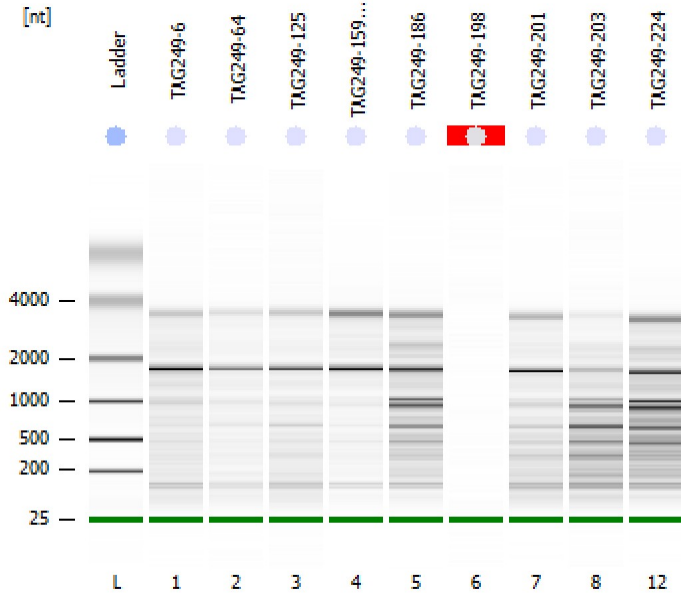


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:09:45 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

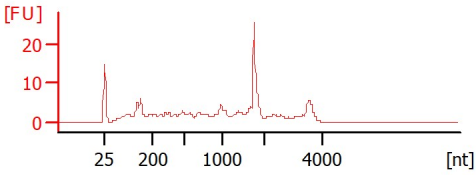
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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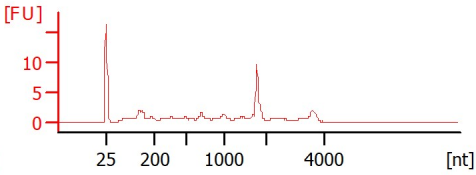
Chip Information:

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

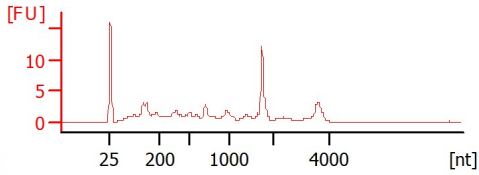
TAG249-6
RIN: 6.60



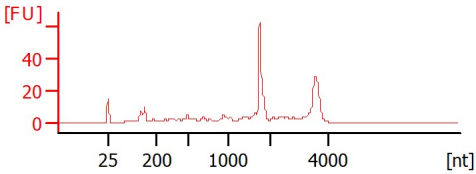
TAG249-64
RIN: 6.80



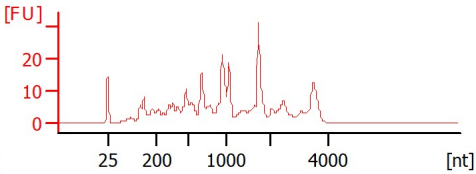
TAG249-125
RIN: 6.90



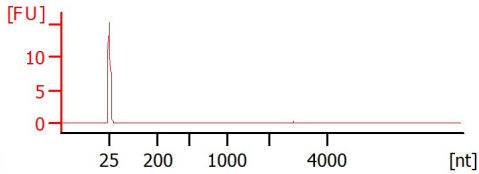
TAG249-159 (1:3)
RIN: 7.60



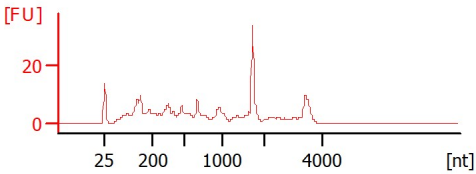
TAG249-186
RIN: 5.80



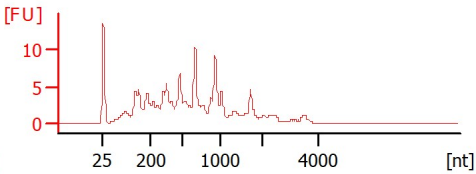
TAG249-198
RIN N/A



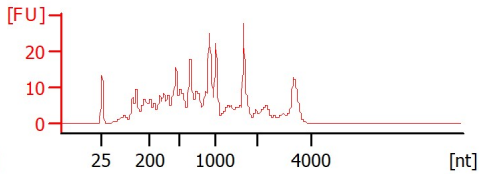
TAG249-201
RIN: 6.20



TAG249-203
RIN: 3.30



TAG249-224
RIN: 5.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG249-6		✓	RIN: 6.60	
TAG249-64		✓	RIN: 6.80	
TAG249-125		✓	RIN: 6.90	
TAG249-159 (1:3)		✓	RIN: 7.60	
TAG249-186		✓	RIN: 5.80	
TAG249-198		✓	RIN N/A	
TAG249-201		✓	RIN: 6.20	
TAG249-203		✓	RIN: 3.30	
TAG249-224		✓	RIN: 5.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:09:45 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

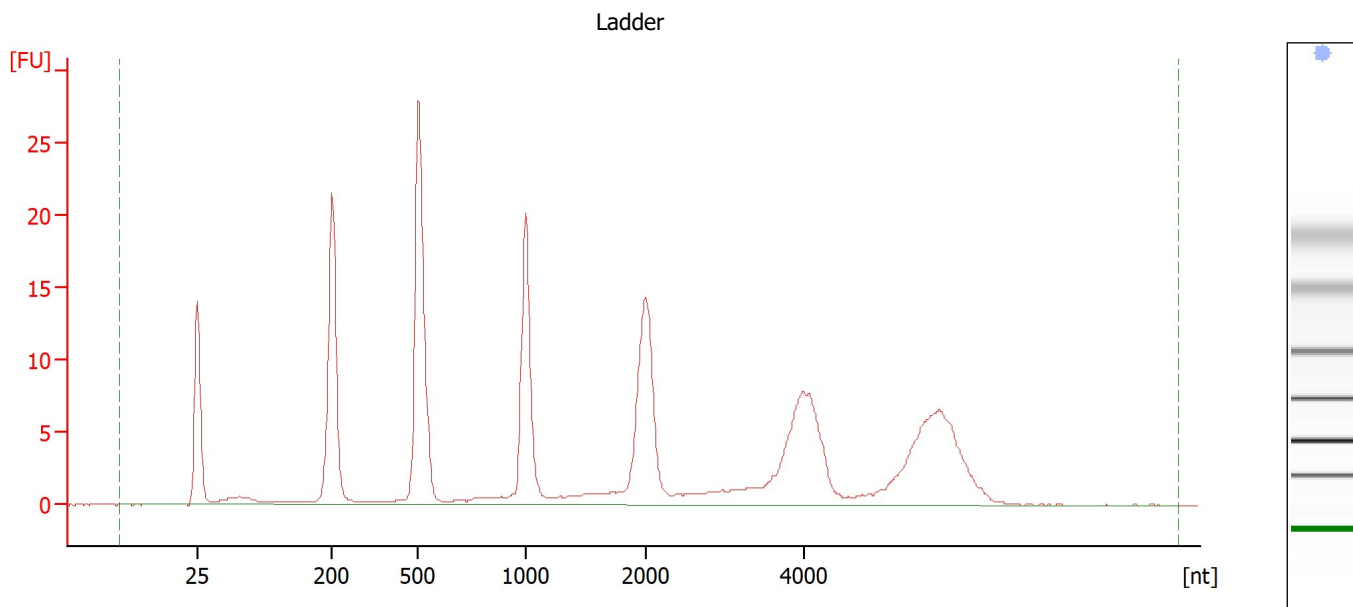
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary



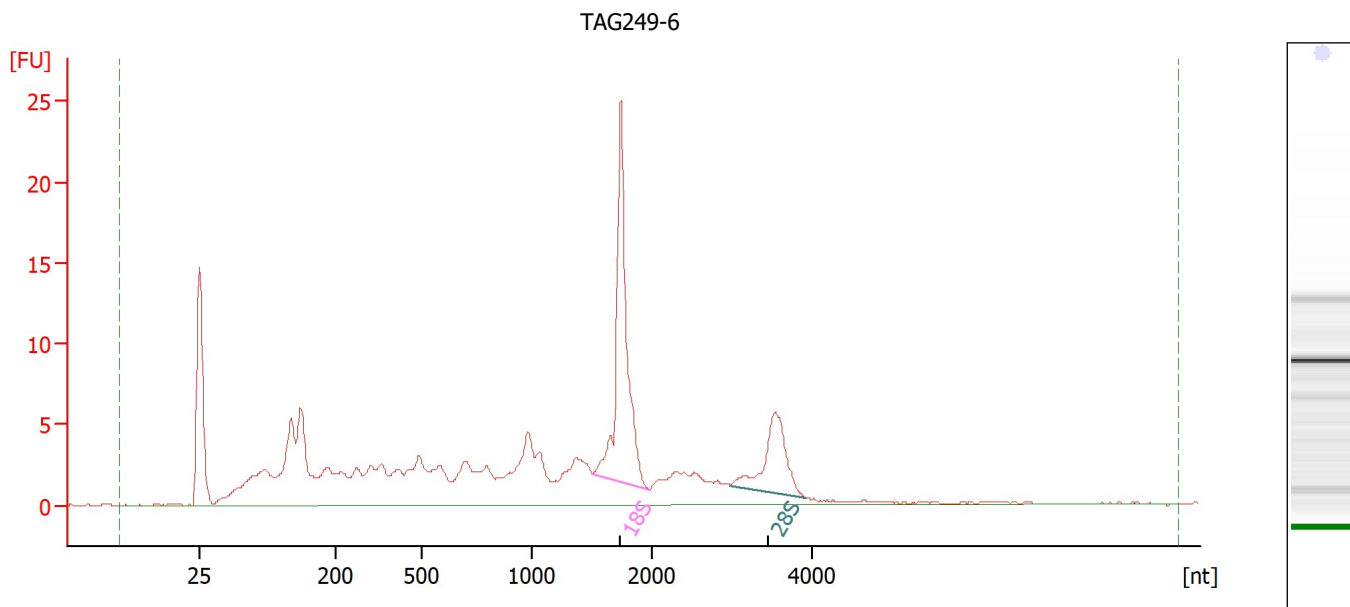
Overall Results for Ladder

RNA Area:	216.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG249-6

RNA Area:	190.0	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	132 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.60

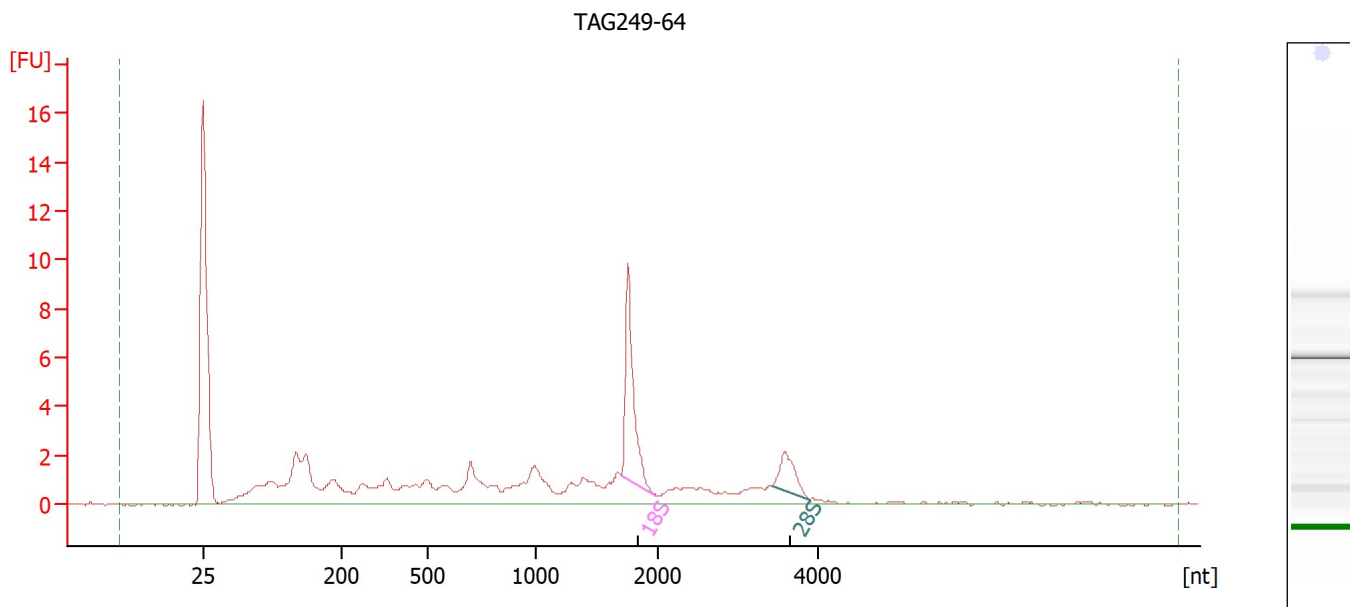
Fragment table for sample 1 : TAG249-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,975	29.2	15.4
28S	2,983	3,937	11.4	6.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG249-64

RNA Area:	68.6	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	48 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.80

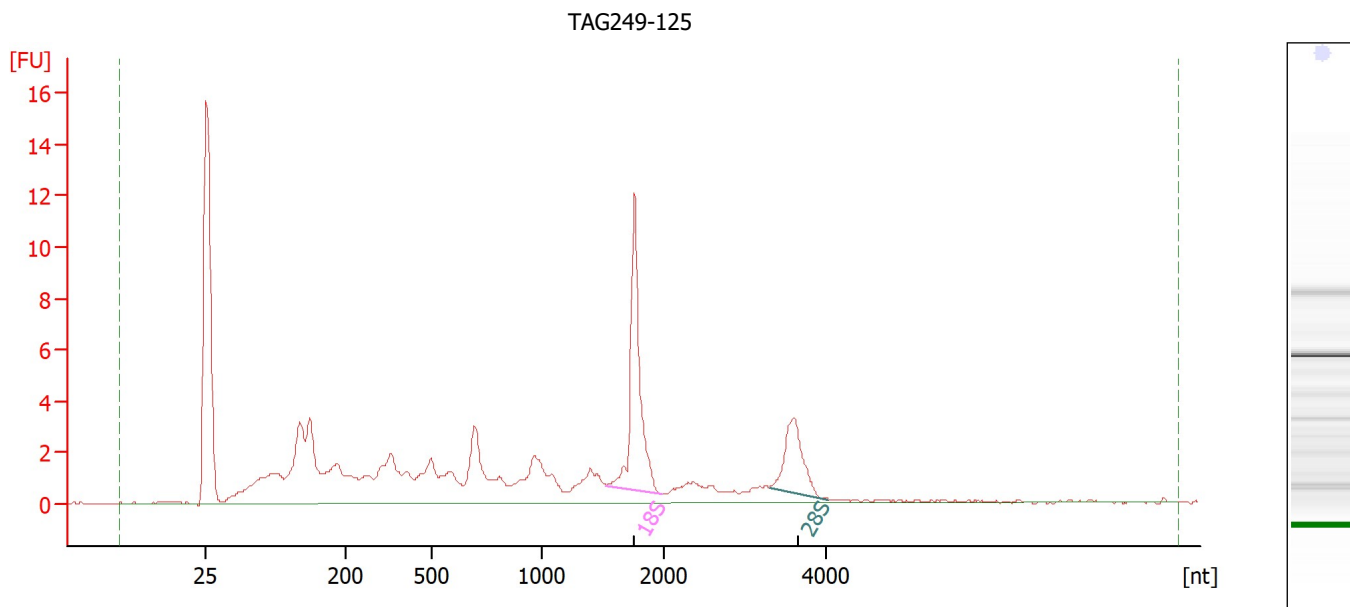
Fragment table for sample 2 : TAG249-64

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	1,987	8.5	12.5
28S	3,434	3,888	2.6	3.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG249-125

RNA Area:	92.4	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	64 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.90

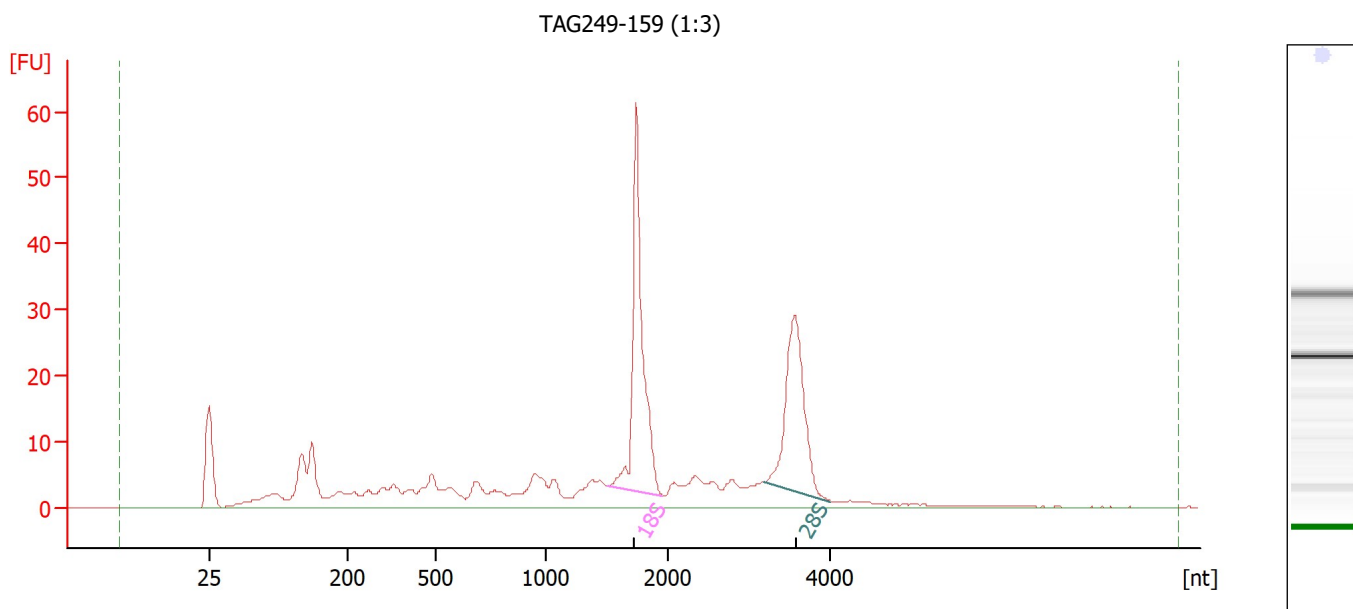
Fragment table for sample 3 : TAG249-125

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,989	12.7	13.7
28S	3,309	4,038	5.5	6.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG249-159 (1:3)

RNA Area:	338.9	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	235 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.60

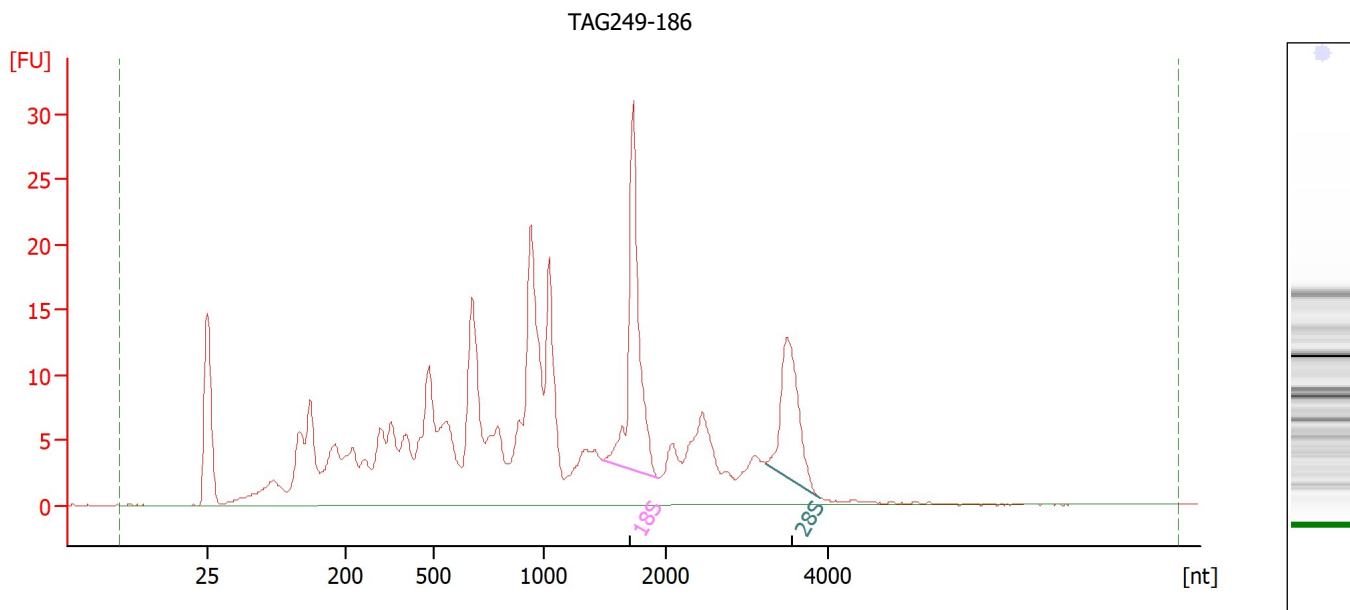
Fragment table for sample 4 : TAG249-159 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,511	1,956	68.8	20.3
28S	3,187	4,006	51.7	15.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG249-186

RNA Area:	370.5	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	257 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.80

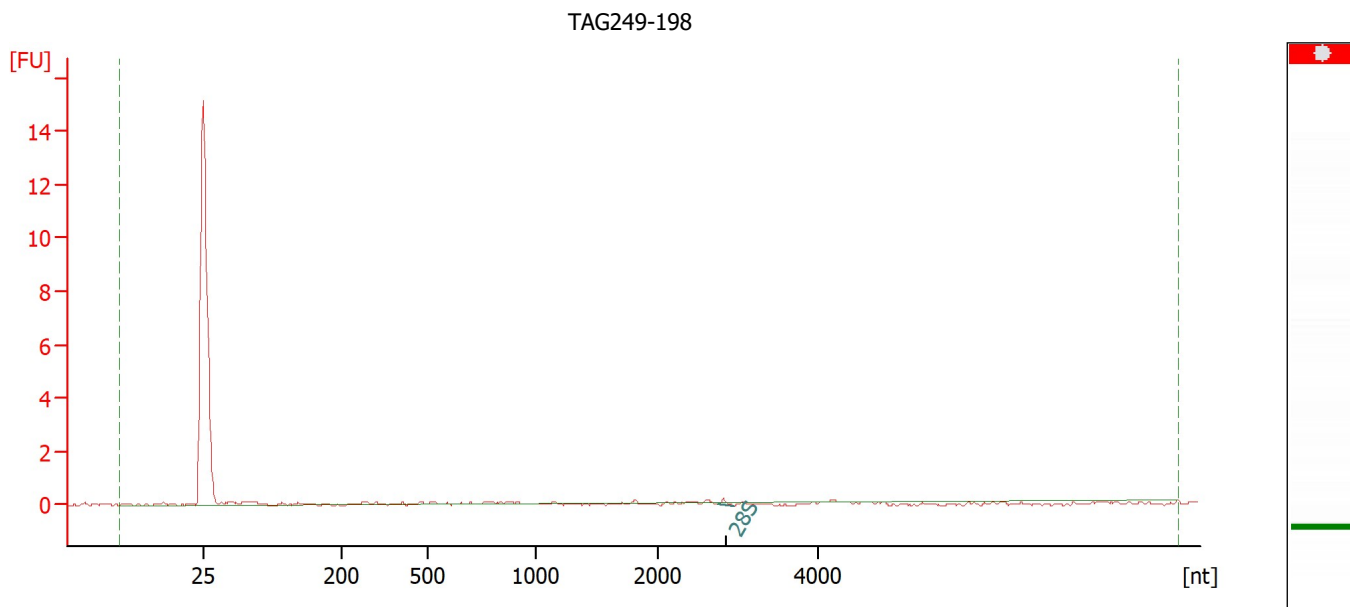
Fragment table for sample 5 : TAG249-186

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,474	1,929	33.7	9.1
28S	3,228	3,903	20.1	5.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG249-198

RNA Area:	1.4	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

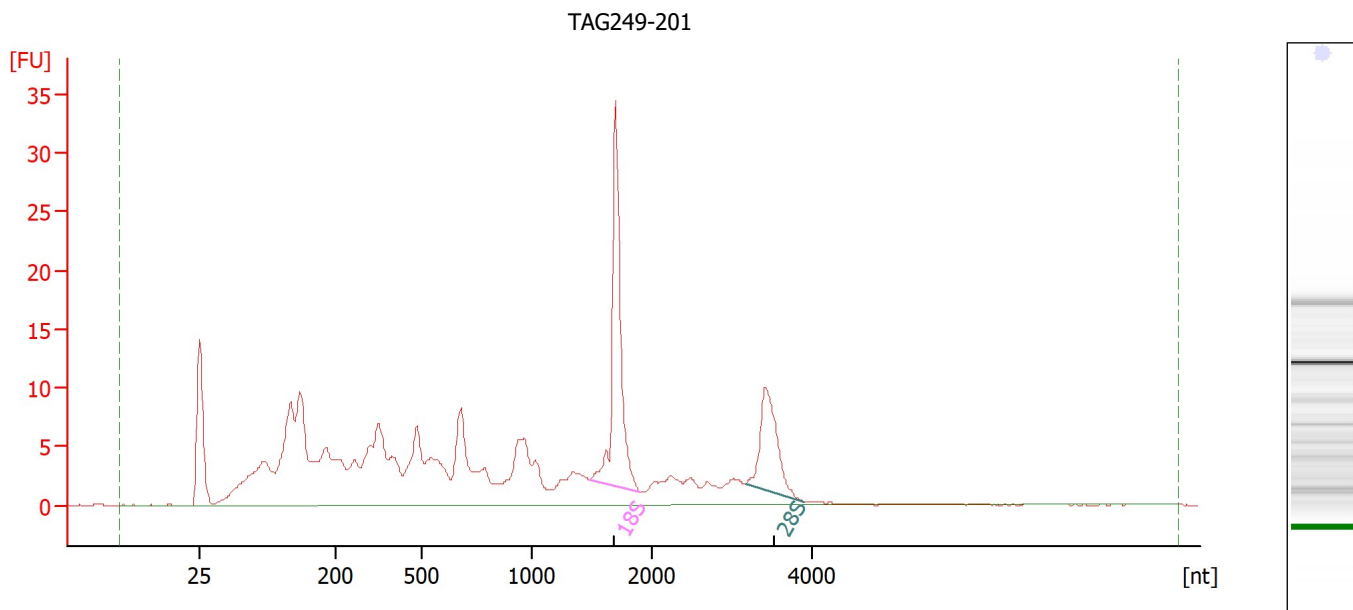
Fragment table for sample 6 : TAG249-198

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,740	2,941	0.1	10.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG249-201

RNA Area:	277.5	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	192 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.20

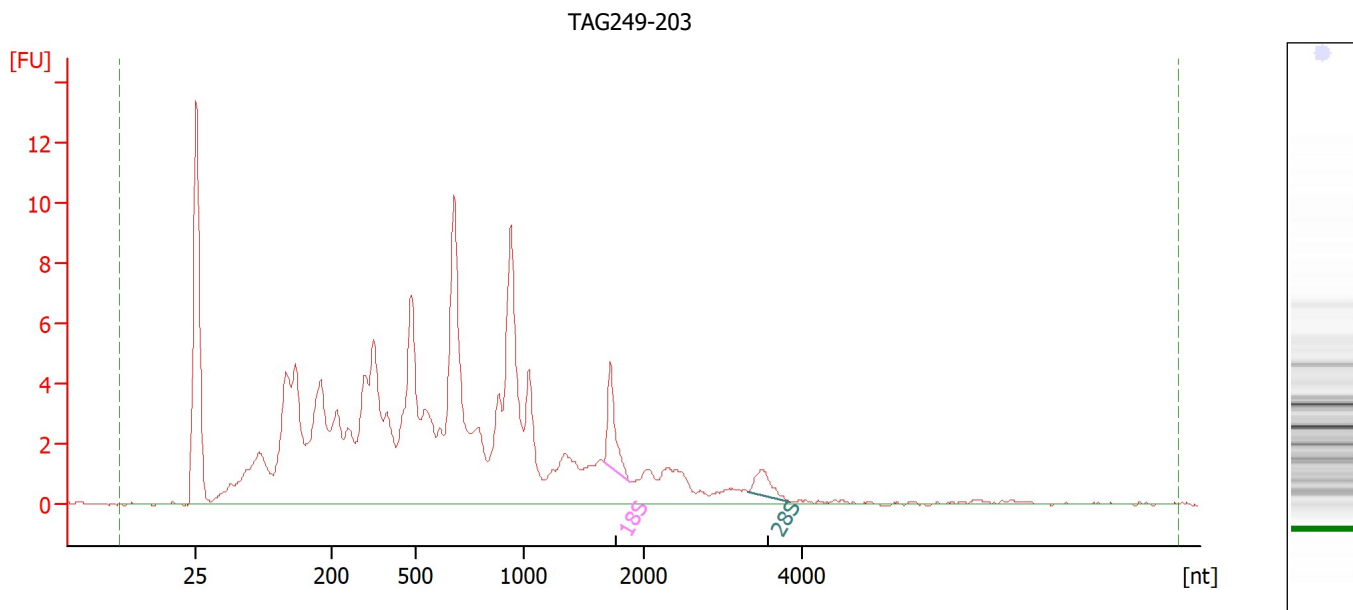
Fragment table for sample 7 : TAG249-201

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,479	1,904	32.9	11.9
28S	3,171	3,910	16.1	5.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG249-203

RNA Area:	165.5	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 3.30

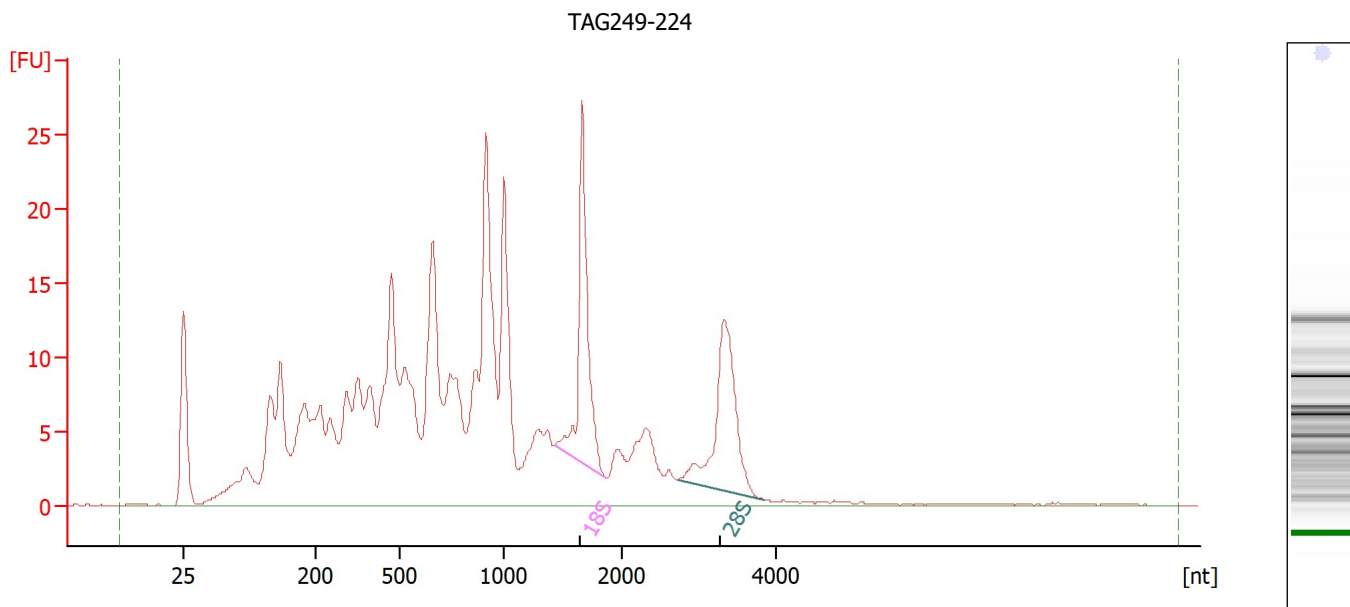
Fragment table for sample 8 : TAG249-203

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	1,882	3.3	2.0
28S	3,325	3,854	1.4	0.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
 Modified: 1/16/2024 3:09:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : TAG249-224

RNA Area: 442.6 RNA Integrity Number (RIN): 5.5 (B.02.10)
 RNA Concentration: 307 ng/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 5.50

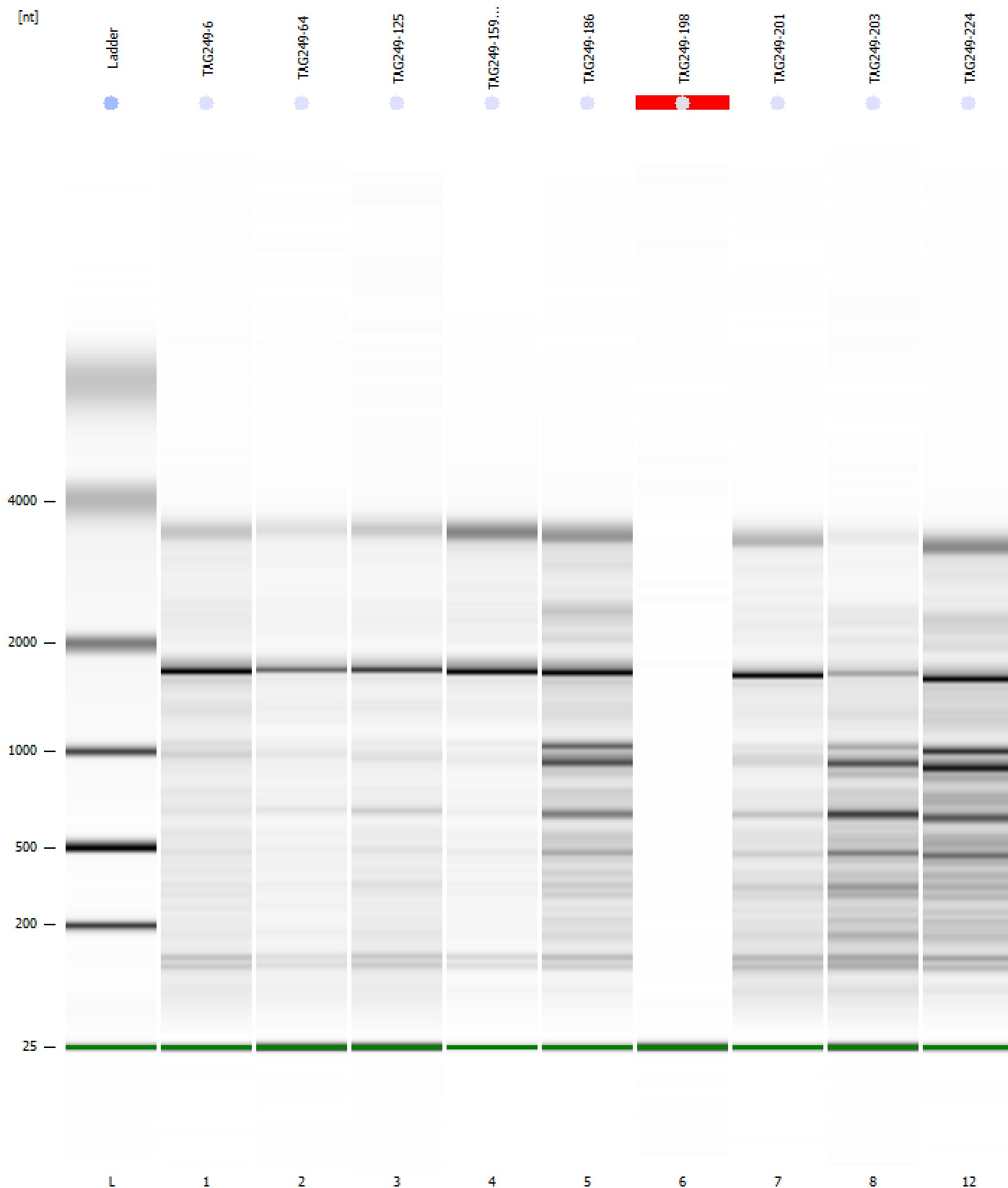
Fragment table for sample 12 : TAG249-224

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,430	1,870	27.6	6.2
28S	2,734	3,843	26.0	5.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:09:45 PM

Gel Image

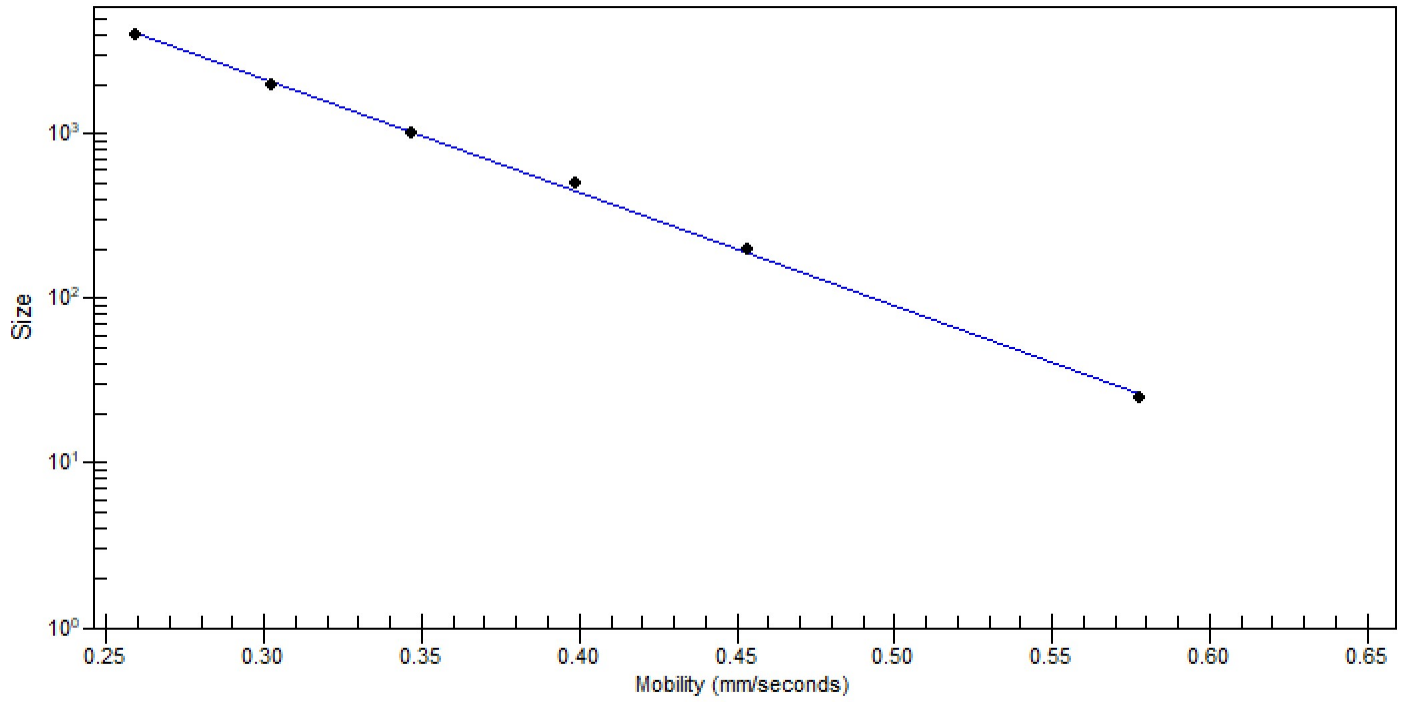


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad

Created: 1/16/2024 2:41:11 PM
Modified: 1/16/2024 3:09:45 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 1/16/2024 2:41:11 PM
 Data Path: C:\...alyzer\2100 expert\data\2024-01-16\TAG249_RNA_QC_ReRuns.xad Modified: 1/16/2024 3:09:45 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		1/16/2024 3:05:03 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\2024-01-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-01-16_001.xad)		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2024 2:41:18 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB