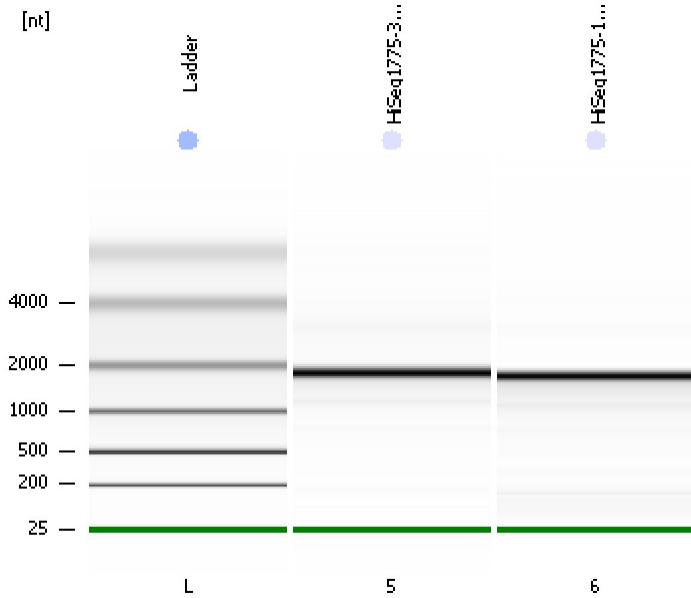


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:10:26 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\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

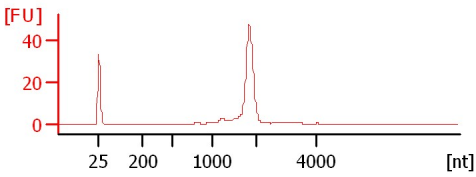
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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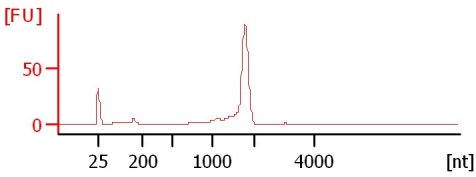
Chip Information:

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

HiSeq1775-33 C2-Src-04
RIN: 9.80



HiSeq1775-15 C2-A7-03
RIN: 9.10



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:10:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq1775-33 C2-Src-04		✓	RIN: 9.80	
HiSeq1775-15 C2-A7-03		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:10:26 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

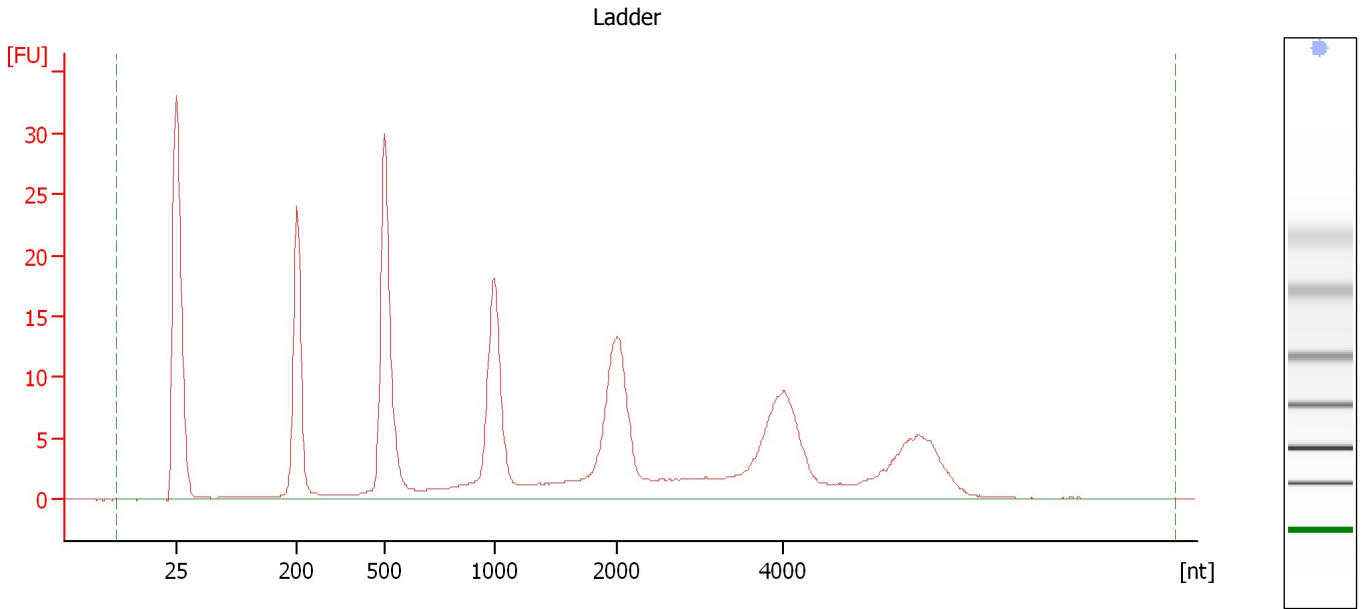
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:10:26 PM

Electropherogram Summary



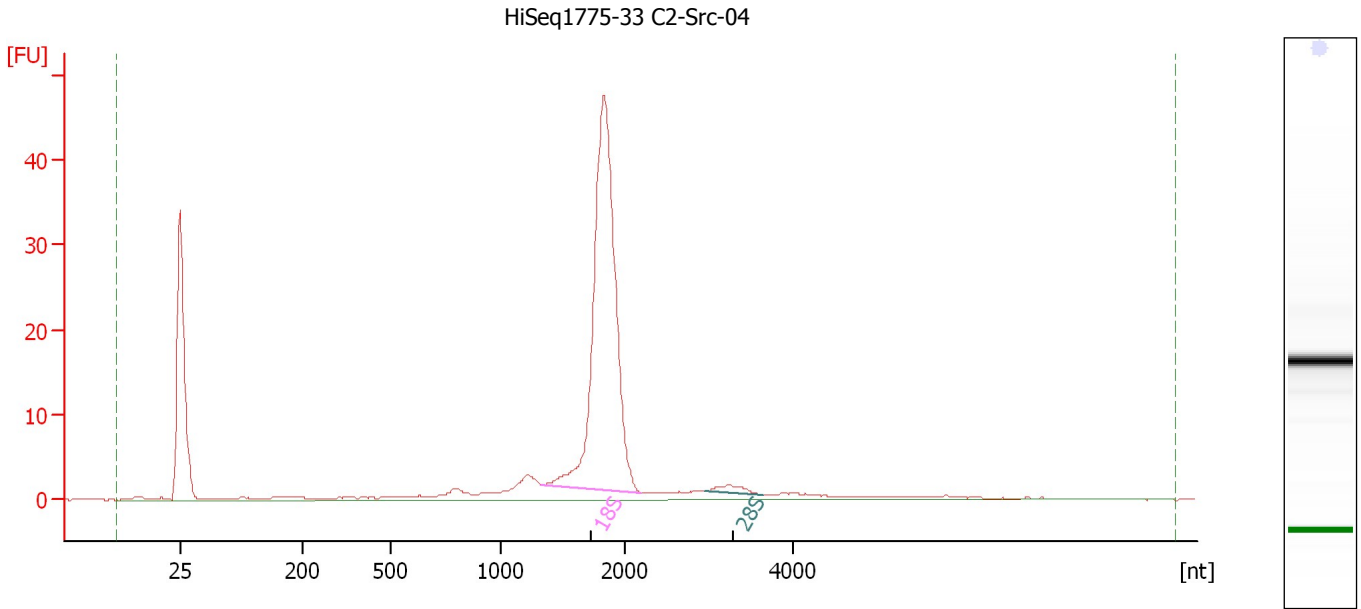
Overall Results for Ladder

RNA Area:	271.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq1775-33 C2-Src-04

RNA Area:	193.0	RNA Integrity Number (RIN):	9.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	710 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.80

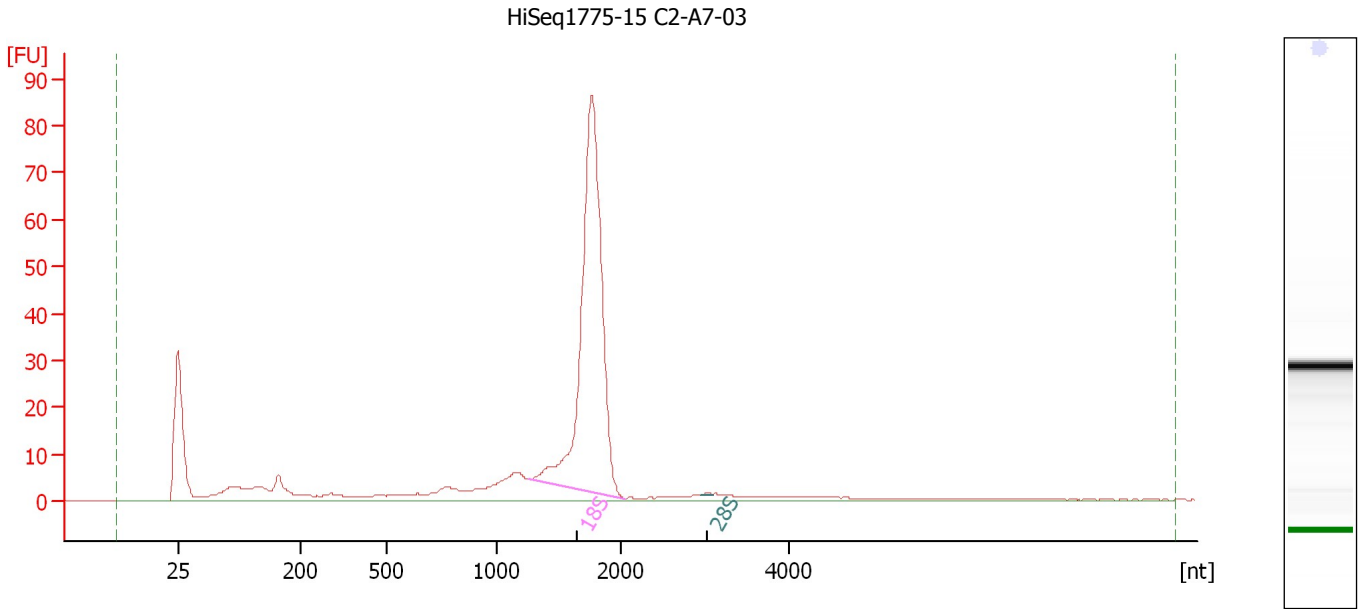
Fragment table for sample 5 : HiSeq1775-33 C2-Src-04

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,321	2,194	127.1	65.9
28S	2,943	3,642	2.8	1.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:10:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq1775-15 C2-A7-03

RNA Area:	376.4	RNA Integrity Number (RIN):	9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,386 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.10

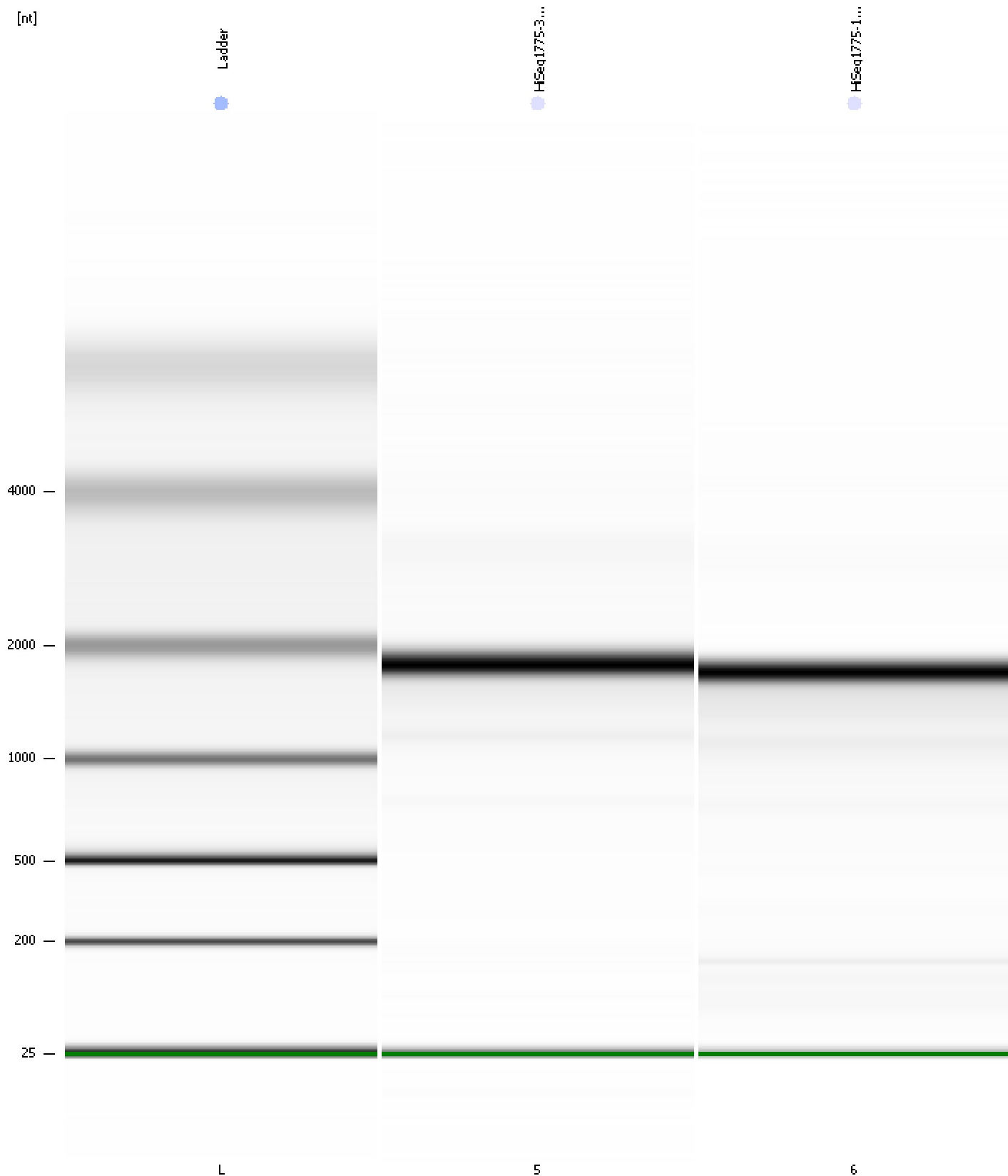
Fragment table for sample 6 : HiSeq1775-15 C2-A7-03

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,248	2,040	221.0	58.7
28S	2,946	3,086	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:10:26 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-04-19\2019-04-19_007_HiSeq1775_33_15_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:10:26 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		4/19/2019 5:02:26 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\2019-04-19\2019-04-19_007.xad)		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1