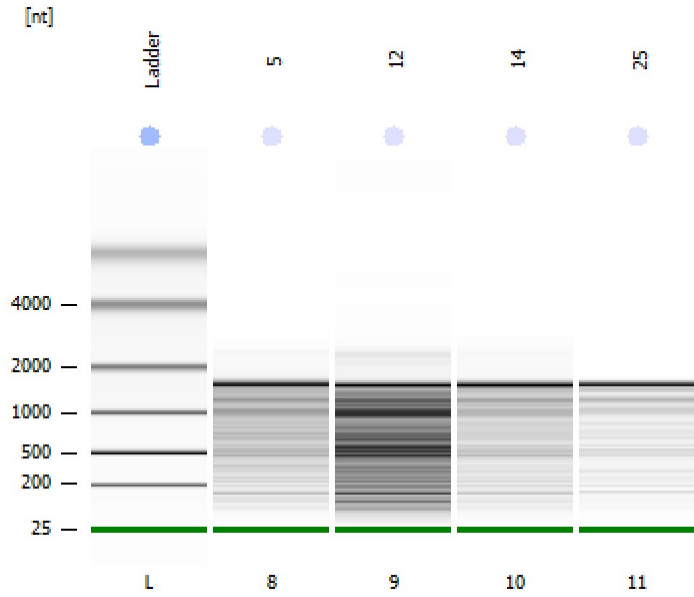


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:40:11 PM

Electrophoresis File Run Summary



Instrument Information:

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

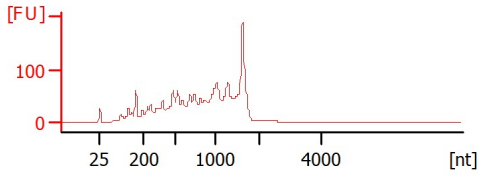
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

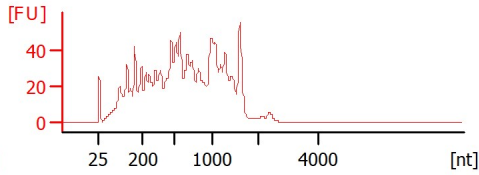
Chip Information:

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

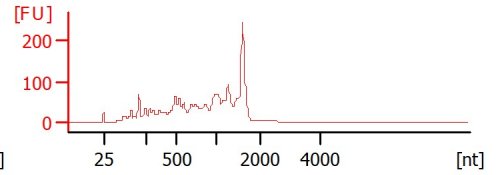
HiSeq2032 (1:2)
RIN: 5



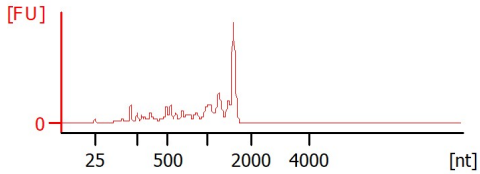
HiSeq2032
RIN: 3.70



HiSeq2032
RIN: 5.20



HiSeq2032 (1:2)
RIN: 5.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:40:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
5	HiSeq2032 (1:2)	✓	RIN:5	
12	HiSeq2032	✓	RIN: 3.70	
14	HiSeq2032	✓	RIN: 5.20	
25	HiSeq2032 (1:2)	✓	RIN: 5.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:40:11 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

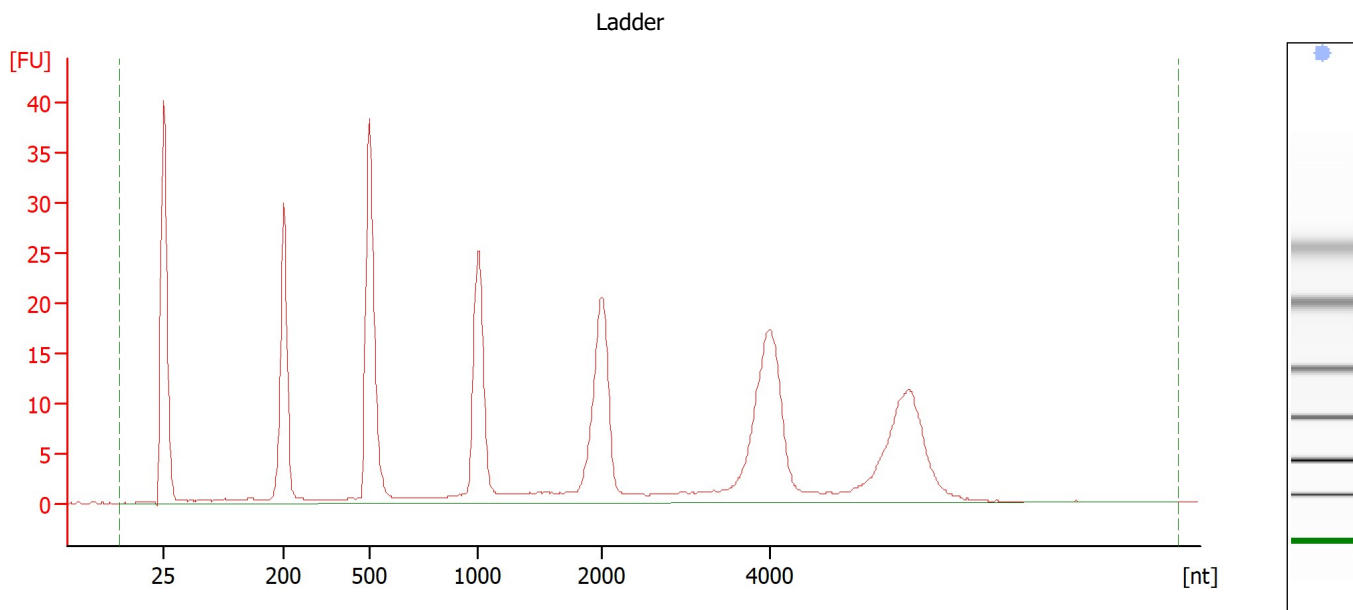
Ladder

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\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:40:11 PM

Electropherogram Summary



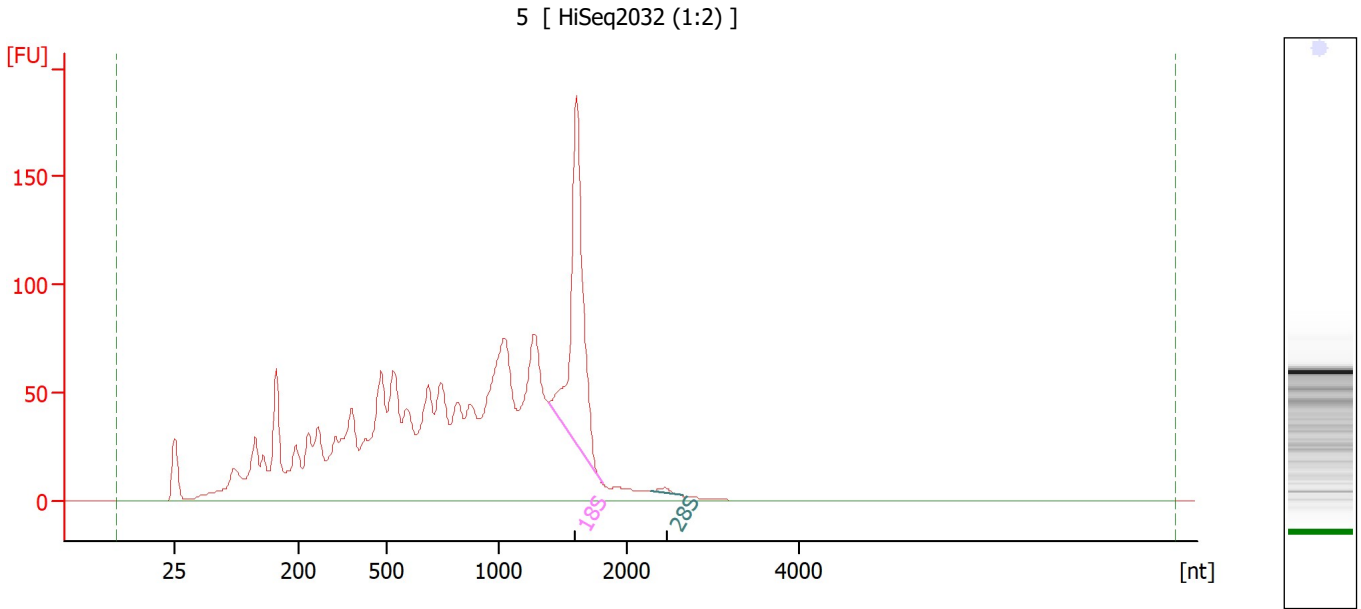
Overall Results for Ladder

RNA Area:	317.5	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\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:40:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 5

RNA Area:	2,170.3	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	6,836 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

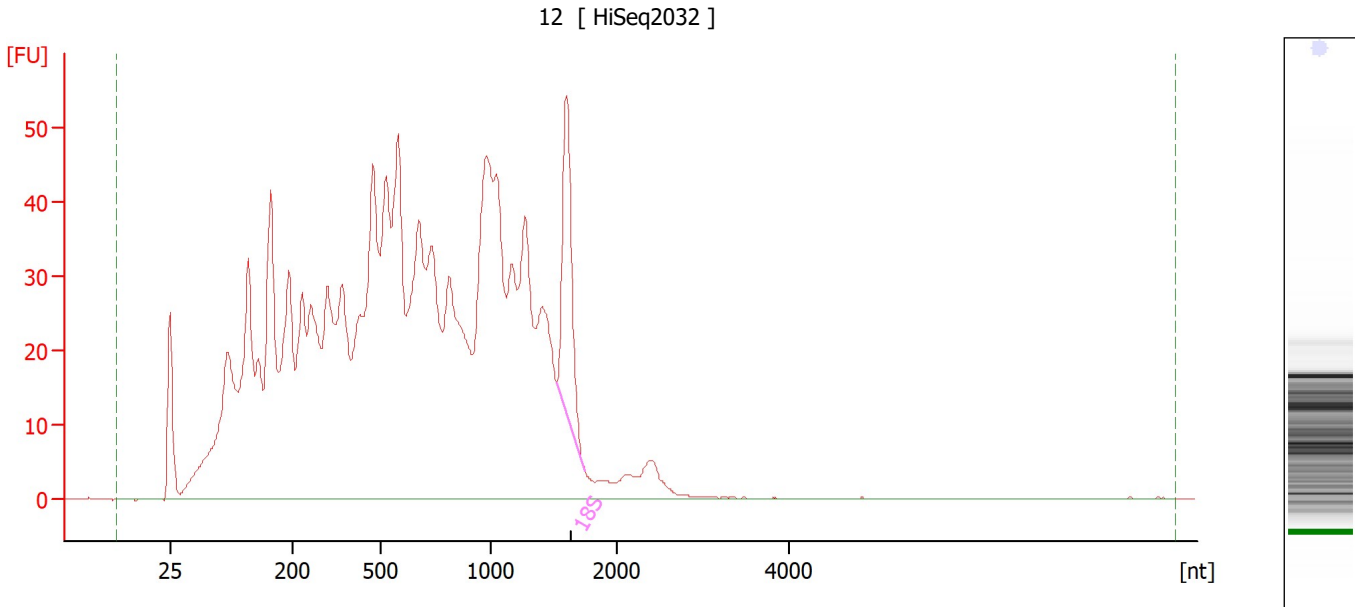
Fragment table for sample 8 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,394	1,812	254.9	11.7
28S	2,292	2,650	3.9	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:40:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 12

RNA Area:	1,493.6	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	4,704 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

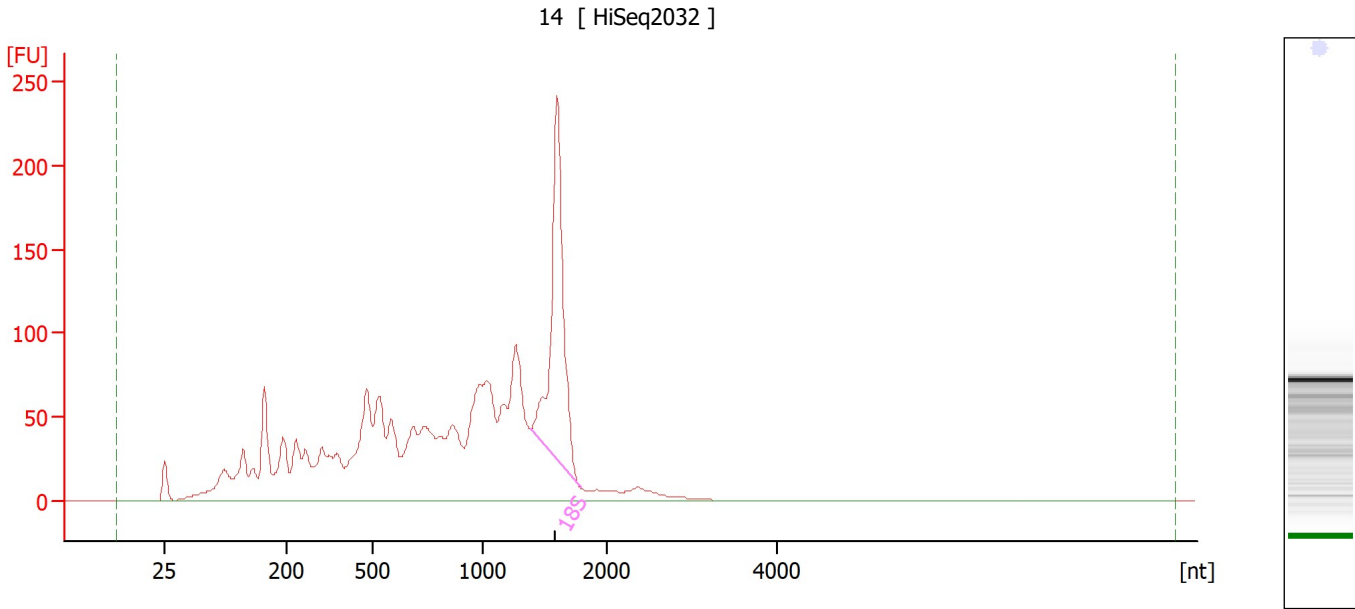
Fragment table for sample 9 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,741	50.4	3.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:40:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 14

RNA Area:	2,308.3	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	7,271 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.20

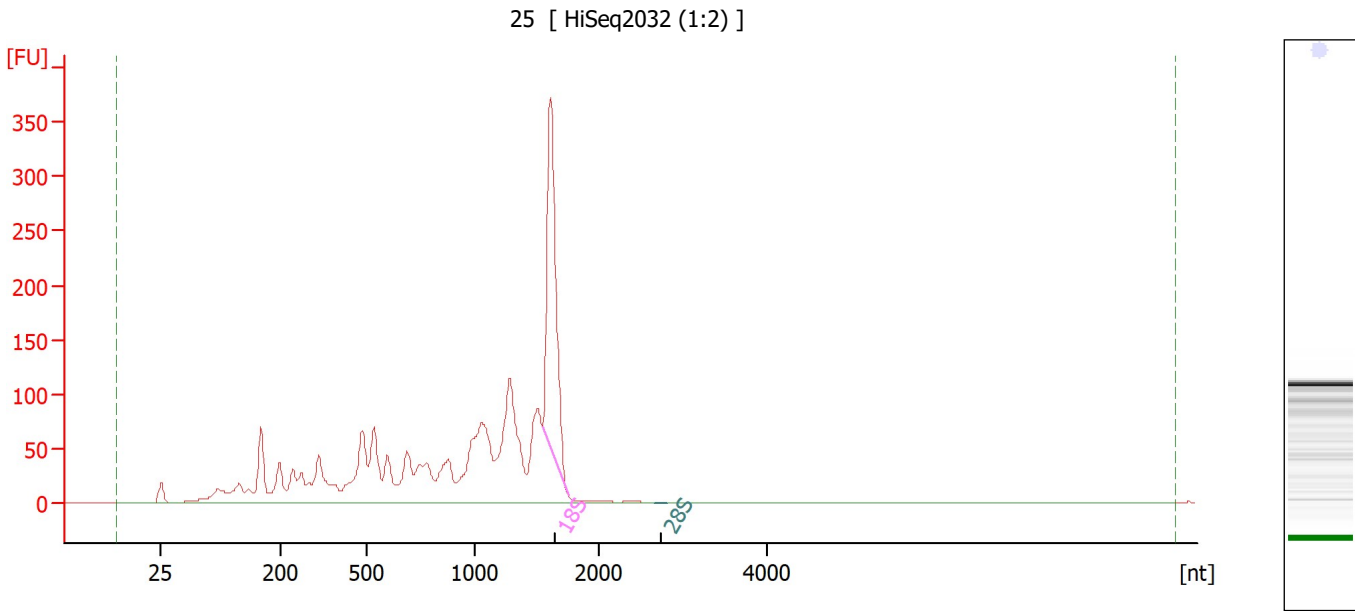
Fragment table for sample 10 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,386	1,788	351.4	15.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:40:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 25

RNA Area:	2,108.9	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	6,642 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

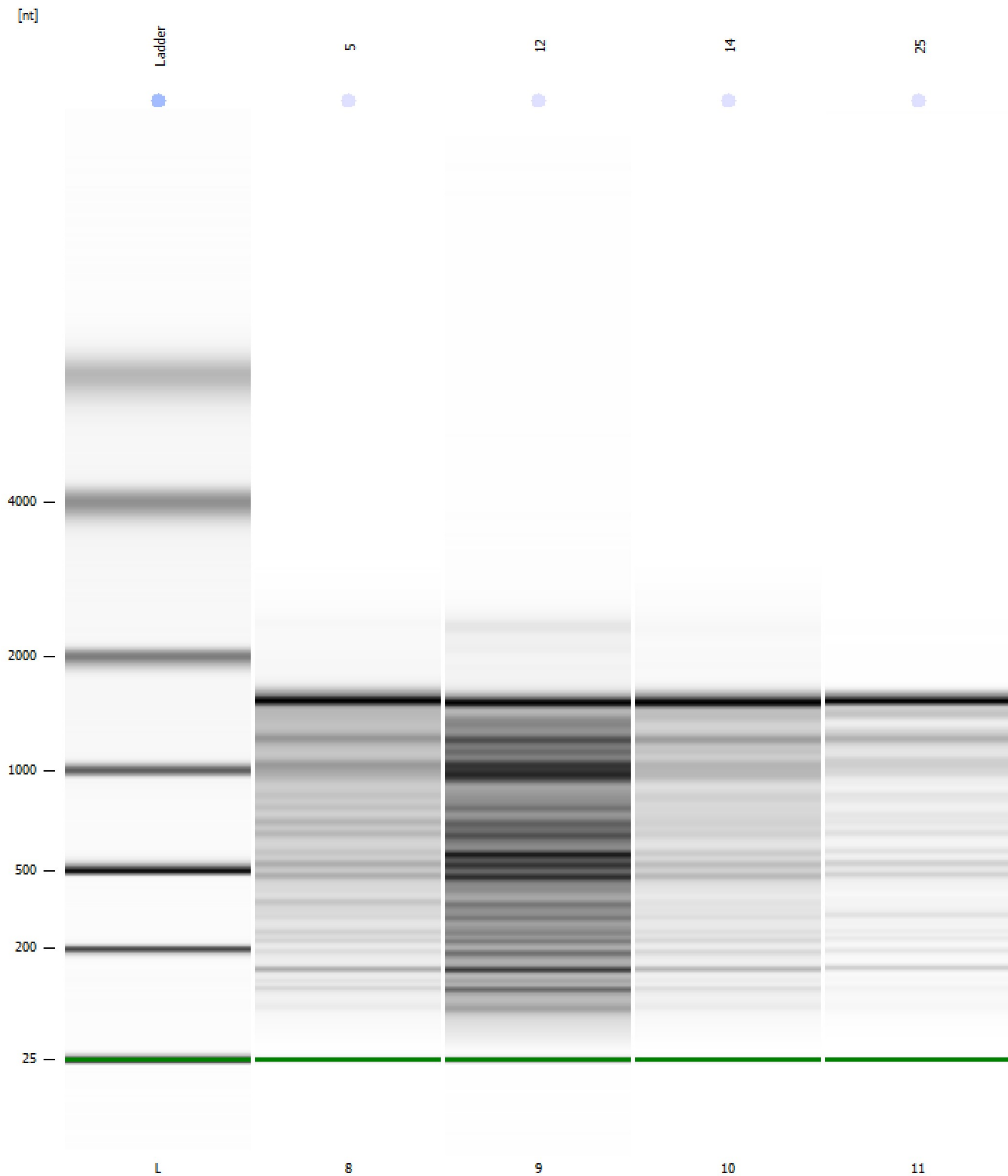
Fragment table for sample 11 : 25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	1,750	371.9	17.6
28S	2,675	2,815	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:40:11 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\HiSeq2032_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:40:11 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		3/6/2020 12:29:06 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-06\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-03-06_001.xad)		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/6/2020 12:06:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB