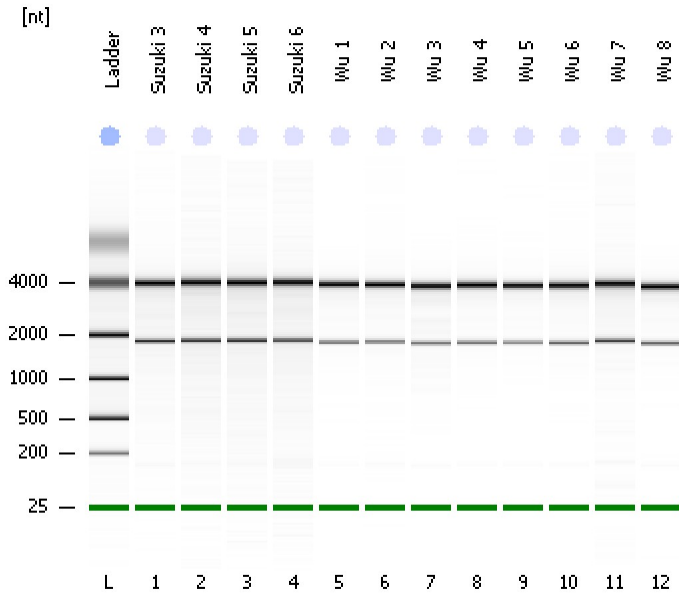


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electrophoresis File Run Summary



Instrument Information:

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

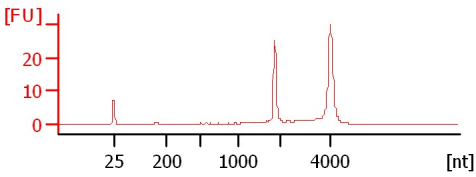
Assay Information:

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.

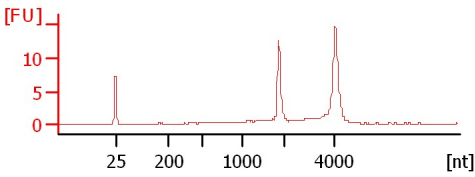
Chip Information:

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

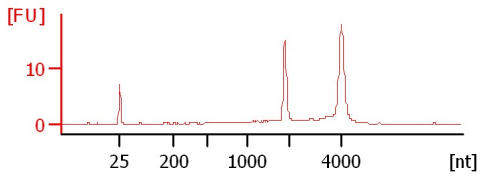
Suzuki 3
RIN: 9.70



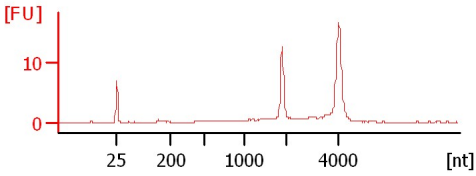
Suzuki 4
RIN: 8.90



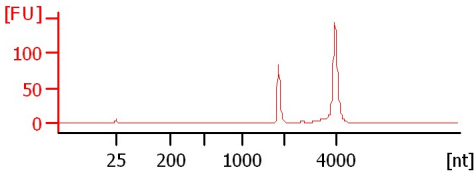
Suzuki 5
RIN: 8.90



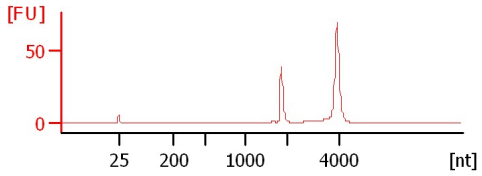
Suzuki 6
RIN: 9.20



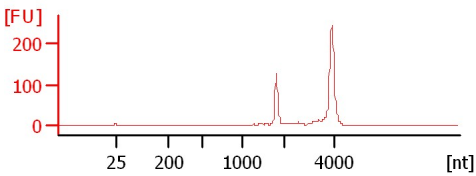
Wu 1
RIN: 10



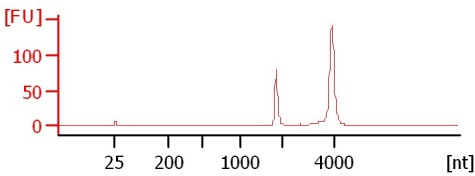
Wu 2
RIN: 10



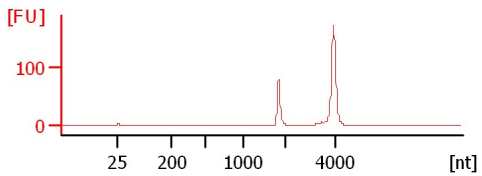
Wu 3
RIN: 9.60



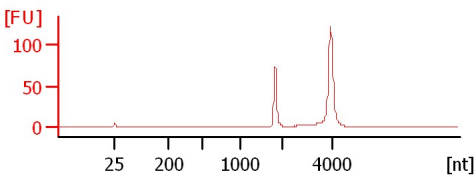
Wu 4
RIN: 10



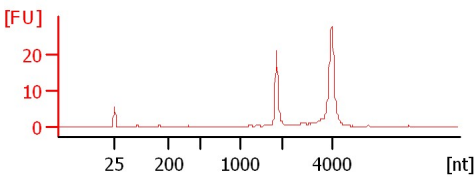
Wu 5
RIN: 9.90



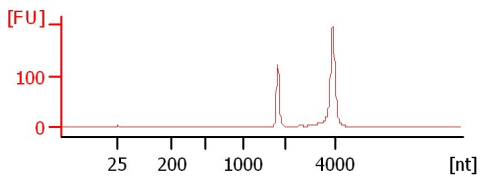
Wu 6
RIN: 10



Wu 7
RIN: 10



Wu 8
RIN: 10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
 Modified: 9/18/2014 1:37:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Suzuki 3		✓	RIN: 9.70	
Suzuki 4		✓	RIN: 8.90	
Suzuki 5		✓	RIN: 8.90	
Suzuki 6		✓	RIN: 9.20	
Wu 1		✓	RIN:10	
Wu 2		✓	RIN:10	
Wu 3		✓	RIN: 9.60	
Wu 4		✓	RIN:10	
Wu 5		✓	RIN: 9.90	
Wu 6		✓	RIN:10	
Wu 7		✓	RIN:10	
Wu 8		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 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

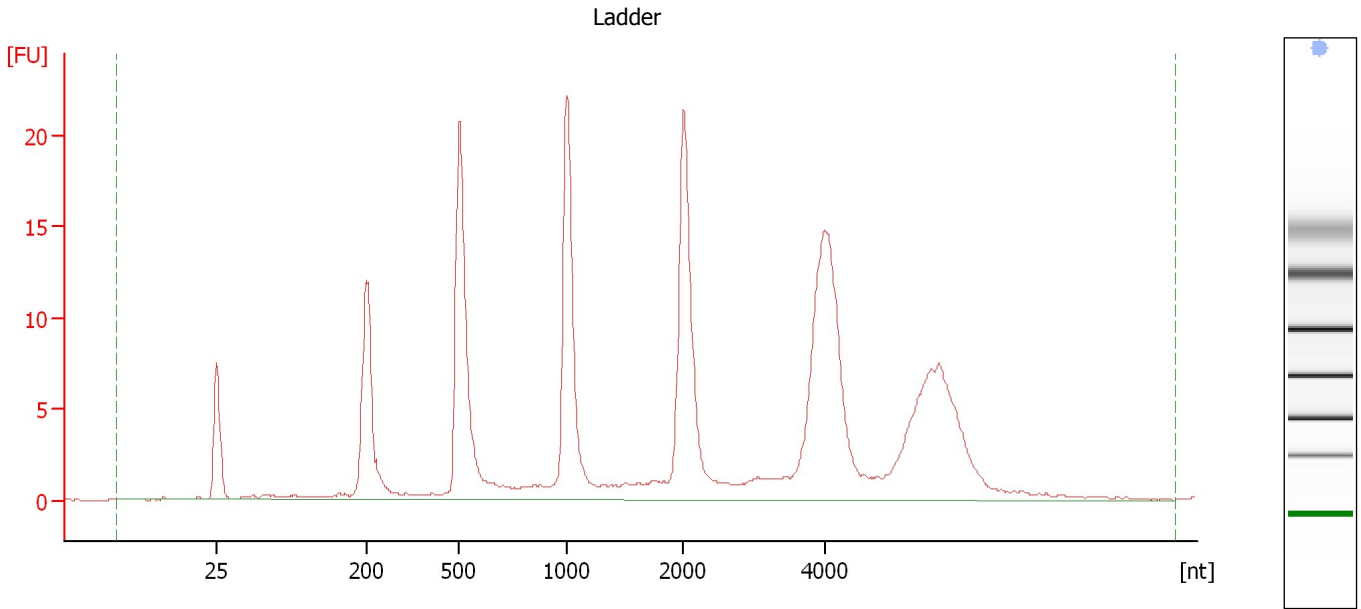
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary



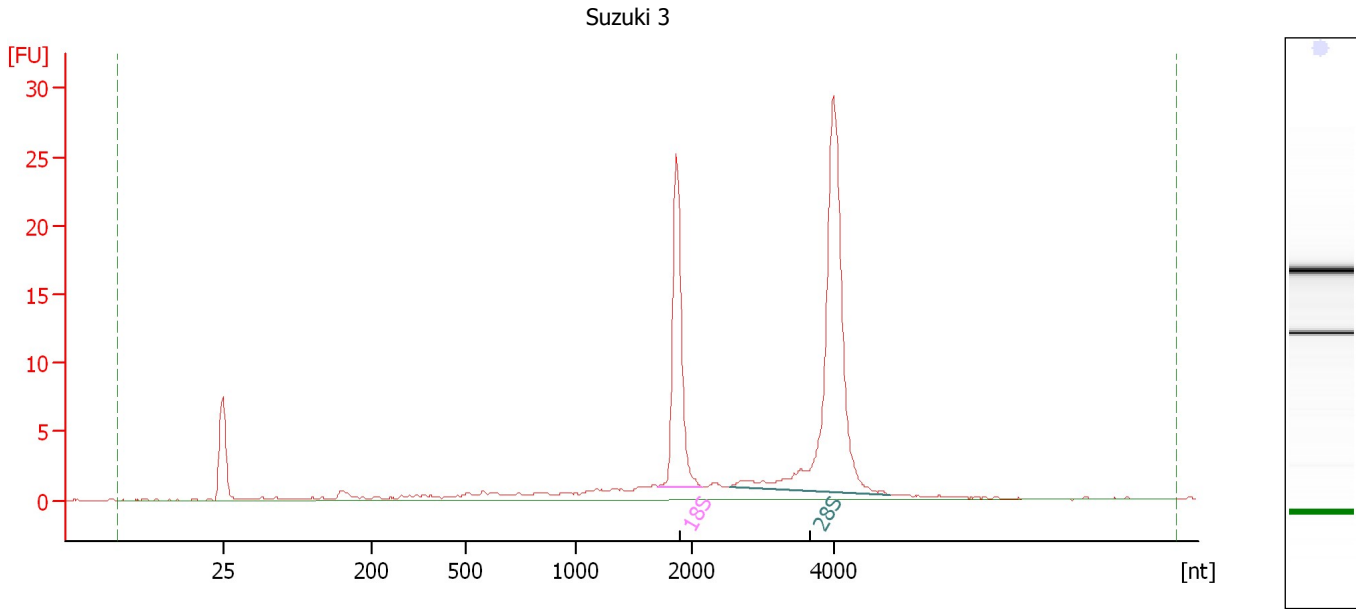
Overall Results for Ladder

RNA Area:	226.8	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\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Suzuki 3

RNA Area: 114.4 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 76 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.70

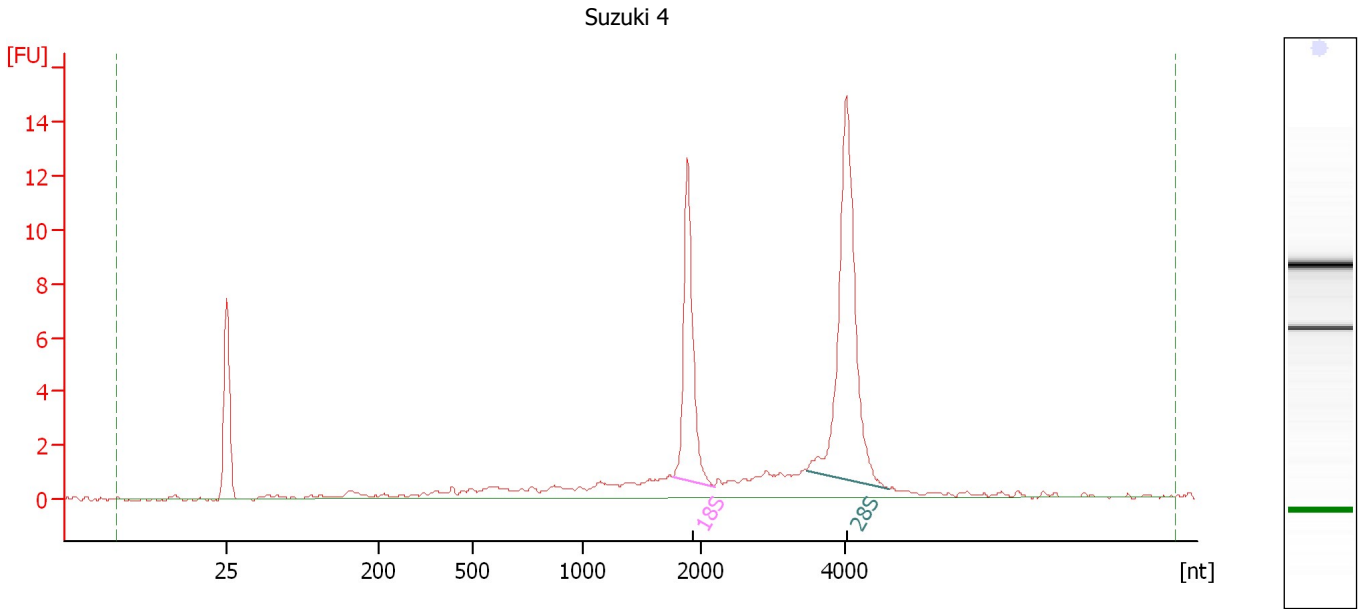
Fragment table for sample 1 : Suzuki 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	2,126	24.0	21.0
28S	2,516	4,786	50.8	44.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Suzuki 4

RNA Area: 63.8 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 42 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.90

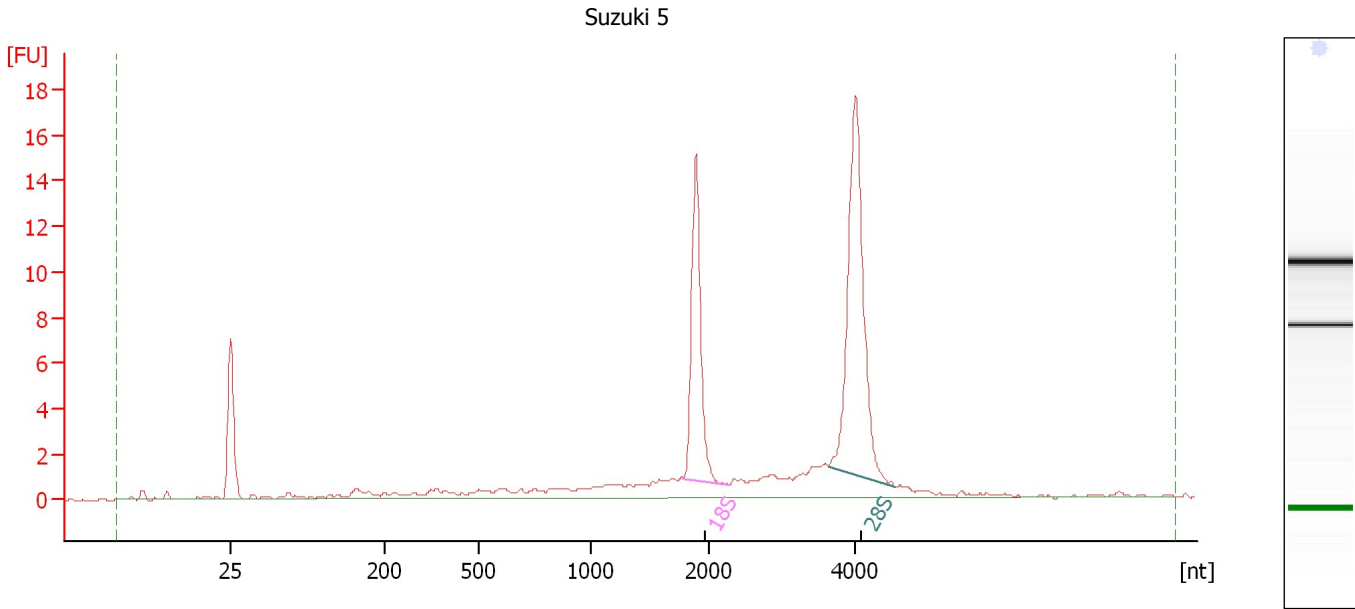
Fragment table for sample 2 : Suzuki 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	2,176	12.7	19.9
28S	3,456	4,616	23.1	36.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Suzuki 5

RNA Area: 78.1 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.90

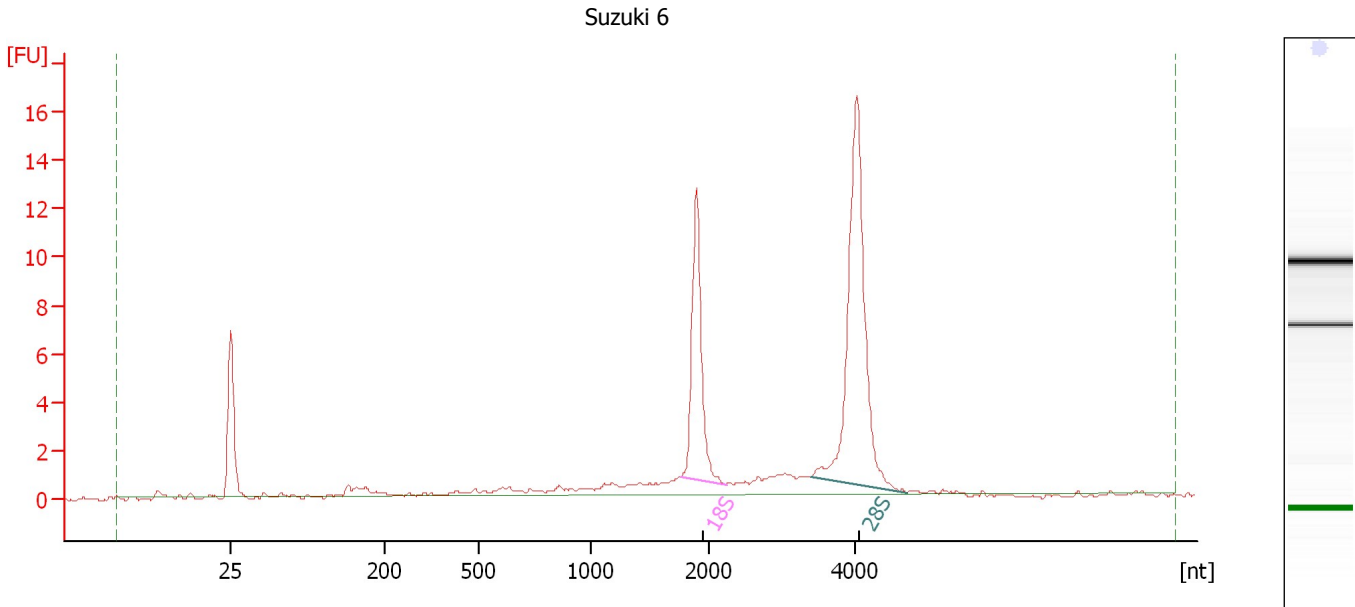
Fragment table for sample 3 : Suzuki 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,779	2,269	14.8	18.9
28S	3,642	4,571	25.4	32.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Suzuki 6

RNA Area:	60.8	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.20

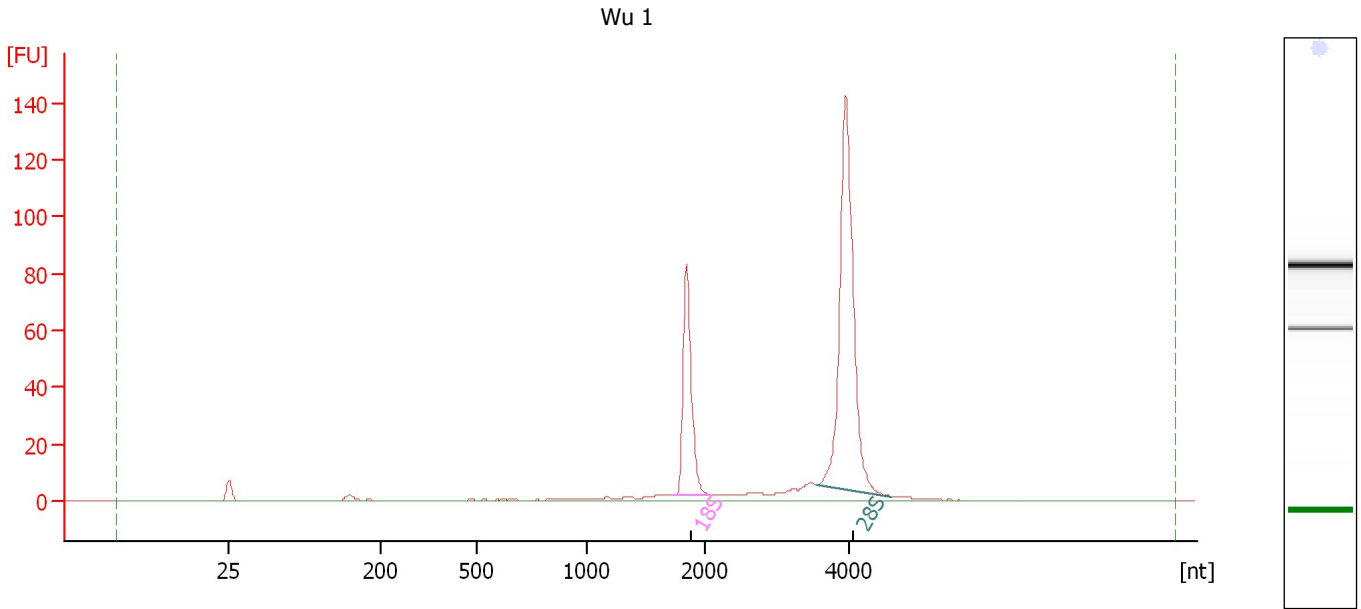
Fragment table for sample 4 : Suzuki 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,752	2,225	12.9	21.2
28S	3,406	4,719	25.8	42.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Wu 1

RNA Area:	356.6	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	236 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

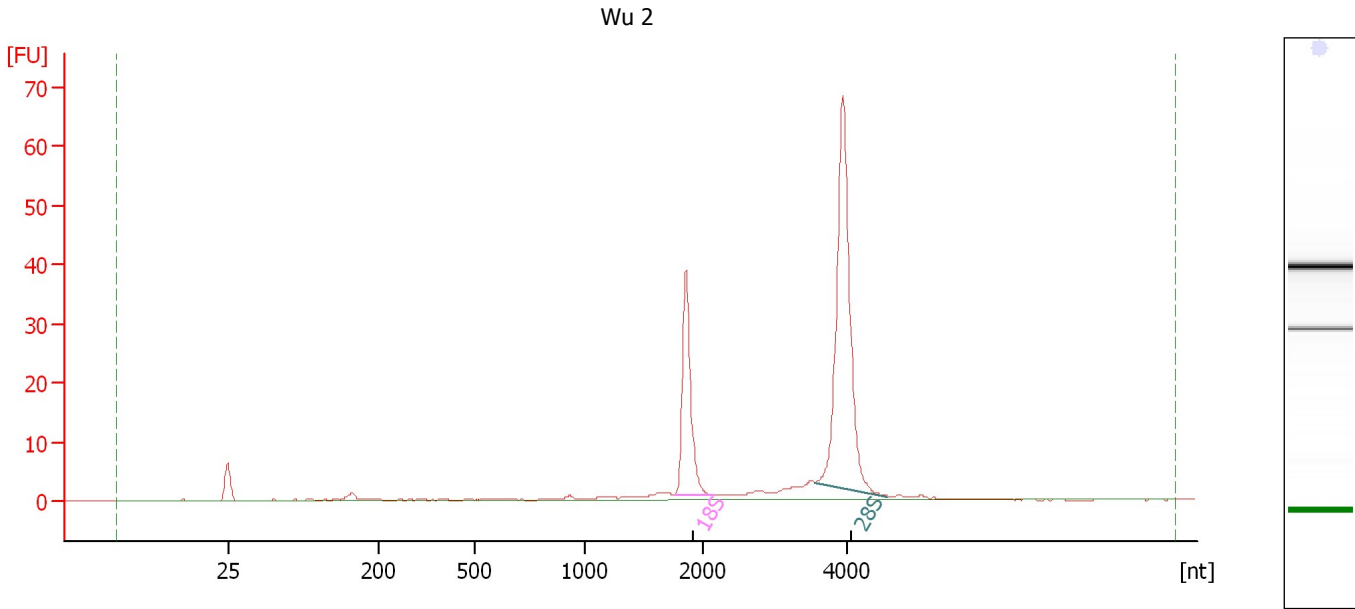
Fragment table for sample 5 : Wu 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,075	80.8	22.7
28S	3,556	4,564	187.8	52.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Wu 2

RNA Area: 176.6 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 117 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN:10

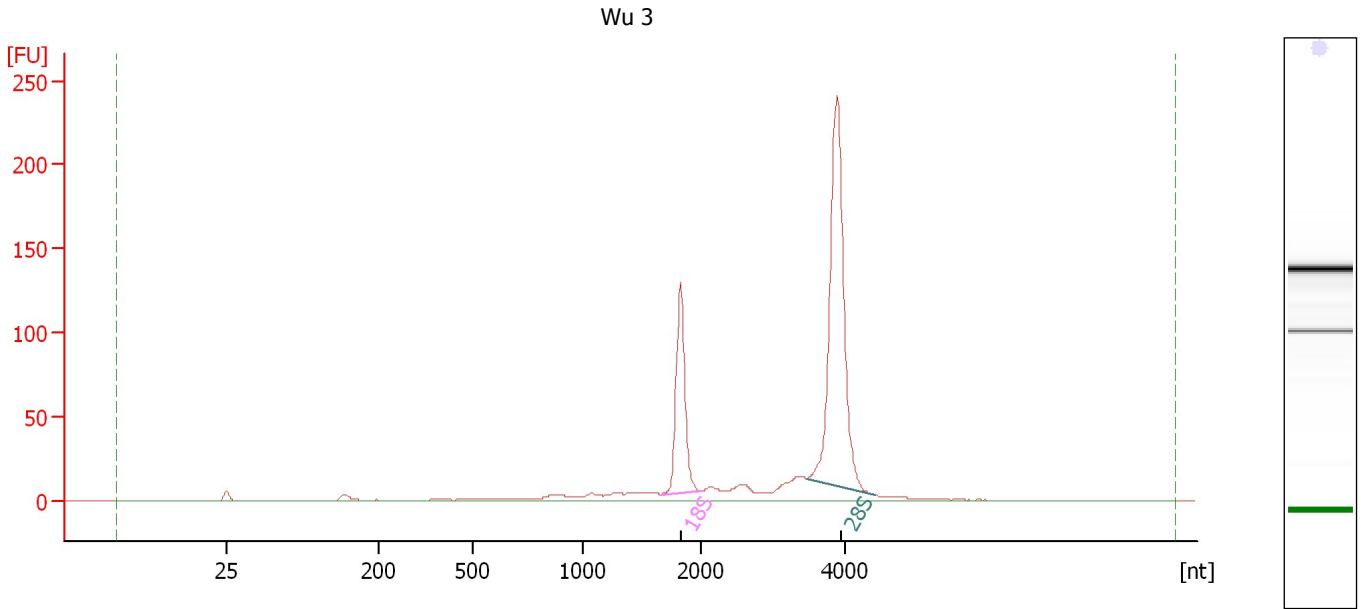
Fragment table for sample 6 : Wu 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,133	38.0	21.5
28S	3,543	4,553	88.1	49.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Wu 3

RNA Area:	700.6	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	463 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN: 9.60

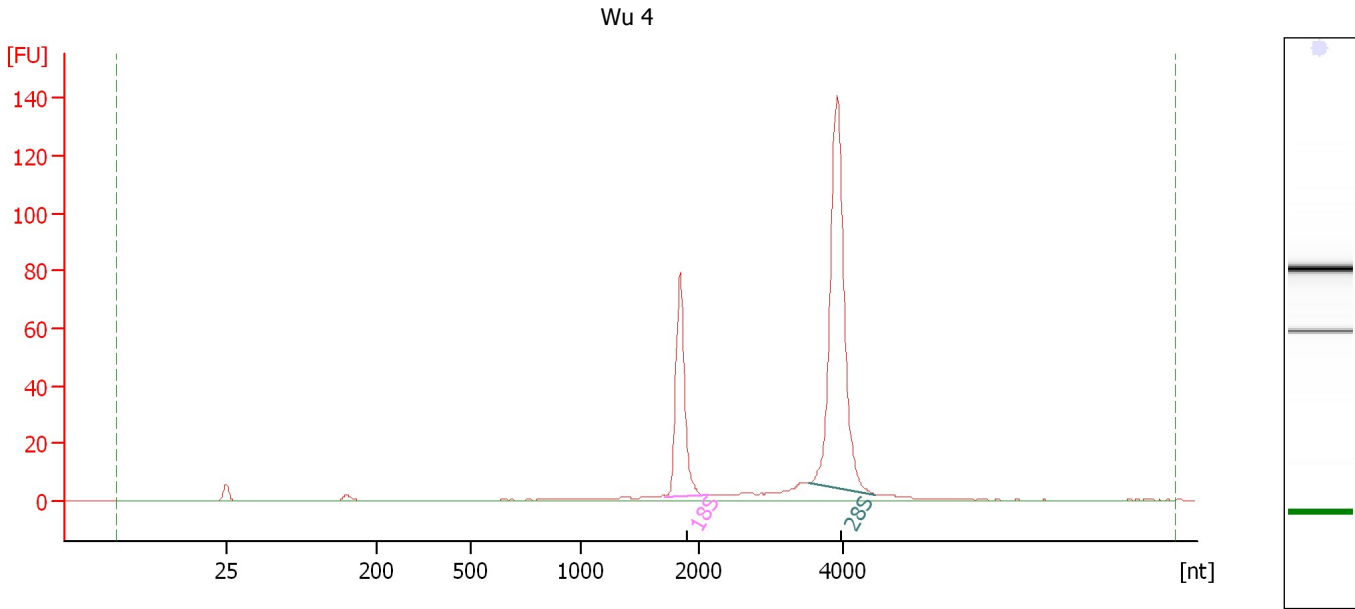
Fragment table for sample 7 : Wu 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,990	128.2	18.3
28S	3,456	4,408	325.3	46.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Wu 4

RNA Area:	349.9	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	231 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN:10

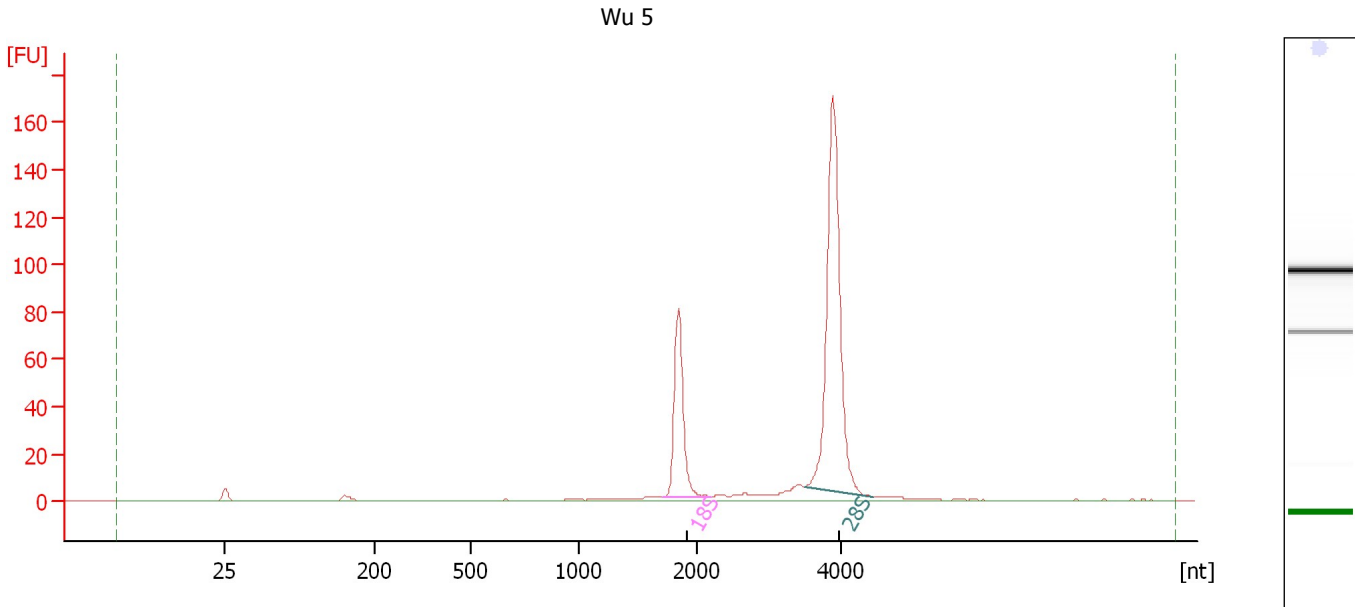
Fragment table for sample 8 : Wu 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,131	79.3	22.7
28S	3,517	4,456	193.1	55.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
 Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Wu 5

RNA Area:	385.3	RNA Integrity Number (RIN):	9.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	255 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN: 9.90

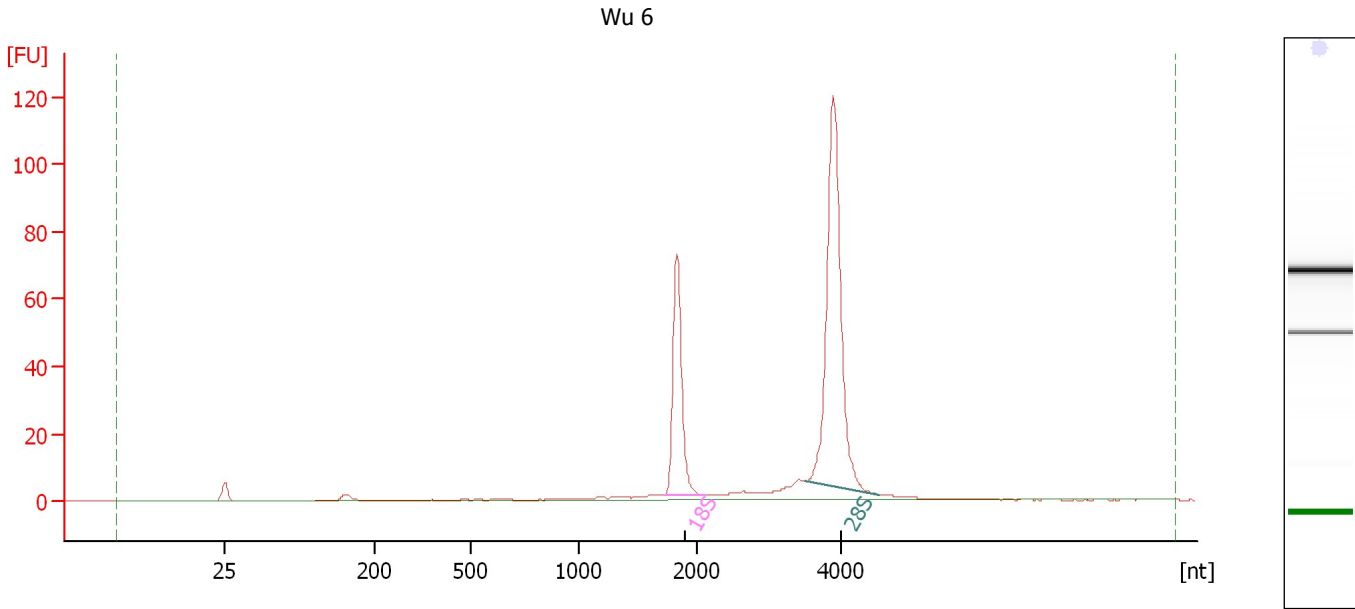
Fragment table for sample 9 : Wu 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,174	81.2	21.1
28S	3,503	4,459	218.9	56.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Wu 6

RNA Area:	321.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	212 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

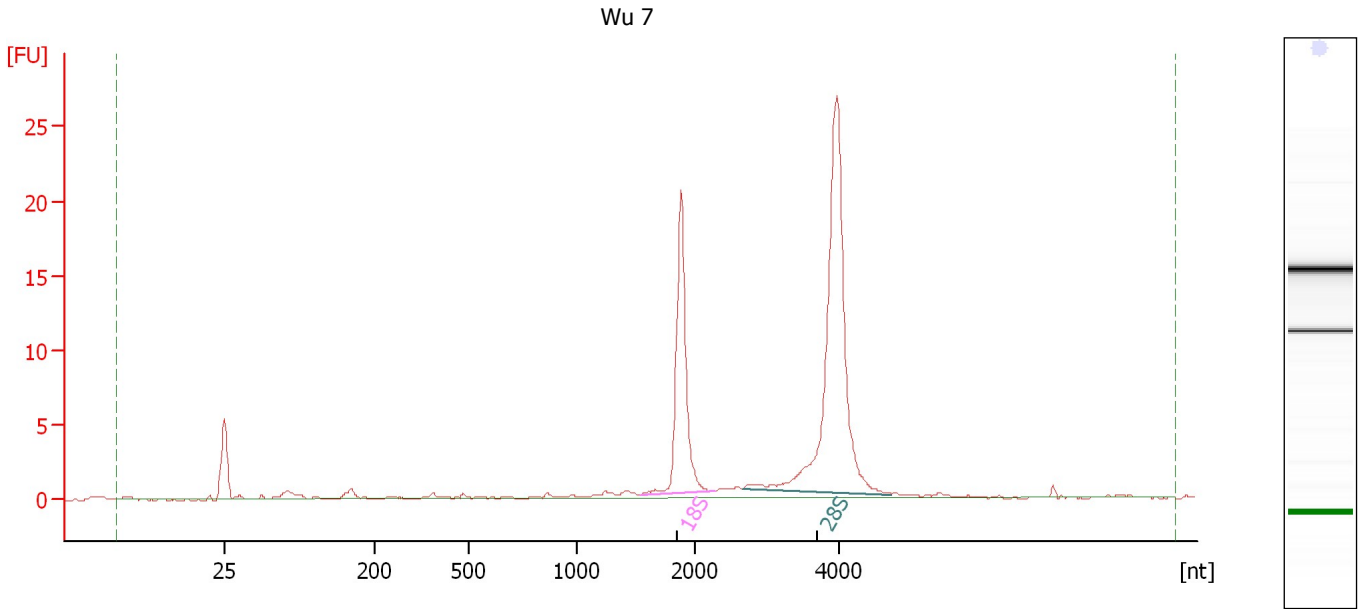
Fragment table for sample 10 : Wu 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,099	71.3	22.2
28S	3,503	4,549	164.0	51.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Wu 7

RNA Area: 92.1 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 61 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

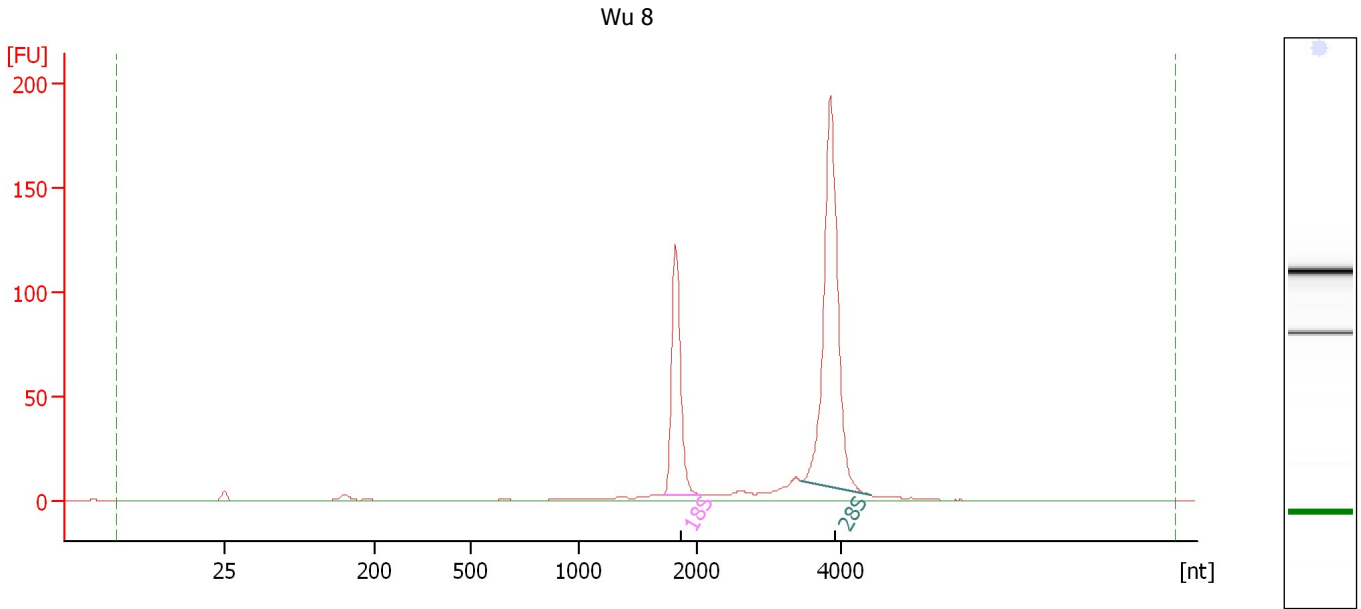
Fragment table for sample 11 : Wu 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	2,263	22.4	24.3
28S	2,652	4,747	47.4	51.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Wu 8

RNA Area:	525.3	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	347 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

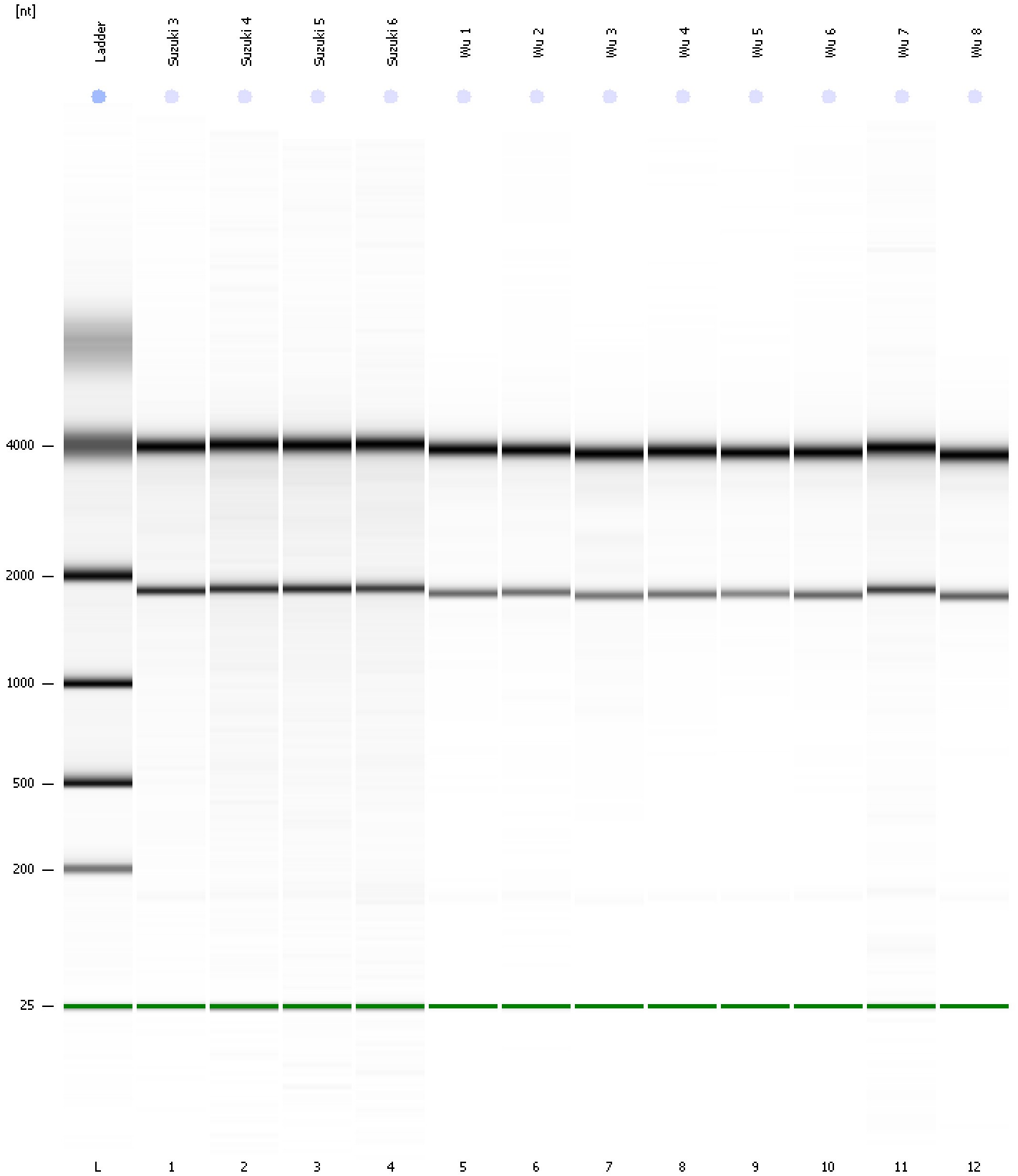
Fragment table for sample 12 : Wu 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,040	122.3	23.3
28S	3,459	4,429	266.6	50.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad

Created: 9/18/2014 1:13:47 PM
Modified: 9/18/2014 1:37:37 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 9/18/2014 1:13:47 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad Modified: 9/18/2014 1:37:37 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		9/18/2014 1:37:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-18\2014-09-18_003.xad)		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/18/2014 1:13:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1