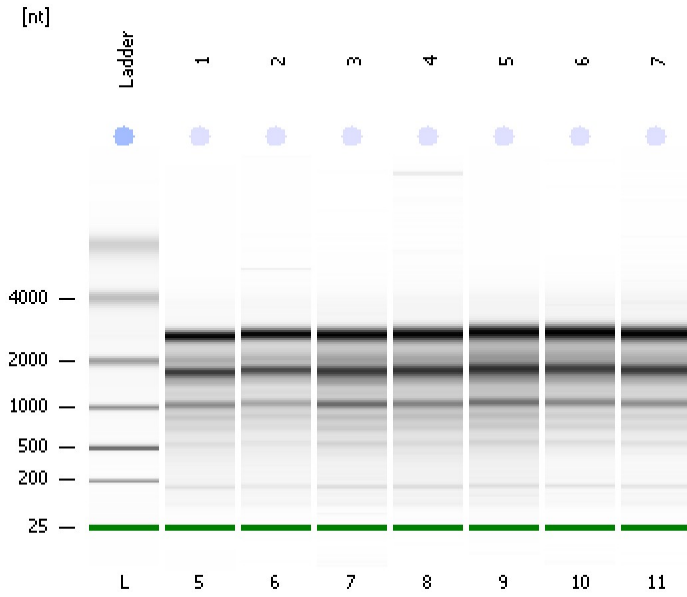


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
Modified: 6/15/2018 2:01:54 PM

Electrophoresis File Run Summary



Instrument Information:

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

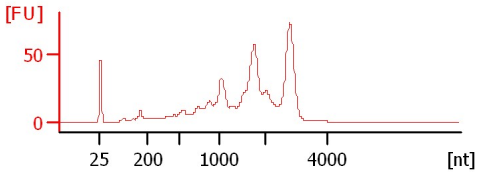
Assay Information:

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.

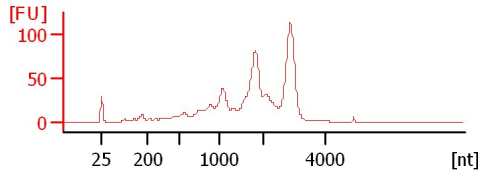
Chip Information:

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

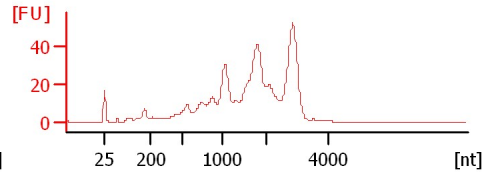
HiSeq1396 RIN: 7.70 **1**



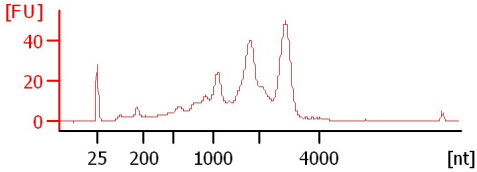
HiSeq1396 RIN: 7.90 **2**



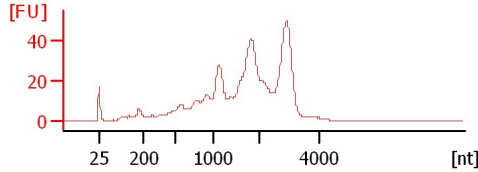
HiSeq1396 RIN: 7.50 **3**



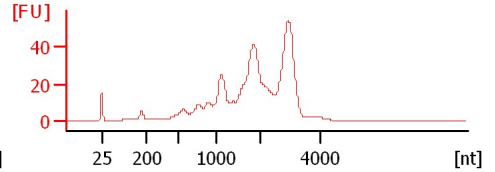
HiSeq1396 RIN: 7.80 **4**



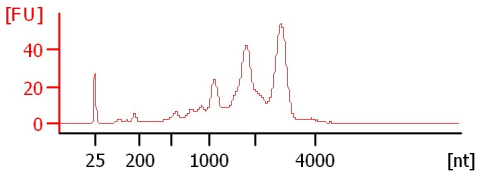
HiSeq1396 RIN: 7.70 **5**



HiSeq1396 RIN: 8 **6**



HiSeq1396 RIN: 8.10 **7**



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq1396	✓	RIN: 7.70	
2	HiSeq1396	✓	RIN: 7.90	
3	HiSeq1396	✓	RIN: 7.50	
4	HiSeq1396	✓	RIN: 7.80	
5	HiSeq1396	✓	RIN: 7.70	
6	HiSeq1396	✓	RIN:8	
7	HiSeq1396	✓	RIN: 8.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
Modified: 6/15/2018 2:01:54 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

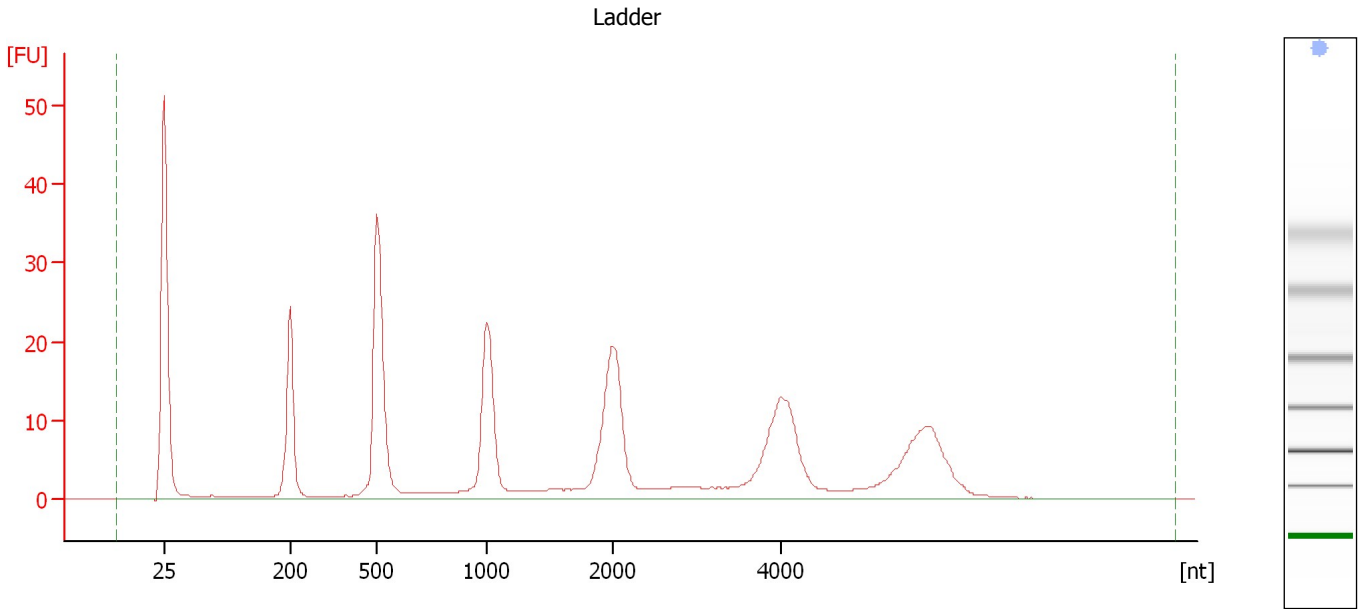
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary



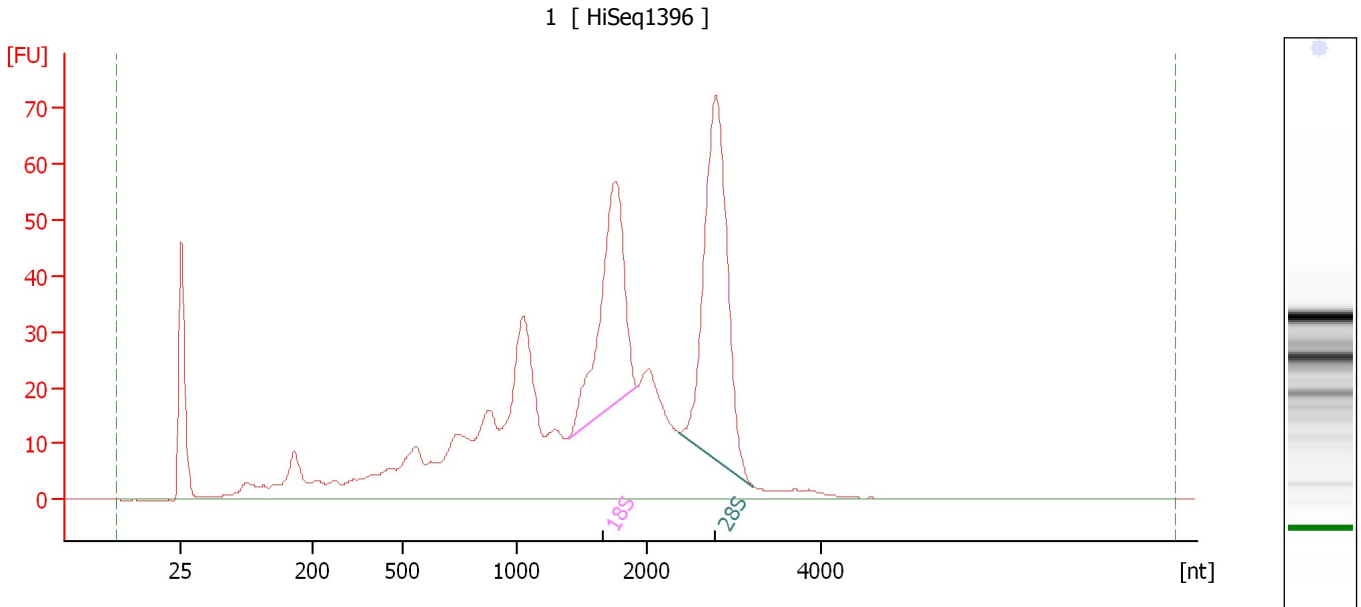
Overall Results for Ladder

RNA Area:	315.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1

RNA Area:	928.2	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,947 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.70

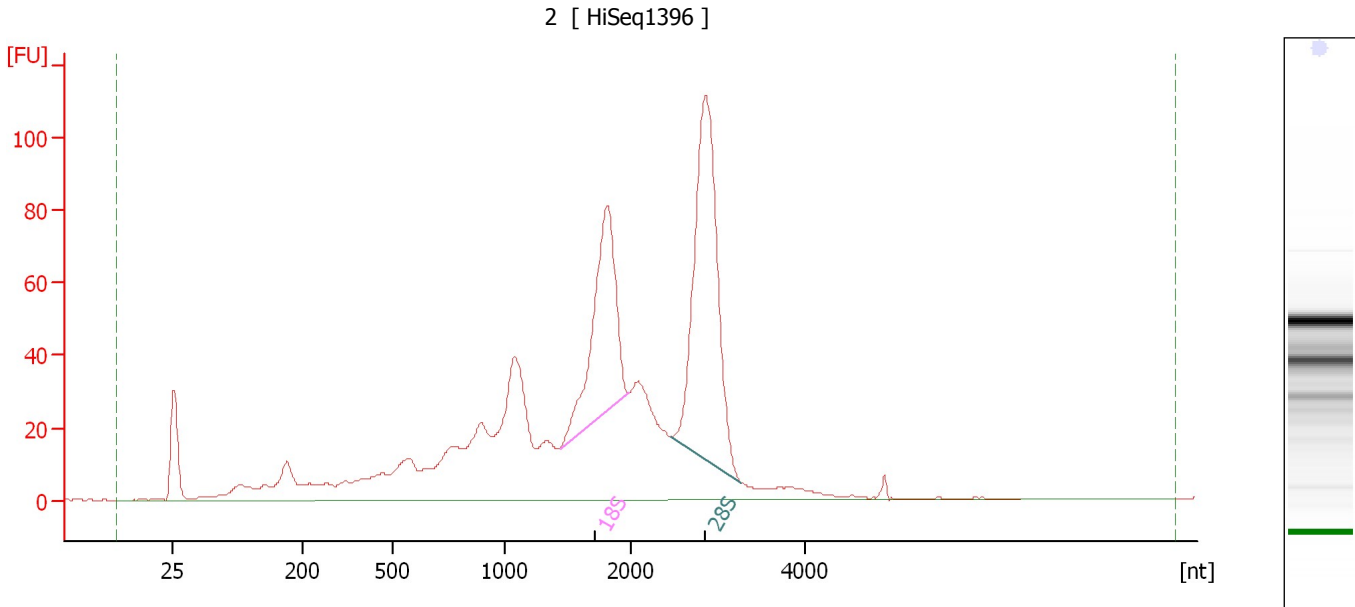
Fragment table for sample 5 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,394	1,930	121.0	13.0
28S	2,372	3,227	171.2	18.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2

RNA Area:	1,311.5	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,164 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

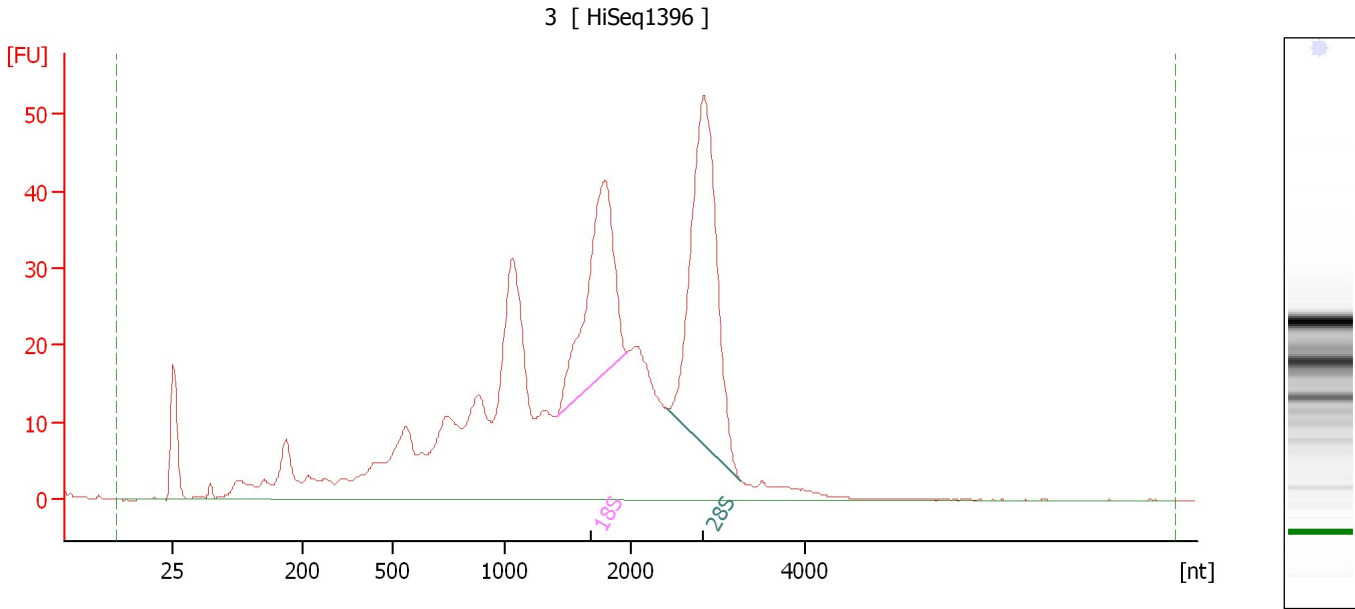
Fragment table for sample 6 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,441	1,977	165.0	12.6
28S	2,450	3,268	268.9	20.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 3

RNA Area:	821.3	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,607 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.50

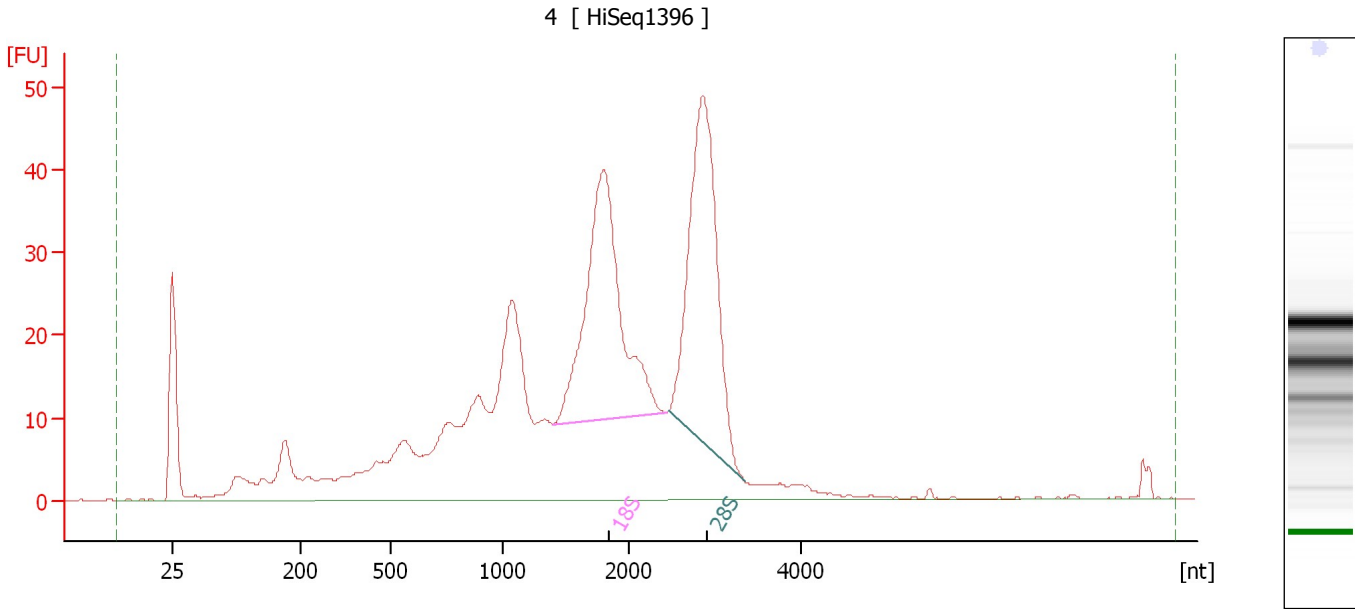
Fragment table for sample 7 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,416	1,960	88.5	10.8
28S	2,412	3,268	135.0	16.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4

RNA Area:	763.4	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,423 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.80

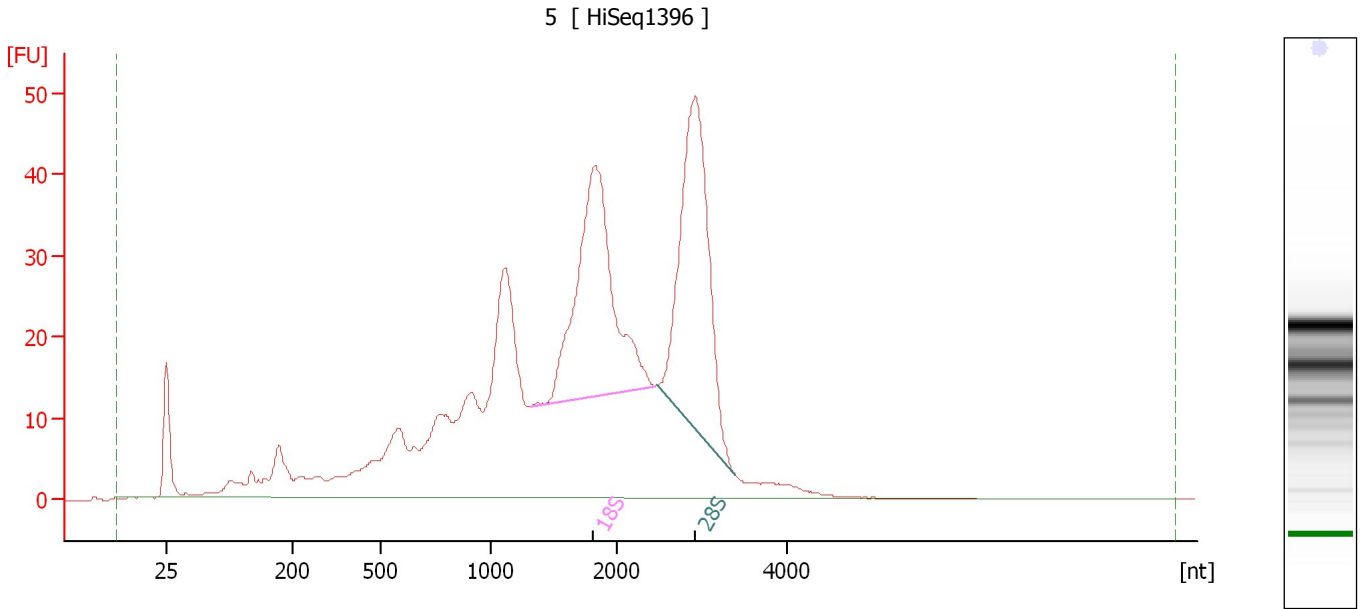
Fragment table for sample 8 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,397	2,425	132.6	17.4
28S	2,450	3,333	134.9	17.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 5

RNA Area:	834.5	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,649 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.70

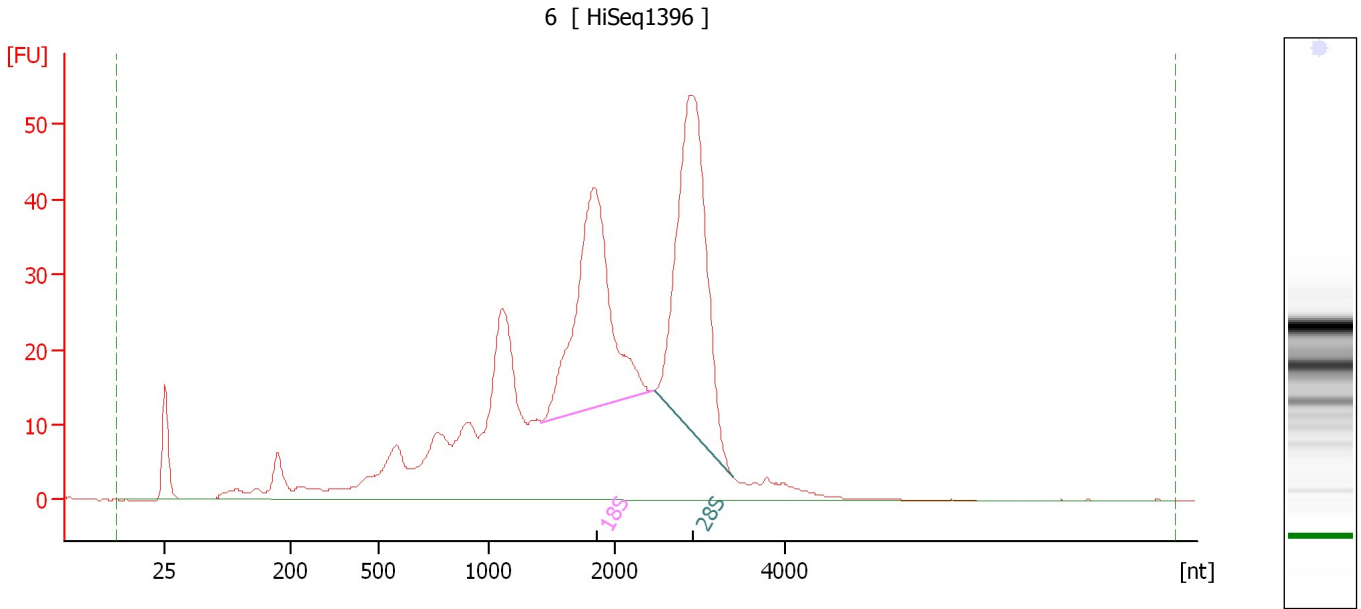
Fragment table for sample 9 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,311	2,441	133.0	15.9
28S	2,467	3,399	135.0	16.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 6

RNA Area:	788.2	RNA Integrity Number (RIN):	8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,502 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:8

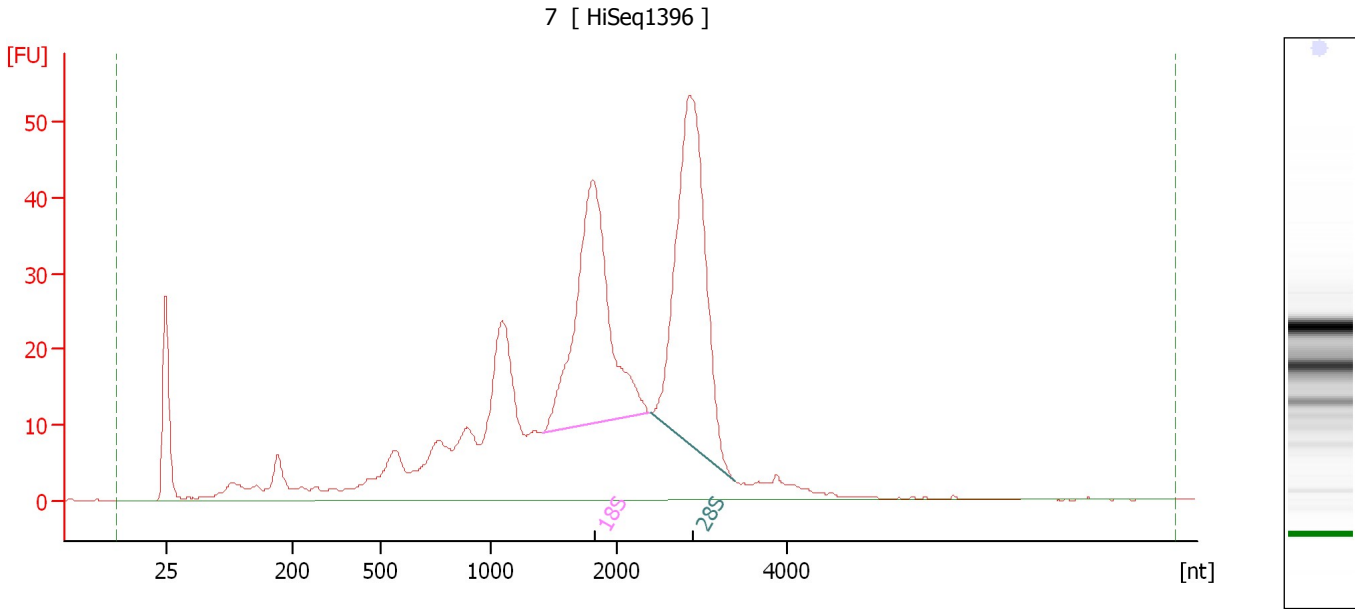
Fragment table for sample 10 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,411	2,455	131.0	16.6
28S	2,480	3,402	154.6	19.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
 Modified: 6/15/2018 2:01:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 7

RNA Area:	753.1	RNA Integrity Number (RIN):	8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,391 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.10

Fragment table for sample 11 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,413	2,378	138.6	18.4
28S	2,404	3,399	157.6	20.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-13\2018-06-13_003_HiSeq1396_RNAQC_1-7.xad

Created: 6/13/2018 3:10:31 PM
Modified: 6/15/2018 2:01:54 PM

Gel Image

