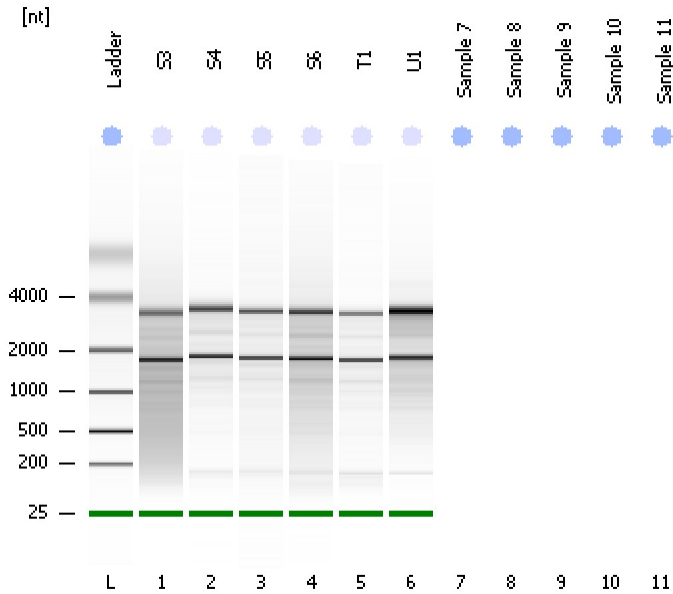


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

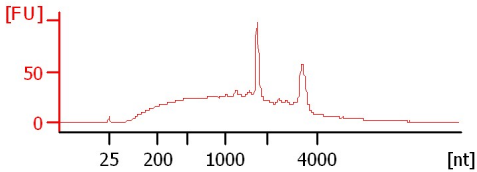
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

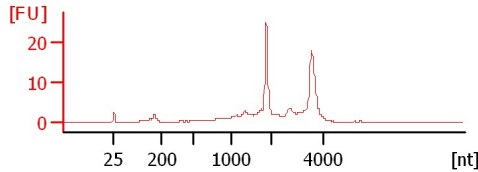
Chip Information:

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

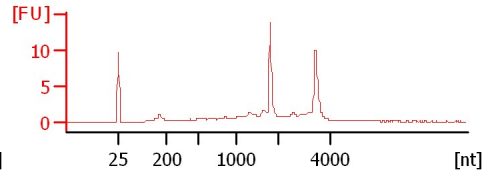
S3
total RNA
RIN: 4.90



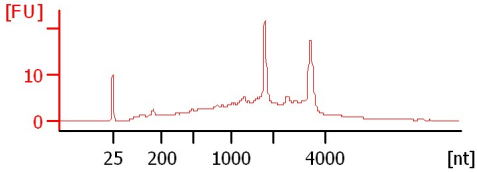
S4
total RNA (new sample)
RIN: 7.90



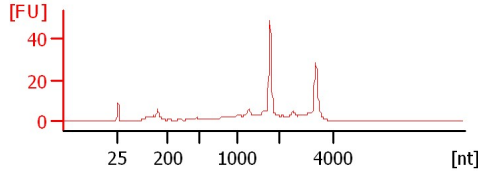
S5
total RNA (new sample)
RIN: 7.40



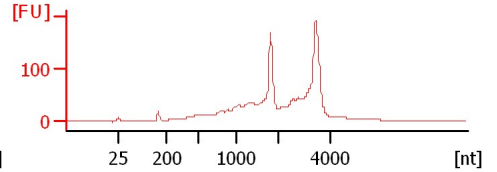
S6
total RNA (new sample)
RIN: 6.40



T1
total RNA
RIN: 7.40



U1
total RNA
RIN: 7.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
S3	total RNA	✓	RIN: 4.90	
S4	total RNA (new sample)	✓	RIN: 7.90	
S5	total RNA (new sample)	✓	RIN: 7.40	
S6	total RNA (new sample)	✓	RIN: 6.40	
T1	total RNA	✓	RIN: 7.40	
U1	total RNA	✓	RIN: 7.30	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

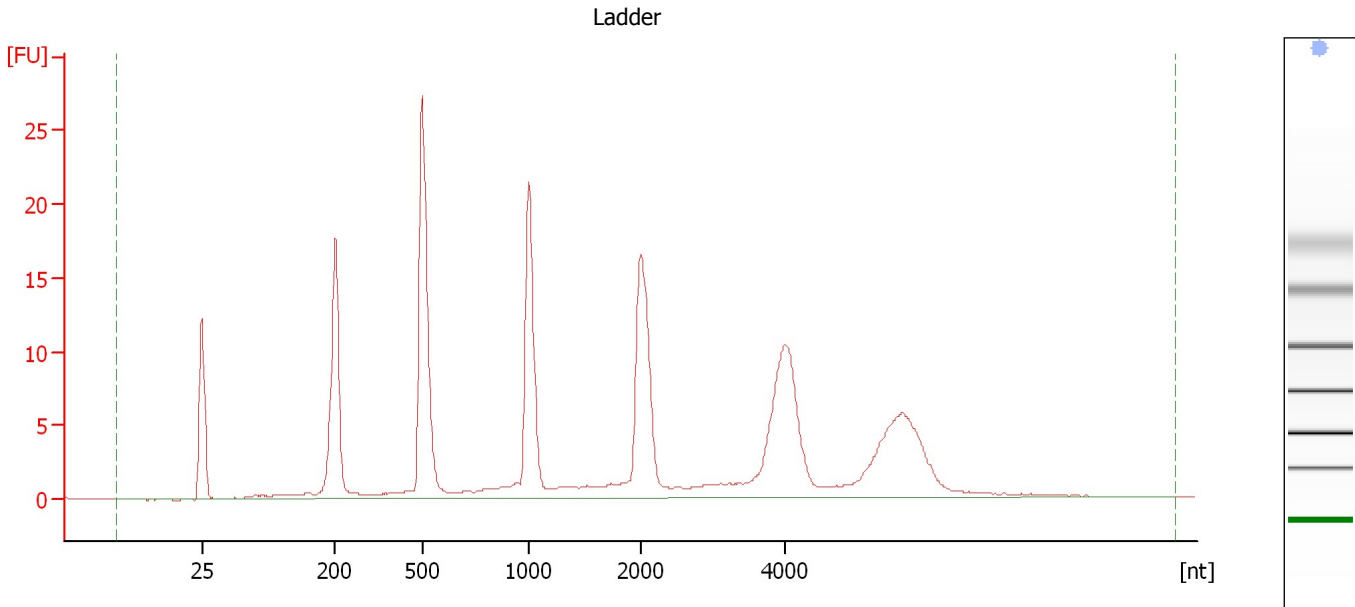
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary



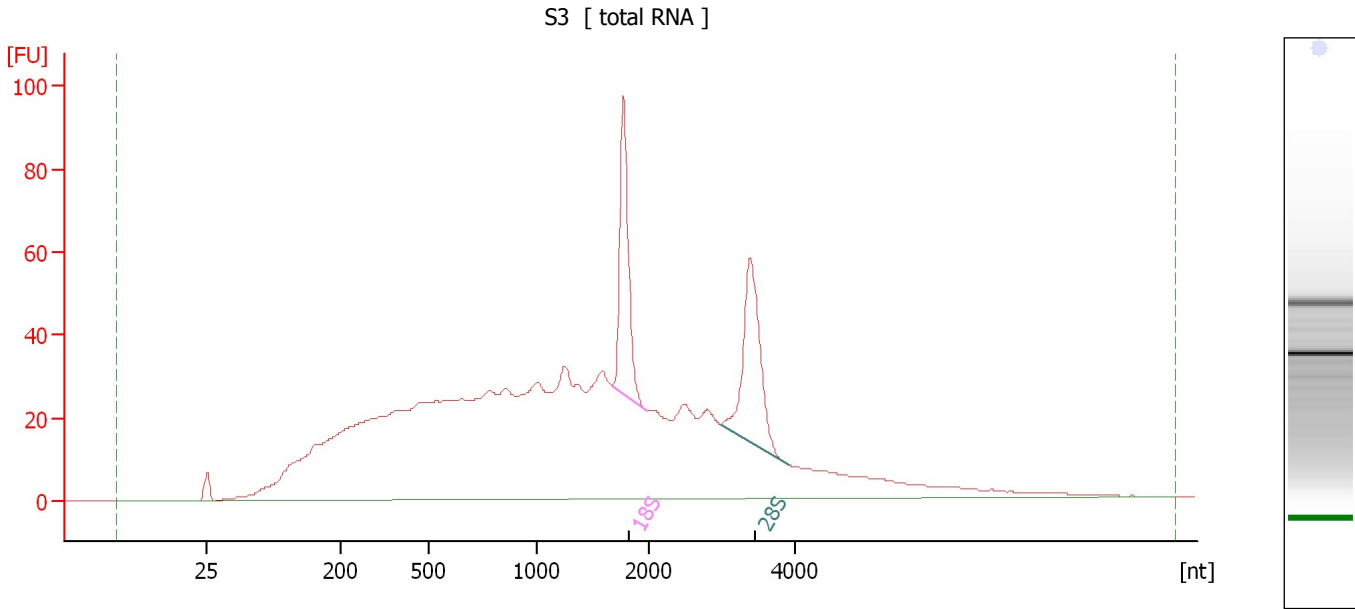
Overall Results for Ladder

RNA Area:	201.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : S3

RNA Area:	1,556.5	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	7,723 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 4.90

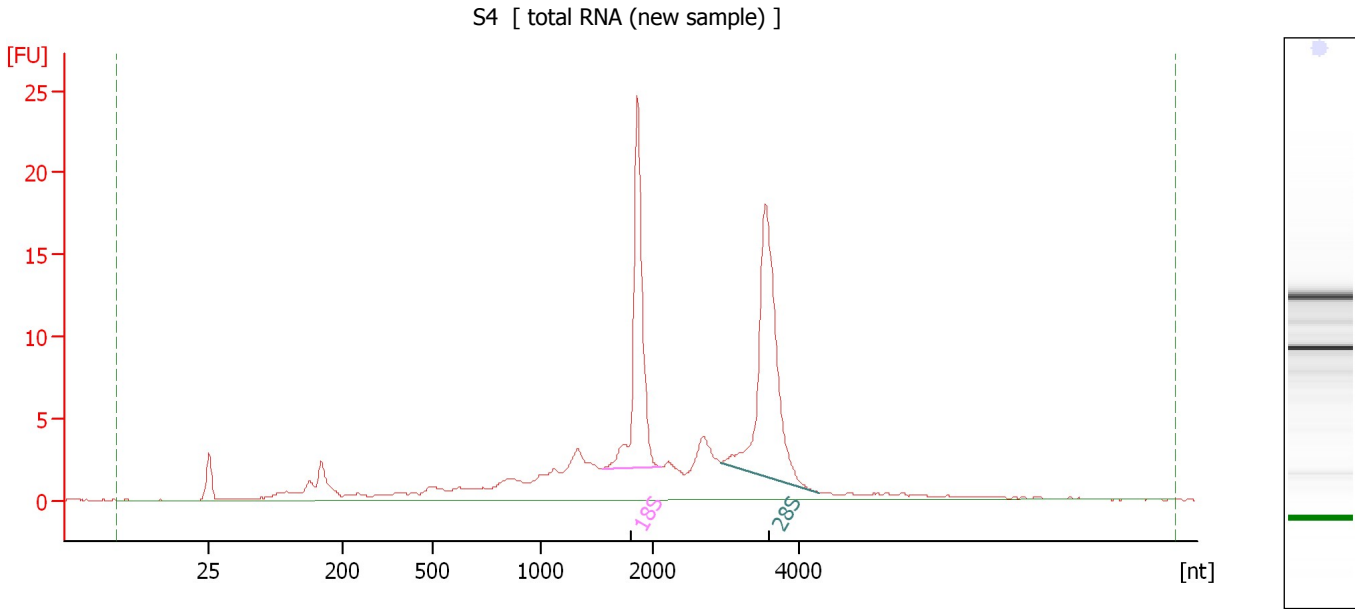
Fragment table for sample 1 : S3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	1,966	77.7	5.0
28S	2,976	3,917	82.9	5.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S4

RNA Area: 143.0 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 710 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 7.90

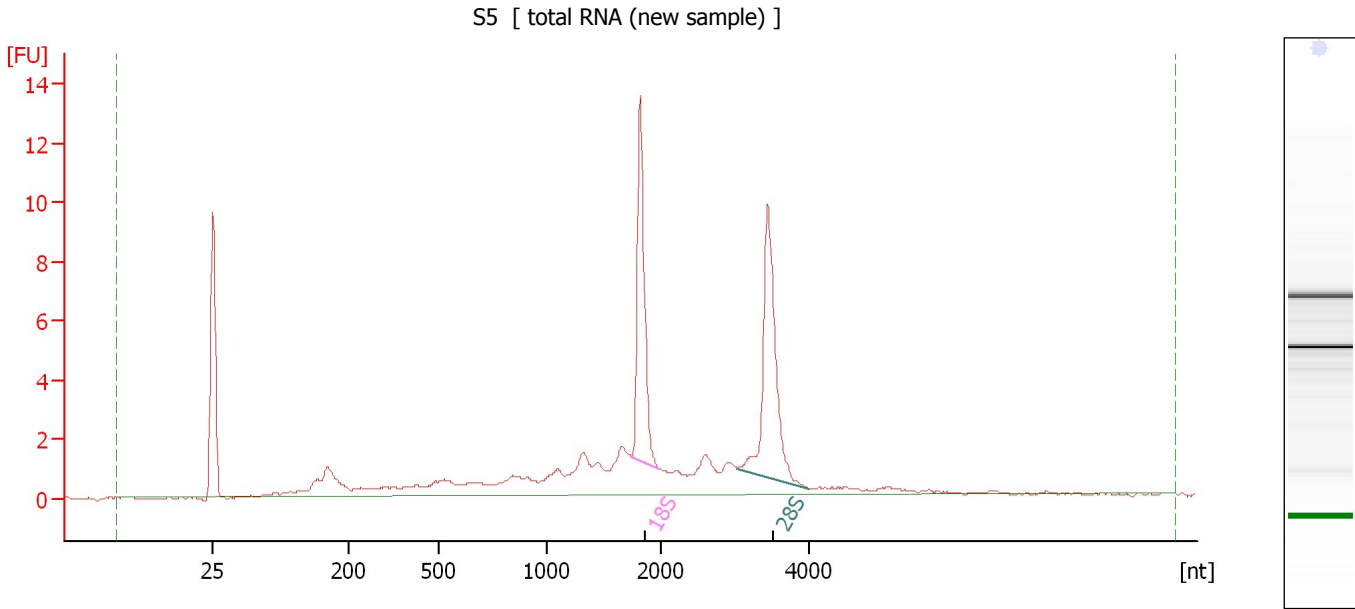
Fragment table for sample 2 : S4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	2,098	25.2	17.6
28S	2,932	4,263	32.0	22.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : S5

RNA Area:	64.3	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	319 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

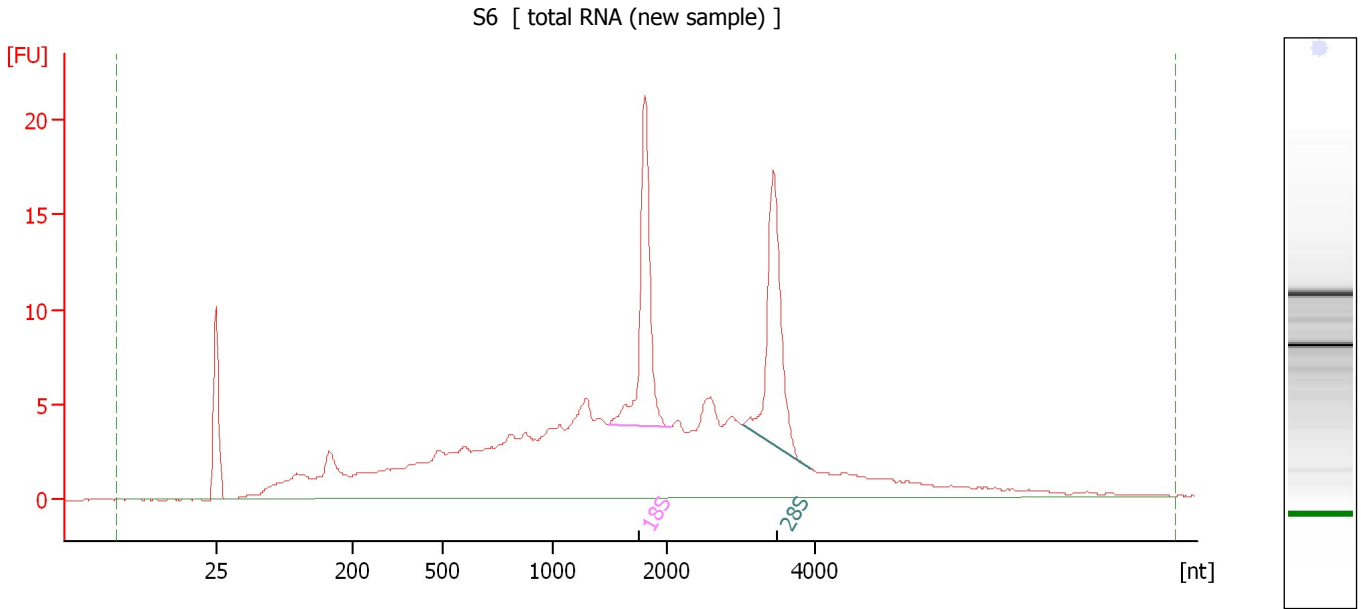
Fragment table for sample 3 : S5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	1,983	10.6	16.5
28S	3,033	4,005	12.0	18.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : S6

RNA Area:	234.0	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	1,161 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.40

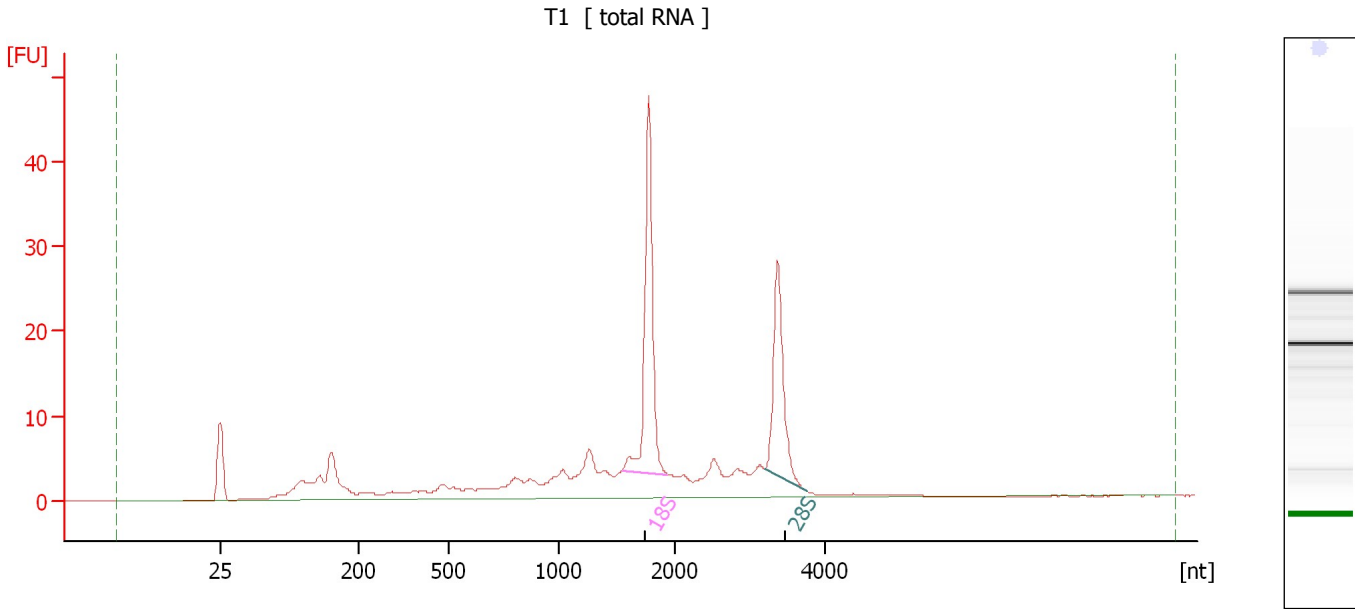
Fragment table for sample 4 : S6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	2,037	20.4	8.7
28S	3,003	3,926	21.1	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : T1

RNA Area:	205.2	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,018 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.40

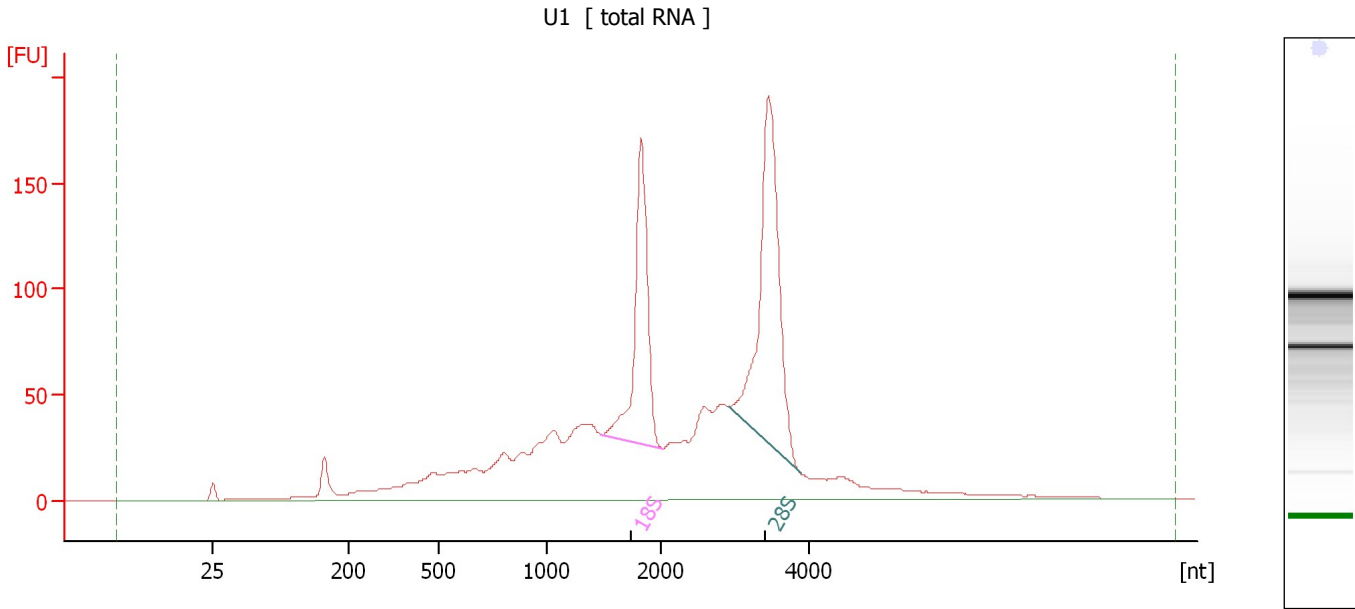
Fragment table for sample 5 : T1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,927	41.0	20.0
28S	3,188	3,746	27.2	13.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : U1

RNA Area: 1,854.8 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 9,202 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 7.30

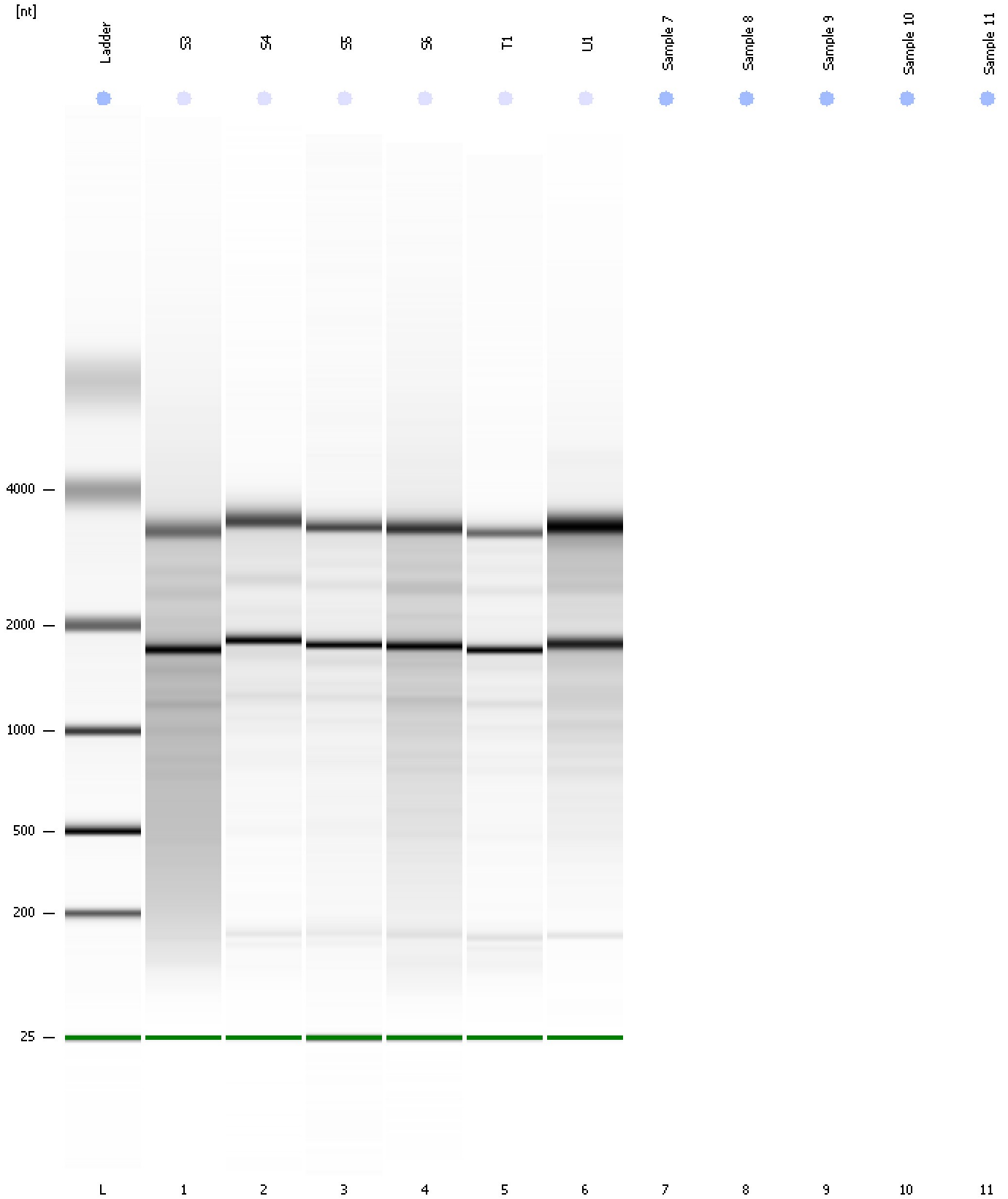
Fragment table for sample 6 : U1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	2,003	220.3	11.9
28S	2,903	3,889	339.7	18.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
Modified: 12/16/2014 3:49:00 PM

Invalid Samples

Sample 7 has not been run, no results available.

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.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad

Created: 12/16/2014 3:33:11 PM
 Modified: 12/16/2014 3:49:00 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		12/16/2014 3:48:57 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-16\2014-12-16_005.xad)		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/16/2014 3:33:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1