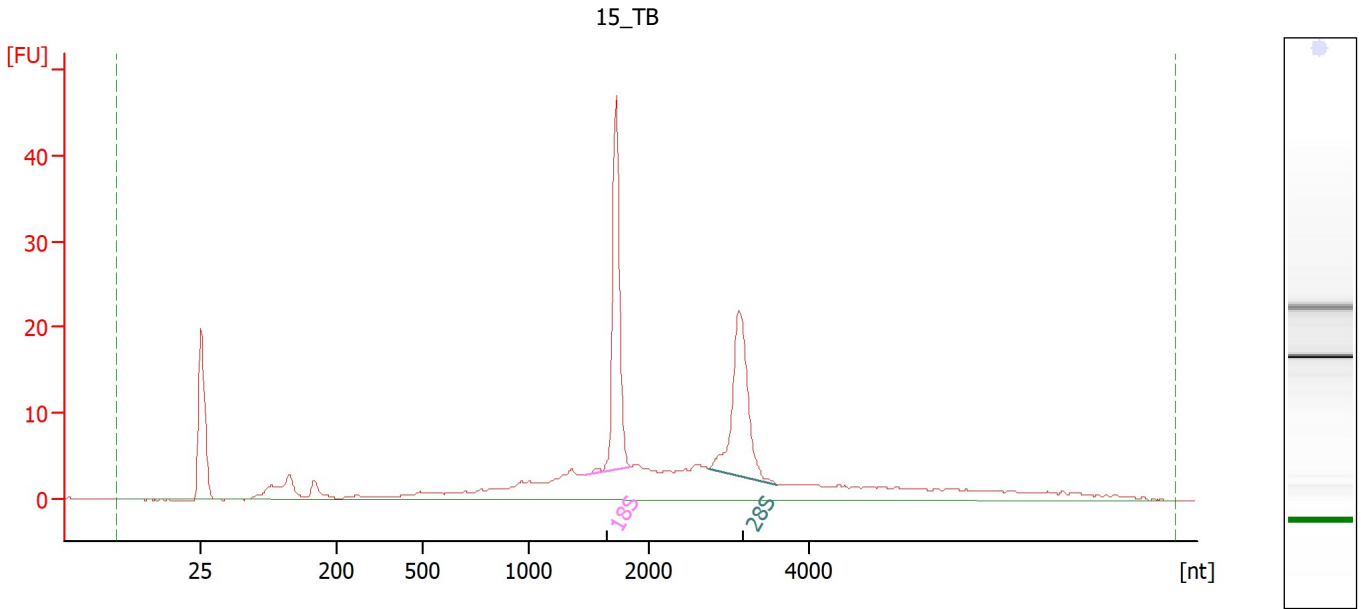
Fragment table for sample 2 : 14_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,467	1,844	66.3	10.8
28S	2,720	3,593	53.2	8.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 15_TB

RNA Area:	217.0	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	85 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN:8

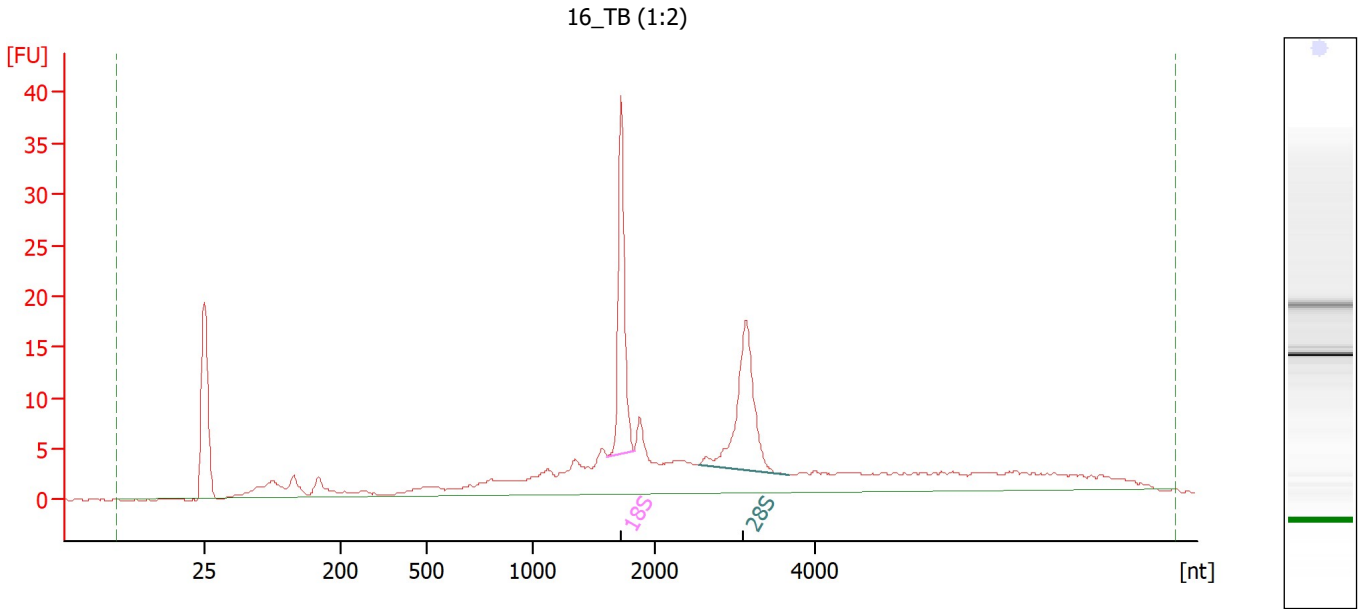
Fragment table for sample 3 : 15_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,475	1,858	36.5	16.8
28S	2,760	3,612	33.1	15.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 16_TB (1:2)

RNA Area:	218.8	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.50

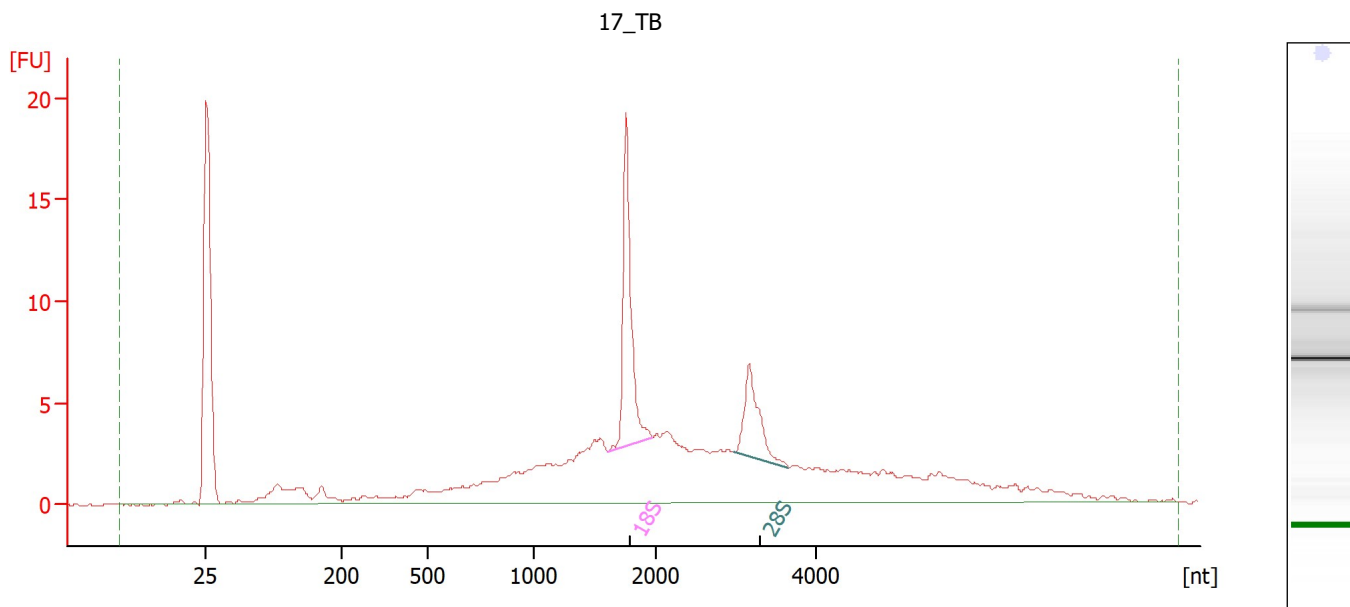
Fragment table for sample 4 : 16_TB (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,835	28.2	12.9
28S	2,547	3,659	27.9	12.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17_TB

RNA Area:	143.0	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	56 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.70

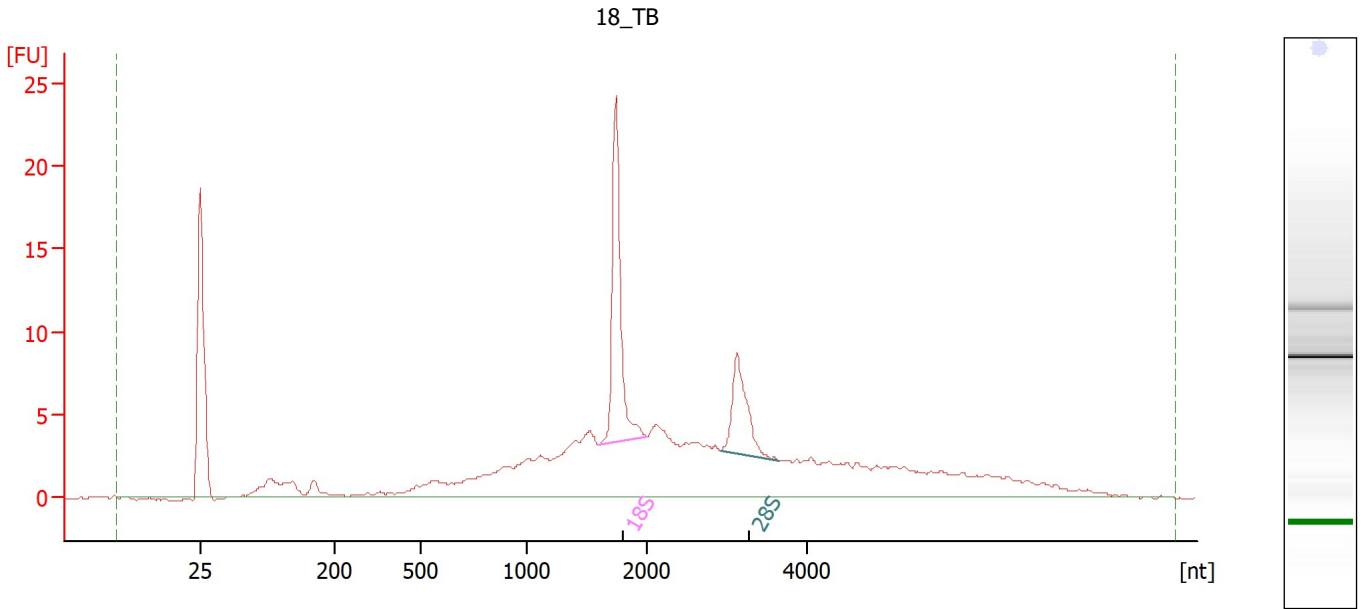
Fragment table for sample 5 : 17_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	1,976	15.9	11.1
28S	2,985	3,661	7.1	5.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 18_TB

RNA Area:	179.0	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.70

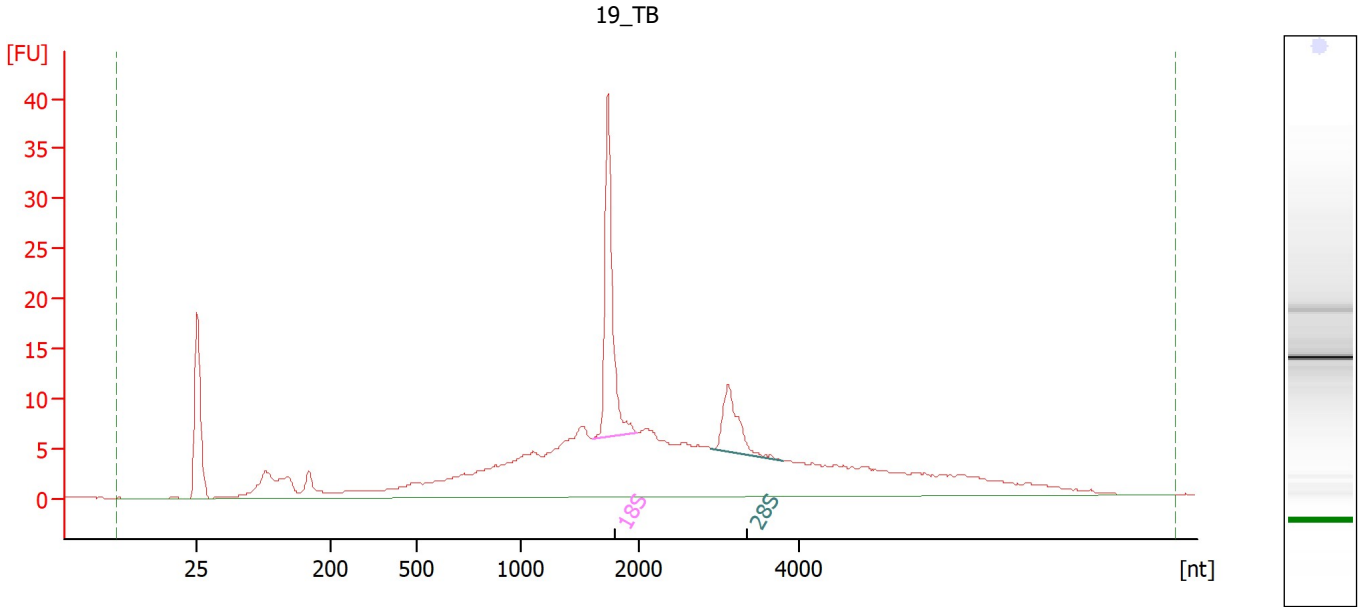
Fragment table for sample 6 : 18_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	2,013	20.7	11.6
28S	2,933	3,654	10.1	5.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 19_TB

RNA Area:	309.0	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	121 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.20

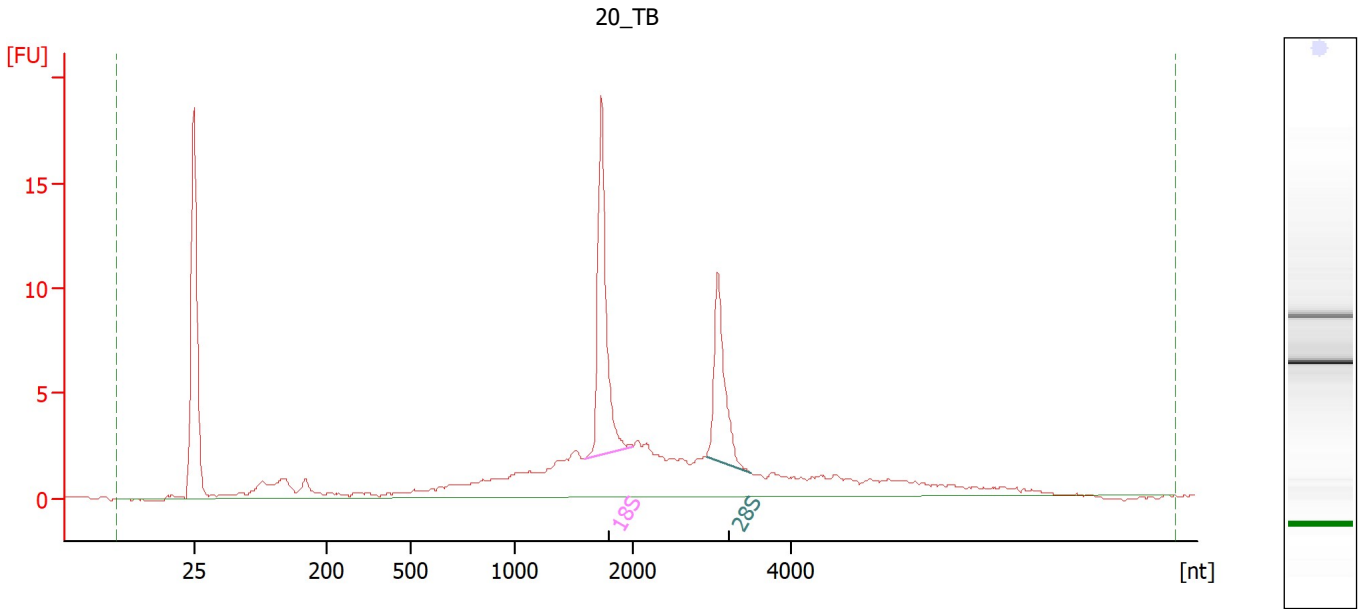
Fragment table for sample 7 : 19_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,978	33.6	10.9
28S	2,895	3,794	11.5	3.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 20_TB

RNA Area:	112.0	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.50

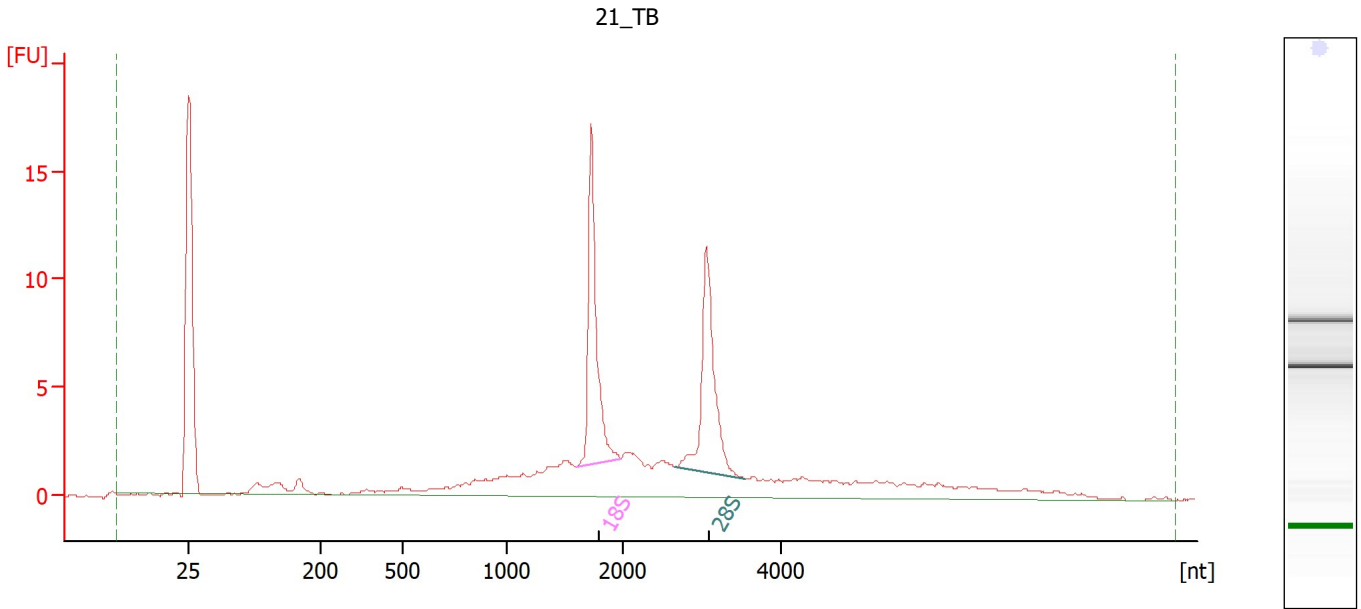
Fragment table for sample 8 : 20_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,993	17.4	15.6
28S	2,923	3,491	10.8	9.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 21_TB

