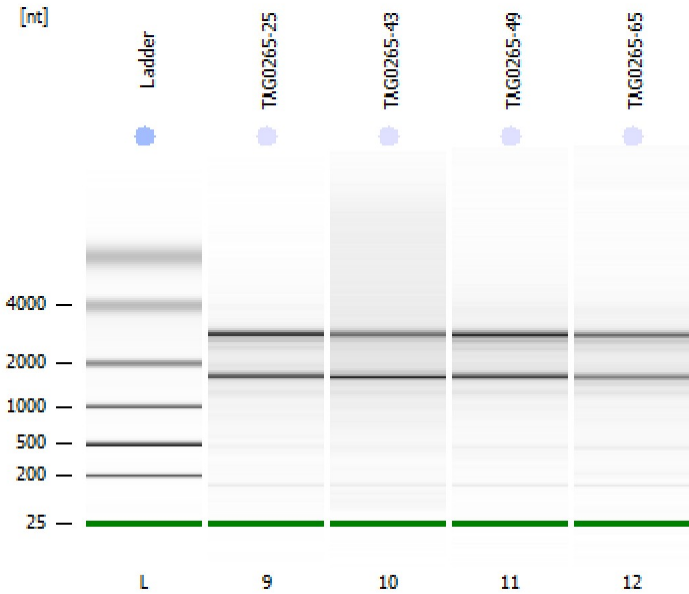


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:39:34 AM

Electrophoresis File Run Summary



Instrument Information:

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

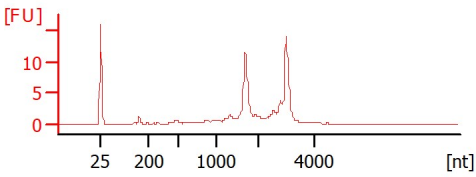
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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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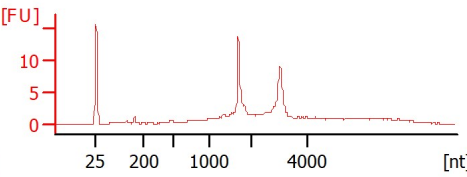
Chip Information:

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

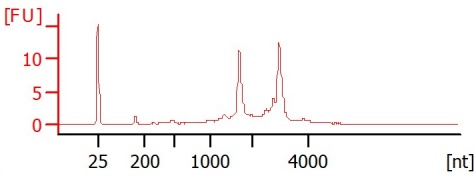
TAG0265-25
 RIN: 8.30



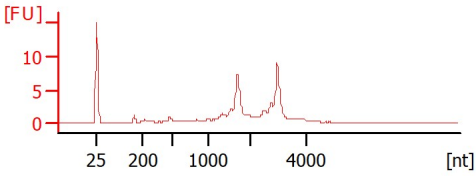
TAG0265-43
 RIN: 8



TAG0265-49
 RIN: 8.60



TAG0265-65
 RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:39:34 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0265-25		✓	RIN: 8.30	
TAG0265-43		✓	RIN:8	
TAG0265-49		✓	RIN: 8.60	
TAG0265-65		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:39:34 AM

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

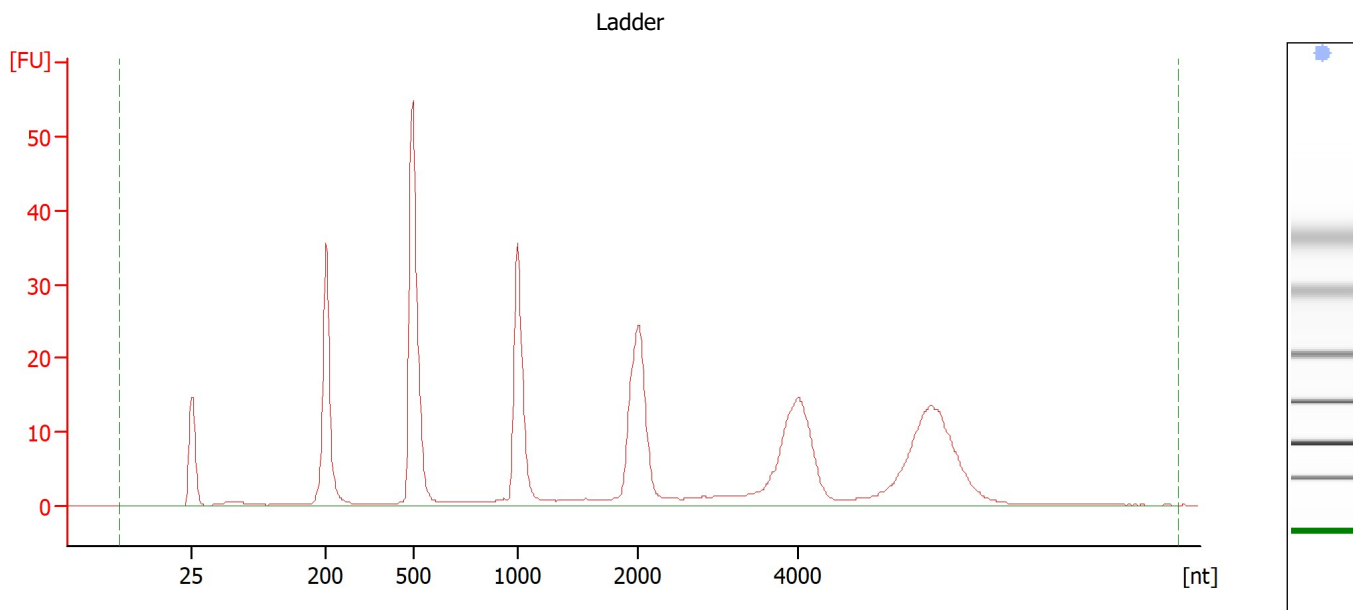
Ladder

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\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:39:34 AM

Electropherogram Summary



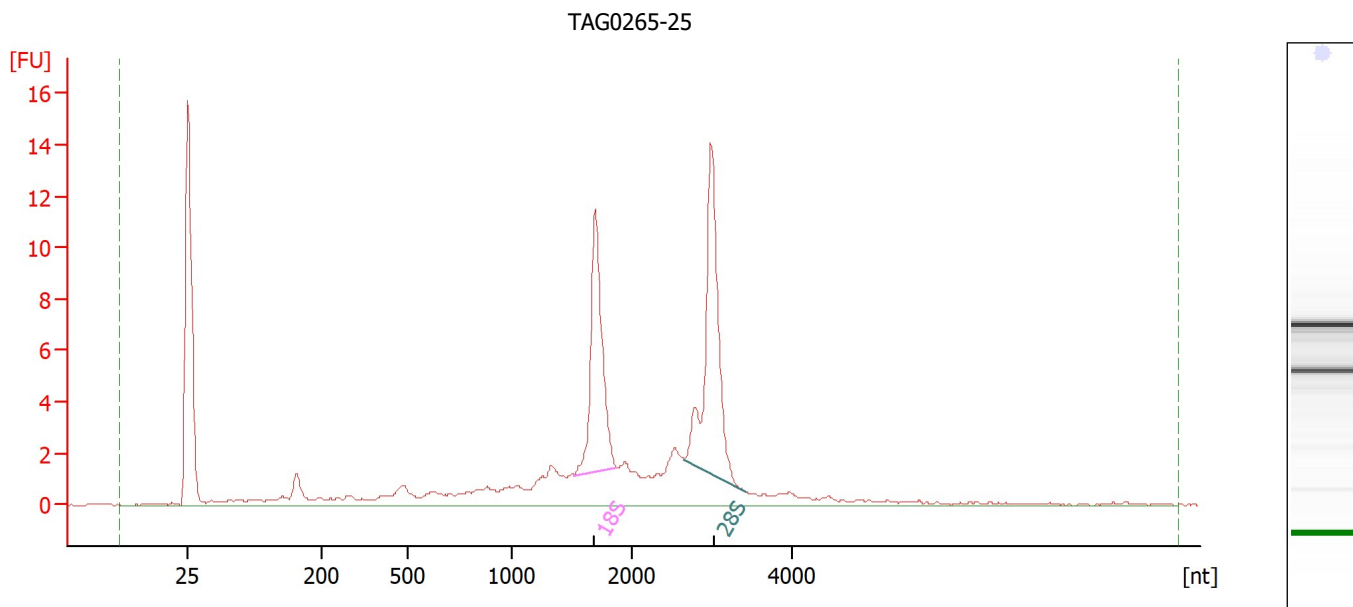
Overall Results for Ladder

RNA Area:	354.4	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\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:39:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0265-25

RNA Area:	87.4	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.30

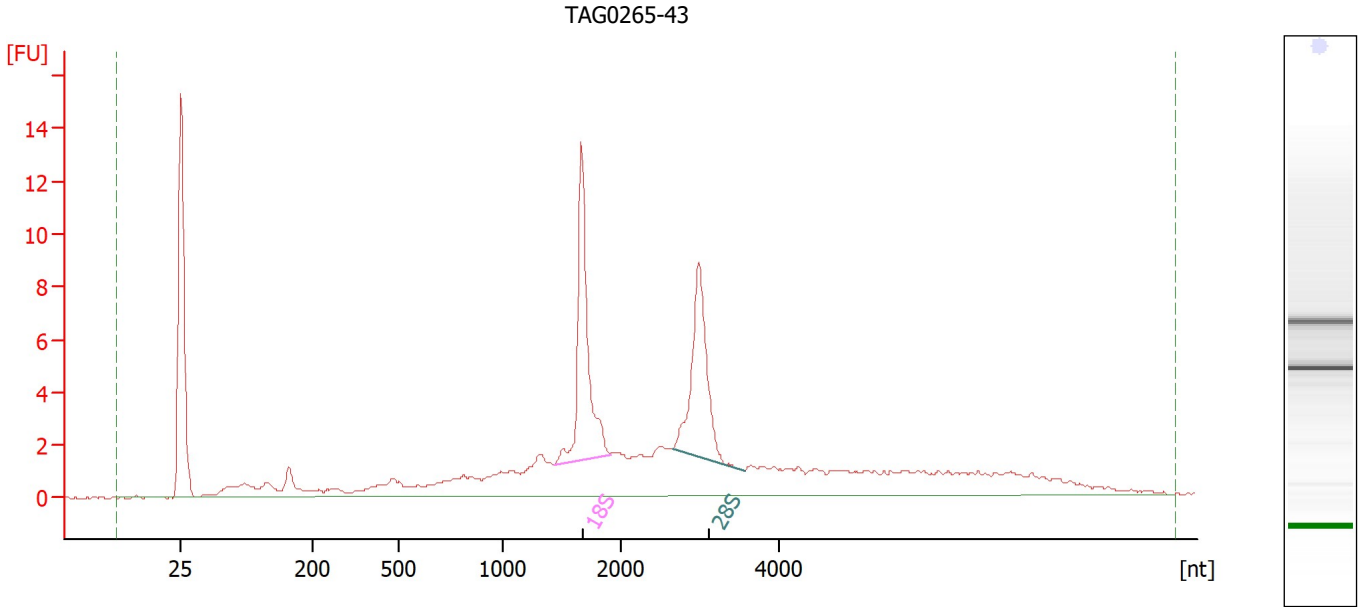
Fragment table for sample 9 : TAG0265-25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,873	14.9	17.1
28S	2,654	3,432	18.6	21.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:39:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0265-43

RNA Area: 108.7 RNA Integrity Number (RIN): 8 (B.02.10)
RNA Concentration: 46 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN:8

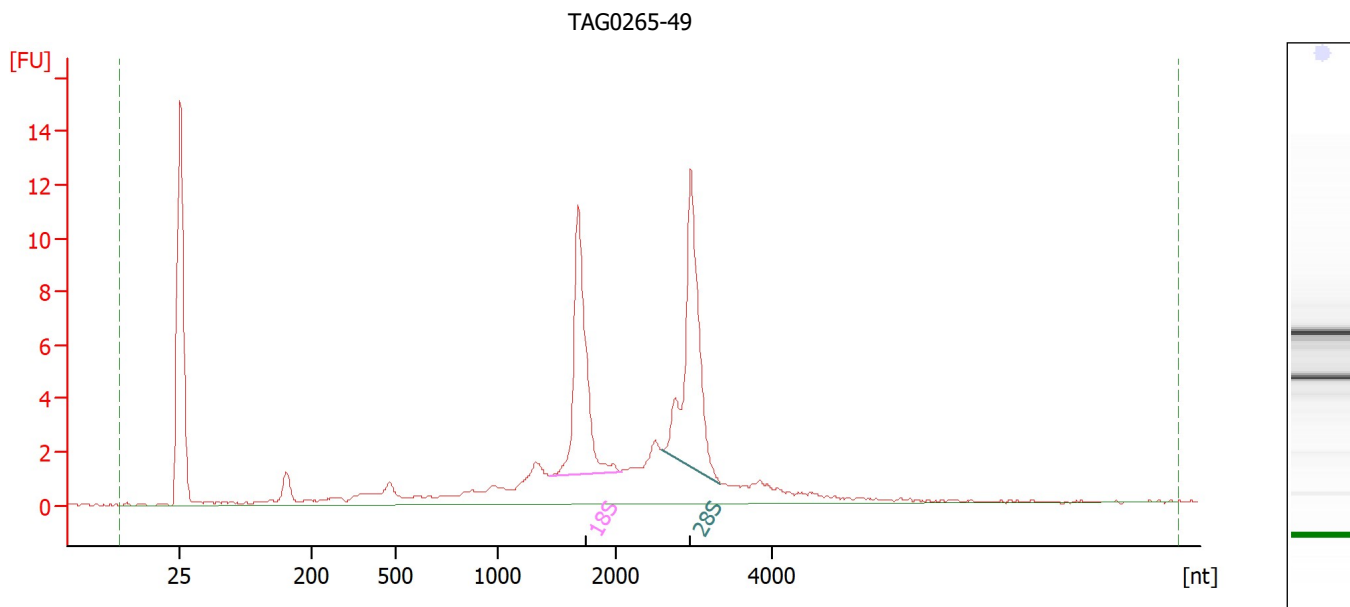
Fragment table for sample 10 : TAG0265-43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,437	1,913	14.8	13.6
28S	2,655	3,562	13.0	12.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:39:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0265-49

RNA Area:	84.9	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

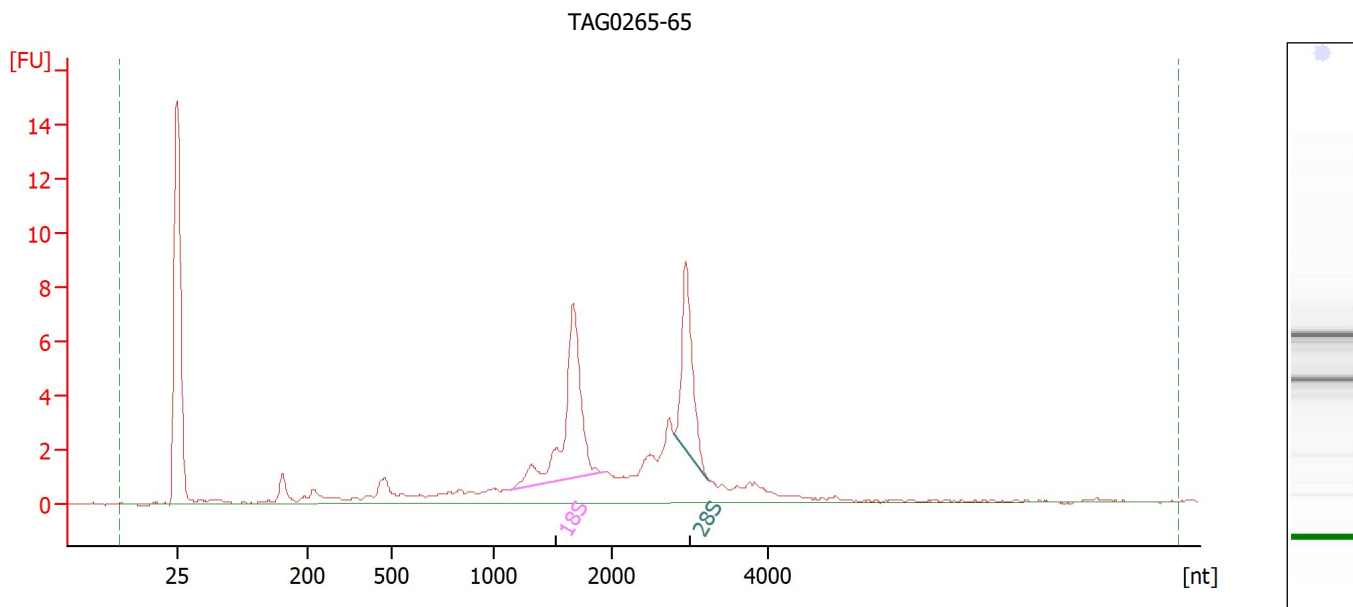
Fragment table for sample 11 : TAG0265-49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,447	2,069	16.1	18.9
28S	2,588	3,339	17.8	21.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:39:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : TAG0265-65

RNA Area:	66.6	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 8.30

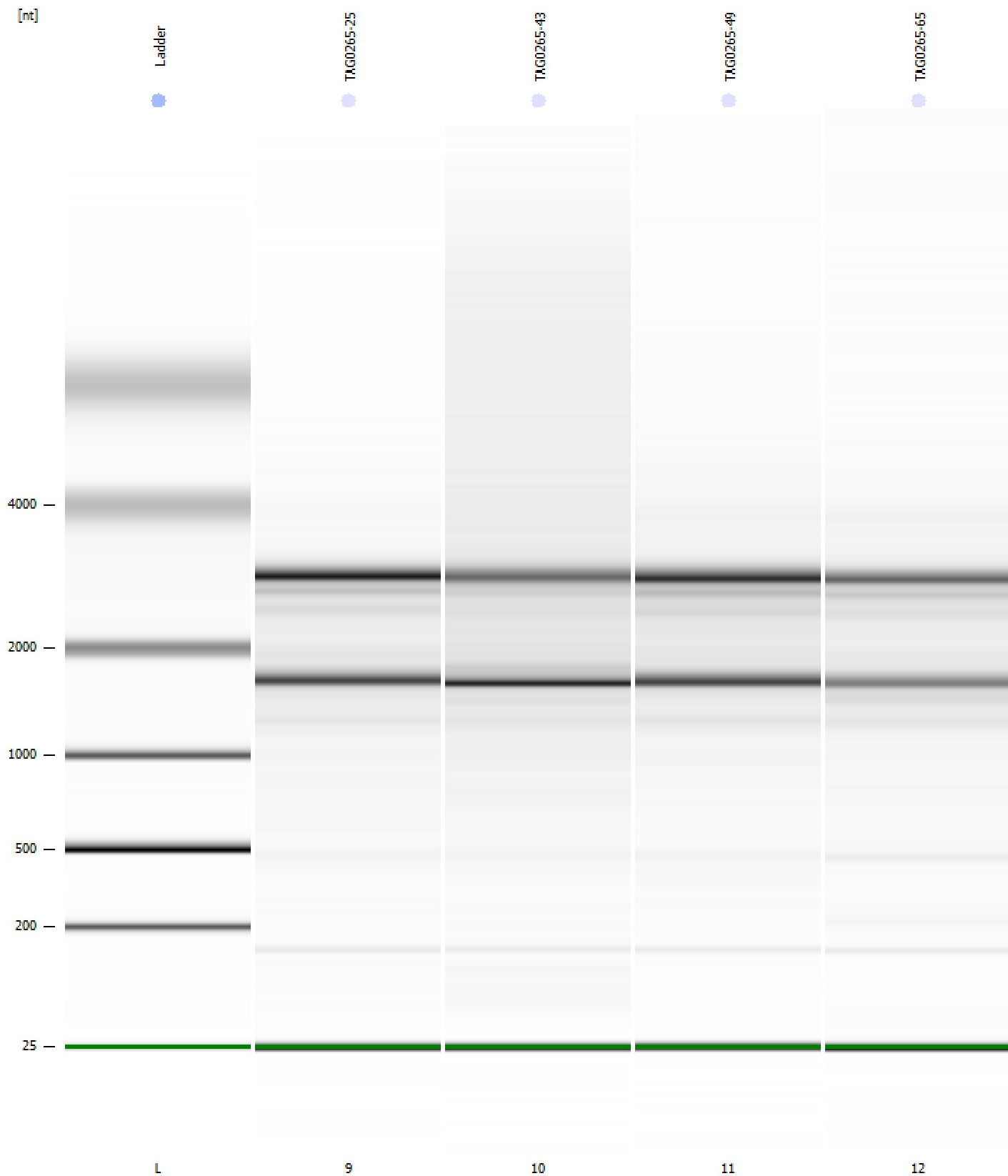
Fragment table for sample 12 : TAG0265-65

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,124	1,935	14.1	21.1
28S	2,808	3,247	8.6	13.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:39:34 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2024-05-16\TAG0265_Spotcheck_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:39:34 AM

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		5/16/2024 5:29:42 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\2024-05-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_003.xad)		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB