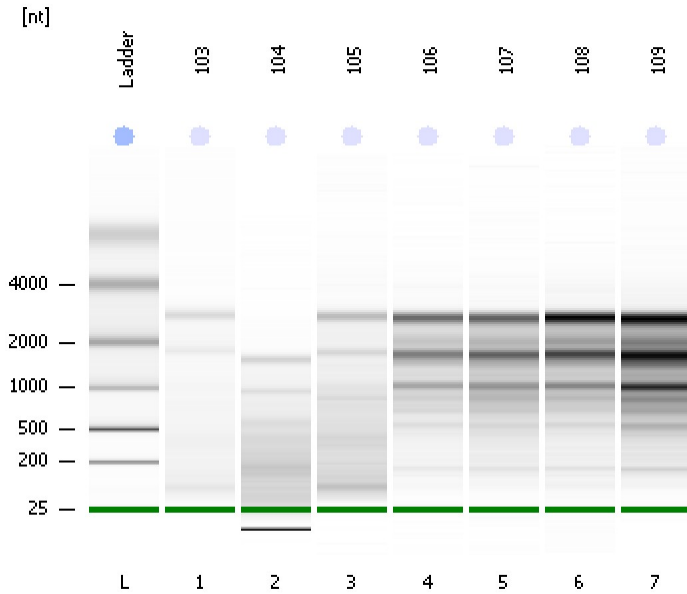


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

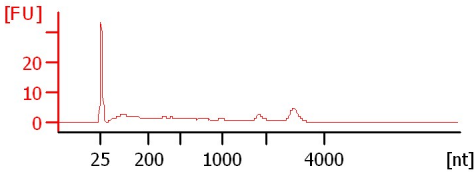
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

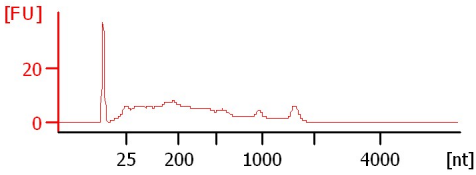
Chip Information:

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

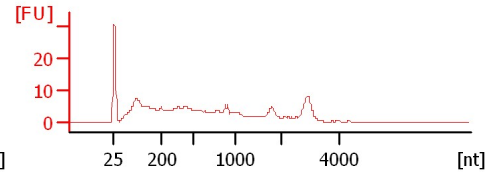
103
 HiSeq1396
 RIN: 2.90



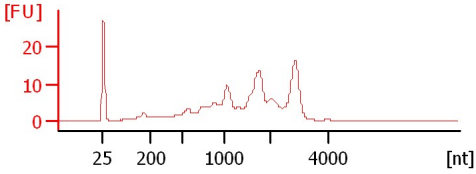
104
 HiSeq1396
 RIN: 3.60



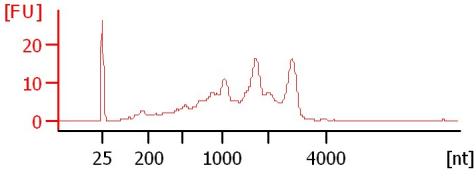
105
 HiSeq1396
 RIN: 4.80



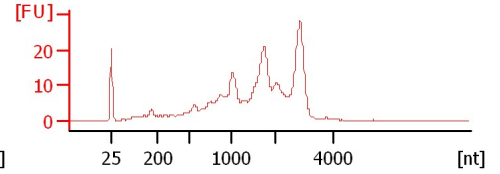
106
 HiSeq1396
 RIN: 7.40



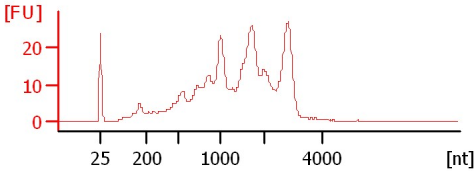
107
 HiSeq1396
 RIN: 6.90



108
 HiSeq1396
 RIN: 7.50



109
 HiSeq1396
 RIN: 6.80



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
103	HiSeq1396	✓	RIN: 2.90	
104	HiSeq1396	✓	RIN: 3.60	
105	HiSeq1396	✓	RIN: 4.80	
106	HiSeq1396	✓	RIN: 7.40	
107	HiSeq1396	✓	RIN: 6.90	
108	HiSeq1396	✓	RIN: 7.50	
109	HiSeq1396	✓	RIN: 6.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
Modified: 6/25/2018 1:14:35 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

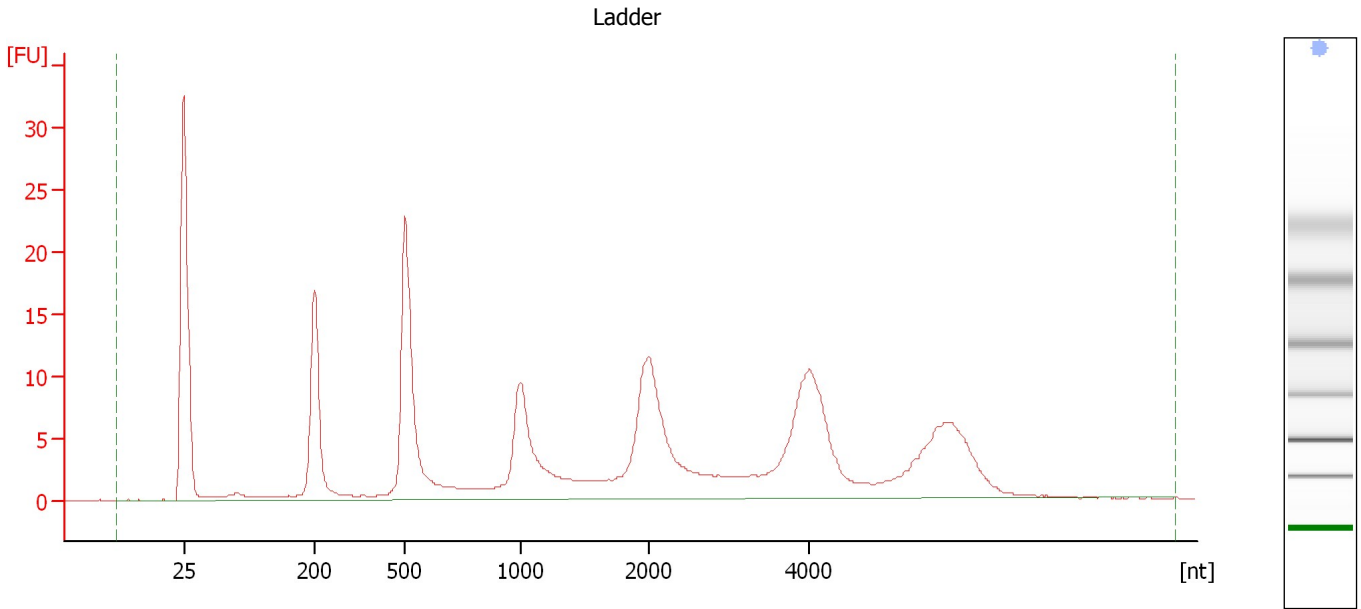
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary



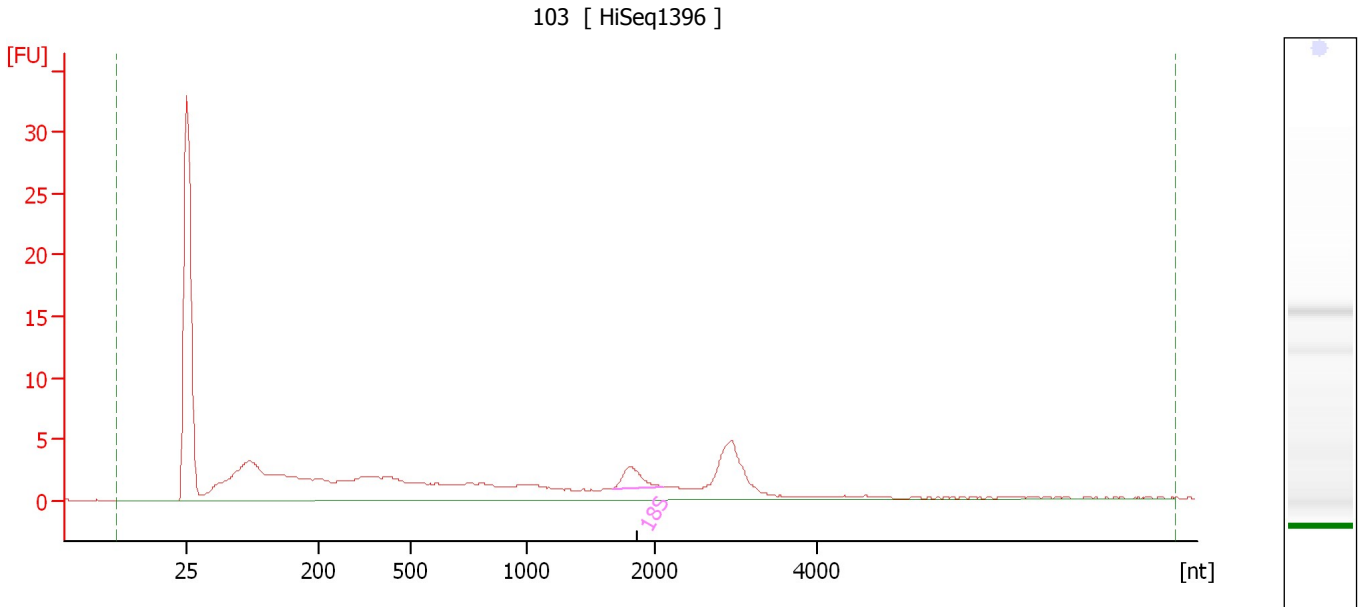
Overall Results for Ladder

RNA Area:	256.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 103

RNA Area:	124.2	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	485 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

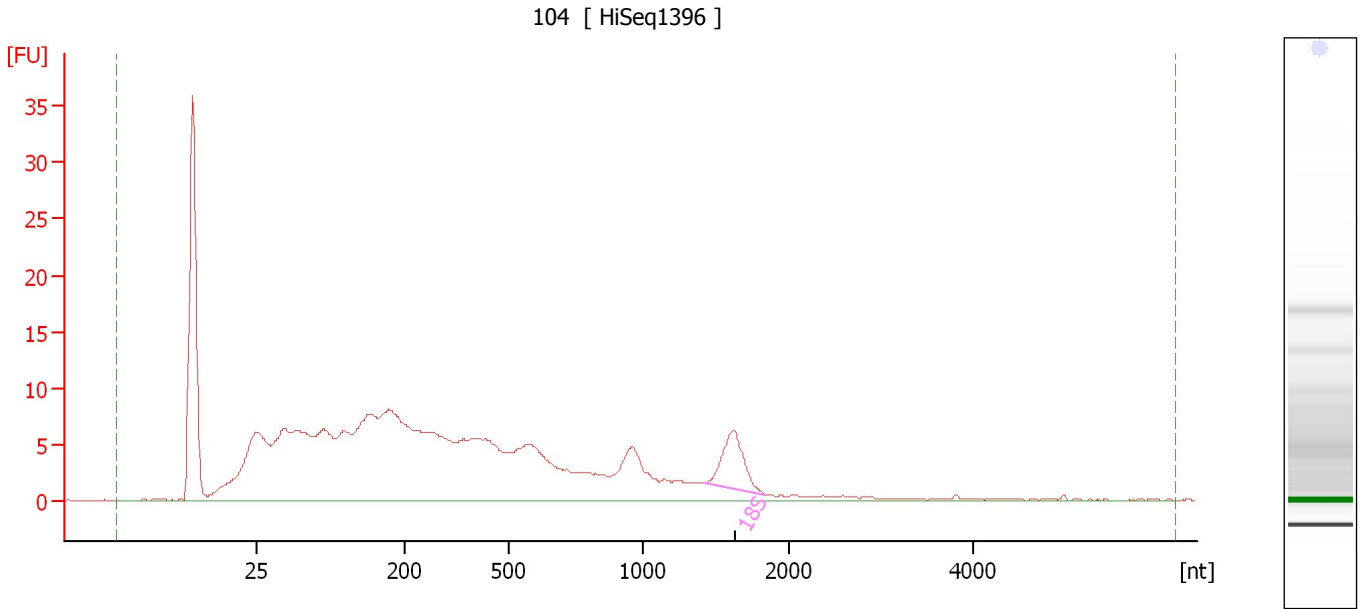
Fragment table for sample 1 : 103

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,683	2,106	4.0	3.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 104

RNA Area:	357.0	RNA Integrity Number (RIN):	3.6 (B.02.08)
RNA Concentration:	1,394 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

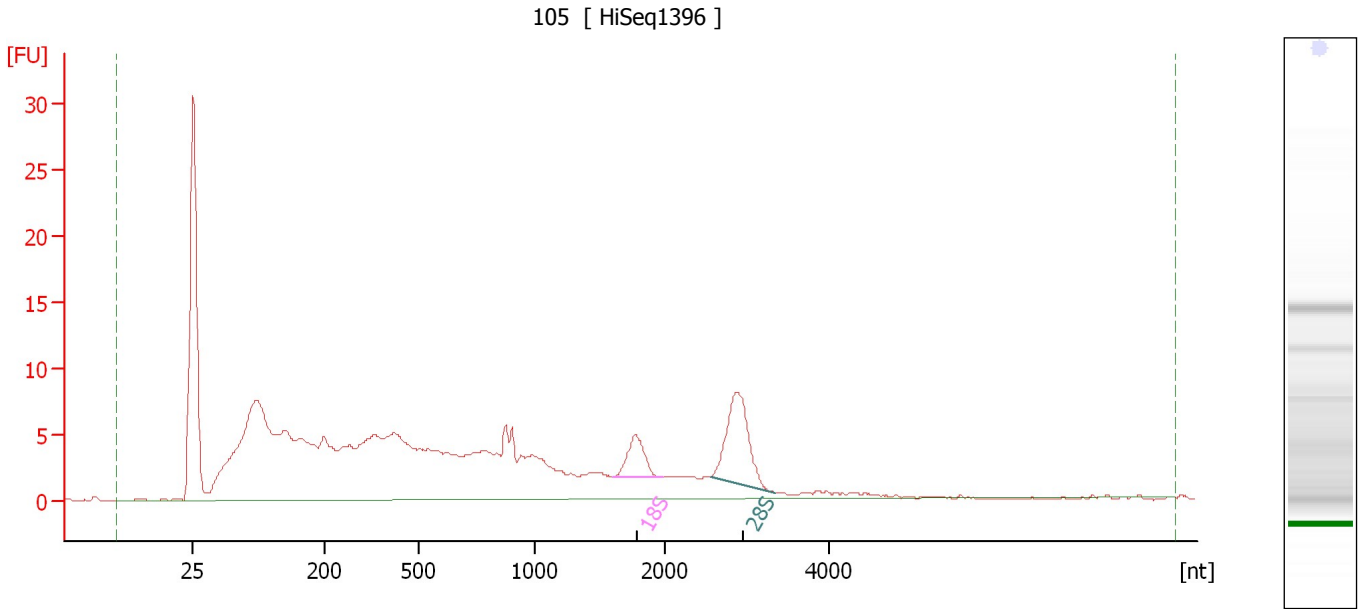
Fragment table for sample 2 : 104

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,434	1,844	12.2	3.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 105

RNA Area:	279.3	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	1,090 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN: 4.80

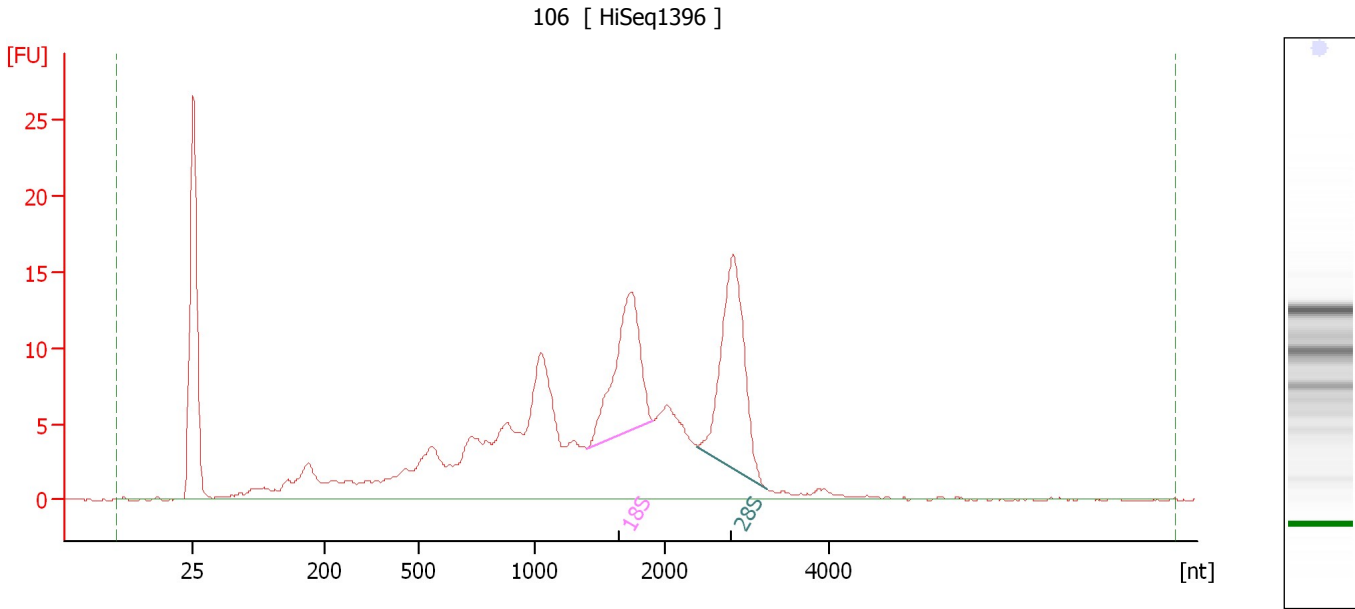
Fragment table for sample 3 : 105

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,977	6.6	2.4
28S	2,551	3,331	17.1	6.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 106

RNA Area:	253.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	990 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

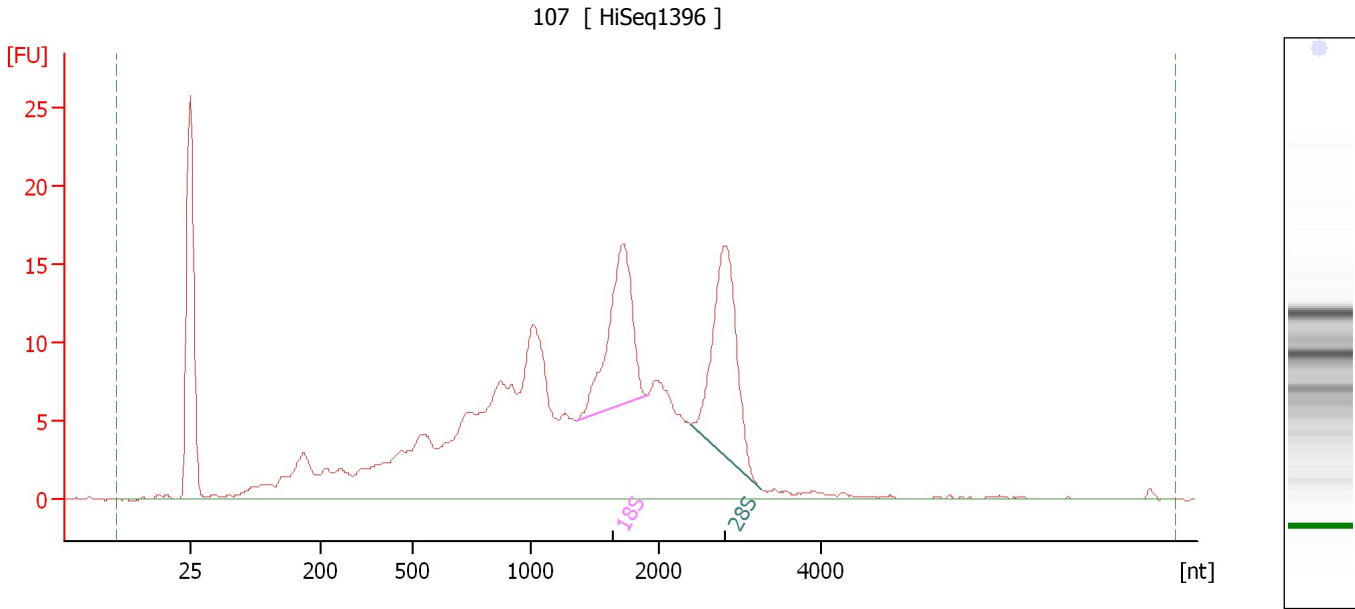
Fragment table for sample 4 : 106

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,399	1,911	29.0	11.4
28S	2,394	3,253	36.1	14.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 107

RNA Area:	335.0	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	1,308 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.90

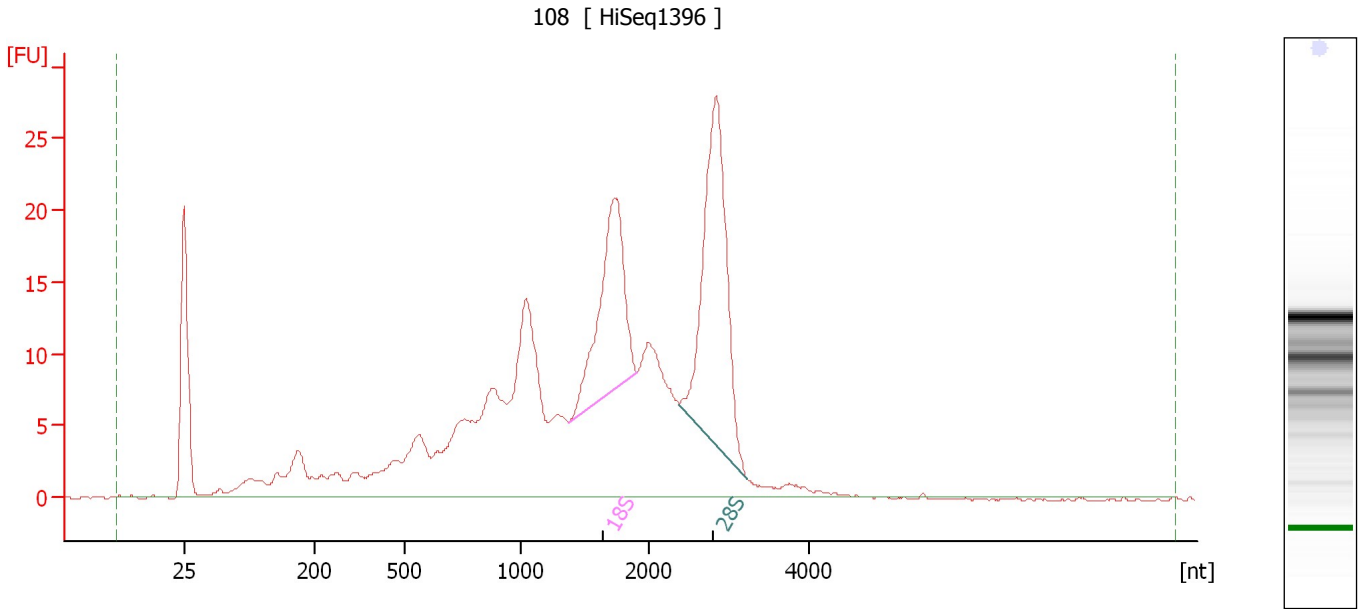
Fragment table for sample 5 : 107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,361	1,918	30.6	9.1
28S	2,395	3,260	36.2	10.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 108

RNA Area:	392.4	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,532 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.50

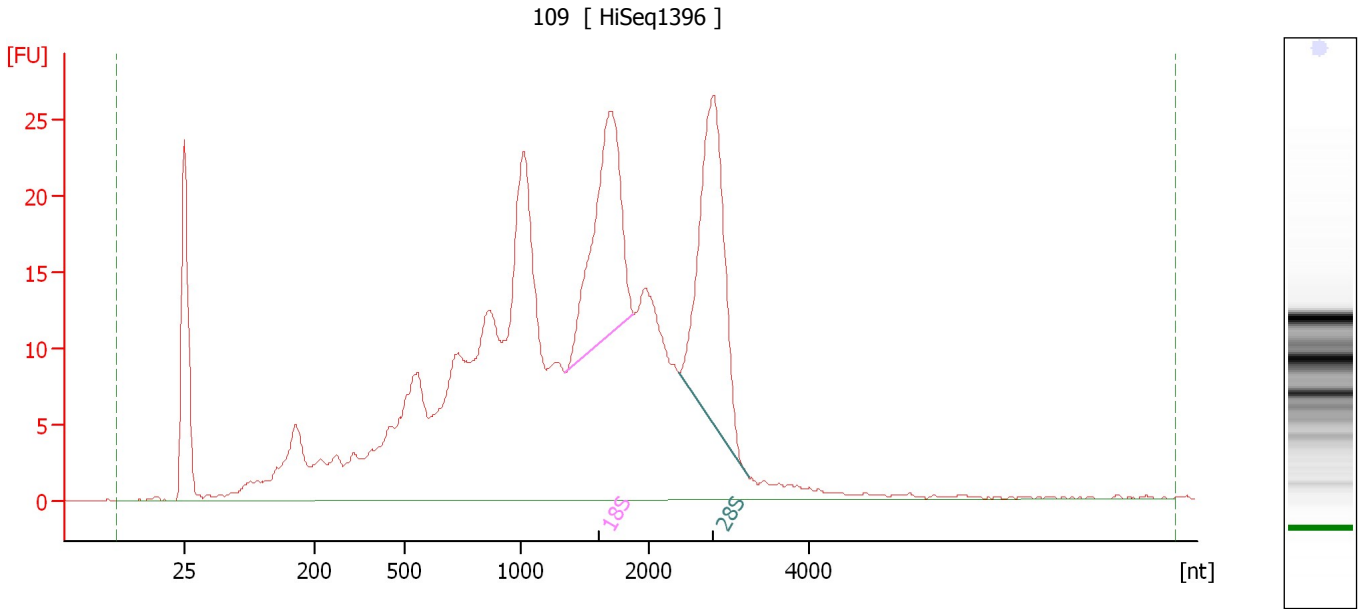
Fragment table for sample 6 : 108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,378	1,907	41.5	10.6
28S	2,384	3,218	63.4	16.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
 Modified: 6/25/2018 1:14:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 109

RNA Area:	574.5	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	2,243 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.80

Fragment table for sample 7 : 109

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,352	1,882	51.9	9.0
28S	2,384	3,245	61.7	10.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\data\2018-06-25\2018-06-25_003_HiSeq1396_RNAQC_103-109.xad

Created: 6/25/2018 12:31:46 PM
Modified: 6/25/2018 1:14:35 PM

Gel Image

