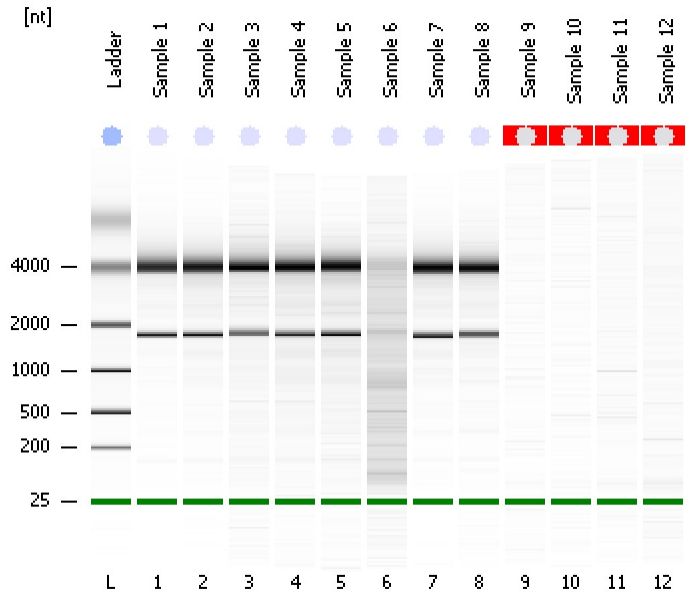


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electrophoresis File Run Summary



Instrument Information:

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

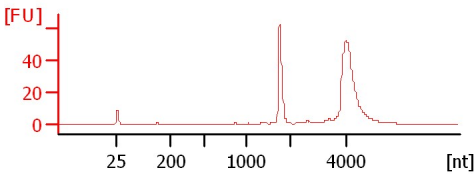
Assay Information:

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.

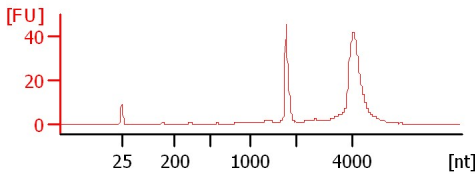
Chip Information:

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

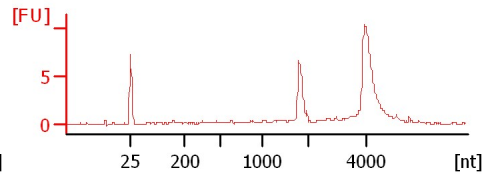
Sample 1
HAEC-M1
RIN: 9.90



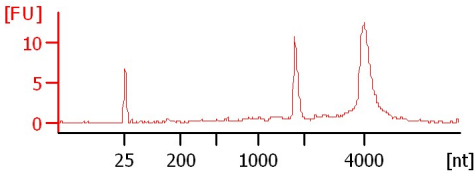
Sample 2
HAEC-TL1
RIN: 9.70



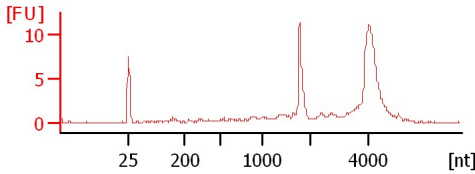
Sample 3
HBMVEC-M3
RIN: 9.60



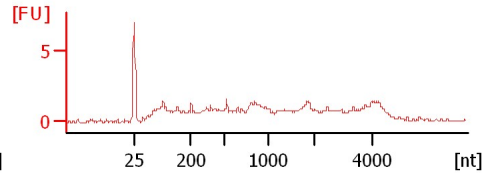
Sample 4
HBMVEC-T
RIN: 9.30



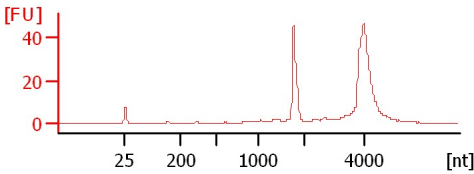
Sample 5
HBMVEC-TL
RIN: 8.90



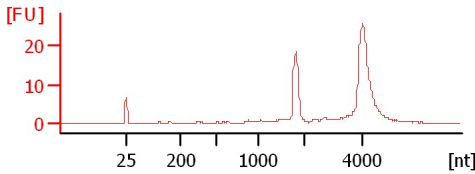
Sample 6
Mono-M
RIN: 2.90



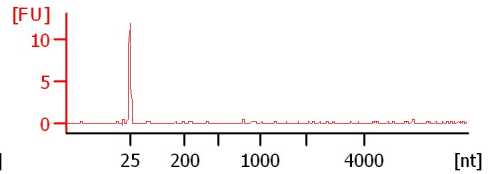
Sample 7
Mono-T
RIN: 9.70



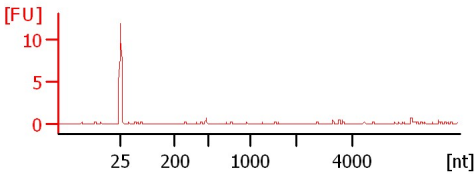
Sample 8
Mono-TL
RIN: 9.90



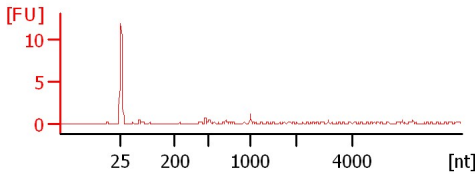
Sample 9
RIN N/A



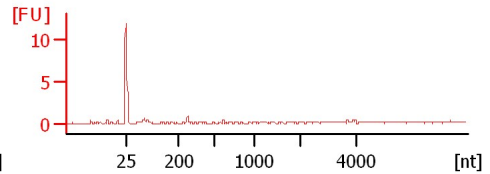
Sample 10
RIN N/A



Sample 11
RIN N/A



Sample 12
RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	HAEC-M1	✓	RIN: 9.90	
Sample 2	HAEC-TL1	✓	RIN: 9.70	
Sample 3	HBMVEC-M3	✓	RIN: 9.60	
Sample 4	HBMVEC-T	✓	RIN: 9.30	
Sample 5	HBMVEC-TL	✓	RIN: 8.90	
Sample 6	Mono-M	✓	RIN: 2.90	
Sample 7	Mono-T	✓	RIN: 9.70	
Sample 8	Mono-TL	✓	RIN: 9.90	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 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

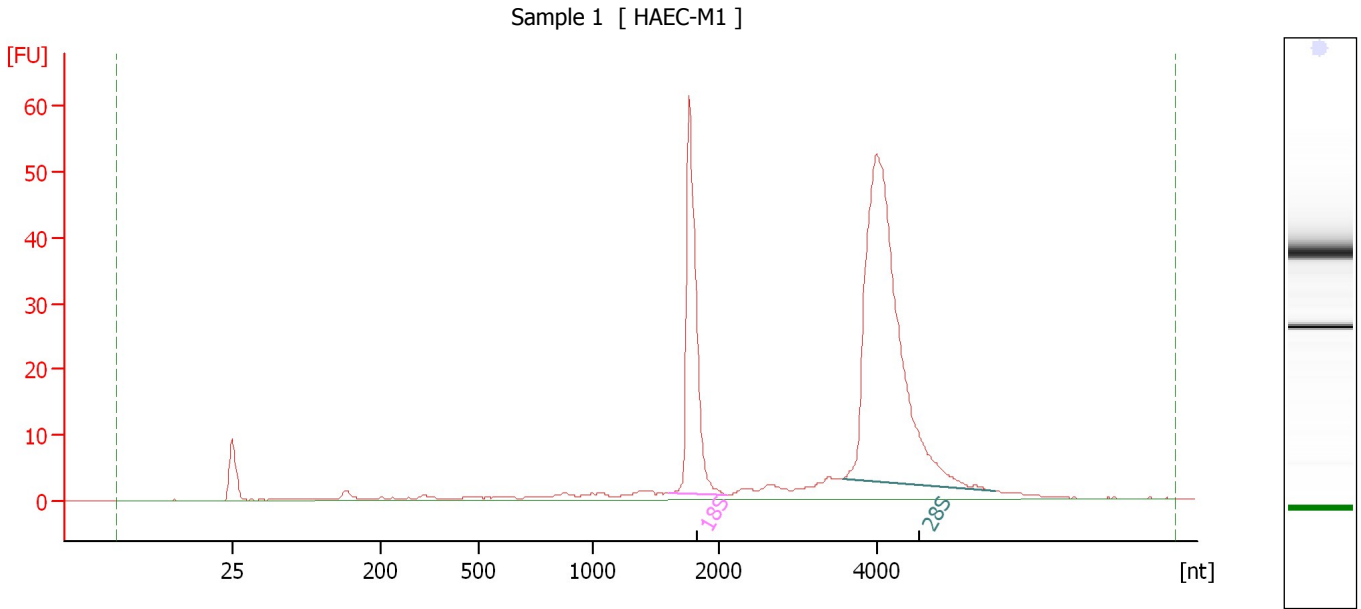
Ladder

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\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
 Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	314.4	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	205 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 9.90

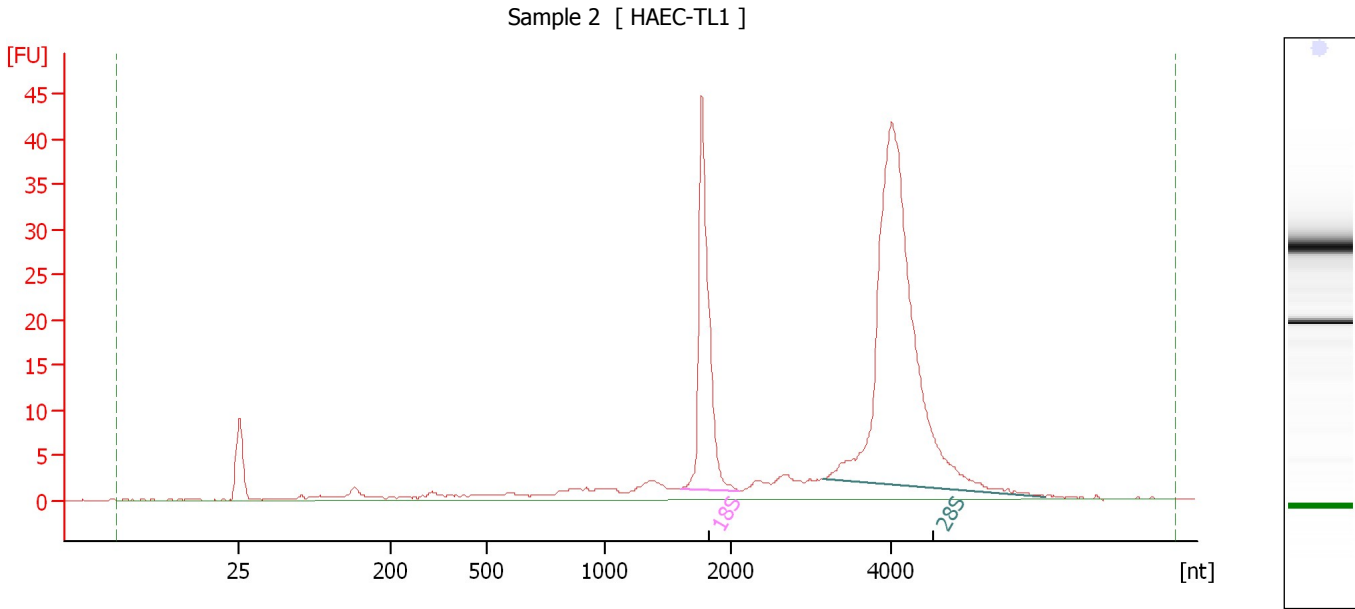
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	2,101	66.5	21.1
28S	3,576	5,485	161.9	51.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	270.9	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	177 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.70

Fragment table for sample 2 : Sample 2

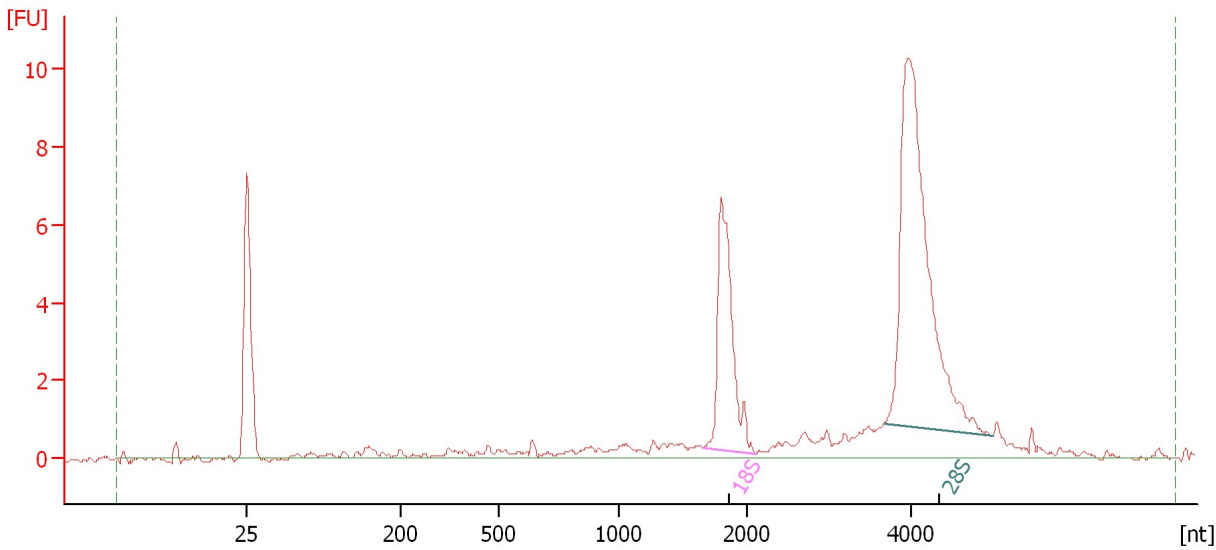
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	2,107	49.2	18.2
28S	3,150	5,918	137.5	50.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 3 [HBMVEC-M3]



Overall Results for sample 3 : Sample 3

RNA Area:	59.2	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 9.60

Fragment table for sample 3 : Sample 3

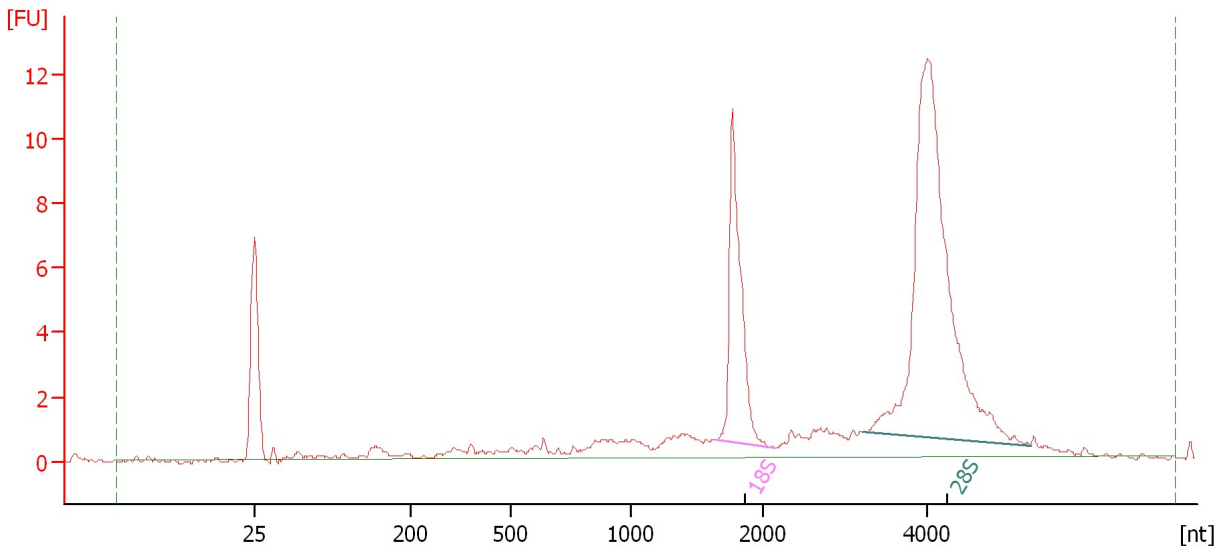
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	2,088	10.5	17.8
28S	3,694	5,010	24.5	41.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
 Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 4 [HBMVEC-T]



Overall Results for sample 4 : Sample 4

RNA Area:	80.6	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	53 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.30

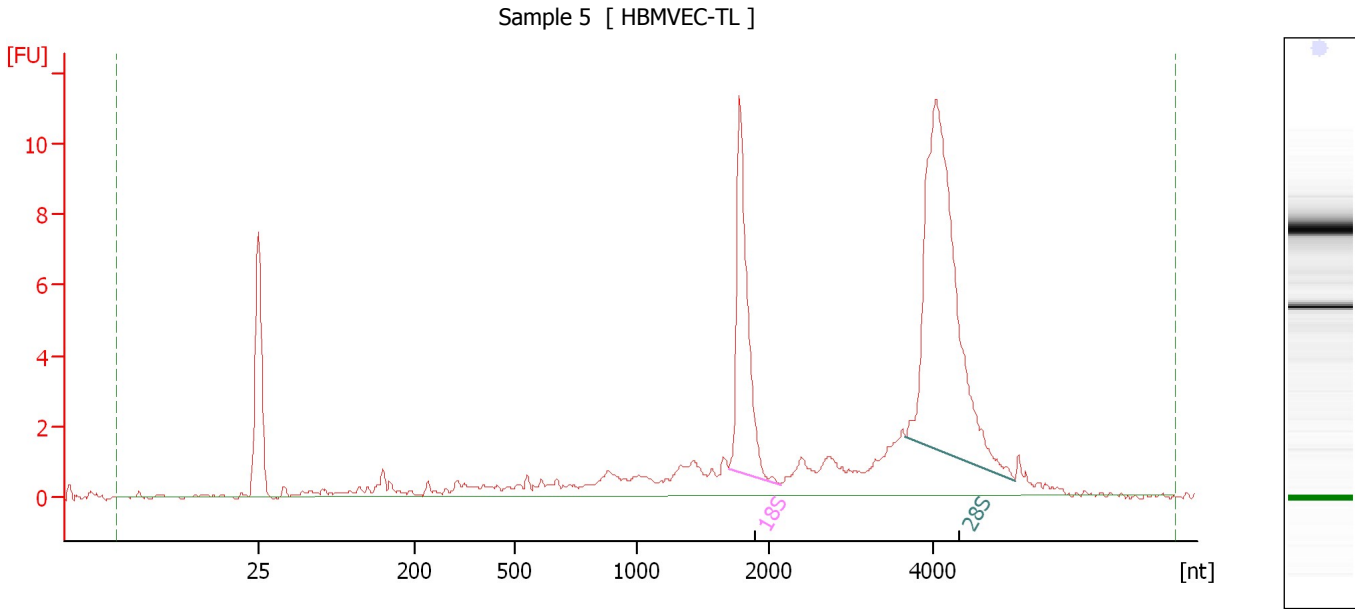
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	2,159	13.1	16.3
28S	3,237	5,263	36.9	45.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	83.5	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.90

Fragment table for sample 5 : Sample 5

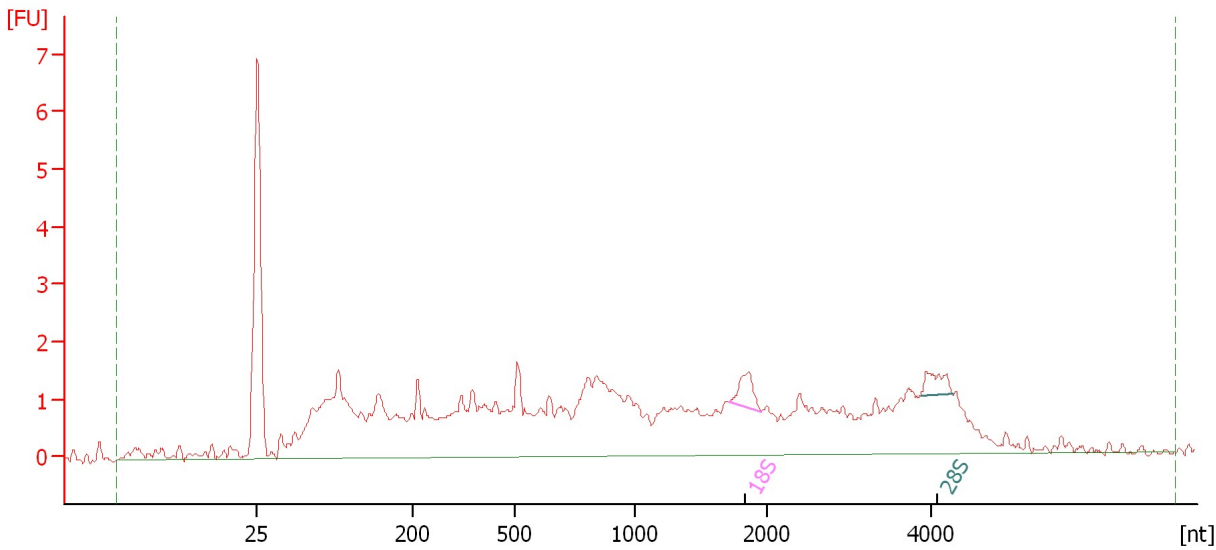
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,149	12.0	14.4
28S	3,659	4,989	28.4	34.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
 Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 6 [Mono-M]



Overall Results for sample 6 : Sample 6

RNA Area:	72.7	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 2.90

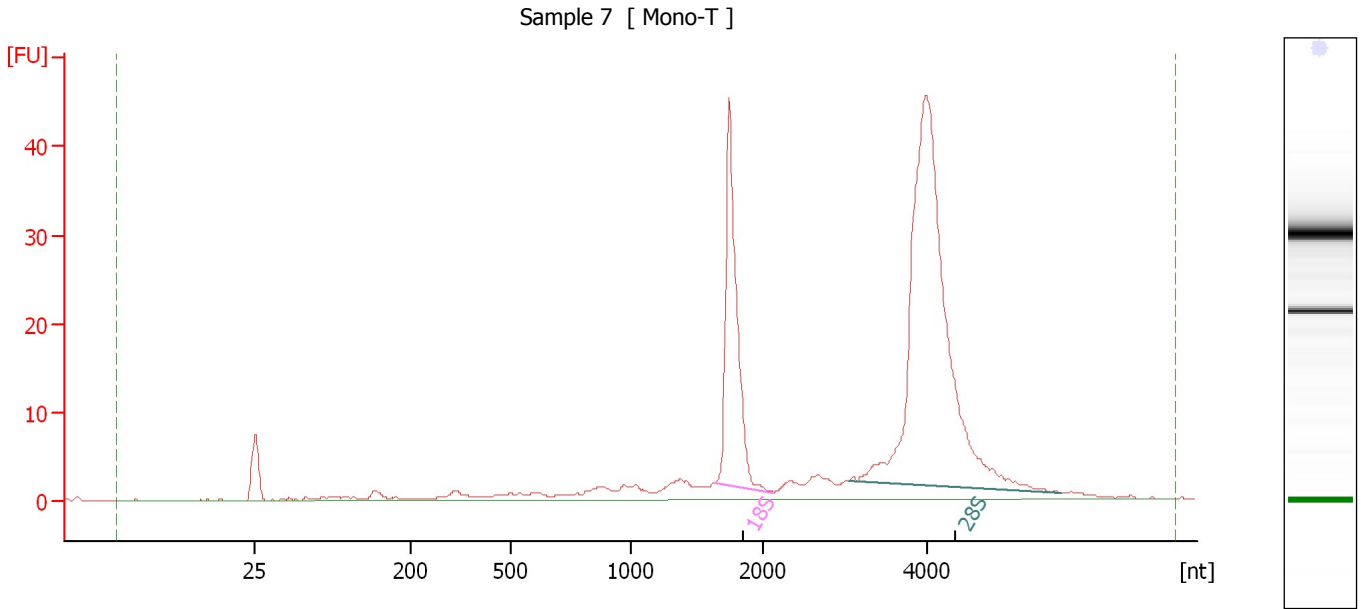
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,718	1,963	0.9	1.3
28S	3,868	4,257	0.7	0.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area: 282.7 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 185 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.8 Result Flagging Label: RIN: 9.70

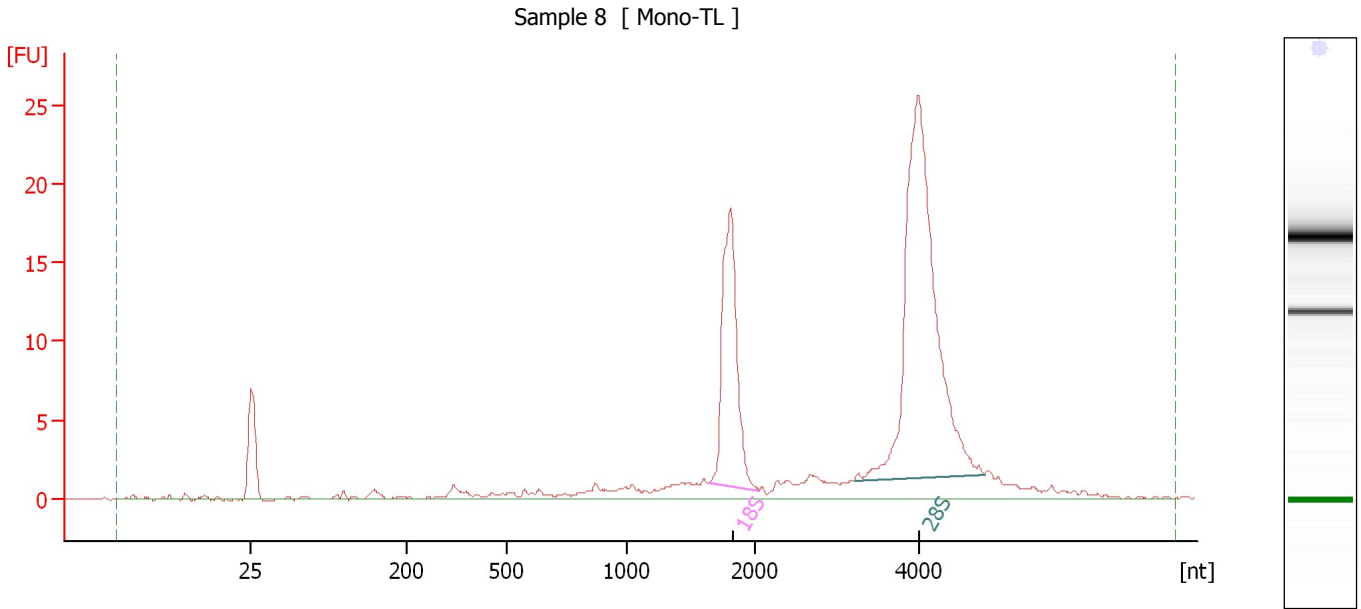
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	2,133	52.1	18.4
28S	3,068	5,627	143.4	50.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 144.8 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 95 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 9.90

Fragment table for sample 8 : Sample 8

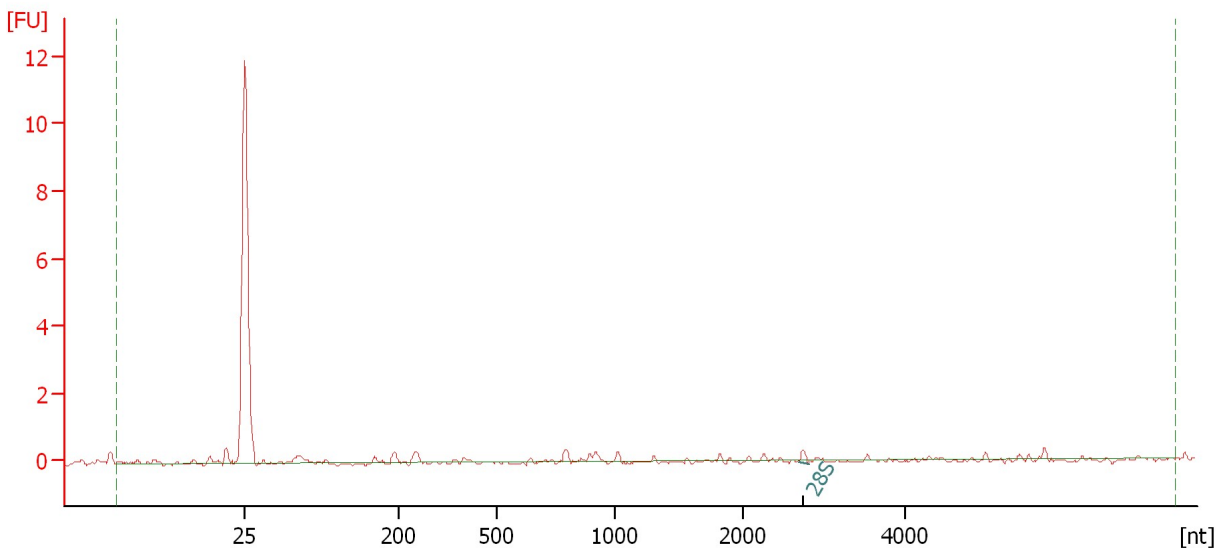
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,638	2,039	28.6	19.7
28S	3,202	4,795	67.6	46.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	5.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : Sample 9

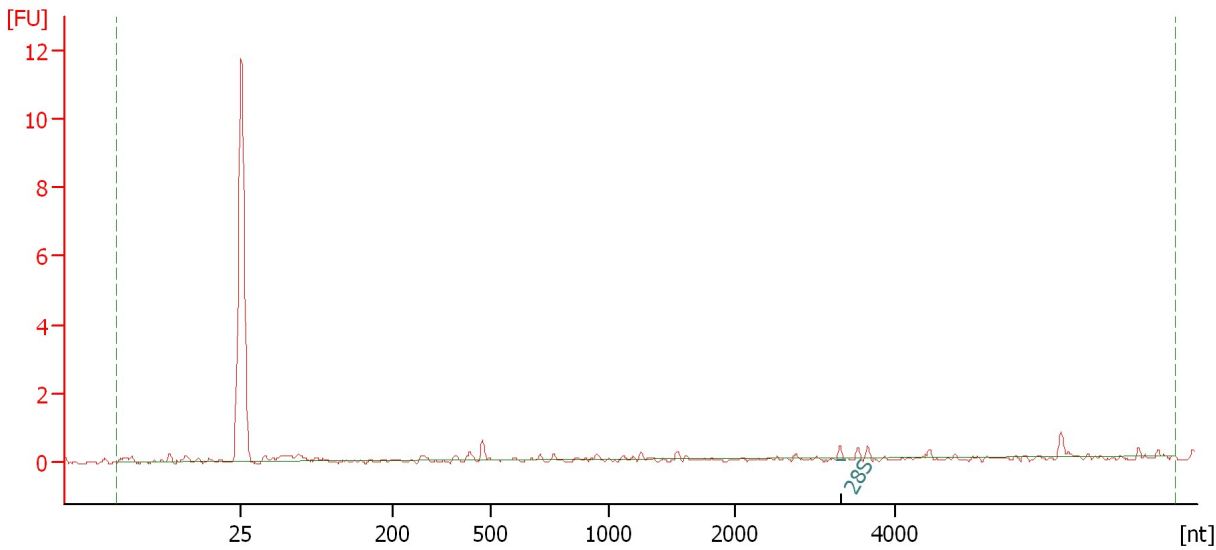
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,694	2,800	0.2	2.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

RNA Area:	5.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 10 : Sample 10

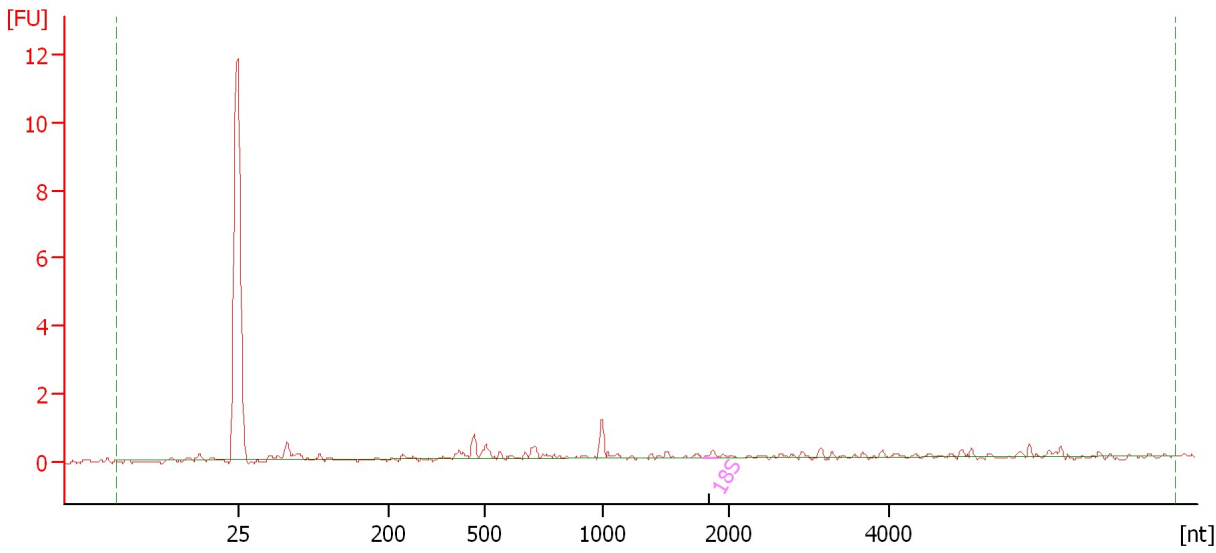
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,254	3,361	0.2	3.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	7.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : Sample 11

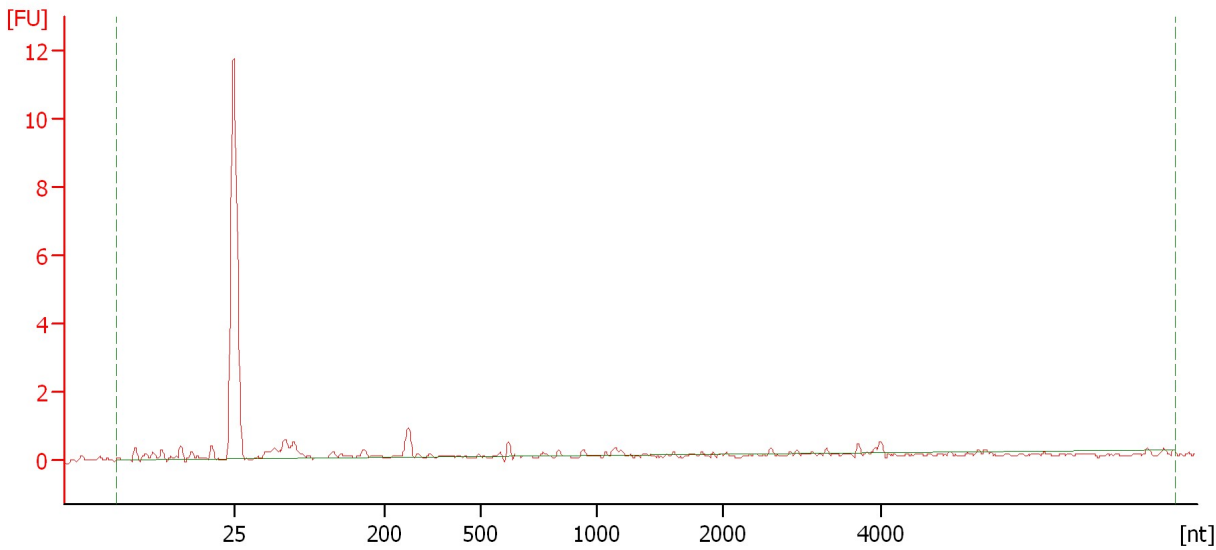
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,788	1,906	0.1	2.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Electropherogram Summary Continued ...

Sample 12



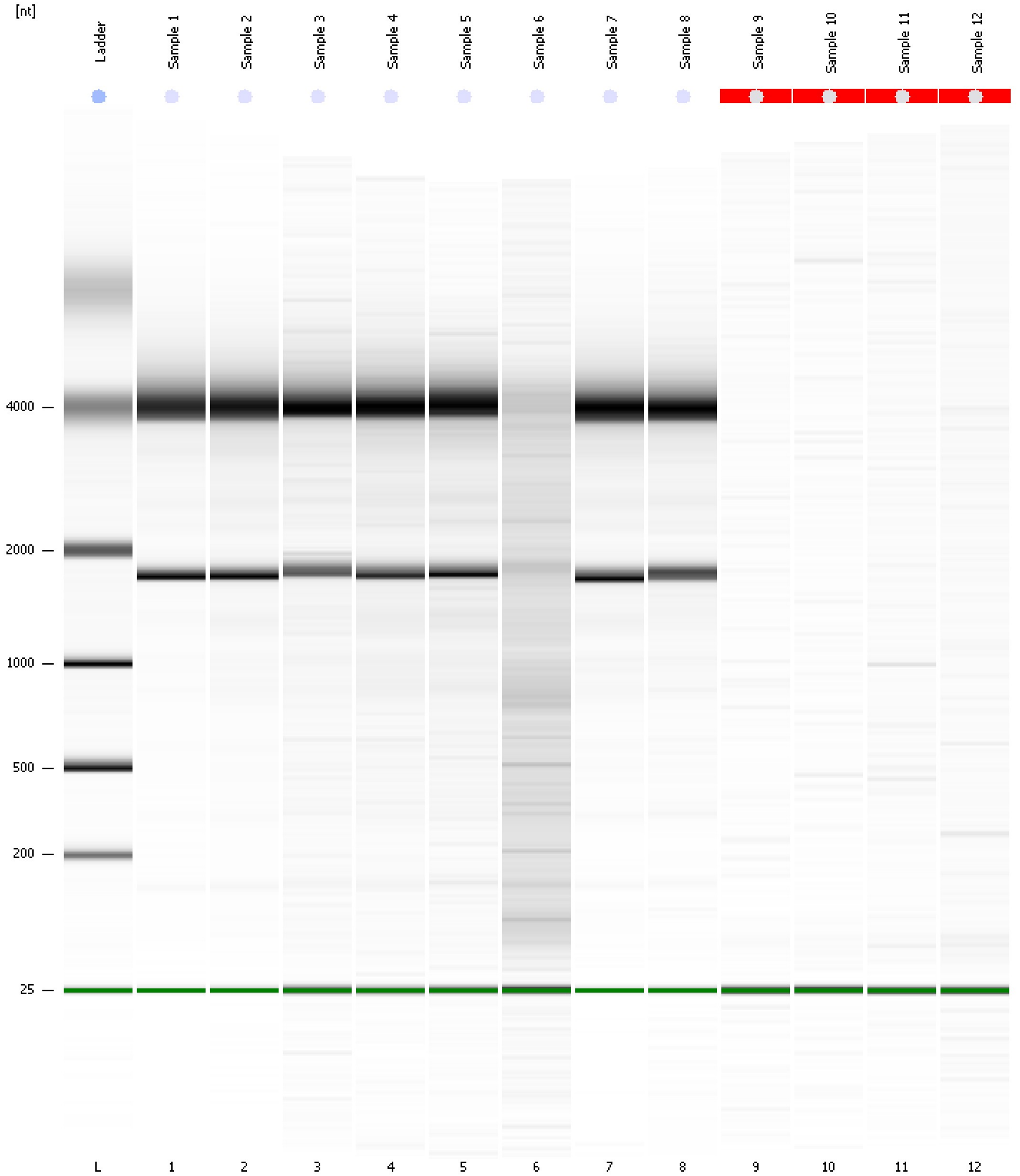
Overall Results for sample 12 : Sample 12

RNA Area:	6.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-01\2014-05-01_006.xad

Created: 5/1/2014 3:50:09 PM
Modified: 5/1/2014 4:13:58 PM

Curves

Standard Curve

