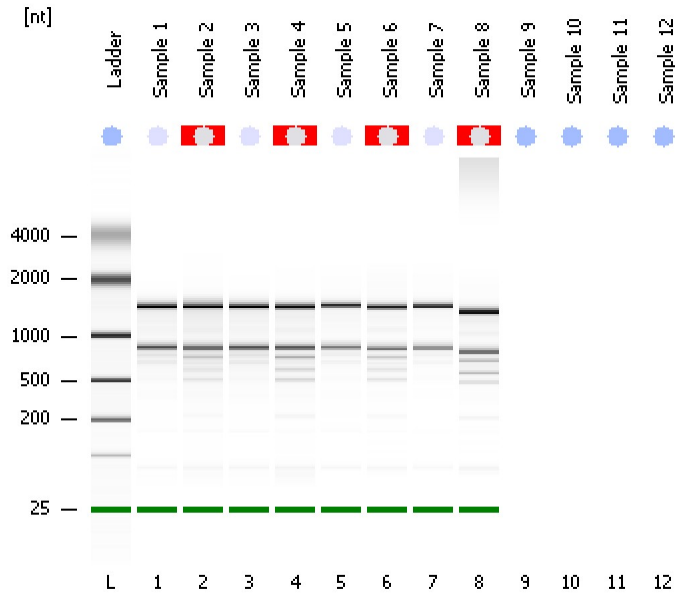


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electrophoresis File Run Summary



Instrument Information:

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

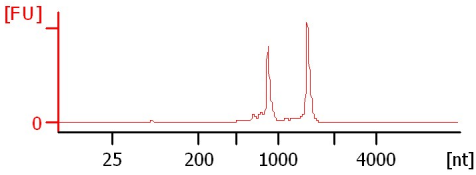
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

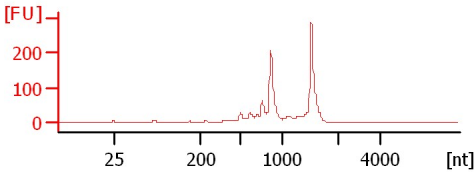
Chip Information:

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

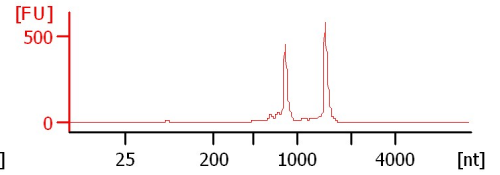
Sample 1
RIN: 9.10



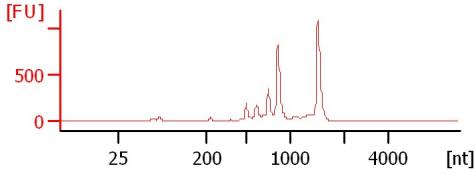
Sample 2
RIN N/A



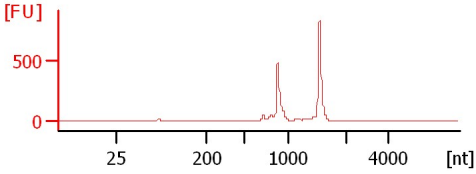
Sample 3
RIN: 8.80



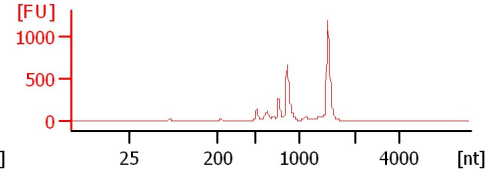
Sample 4
RIN N/A



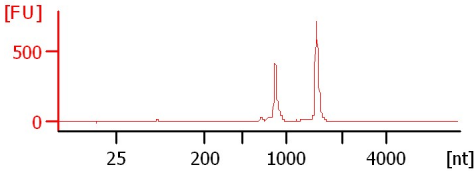
Sample 5
RIN: 9.20



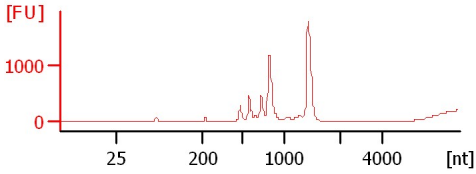
Sample 6
RIN N/A



Sample 7
RIN: 9.60



Sample 8
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
 Modified: 6/16/2014 2:56:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.10	
Sample 2		✓	RIN N/A	
Sample 3		✓	RIN: 8.80	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN: 9.20	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN: 9.60	
Sample 8		✓	RIN N/A	
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

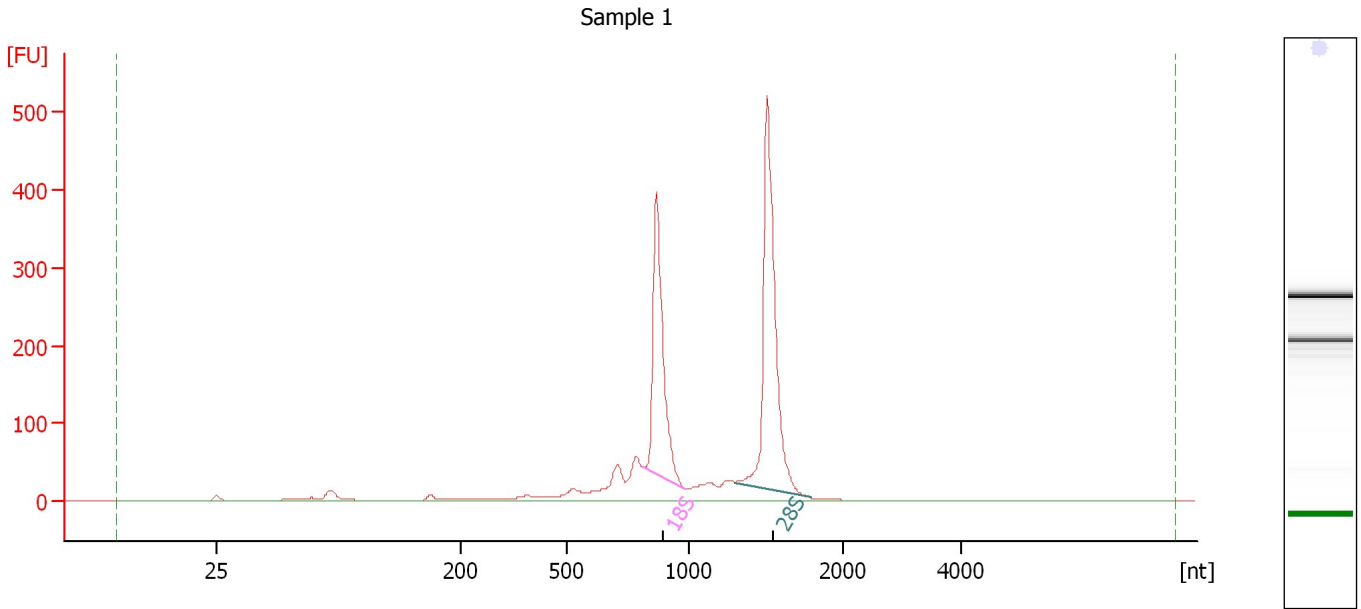
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	1,746.7	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,224 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.10

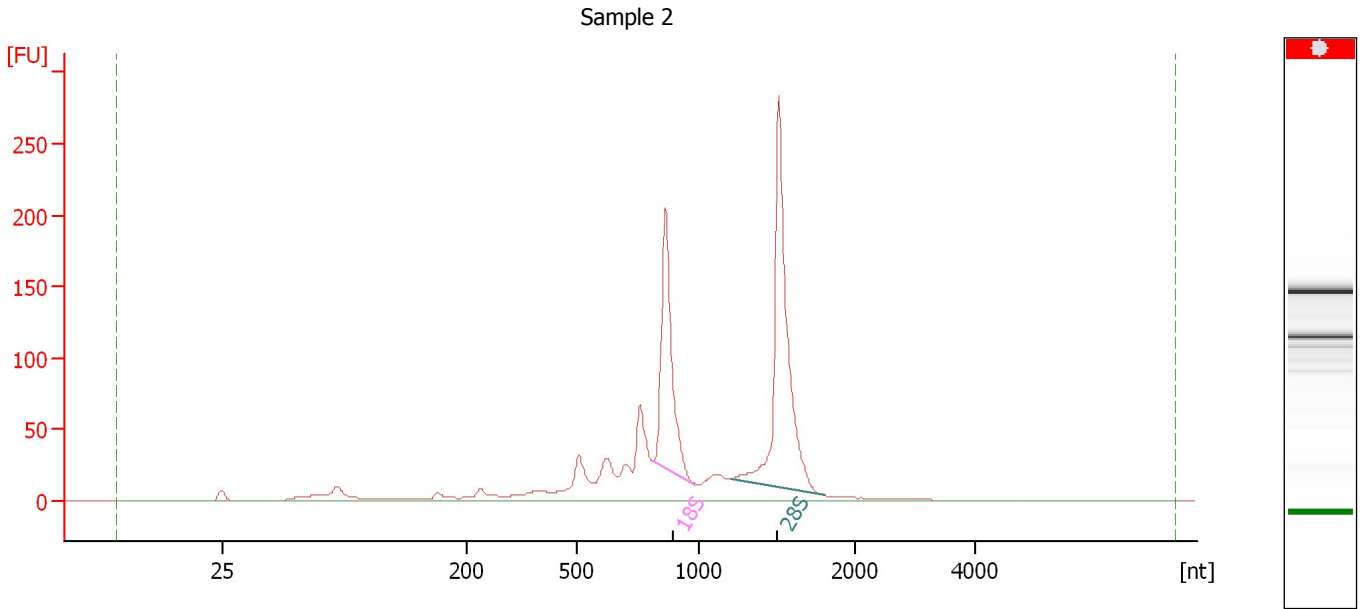
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	815	988	427.0	24.4
28S	1,300	1,792	619.4	35.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
 Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	1,218.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,551 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN N/A

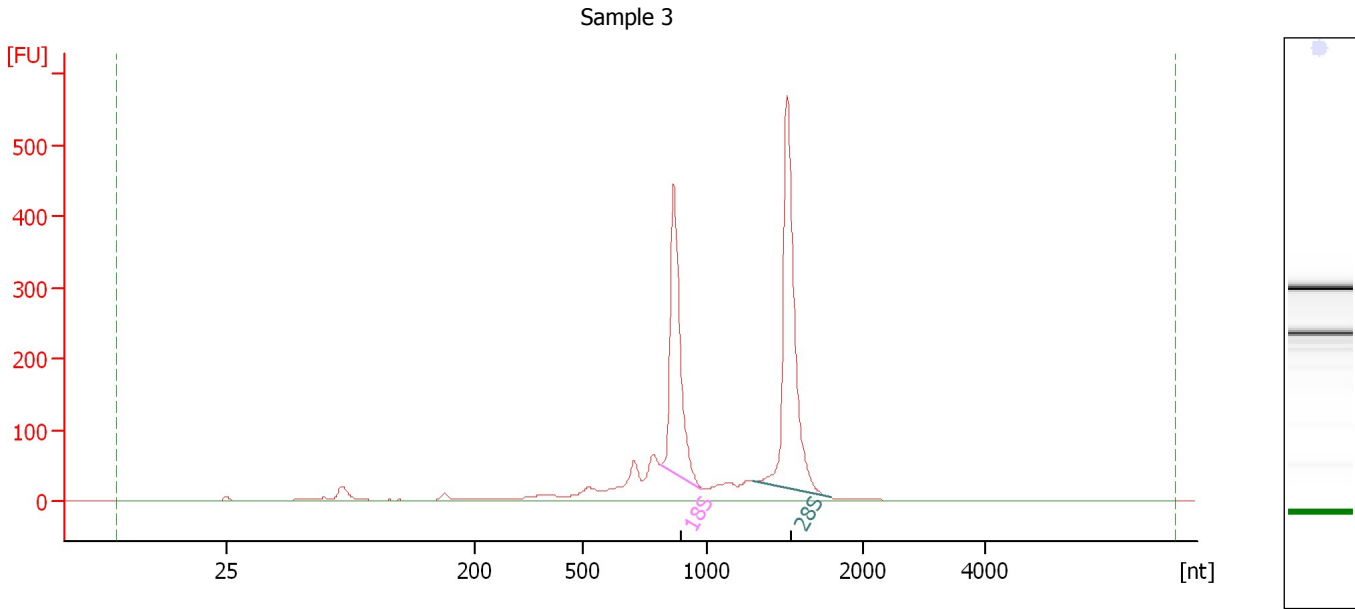
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	810	985	222.1	18.2
28S	1,211	1,815	373.2	30.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	1,943.4	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	2,475 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

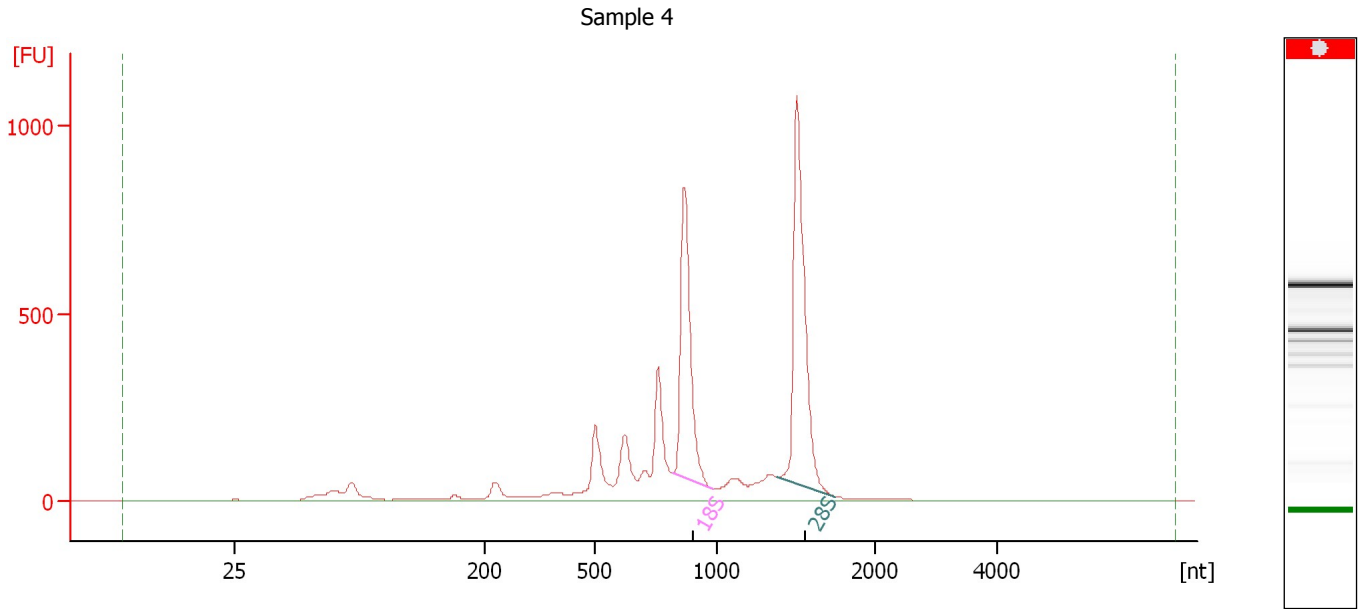
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	813	978	455.8	23.5
28S	1,300	1,790	640.2	32.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area: 4,470.6 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 5,693 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN N/A

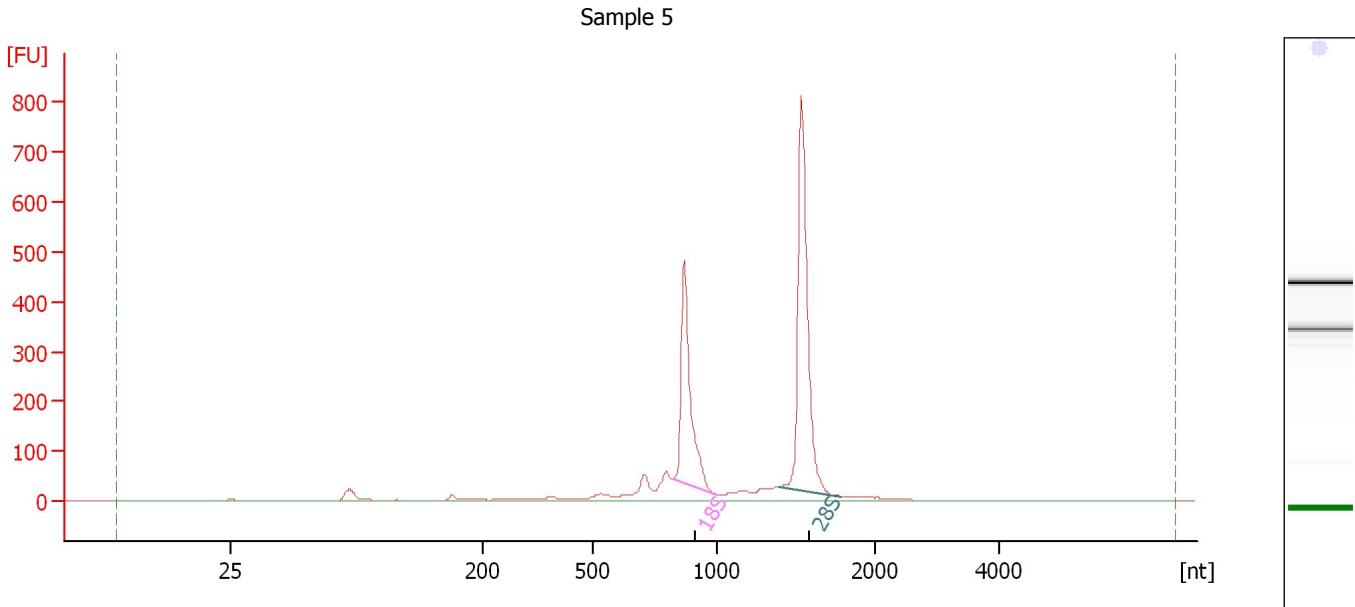
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	816	980	867.0	19.4
28S	1,381	1,745	1,186.4	26.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	1,992.4	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	2,537 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.20

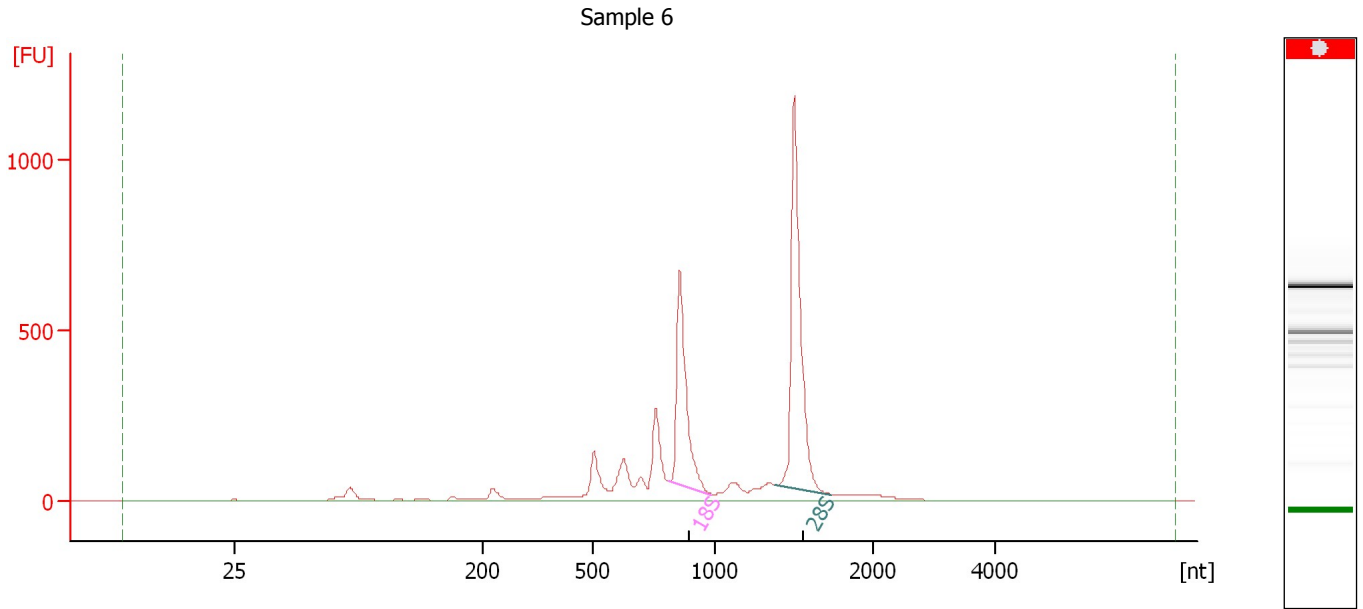
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	821	998	498.1	25.0
28S	1,387	1,778	759.6	38.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	3,590.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,572 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

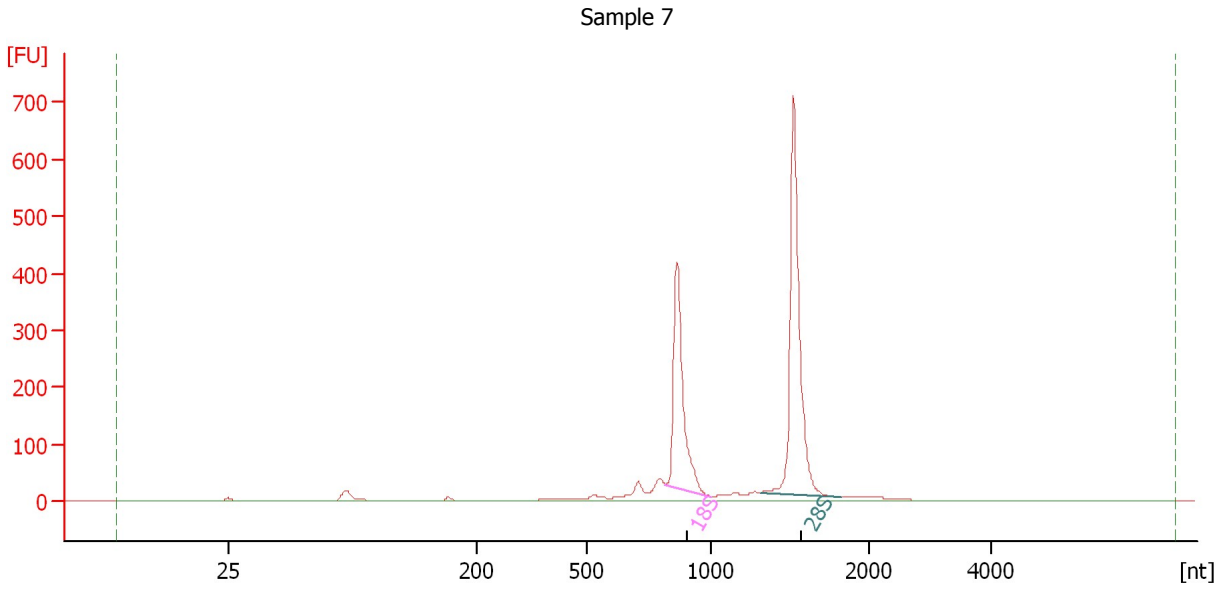
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	811	984	693.1	19.3
28S	1,374	1,740	1,126.4	31.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	1,592.7	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	2,028 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.60

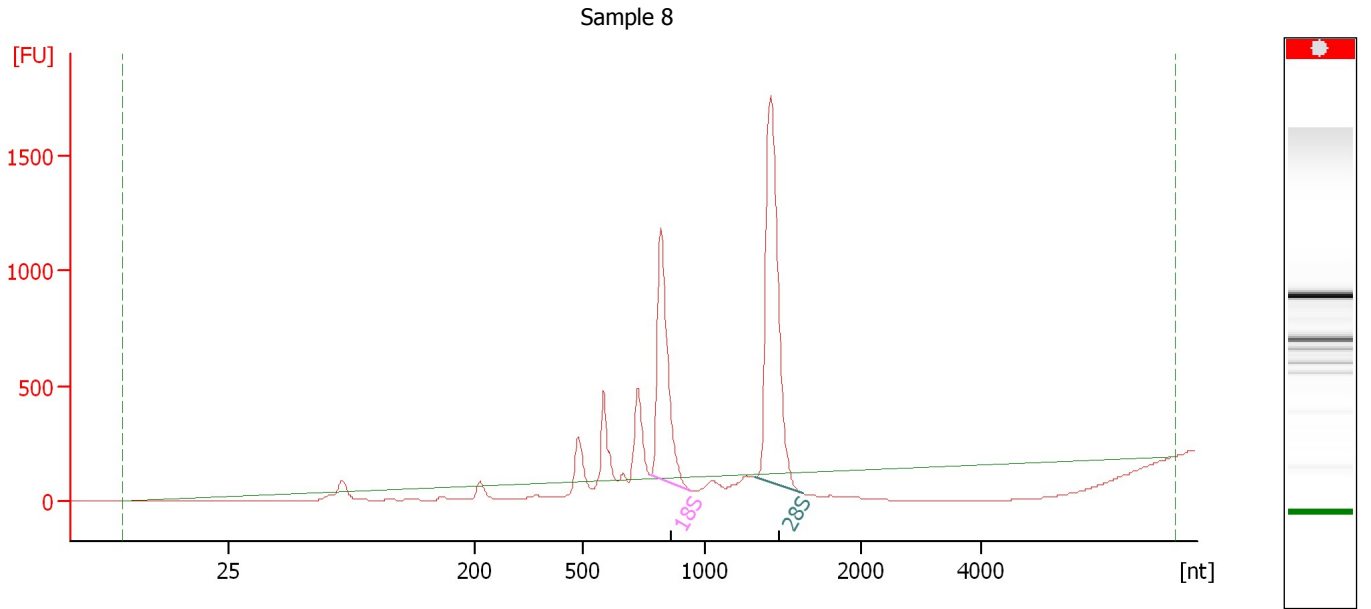
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	815	996	423.0	26.6
28S	1,313	1,822	690.5	43.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
 Modified: 6/16/2014 2:56:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	4,313.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,493 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

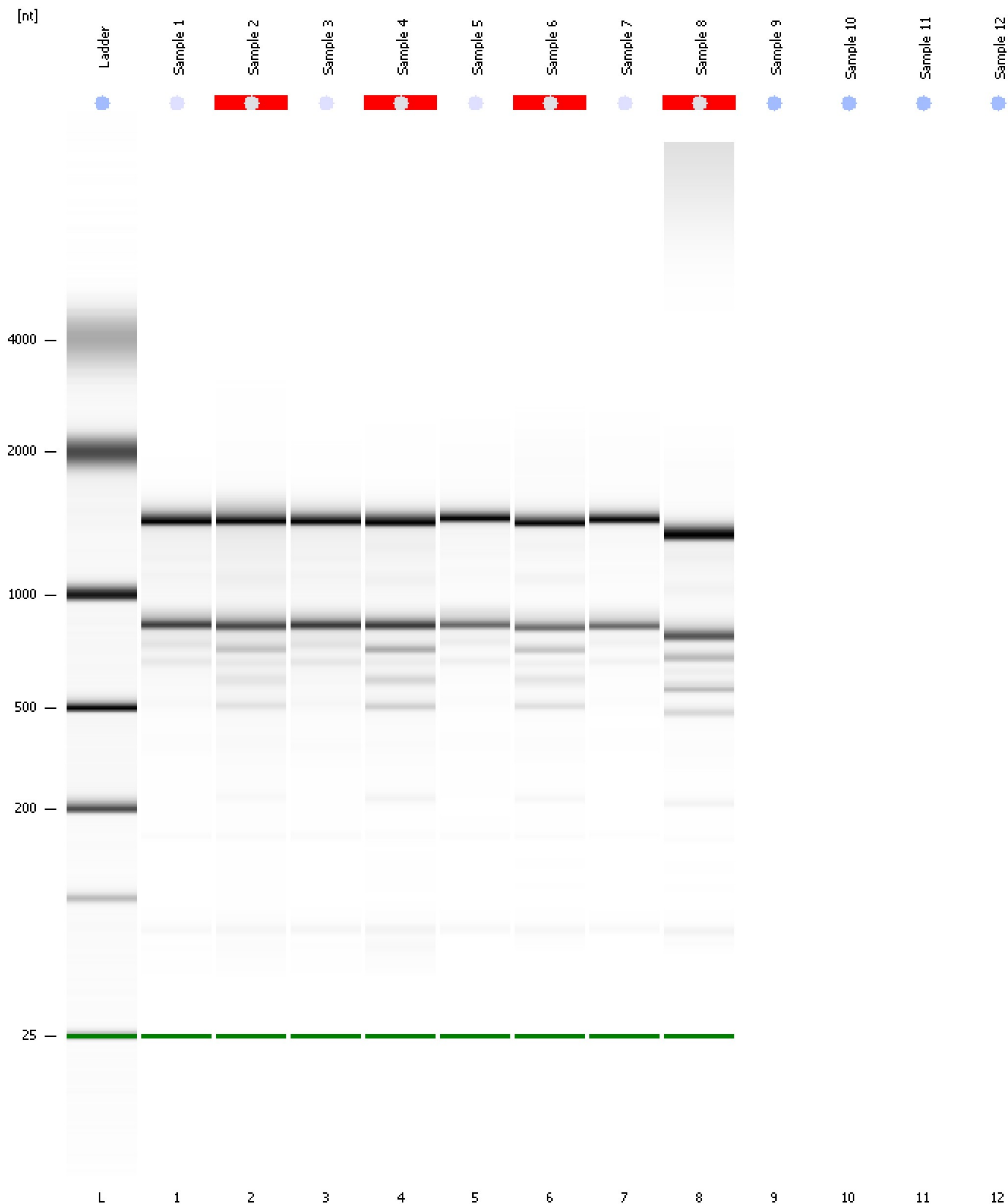
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	777	943	1,380.2	32.0
28S	1,320	1,628	2,240.5	51.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-16\2014-06-16_002.xad

Created: 6/16/2014 2:38:02 PM
Modified: 6/16/2014 2:56:27 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.