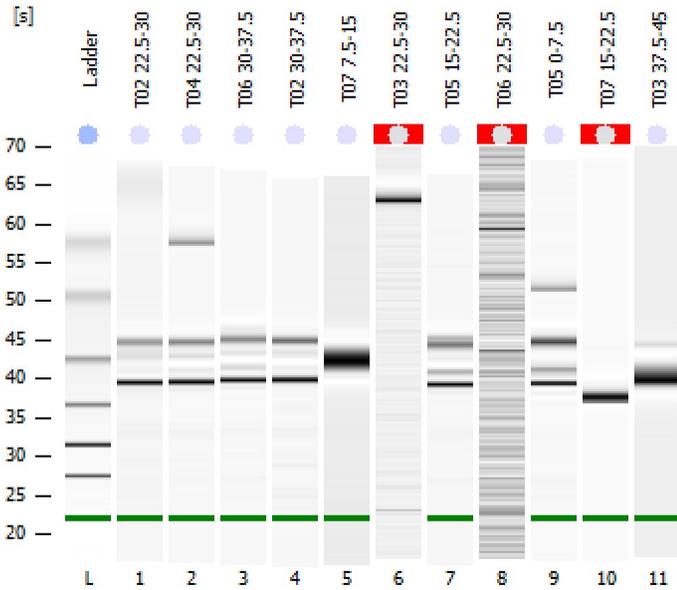


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

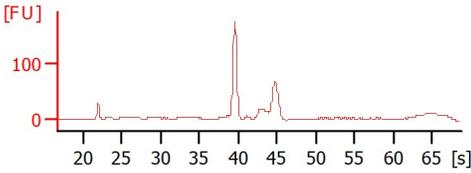
Assay Information:

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.

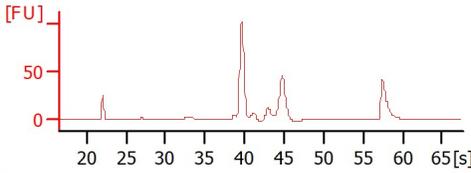
Chip Information:

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

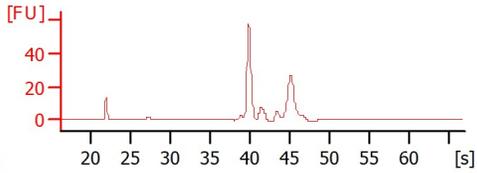
T02 22.5-30
RIN: 8.10



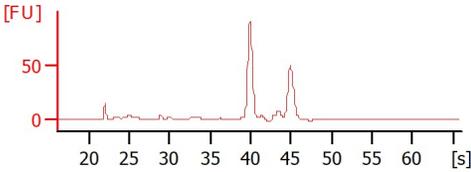
T04 22.5-30
RIN: 7.90



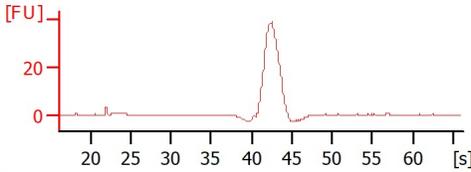
T06 30-37.5
RIN: 8



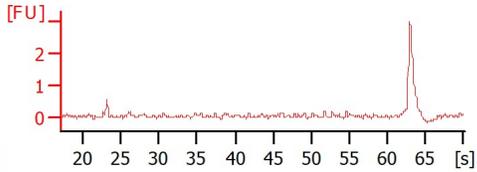
T02 30-37.5
RIN: 8.20



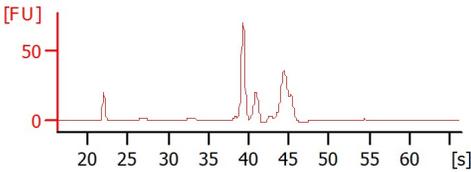
T07 7.5-15
RIN: 10



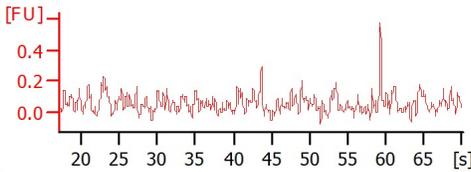
T03 22.5-30
RIN N/A



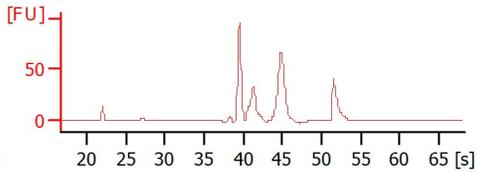
T05 15-22.5
RIN: 8.30



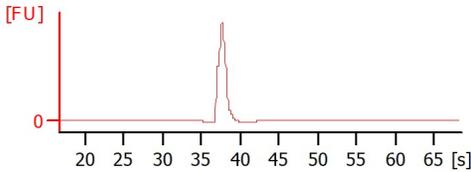
T06 22.5-30
RIN N/A



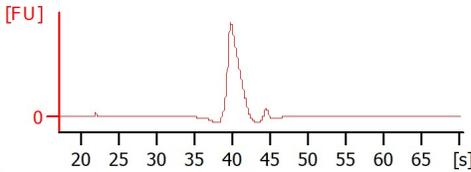
T05 0-7.5
RIN: 8.10



T07 15-22.5
RIN N/A



T03 37.5-45
RIN: 10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
T02 22.5-30		✓	RIN: 8.10	
T04 22.5-30		✓	RIN: 7.90	
T06 30-37.5		✓	RIN:8	
T02 30-37.5		✓	RIN: 8.20	
T07 7.5-15		✓	RIN:10	
T03 22.5-30		✓	RIN N/A	
T05 15-22.5		✓	RIN: 8.30	
T06 22.5-30		✓	RIN N/A	
T05 0-7.5		✓	RIN: 8.10	
T07 15-22.5		✓	RIN N/A	
T03 37.5-45		✓	RIN:10	
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_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 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

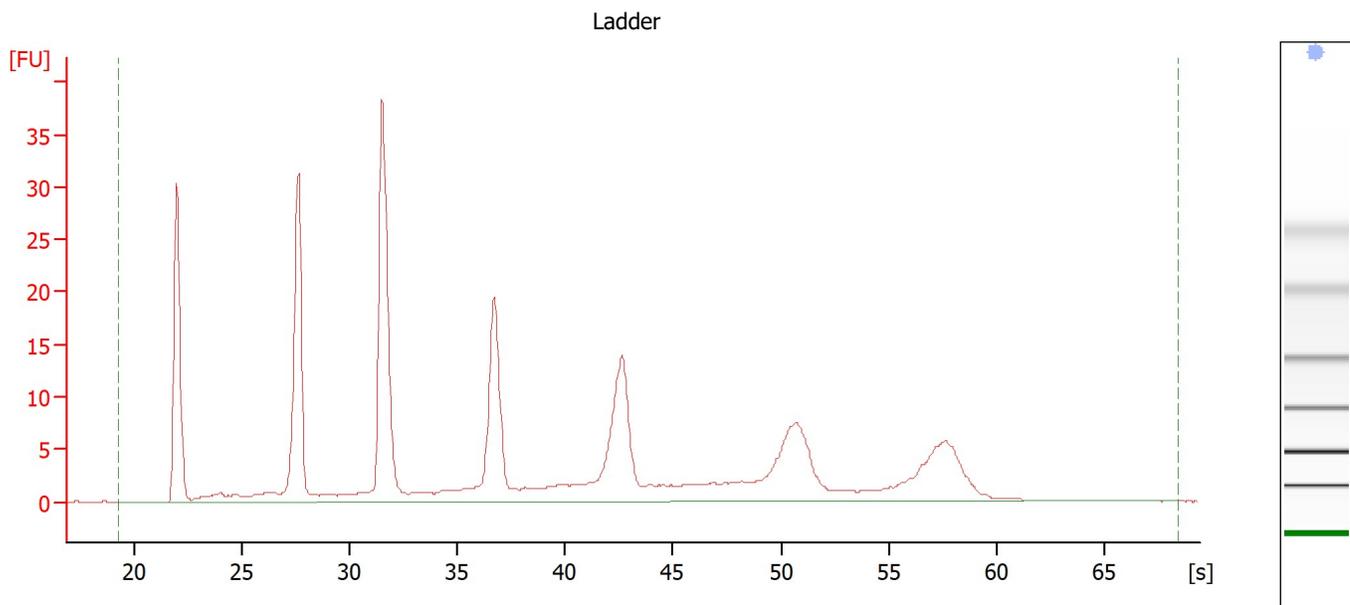
Ladder

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_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary



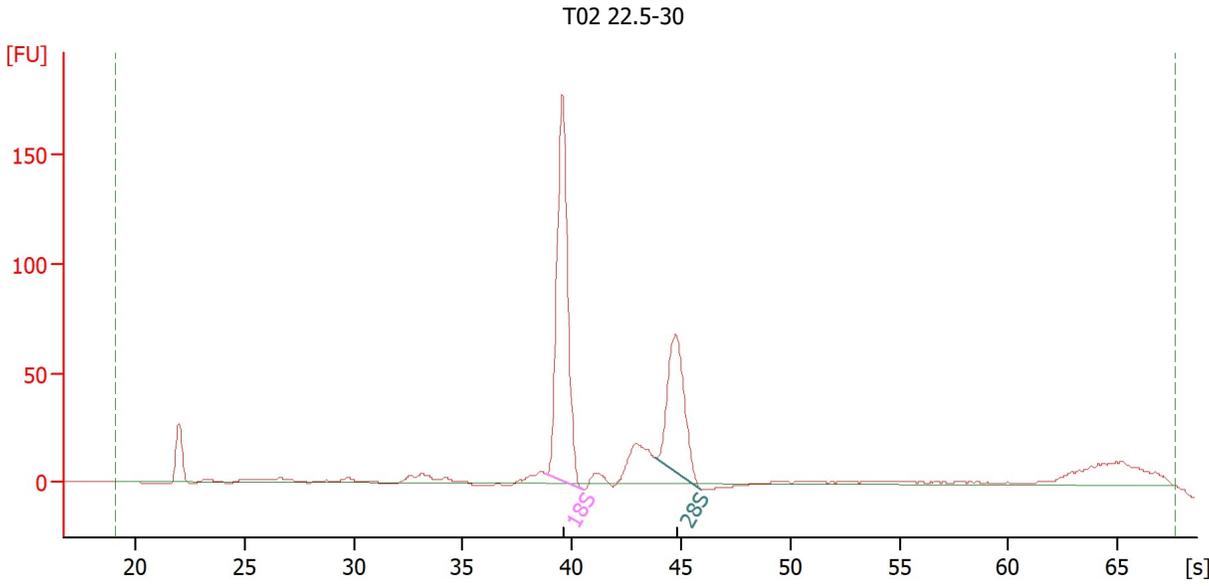
Overall Results for Ladder

RNA Area:	280.6	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_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : T02 22.5-30

RNA Area:	622.2	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,217 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 8.10

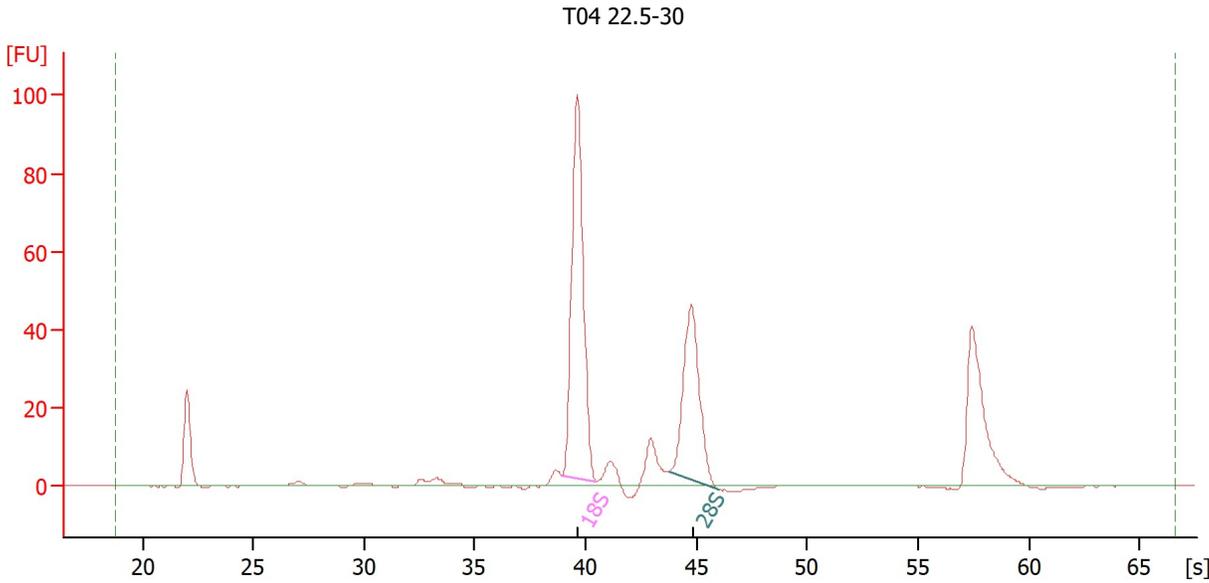
Fragment table for sample 1 : T02 22.5-30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,354	1,653	255.6	41.1
28S	2,307	2,816	124.6	20.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : T04 22.5-30

RNA Area:	357.4	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,274 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.90

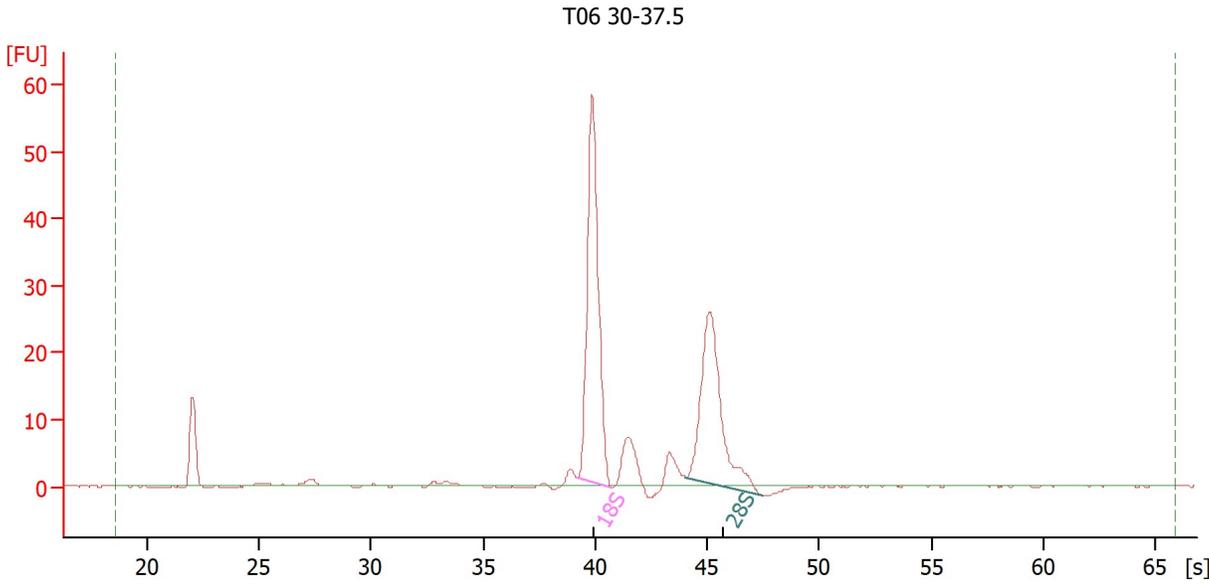
Fragment table for sample 2 : T04 22.5-30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,637	148.0	41.4
28S	2,283	2,845	83.8	23.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : T06 30-37.5

RNA Area:	173.6	RNA Integrity Number (RIN):	8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	619 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN:8

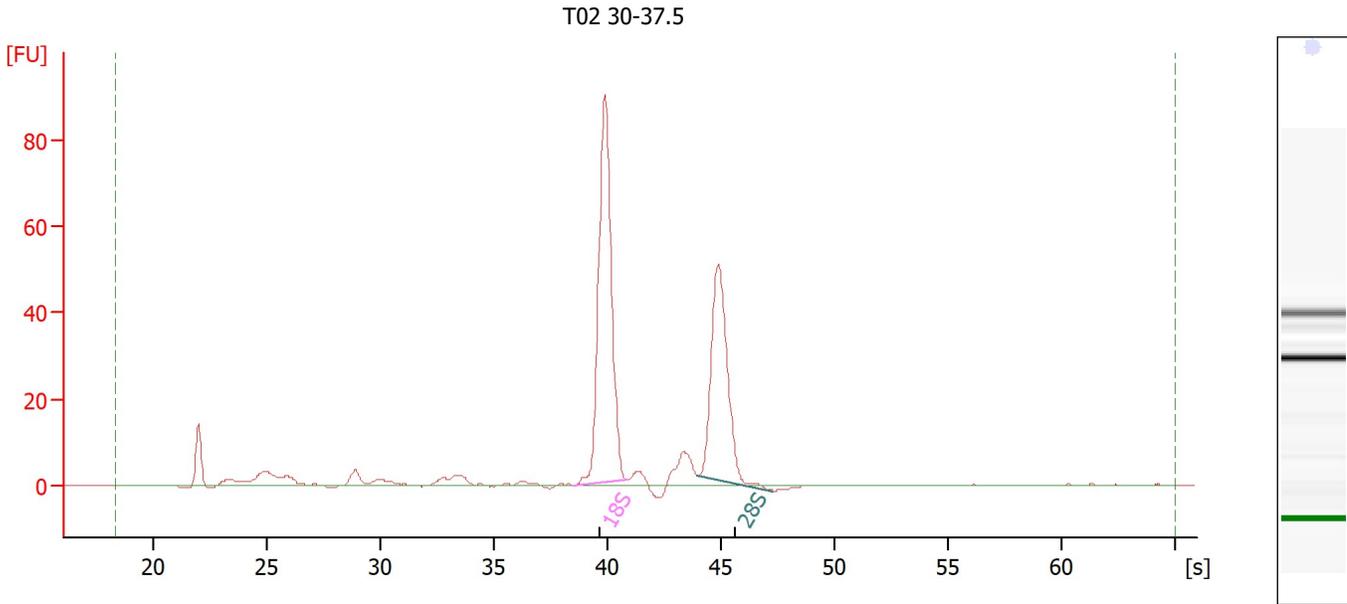
Fragment table for sample 3 : T06 30-37.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,425	1,684	83.0	47.8
28S	2,355	3,194	60.2	34.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : T02 30-37.5

RNA Area:	305.6	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,089 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 8.20

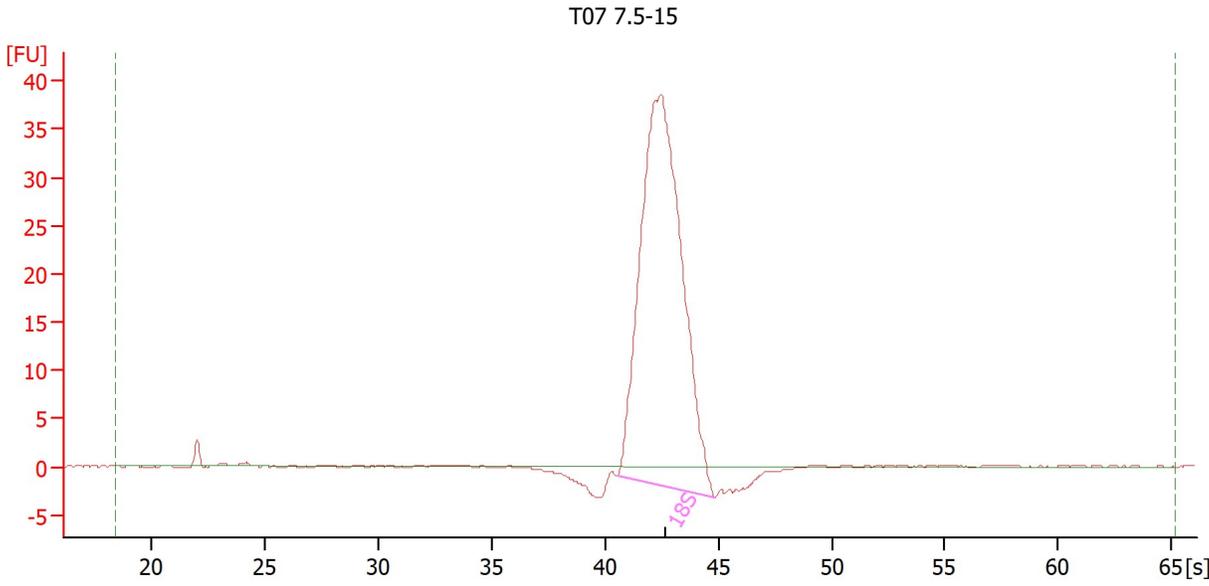
Fragment table for sample 4 : T02 30-37.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,308	1,707	148.0	48.4
28S	2,343	3,171	92.1	30.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : T07 7.5-15

RNA Area:	187.6	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	668 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:10

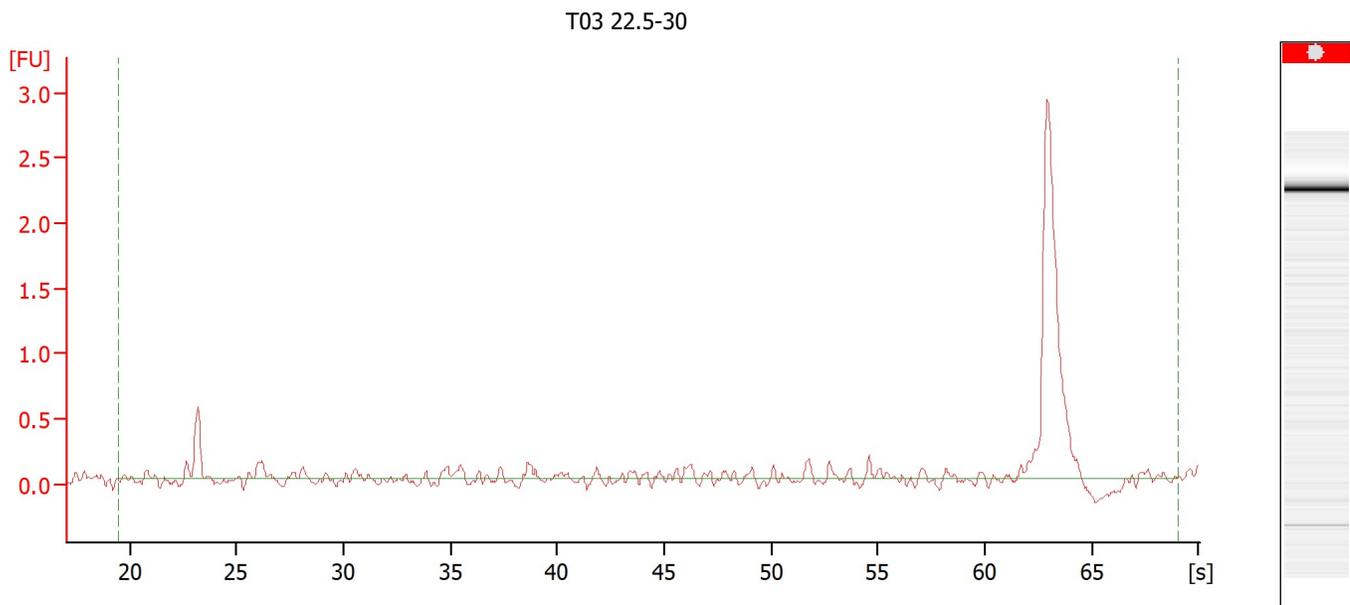
Fragment table for sample 5 : T07 7.5-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	2,565	204.8	109.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



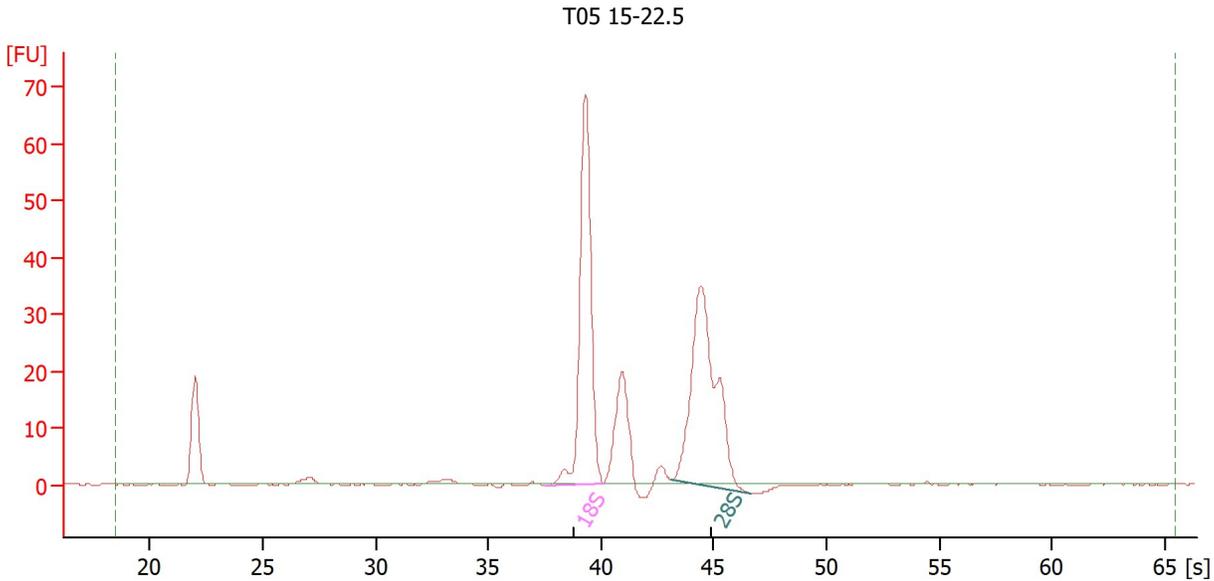
Overall Results for sample 6 : T03 22.5-30

RNA Concentration:	23 pg/ μ l	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : T05 15-22.5

RNA Area:	242.9	RNA Integrity Number (RIN):	8.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	866 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

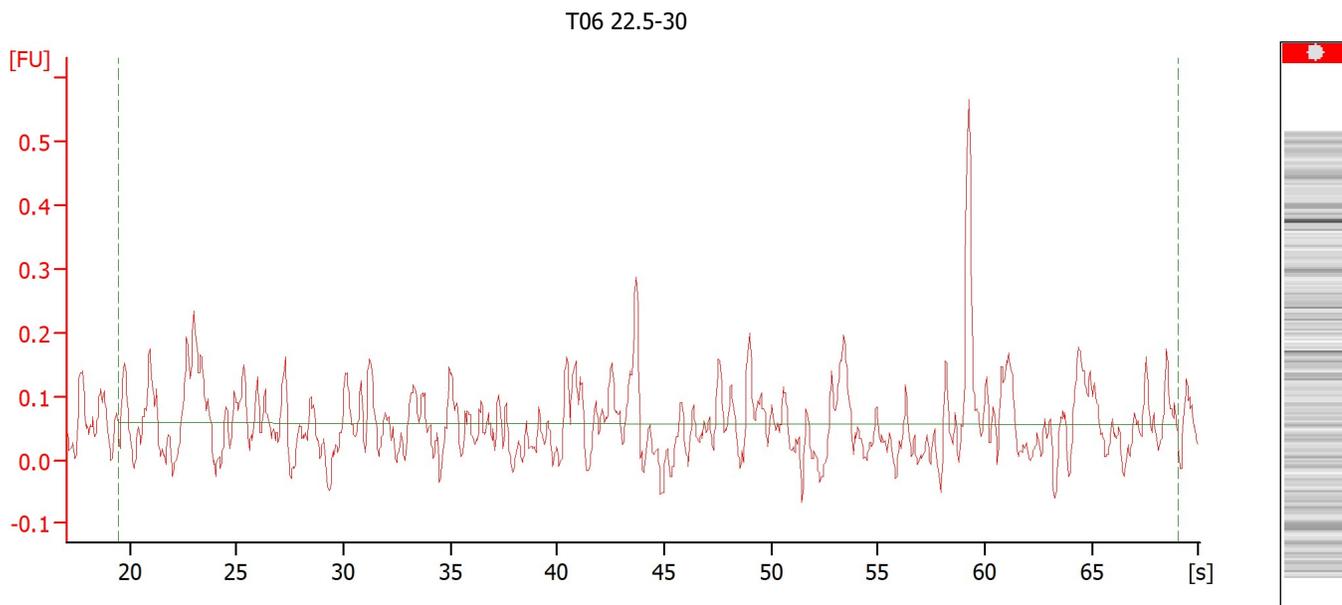
Fragment table for sample 7 : T05 15-22.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,141	1,567	98.6	40.6
28S	2,120	3,001	100.9	41.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



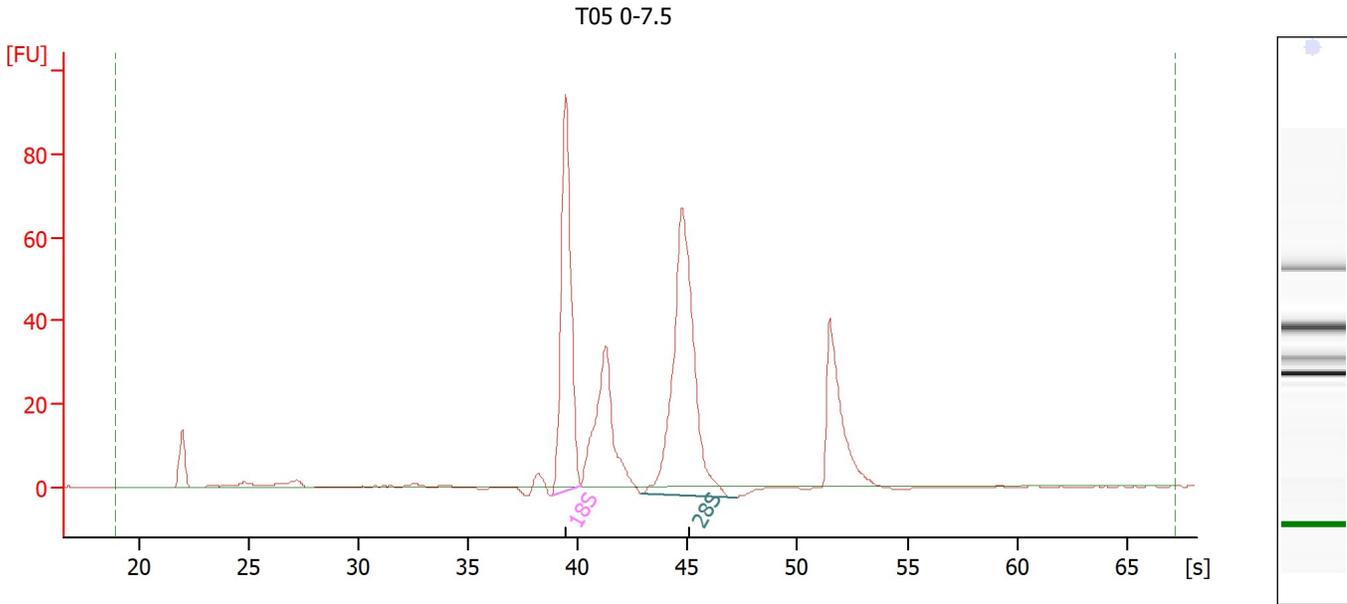
Overall Results for sample 8 : T06 22.5-30

RNA Concentration:	10 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : T05 0-7.5

RNA Area:	422.5	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,506 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.10

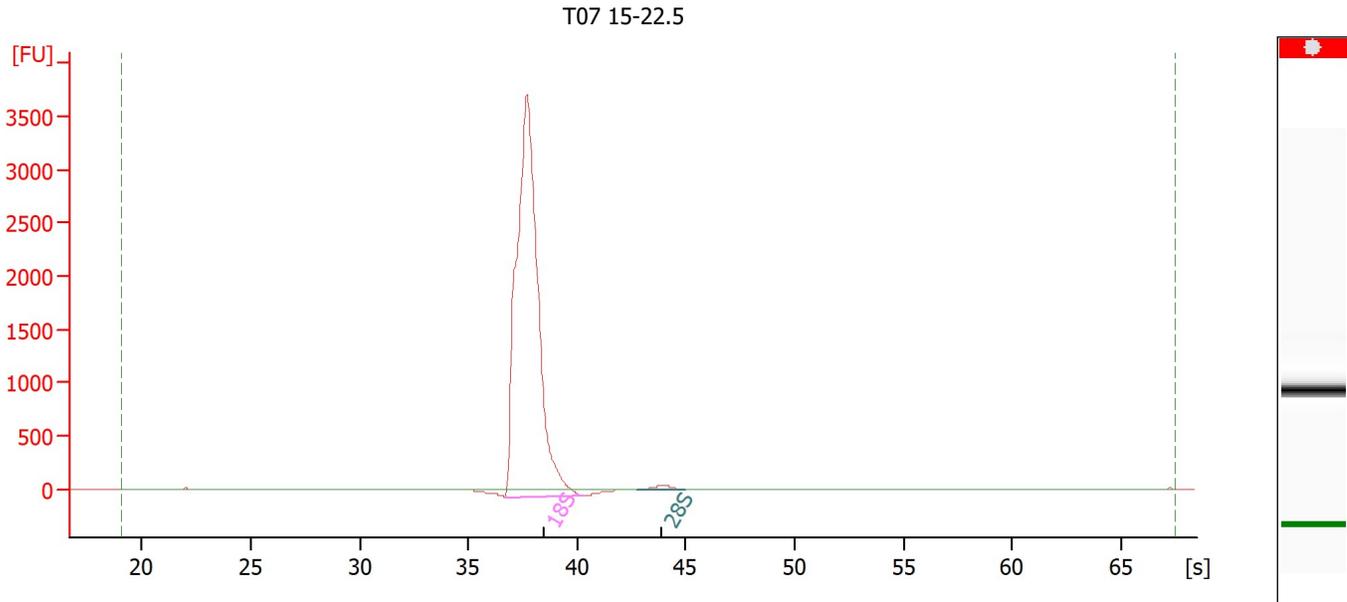
Fragment table for sample 9 : T05 0-7.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,352	1,583	125.8	29.8
28S	2,078	3,139	169.3	40.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : T07 15-22.5

RNA Area:	10,975.0	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39,109 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

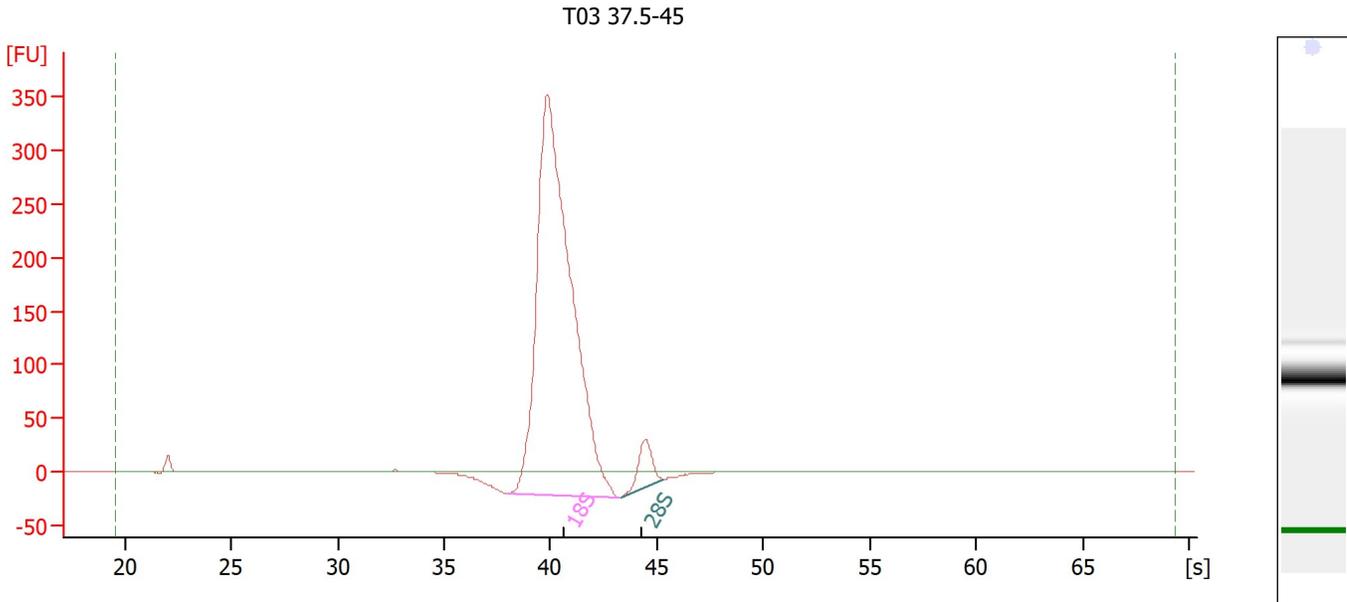
Fragment table for sample 10 : T07 15-22.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	999	1,613	11,541.0	105.2
28S	2,028	2,573	63.4	0.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : T03 37.5-45

RNA Area:	1,522.7	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,426 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:10