RNA Area:	96.9	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.10

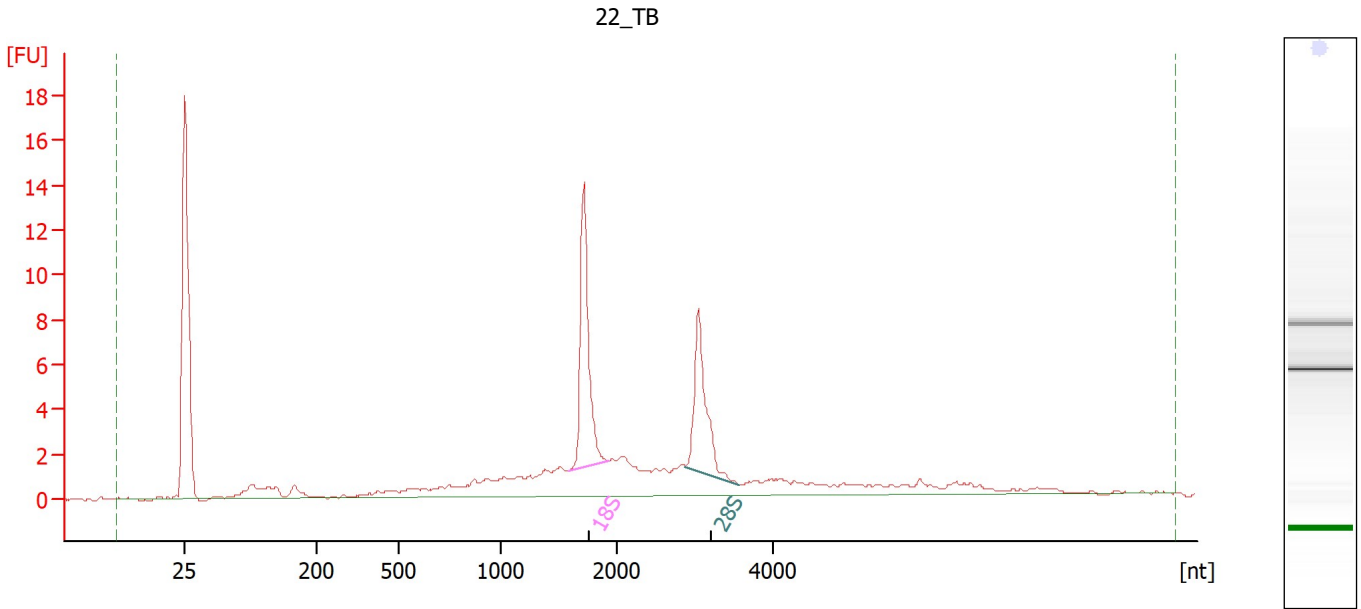
Fragment table for sample 9 : 21_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	1,970	16.6	17.1
28S	2,666	3,541	14.8	15.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 22_TB

RNA Area:	77.2	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	30 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.90

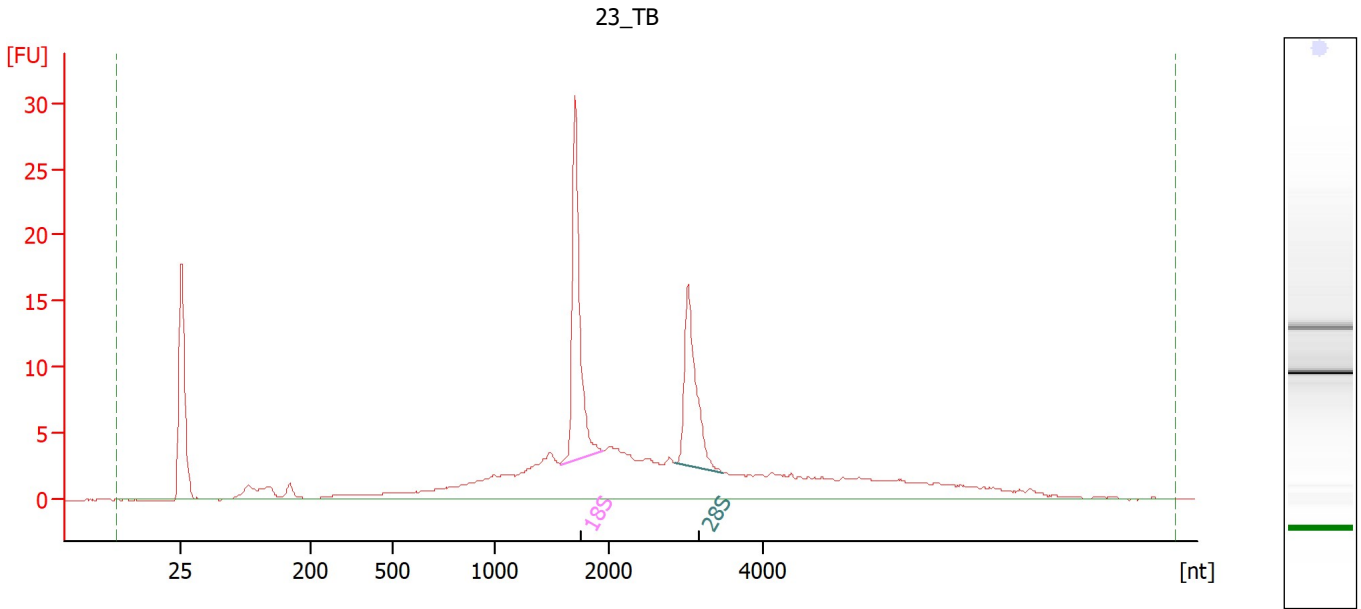
Fragment table for sample 10 : 22_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,930	12.9	16.8
28S	2,872	3,574	9.4	12.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
 Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 23_TB

RNA Area:	174.6	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	68 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.60

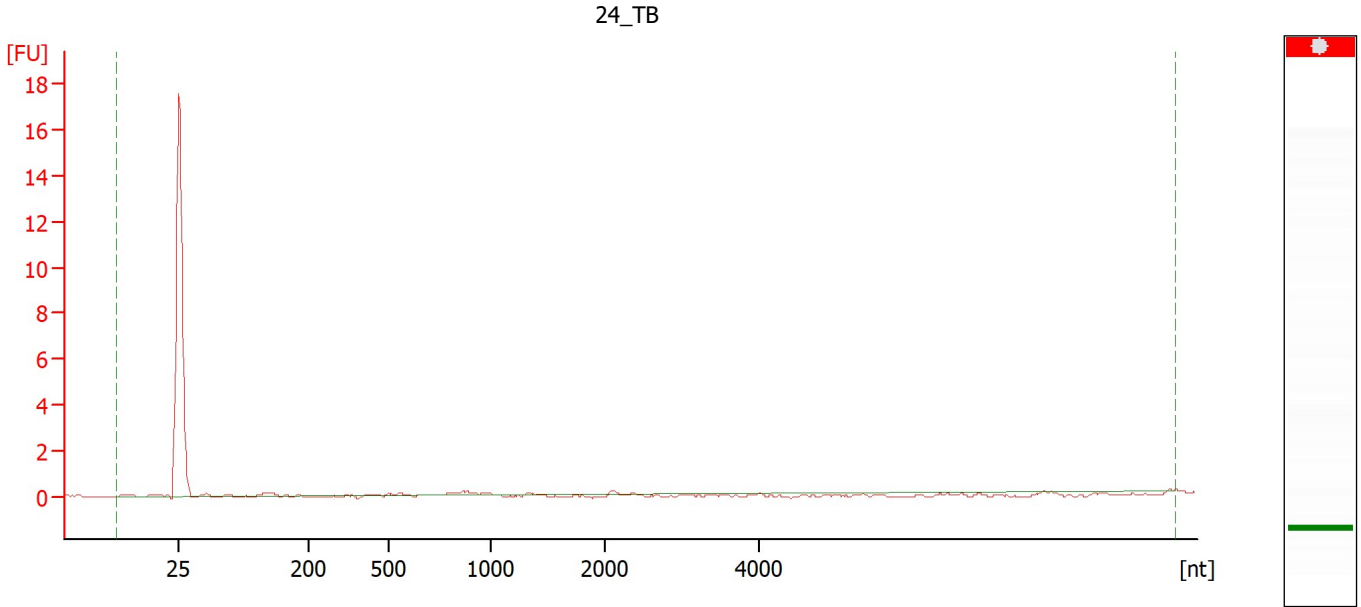
Fragment table for sample 11 : 23_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,944	27.5	15.8
28S	2,846	3,485	18.6	10.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
Modified: 5/16/2024 3:42:47 PM

Electropherogram Summary Continued ...



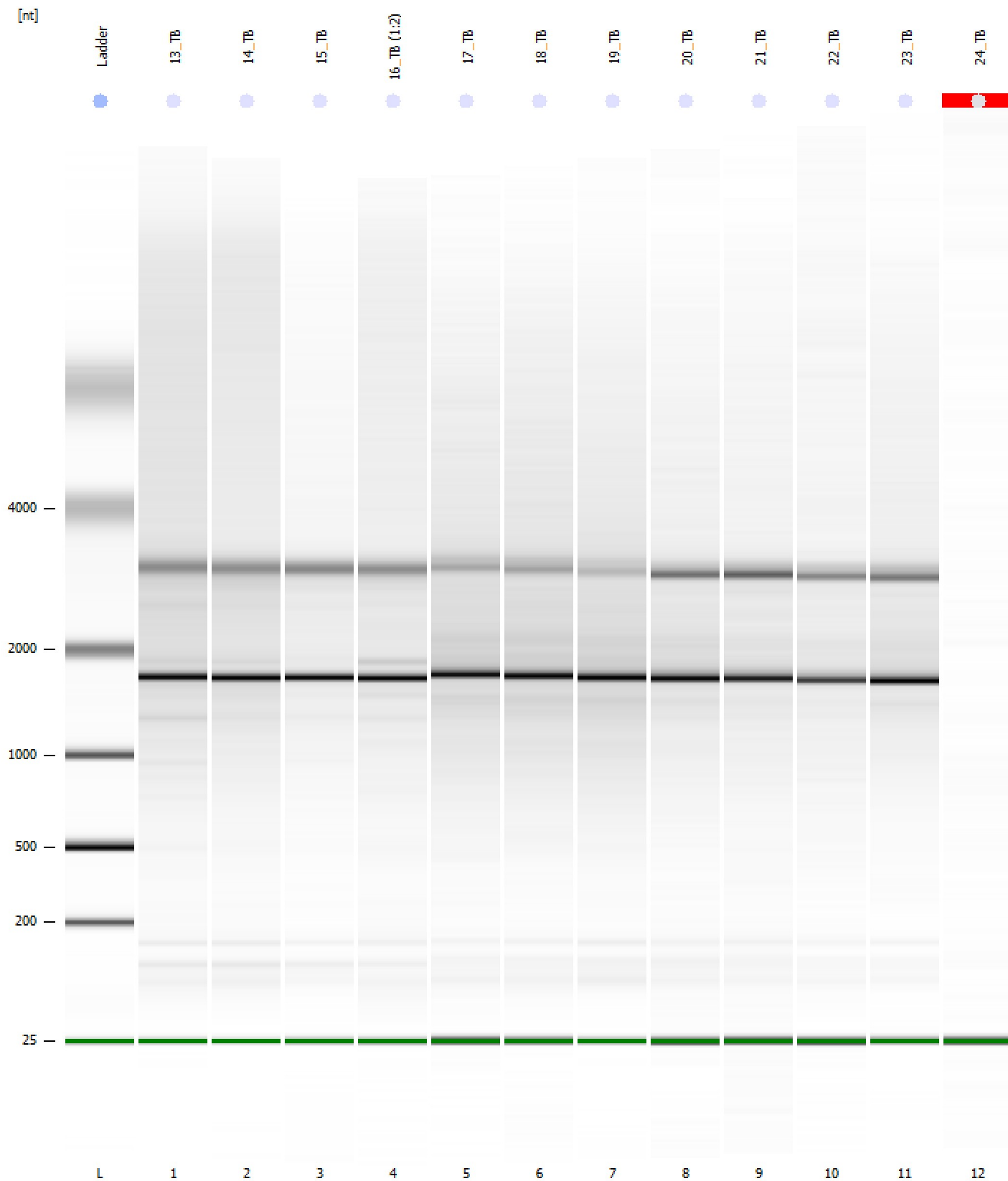
Overall Results for sample 12 : 24_TB

RNA Area:	2.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1 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_2024-05-16_002.xad

Created: 5/16/2024 2:43:53 PM
Modified: 5/16/2024 3:42:47 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 5/16/2024 2:43:53 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad Modified: 5/16/2024 3:42:47 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		5/16/2024 3:06:55 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\2024-05-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_002.xad)		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2024 2:43:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB