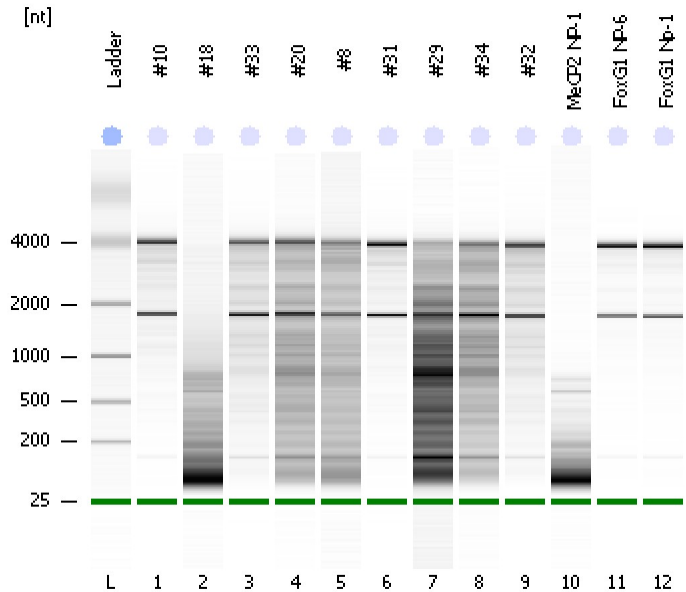


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electrophoresis File Run Summary



Instrument Information:

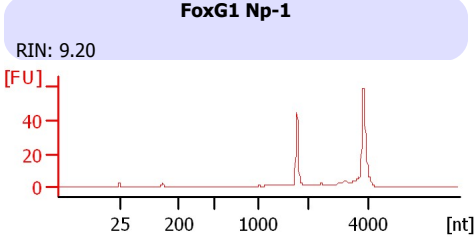
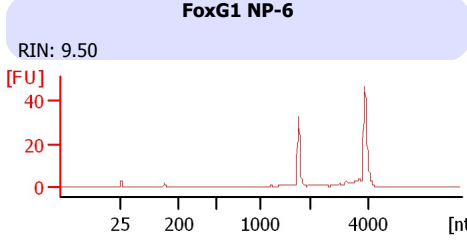
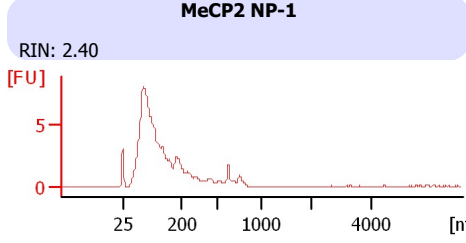
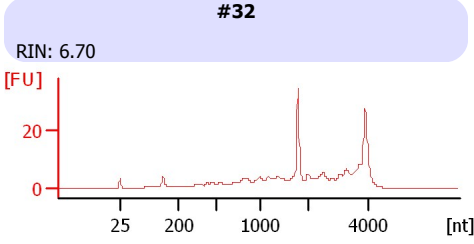
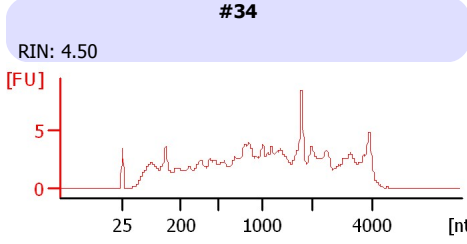
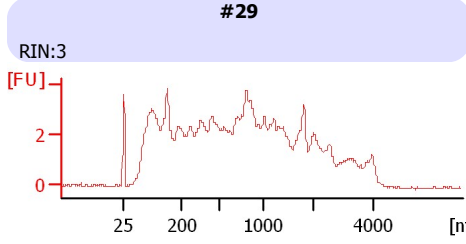
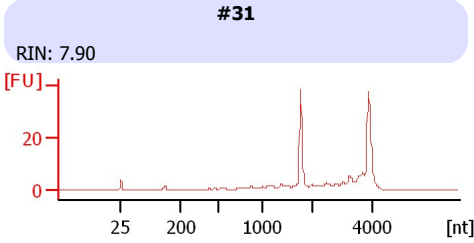
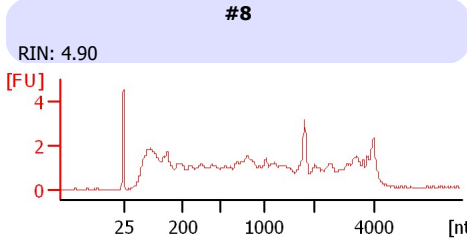
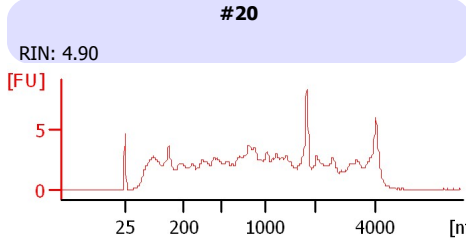
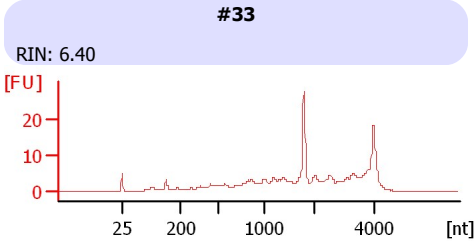
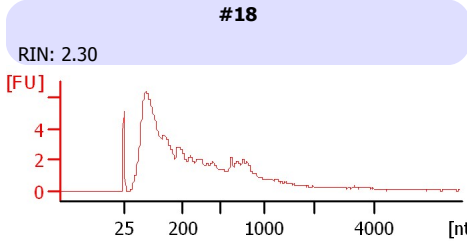
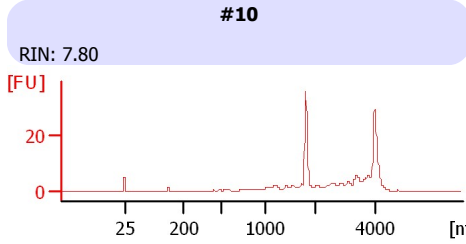
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
 Modified: 4/19/2012 4:01:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
#10		✓	RIN: 7.80	
#18		✓	RIN: 2.30	
#33		✓	RIN: 6.40	
#20		✓	RIN: 4.90	
#8		✓	RIN: 4.90	
#31		✓	RIN: 7.90	
#29		✓	RIN:3	
#34		✓	RIN: 4.50	
#32		✓	RIN: 6.70	
MeCP2 NP-1		✓	RIN: 2.40	
FoxG1 NP-6		✓	RIN: 9.50	
FoxG1 Np-1		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 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

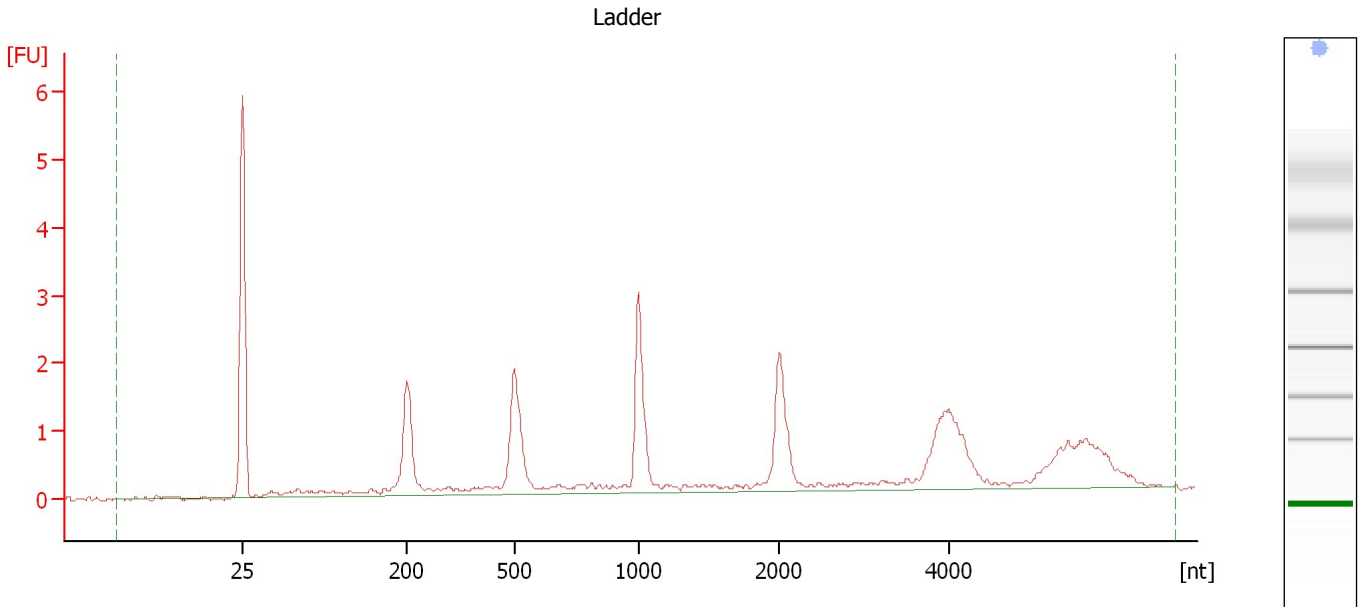
Ladder

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\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary



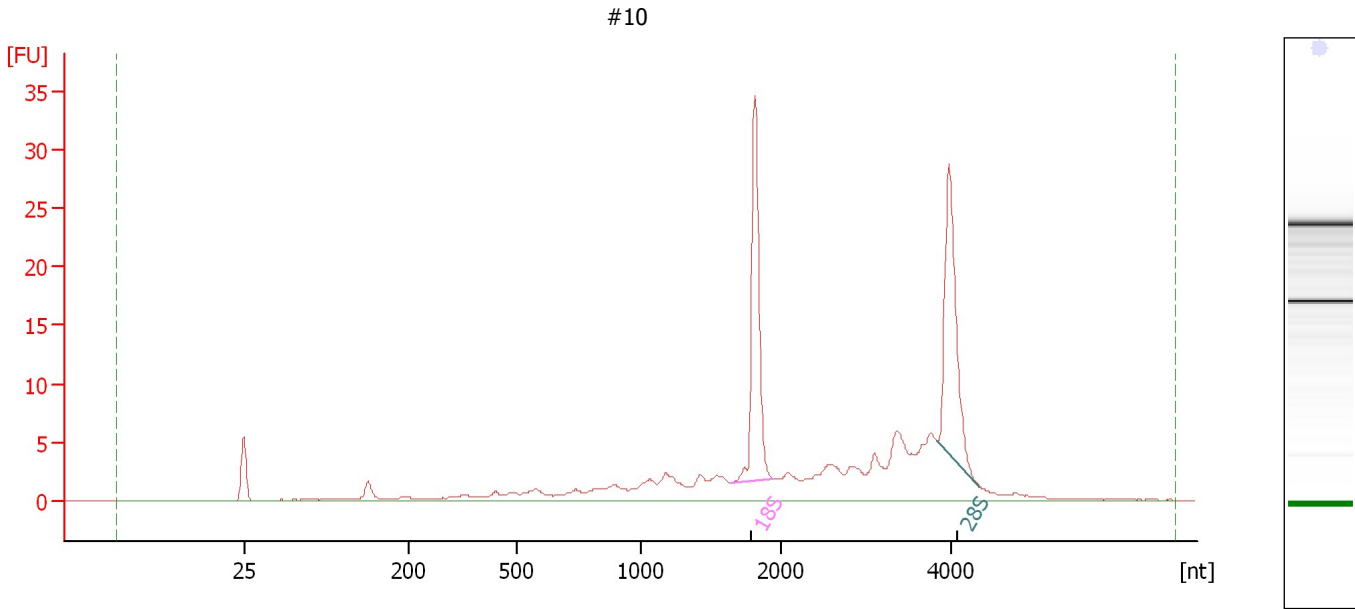
Overall Results for Ladder

RNA Area:	23.0	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\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : #10

RNA Area:	153.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,003 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.80

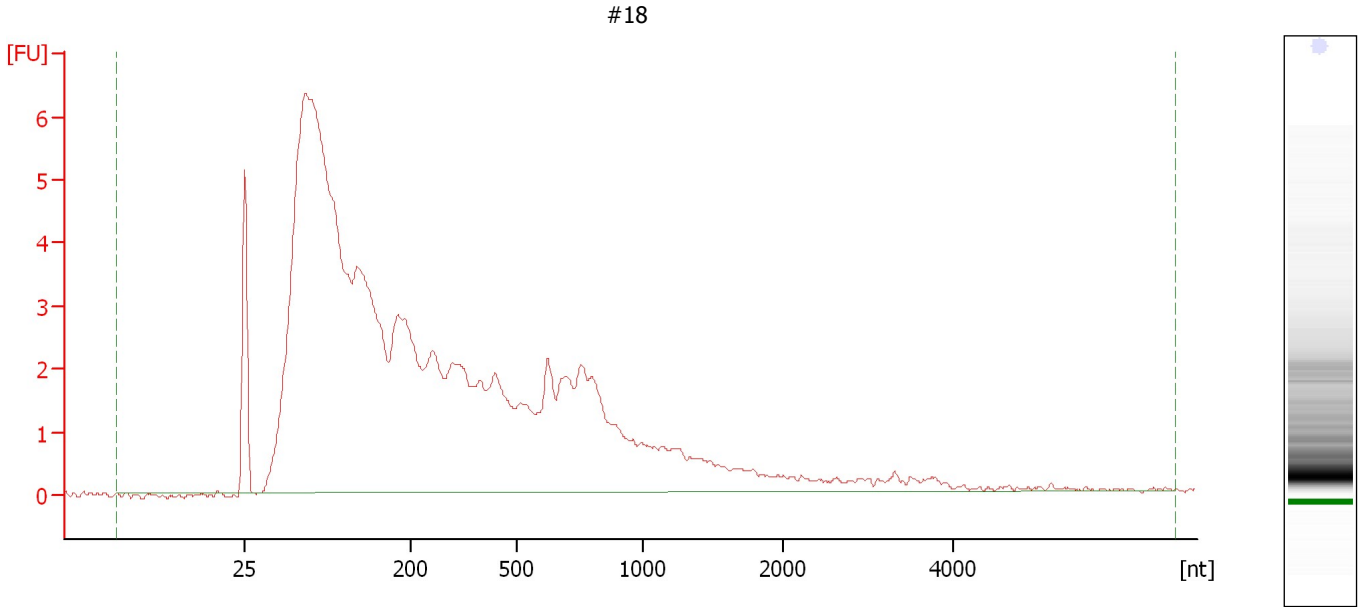
Fragment table for sample 1 : #10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	1,939	25.4	16.6
28S	3,844	4,337	25.3	16.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



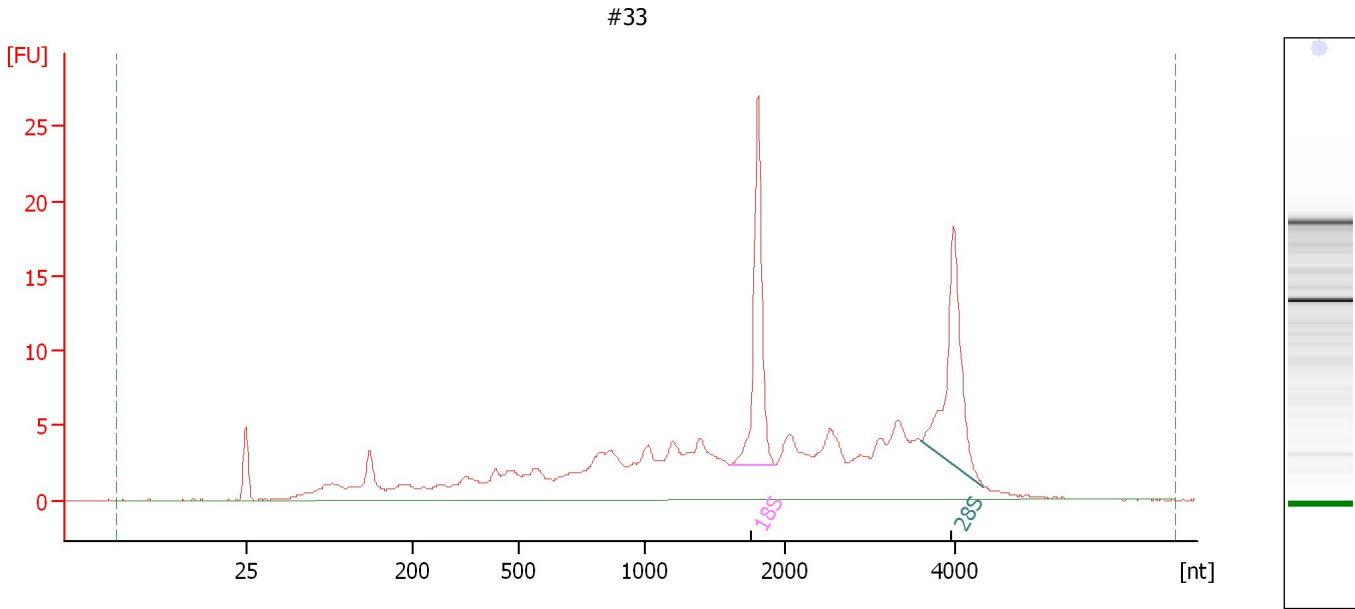
Overall Results for sample 2 : #18

RNA Area:	135.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	885 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : #33

RNA Area:	208.2	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	1,359 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.40

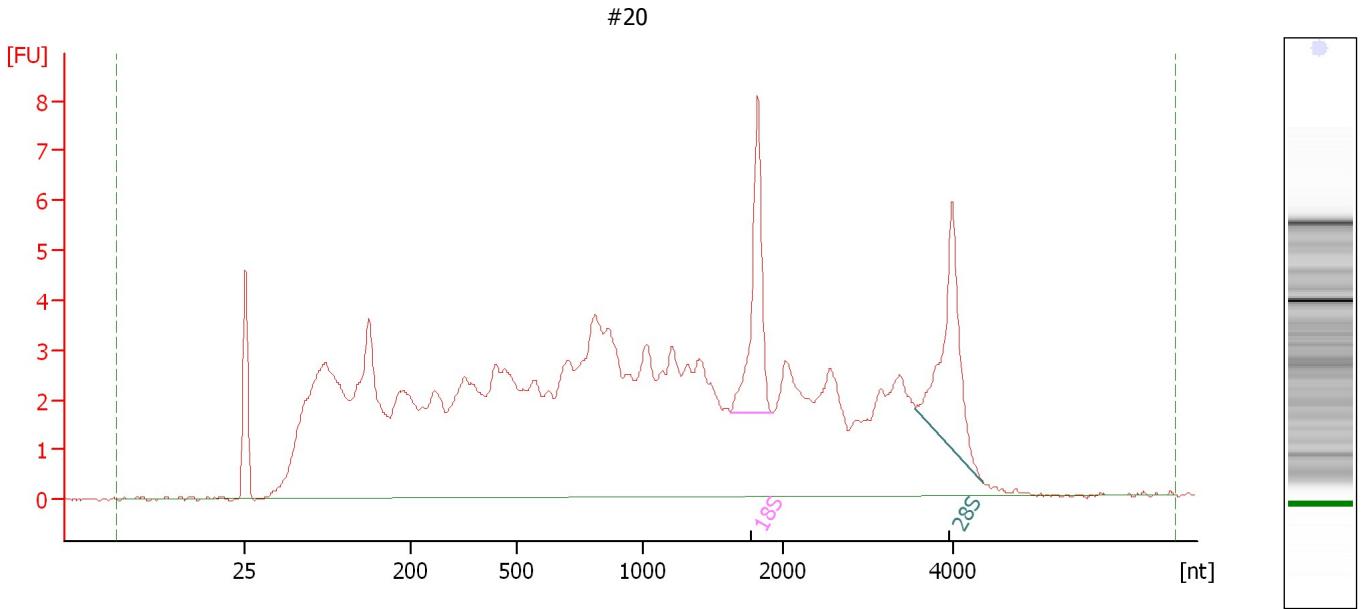
Fragment table for sample 3 : #33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,924	21.6	10.4
28S	3,598	4,328	21.2	10.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : #20

RNA Area:	180.6	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	1,179 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 4.90

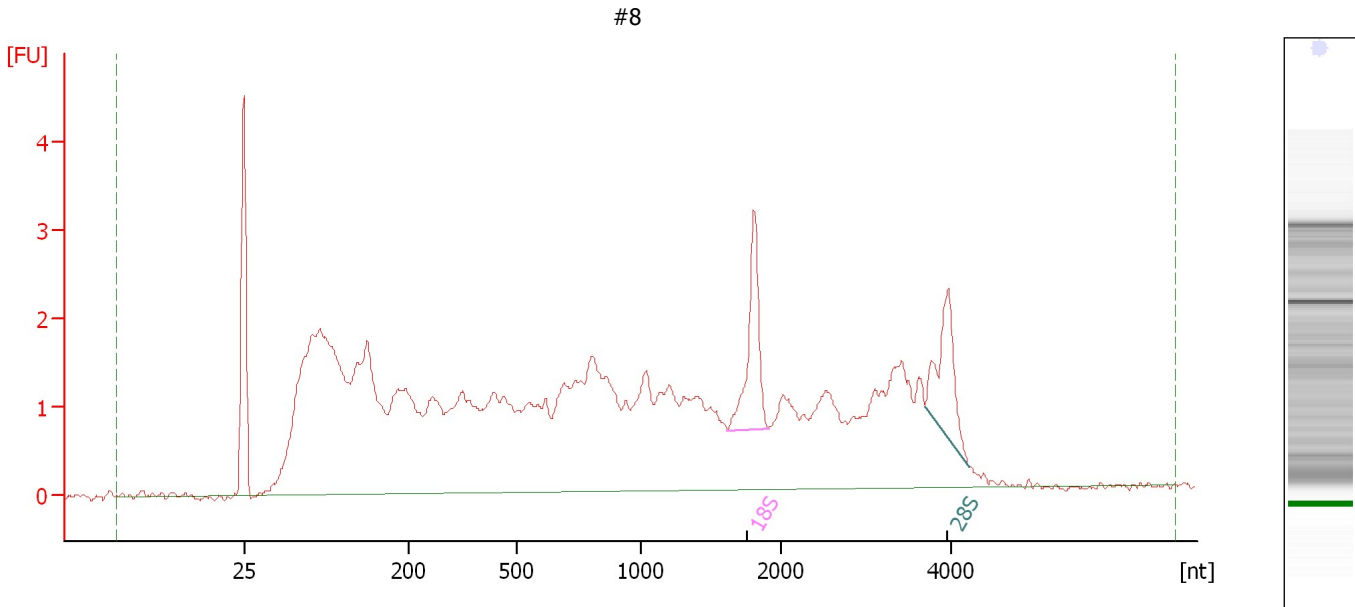
Fragment table for sample 4 : #20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,917	6.6	3.7
28S	3,551	4,358	7.4	4.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : #8

RNA Area:	88.7	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	579 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 4.90

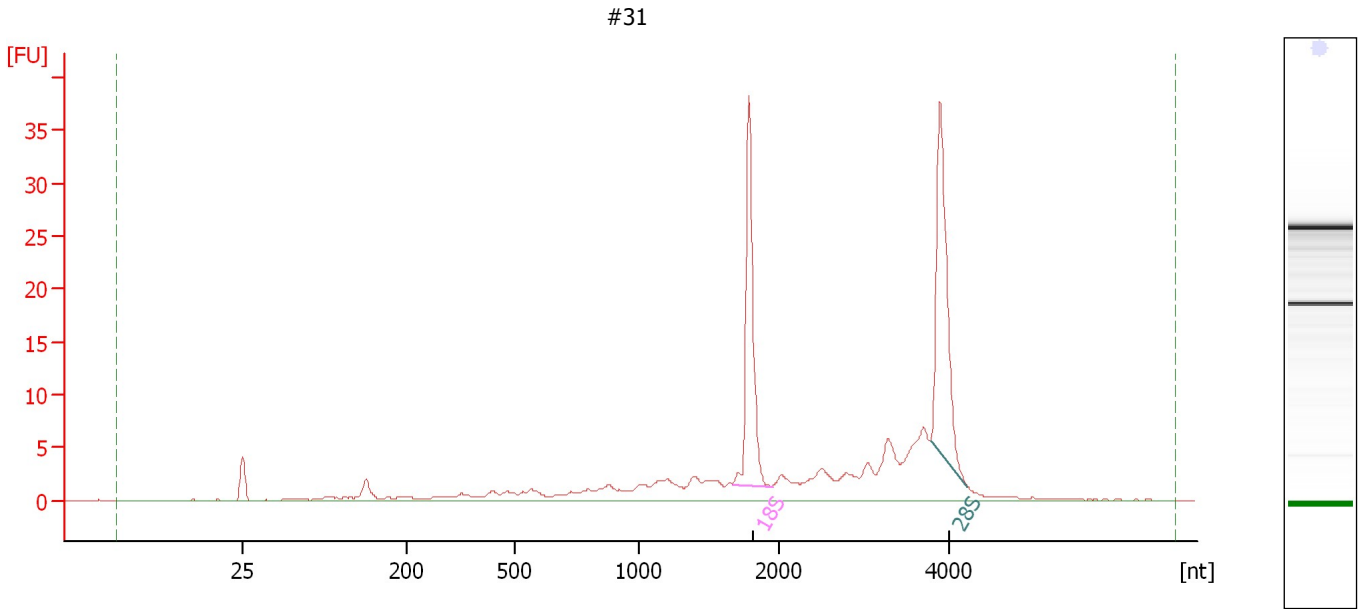
Fragment table for sample 5 : #8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,909	2.7	3.1
28S	3,693	4,210	2.4	2.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : #31

RNA Area:	159.8	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	1,043 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.90

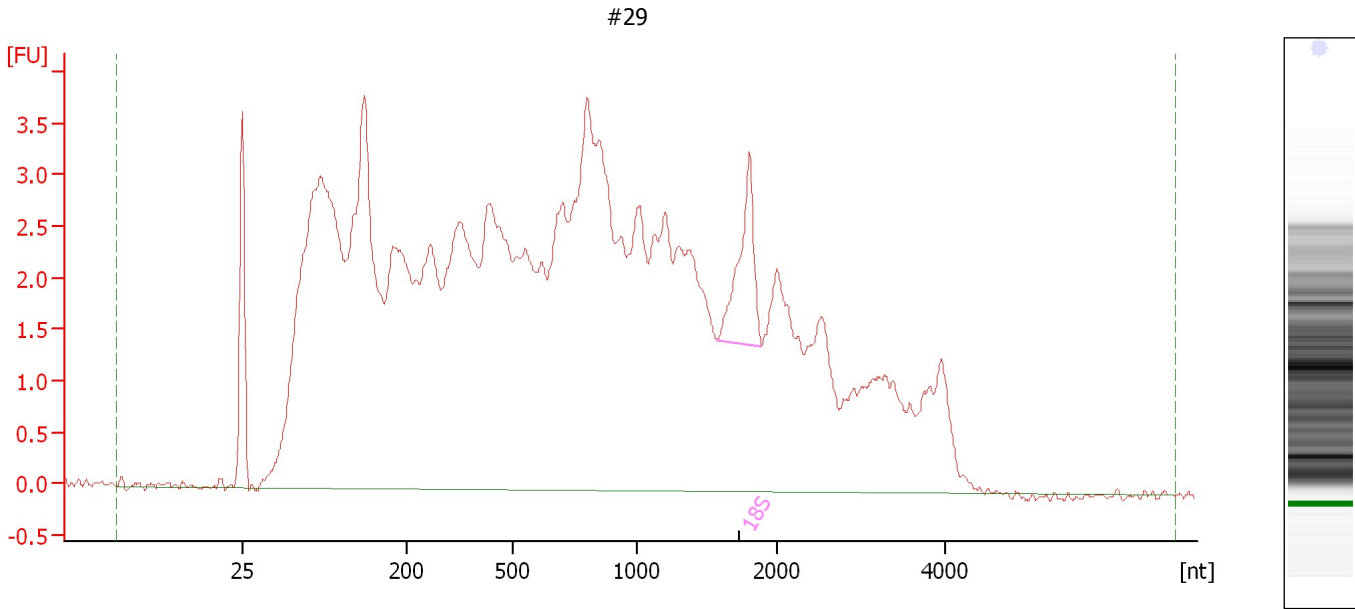
Fragment table for sample 6 : #31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,666	1,946	28.8	18.0
28S	3,784	4,227	32.2	20.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : #29

RNA Area: 163.8 RNA Integrity Number (RIN): 3 (B.02.08)
RNA Concentration: 1,069 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN:3

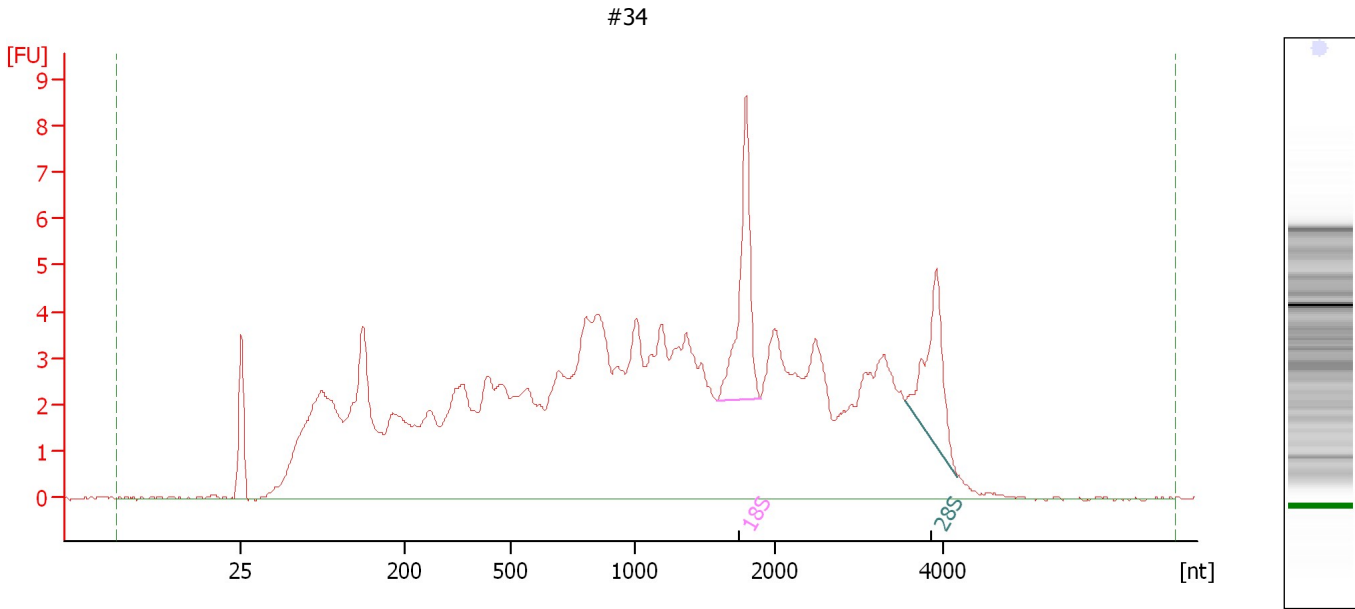
Fragment table for sample 7 : #29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,886	2.9	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : #34

RNA Area: 191.0 RNA Integrity Number (RIN): 4.5 (B.02.08)
RNA Concentration: 1,247 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 4.50

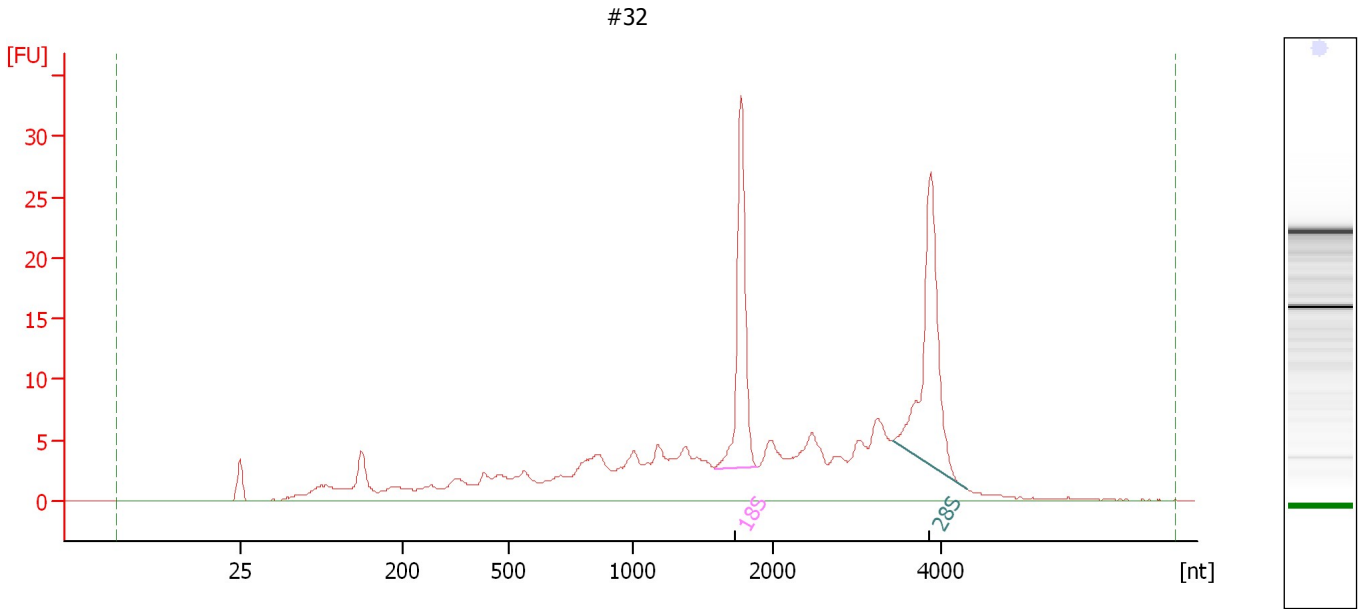
Fragment table for sample 8 : #34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,893	7.6	4.0
28S	3,550	4,172	5.7	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : #32

RNA Area: 243.8 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 1,592 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 6.70

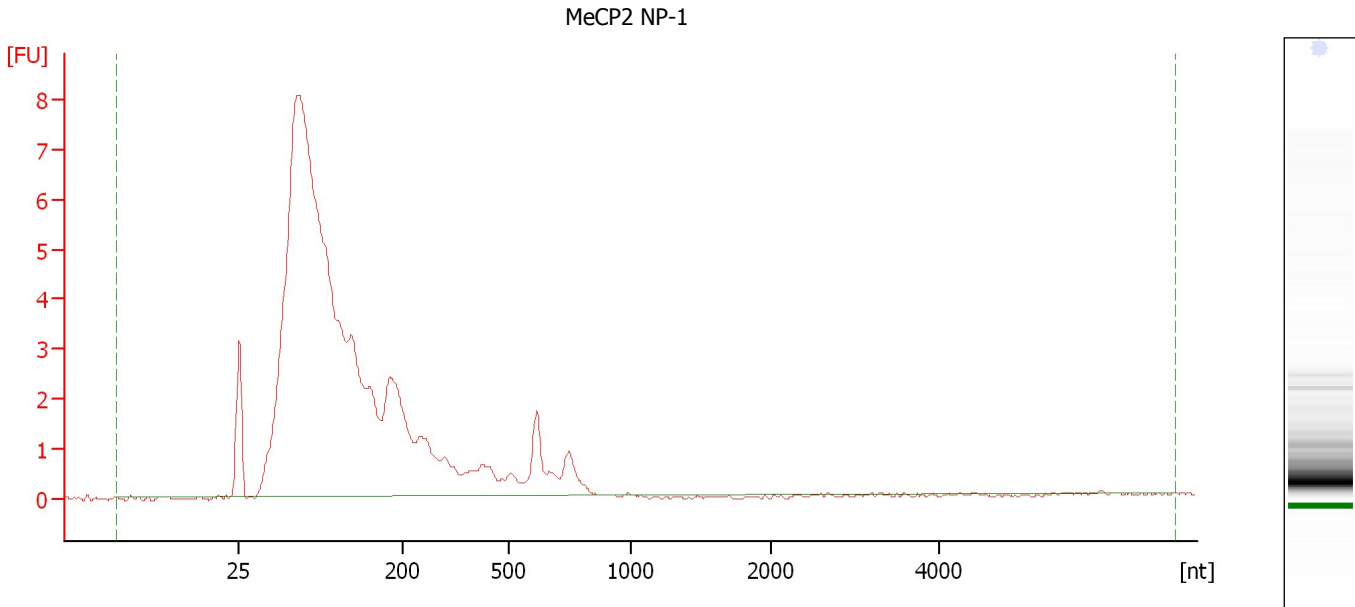
Fragment table for sample 9 : #32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,885	26.4	10.8
28S	3,425	4,304	33.6	13.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



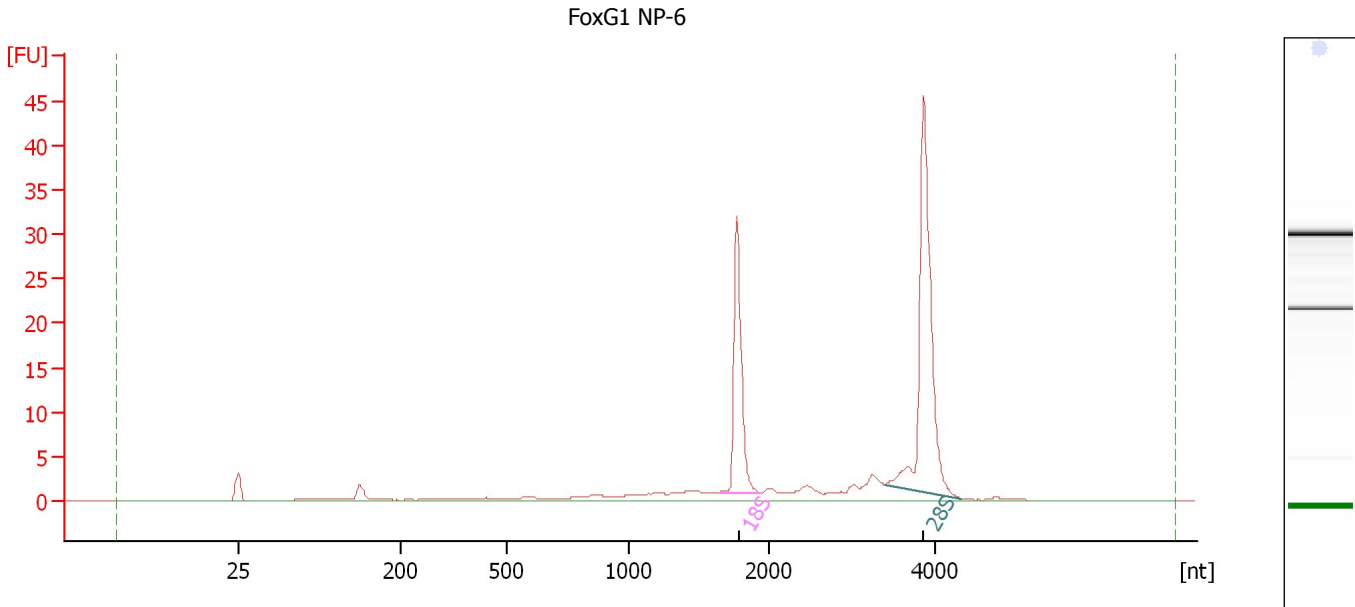
Overall Results for sample 10 : MeCP2 NP-1

RNA Area:	98.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	643 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : FoxG1 NP-6

RNA Area: 122.6 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 800 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.50

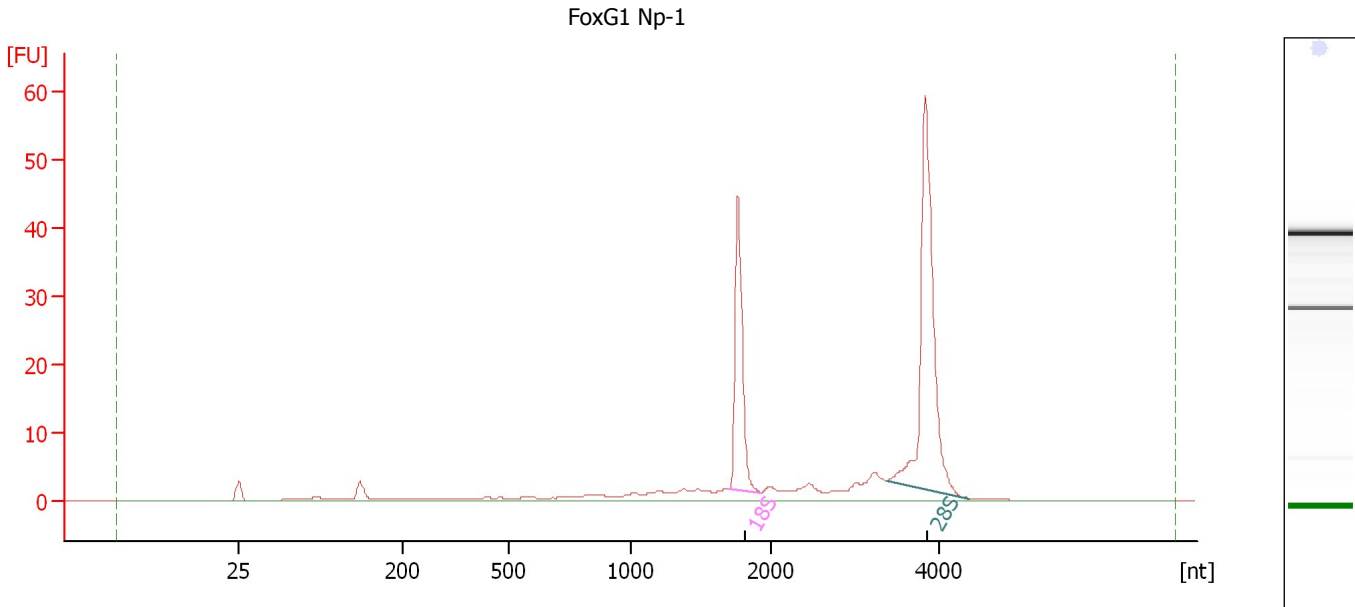
Fragment table for sample 11 : FoxG1 NP-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,945	25.4	20.7
28S	3,379	4,300	47.8	39.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : FoxG1 Np-1

RNA Area: 180.9 RNA Integrity Number (RIN): 9.2 (B.02.08)
RNA Concentration: 1,181 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.20

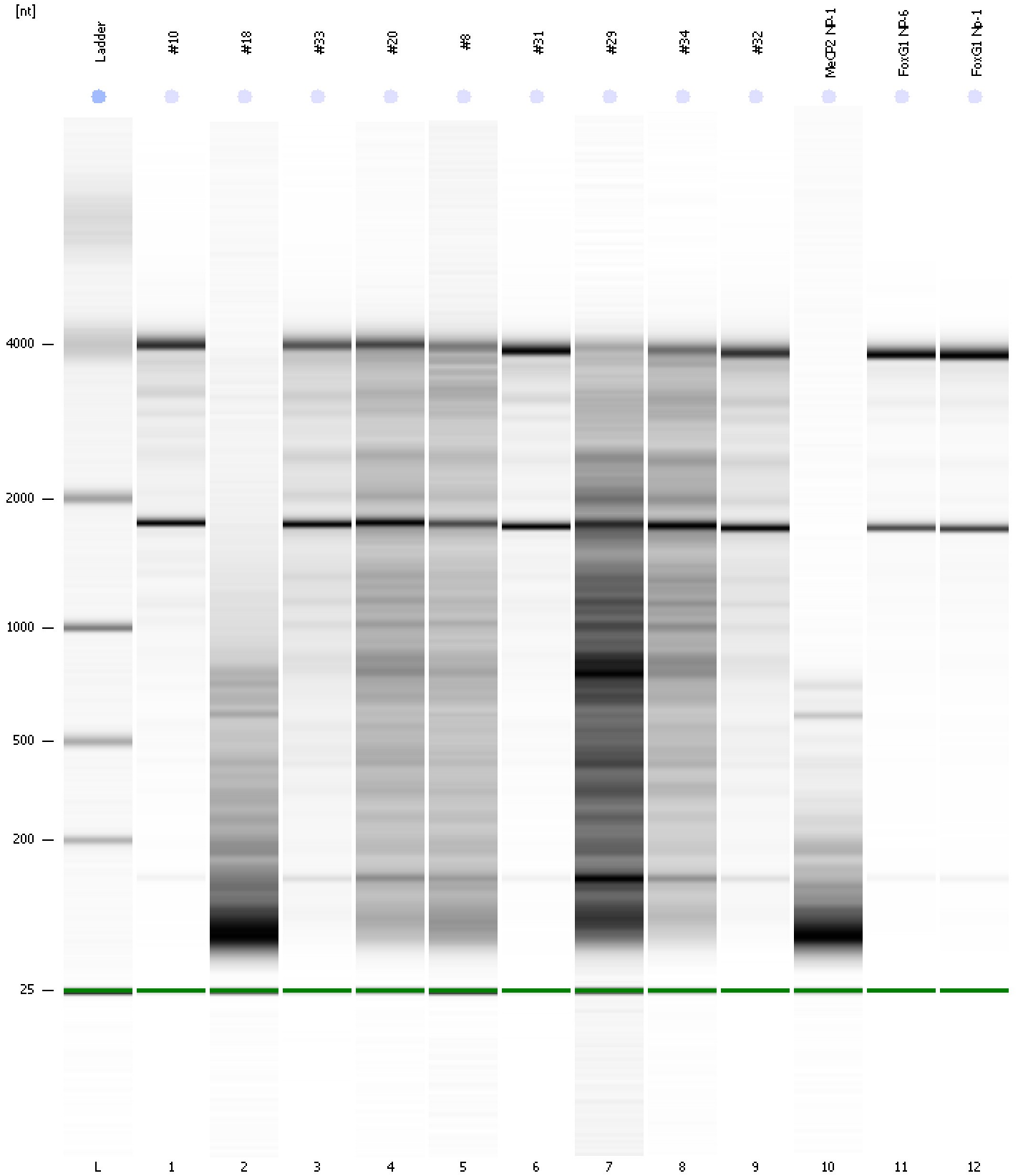
Fragment table for sample 12 : FoxG1 Np-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	1,930	33.6	18.6
28S	3,377	4,372	66.9	37.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
Modified: 4/19/2012 4:01:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad

Created: 4/19/2012 3:25:07 PM
 Modified: 4/19/2012 4:01:00 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		4/19/2012 3:48:54 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-19\2012-04-19_006.xad)		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2012 3:25:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1