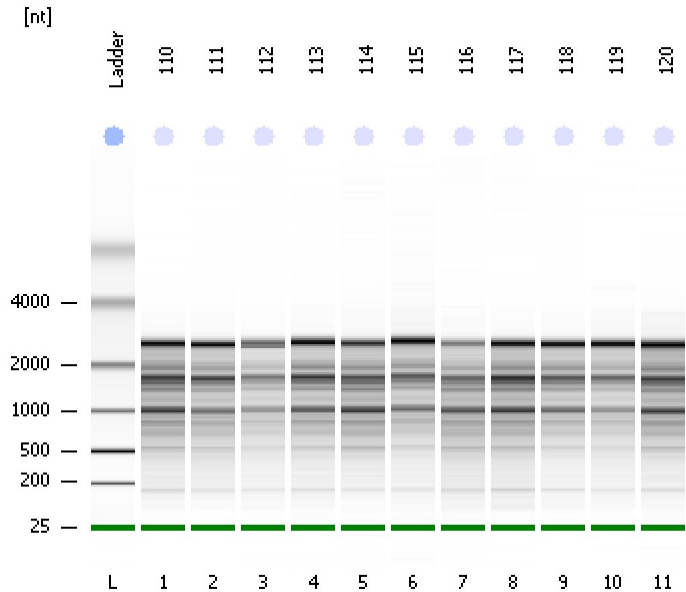


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electrophoresis File Run Summary



Instrument Information:

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

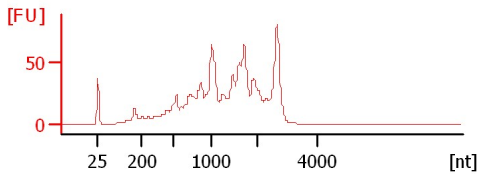
Assay Information:

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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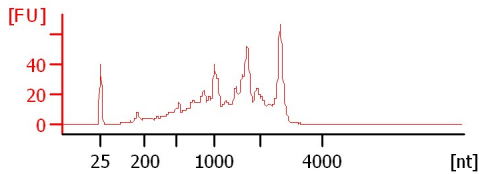
Chip Information:

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

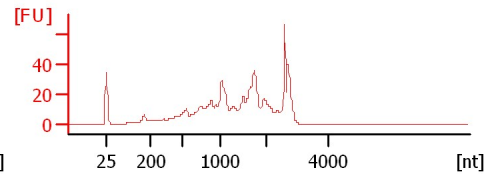
110
HiSeq1396
RIN: 5.50



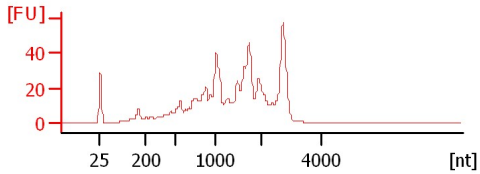
111
HiSeq1396
RIN: 6.40



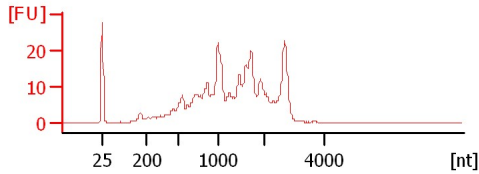
112
HiSeq1396
RIN: 4.70



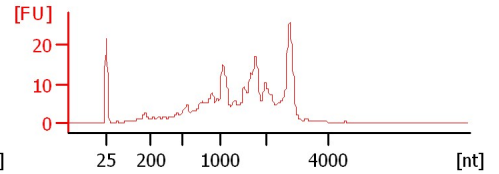
113
HiSeq1396
RIN: 6.50



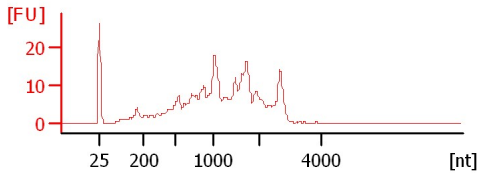
114
HiSeq1396
RIN: 5



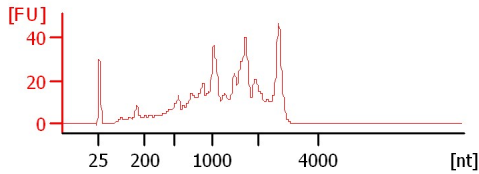
115
HiSeq1396
RIN: 6.90



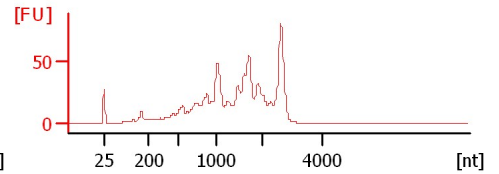
116
HiSeq1396
RIN: 5.50



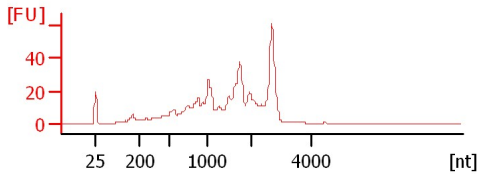
117
HiSeq1396
RIN: 6.10



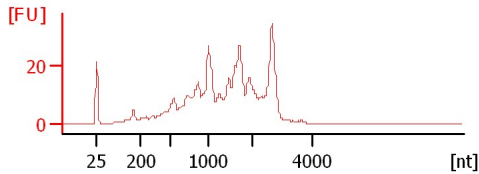
118
HiSeq1396
RIN: 6.40



119
HiSeq1396
RIN: 7



120
HiSeq1396
RIN: 6.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
 Modified: 6/25/2018 1:45:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
110	HiSeq1396	✓	RIN: 5.50	
111	HiSeq1396	✓	RIN: 6.40	
112	HiSeq1396	✓	RIN: 4.70	
113	HiSeq1396	✓	RIN: 6.50	
114	HiSeq1396	✓	RIN:5	
115	HiSeq1396	✓	RIN: 6.90	
116	HiSeq1396	✓	RIN: 5.50	
117	HiSeq1396	✓	RIN: 6.10	
118	HiSeq1396	✓	RIN: 6.40	
119	HiSeq1396	✓	RIN:7	
120	HiSeq1396	✓	RIN: 6.30	
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_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 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

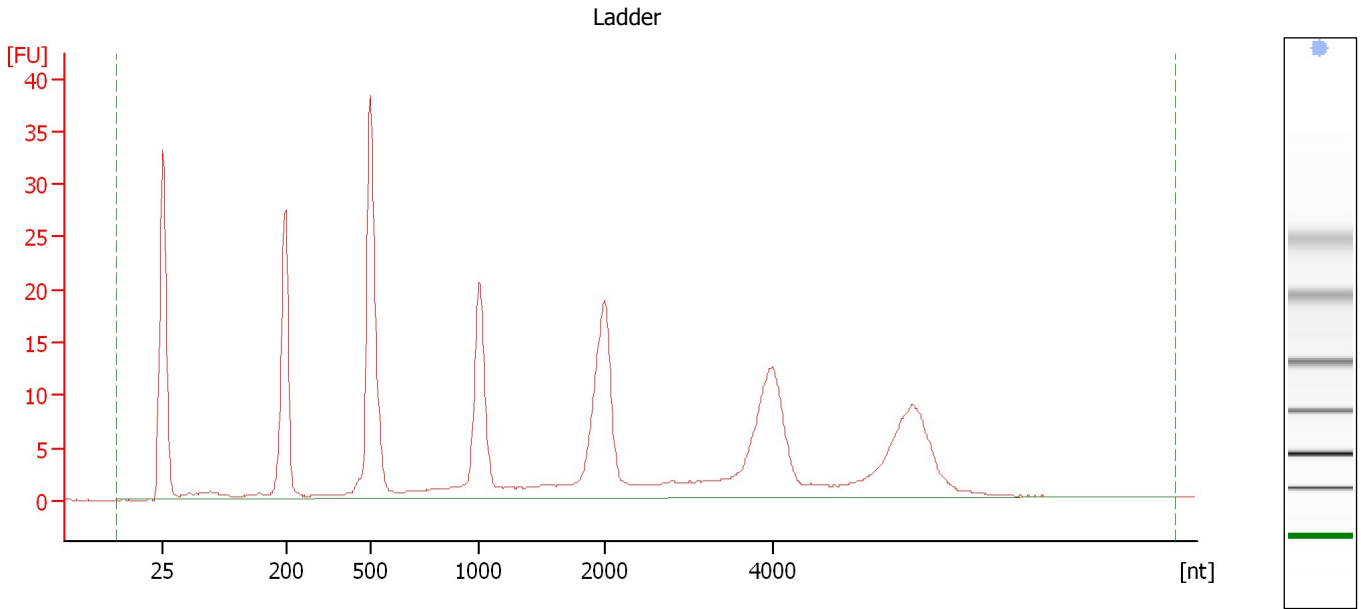
Ladder

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_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary



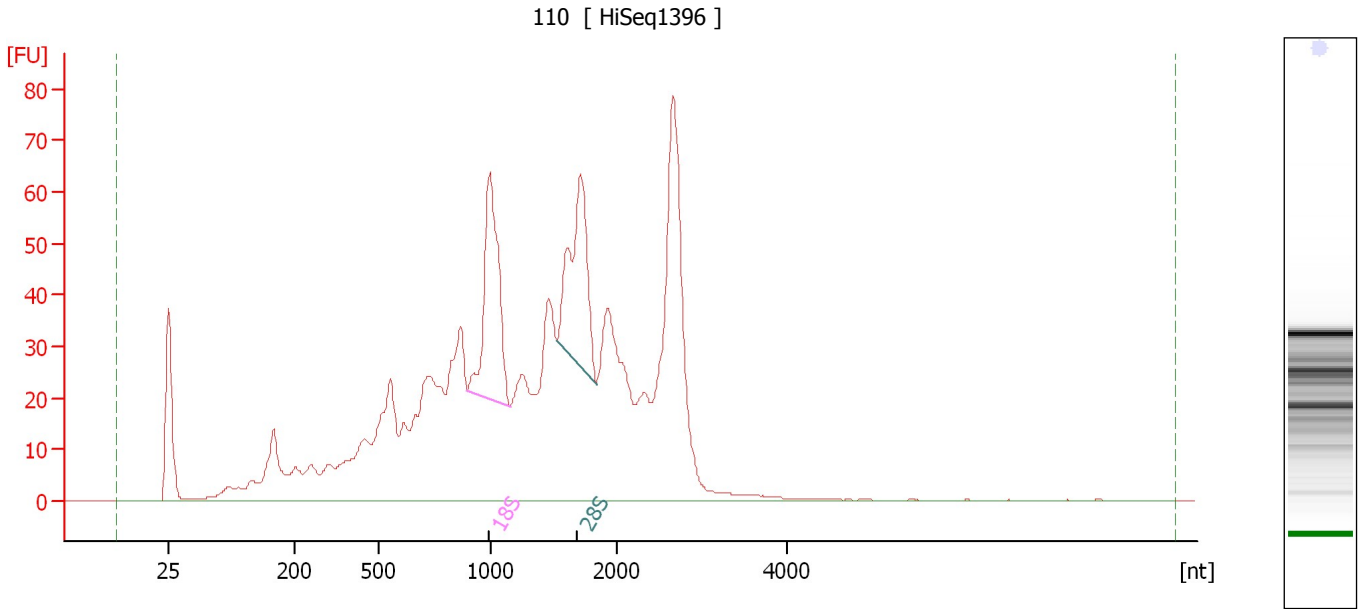
Overall Results for Ladder

RNA Area:	308.3	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_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 110

RNA Area: 1,311.7 RNA Integrity Number (RIN): 5.5 (B.02.08)
RNA Concentration: 4,255 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 5.50

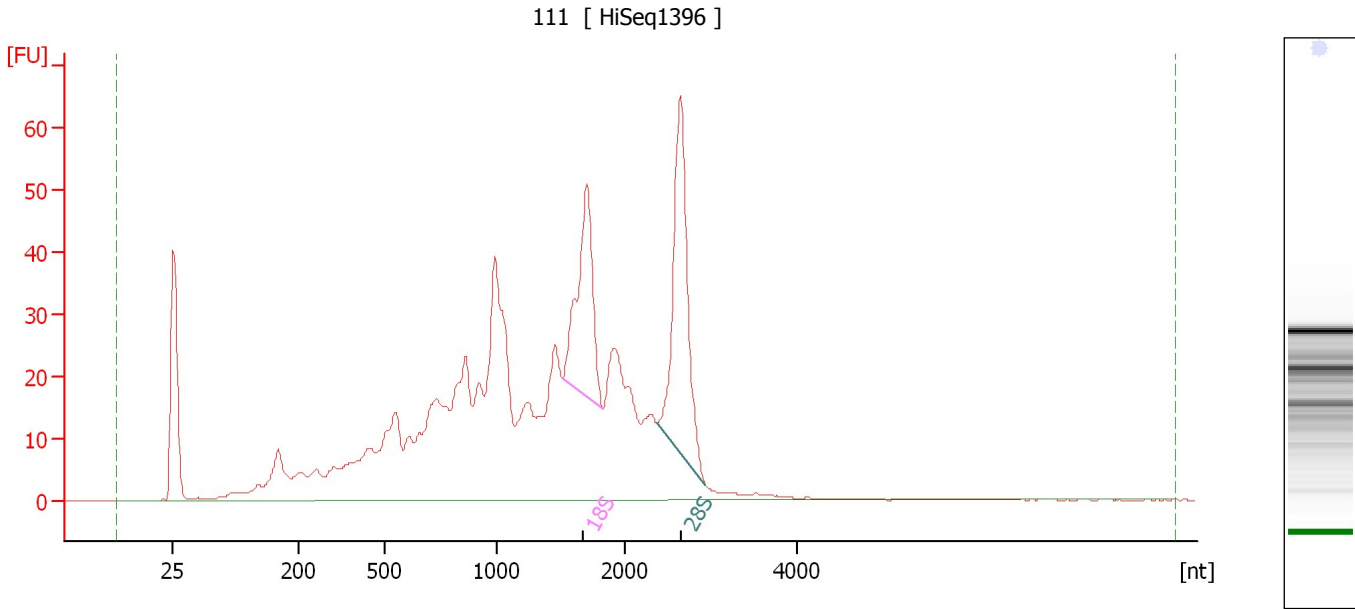
Fragment table for sample 1 : 110

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	897	1,159	90.7	6.9
28S	1,530	1,842	81.8	6.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
 Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 111

RNA Area:	890.1	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	2,887 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.40

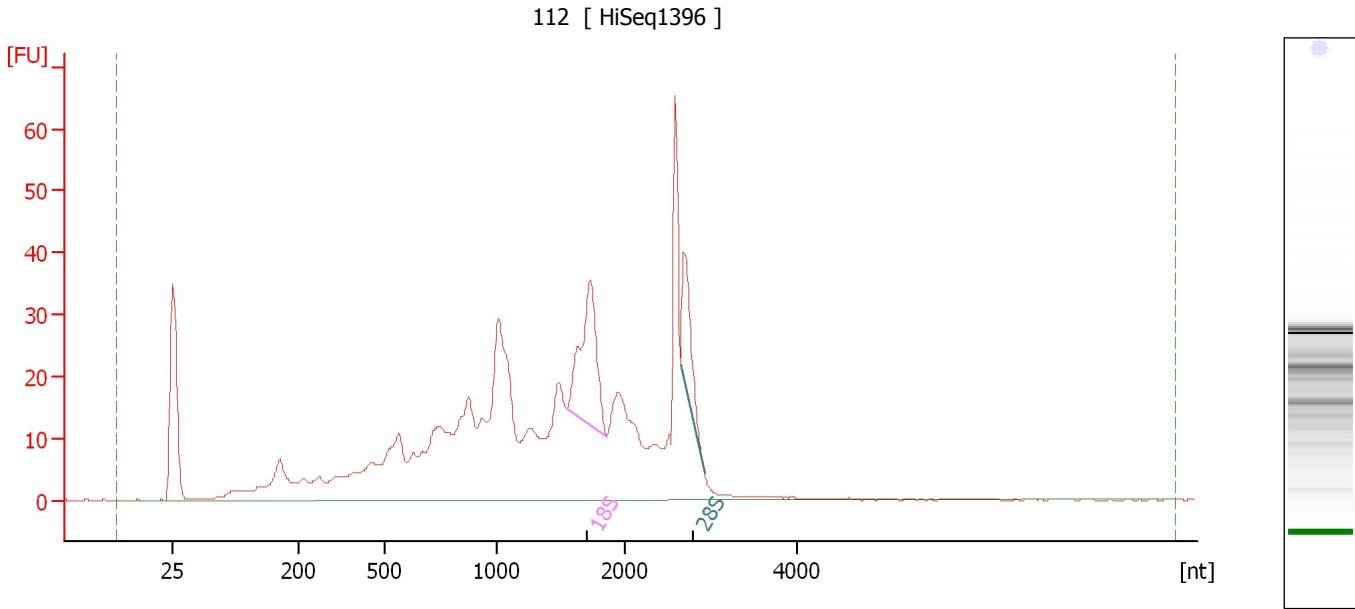
Fragment table for sample 2 : 111

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,820	68.0	7.6
28S	2,379	2,939	93.9	10.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 112

RNA Area: 666.4 RNA Integrity Number (RIN): 4.7 (B.02.08)
RNA Concentration: 2,162 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 4.70

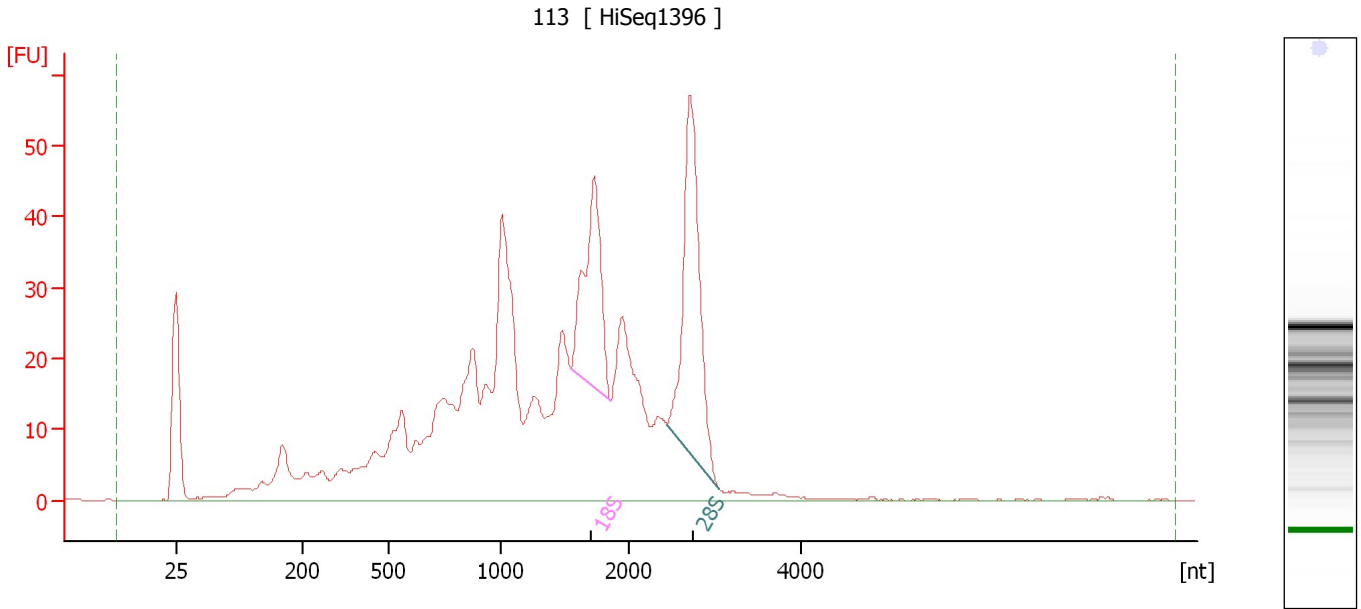
Fragment table for sample 3 : 112

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	1,853	48.2	7.2
28S	2,640	2,927	23.5	3.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 113

RNA Area: 834.0 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 2,705 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 6.50

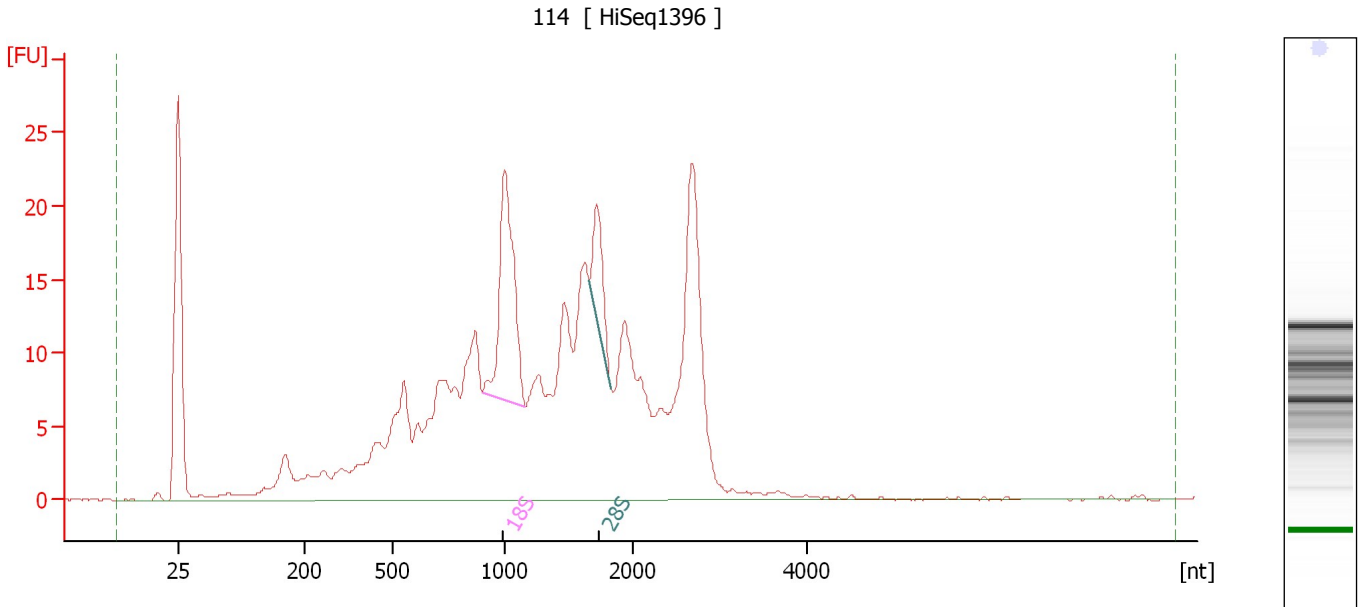
Fragment table for sample 4 : 113

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,854	63.5	7.6
28S	2,440	3,035	94.4	11.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
 Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 114

RNA Area:	421.0	RNA Integrity Number (RIN):	5 (B.02.08)
RNA Concentration:	1,366 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN:5

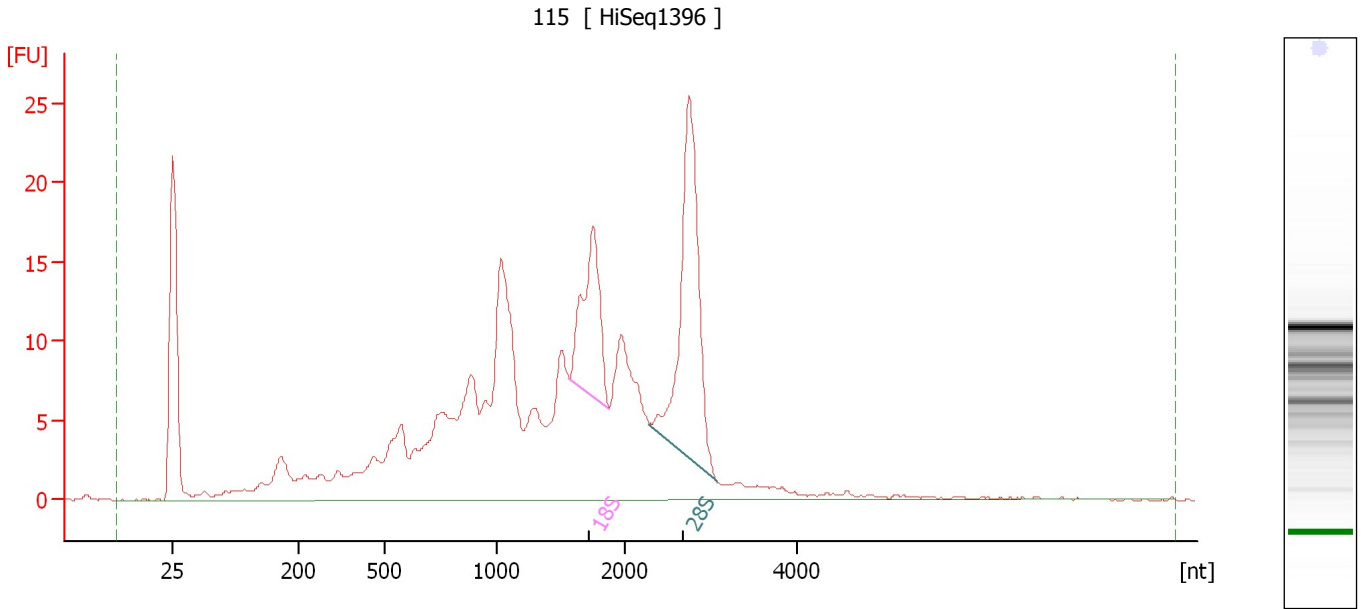
Fragment table for sample 5 : 114

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	902	1,160	31.3	7.4
28S	1,657	1,831	9.3	2.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 115

RNA Area: 345.3 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 1,120 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 6.90

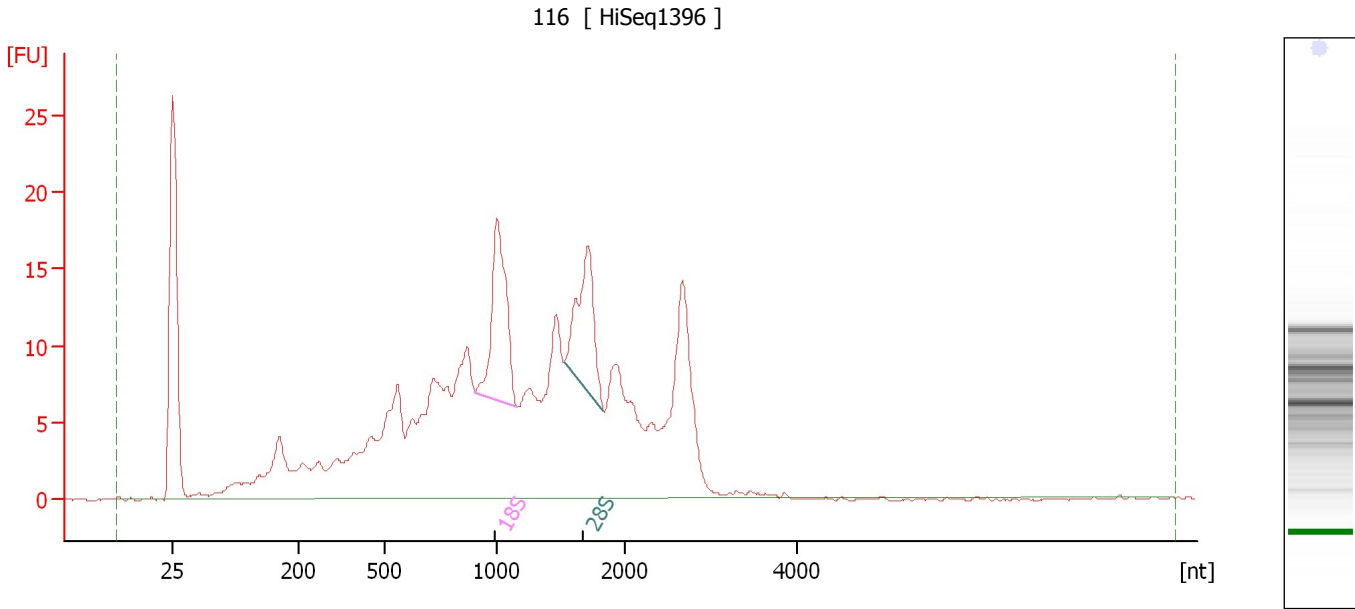
Fragment table for sample 6 : 115

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,878	23.4	6.8
28S	2,279	3,064	47.2	13.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 116

RNA Area: 367.2 RNA Integrity Number (RIN): 5.5 (B.02.08)
RNA Concentration: 1,191 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 5.50

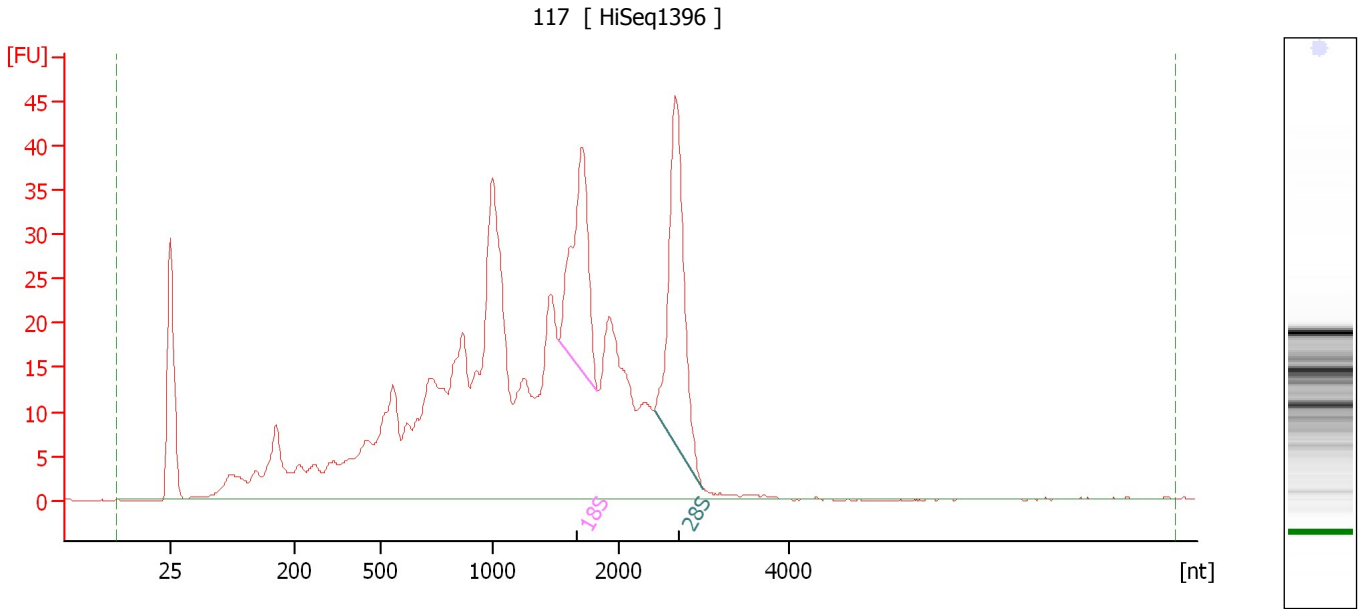
Fragment table for sample 7 : 116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	900	1,160	25.0	6.8
28S	1,527	1,828	20.2	5.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 117

RNA Area:	750.8	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	2,436 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.10

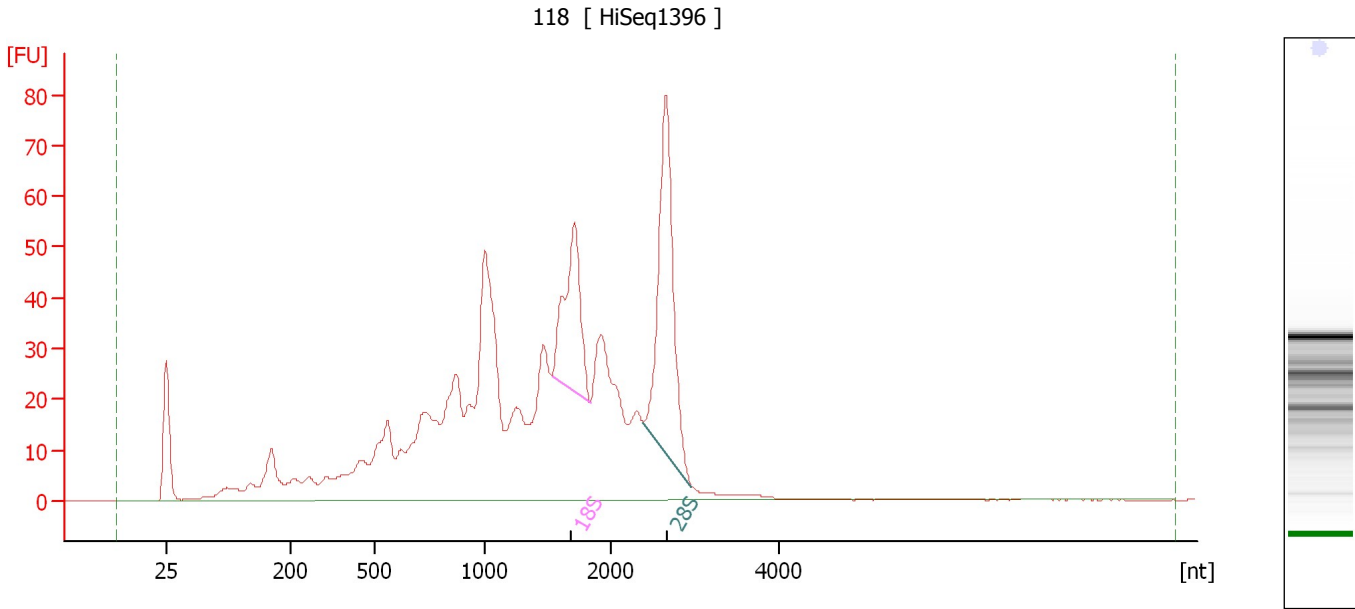
Fragment table for sample 8 : 117

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,834	52.3	7.0
28S	2,417	2,994	69.0	9.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 118

RNA Area: 1,034.3 RNA Integrity Number (RIN): 6.4 (B.02.08)
RNA Concentration: 3,355 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 6.40

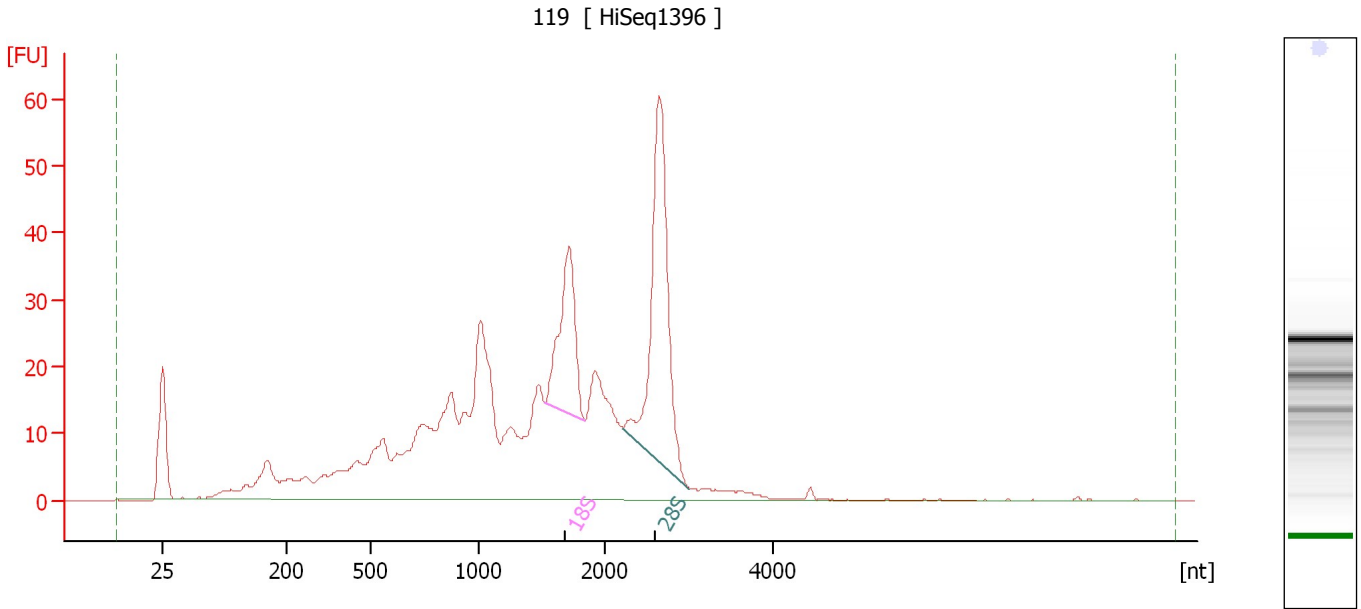
Fragment table for sample 9 : 118

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	1,839	70.3	6.8
28S	2,393	2,963	121.4	11.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 119

RNA Area:	692.2	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	2,245 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:7

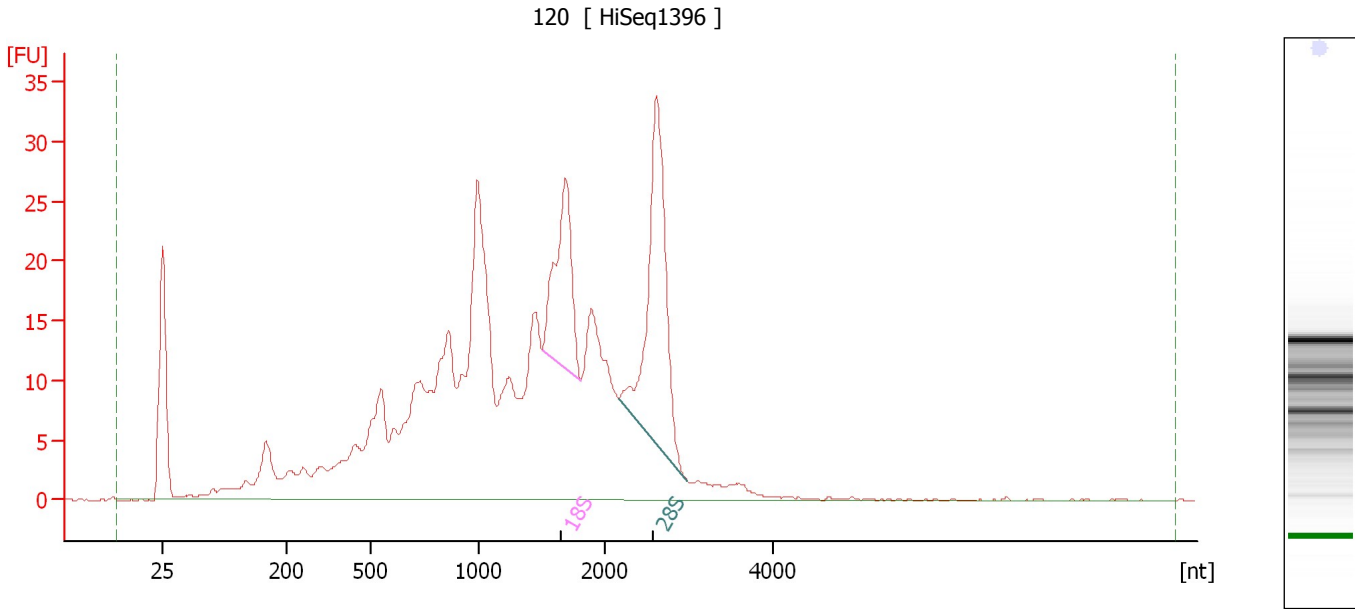
Fragment table for sample 10 : 119

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	1,837	51.4	7.4
28S	2,229	3,019	104.6	15.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 120

RNA Area:	553.6	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	1,796 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 6.30

Fragment table for sample 11 : 120

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	1,811	33.5	6.0
28S	2,165	2,993	62.1	11.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25_004.xad

Created: 6/25/2018 1:23:38 PM
Modified: 6/25/2018 1:45:59 PM

Gel Image

