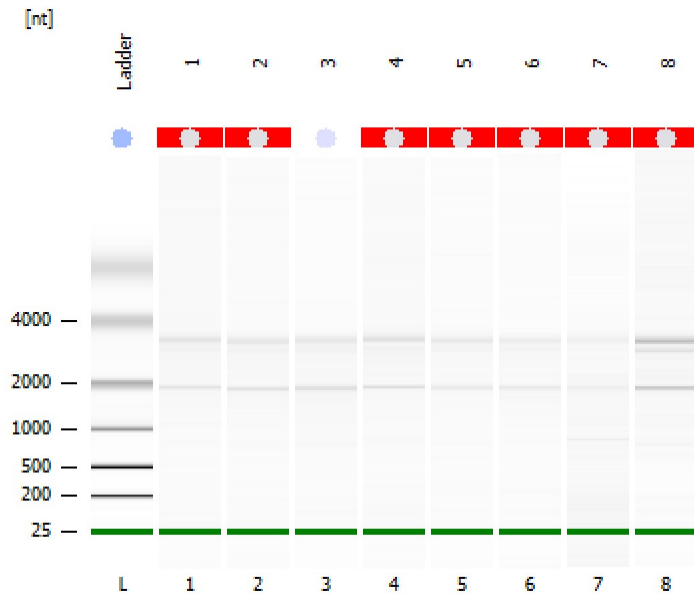


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

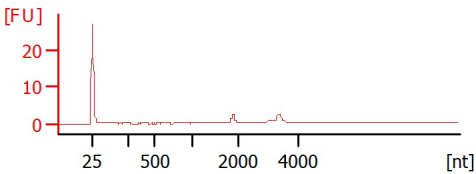
Assay Information:

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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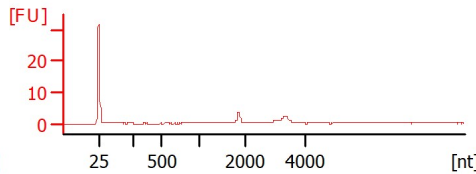
Chip Information:

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

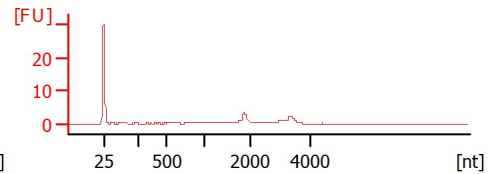
1
QC0649
RIN N/A



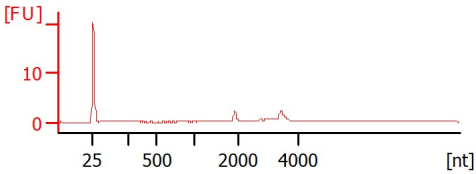
2
QC0649
RIN N/A



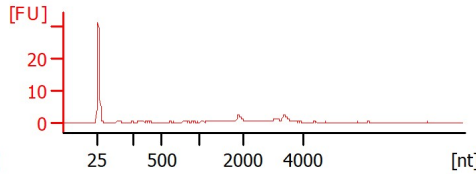
3
QC0649
RIN:8



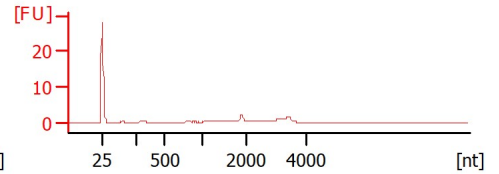
4
QC0649
RIN N/A



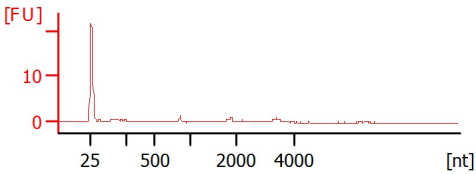
5
QC0649
RIN N/A



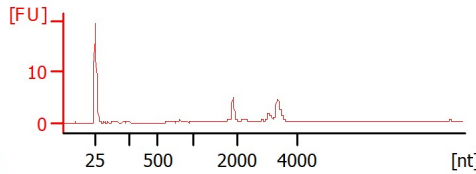
6
QC0649
RIN N/A



7
QC0649
RIN N/A



8
QC0649
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
 Modified: 8/28/2020 4:34:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0649	✓	RIN N/A	
2	QC0649	✓	RIN N/A	
3	QC0649	✓	RIN:8	
4	QC0649	✓	RIN N/A	
5	QC0649	✓	RIN N/A	
6	QC0649	✓	RIN N/A	
7	QC0649	✓	RIN N/A	
8	QC0649	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 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/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 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

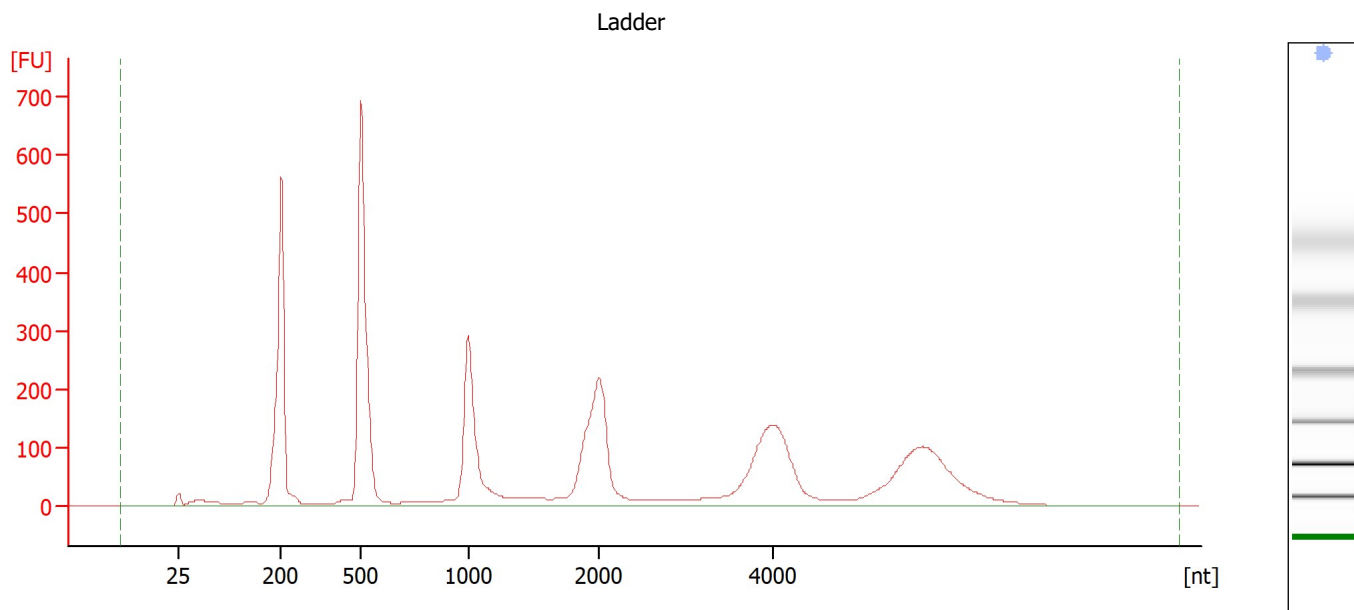
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary



Overall Results for Ladder

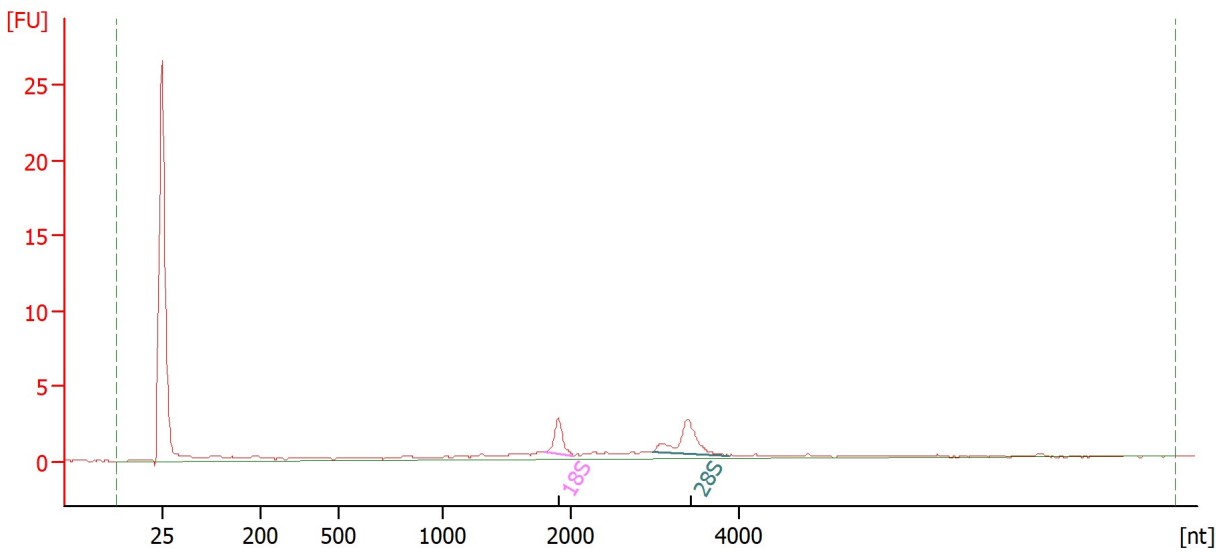
RNA Area:	4,640.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

1 [QC0649]



Overall Results for sample 1 : 1

RNA Area:	31.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : 1

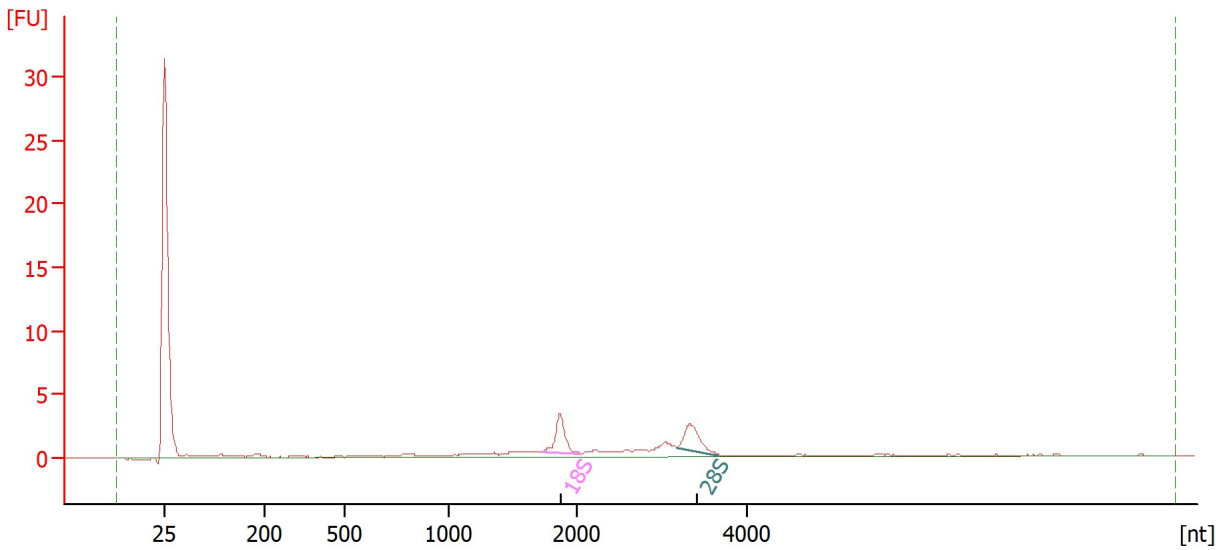
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,796	2,020	2.7	8.7
28S	2,959	3,860	4.9	15.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

2 [QC0649]



Overall Results for sample 2 : 2

RNA Area:	32.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : 2

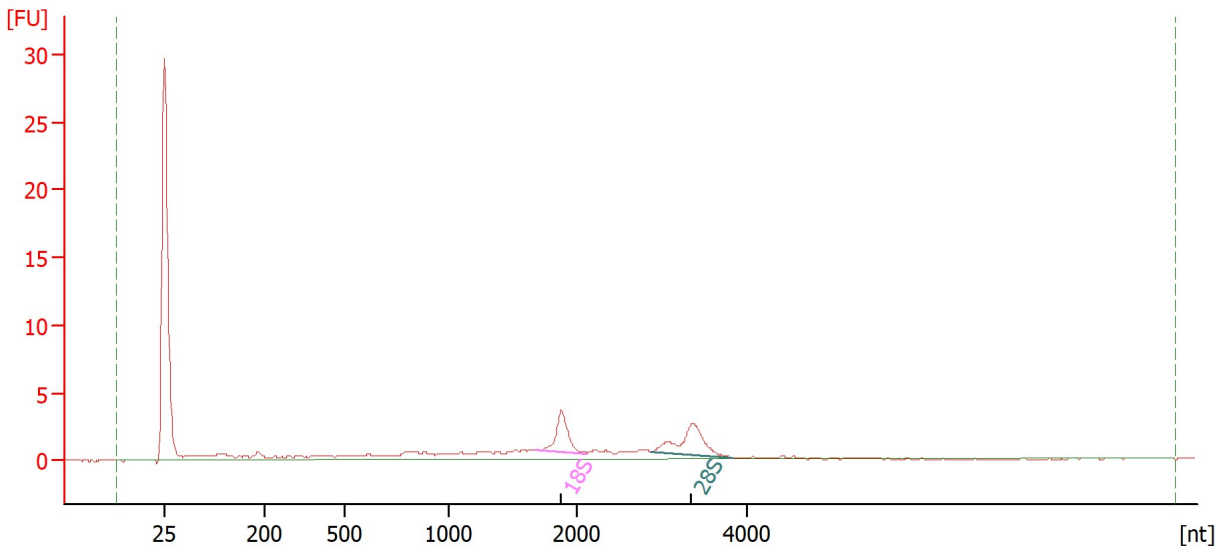
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,050	3.8	11.8
28S	3,171	3,675	3.5	10.8

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

3 [QC0649]



Overall Results for sample 3 : 3

RNA Area:	42.7	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	9 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:8

Fragment table for sample 3 : 3

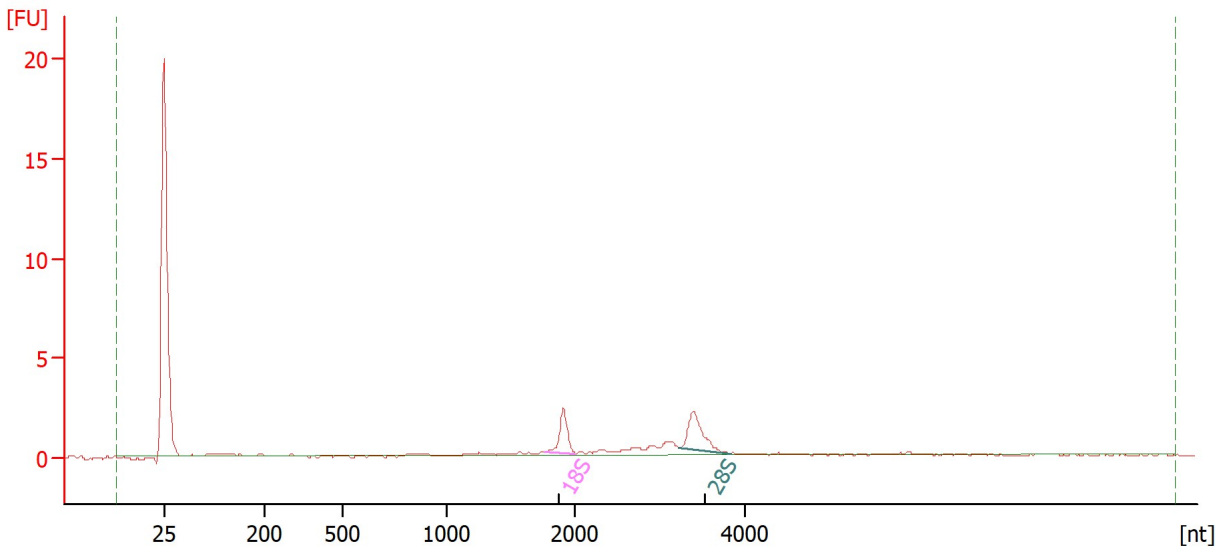
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	2,113	4.8	11.3
28S	2,869	3,826	6.2	14.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

4 [QC0649]



Overall Results for sample 4 : 4

RNA Area: 16.1 RNA Integrity Number (RIN): N/A (B.02.10)
RNA Concentration: 3 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN N/A

Fragment table for sample 4 : 4

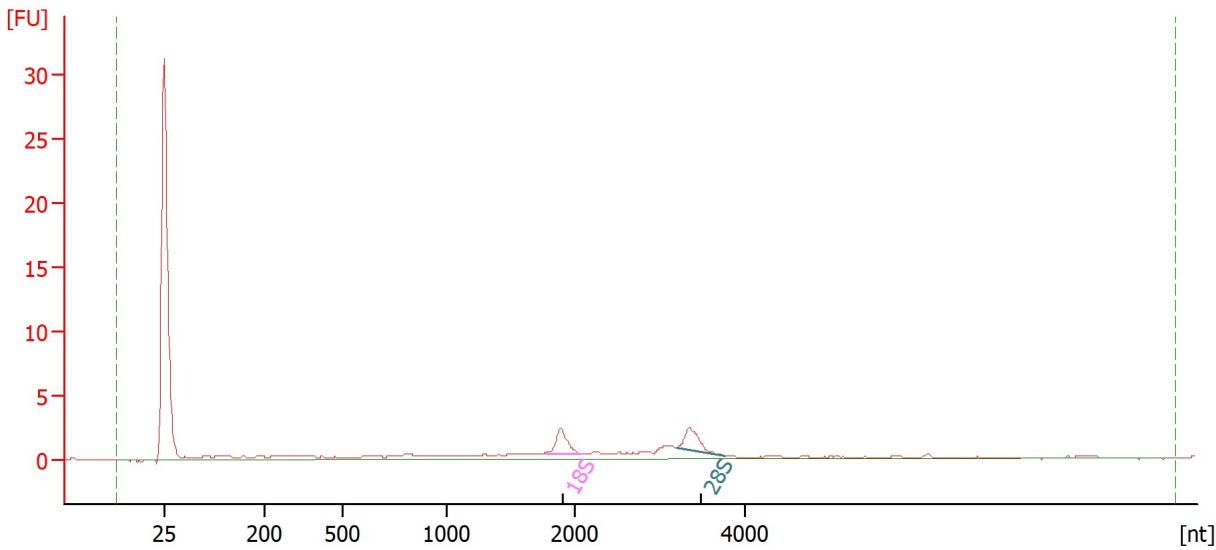
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	1,998	2.3	14.3
28S	3,223	3,829	3.1	19.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

5 [QC0649]



Overall Results for sample 5 : 5

RNA Area:	33.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : 5

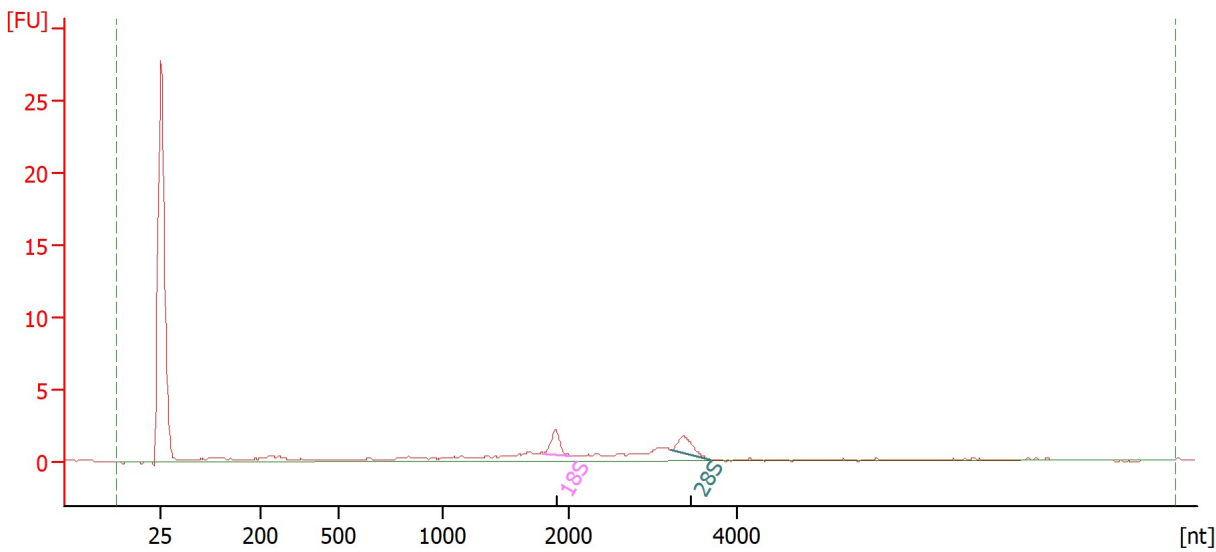
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,774	2,061	2.9	8.9
28S	3,198	3,766	3.2	9.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

6 [QC0649]



Overall Results for sample 6 : 6

RNA Area:	27.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : 6

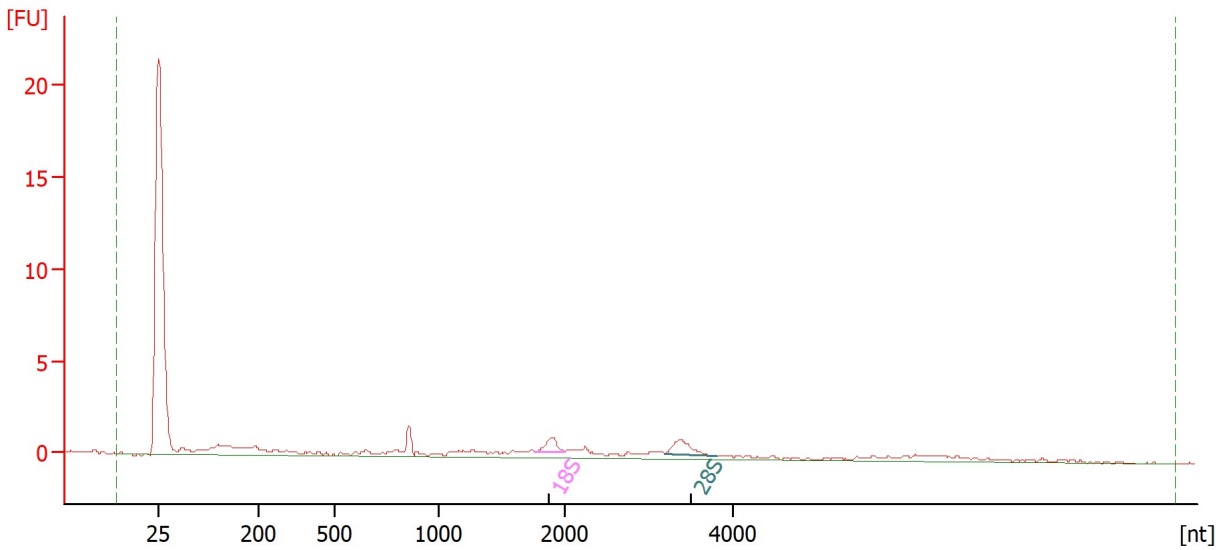
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,019	2.1	7.4
28S	3,202	3,685	2.1	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...

7 [QC0649]



Overall Results for sample 7 : 7

RNA Area:	24.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

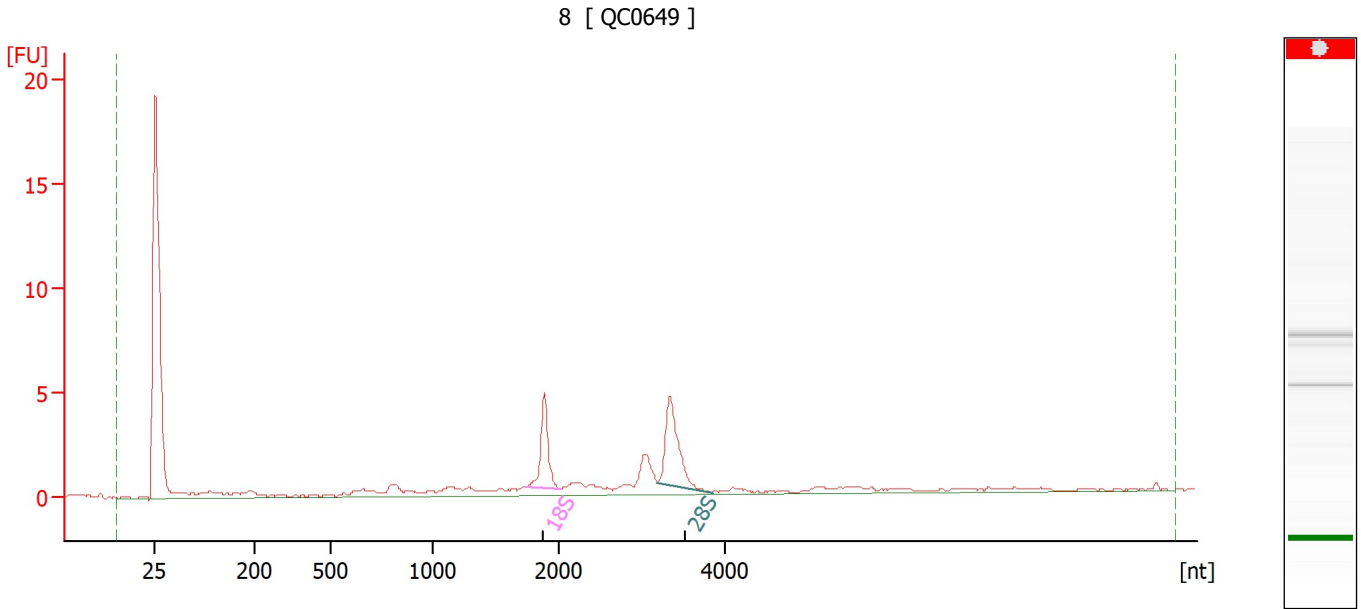
Fragment table for sample 7 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,994	1.0	4.3
28S	3,192	3,818	1.6	6.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8

RNA Area:	34.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

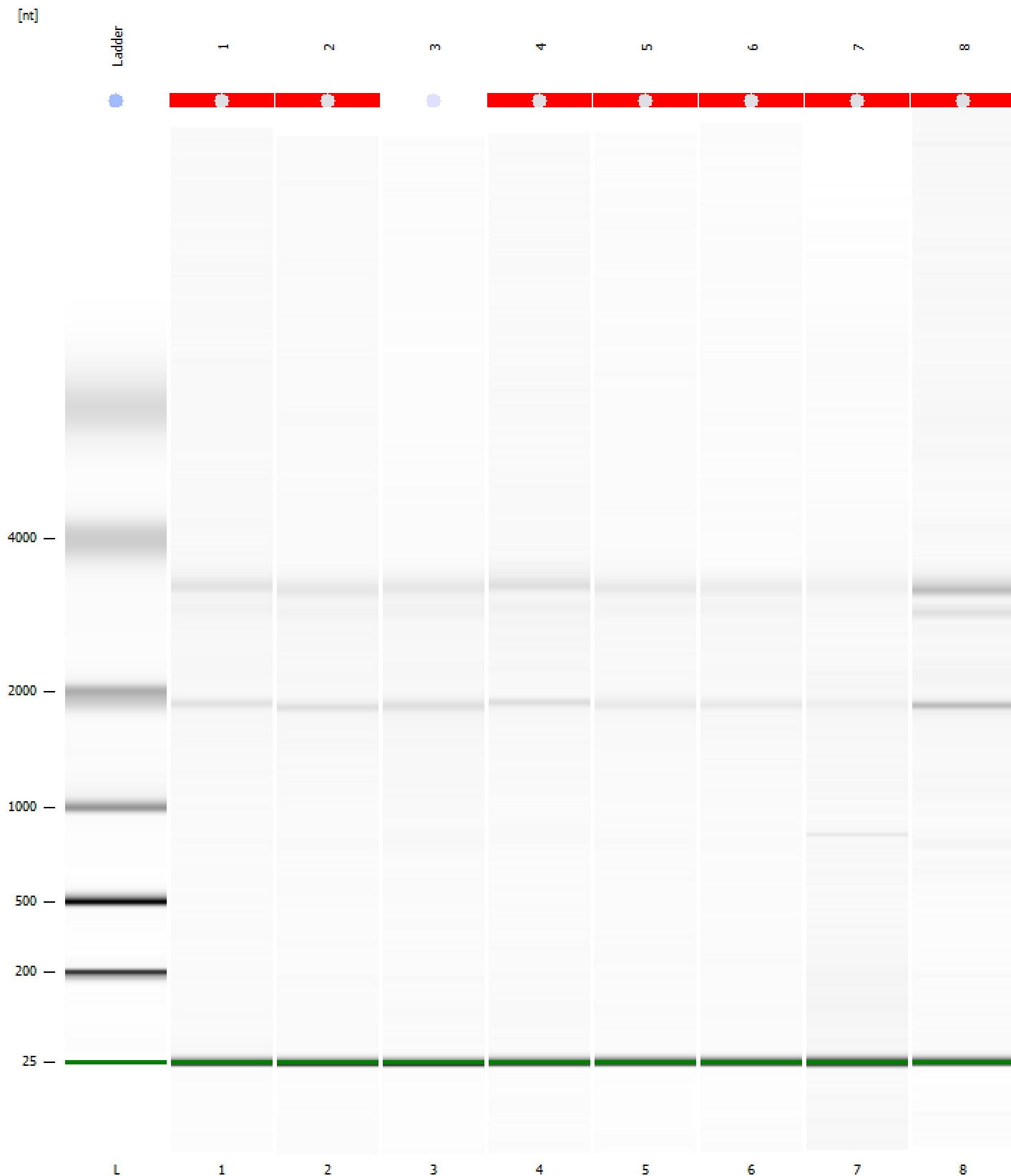
Fragment table for sample 8 : 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,012	4.7	13.6
28S	3,183	3,839	6.5	18.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
Modified: 8/28/2020 4:34:22 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM
 Modified: 8/28/2020 4:34:22 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		8/28/2020 4:30:14 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-28\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-08-28_001.xad)		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB