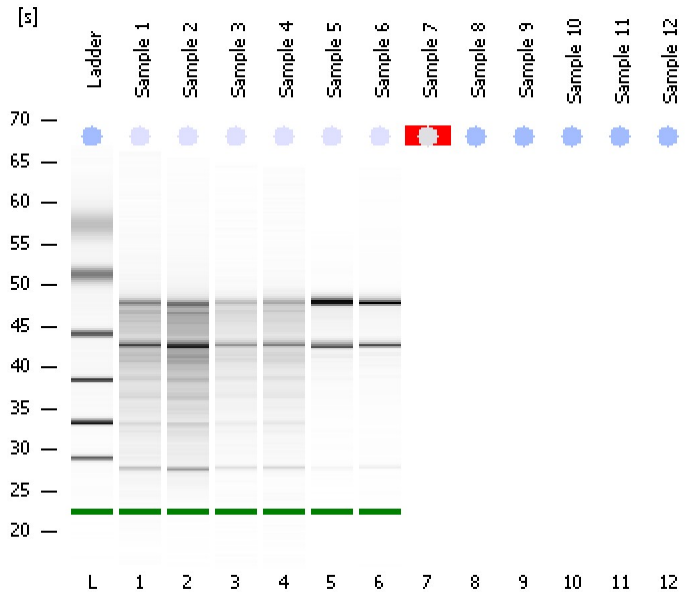


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electrophoresis File Run Summary



Instrument Information:

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

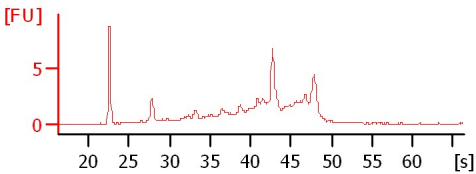
Assay Information:

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)
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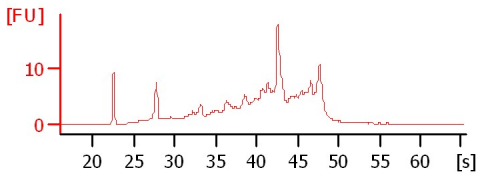
Chip Information:

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

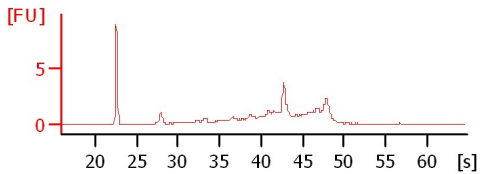
Sample 1
RIN: 5.90



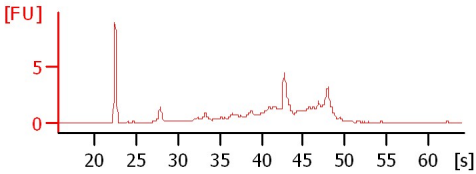
Sample 2
RIN: 5.10



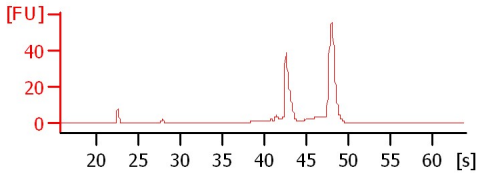
Sample 3
RIN: 6.20



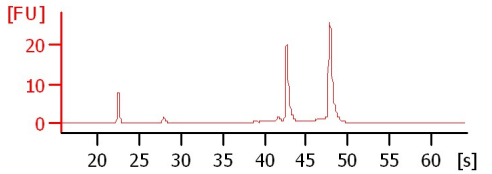
Sample 4
RIN: 6.10



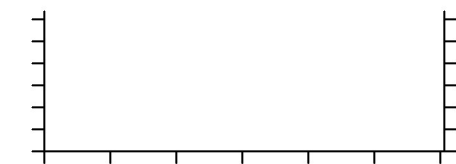
Sample 5
RIN: 9.50



Sample 6
RIN: 9.40



Sample 7
RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 5.90	
Sample 2		✓	RIN: 5.10	
Sample 3		✓	RIN: 6.20	
Sample 4		✓	RIN: 6.10	
Sample 5		✓	RIN: 9.50	
Sample 6		✓	RIN: 9.40	
Sample 7		✗	RIN N/A	
Sample 8		✗		
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\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 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

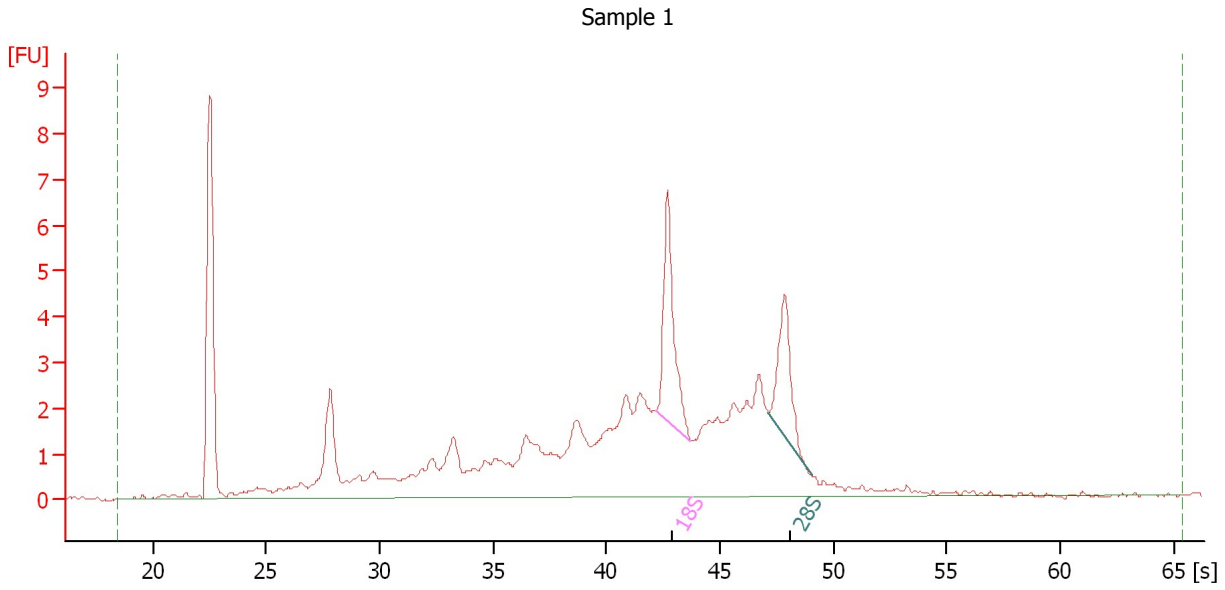
Ladder

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\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
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Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	80.0	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 5.90

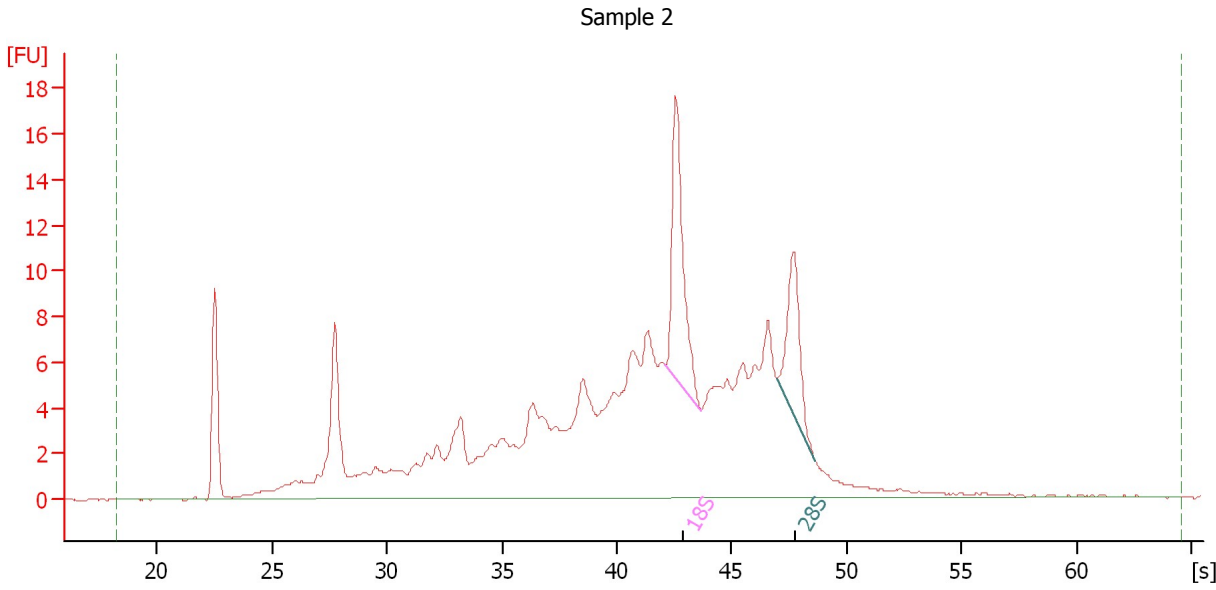
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,926	5.9	7.4
28S	2,833	3,361	4.0	5.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	232.8	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	167 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.10

Fragment table for sample 2 : Sample 2

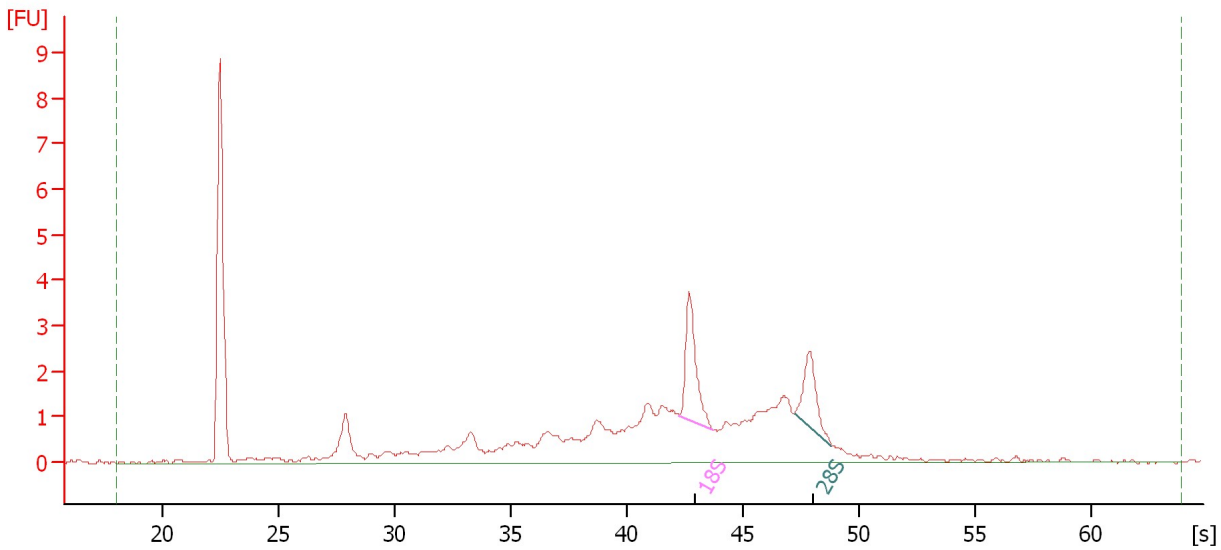
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,920	15.6	6.7
28S	2,800	3,256	9.0	3.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

RNA Area:	43.4	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.20

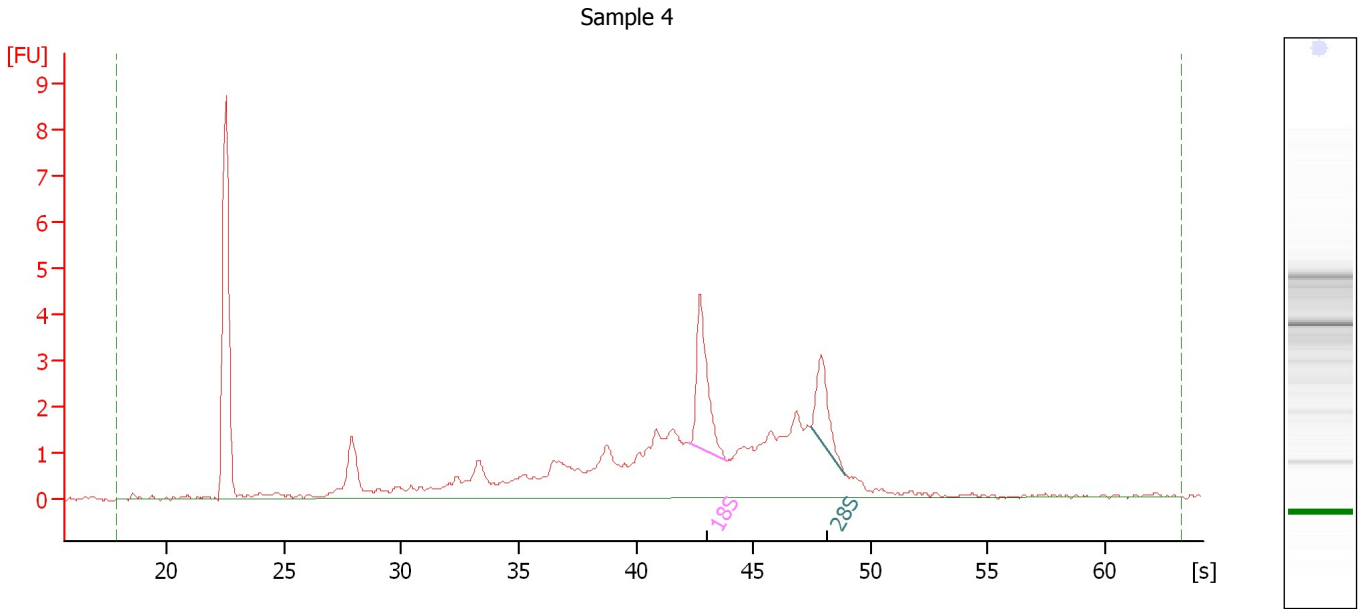
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,923	3.2	7.4
28S	2,858	3,310	2.2	5.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
 Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	51.9	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.10

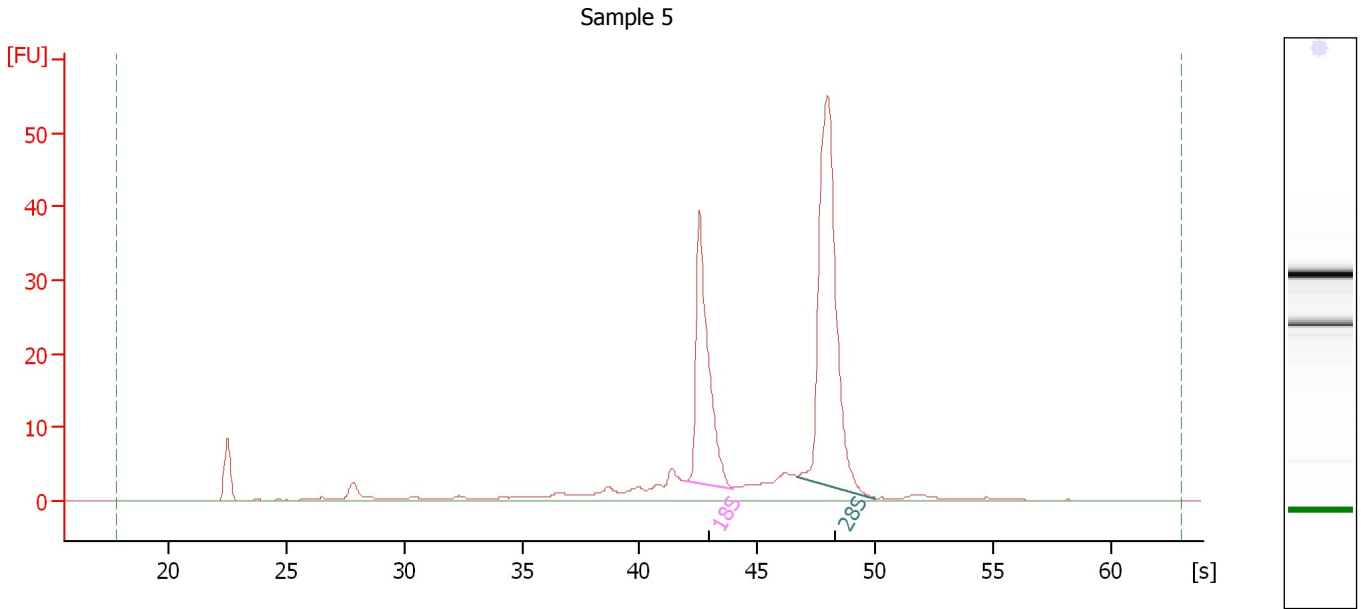
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,673	1,949	4.2	8.0
28S	2,916	3,337	2.3	4.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	229.0	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	165 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.50

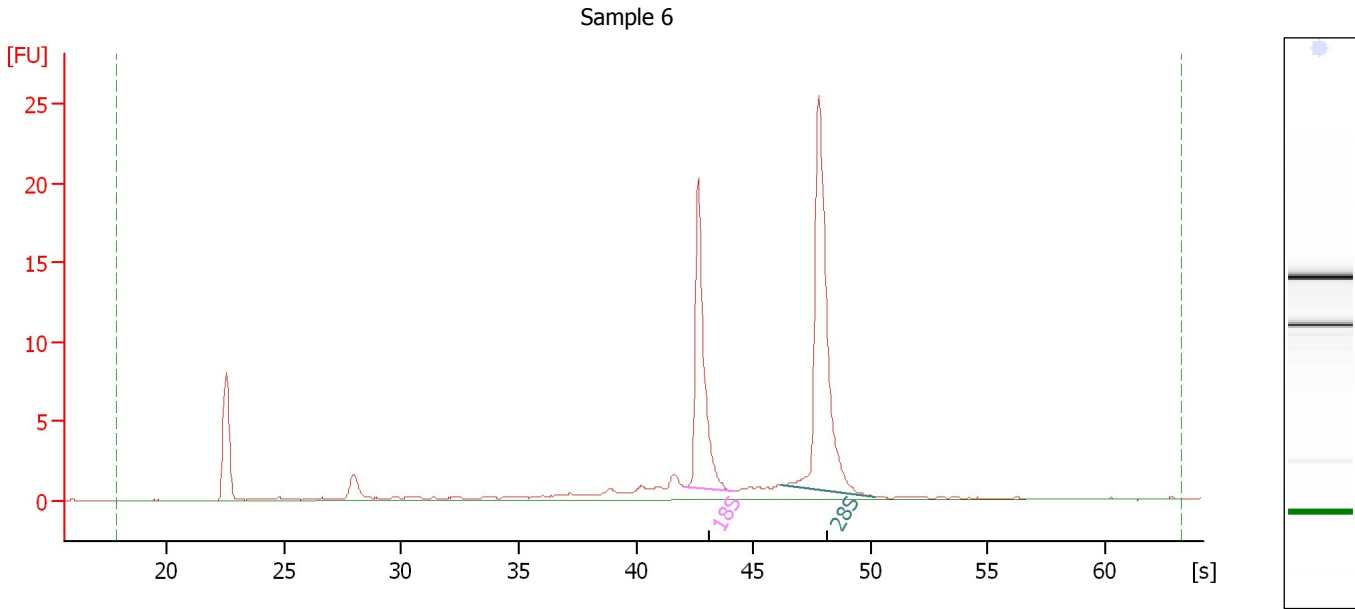
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,966	51.5	22.5
28S	2,710	3,638	91.0	39.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area: 78.9 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 57 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.40

Fragment table for sample 6 : Sample 6

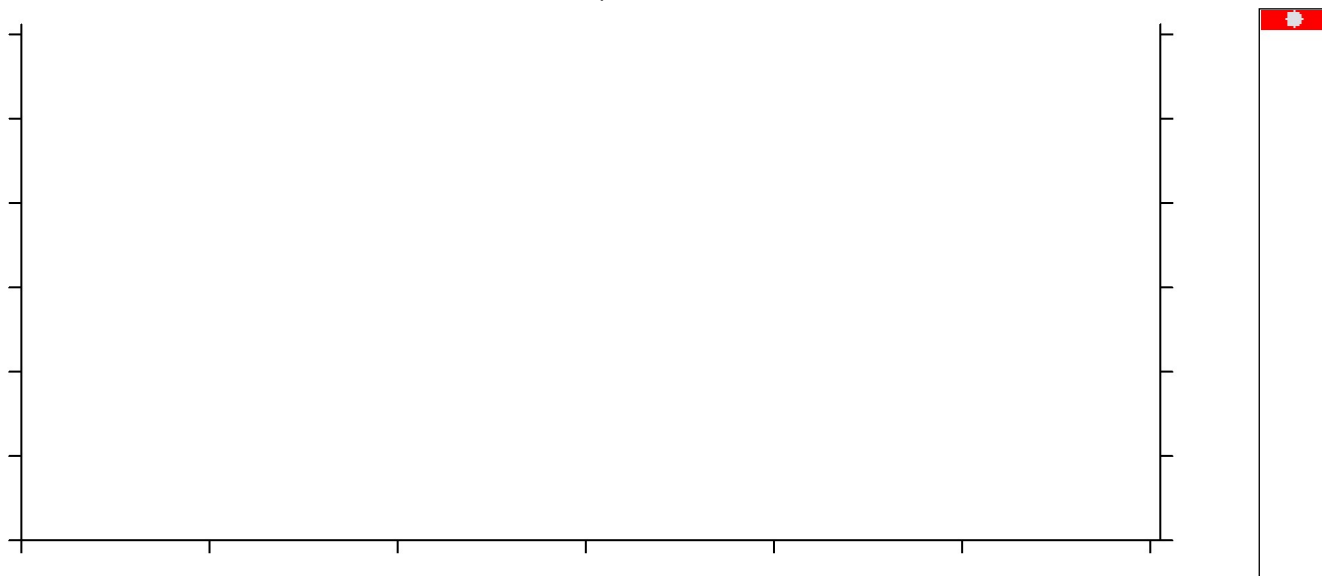
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	2,010	19.5	24.8
28S	2,559	3,682	30.8	39.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Electropherogram Summary Continued ...

Sample 7




Setpoint Deviations for sample 7 : Sample 7

End Analysis Time Range [s] : 13.3

Overall Results for sample 7 : Sample 7

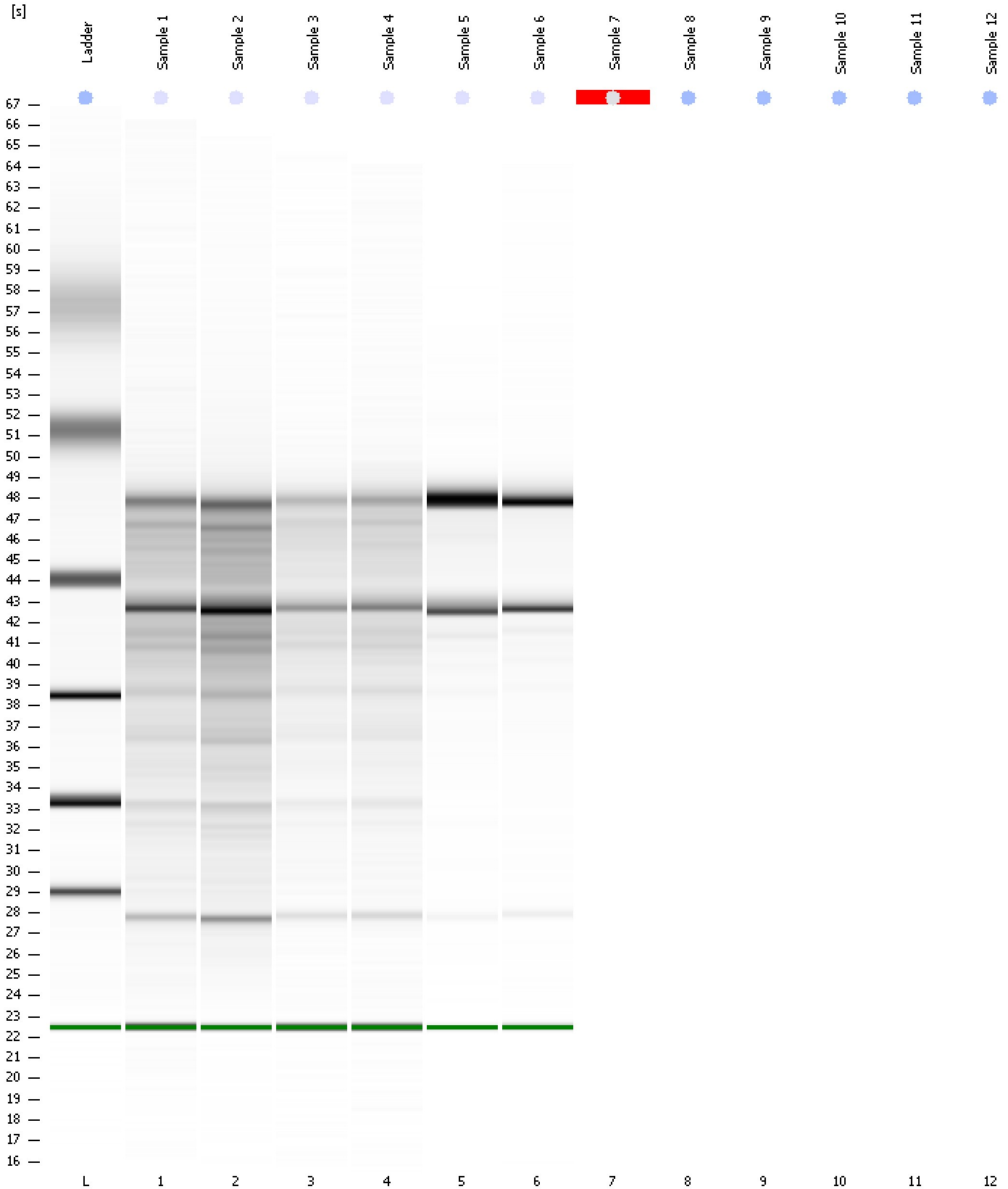
RNA Concentration: 0 ng/μl
rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color: 
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-19\2014-06-19_003.xad

Created: 6/19/2014 1:37:09 PM
Modified: 6/19/2014 1:53:27 PM

Invalid Samples

Sample 8 has not been run, no results available.

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.