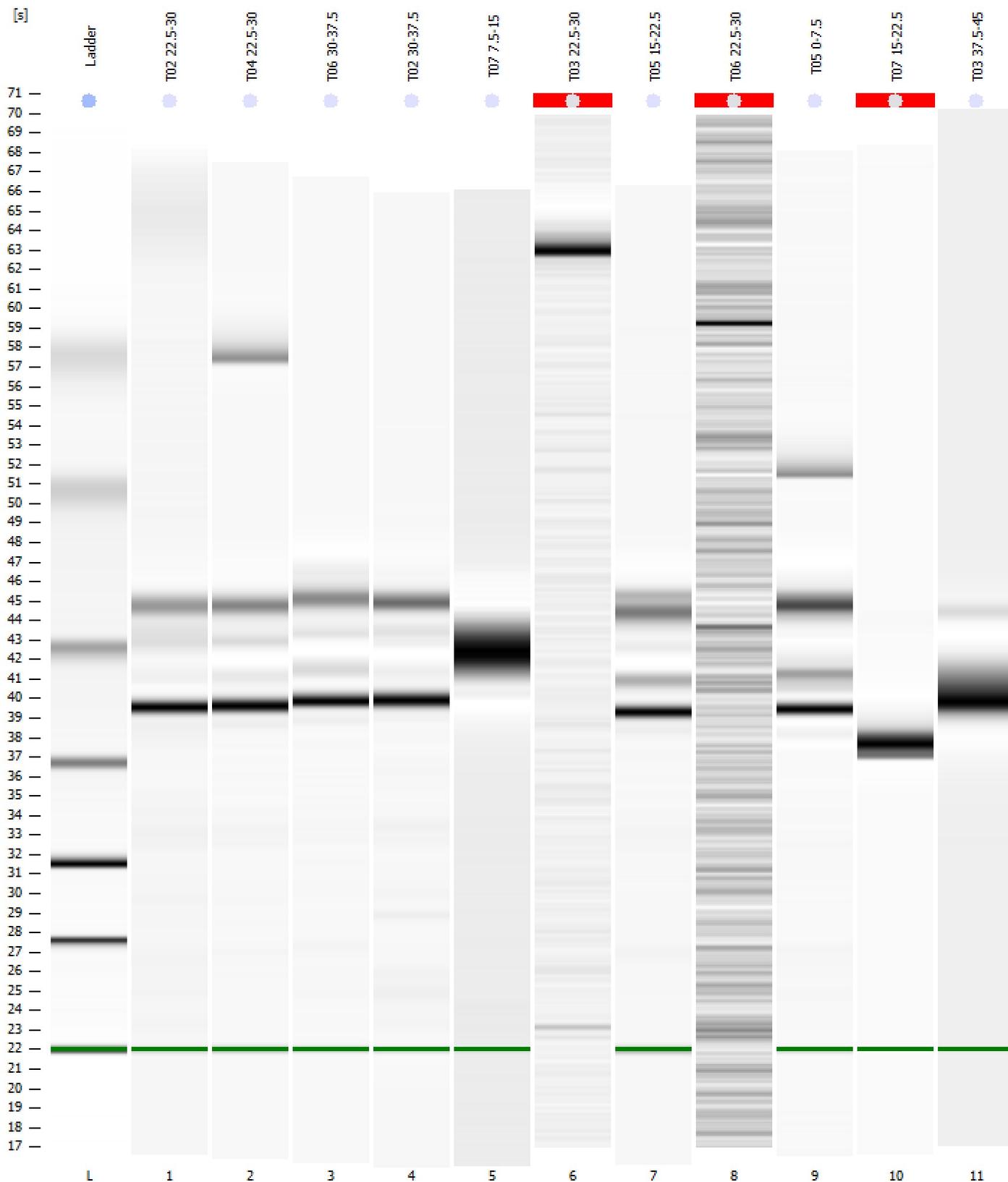
Fragment table for sample 11 : T03 37.5-45

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,213	2,144	1,719.6	112.9
28S	2,169	2,666	76.3	5.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Gel Image

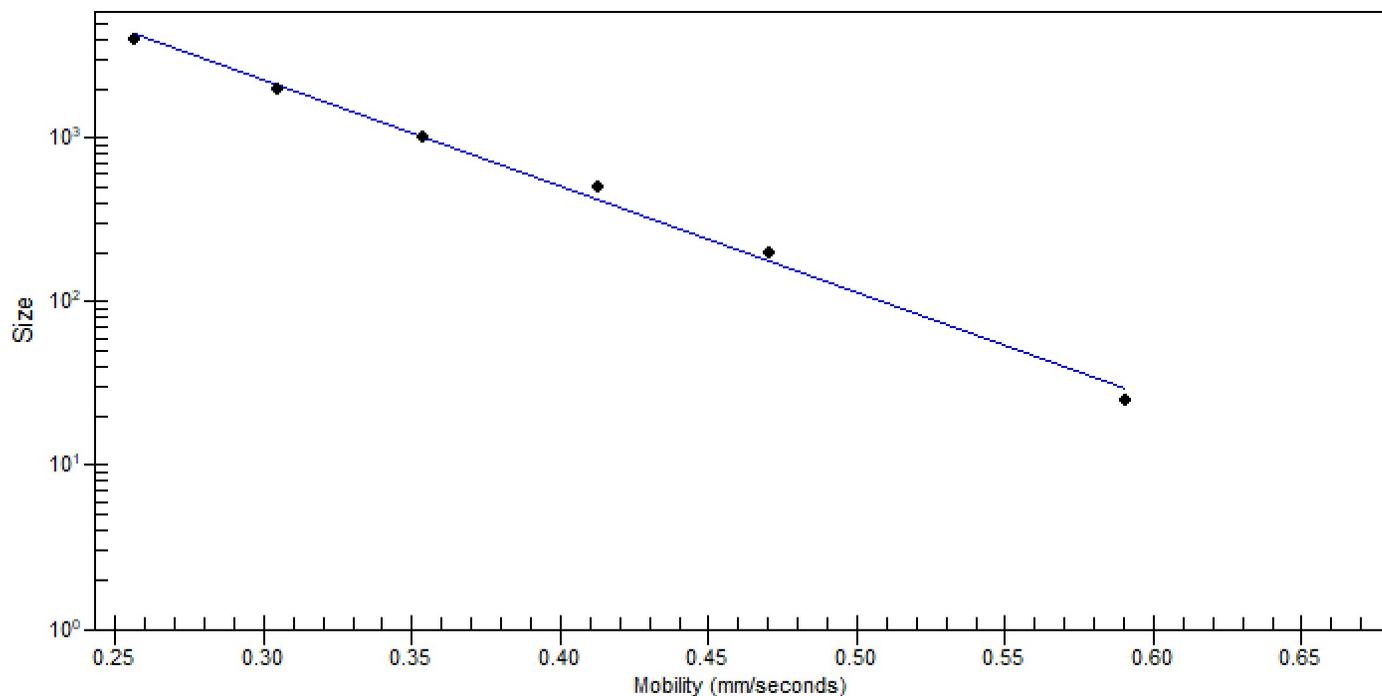


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
Modified: 10/10/2023 3:34:21 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad

Created: 10/10/2023 2:51:13 PM
 Modified: 10/10/2023 3:34:21 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
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Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-10\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-10_001.xad)		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/10/2023 2:51:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB