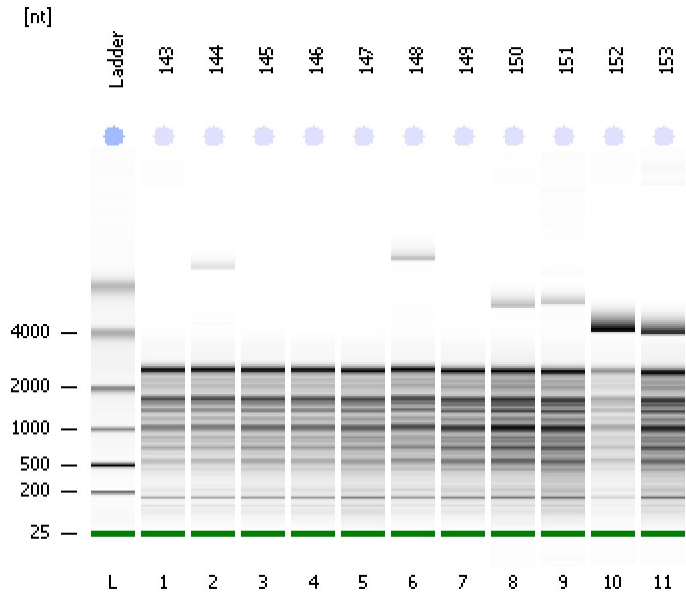


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electrophoresis File Run Summary



Instrument Information:

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

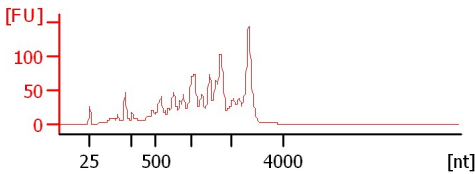
Assay Information:

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.

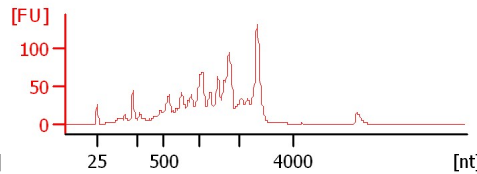
Chip Information:

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

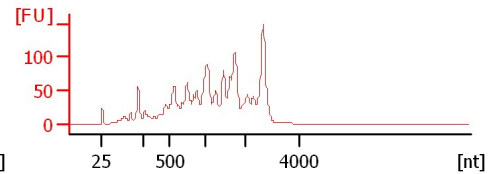
143
HiSeq1396
RIN: 6.50



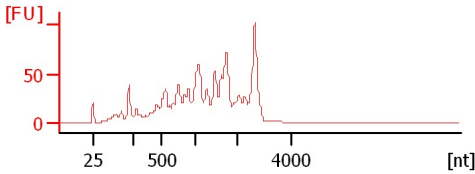
144
HiSeq1396
RIN: 6.40



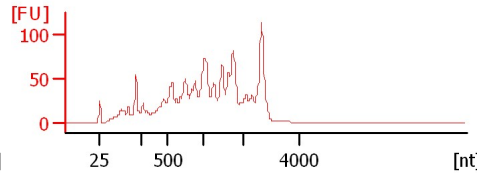
145
HiSeq1396
RIN: 6.10



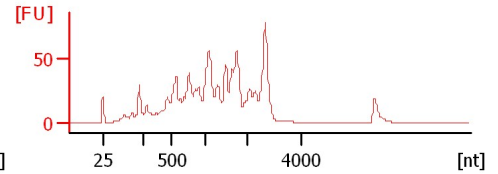
146
HiSeq1396
RIN: 6.20



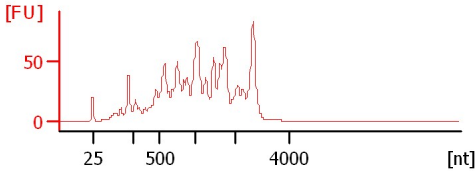
147
HiSeq1396
RIN: 5.70



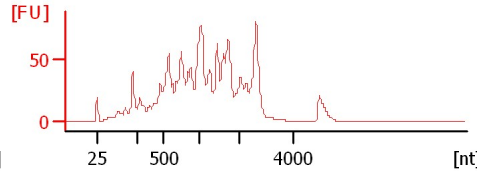
148
HiSeq1396
RIN: 5.90



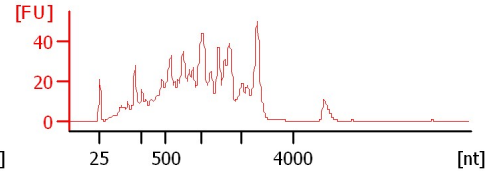
149
HiSeq1396
RIN: 5.20



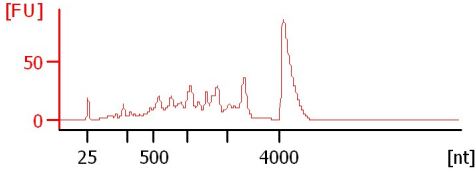
150
HiSeq1396
RIN: 4.40



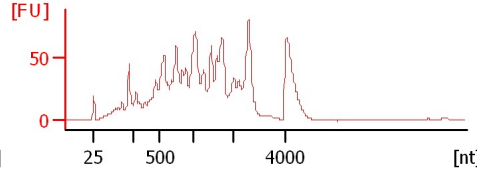
151
HiSeq1396
RIN: 4.90



152
HiSeq1396
RIN: 7.50



153
HiSeq1396
RIN: 5.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
 Modified: 6/25/2018 3:37:51 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
143	HiSeq1396	✓	RIN: 6.50	
144	HiSeq1396	✓	RIN: 6.40	
145	HiSeq1396	✓	RIN: 6.10	
146	HiSeq1396	✓	RIN: 6.20	
147	HiSeq1396	✓	RIN: 5.70	
148	HiSeq1396	✓	RIN: 5.90	
149	HiSeq1396	✓	RIN: 5.20	
150	HiSeq1396	✓	RIN: 4.40	
151	HiSeq1396	✓	RIN: 4.90	
152	HiSeq1396	✓	RIN: 7.50	
153	HiSeq1396	✓	RIN: 5.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 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

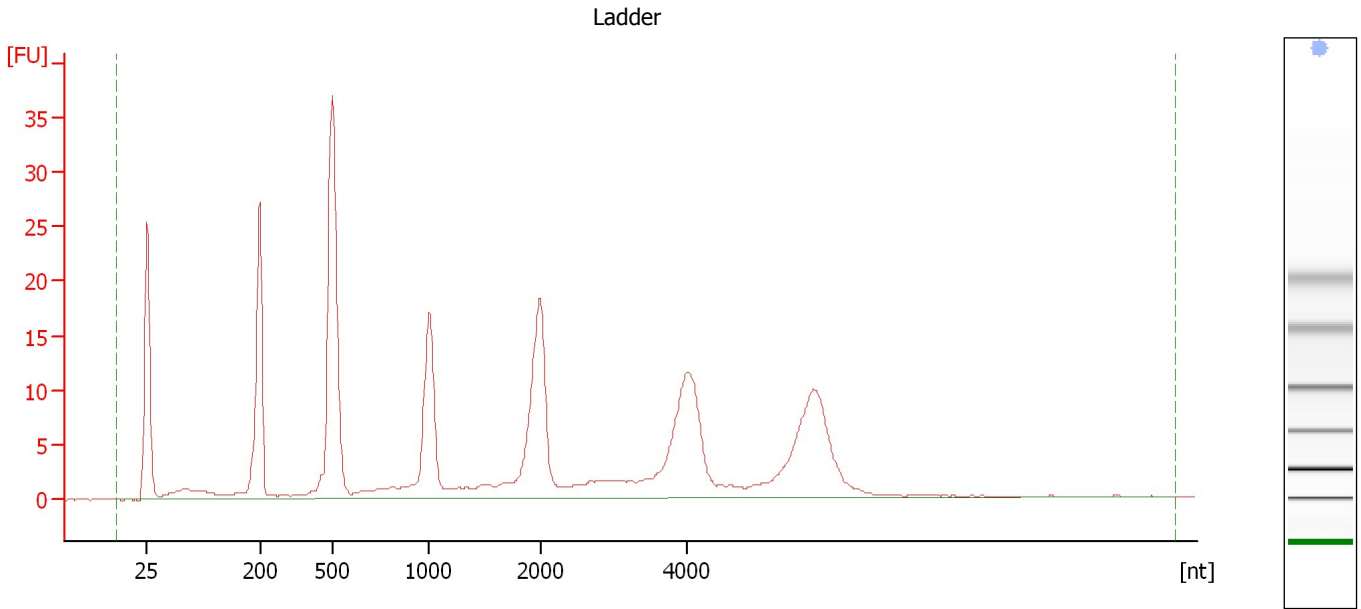
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary



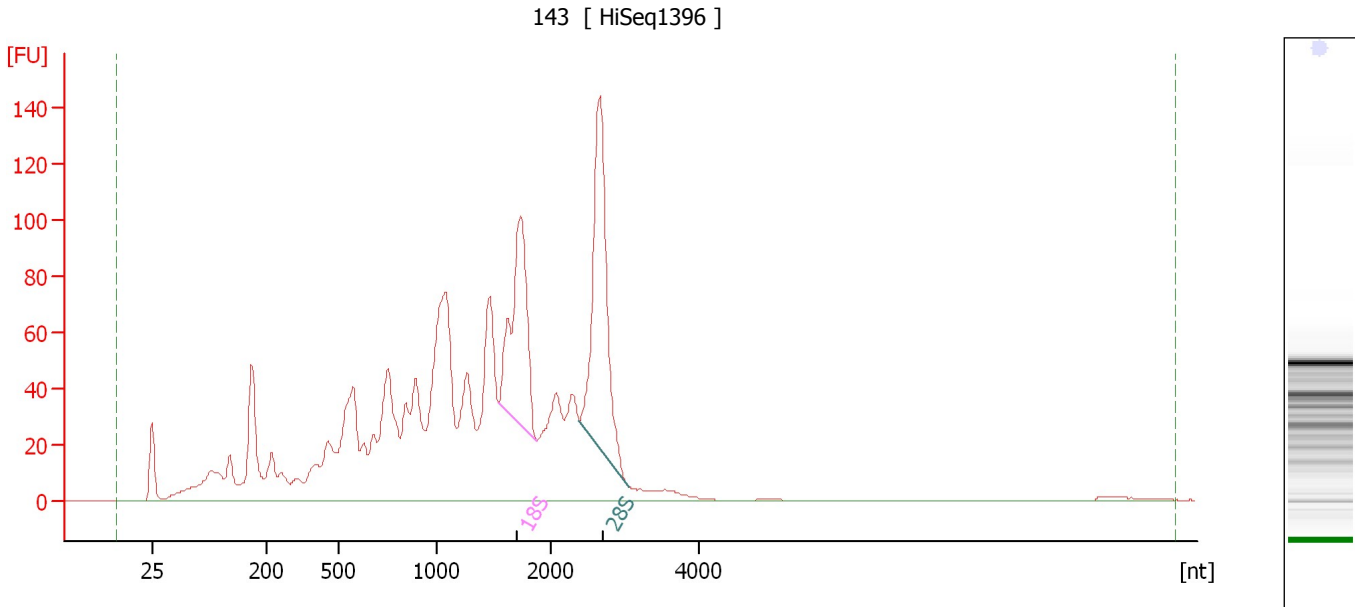
Overall Results for Ladder

RNA Area:	292.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 143

RNA Area: 1,905.0 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 6,506 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 6.50

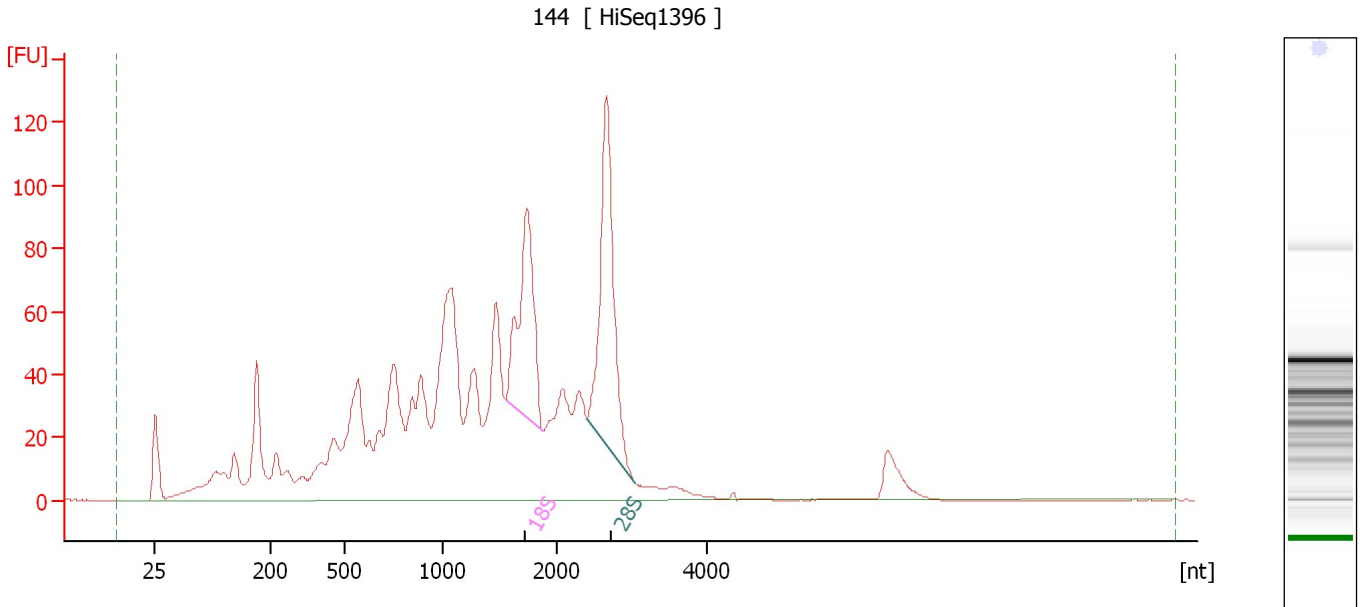
Fragment table for sample 1 : 143

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,872	160.6	8.4
28S	2,395	3,054	217.1	11.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 144

RNA Area: 1,771.5 RNA Integrity Number (RIN): 6.4 (B.02.08)
RNA Concentration: 6,050 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 6.40

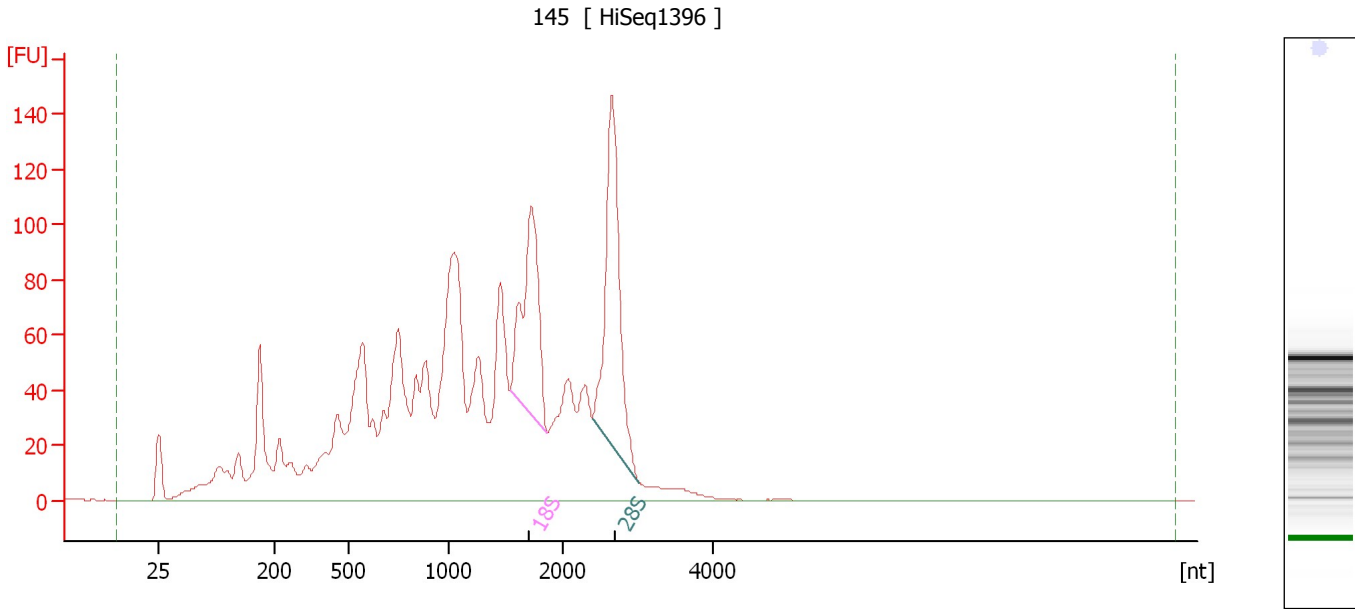
Fragment table for sample 2 : 144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,876	141.9	8.0
28S	2,411	3,037	188.1	10.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
 Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 145

RNA Area:	2,257.5	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	7,710 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.10

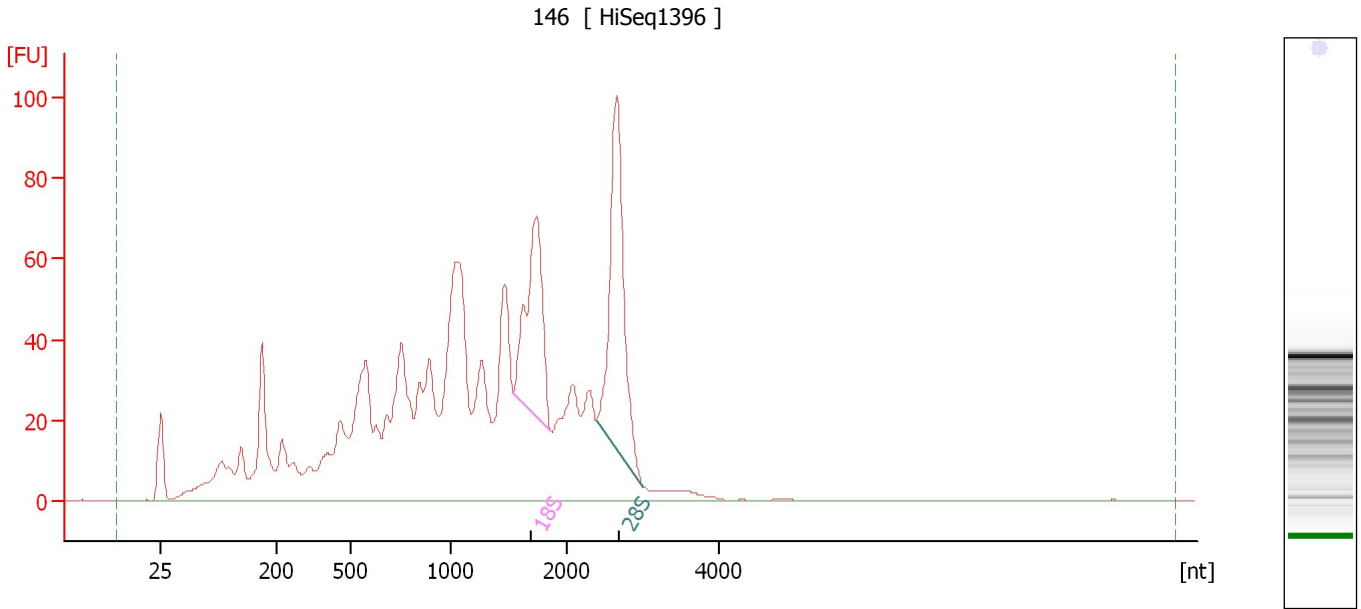
Fragment table for sample 3 : 145

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	1,871	166.5	7.4
28S	2,399	3,021	217.2	9.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 146

RNA Area: 1,512.8 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 5,166 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 6.20

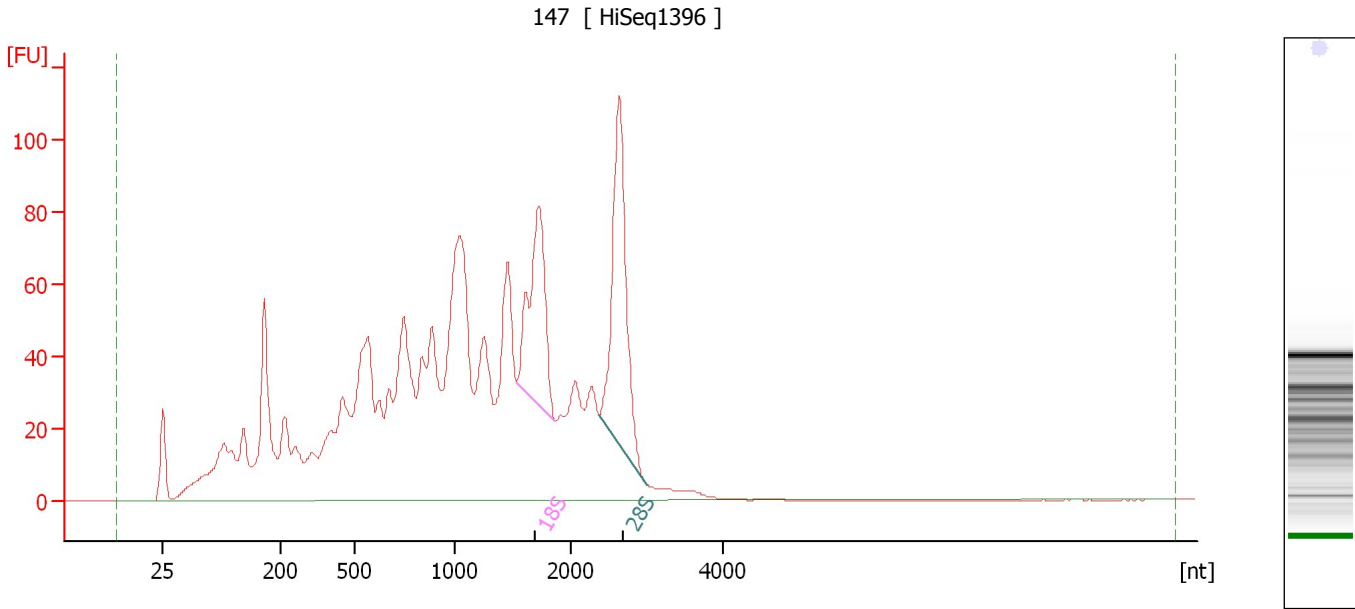
Fragment table for sample 4 : 146

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,865	110.5	7.3
28S	2,401	3,019	148.8	9.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 147

RNA Area:	1,969.0	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	6,725 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 5.70

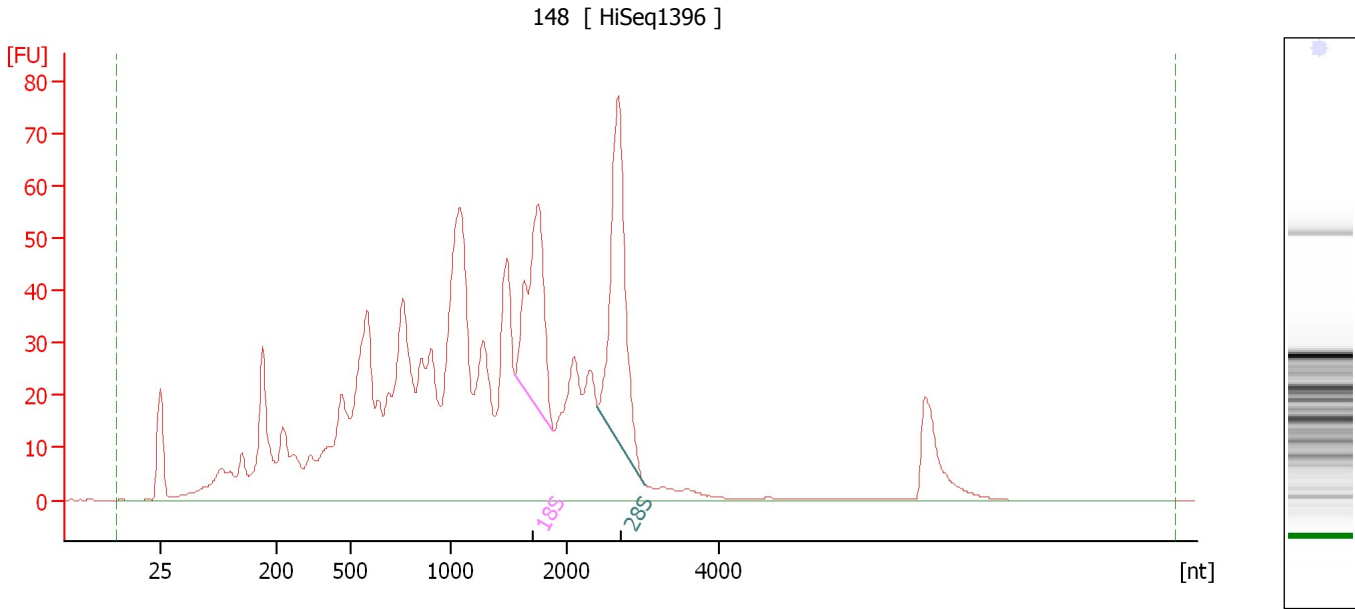
Fragment table for sample 5 : 147

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,858	121.8	6.2
28S	2,374	2,990	162.8	8.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 148

RNA Area:	1,373.4	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	4,691 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 5.90

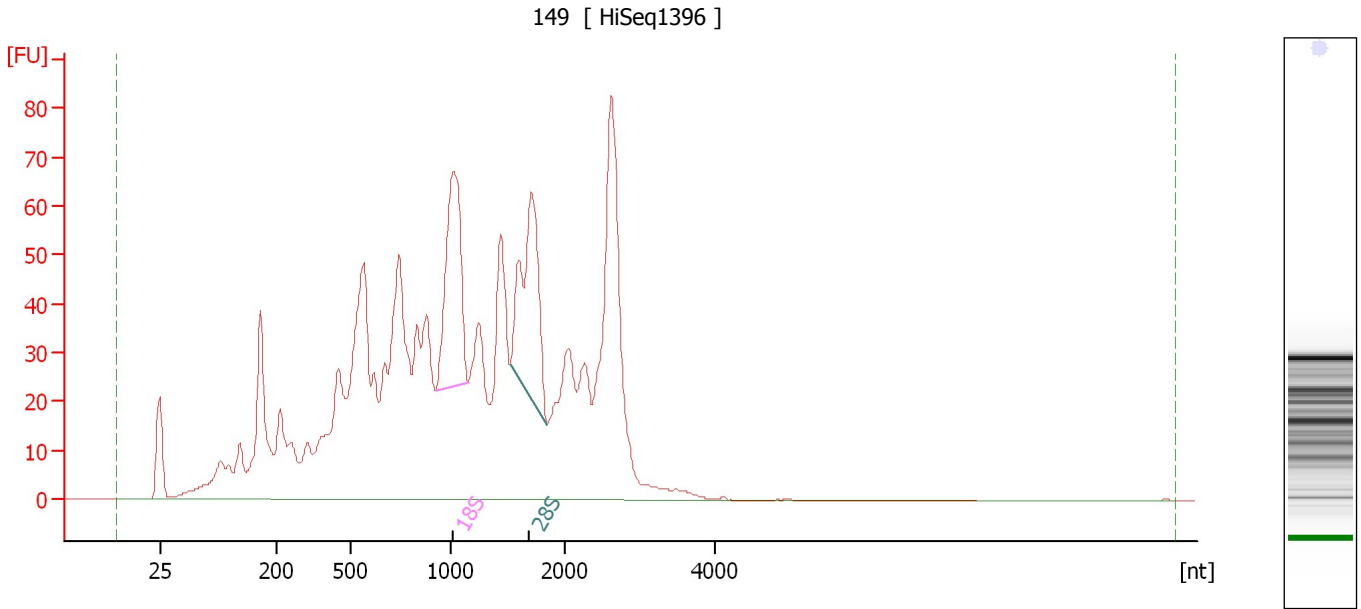
Fragment table for sample 6 : 148

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,883	89.6	6.5
28S	2,415	3,033	115.6	8.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 149

RNA Area: 1,590.4 RNA Integrity Number (RIN): 5.2 (B.02.08)
RNA Concentration: 5,432 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 5.20

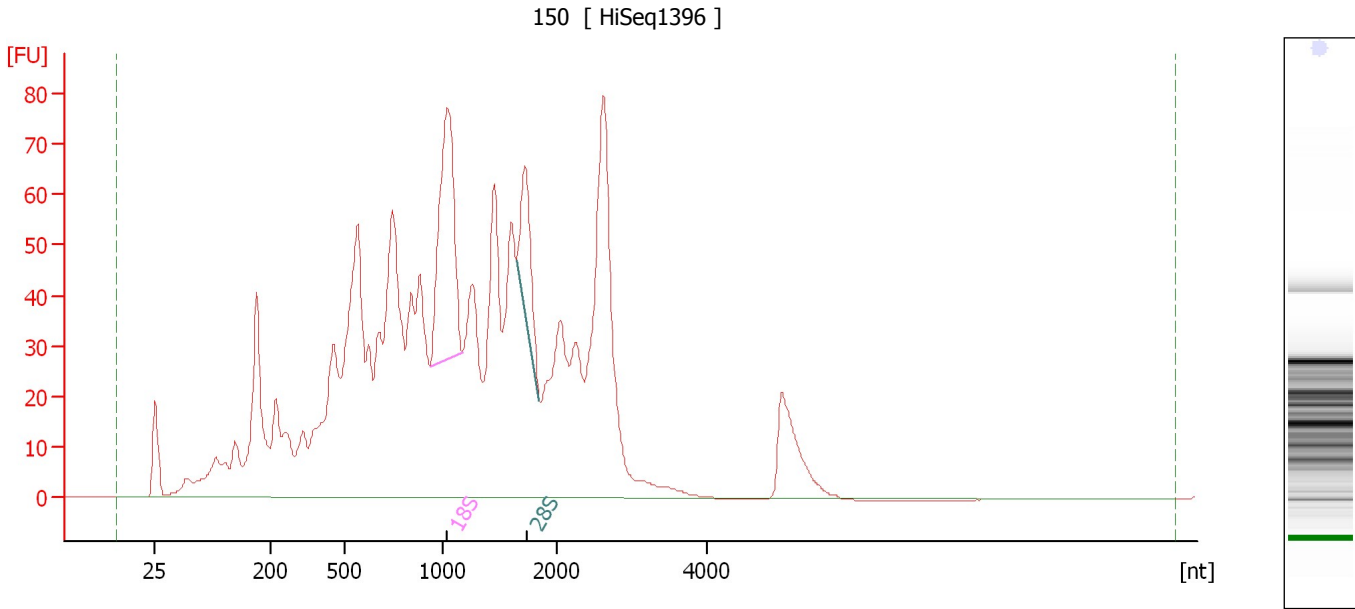
Fragment table for sample 7 : 149

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	932	1,162	100.6	6.3
28S	1,527	1,854	97.6	6.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
 Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 150

RNA Area:	1,830.0	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	6,250 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 4.40

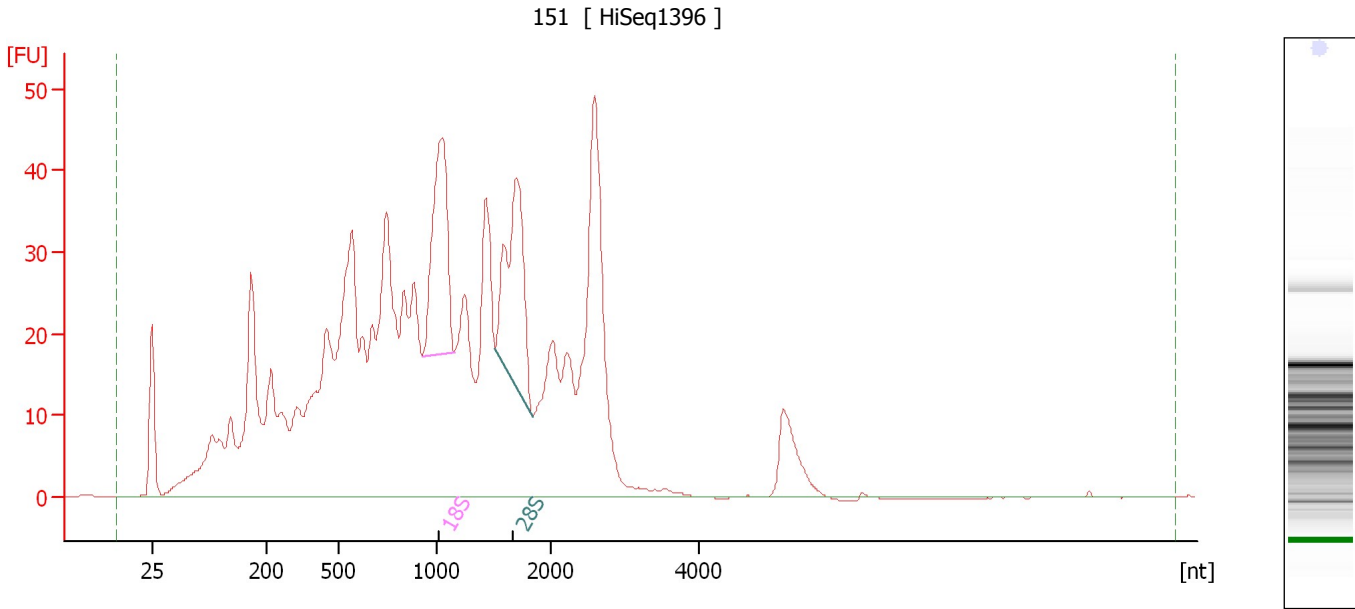
Fragment table for sample 8 : 150

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	935	1,169	113.3	6.2
28S	1,650	1,848	42.3	2.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
 Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 151

RNA Area:	1,161.7	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	3,967 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 4.90

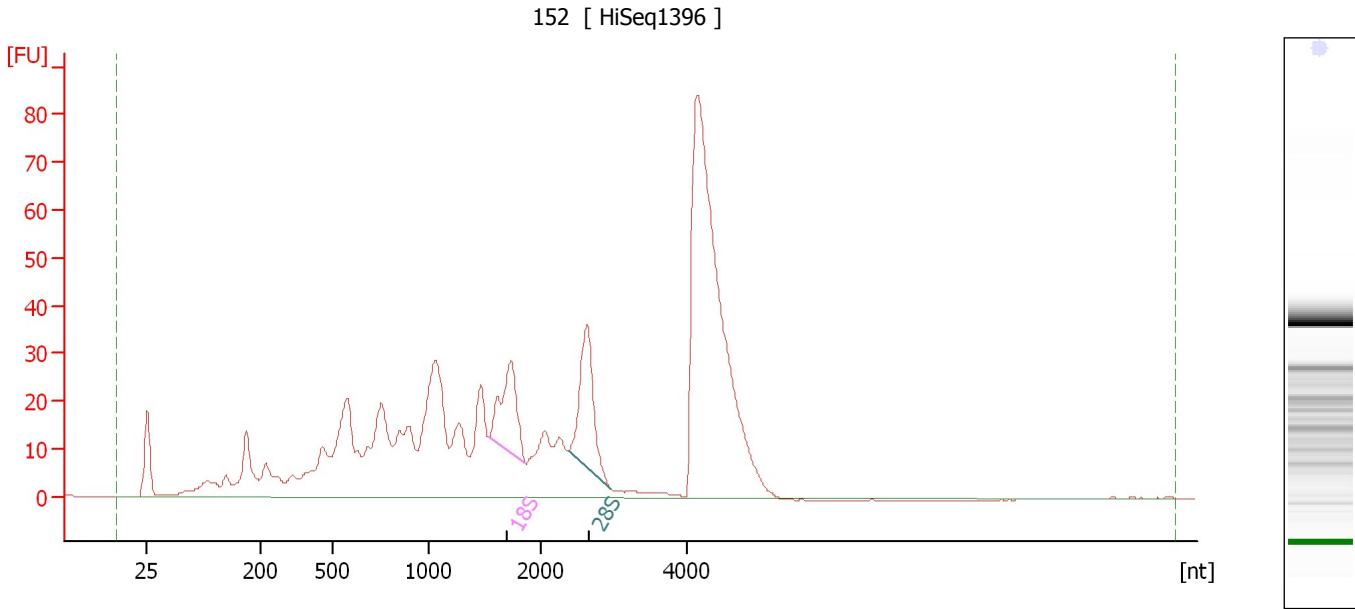
Fragment table for sample 9 : 151

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	923	1,150	61.0	5.2
28S	1,511	1,844	61.6	5.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
 Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 152

RNA Area:	946.1	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	3,231 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

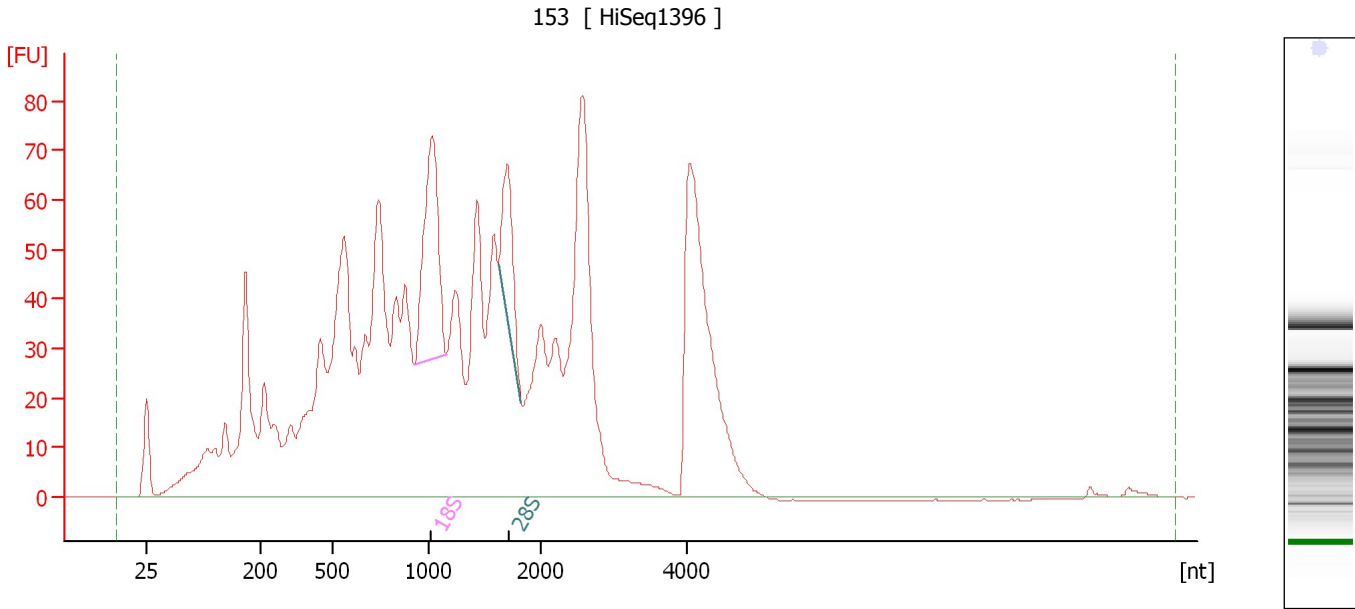
Fragment table for sample 10 : 152

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,865	43.4	4.6
28S	2,376	2,971	53.0	5.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 153

RNA Area: 2,038.2 RNA Integrity Number (RIN): 5.6 (B.02.08)
RNA Concentration: 6,961 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 5.60

Fragment table for sample 11 : 153

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	923	1,153	101.2	5.0
28S	1,625	1,826	46.2	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_006.xad

Created: 6/25/2018 3:12:22 PM
Modified: 6/25/2018 3:37:51 PM

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