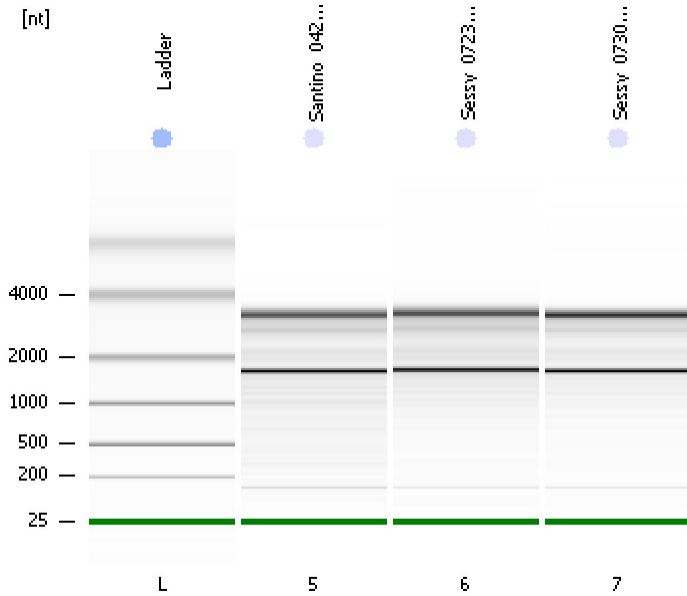


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/12/2019 10:20:12 AM

Electrophoresis File Run Summary



Instrument Information:

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

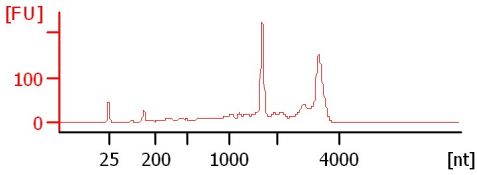
Assay Information:

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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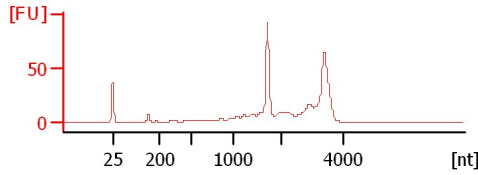
Chip Information:

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

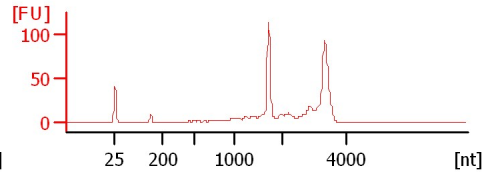
Santino_042619_bright
HiSeq1978 #24
RIN: 7.40



Sessy_072319_bright
HiSeq1978 #35
RIN: 8.30



Sessy_073019_bright
HiSeq1978 #36
RIN: 8.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/12/2019 10:20:12 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Santino_042619_bright	HiSeq1978 #24	✓	RIN: 7.40	
Sessy_072319_bright	HiSeq1978 #35	✓	RIN: 8.30	
Sessy_073019_bright	HiSeq1978 #36	✓	RIN: 8.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/12/2019 10:20:12 AM

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

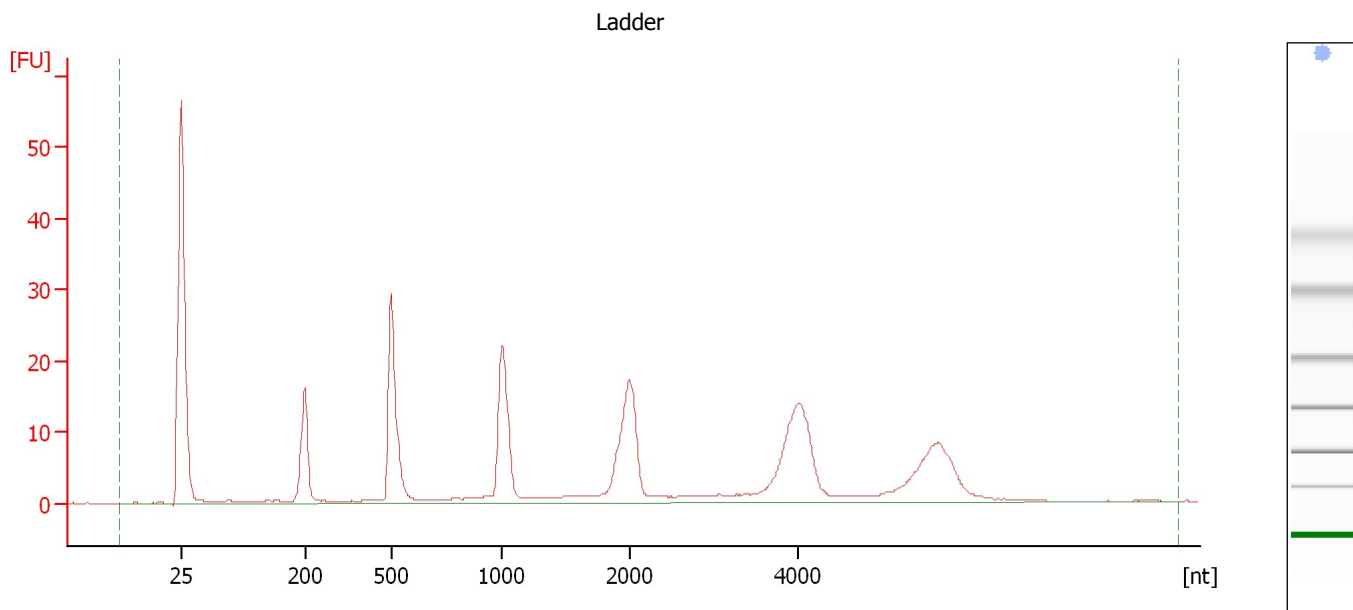
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/12/2019 10:20:12 AM

Electropherogram Summary



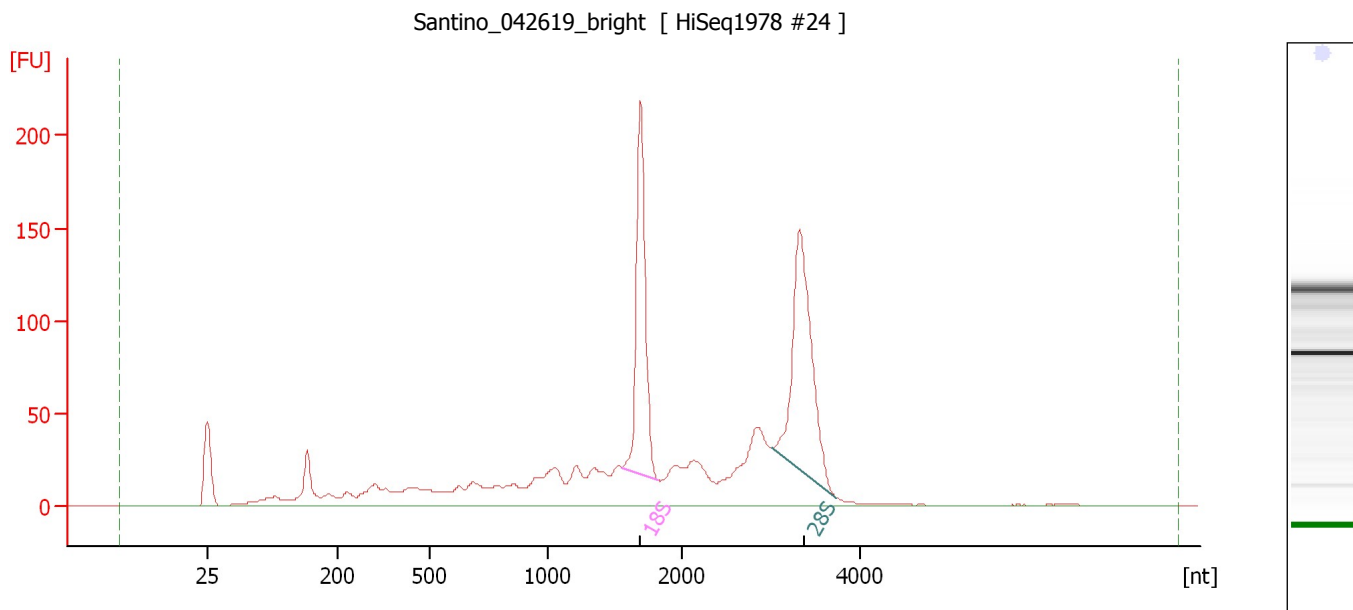
Overall Results for Ladder

RNA Area:	239.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/12/2019 10:20:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Santino_042619_bright

RNA Area:	1,438.4	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	6,013 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

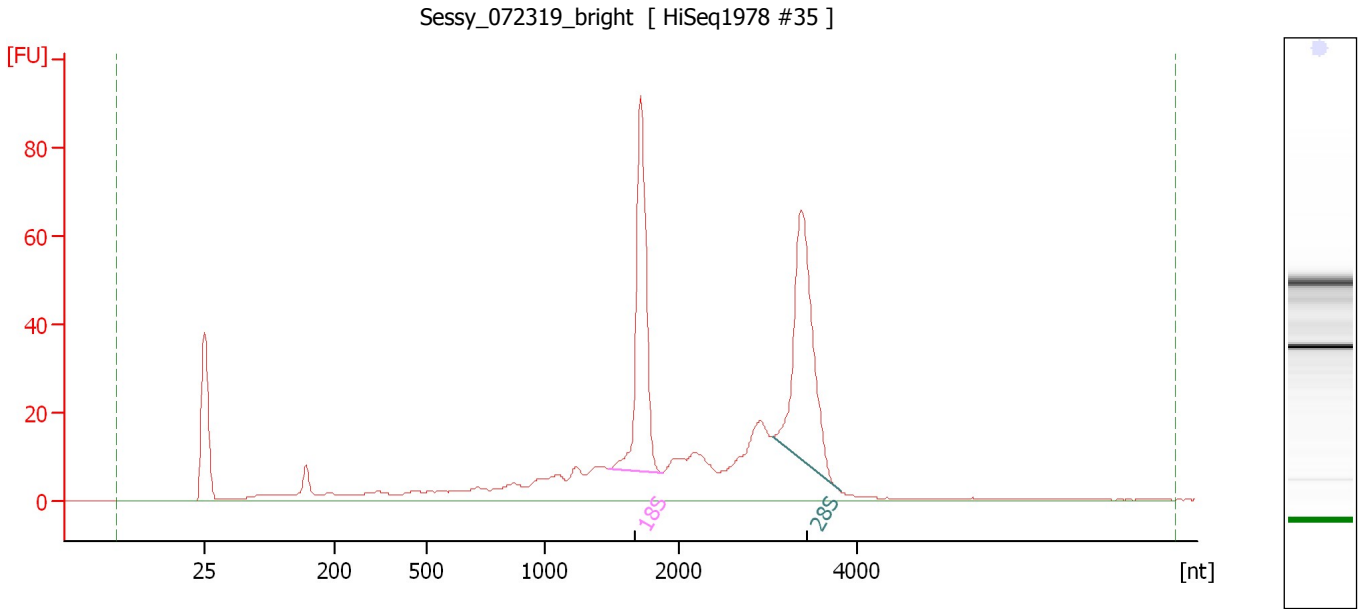
Fragment table for sample 5 : Santino_042619_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,828	227.8	15.8
28S	3,013	3,732	259.0	18.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/12/2019 10:20:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sessy_072319_bright

RNA Area:	567.8	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	2,374 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

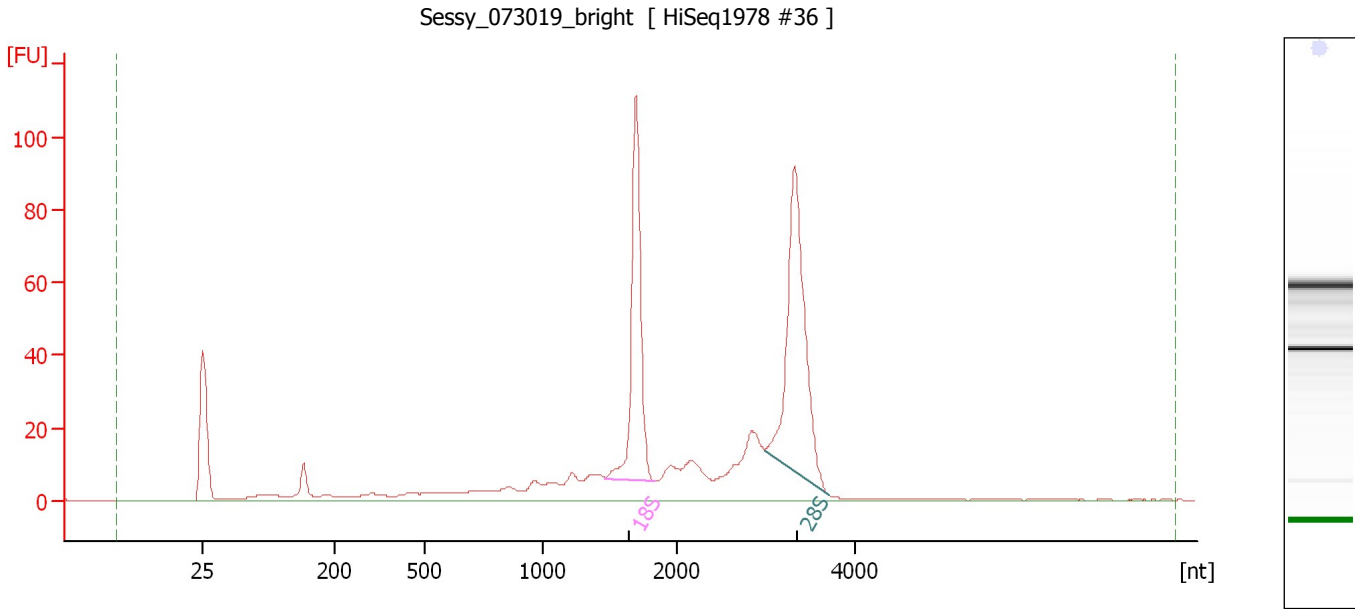
Fragment table for sample 6 : Sessy_072319_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,876	103.8	18.3
28S	3,061	3,816	112.6	19.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/12/2019 10:20:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sessy_073019_bright

RNA Area:	597.4	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	2,497 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

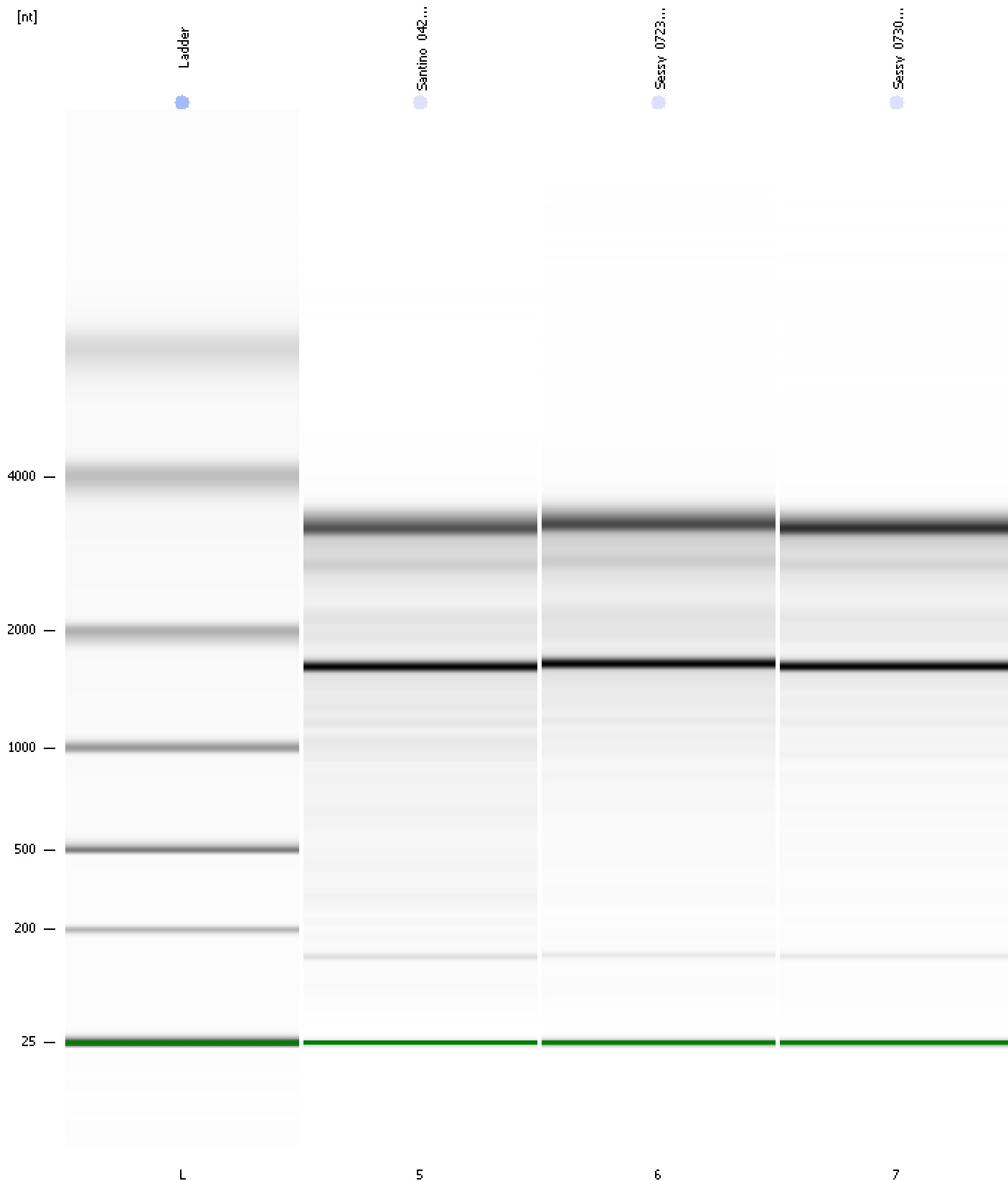
Fragment table for sample 7 : Sessy_073019_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,469	1,836	122.0	20.4
28S	2,990	3,723	154.1	25.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/12/2019 10:20:12 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2019-11-08\HiSeq1978_RNAQC4.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/12/2019 10:20:12 AM

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		11/8/2019 12:34:48 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad)		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1