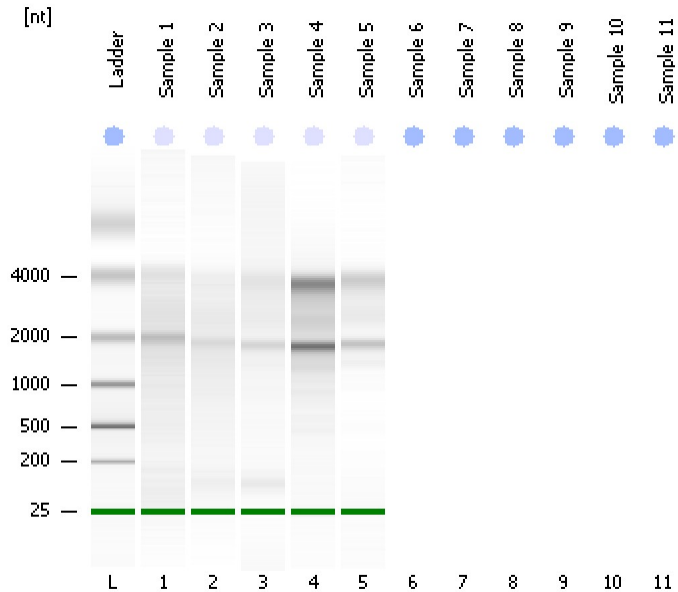


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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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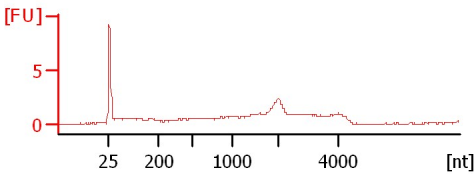
Chip Information:

Chip Lot #:

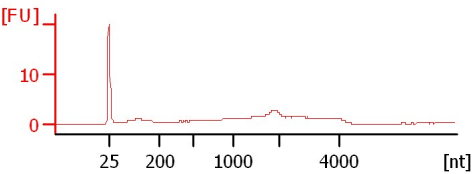
Reagent Kit Lot #:

Chip Comments:

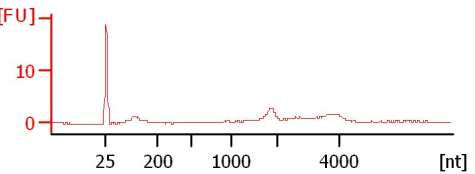
Sample 1
RIN: 4.40



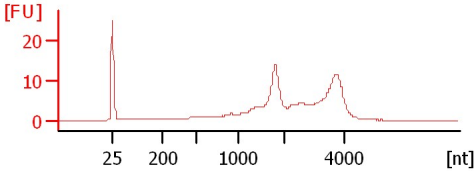
Sample 2
RIN: 3.30



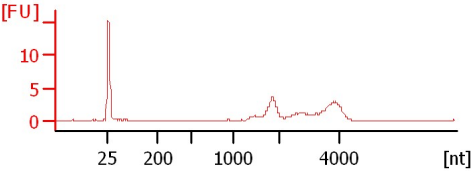
Sample 3
RIN: 6.40



Sample 4
RIN: 8.70



Sample 5
RIN: 9.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
 Modified: 10/24/2016 3:20:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 4.40	
Sample 2		✓	RIN: 3.30	
Sample 3		✓	RIN: 6.40	
Sample 4		✓	RIN: 8.70	
Sample 5		✓	RIN: 9.40	
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

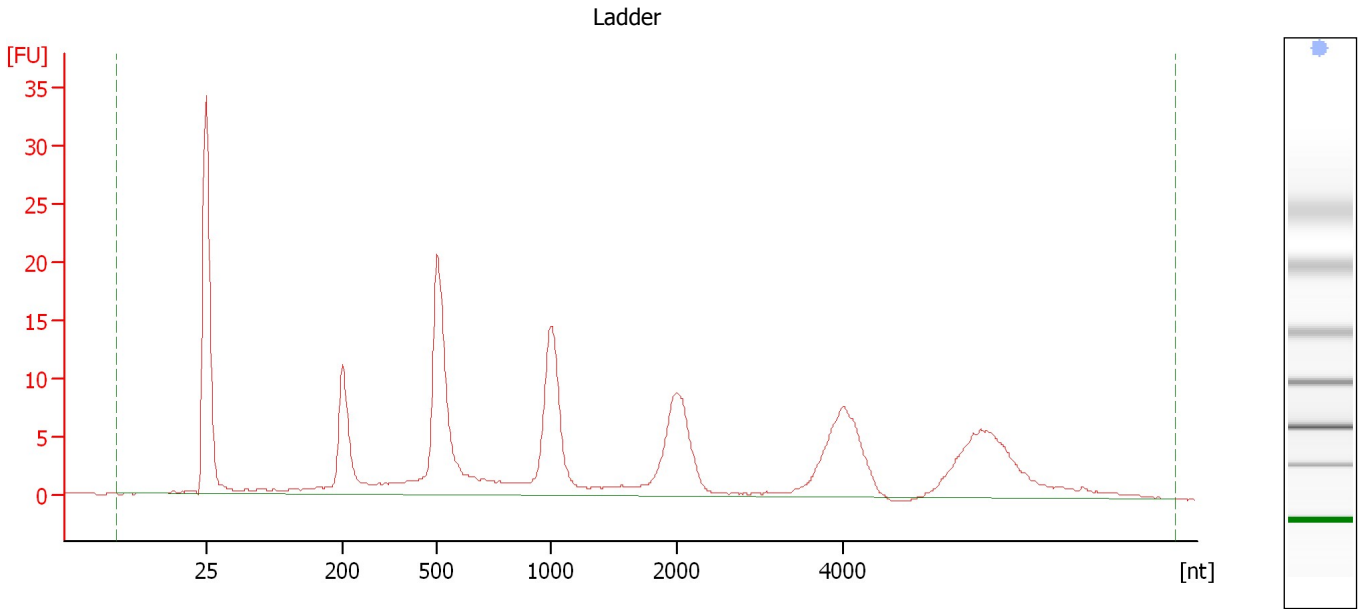
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary



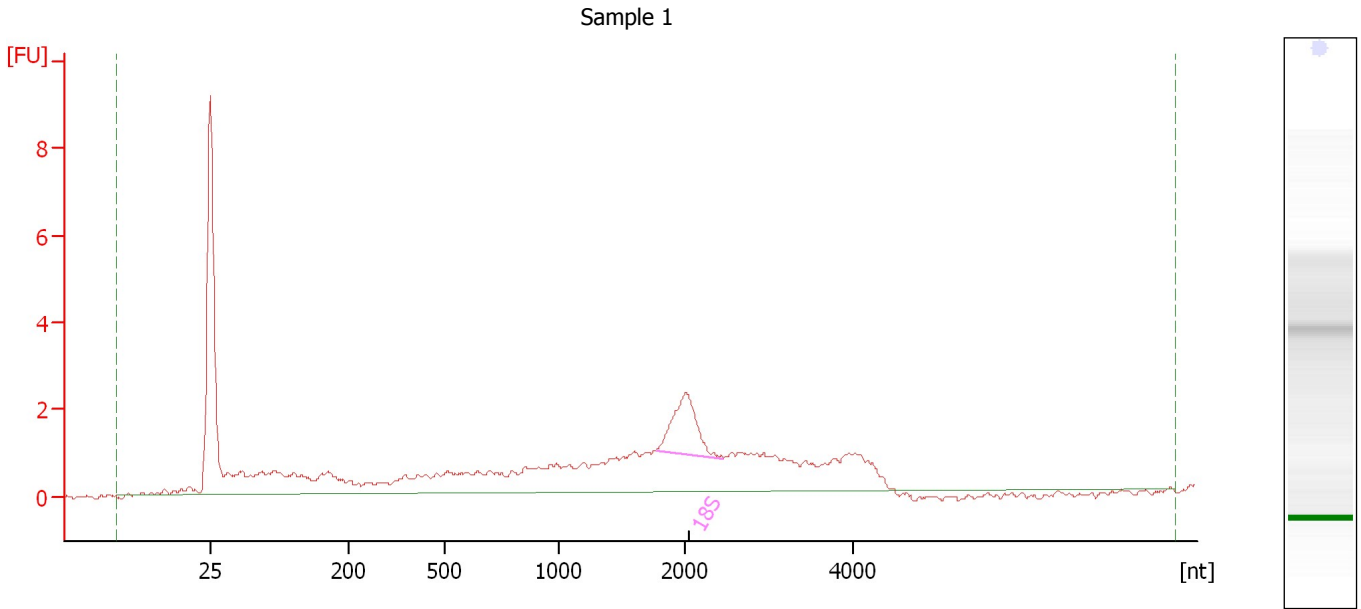
Overall Results for Ladder

RNA Area:	223.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	50.9	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	228 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.40

Fragment table for sample 1 : Sample 1

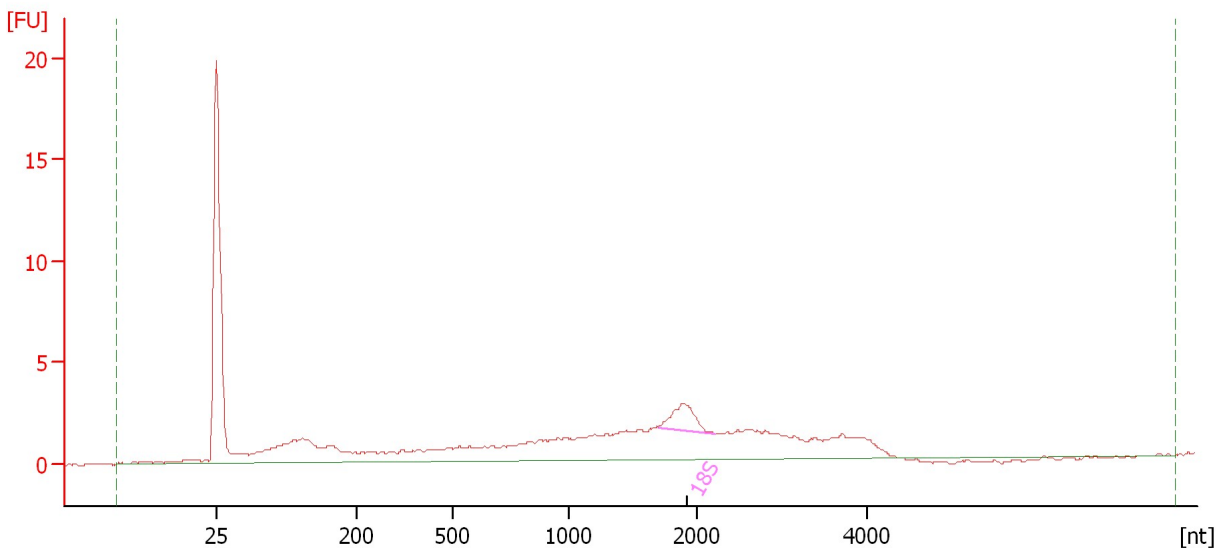
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,775	2,461	3.8	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

RNA Area:	78.2	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	350 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

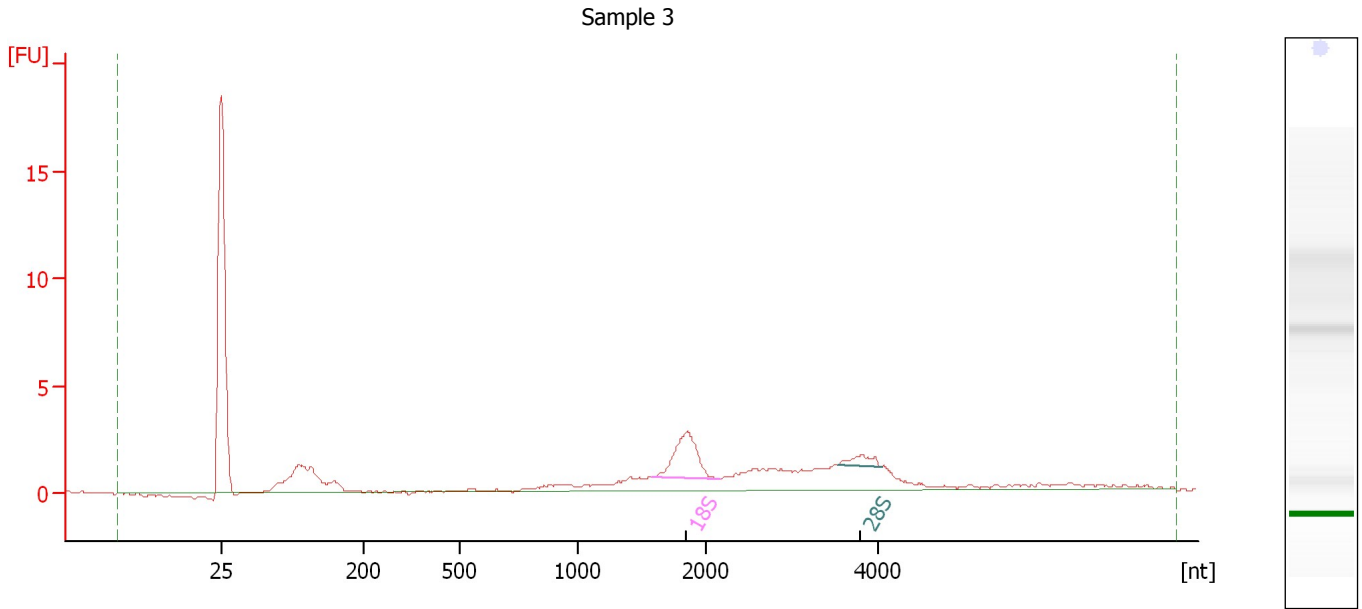
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,196	3.4	4.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	43.7	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	196 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 6.40

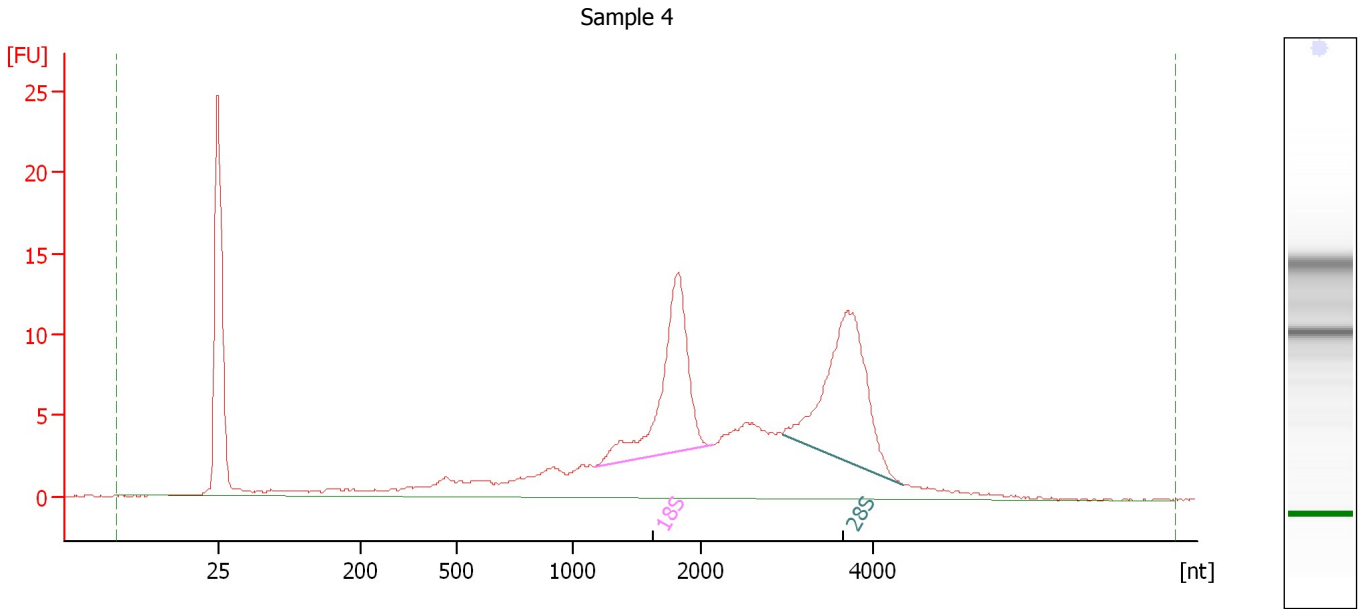
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	2,161	5.8	13.3
28S	3,518	4,041	1.1	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	200.4	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	897 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

Fragment table for sample 4 : Sample 4

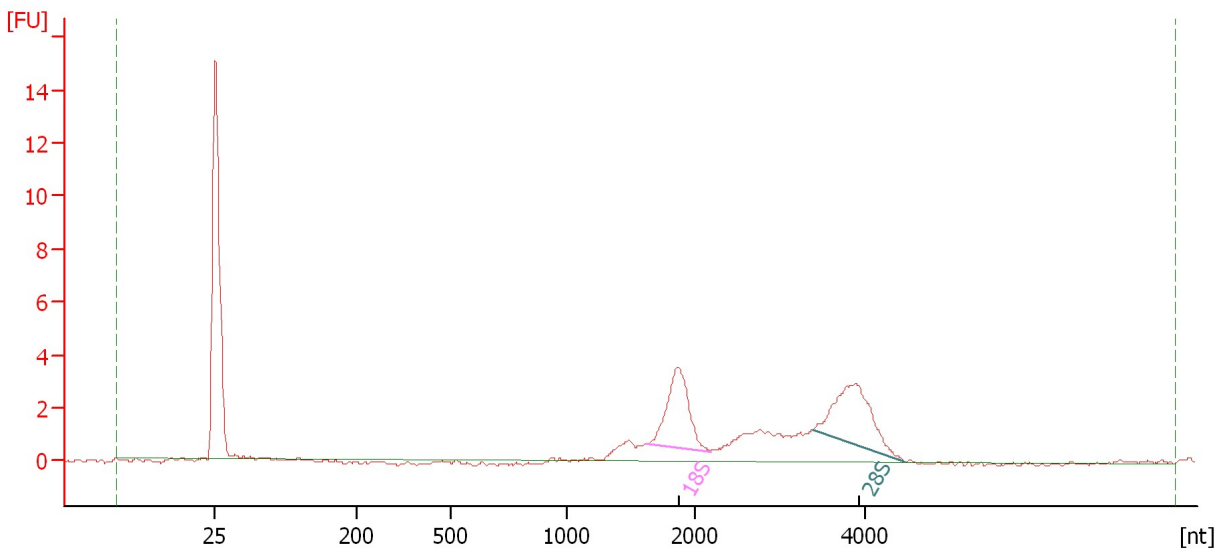
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,180	2,122	34.5	17.2
28S	2,947	4,360	37.9	18.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

RNA Area:	36.5	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	163 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.40

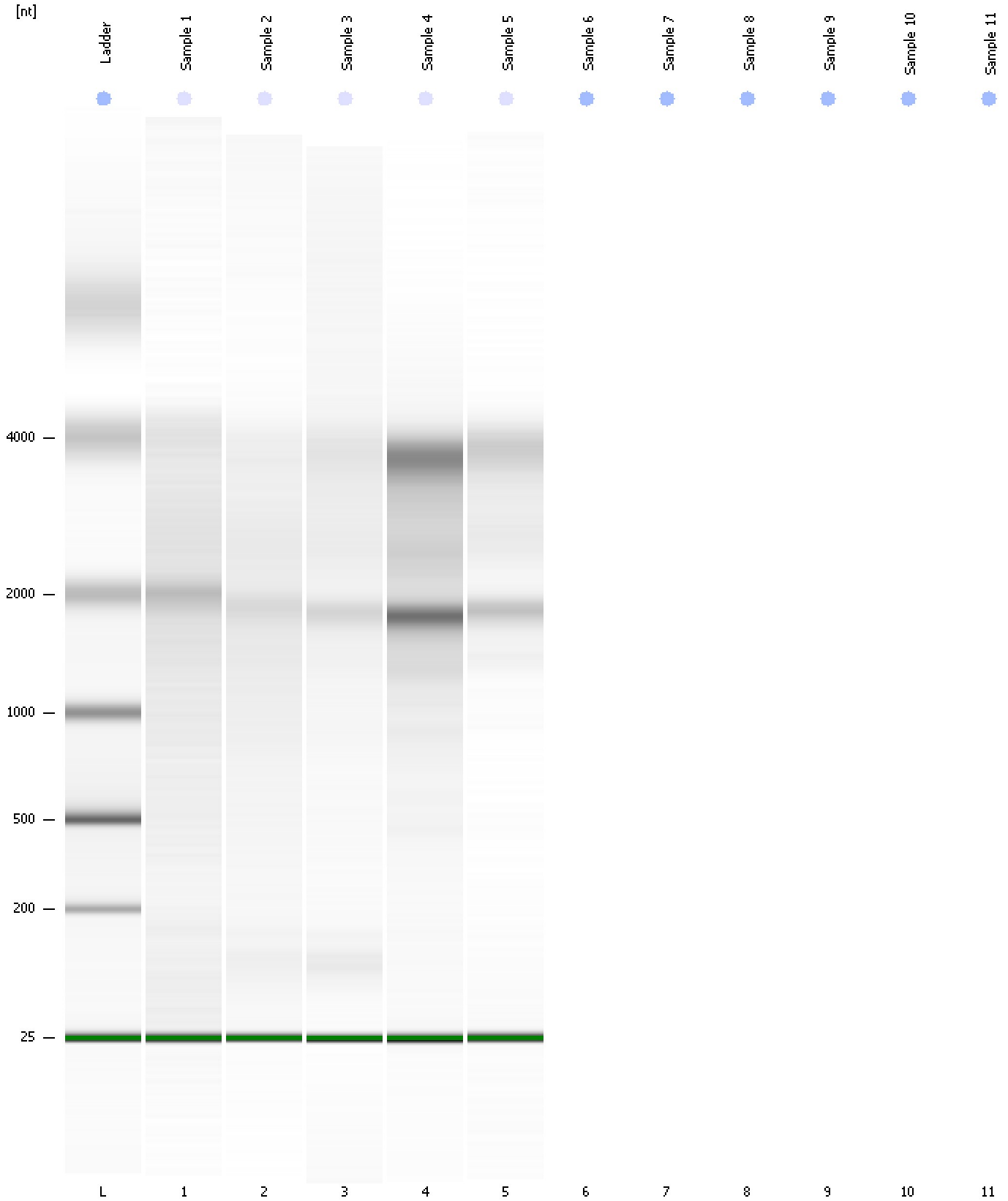
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	2,171	7.8	21.3
28S	3,391	4,473	8.4	22.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
Modified: 10/24/2016 3:20:12 PM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad

Created: 10/24/2016 3:05:54 PM
 Modified: 10/24/2016 3:20:12 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/24/2016 3:20:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-24\2016-10-24_003.xad)		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/24/2016 3:06:00 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1