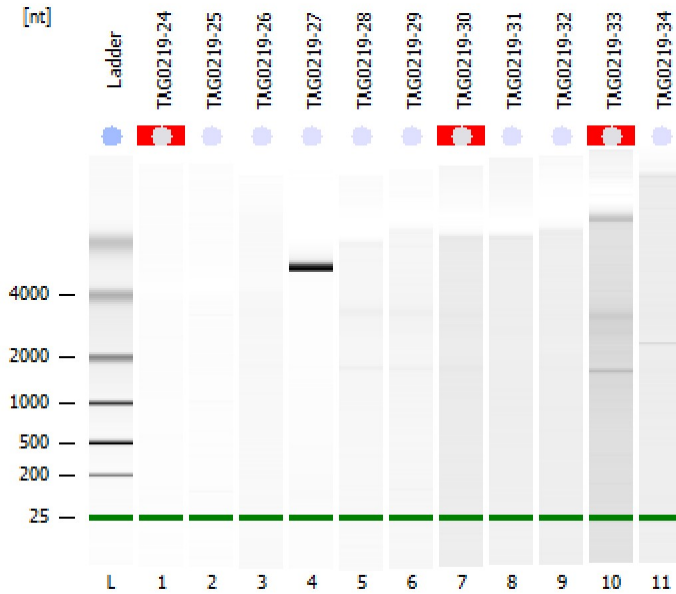


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Electrophoresis File Run Summary



Instrument Information:

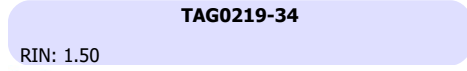
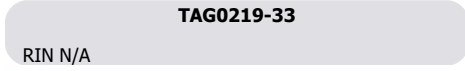
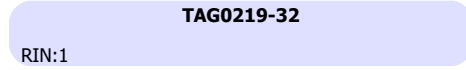
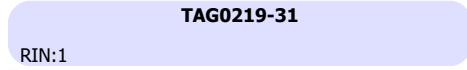
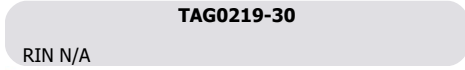
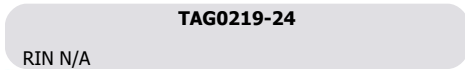
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0219-24		✓	RIN N/A	
TAG0219-25		✓	RIN:1	
TAG0219-26		✓	RIN:1	
TAG0219-27		✓	RIN: 1.20	
TAG0219-28		✓	RIN:3	
TAG0219-29		✓	RIN: 2.80	
TAG0219-30		✓	RIN N/A	
TAG0219-31		✓	RIN:1	
TAG0219-32		✓	RIN:1	
TAG0219-33		✓	RIN N/A	
TAG0219-34		✓	RIN: 1.50	
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_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 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

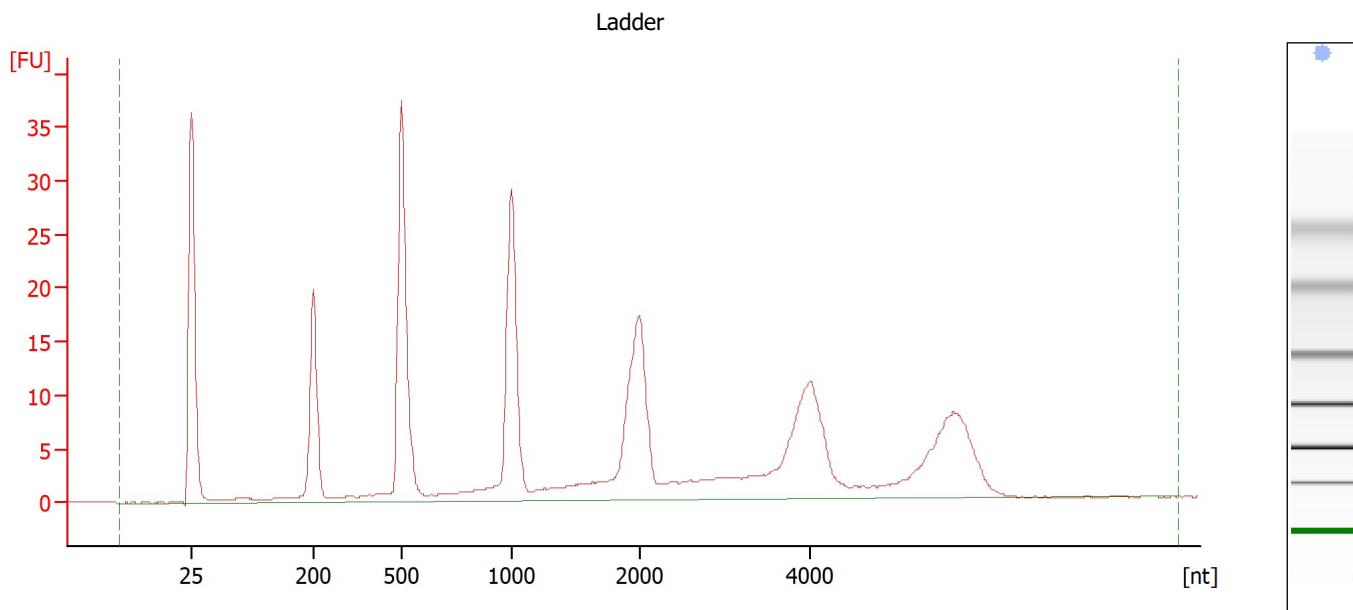
Ladder

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_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary



Overall Results for Ladder

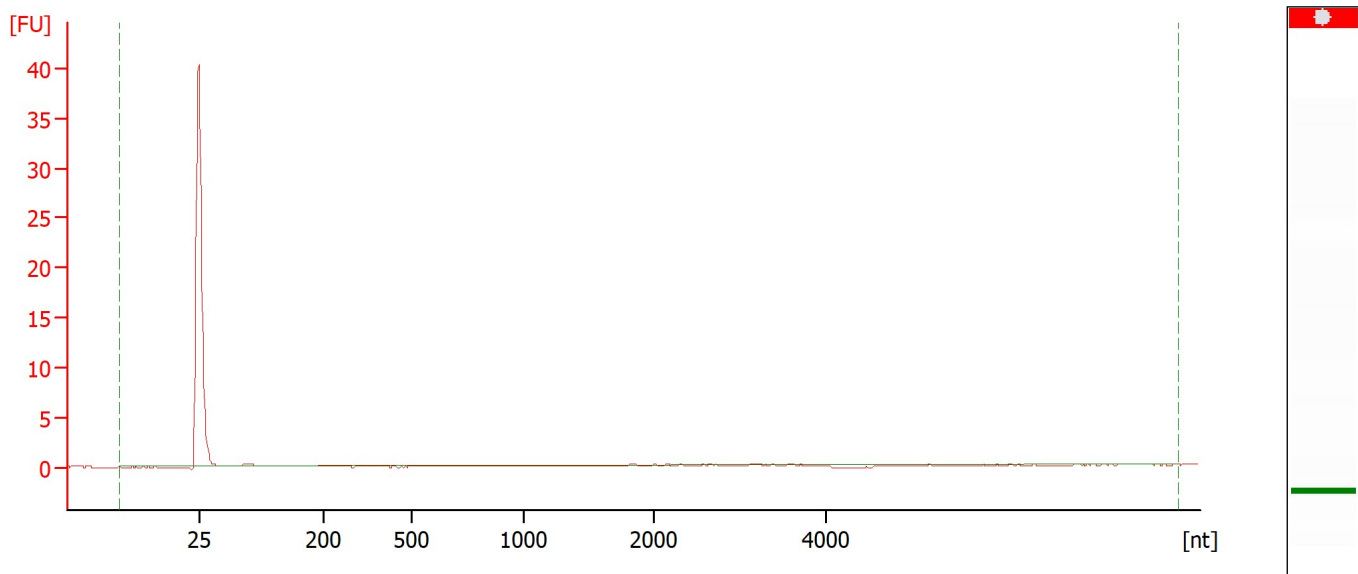
RNA Area:	292.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...

TAG0219-24



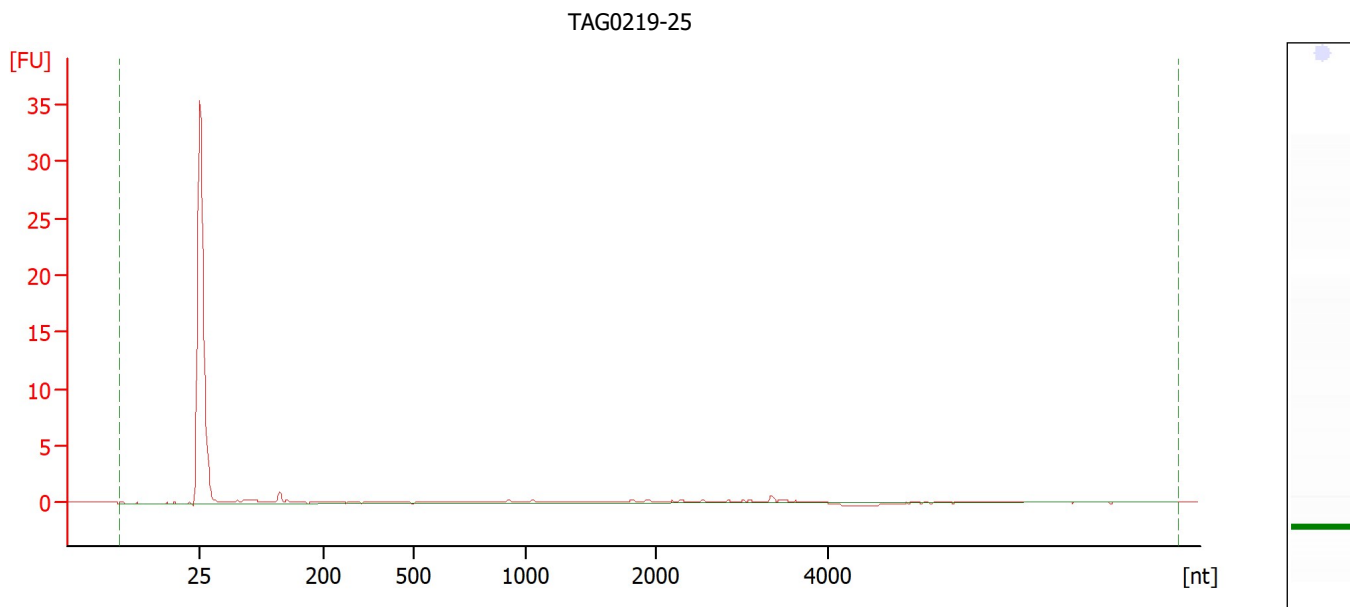
Overall Results for sample 1 : TAG0219-24

RNA Area:	1.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5 pg/μl	Result Flagging Color:	
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_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



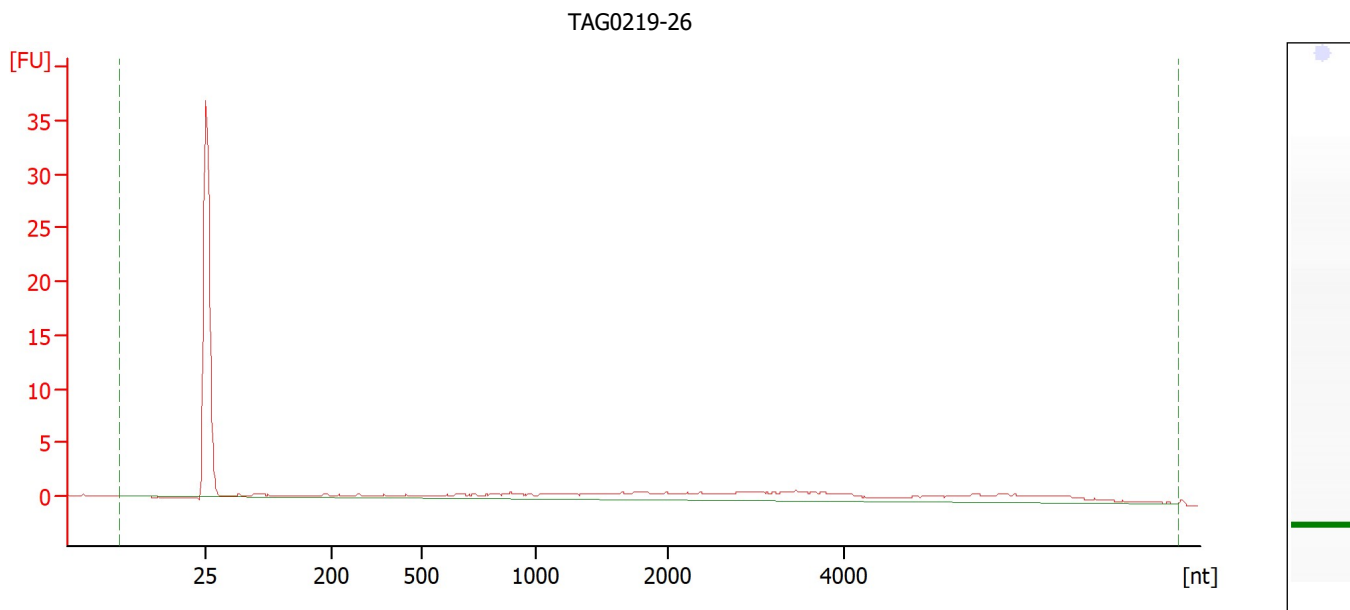
Overall Results for sample 2 : TAG0219-25

RNA Area:	6.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	23 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



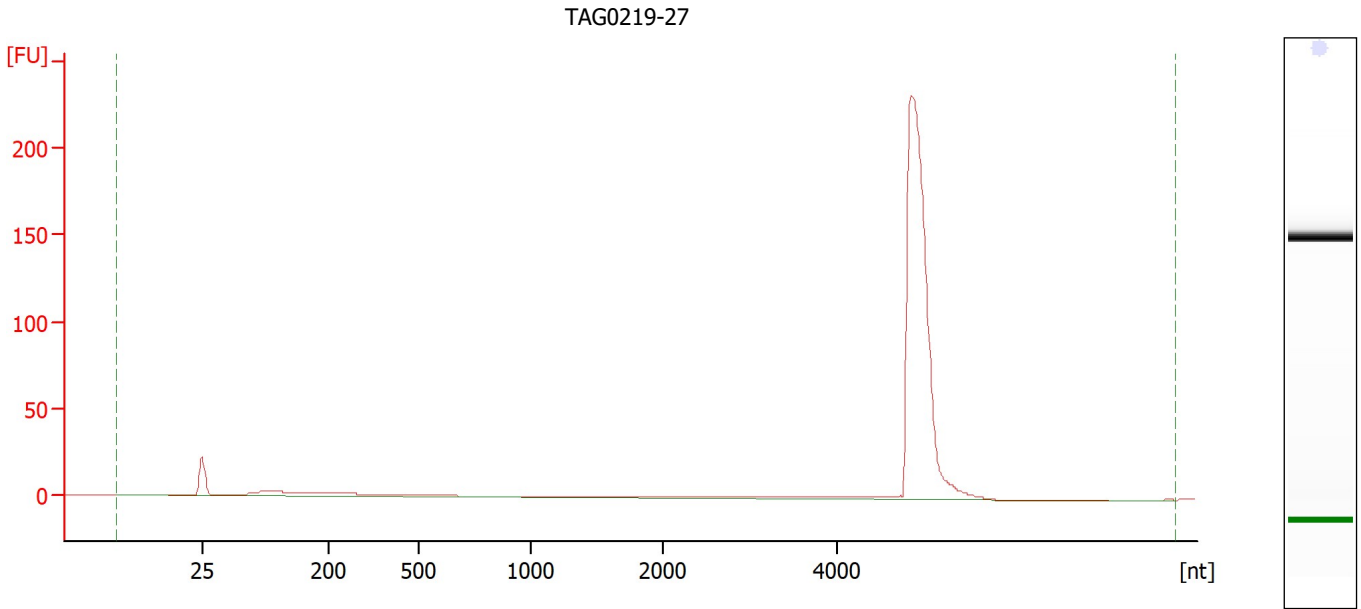
Overall Results for sample 3 : TAG0219-26

RNA Area:	43.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	150 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



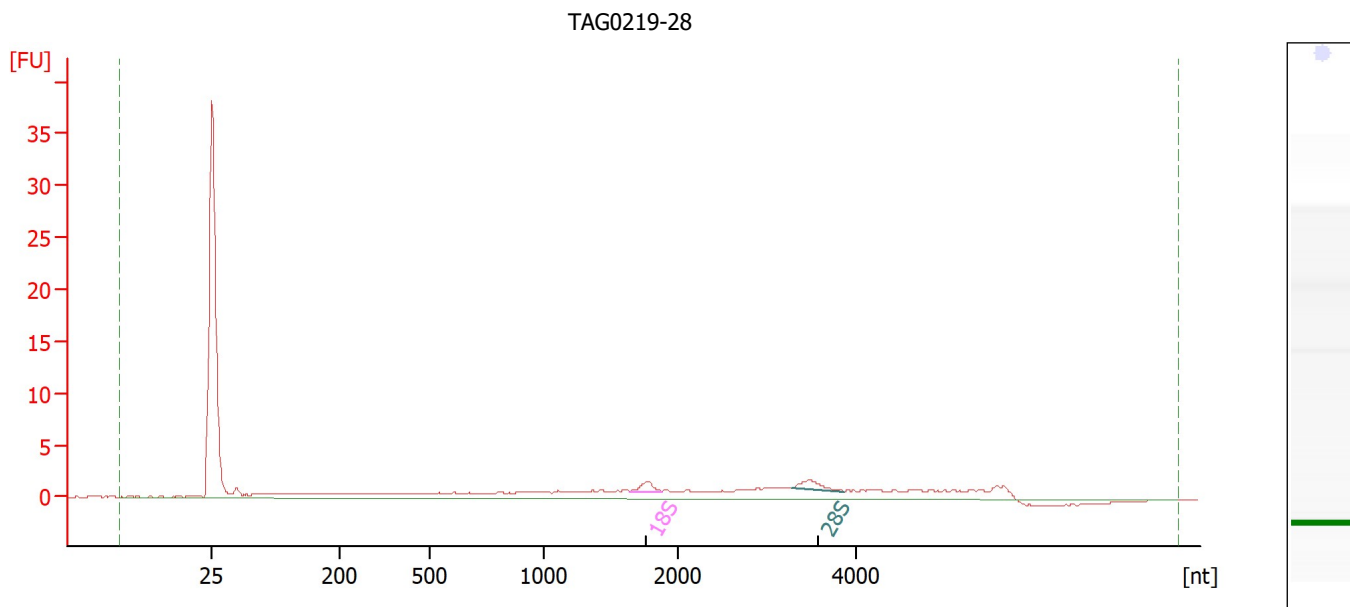
Overall Results for sample 4 : TAG0219-27

RNA Area:	501.7	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	1,716 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0219-28

RNA Area:	58.9	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	201 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:3

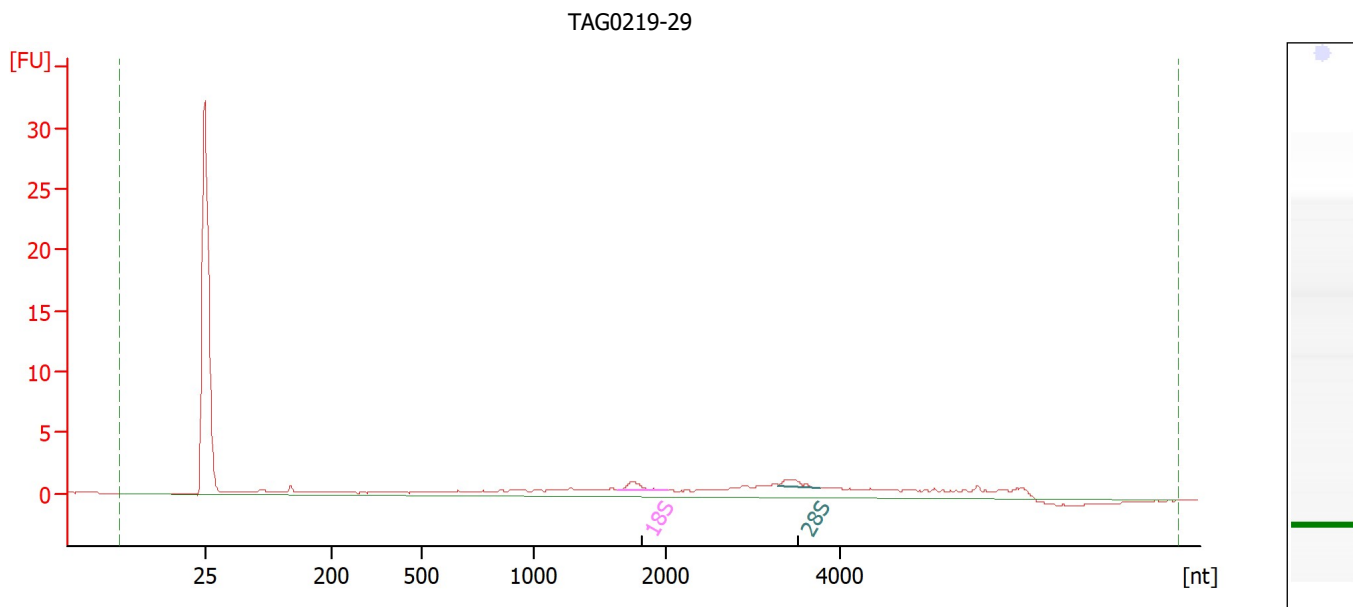
Fragment table for sample 5 : TAG0219-28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	1,876	1.3	2.2
28S	3,275	3,866	1.6	2.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0219-29

RNA Area:	47.3	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	162 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 2.80

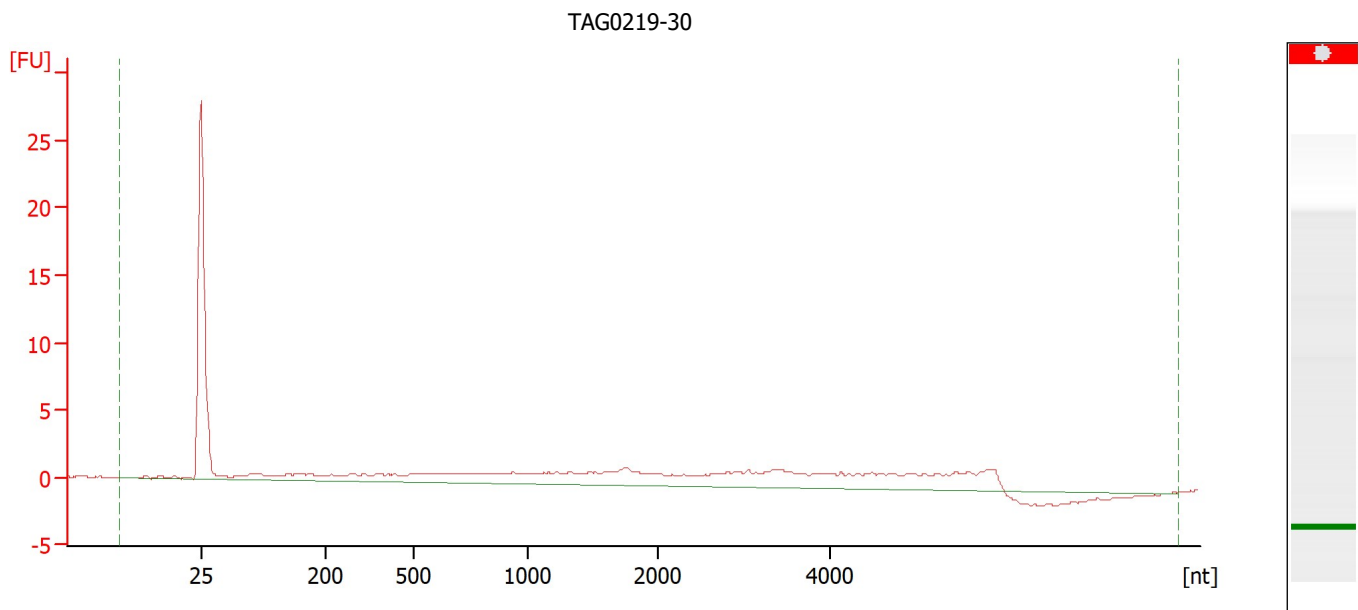
Fragment table for sample 6 : TAG0219-29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	2,013	1.2	2.5
28S	3,285	3,762	1.0	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



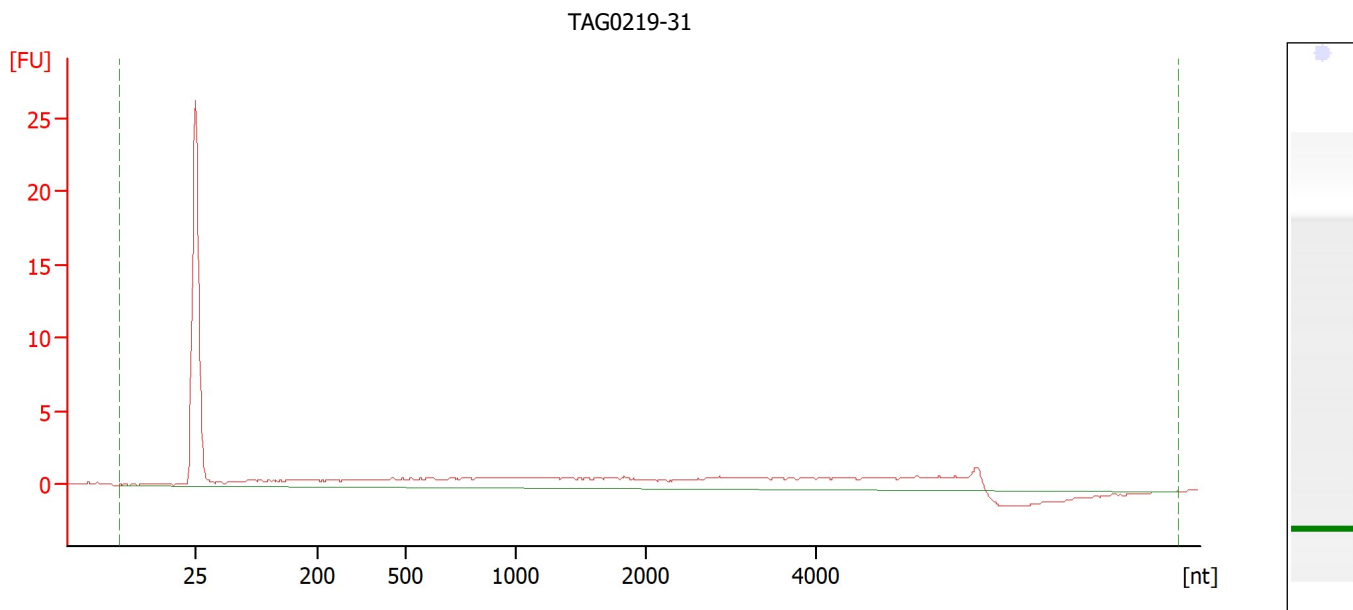
Overall Results for sample 7 : TAG0219-30

RNA Area:	69.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	237 pg/μl	Result Flagging Color:	
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_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



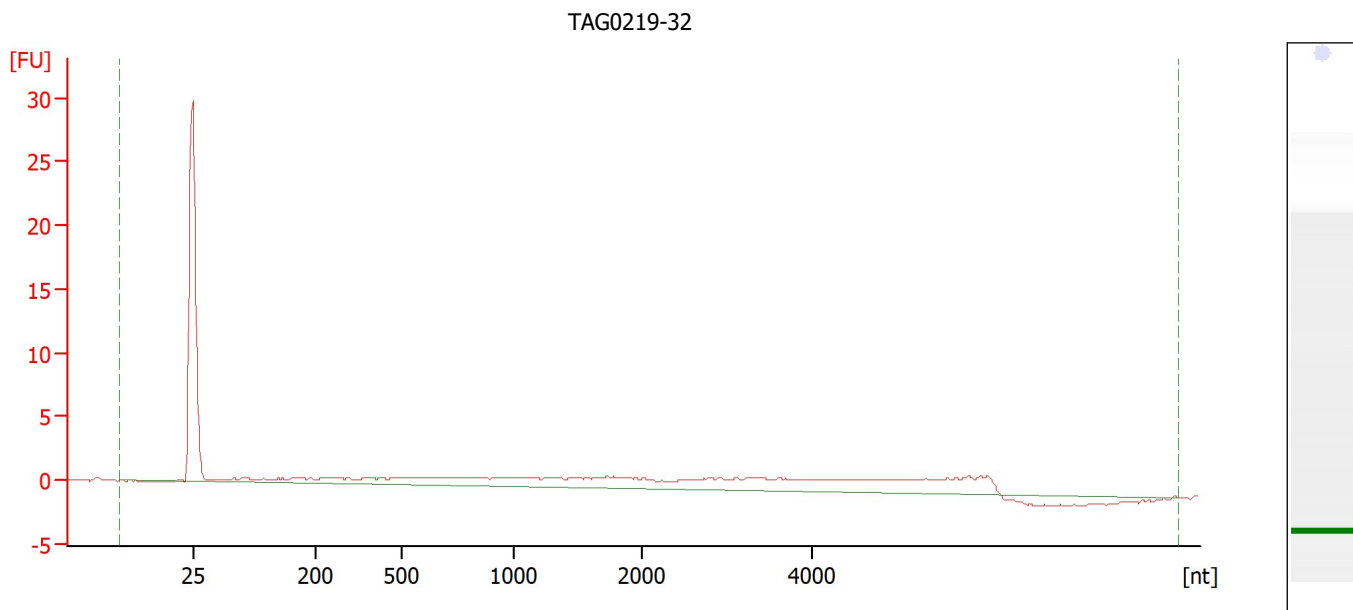
Overall Results for sample 8 : TAG0219-31

RNA Area:	52.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	180 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



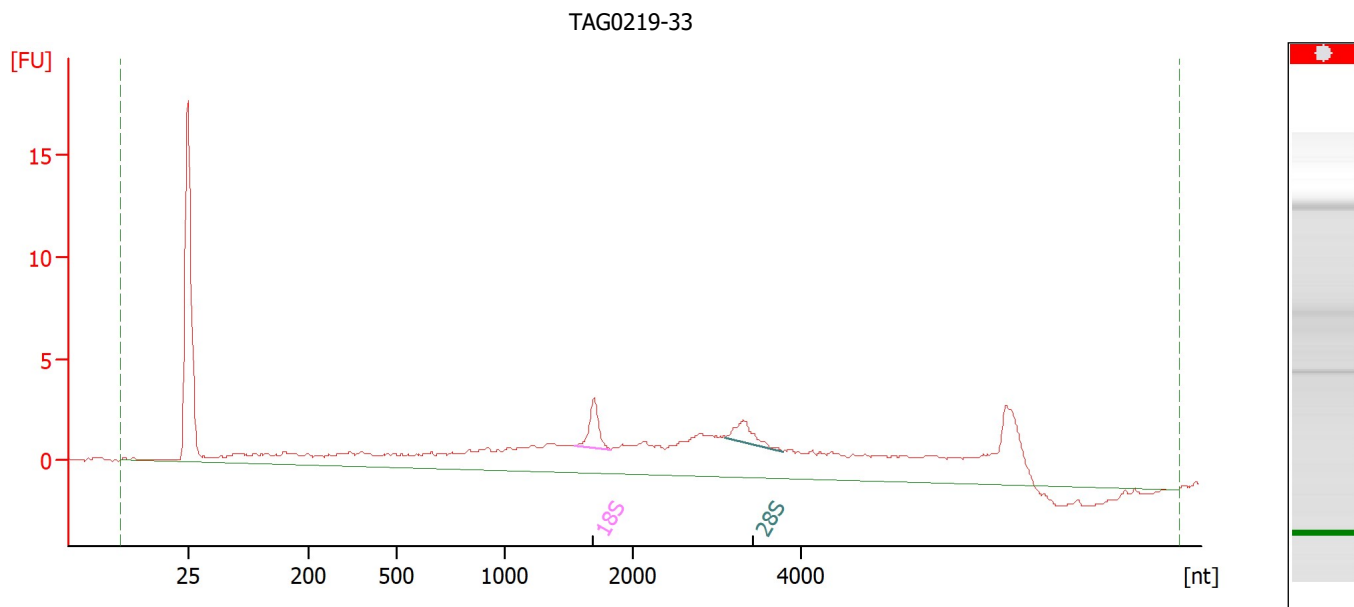
Overall Results for sample 9 : TAG0219-32

RNA Area:	61.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	210 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0219-33

RNA Area:	109.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	373 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

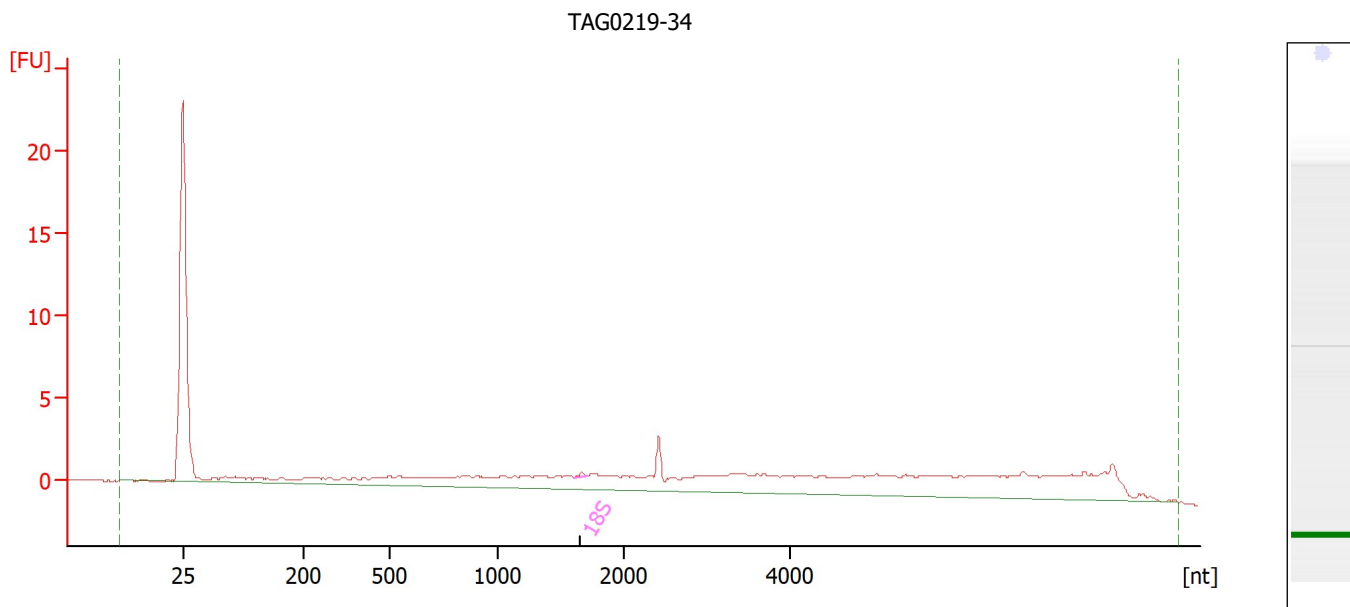
Fragment table for sample 10 : TAG0219-33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,829	3.1	2.8
28S	3,112	3,785	2.1	1.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
 Modified: 12/8/2023 3:13:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0219-34

RNA Area:	82.4	RNA Integrity Number (RIN):	1.5 (B.02.10)
RNA Concentration:	282 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

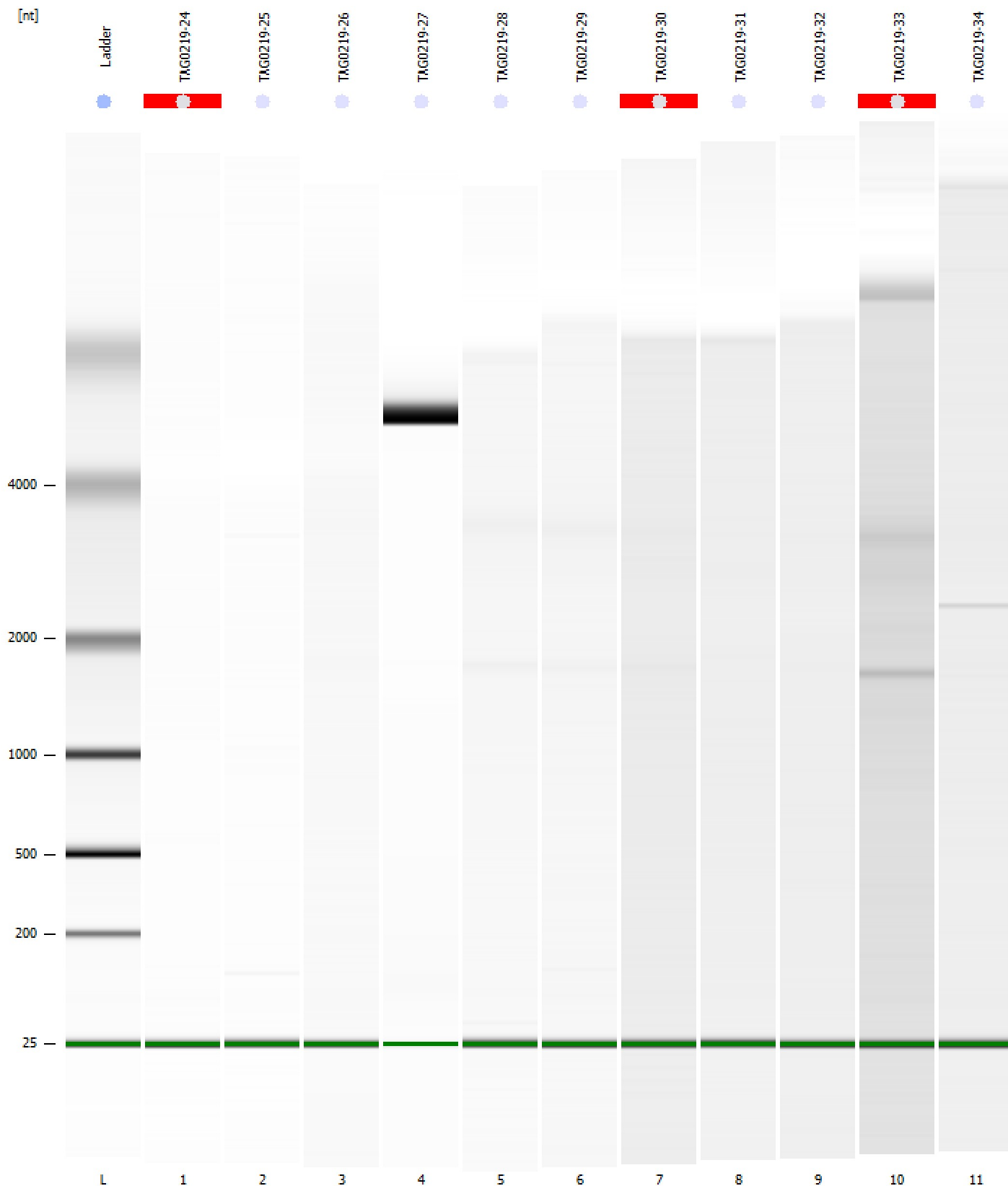
Fragment table for sample 11 : TAG0219-34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,714	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Gel Image

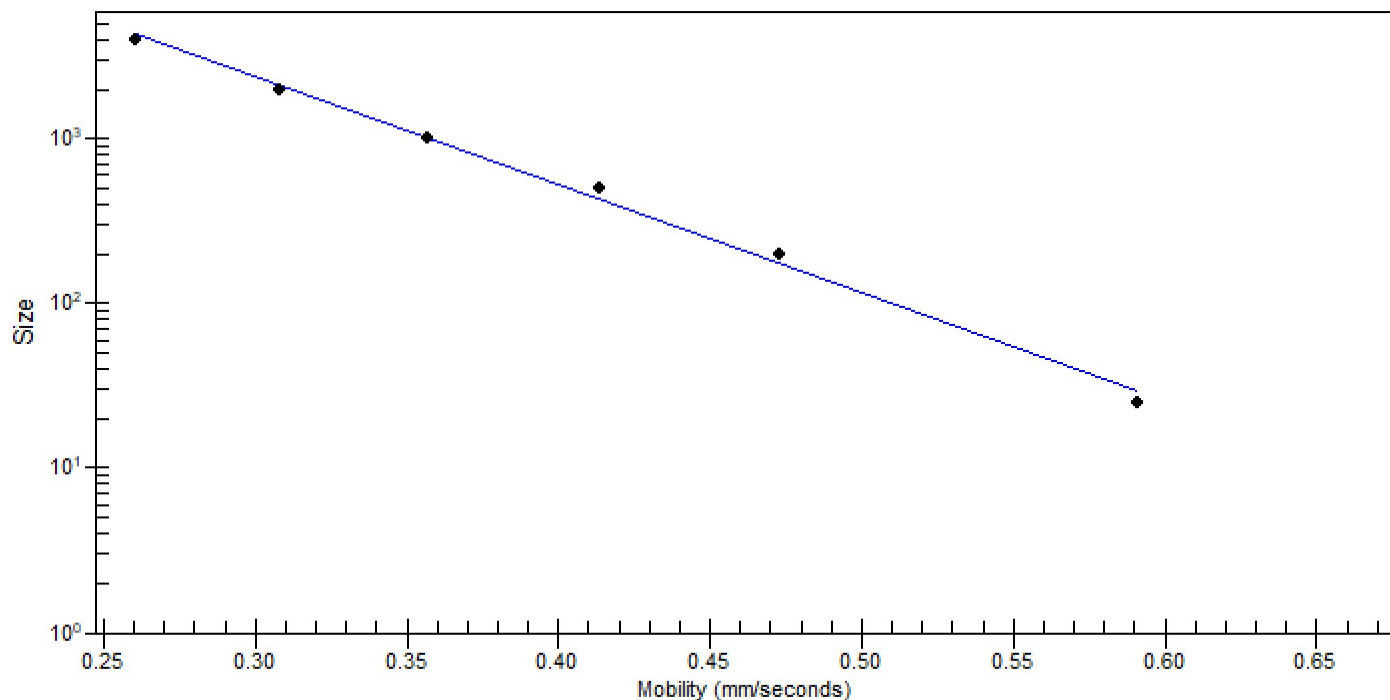


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad

Created: 12/8/2023 2:46:24 PM
Modified: 12/8/2023 3:13:34 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 12/8/2023 2:46:24 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad Modified: 12/8/2023 3:13:34 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		12/8/2023 3:09:18 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\2023-12-08\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-12-08_007.xad)		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/8/2023 2:46:30 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB