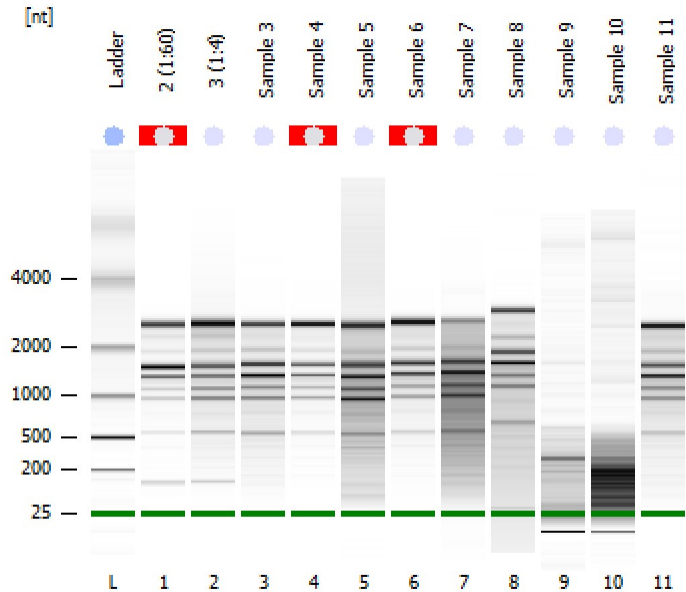


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

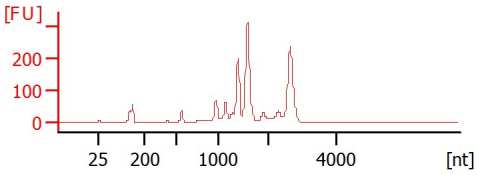
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy  
 Assay Class: Eukaryote Total RNA Pico  
 Version: 2.6  
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

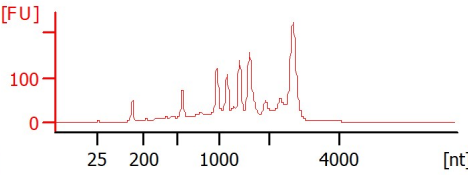
Chip Information:

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

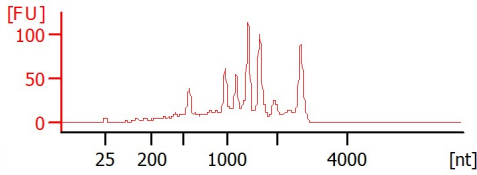
**2 (1:60)**  
 RIN N/A



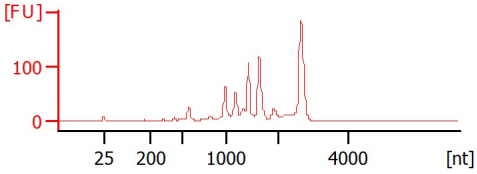
**3 (1:4)**  
 RIN: 6.80



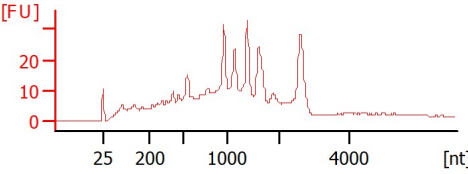
**Sample 3**  
 TAG0291-9  
 RIN: 6.10



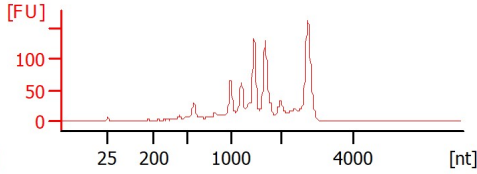
**Sample 4**  
 TAG0291-13  
 RIN N/A



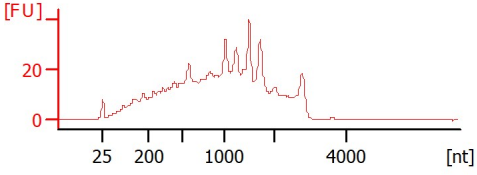
**Sample 5**  
 TAG0291-14  
 RIN: 5.40



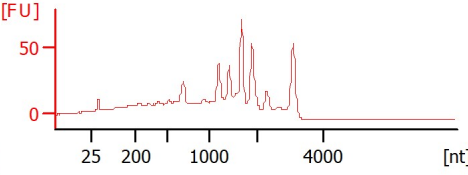
**Sample 6**  
 TAG0291-15  
 RIN N/A



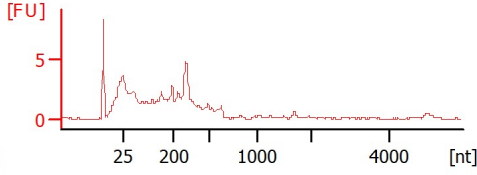
**Sample 7**  
 TAG0291-17  
 RIN: 3.90



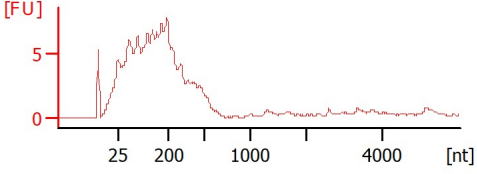
**Sample 8**  
 TAG0291-16  
 RIN: 5.60



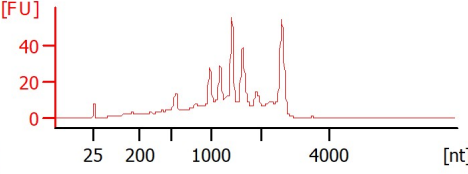
**Sample 9**  
 TAG0291-18  
 RIN: 2.50



**Sample 10**  
 TAG0291-19  
 RIN: 2.40



**Sample 11**  
 TAG0291-20  
 RIN: 6.30



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
2 (1:60)		✓	RIN N/A	
3 (1:4)		✓	RIN: 6.80	
Sample 3	TAG0291-9	✓	RIN: 6.10	
Sample 4	TAG0291-13	✓	RIN N/A	
Sample 5	TAG0291-14	✓	RIN: 5.40	
Sample 6	TAG0291-15	✓	RIN N/A	
Sample 7	TAG0291-17	✓	RIN: 3.90	
Sample 8	TAG0291-16	✓	RIN: 5.60	
Sample 9	TAG0291-18	✓	RIN: 2.50	
Sample 10	TAG0291-19	✓	RIN: 2.40	
Sample 11	TAG0291-20	✓	RIN: 6.30	
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\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 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

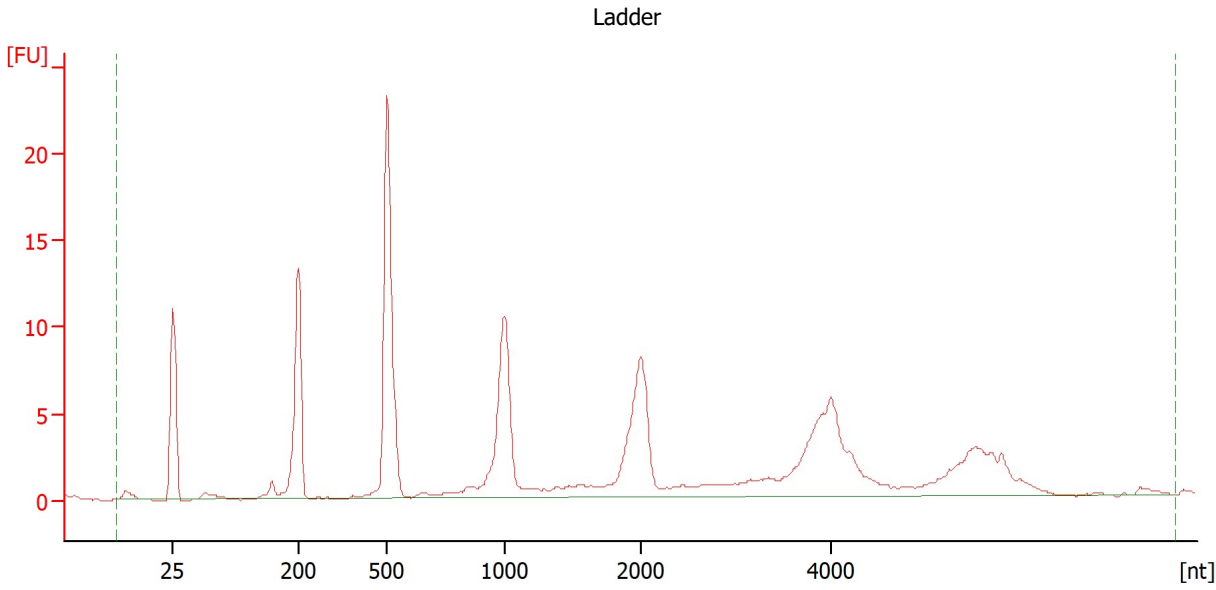
**Ladder**

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\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary**



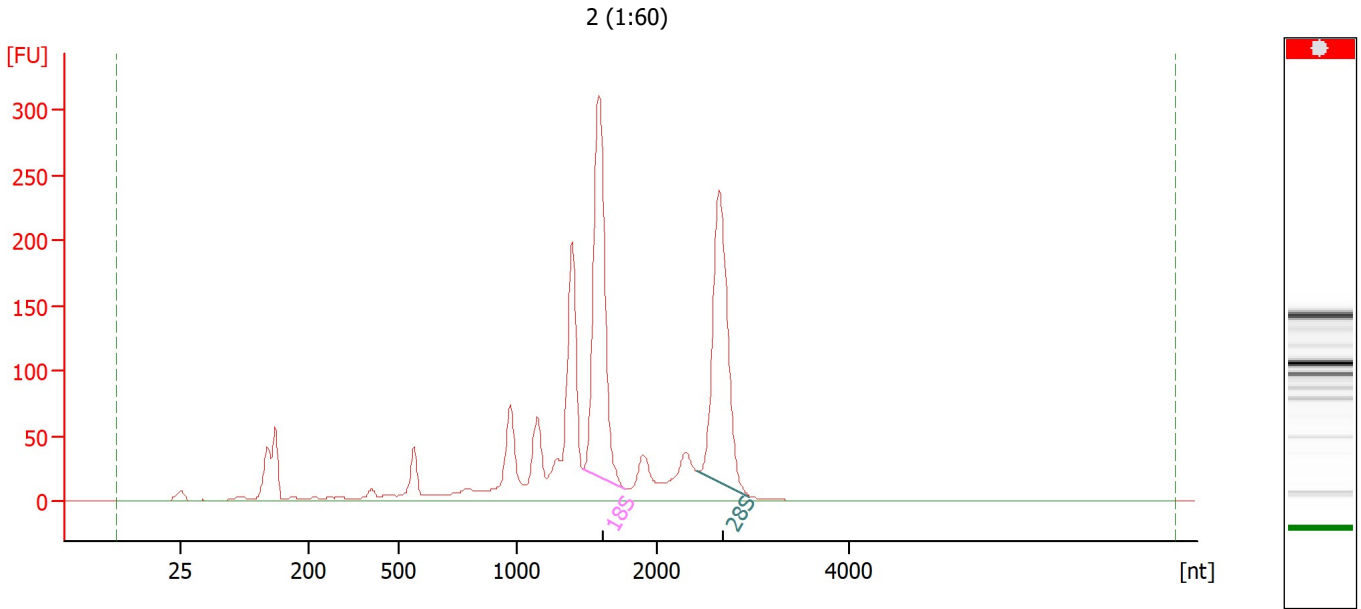
**Overall Results for Ladder**

RNA Area:	143.3	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 2 (1:60)**

RNA Area:	1,932.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	13,479 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

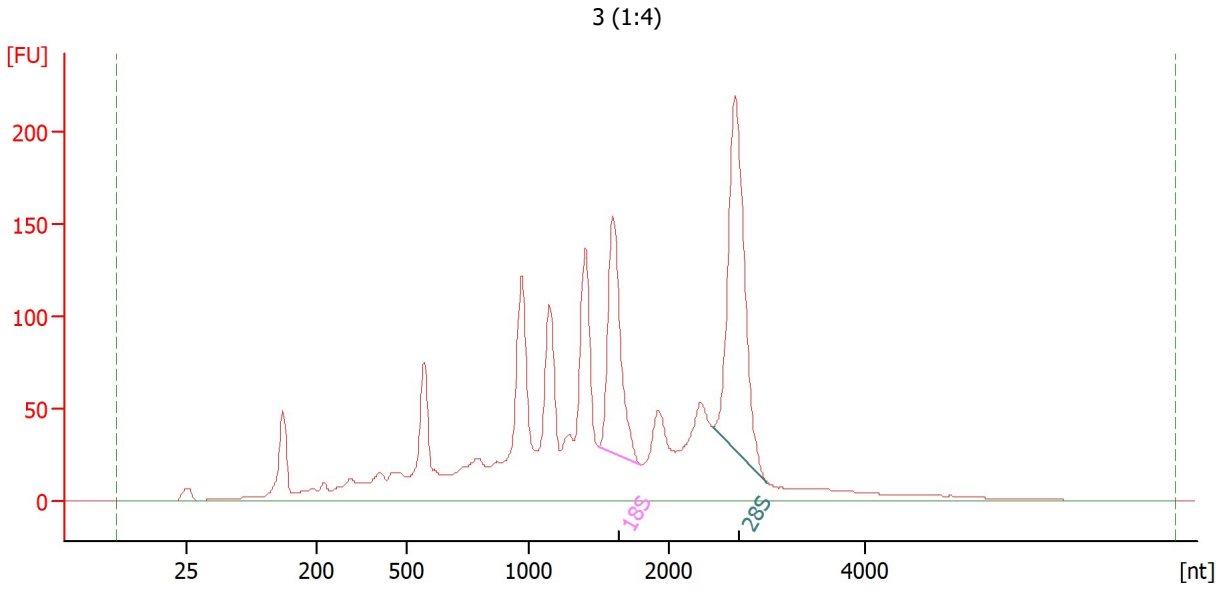
**Fragment table for sample 1 : 2 (1:60)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,469	1,777	429.8	22.2
28S	2,421	2,963	378.9	19.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 3 (1:4)**

RNA Area:	2,325.1	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	16,221 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 6.80

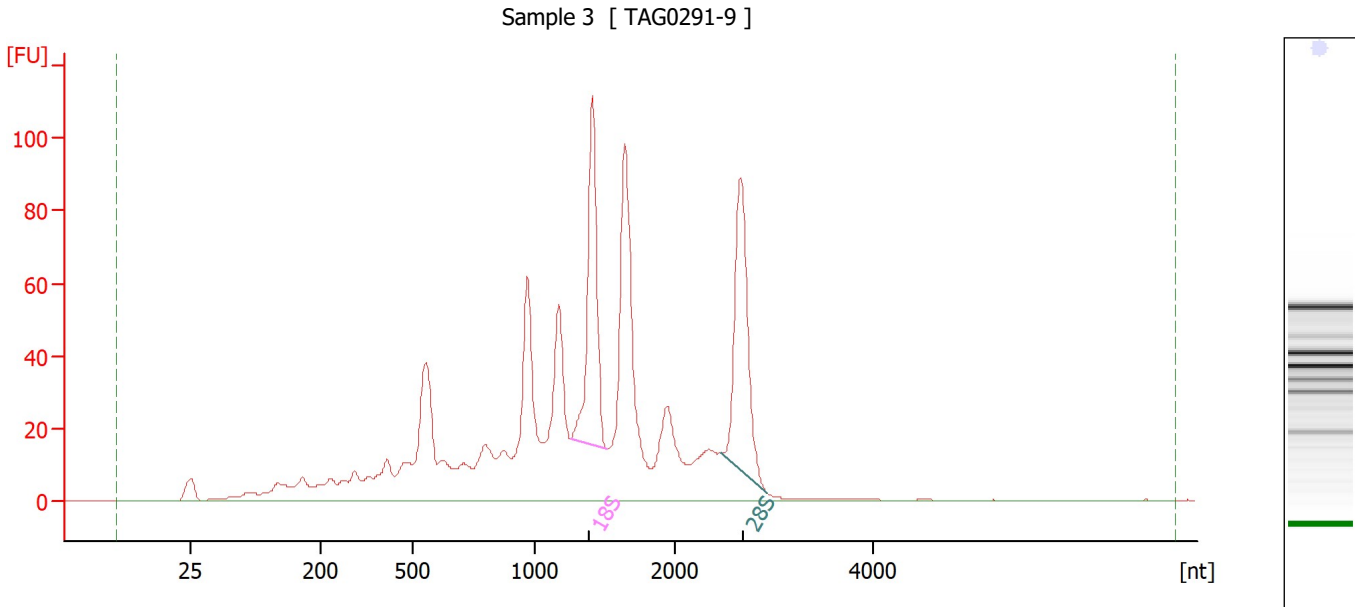
**Fragment table for sample 2 : 3 (1:4)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,796	200.5	8.6
28S	2,438	3,005	346.8	14.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 3**

RNA Area:	1,151.2	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	8,031 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.10

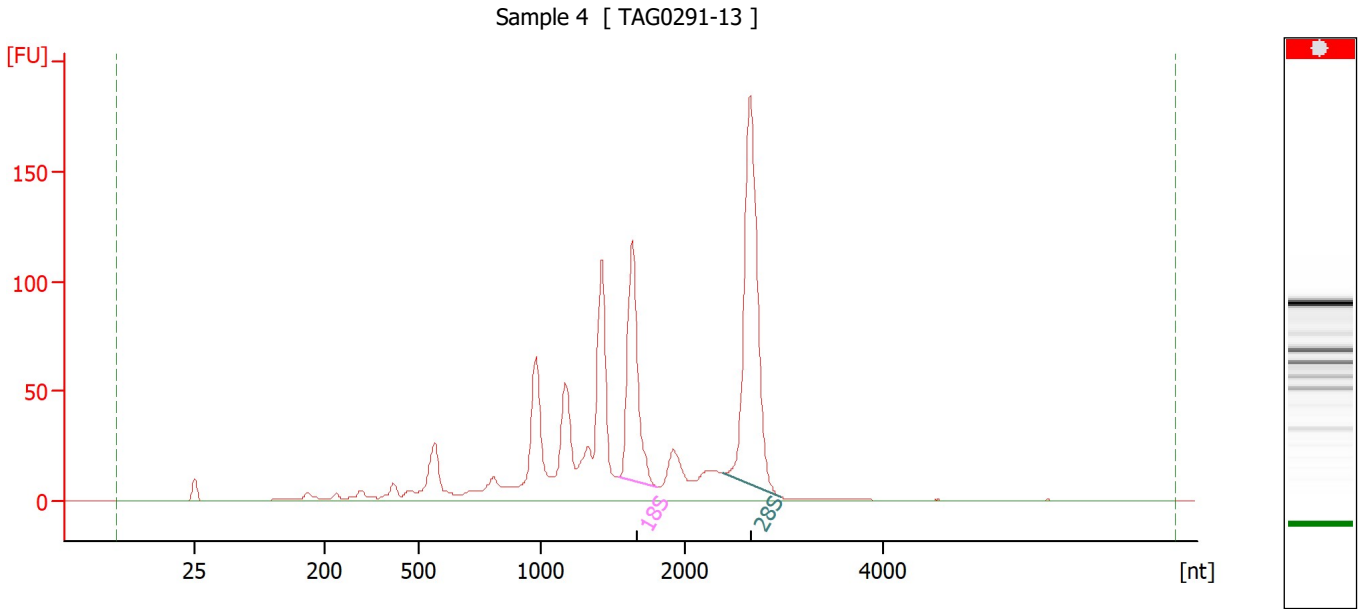
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,254	1,511	115.9	10.1
28S	2,468	2,923	115.0	10.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

RNA Area:	1,077.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7,514 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN N/A

**Fragment table for sample 4 : Sample 4**

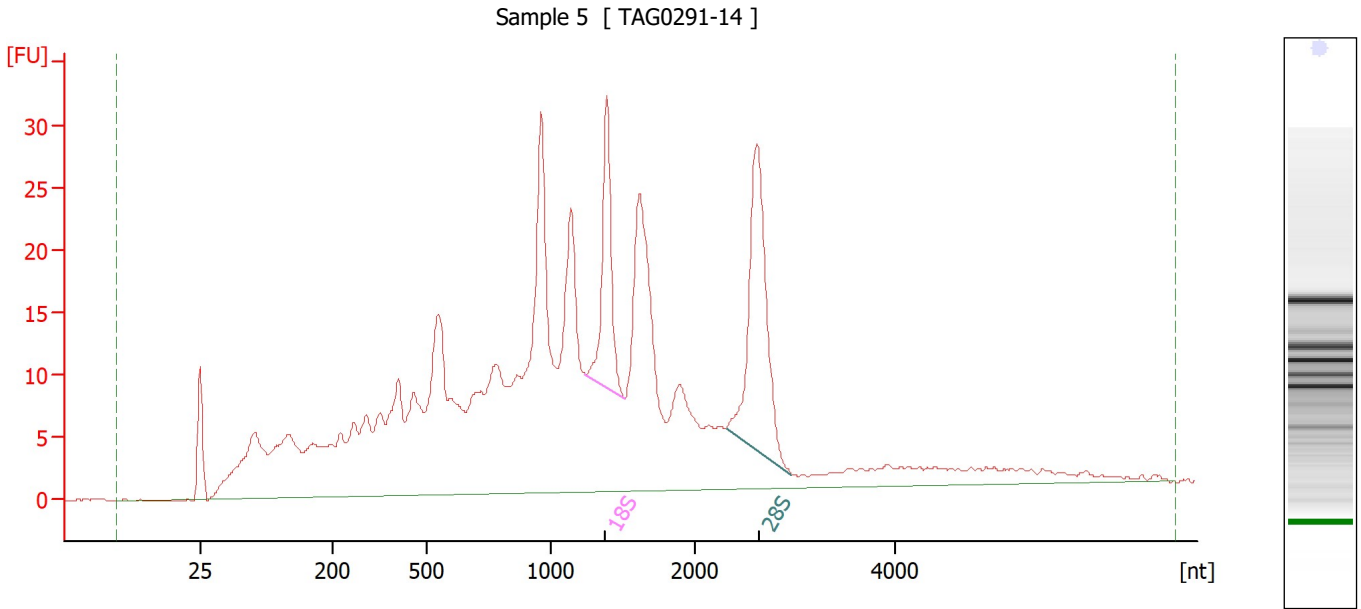
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,814	136.4	12.7
28S	2,389	2,969	256.3	23.8



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Sample 5**

RNA Area:	632.9	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	4,415 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 5.40

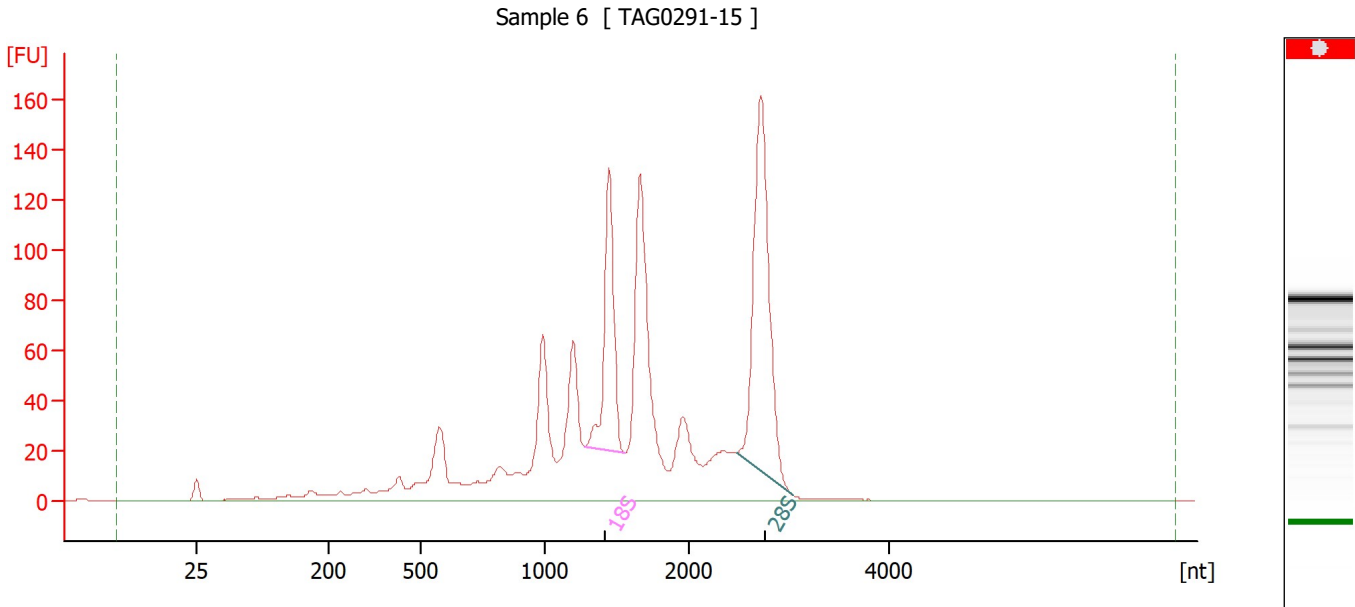
**Fragment table for sample 5 : Sample 5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,240	1,514	27.2	4.3
28S	2,311	2,960	46.1	7.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 6**

RNA Area:	1,367.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	9,542 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN N/A

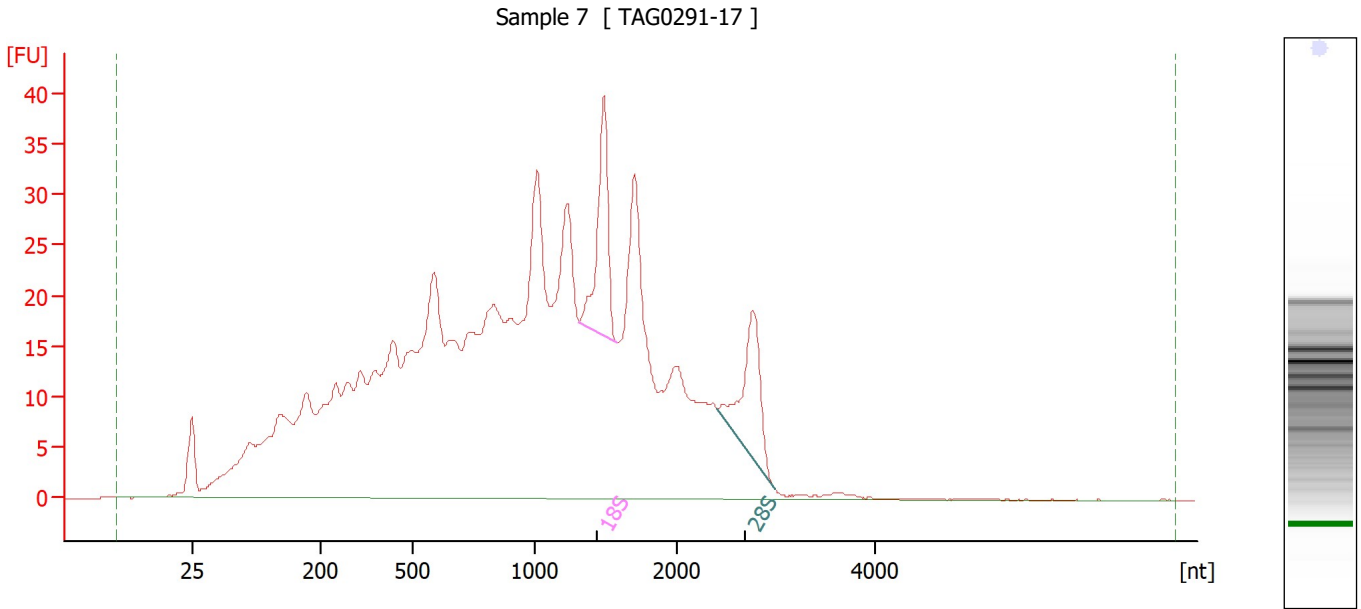
**Fragment table for sample 6 : Sample 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,279	1,562	137.1	10.0
28S	2,484	3,040	250.7	18.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	985.8	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	6,878 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 3.90

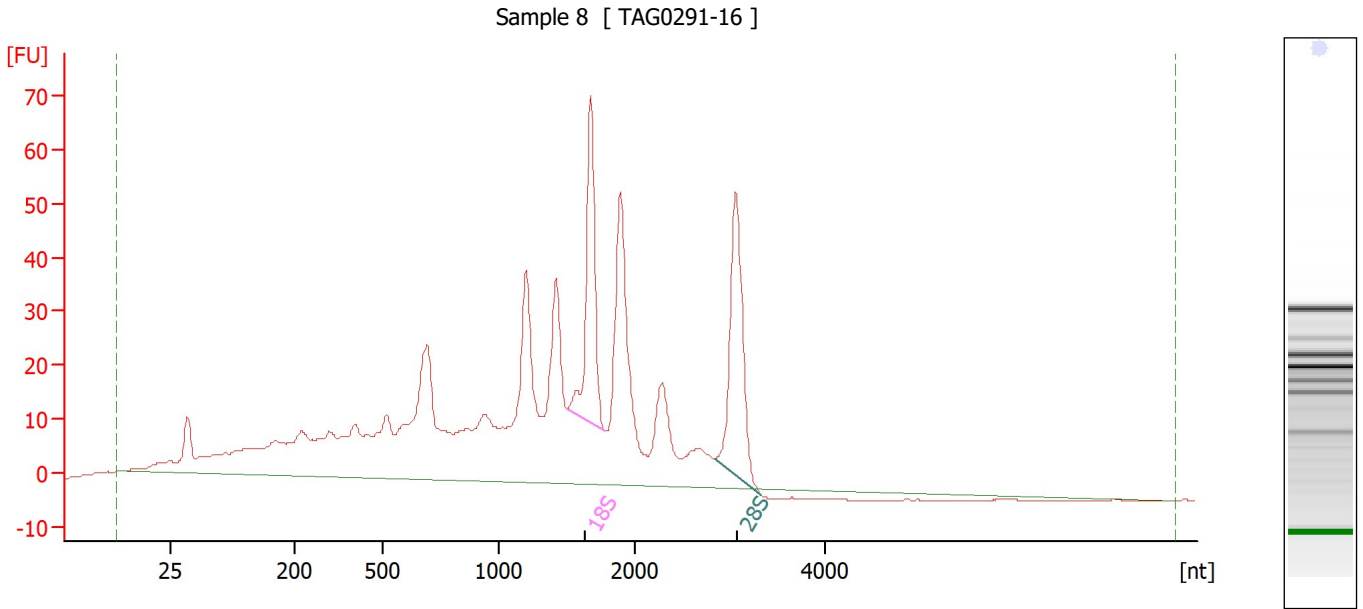
**Fragment table for sample 7 : Sample 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,309	1,565	31.7	3.2
28S	2,402	2,975	27.8	2.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 8**

RNA Area:	926.4	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	6,463 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 5.60

**Fragment table for sample 8 : Sample 8**

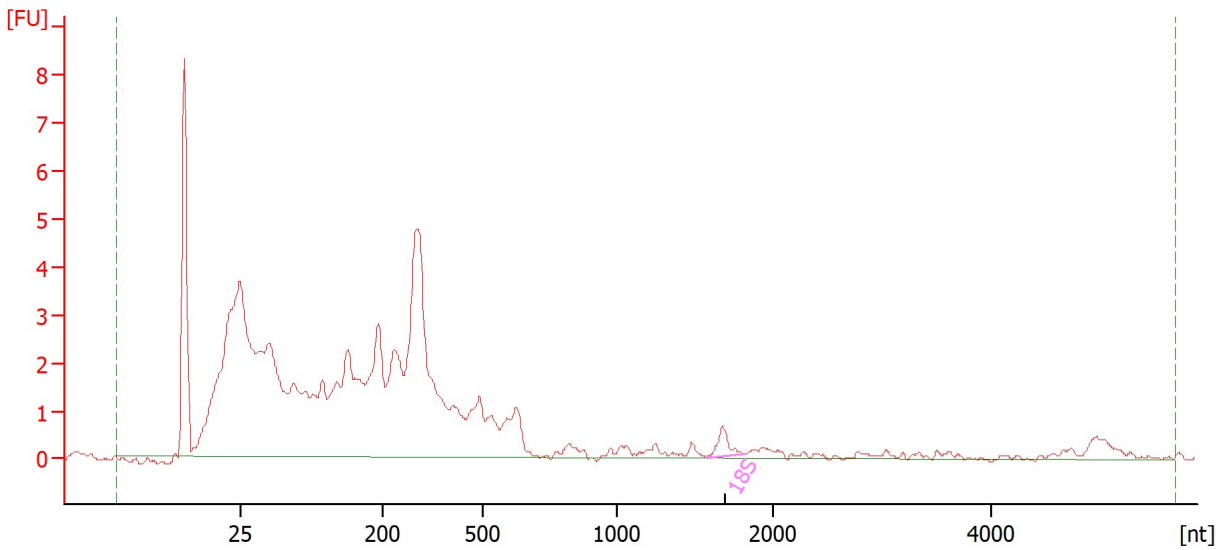
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,779	70.7	7.6
28S	2,848	3,323	73.7	8.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**

Sample 9 [ TAG0291-18 ]



**Overall Results for sample 9 : Sample 9**

RNA Area:	79.8	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	557 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

**Fragment table for sample 9 : Sample 9**

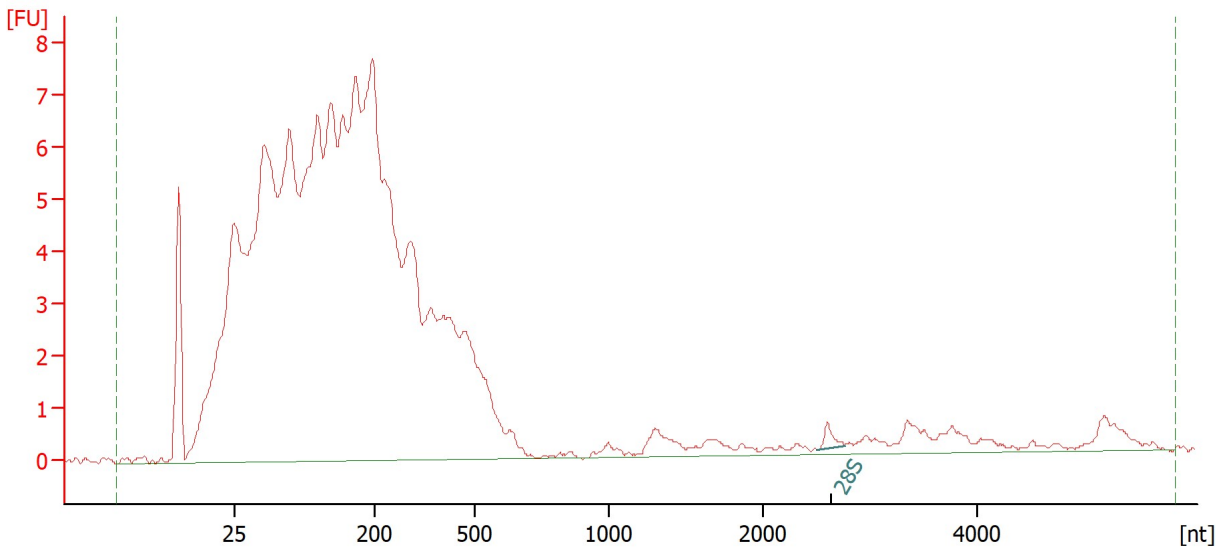
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,819	0.8	1.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**

Sample 10 [ TAG0291-19 ]



**Overall Results for sample 10 : Sample 10**

RNA Area:	199.8	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	1,394 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

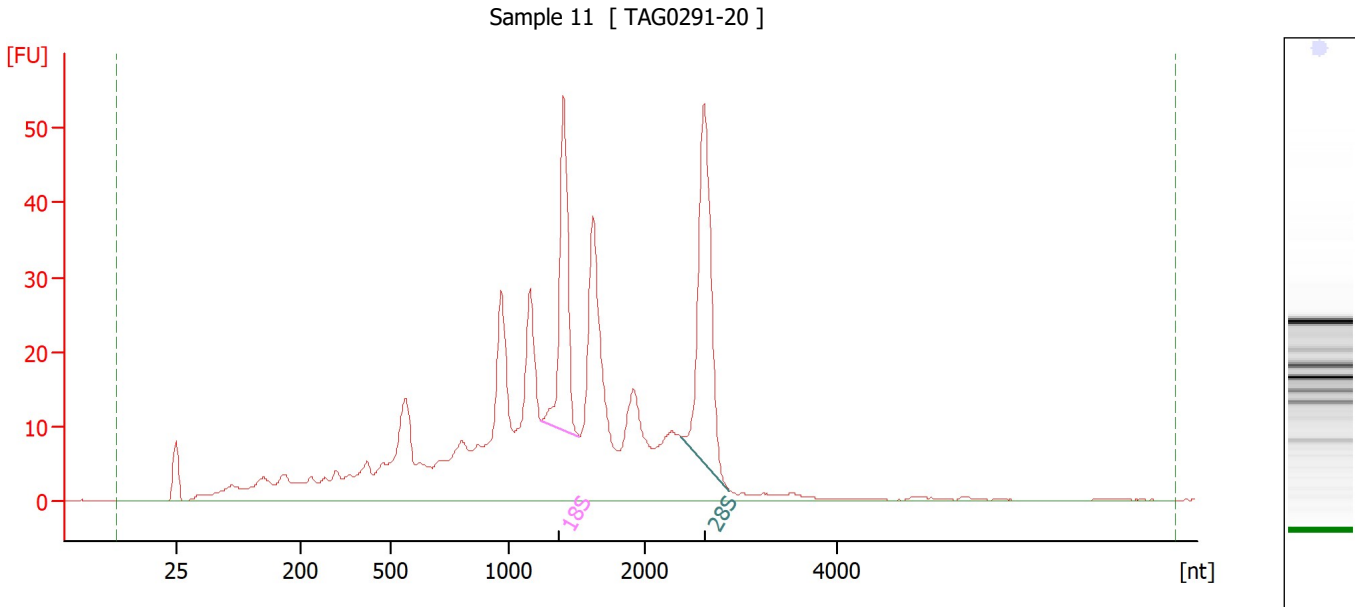
**Fragment table for sample 10 : Sample 10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,514	2,762	0.4	0.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
 Modified: 9/23/2024 5:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Sample 11**

RNA Area:	613.6	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	4,281 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.30

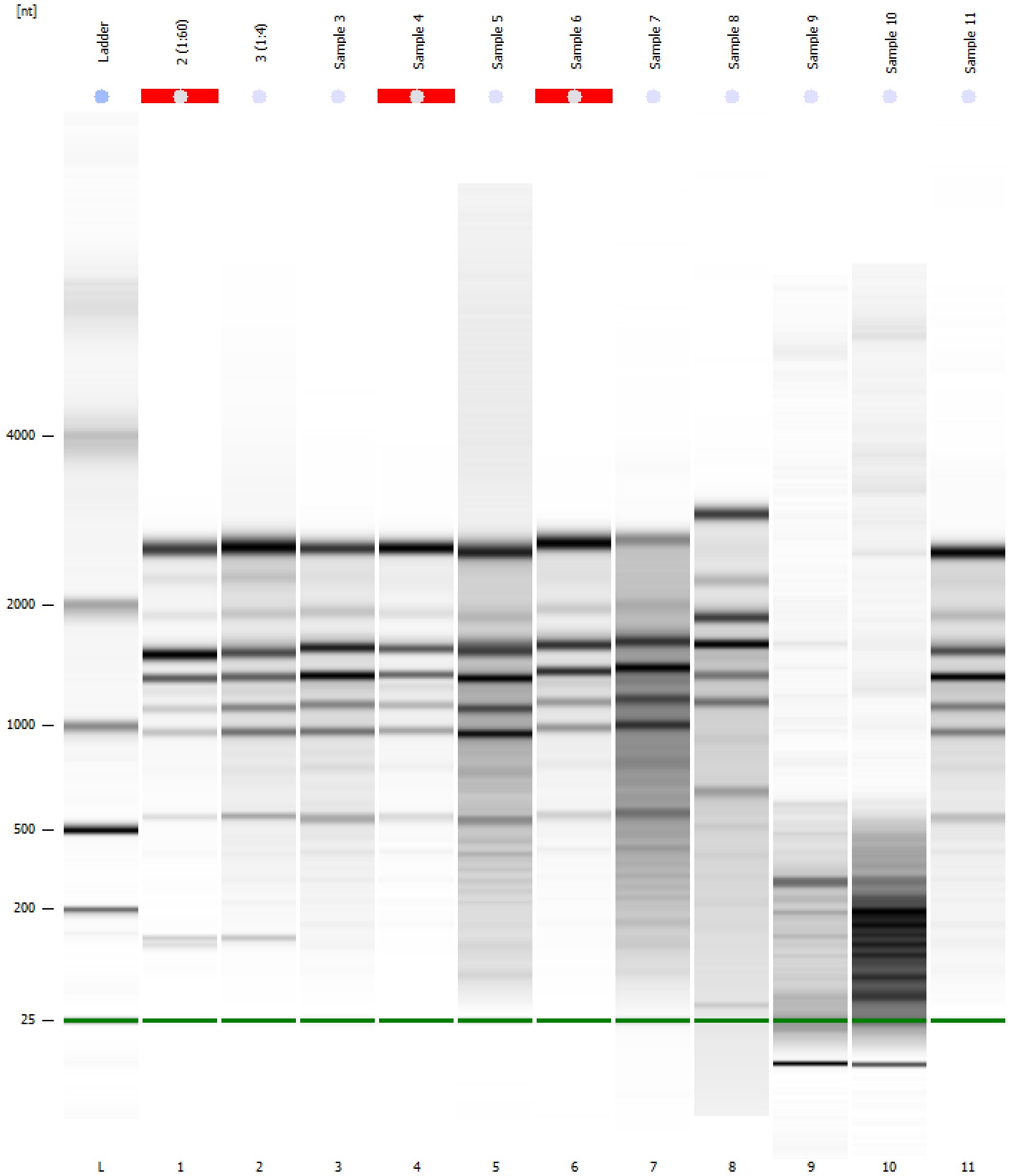
**Fragment table for sample 11 : Sample 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,237	1,517	49.0	8.0
28S	2,369	2,872	70.7	11.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad

Created: 9/23/2024 4:52:21 PM  
Modified: 9/23/2024 5:14:25 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico Created: 9/23/2024 4:52:21 PM  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-09-23\_002.xad Modified: 9/23/2024 5:14:25 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		9/23/2024 5:14:24 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\2024-09-23\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-09-23_002.xad)		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/23/2024 4:52:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB