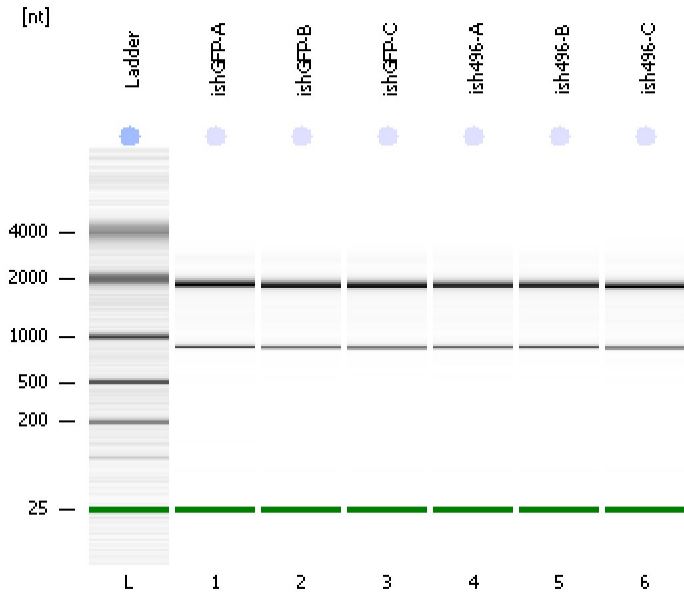


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:07 AM

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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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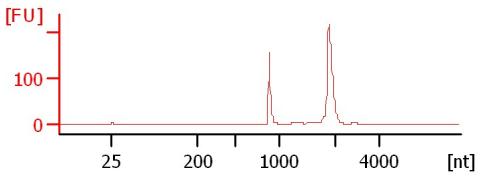
Chip Information:

Chip Lot #:

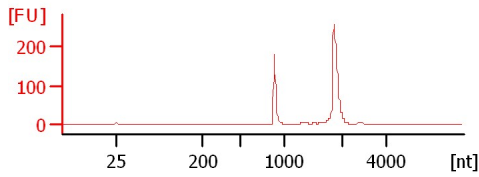
Reagent Kit Lot #:

Chip Comments:

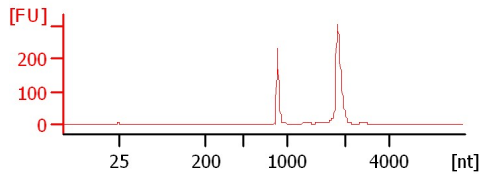
ishGFP-A
RIN:10



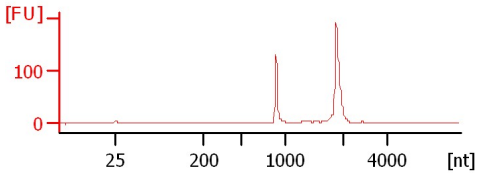
ishGFP-B
RIN:10



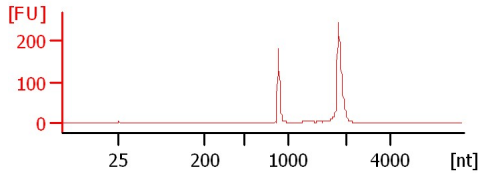
ishGFP-C
RIN:10



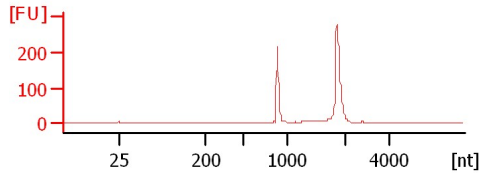
ish496-A
RIN:10



ish496-B
RIN:10



ish496-C
RIN:10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ishGFP-A		✓	RIN:10	
ishGFP-B		✓	RIN:10	
ishGFP-C		✓	RIN:10	
ish496-A		✓	RIN:10	
ish496-B		✓	RIN:10	
ish496-C		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:07 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

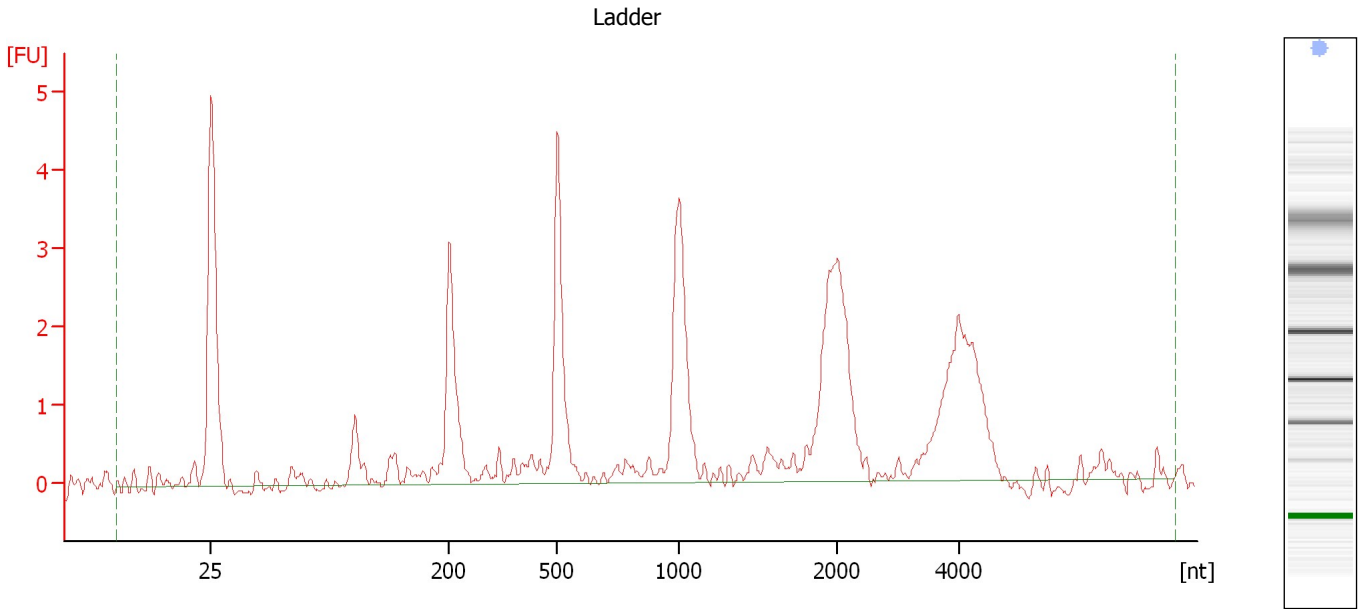
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary



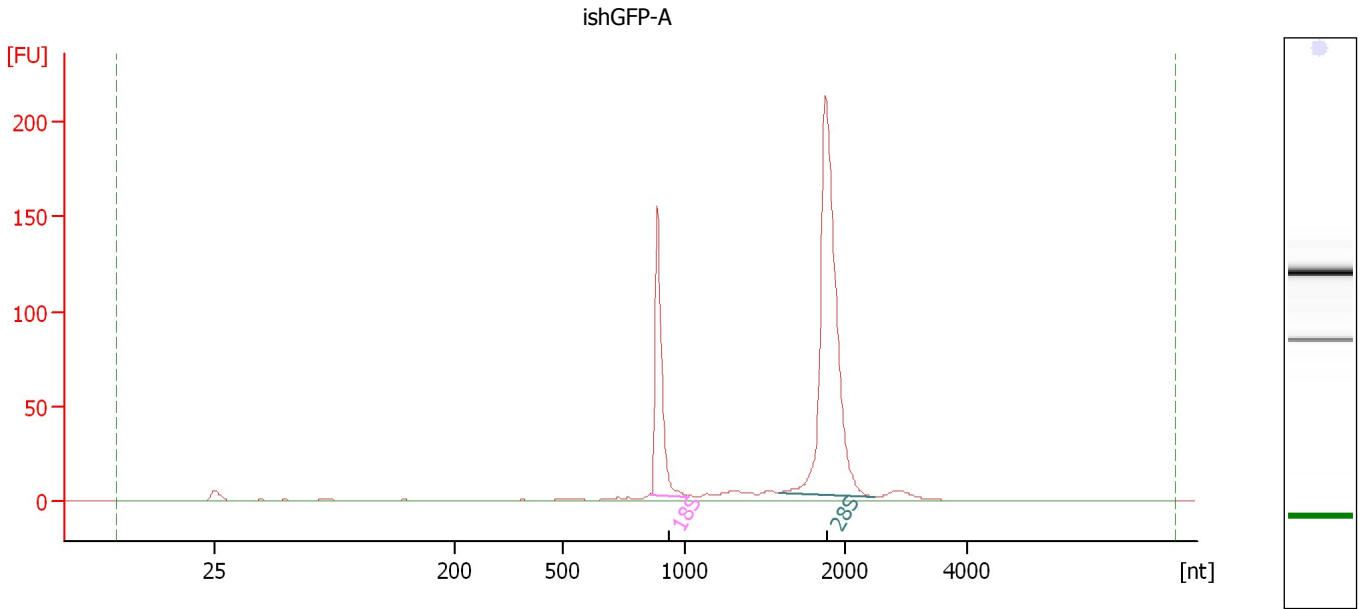
Overall Results for Ladder

RNA Area:	39.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : ishGFP-A

RNA Area:	567.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,159 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN:10

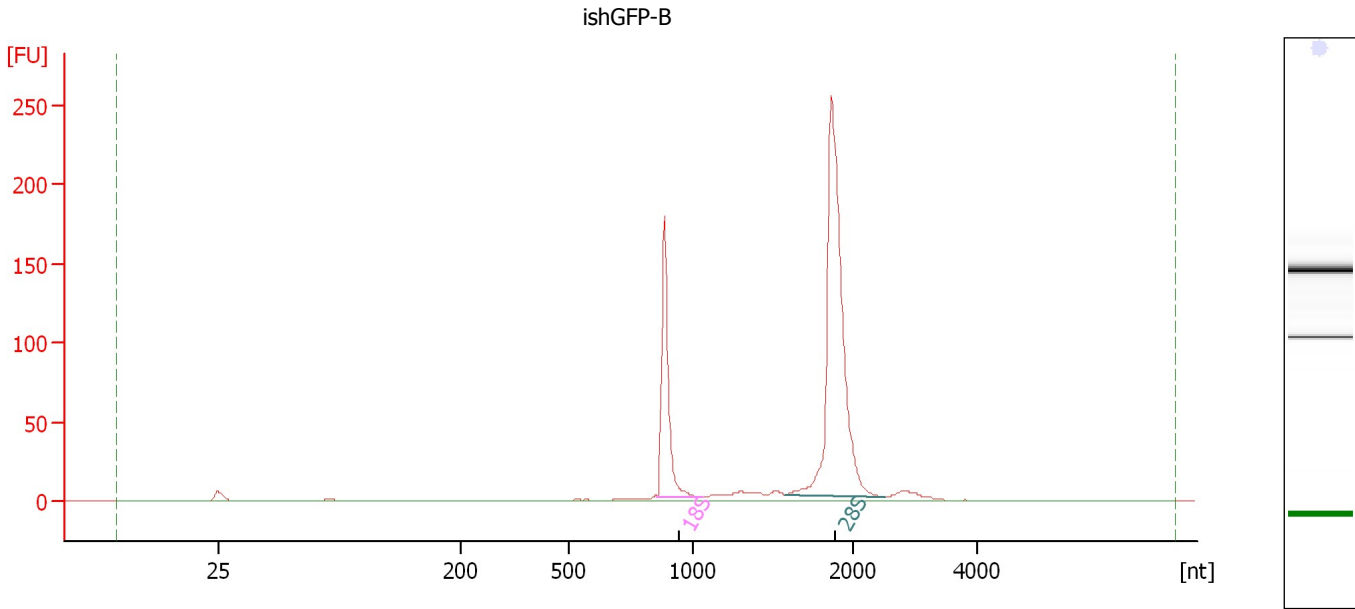
Fragment table for sample 1 : ishGFP-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	861	1,015	118.9	21.0
28S	1,592	2,493	338.6	59.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : ishGFP-B

RNA Area:	628.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,394 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN:10

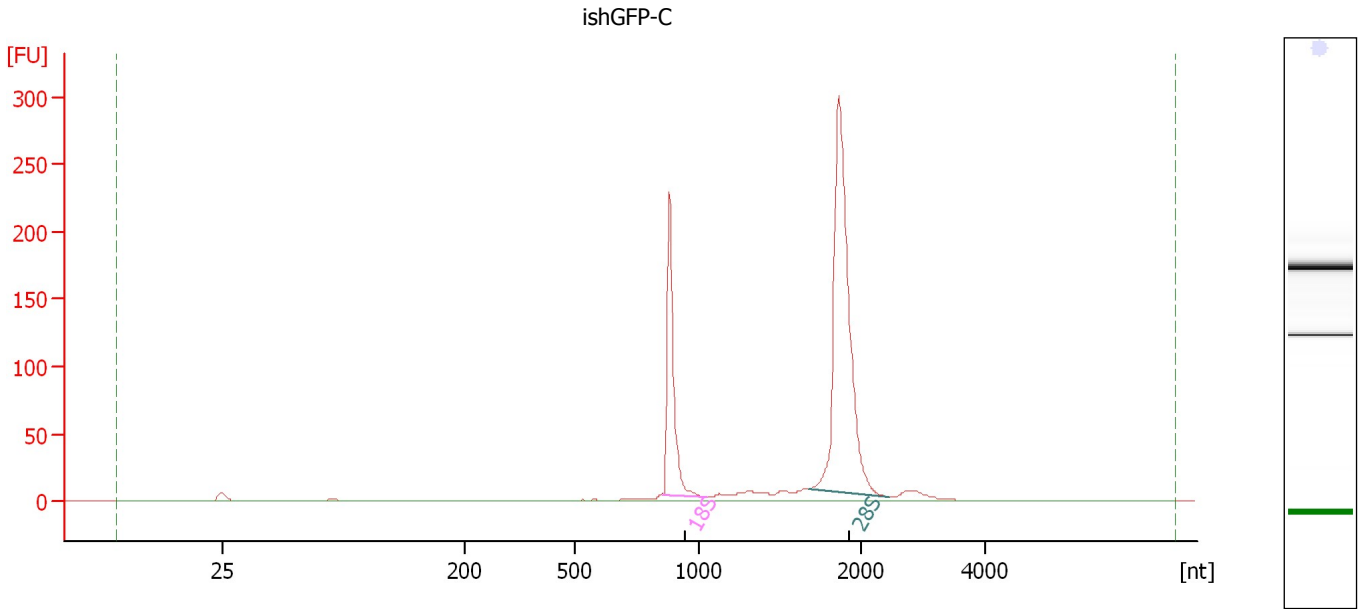
Fragment table for sample 2 : ishGFP-B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	855	1,057	137.5	21.9
28S	1,576	2,491	377.6	60.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : ishGFP-C

RNA Area:	786.1	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,993 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN:10

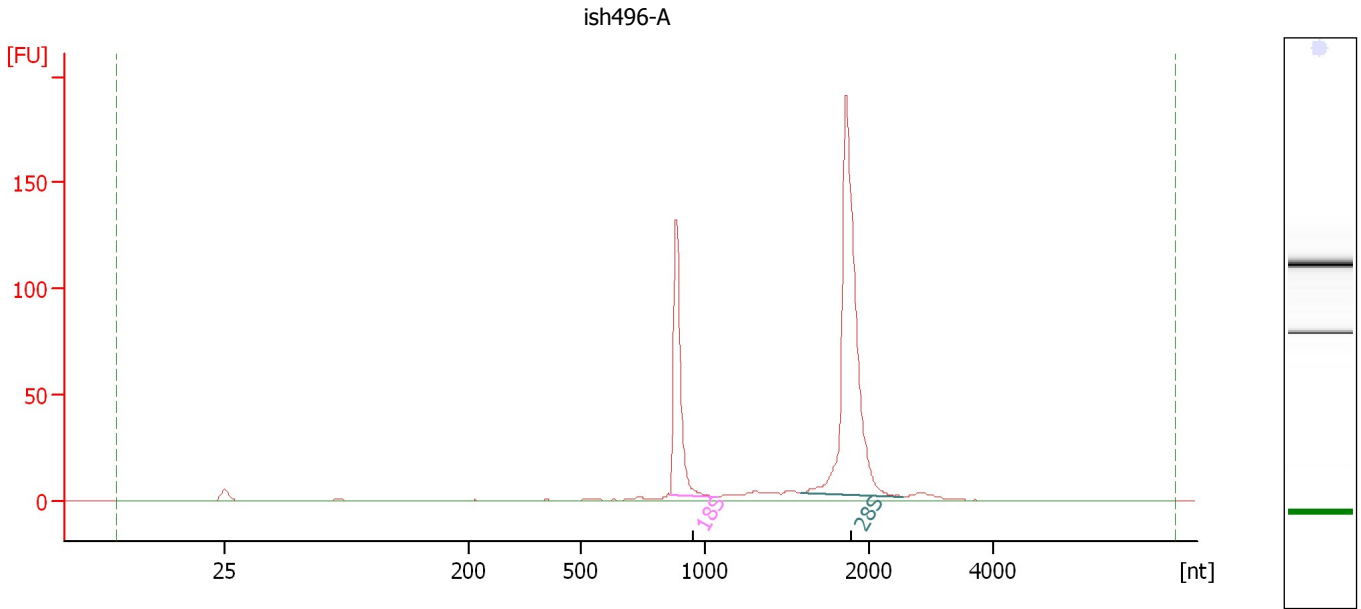
Fragment table for sample 3 : ishGFP-C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	853	1,051	174.8	22.2
28S	1,680	2,442	437.3	55.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : ish496-A

RNA Area:	465.8	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,773 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN:10

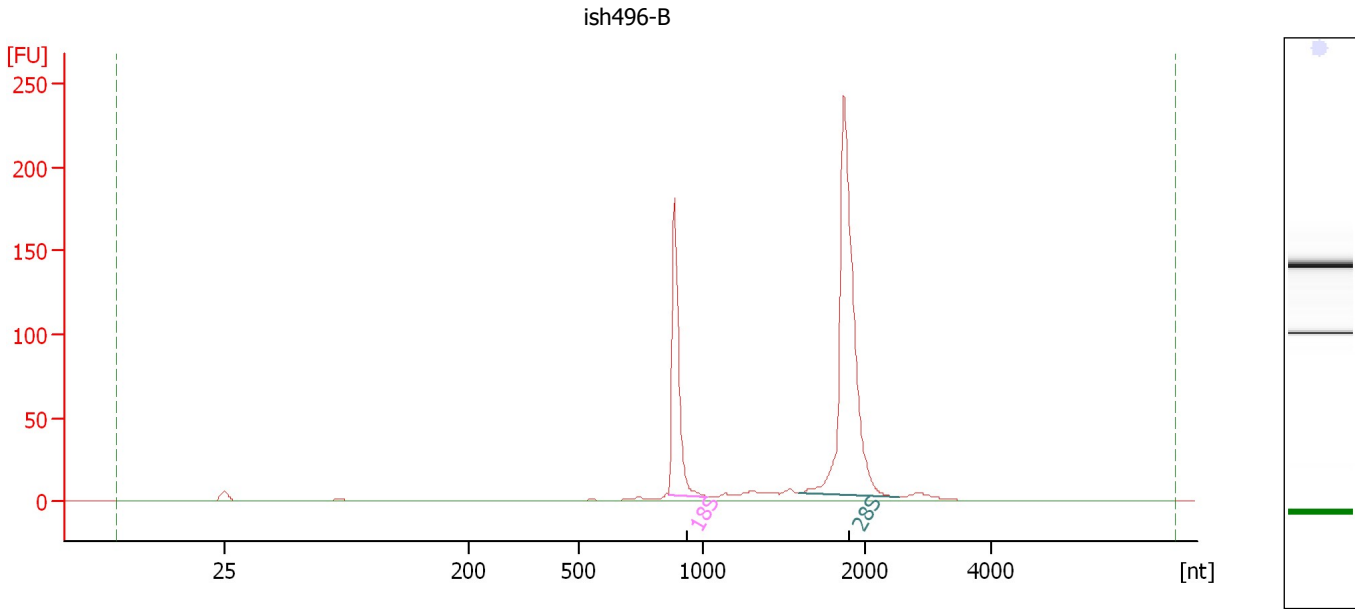
Fragment table for sample 4 : ish496-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	859	1,066	103.2	22.2
28S	1,586	2,564	261.4	56.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : ish496-B

RNA Area:	590.5	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,248 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN:10

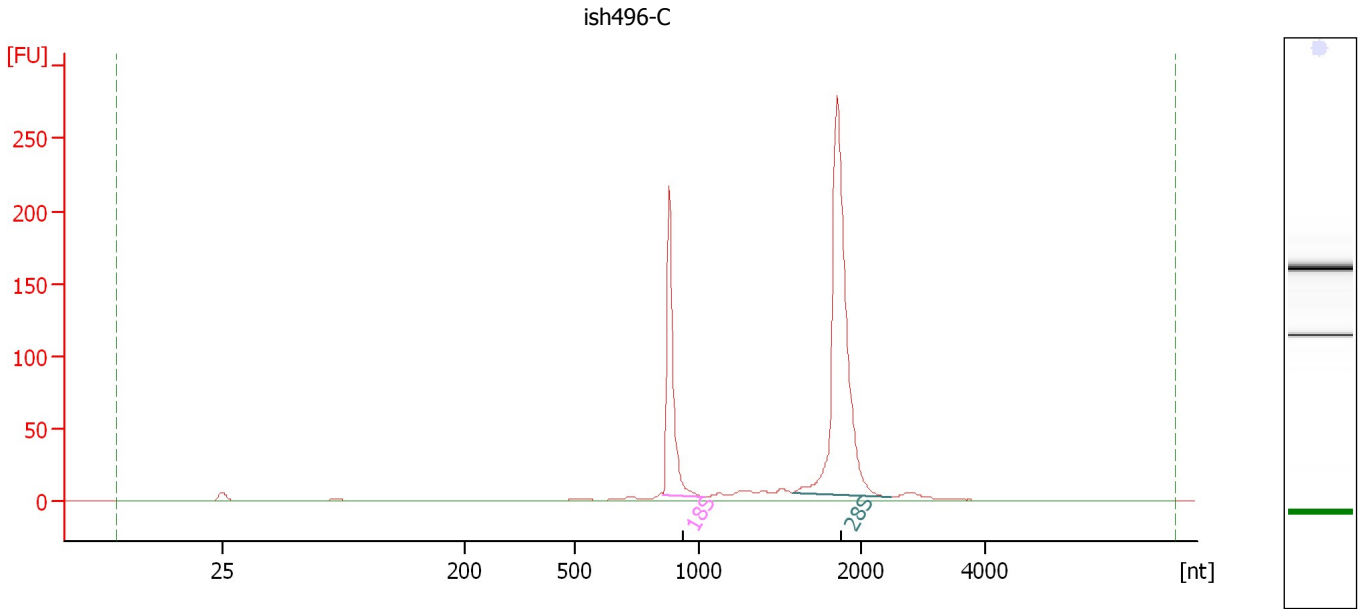
Fragment table for sample 5 : ish496-B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	858	1,026	135.8	23.0
28S	1,586	2,535	333.6	56.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ish496-C

RNA Area:	688.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,622 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

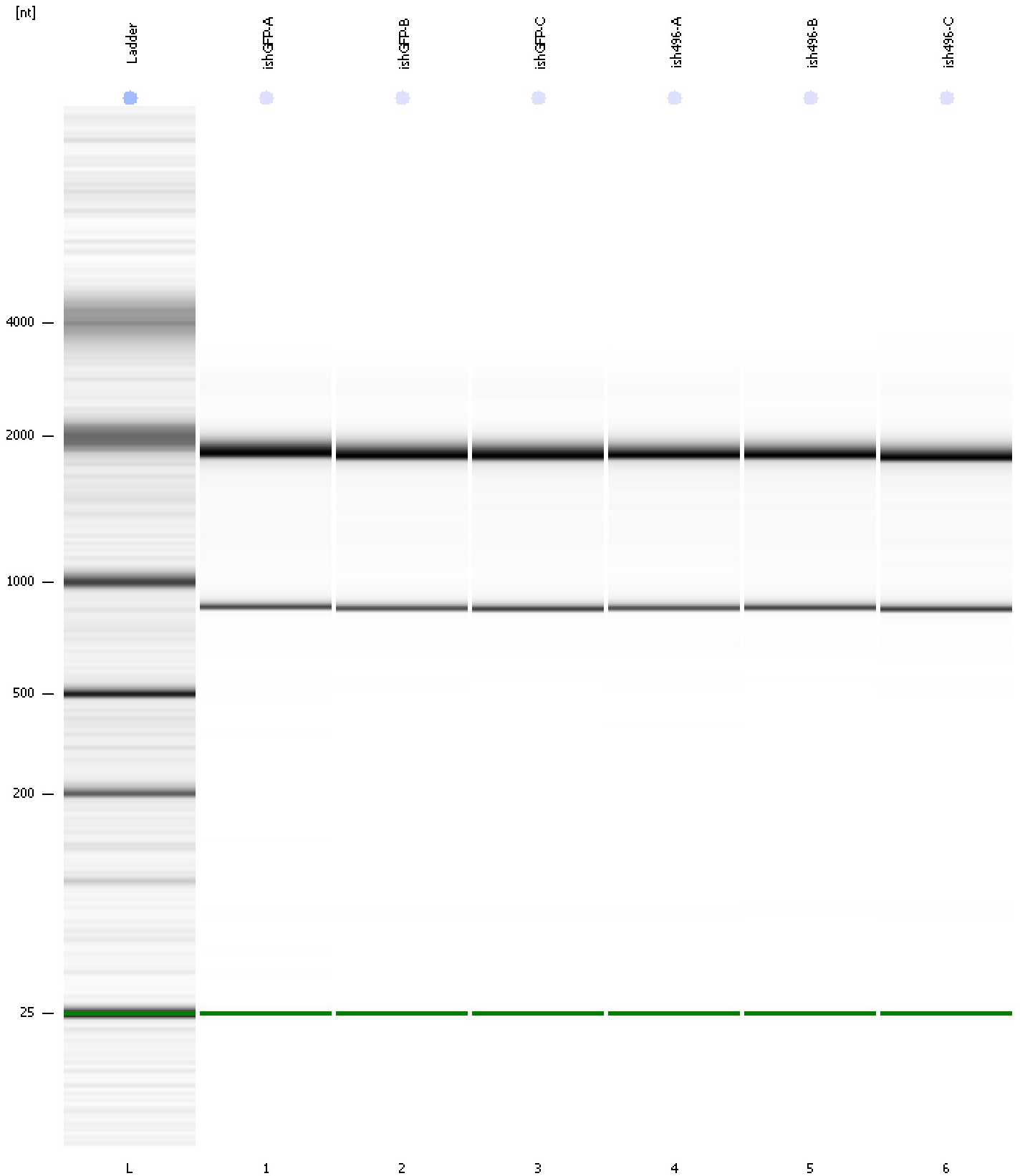
Fragment table for sample 6 : ish496-C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	853	1,032	163.7	23.8
28S	1,574	2,476	381.3	55.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
Modified: 1/27/2016 10:11:07 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2016-01-27\2016-01-27_001_Nomura_Kohnz_TotalRNAQC.xad

Created: 1/27/2016 9:46:09 AM
 Modified: 1/27/2016 10:11:07 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		1/27/2016 10:09:59 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2016-01-27\2016-01-27_001.xad)		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/27/2016 9:46:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1