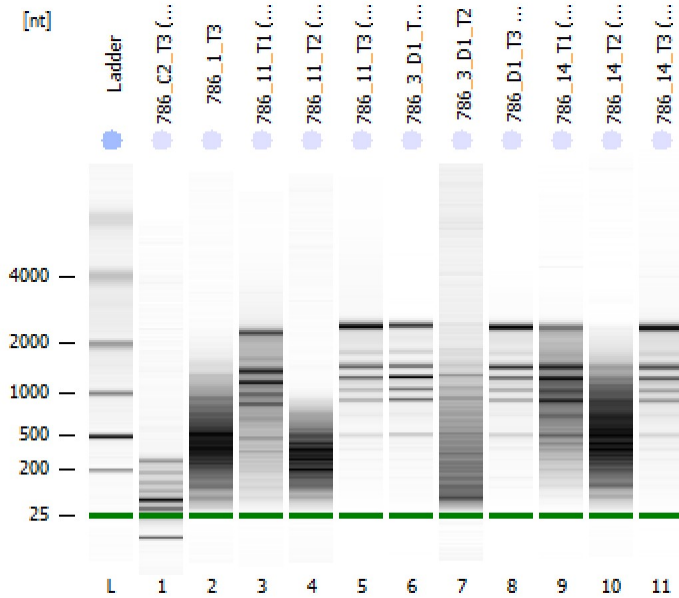


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
Modified: 9/24/2024 11:52:48 AM

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

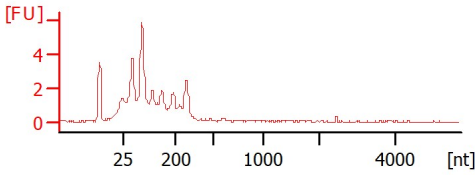
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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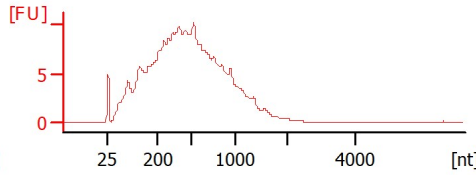
Chip Information:

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

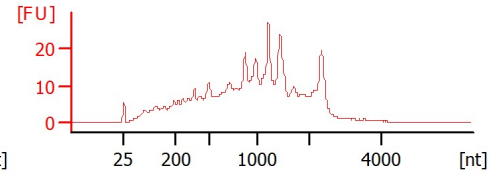
786_C2_T3 (1:4)
TAG0291-21
RIN: 2.40



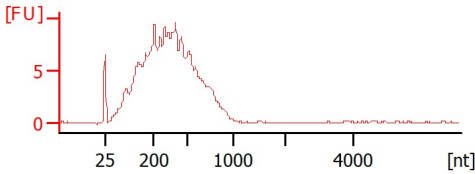
786_1_T3
TAG0291-22
RIN: 2.10



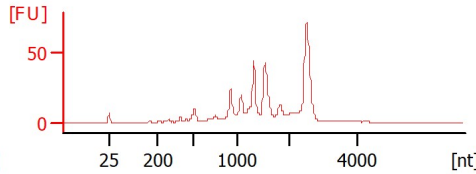
786_11_T1 (1:2)
TAG0291-23
RIN: 4.50



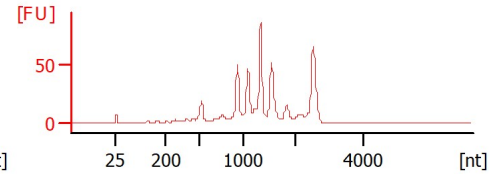
786_11_T2 (1:4)
TAG0291-24
RIN: 1.90



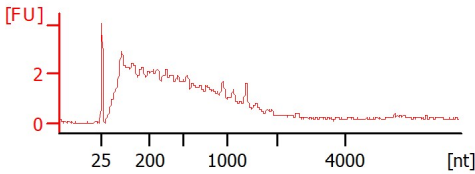
786_11_T3 (1:4)
TAG0291-25
RIN: 7.70



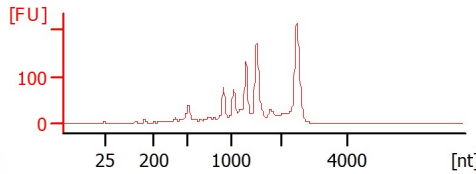
786_3_D1_T1 (1:2)
TAG0291-26
RIN: 6.50



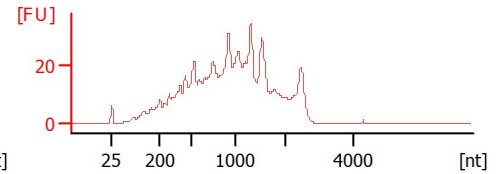
786_3_D1_T2
TAG0291-27
RIN: 2.80



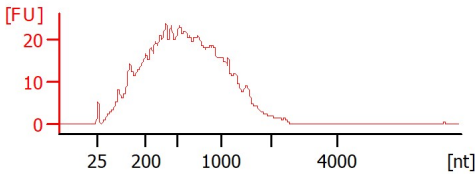
786_D1_T3 (1:20)
TAG0291-28
RIN: 6.80



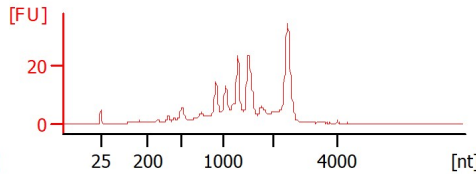
786_14_T1 (1:8)
TAG0291-29
RIN: 4



786_14_T2 (1:5)
TAG0291-30
RIN: 2.20



786_14_T3 (1:2)
TAG0291-31
RIN: 7.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Labels	Result Color
786_C2_T3 (1:4)	TAG0291-21	✓	RIN: 2.40	
786_1_T3	TAG0291-22	✓	RIN: 2.10	
786_11_T1 (1:2)	TAG0291-23	✓	RIN: 4.50	
786_11_T2 (1:4)	TAG0291-24	✓	RIN: 1.90	
786_11_T3 (1:4)	TAG0291-25	✓	RIN: 7.70	
786_3_D1_T1 (1:2)	TAG0291-26	✓	RIN: 6.50	
786_3_D1_T2	TAG0291-27	✓	RIN: 2.80	
786_D1_T3 (1:20)	TAG0291-28	✓	RIN: 6.80	
786_14_T1 (1:8)	TAG0291-29	✓	RIN:4	
786_14_T2 (1:5)	TAG0291-30	✓	RIN: 2.20	
786_14_T3 (1:2)	TAG0291-31	✓	RIN: 7.20	
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_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

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

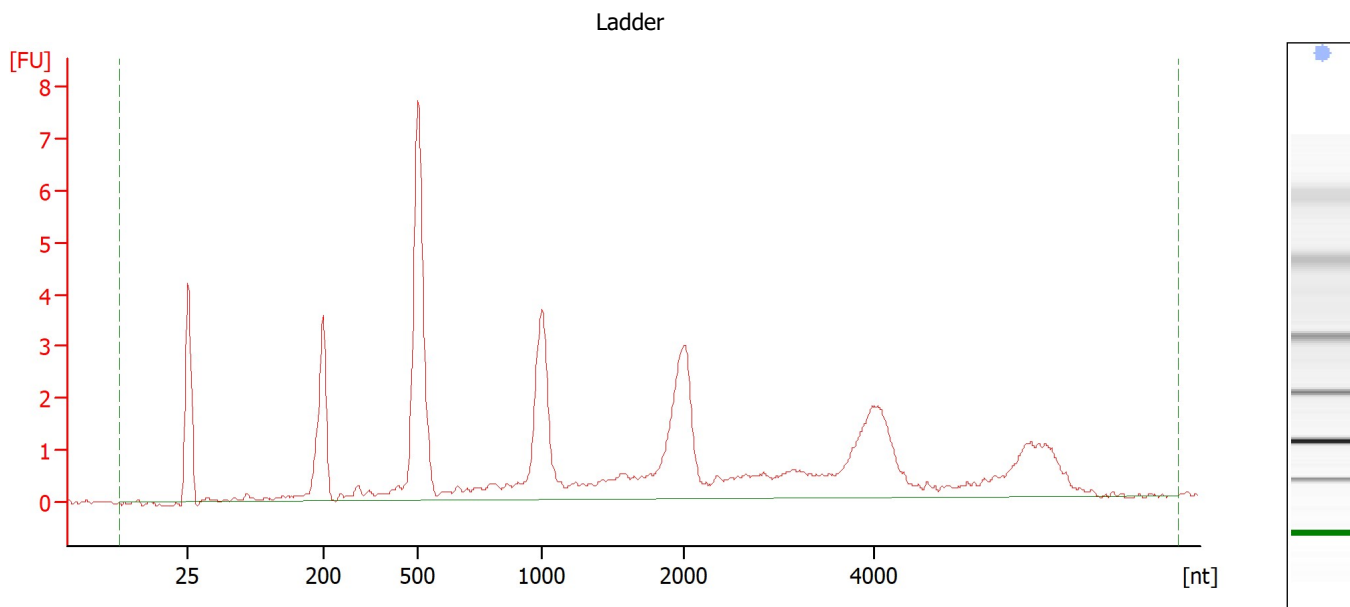
Ladder

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_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary



Overall Results for Ladder

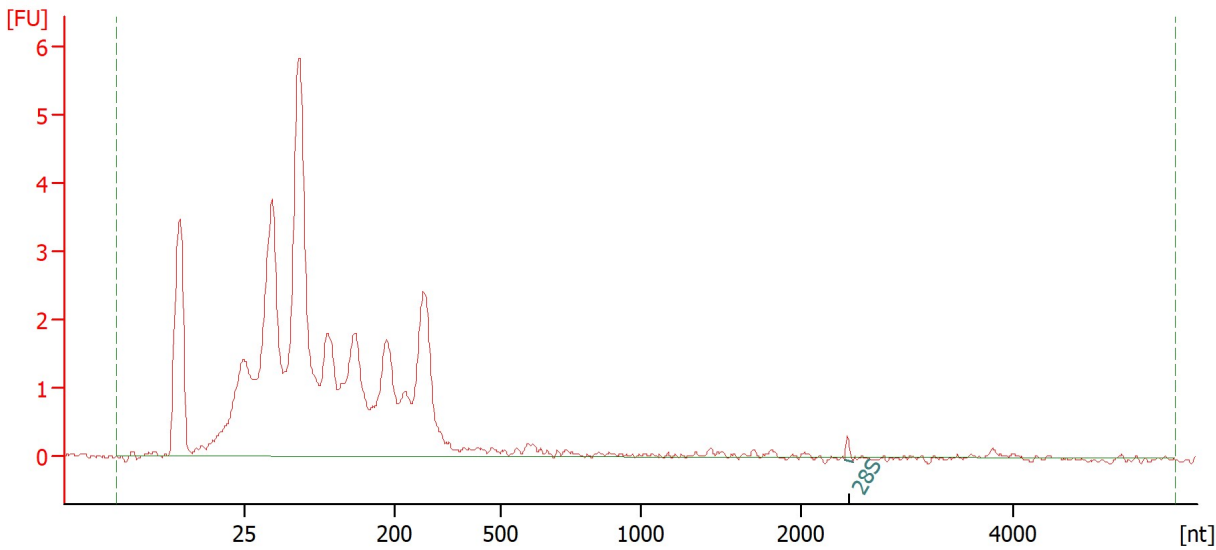
RNA Area:	59.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...

786_C2_T3 (1:4) [TAG0291-21]



Overall Results for sample 1 : 786_C2_T3 (1:4)

RNA Area:	61.4	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	1,030 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

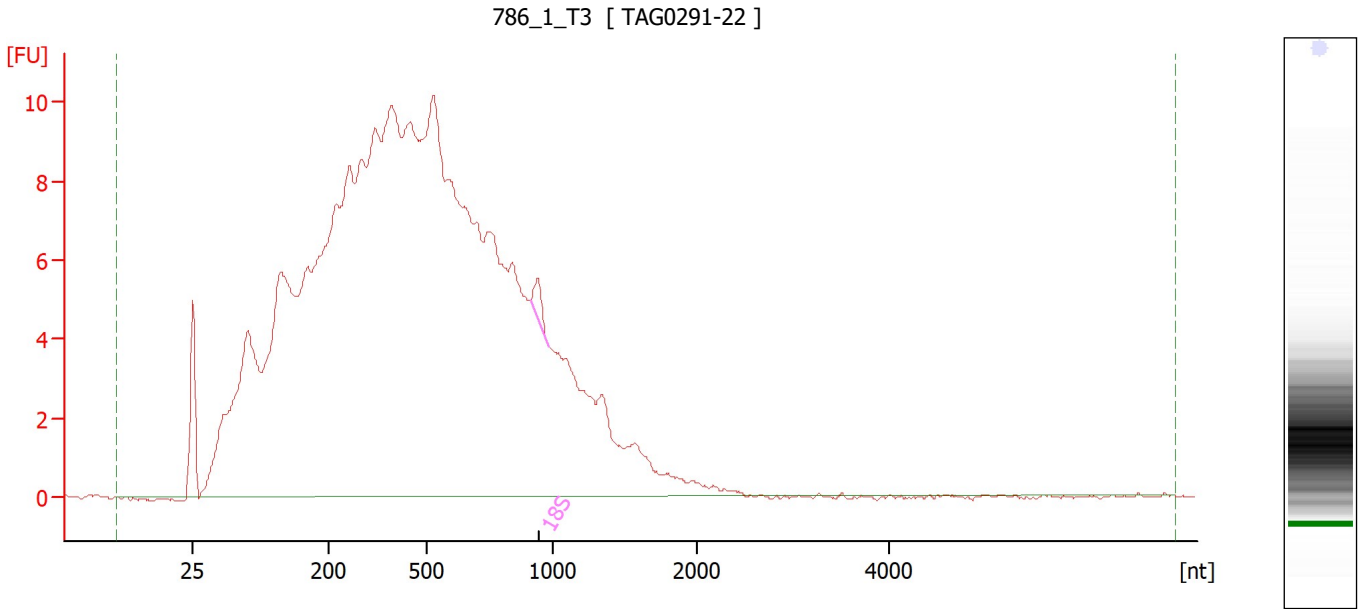
Fragment table for sample 1 : 786_C2_T3 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,418	2,488	0.1	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 786_1_T3

RNA Area:	343.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	5,766 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

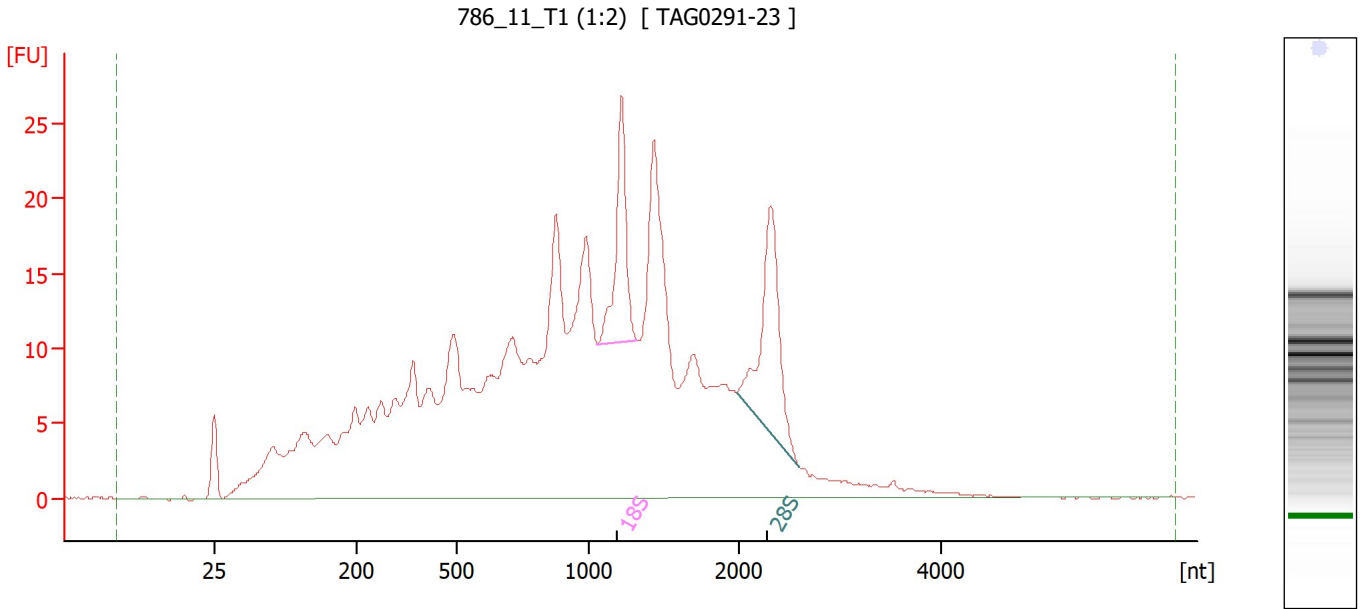
Fragment table for sample 2 : 786_1_T3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	914	986	1.0	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 786 11 T1 (1:2)

RNA Area:	578.4	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	9,710 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 4.50

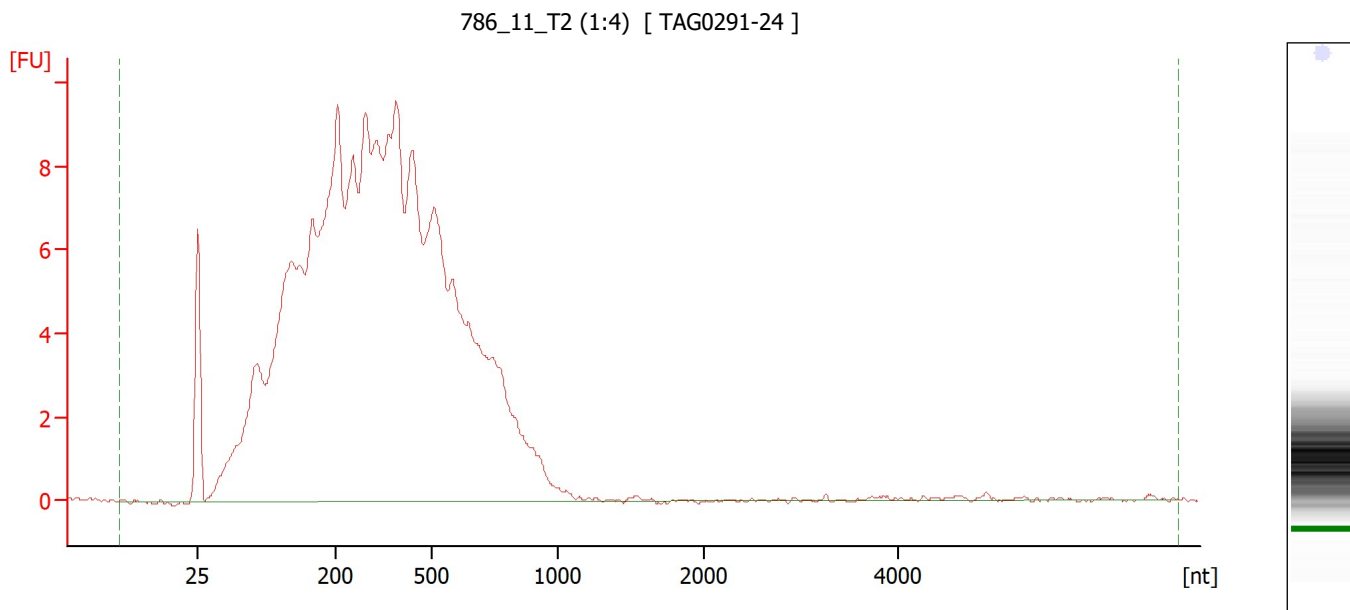
Fragment table for sample 3 : 786 11 T1 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,059	1,321	20.8	3.6
28S	1,981	2,598	29.0	5.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



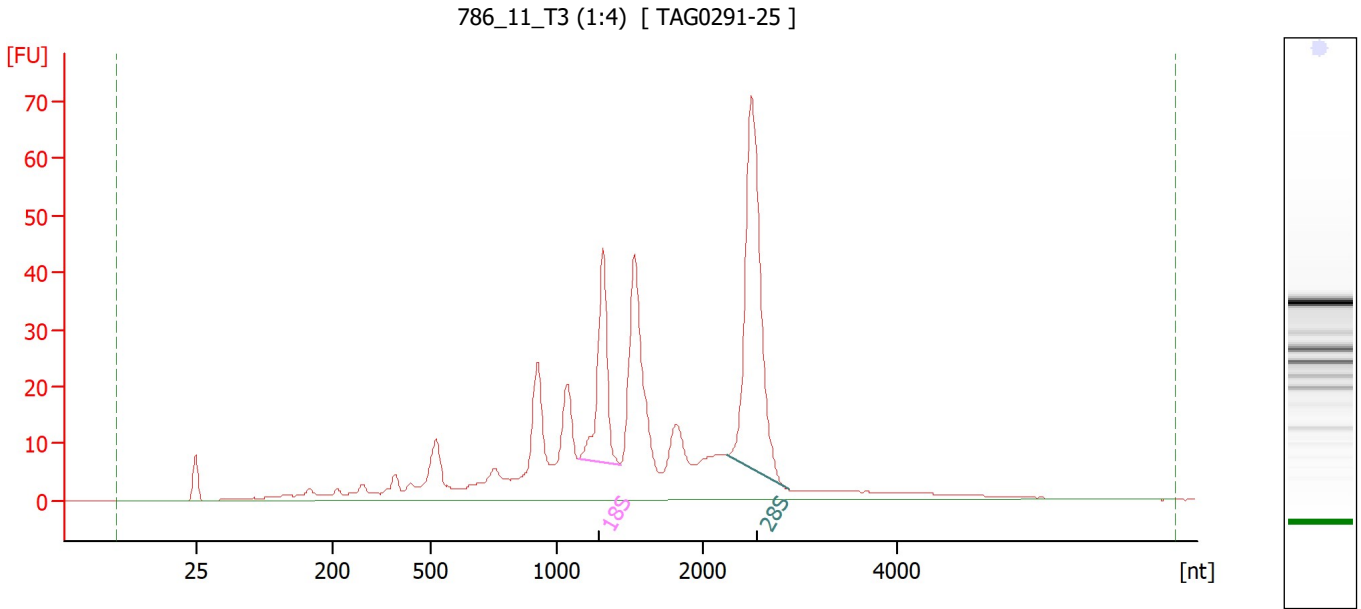
Overall Results for sample 4 : 786_11_T2 (1:4)

RNA Area:	247.4	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	4,153 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 786 11 T3 (1:4)

RNA Area:	549.2	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	9,219 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 7.70

Fragment table for sample 5 : 786 11 T3 (1:4)

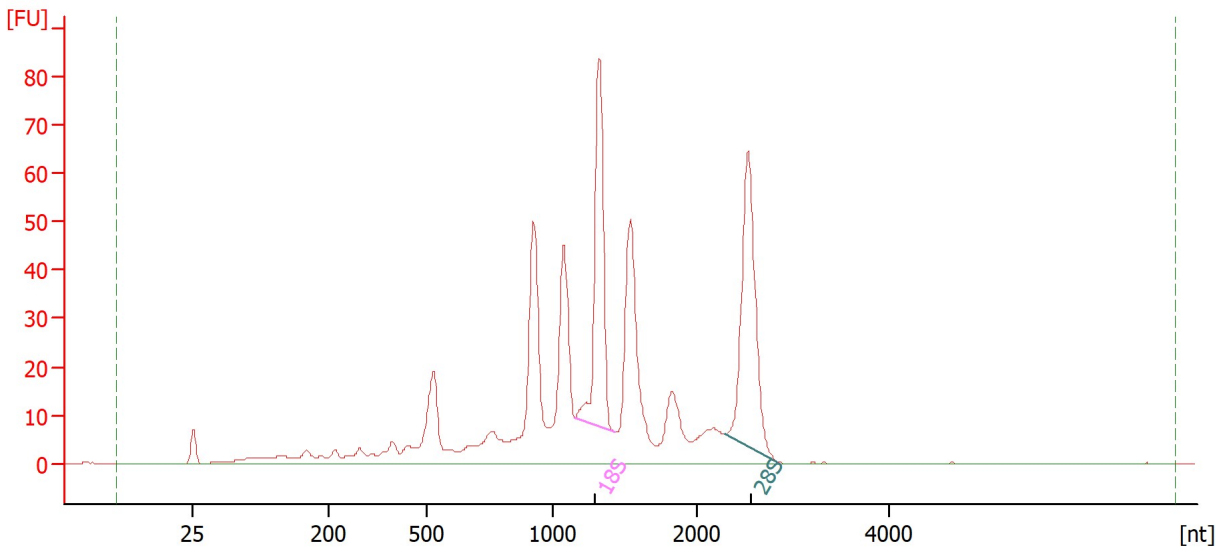
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,144	1,431	45.5	8.3
28S	2,239	2,877	110.0	20.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...

786_3_D1_T1 (1:2) [TAG0291-26]



Overall Results for sample 6 : 786_3_D1_T1 (1:2)

RNA Area:	628.8	RNA Integrity Number (RIN):	6.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	10,557 pg/μl		
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.50

Fragment table for sample 6 : 786_3_D1_T1 (1:2)

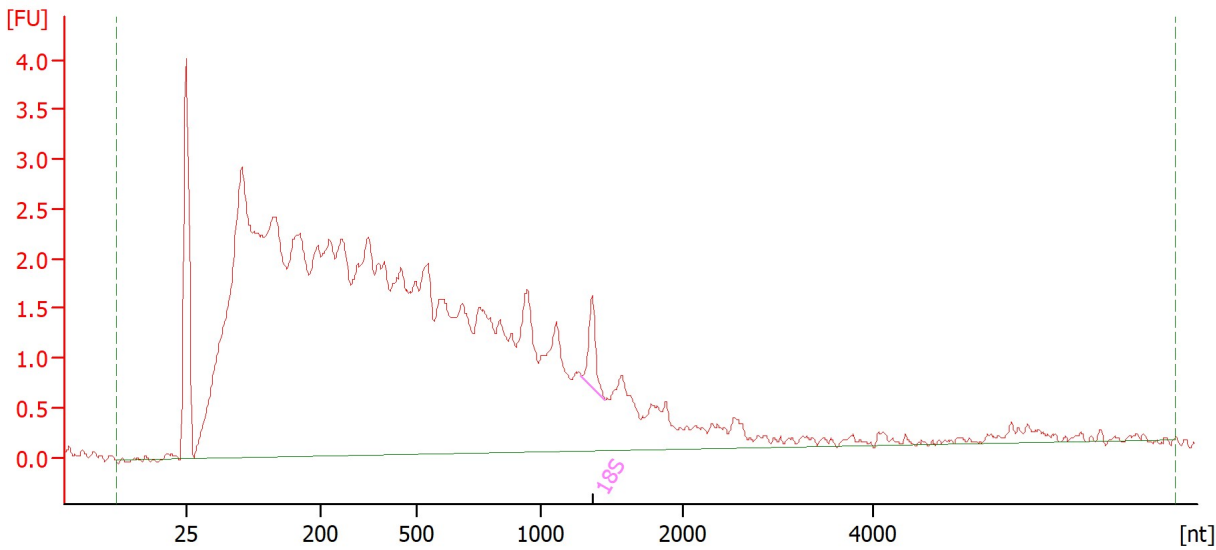
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,162	1,436	82.4	13.1
28S	2,297	2,839	90.9	14.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...

786_3_D1_T2 [TAG0291-27]



Overall Results for sample 7 : 786 3 D1 T2

RNA Area:	104.1	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	1,748 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

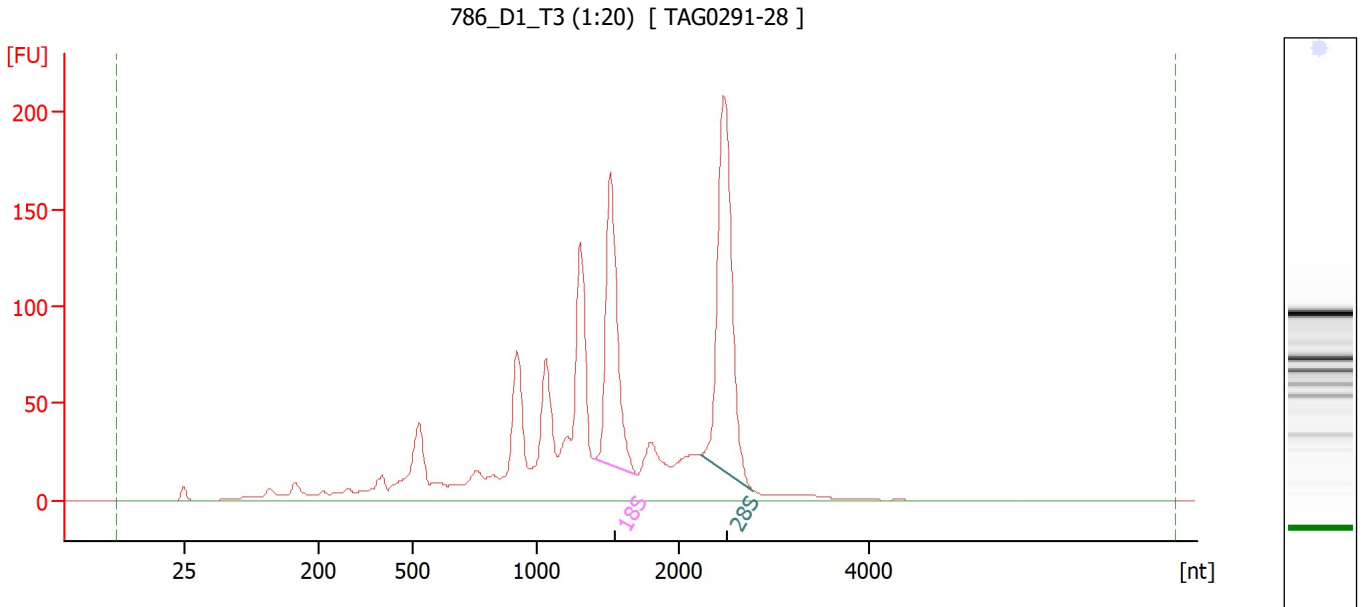
Fragment table for sample 7 : 786 3 D1 T2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,287	1,452	0.8	0.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 786 D1 T3 (1:20)

RNA Area:	1,650.6	RNA Integrity Number (RIN):	6.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	27,711 pg/μl		
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.80

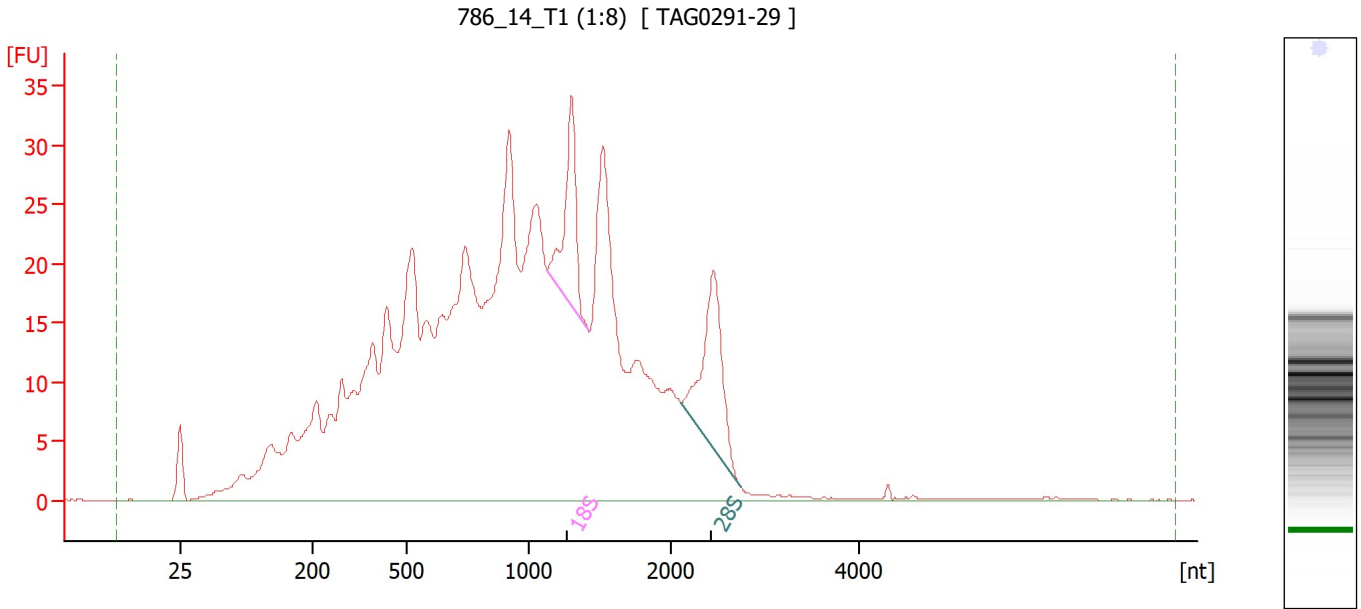
Fragment table for sample 8 : 786 D1 T3 (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,698	218.5	13.2
28S	2,225	2,788	312.7	18.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 786 14 T1 (1:8)

RNA Area: 862.5 RNA Integrity Number (RIN): 4 (B.02.10)
 RNA Concentration: 14,480 pg/µl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN:4

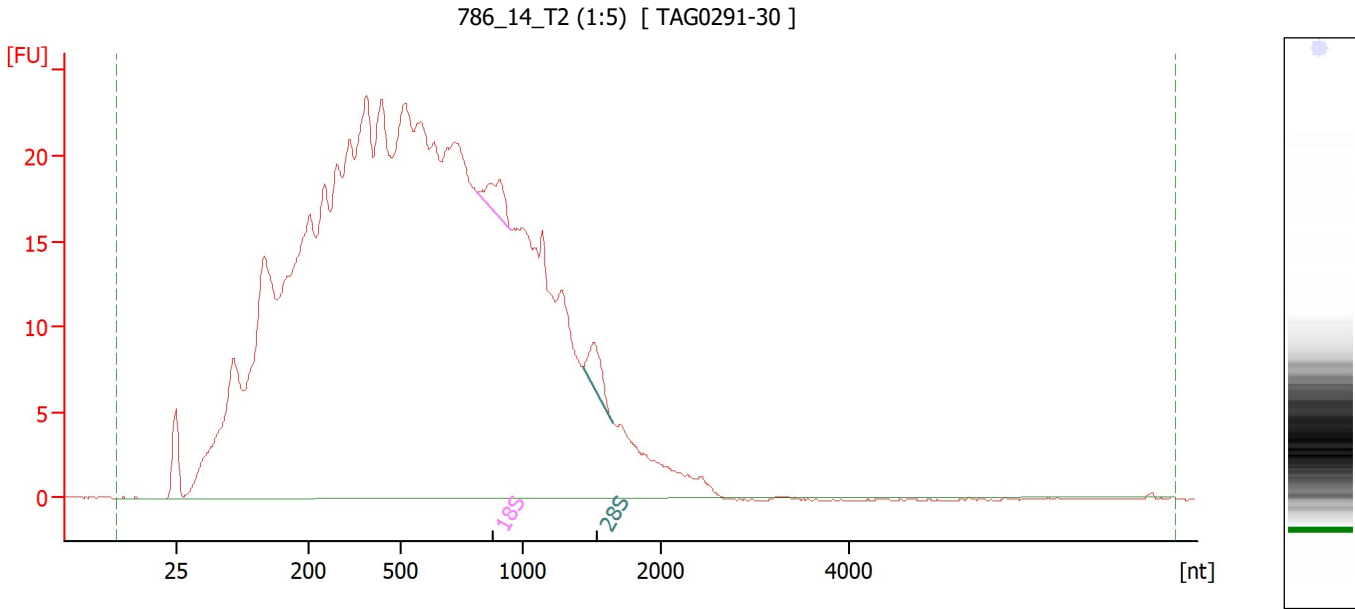
Fragment table for sample 9 : 786 14 T1 (1:8)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,126	1,415	25.4	2.9
28S	2,103	2,751	32.7	3.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 786 14 T2 (1:5)

RNA Area:	902.4	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	15,149 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 2.20

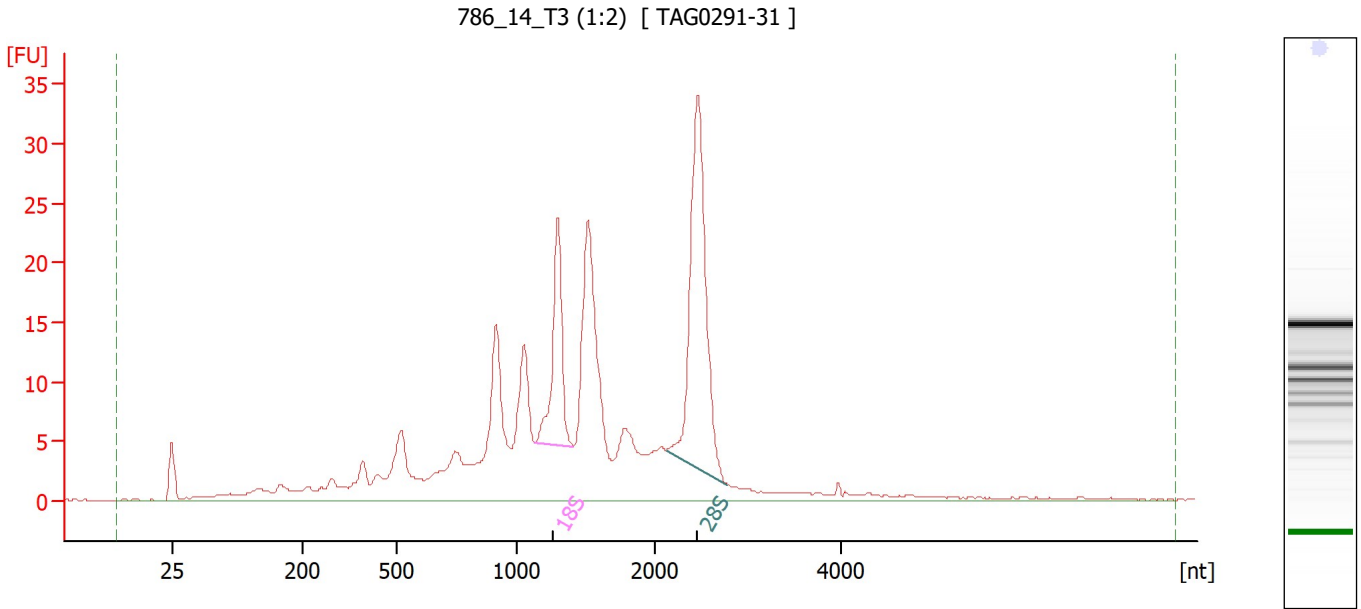
Fragment table for sample 10 : 786 14 T2 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	813	949	4.7	0.5
28S	1,433	1,648	4.5	0.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 786 14 T3 (1:2)

RNA Area:	332.6	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	5,584 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 7.20

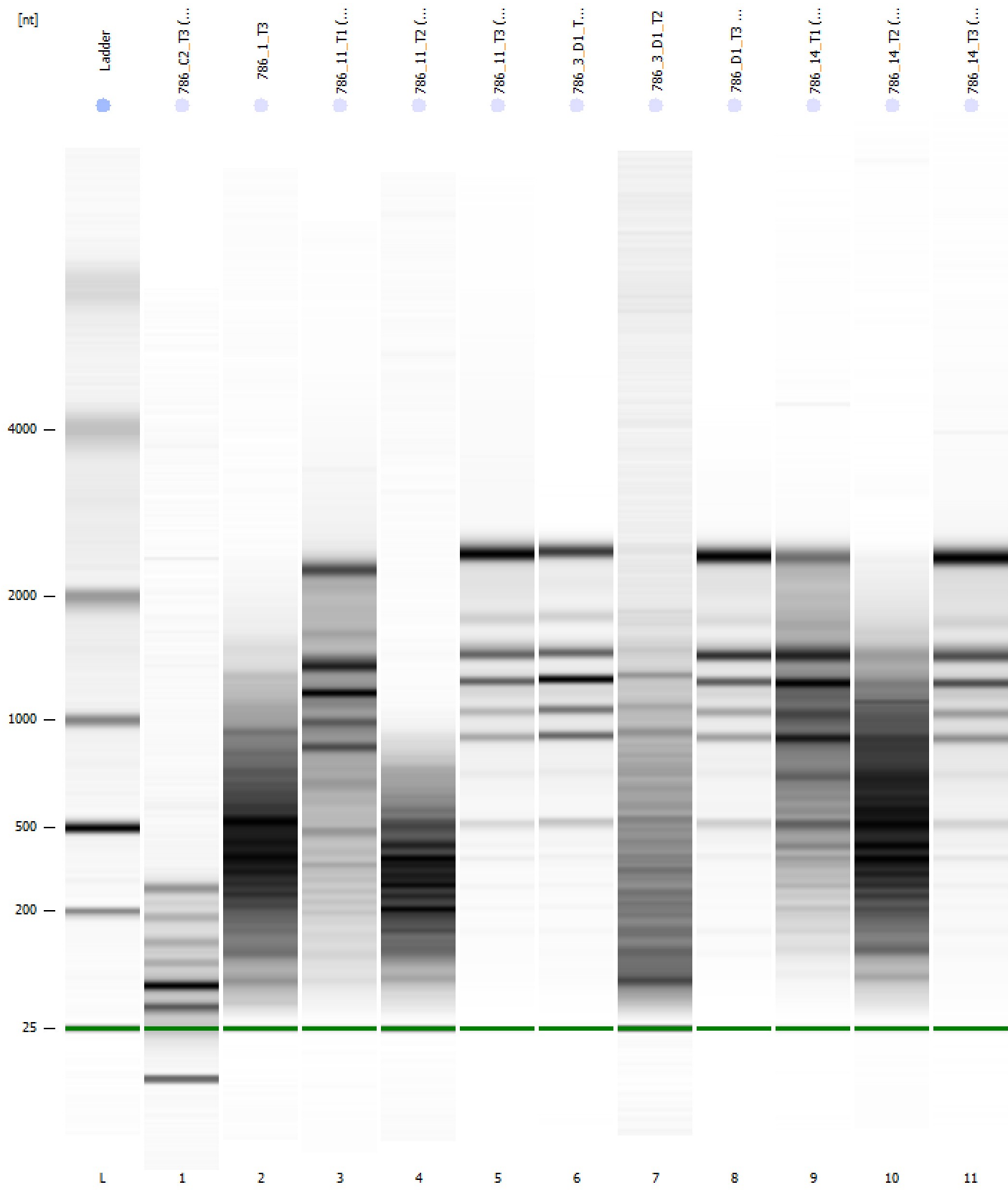
Fragment table for sample 11 : 786 14 T3 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,129	1,407	24.6	7.4
28S	2,118	2,776	56.1	16.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
Modified: 9/24/2024 11:52:48 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad

Created: 9/24/2024 11:29:12 AM
 Modified: 9/24/2024 11:52:48 AM

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		9/24/2024 11:51:09 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\2024-09-24\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-09-24_002.xad)		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/24/2024 11:29:13 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB