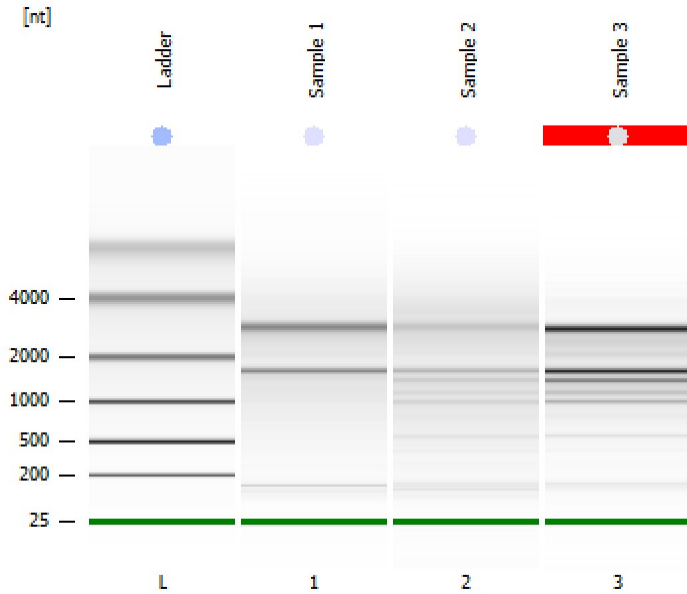


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

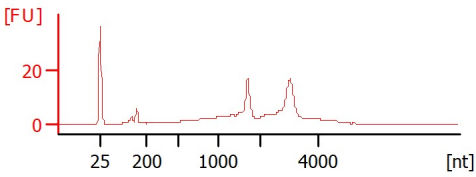
Assay Information:

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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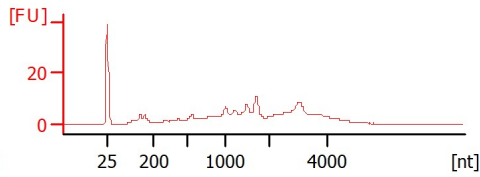
Chip Information:

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

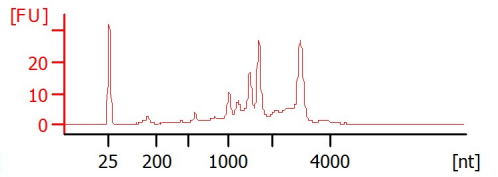
Sample 1
Liu 1
RIN: 8.10



Sample 2
Liu 2
RIN: 5.90



Sample 3
Liu3
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 4:20:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	Liu 1	✓	RIN: 8.10	
Sample 2	Liu 2	✓	RIN: 5.90	
Sample 3	Liu3	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 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

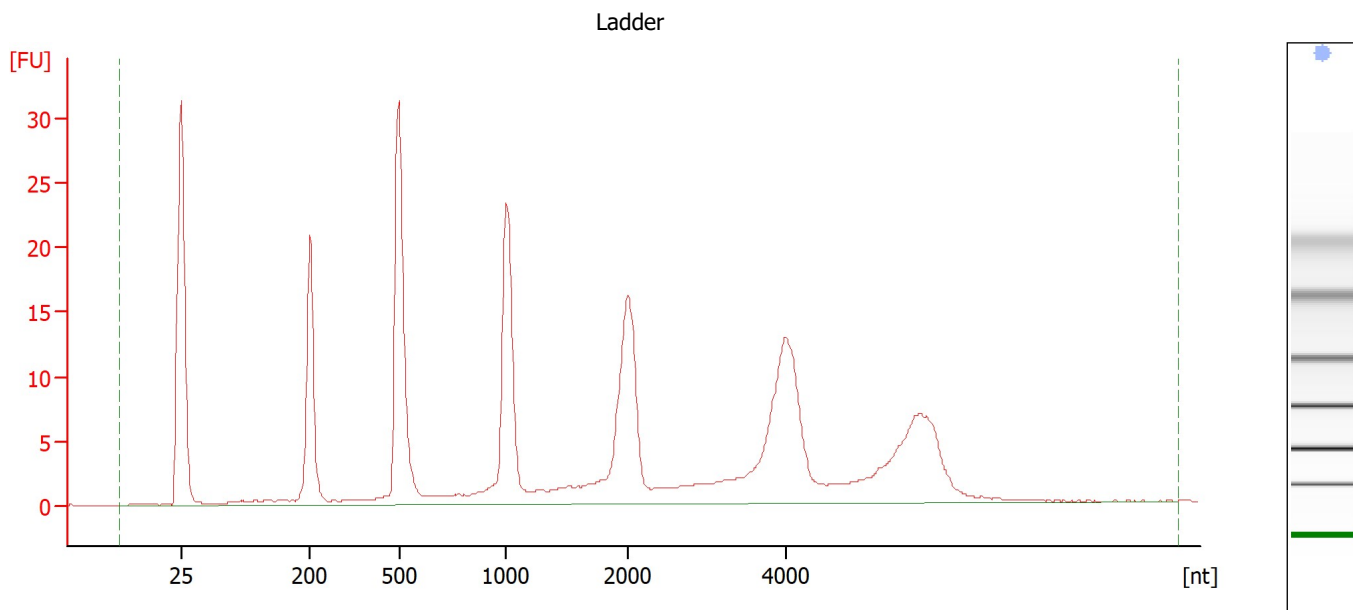
Ladder

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\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 PM

Electropherogram Summary



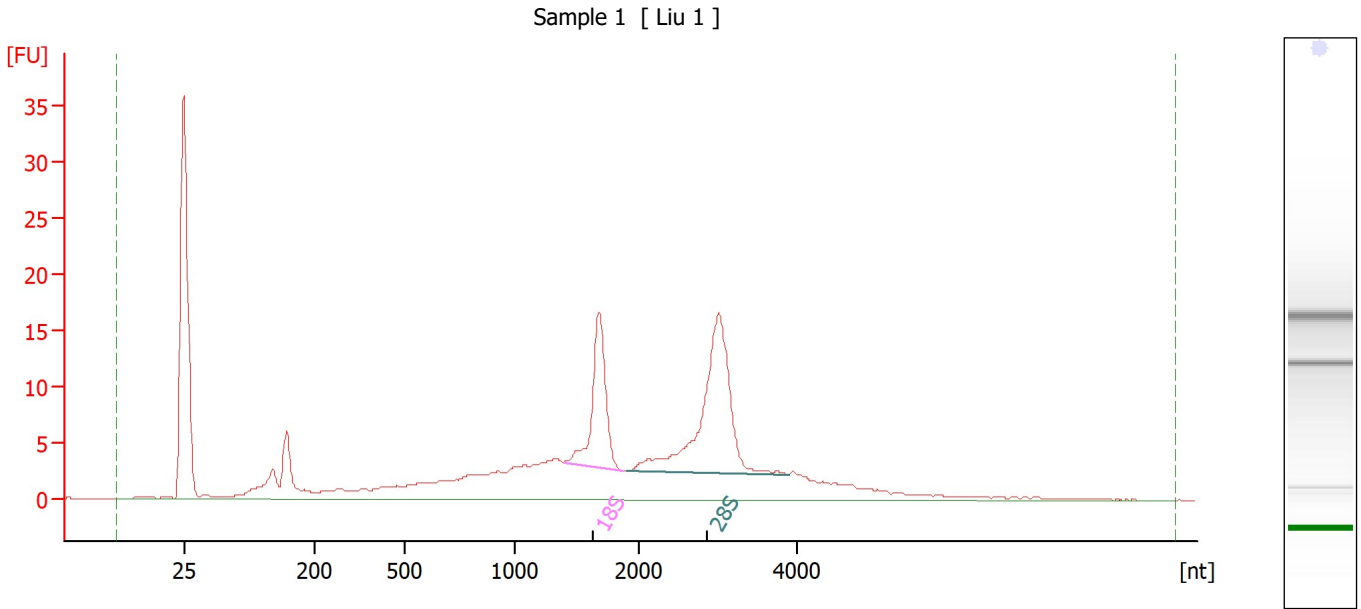
Overall Results for Ladder

RNA Area:	263.9	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\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	226.4	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	858 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.10

Fragment table for sample 1 : Sample 1

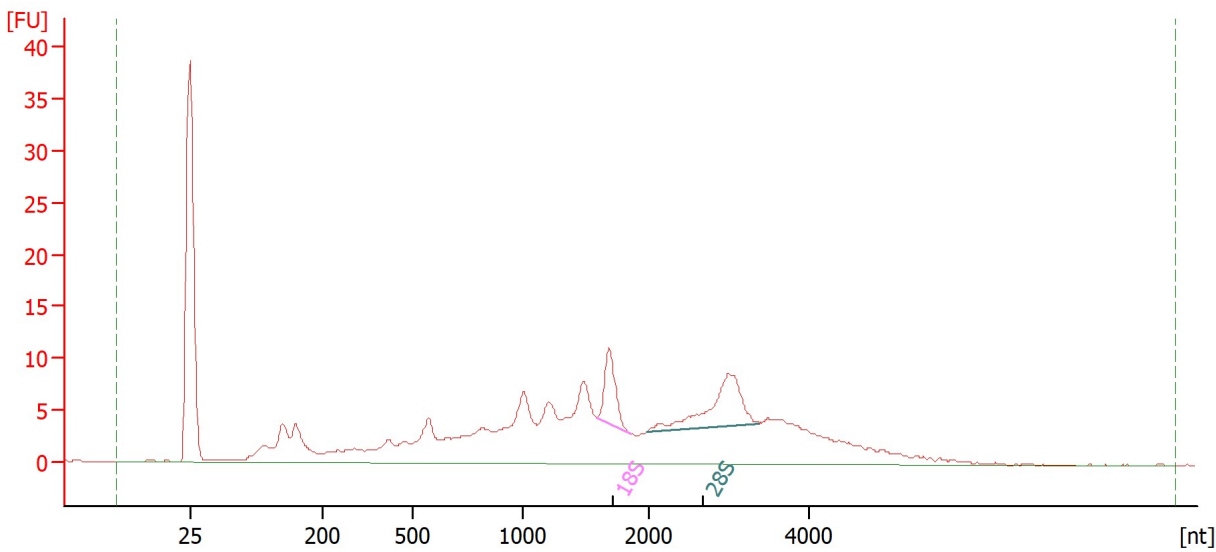
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,406	1,873	23.4	10.3
28S	1,908	3,884	46.7	20.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 PM

Electropherogram Summary Continued ...

Sample 2 [Liu 2]



Overall Results for sample 2 : Sample 2

RNA Area: 258.8 RNA Integrity Number (RIN): 5.9 (B.02.10)
RNA Concentration: 981 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 5.90

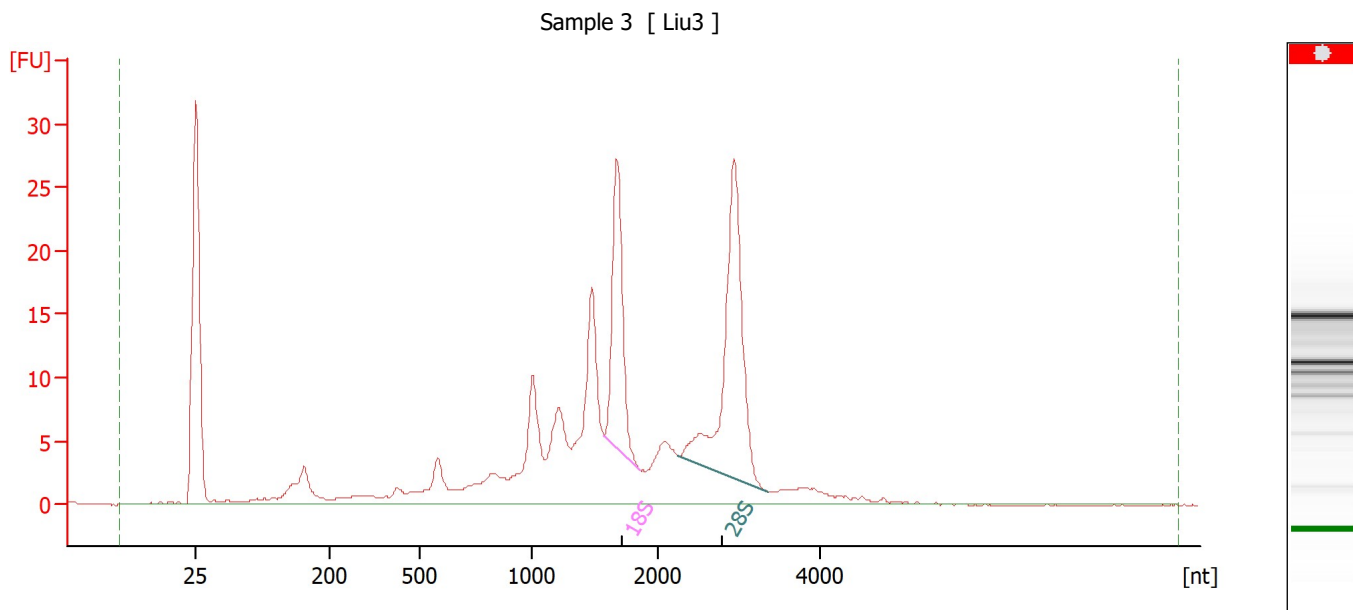
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,860	9.9	3.8
28S	1,980	3,376	18.2	7.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 4:20:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	254.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	966 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN N/A

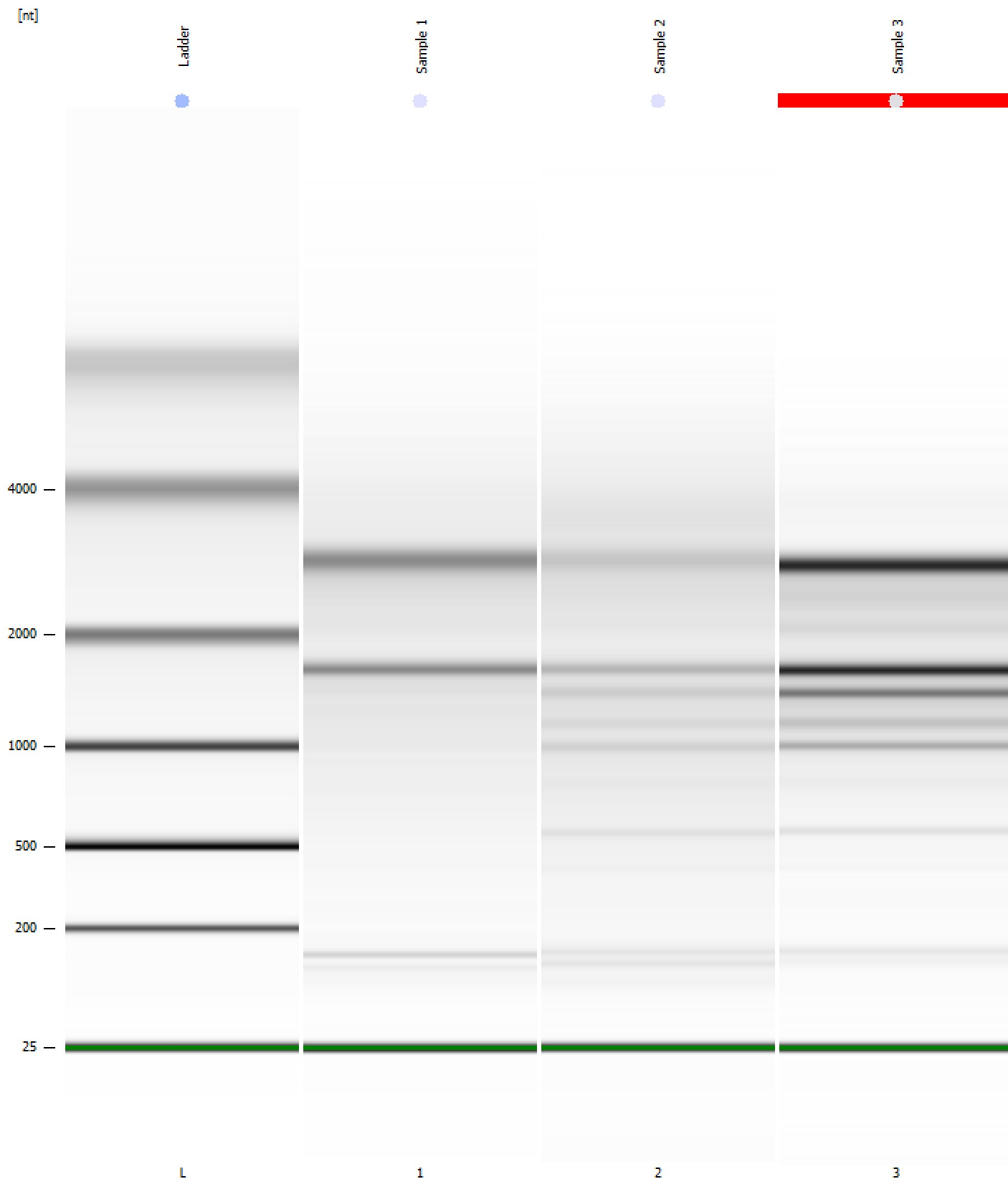
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,862	28.7	11.3
28S	2,262	3,370	50.7	19.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 4:20:55 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\Liu_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 4:20:55 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		1/30/2020 3:21:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-30\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-01-30_002.xad)		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB