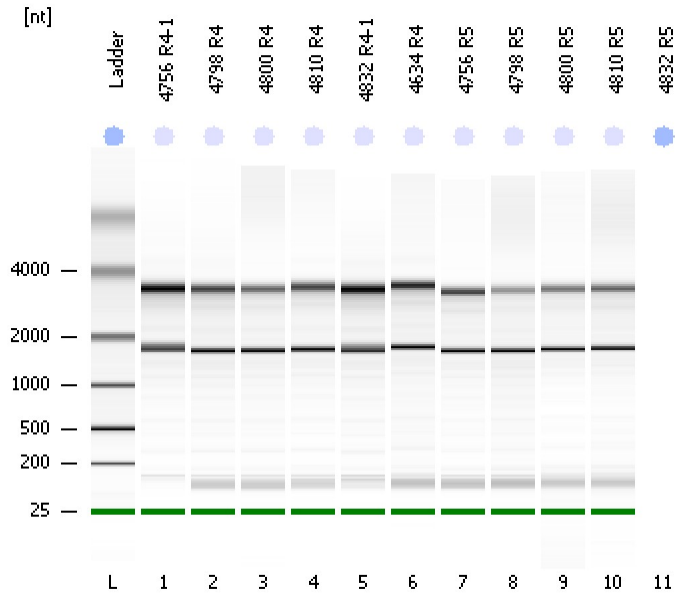


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

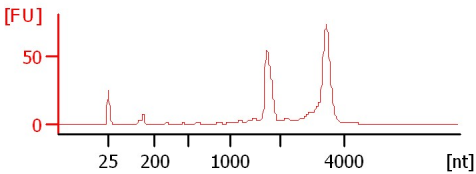
Assay Information:

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.

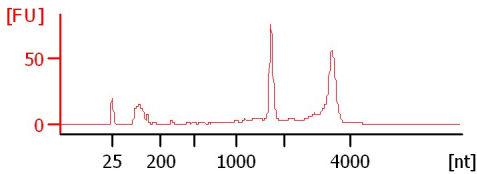
Chip Information:

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

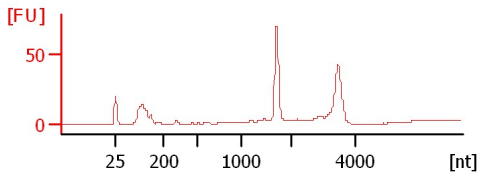
4756 R4-1
RIN: 9.80



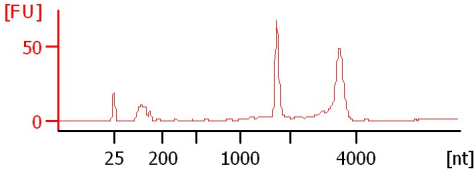
4798 R4
RIN: 8.70



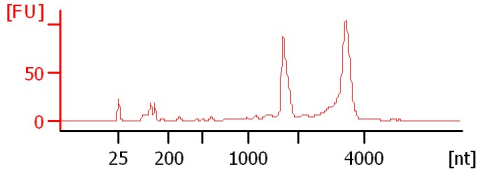
4800 R4
RIN: 8.90



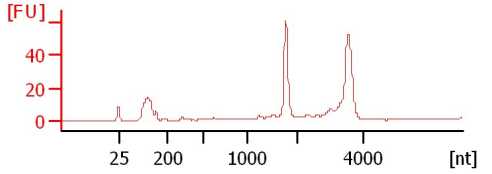
4810 R4
RIN: 9.30



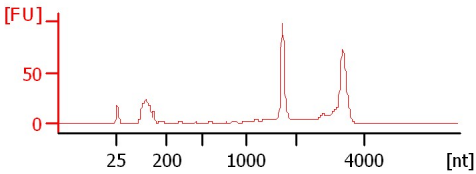
4832 R4-1
RIN: 9.40



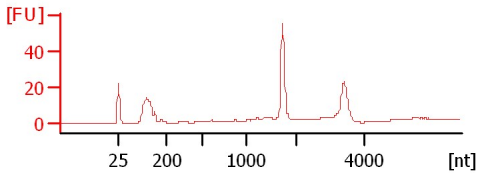
4634 R4
RIN: 9



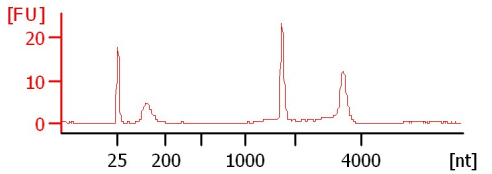
4756 R5
RIN: 9.10



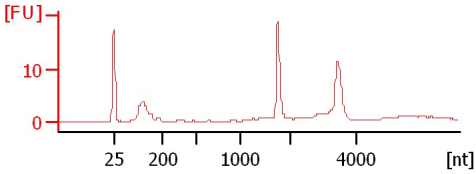
4798 R5
RIN: 8.70



4800 R5
RIN: 9.70



4810 R5
RIN: 10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
 Modified: 8/30/2017 2:58:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4756 R4-1		✓	RIN: 9.80	
4798 R4		✓	RIN: 8.70	
4800 R4		✓	RIN: 8.90	
4810 R4		✓	RIN: 9.30	
4832 R4-1		✓	RIN: 9.40	
4634 R4		✓	RIN:9	
4756 R5		✓	RIN: 9.10	
4798 R5		✓	RIN: 8.70	
4800 R5		✓	RIN: 9.70	
4810 R5		✓	RIN:10	
4832 R5				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

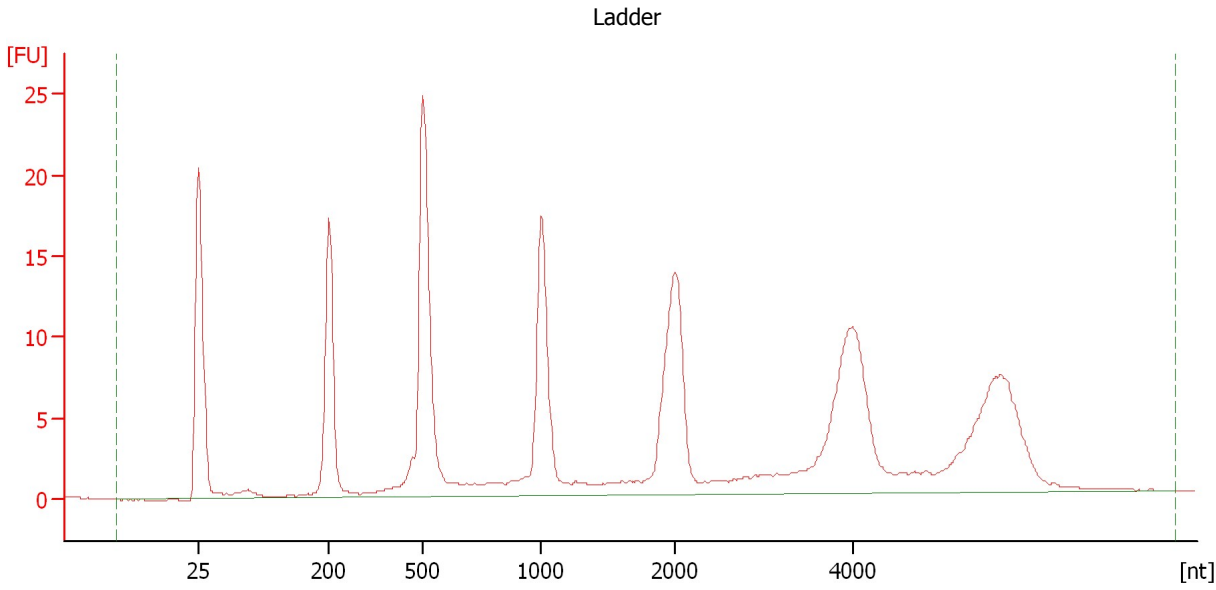
Ladder

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\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary



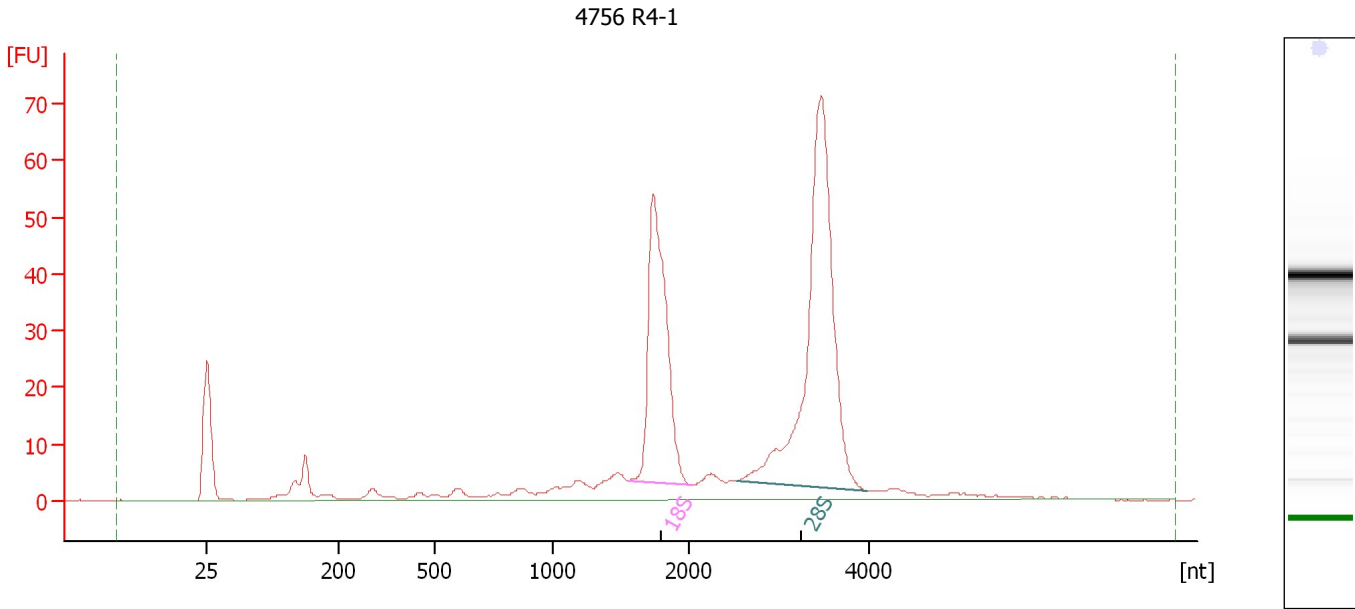
Overall Results for Ladder

RNA Area:	230.8	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\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4756 R4-1

RNA Area: 445.9 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 1,932 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.80

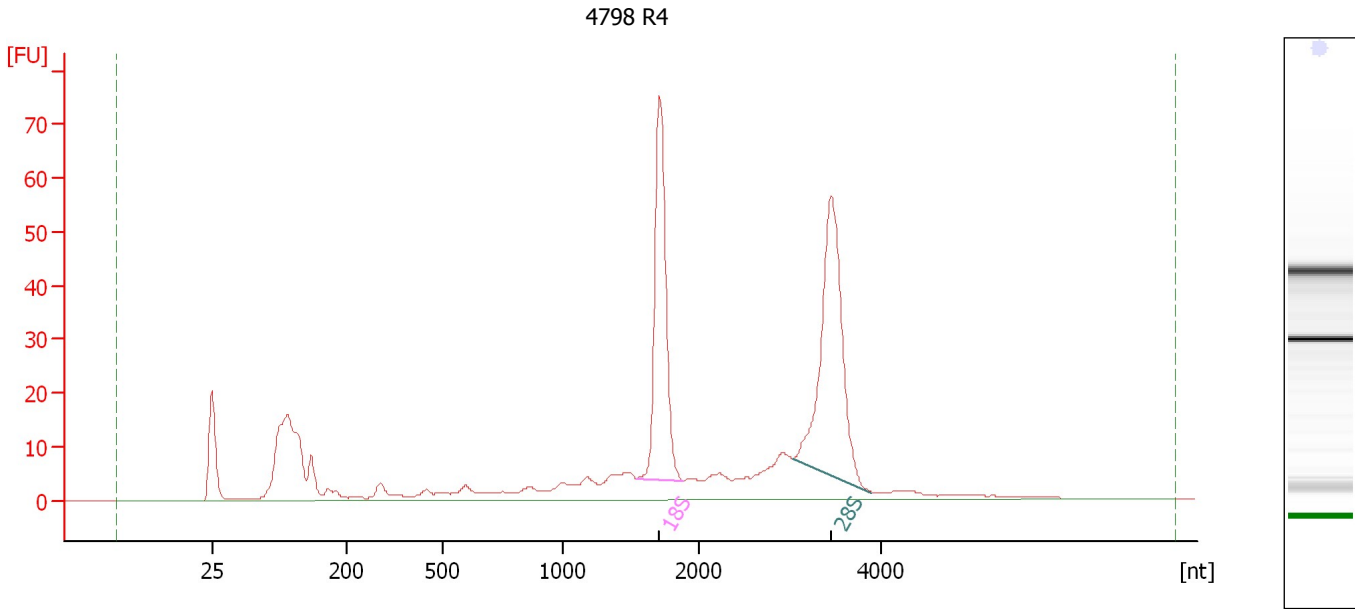
Fragment table for sample 1 : 4756 R4-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	2,039	110.7	24.8
28S	2,538	3,962	181.7	40.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4798 R4

RNA Area: 480.1 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 2,080 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.70

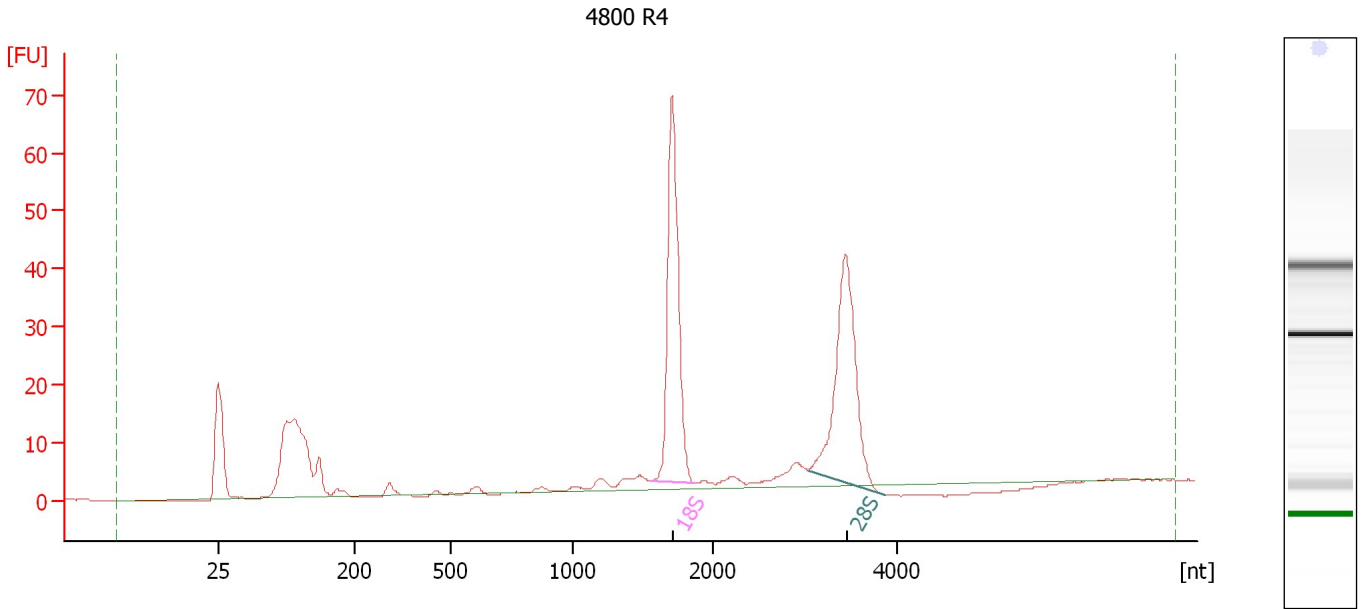
Fragment table for sample 2 : 4798 R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	1,871	92.7	19.3
28S	3,028	3,886	110.9	23.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 4800 R4

RNA Area: 285.9 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 1,239 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 8.90

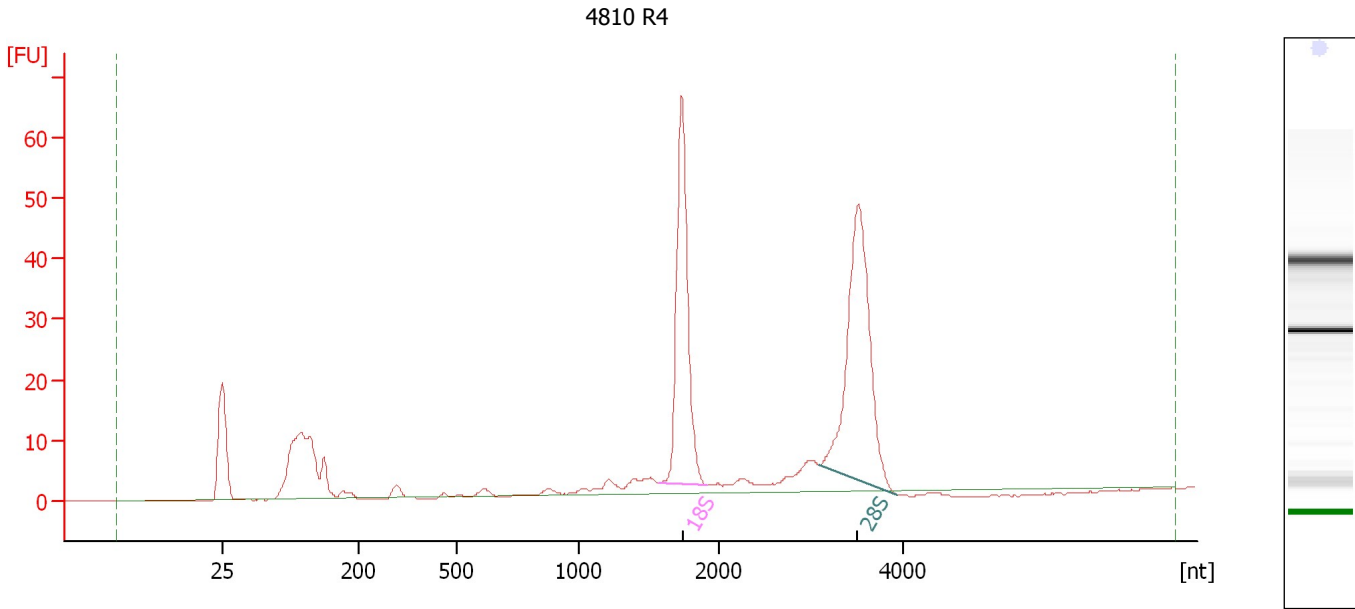
Fragment table for sample 3 : 4800 R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,875	85.0	29.7
28S	3,042	3,866	78.9	27.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
 Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4810 R4

RNA Area:	311.3	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	1,349 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.30

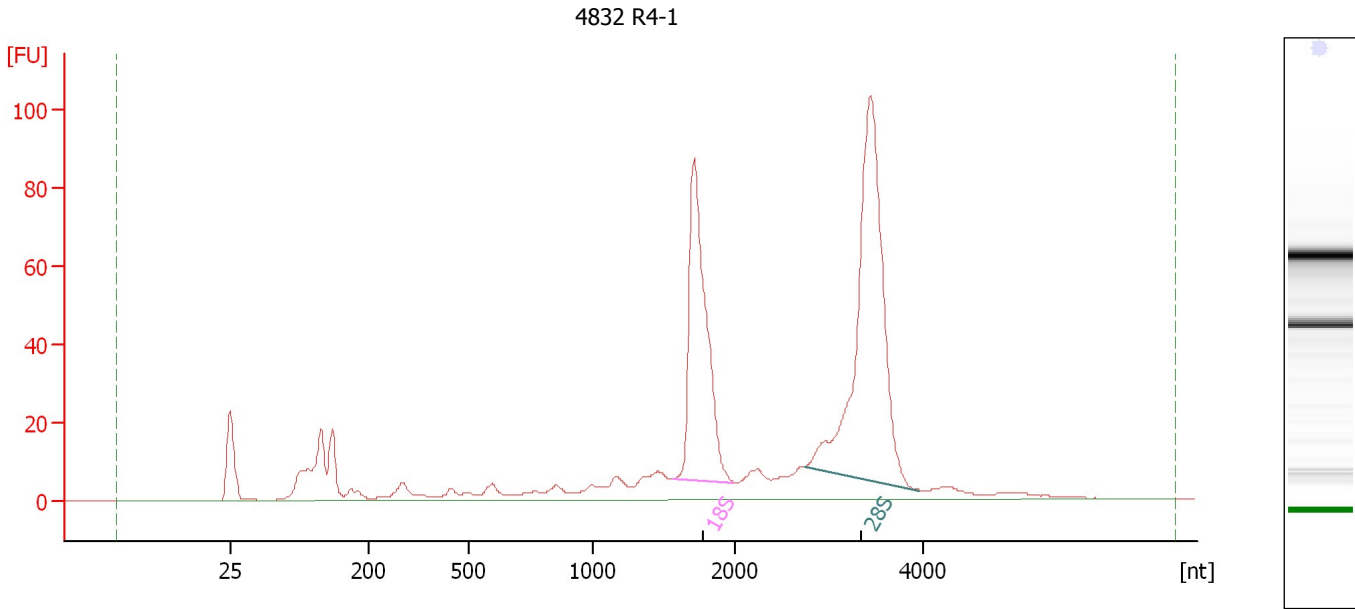
Fragment table for sample 4 : 4810 R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,923	83.1	26.7
28S	3,083	3,925	100.6	32.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 4832 R4-1

RNA Area: 734.8 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 3,184 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.40

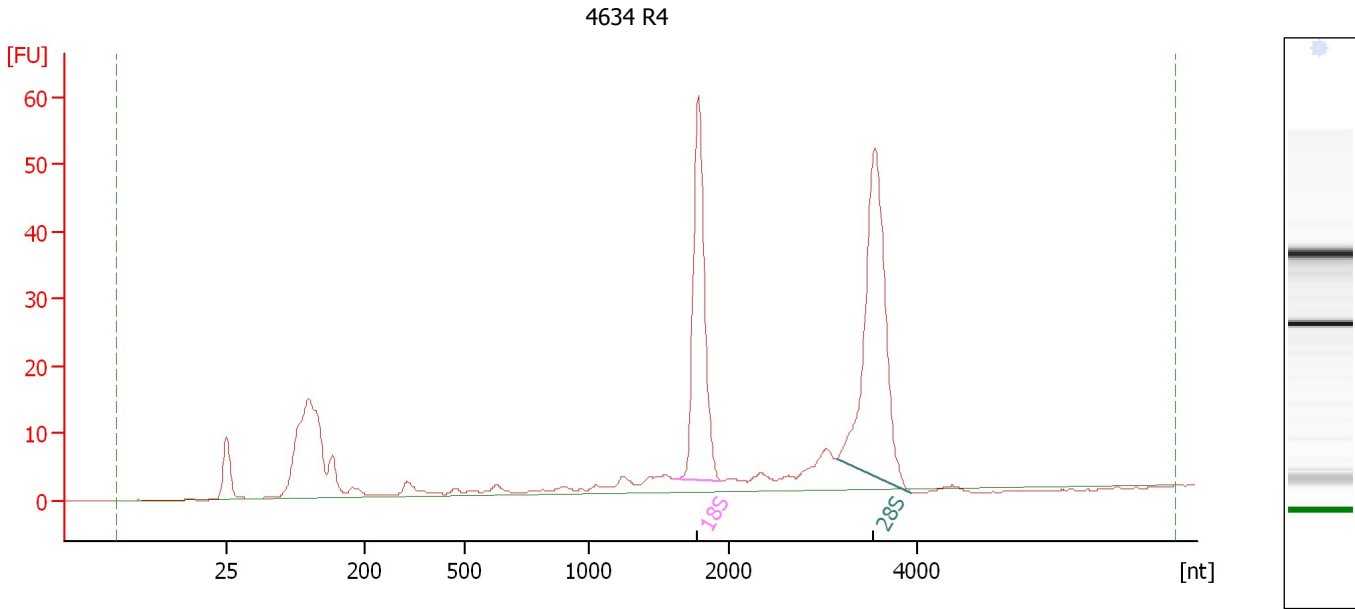
Fragment table for sample 5 : 4832 R4-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,987	157.3	21.4
28S	2,741	3,955	249.1	33.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
 Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 4634 R4

RNA Area:	336.6	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	1,458 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

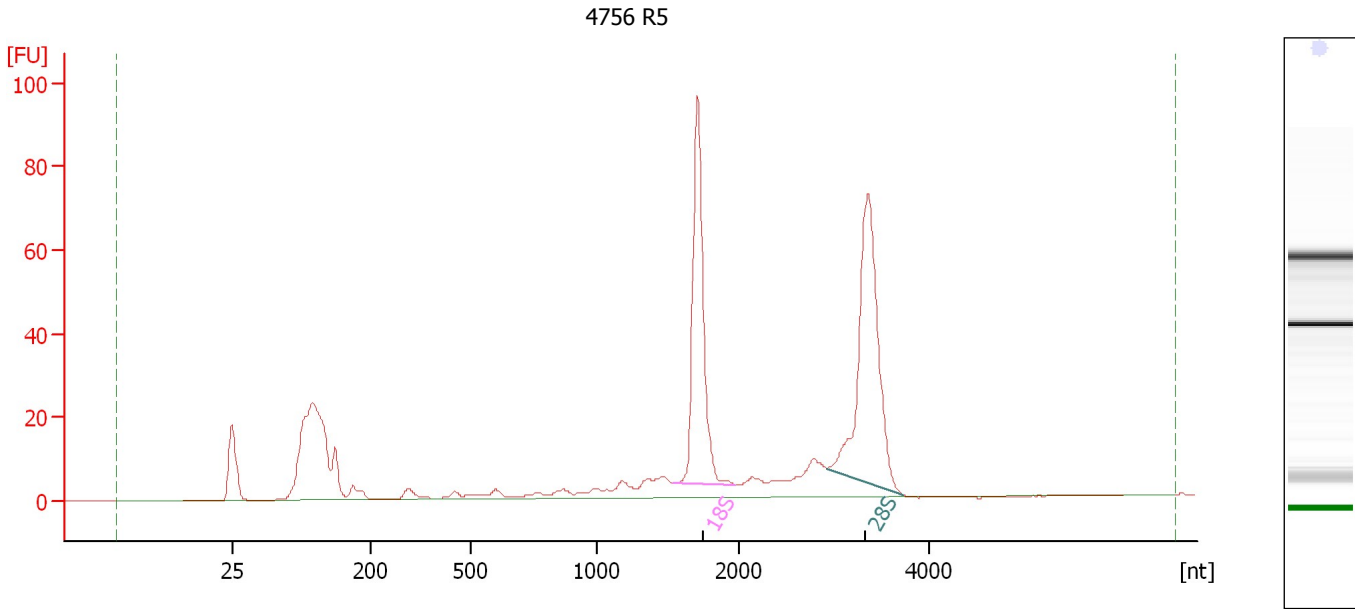
Fragment table for sample 6 : 4634 R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,948	74.5	22.1
28S	3,143	3,954	98.0	29.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4756 R5

RNA Area: 497.0 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 2,153 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 9.10

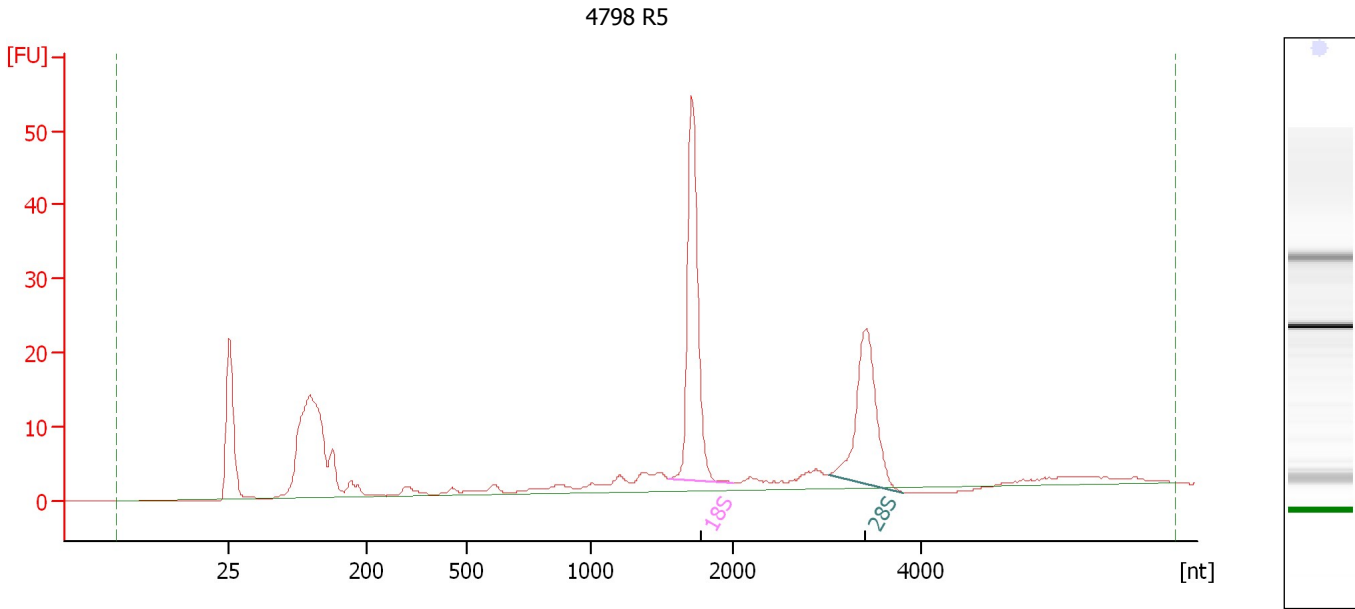
Fragment table for sample 7 : 4756 R5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,973	112.2	22.6
28S	2,931	3,733	132.0	26.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
 Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4798 R5

RNA Area:	240.5	RNA Integrity Number (RIN):	8.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,042 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 8.70

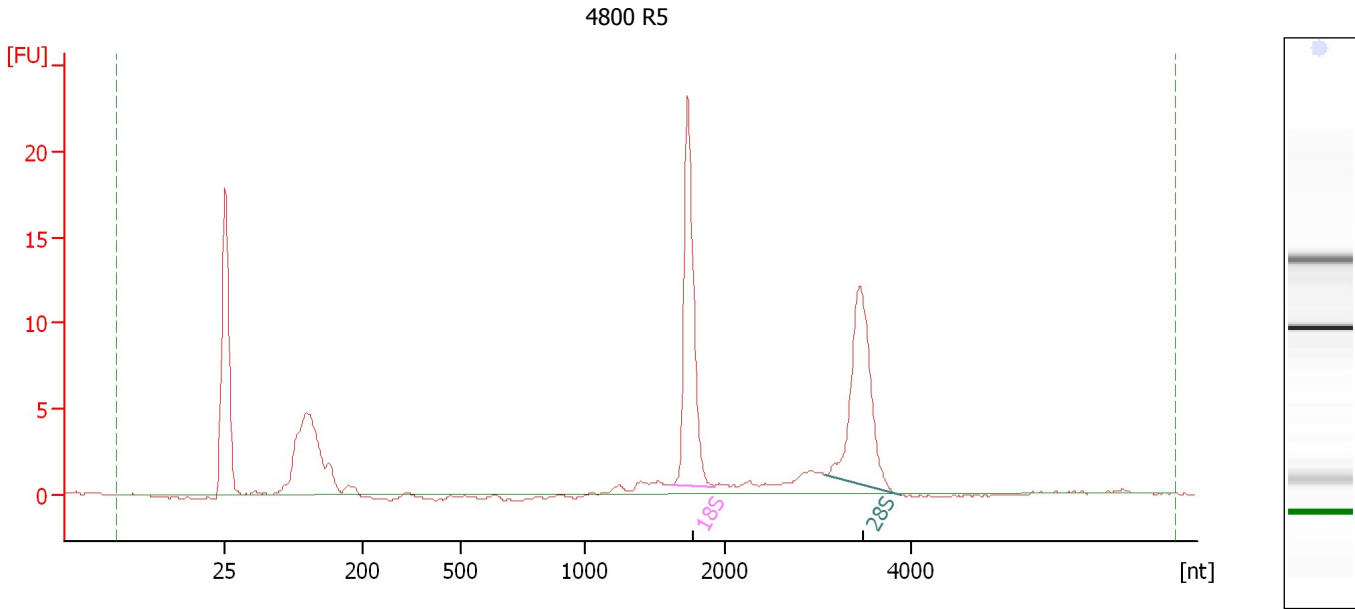
Fragment table for sample 8 : 4798 R5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,994	61.1	25.4
28S	3,026	3,799	40.7	16.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4800 R5

RNA Area: 91.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 397 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 9.70

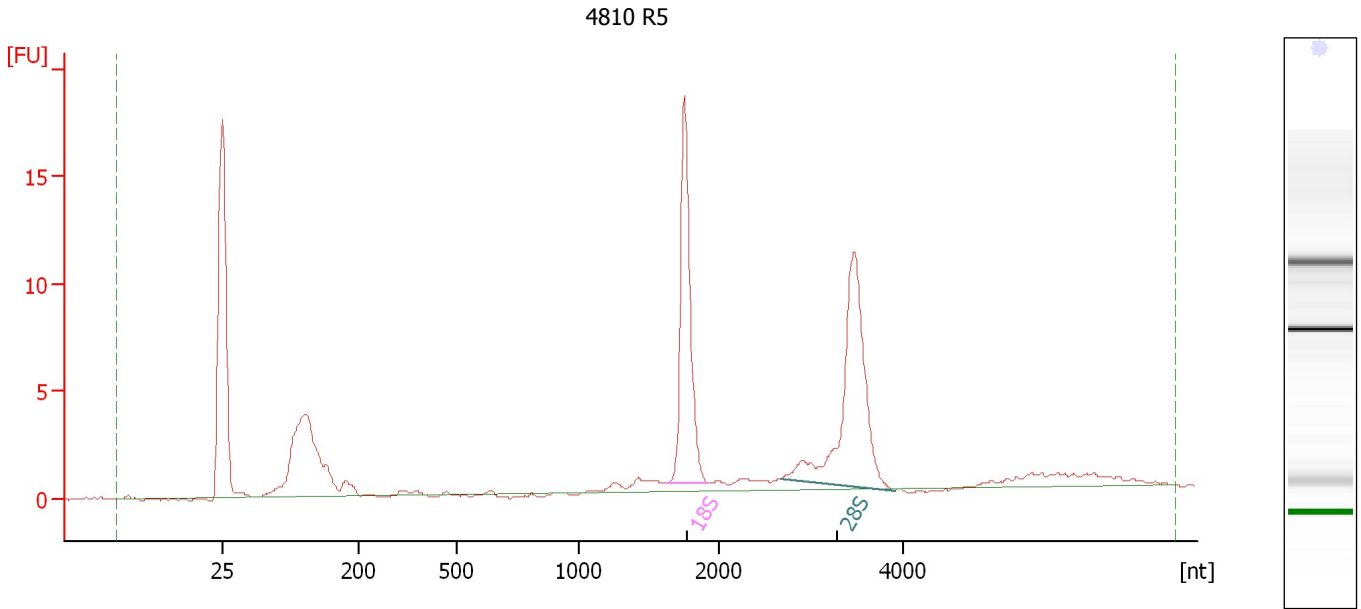
Fragment table for sample 9 : 4800 R5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,620	1,924	25.3	27.6
28S	3,078	3,880	22.7	24.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 4810 R5

RNA Area: 83.9 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 364 µg/µl
rRNA Ratio [28s / 18s]: 1.2
Result Flagging Color:
Result Flagging Label: RIN:10

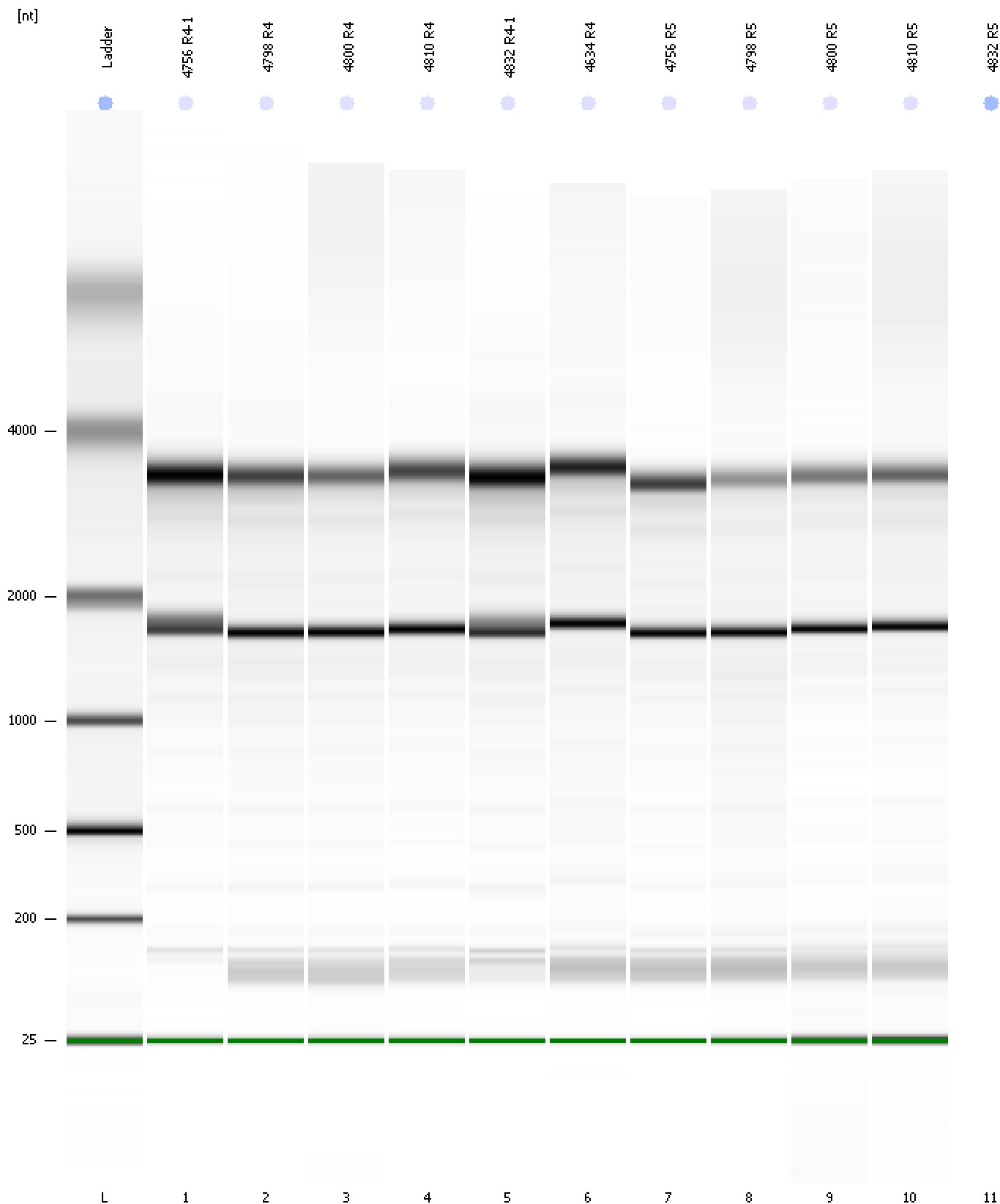
Fragment table for sample 10 : 4810 R5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	1,923	20.7	24.7
28S	2,668	3,902	24.3	28.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-30\2017-08-30_002.xad

Created: 8/30/2017 2:31:43 PM
Modified: 8/30/2017 2:58:09 PM

Invalid Samples

Sample 11 has not been run, no results available.