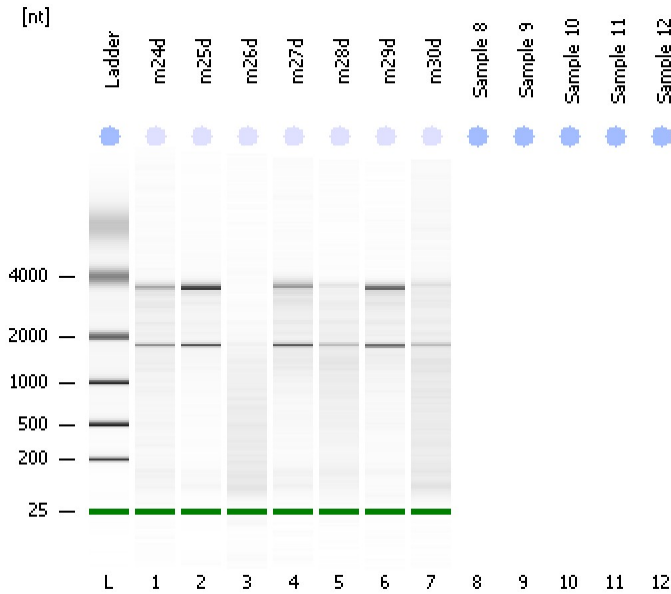


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 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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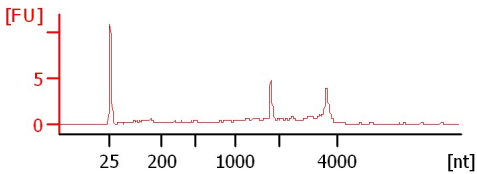
Chip Information:

Chip Lot #:

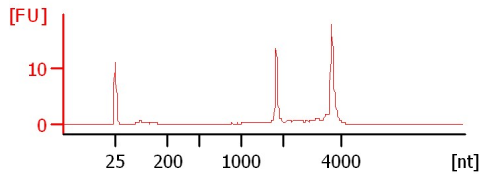
Reagent Kit Lot #:

Chip Comments:

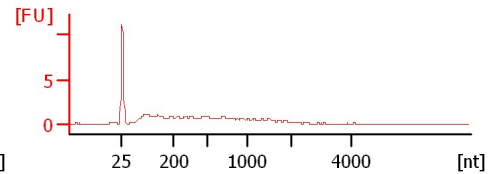
m24d
QC_017: Total RNA
RIN: 7.20



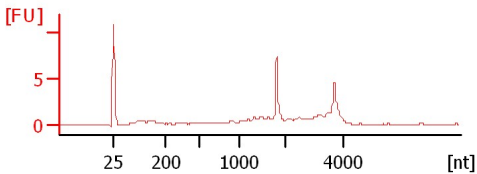
m25d
QC_017: Total RNA
RIN: 9



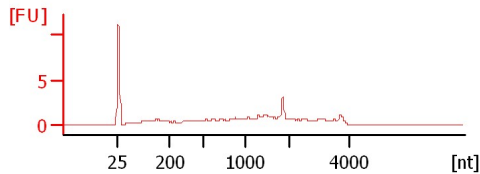
m26d
QC_017: Total RNA
RIN: 1.10



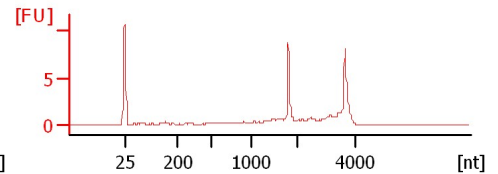
m27d
QC_017: Total RNA
RIN: 7.60



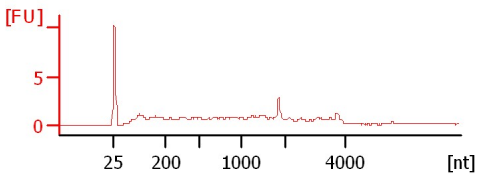
m28d
QC_017: Total RNA
RIN: 5.30



m29d
QC_017: Total RNA
RIN: 7.90



m30d
QC_017: Total RNA
RIN: 5.60



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
 Modified: 5/26/2015 4:21:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
m24d	QC_017: Total RNA	✓	RIN: 7.20	
m25d	QC_017: Total RNA	✓	RIN:9	
m26d	QC_017: Total RNA	✓	RIN: 1.10	
m27d	QC_017: Total RNA	✓	RIN: 7.60	
m28d	QC_017: Total RNA	✓	RIN: 5.30	
m29d	QC_017: Total RNA	✓	RIN: 7.90	
m30d	QC_017: Total RNA	✓	RIN: 5.60	
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:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 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

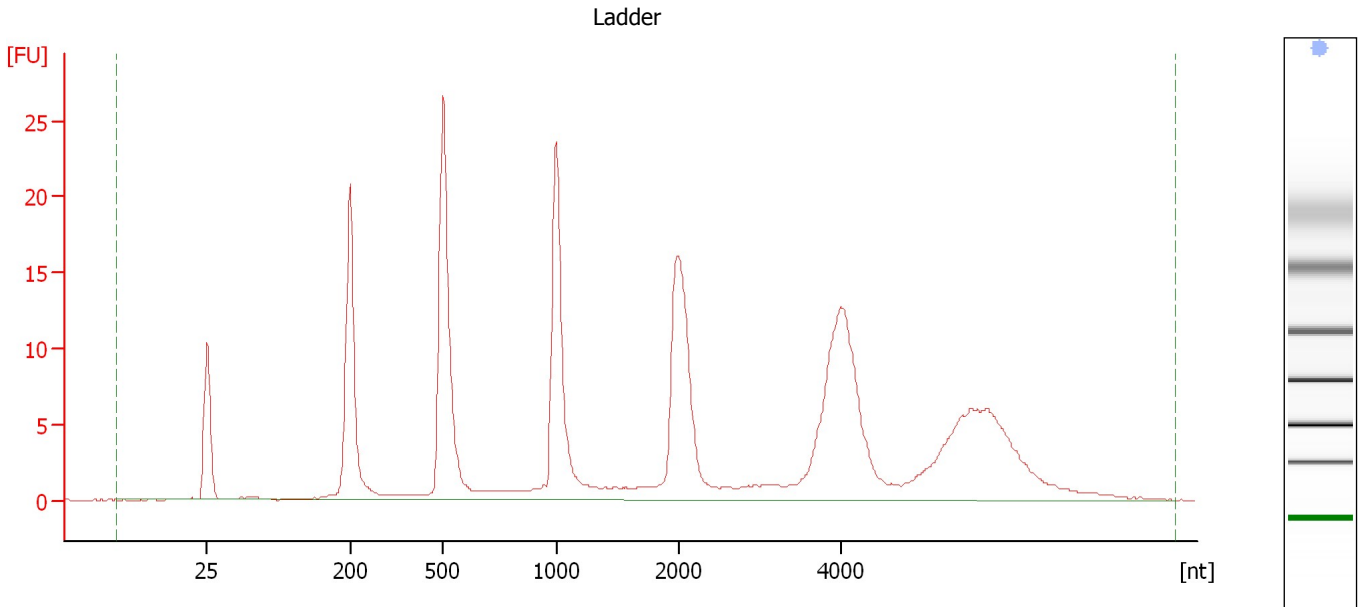
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary



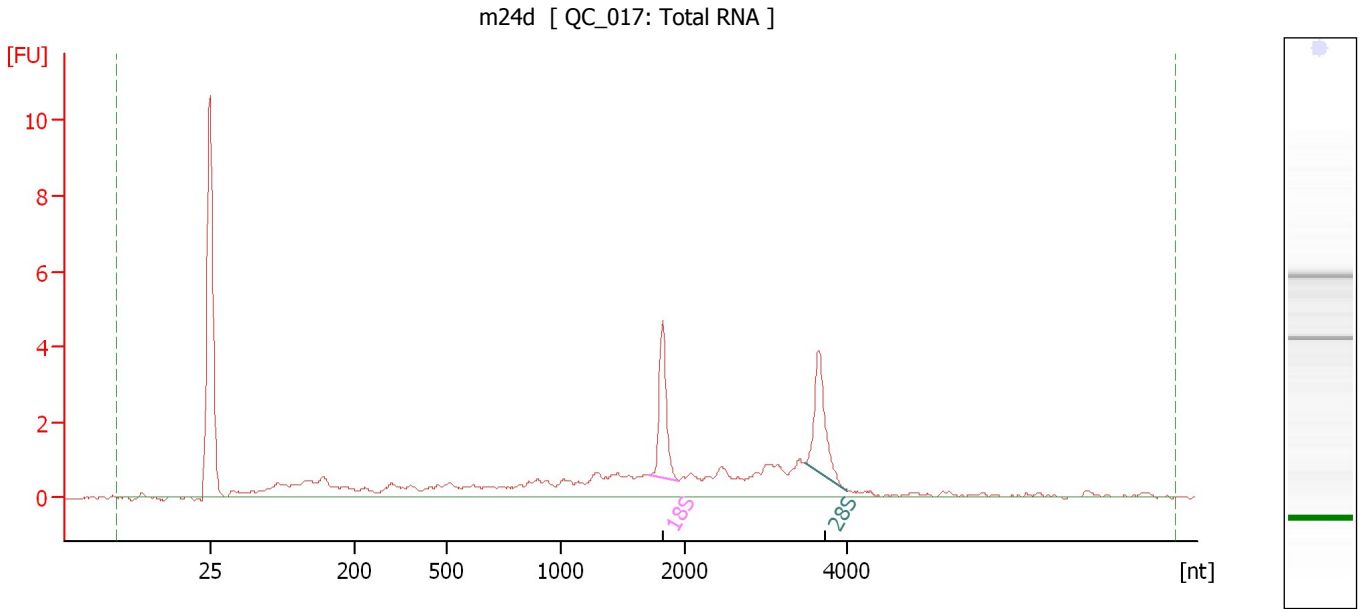
Overall Results for Ladder

RNA Area:	253.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : m24d

RNA Area:	39.6	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.20

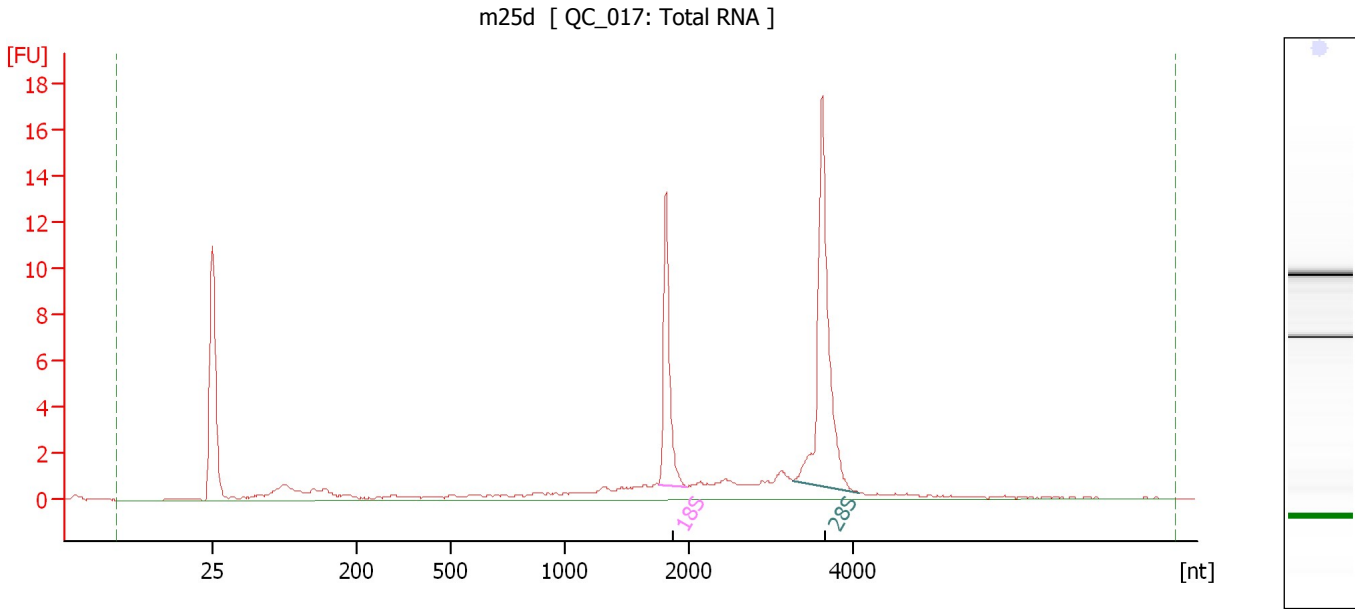
Fragment table for sample 1 : m24d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,714	1,949	3.4	8.5
28S	3,480	4,003	3.5	8.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : m25d

RNA Area:	56.7	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	34 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:9

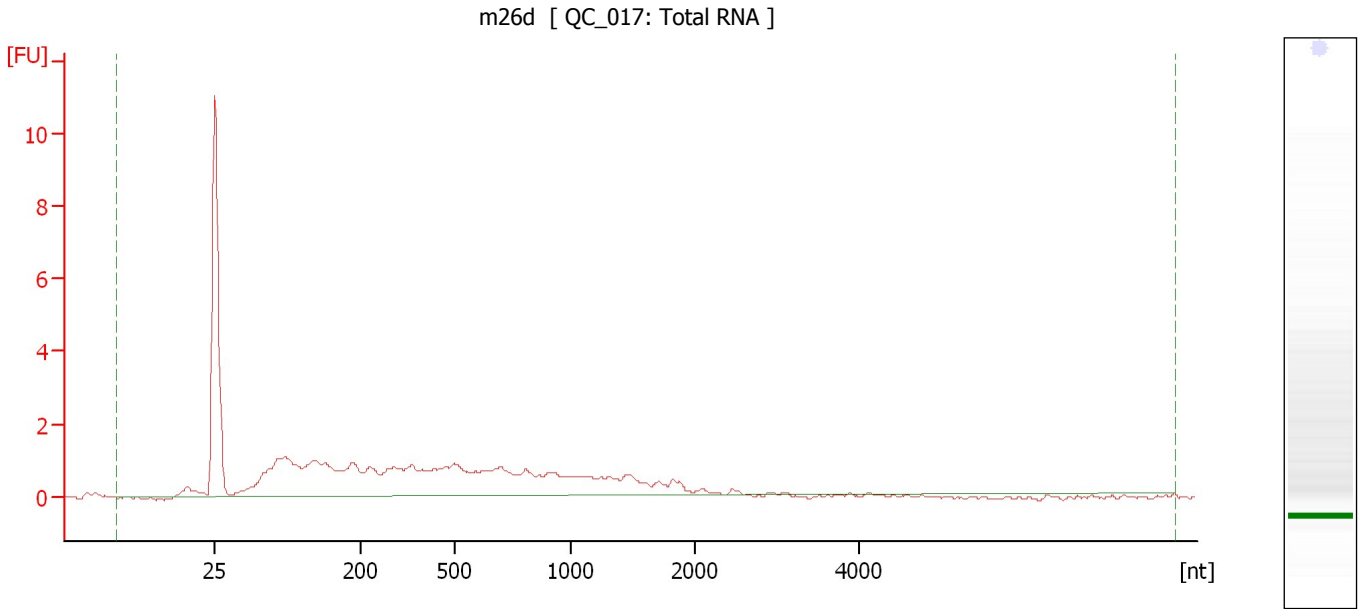
Fragment table for sample 2 : m25d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	1,985	9.5	16.7
28S	3,267	4,087	17.9	31.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



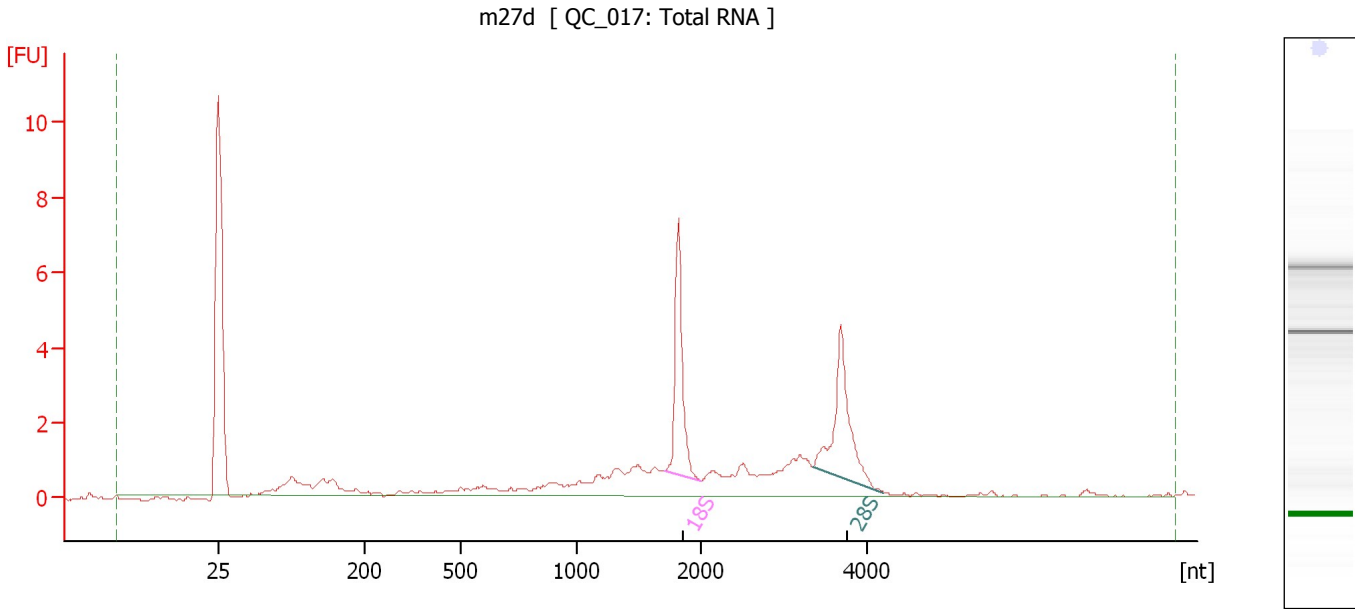
Overall Results for sample 3 : m26d

RNA Area:	41.9	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	25 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : m27d

RNA Area:	37.8	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

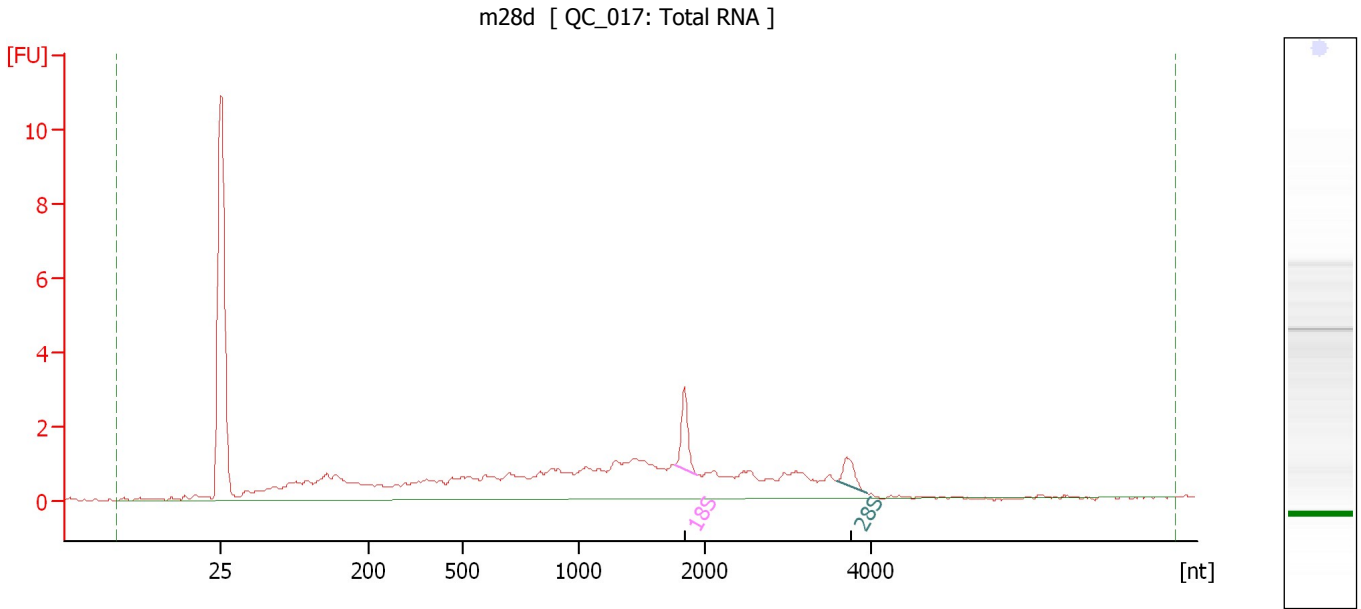
Fragment table for sample 4 : m27d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	1,997	5.5	14.6
28S	3,360	4,195	5.9	15.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : m28d

RNA Area: 48.9 RNA Integrity Number (RIN): 5.3 (B.02.08)
RNA Concentration: 29 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 5.30

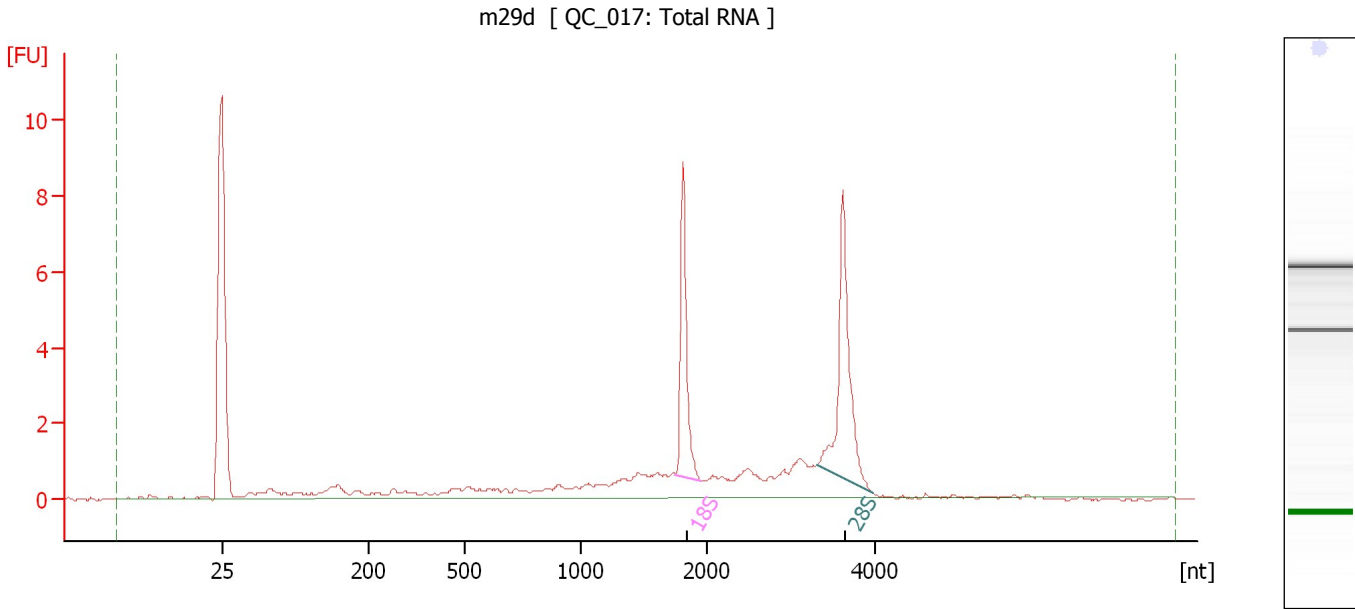
Fragment table for sample 5 : m28d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,768	1,930	1.8	3.6
28S	3,574	3,932	0.9	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : m29d

RNA Area:	40.1	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

Fragment table for sample 6 : m29d

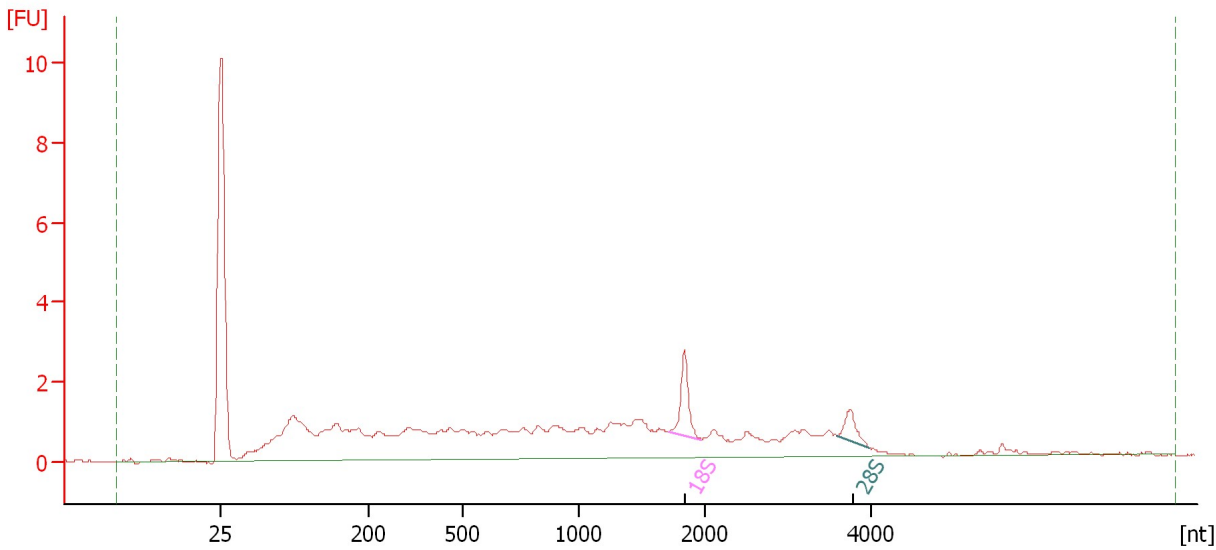
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,752	1,957	6.0	15.0
28S	3,328	3,980	8.1	20.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Electropherogram Summary Continued ...

m30d [QC_017: Total RNA]



Overall Results for sample 7 : m30d

RNA Area:	54.5	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 5.60

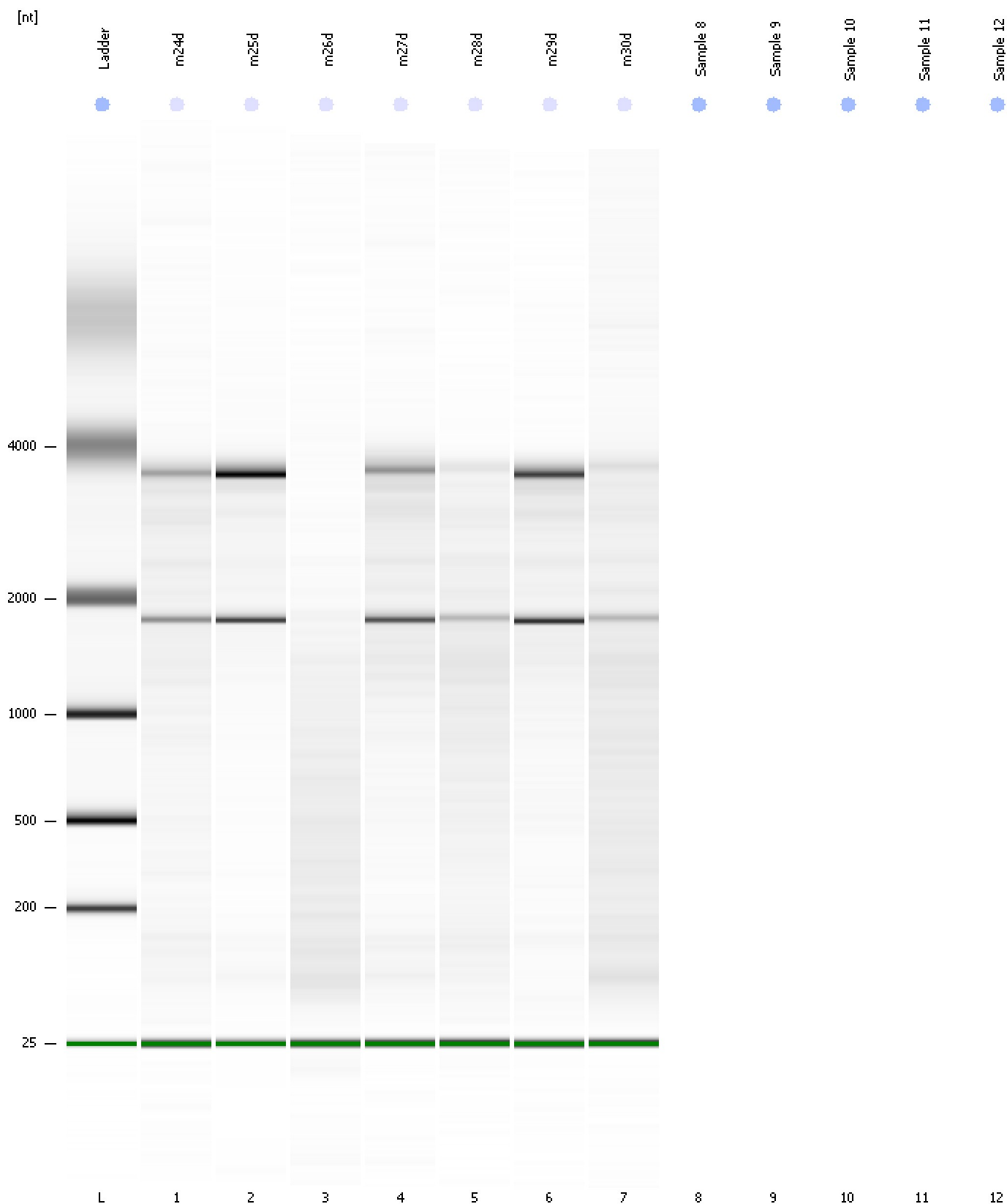
Fragment table for sample 7 : m30d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	1,973	2.0	3.7
28S	3,574	3,971	0.9	1.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-26\2015-05-26_003.xad

Created: 5/26/2015 3:53:38 PM
Modified: 5/26/2015 4:21:26 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.