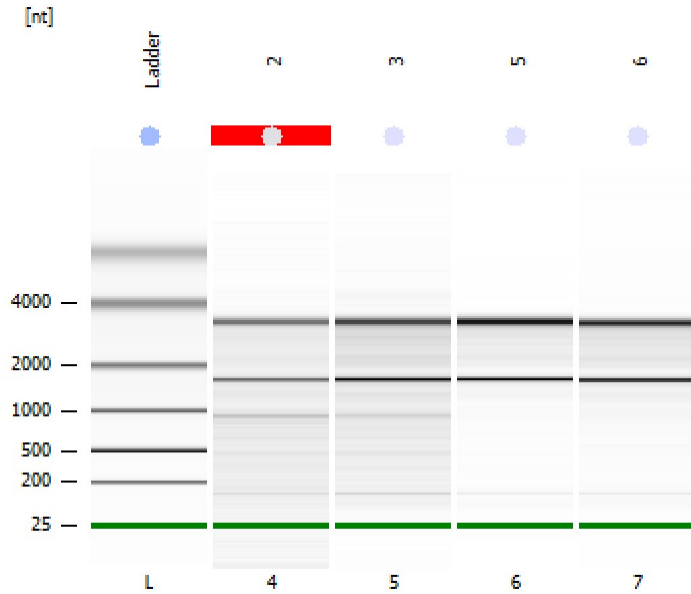


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

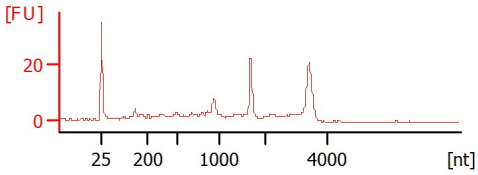
Assay Information:

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.

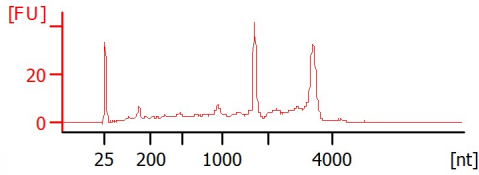
Chip Information:

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

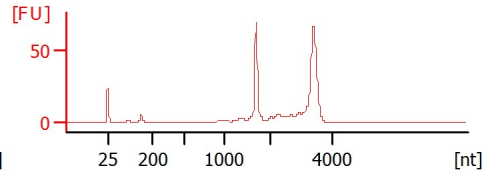
2
NovaSeq189
RIN N/A



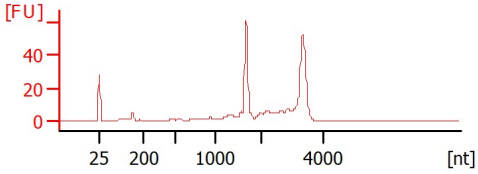
3
NovaSeq189
RIN: 7.40



5
NovaSeq189
RIN: 9.60



6
NovaSeq189
RIN: 9



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:39:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2	NovaSeq189	✓	RIN N/A	
3	NovaSeq189	✓	RIN: 7.40	
5	NovaSeq189	✓	RIN: 9.60	
6	NovaSeq189	✓	RIN:9	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 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

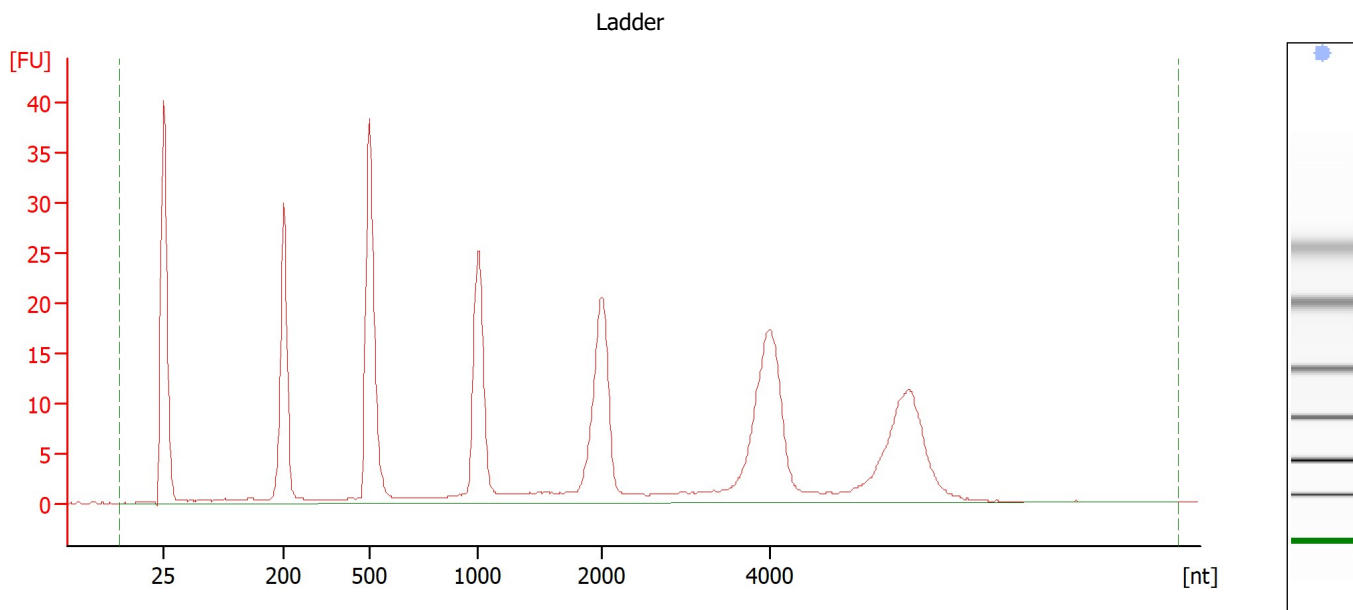
Ladder

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\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 PM

Electropherogram Summary



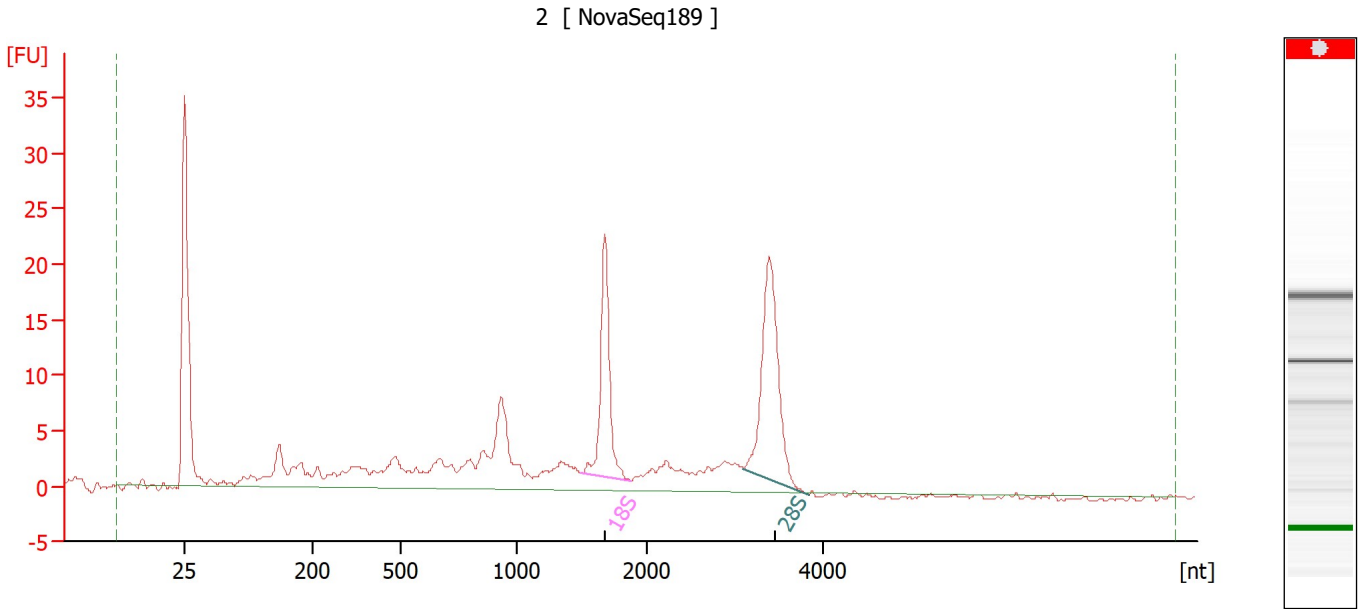
Overall Results for Ladder

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\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2

RNA Area:	186.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	589 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

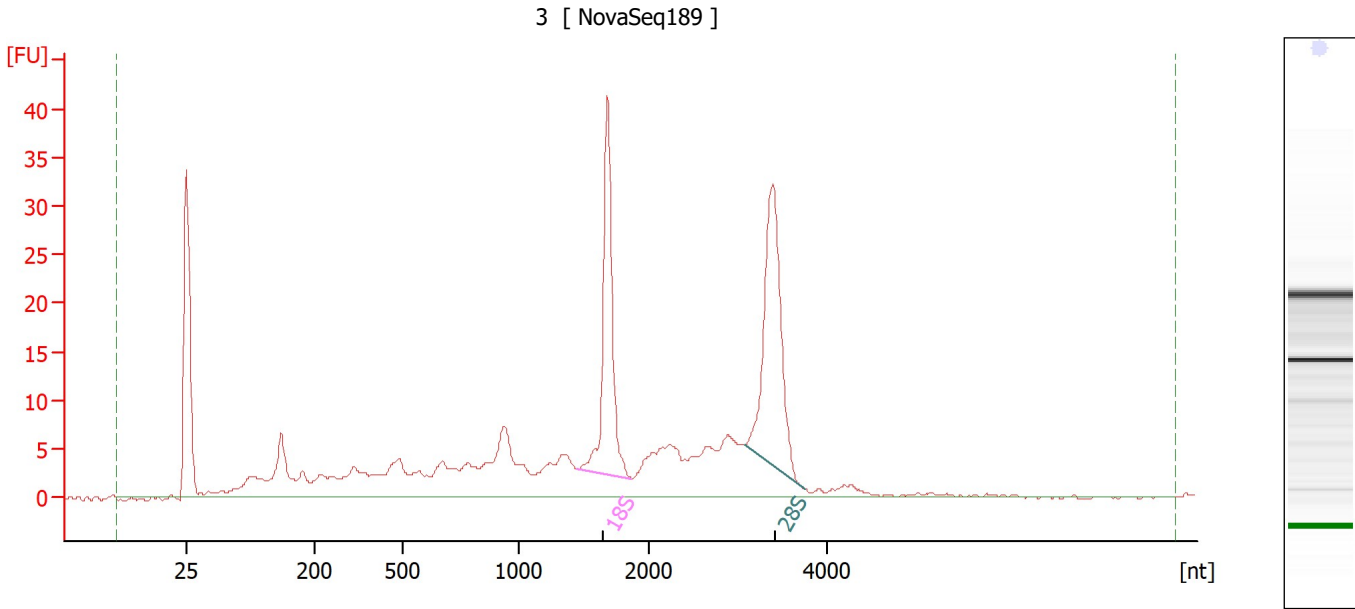
Fragment table for sample 4 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,878	25.7	13.7
28S	3,089	3,827	35.3	18.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 3

RNA Area:	330.6	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	1,041 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

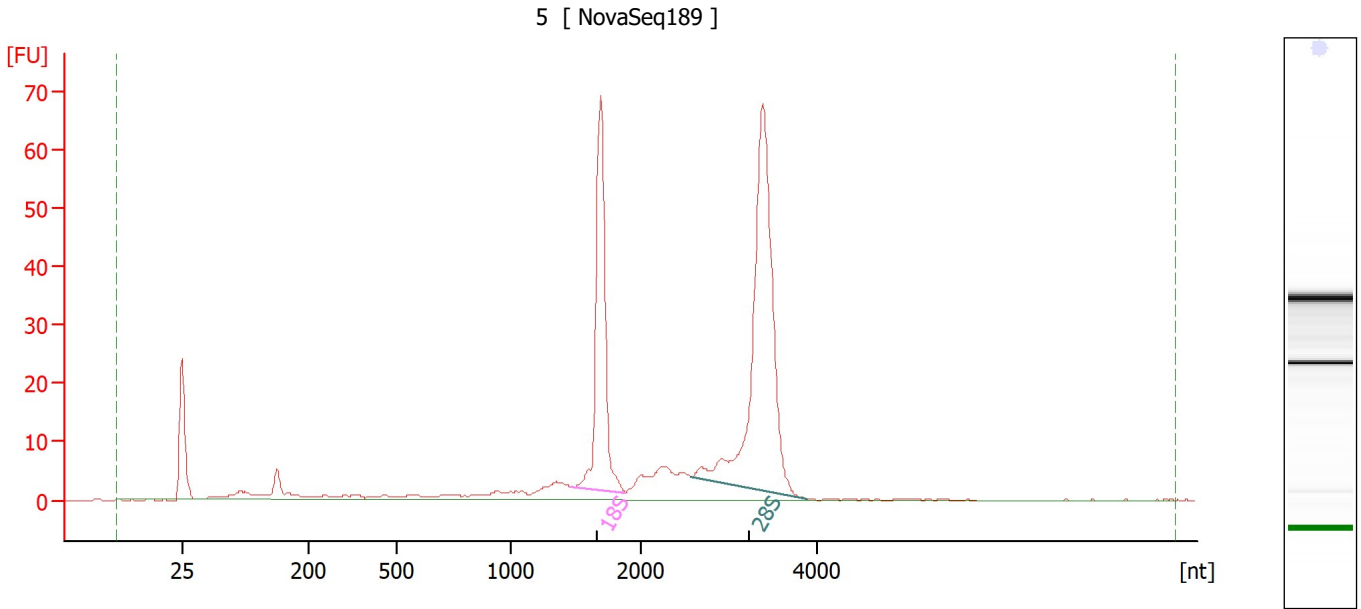
Fragment table for sample 5 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,862	46.0	13.9
28S	3,076	3,751	52.7	16.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 5

RNA Area:	337.4	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	1,063 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.60

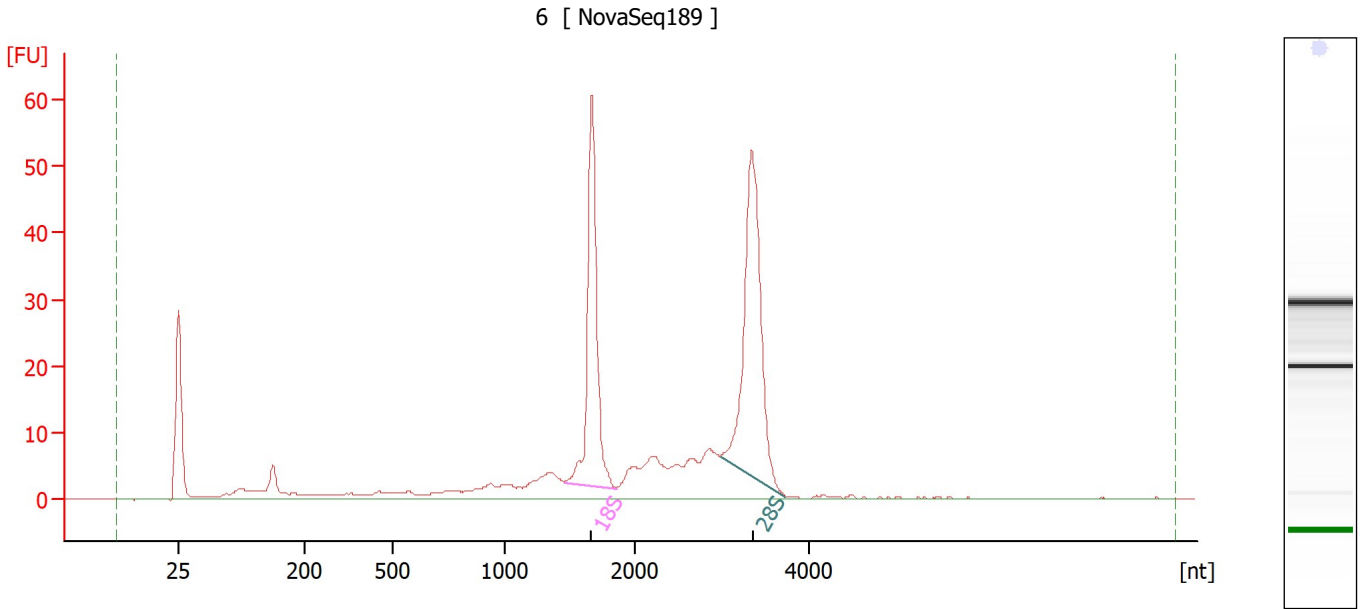
Fragment table for sample 6 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,884	76.9	22.8
28S	2,584	3,898	140.5	41.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 6

RNA Area: 325.9 RNA Integrity Number (RIN): 9 (B.02.10)
RNA Concentration: 1,026 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:9

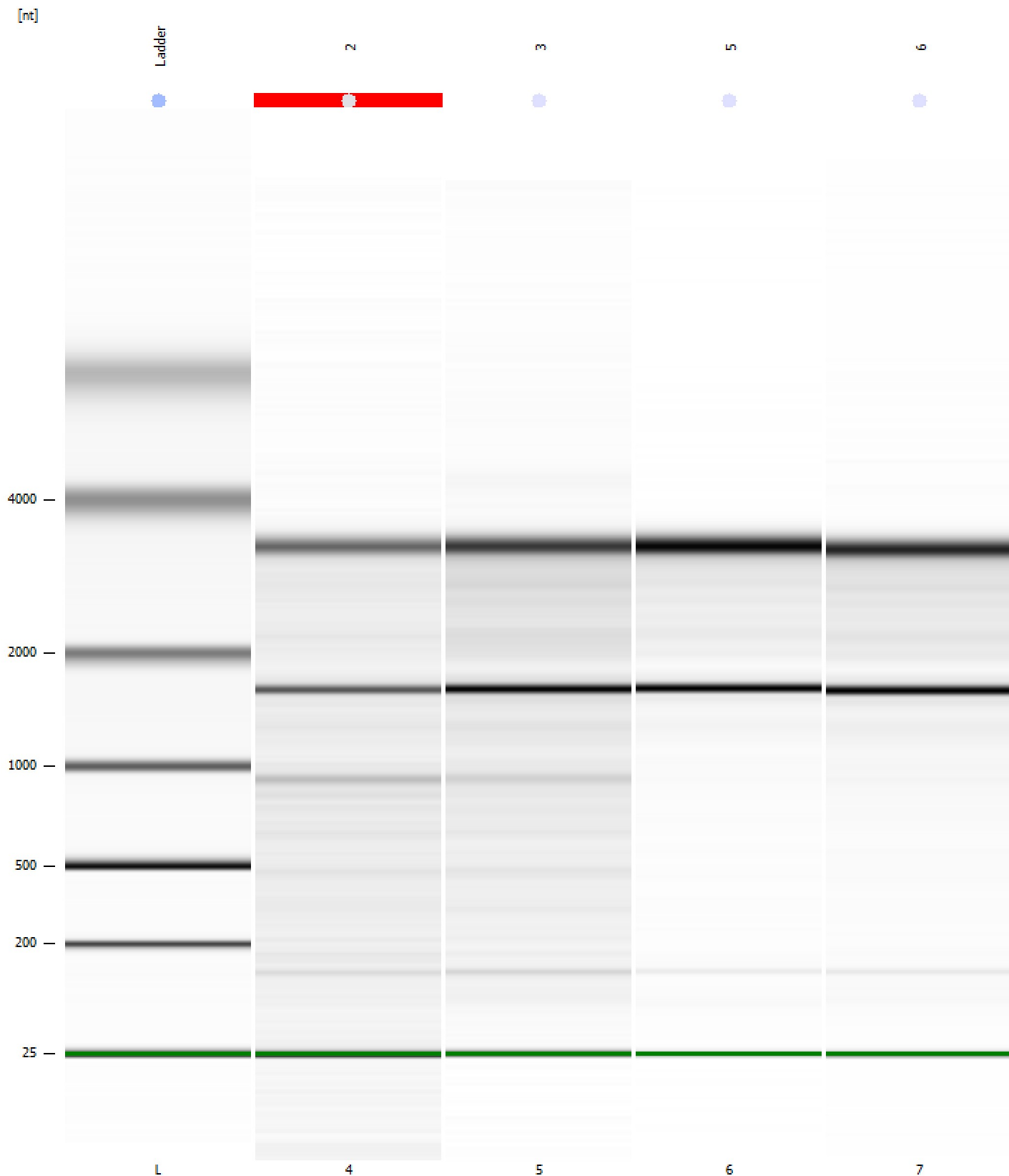
Fragment table for sample 7 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,857	71.2	21.8
28S	2,990	3,738	87.9	27.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
Modified: 3/6/2020 12:39:30 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-03-06\NovaSeq189_RNAQC.xad

Created: 3/6/2020 12:06:08 PM
 Modified: 3/6/2020 12:39:30 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