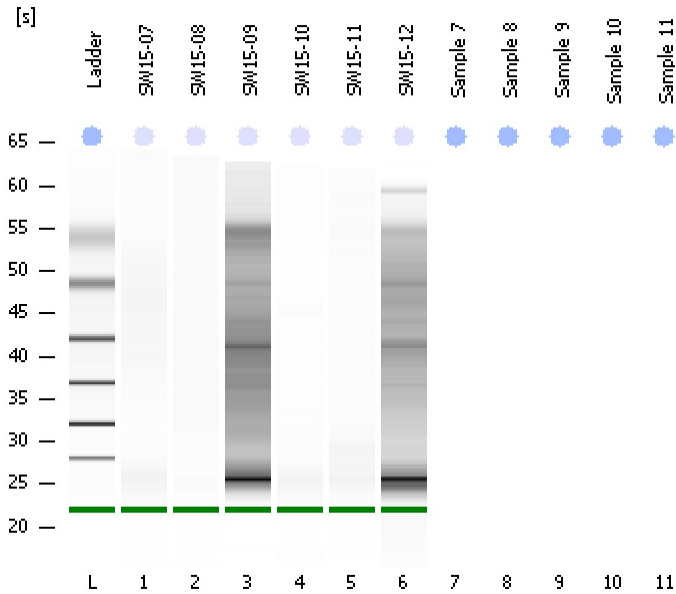


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electrophoresis File Run Summary



Instrument Information:

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

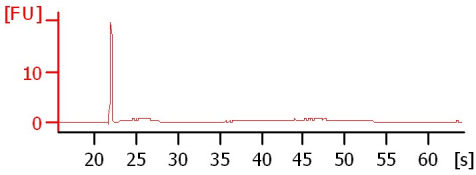
Assay Information:

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.

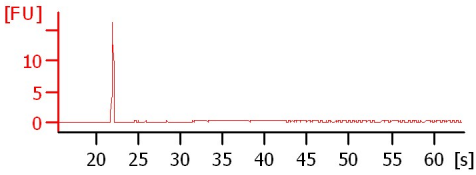
Chip Information:

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

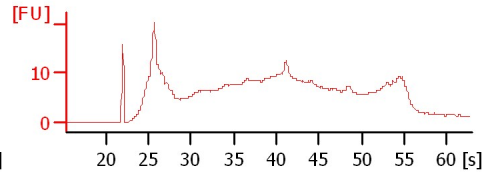
SW15-07
RIN:1



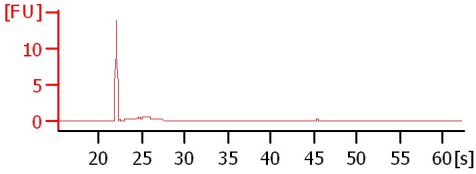
SW15-08
RIN:1



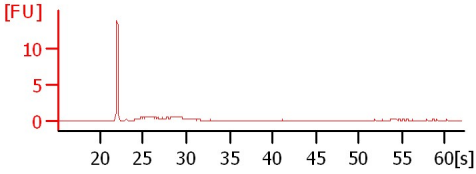
SW15-09
RIN: 2.90



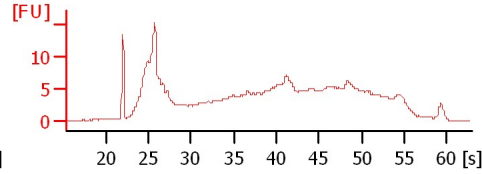
SW15-10
RIN:1



SW15-11
RIN:1



SW15-12
RIN: 2.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
 Modified: 3/11/2015 2:18:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
SW15-07		✓	RIN:1	
SW15-08		✓	RIN:1	
SW15-09		✓	RIN: 2.90	
SW15-10		✓	RIN:1	
SW15-11		✓	RIN:1	
SW15-12		✓	RIN: 2.90	
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\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 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

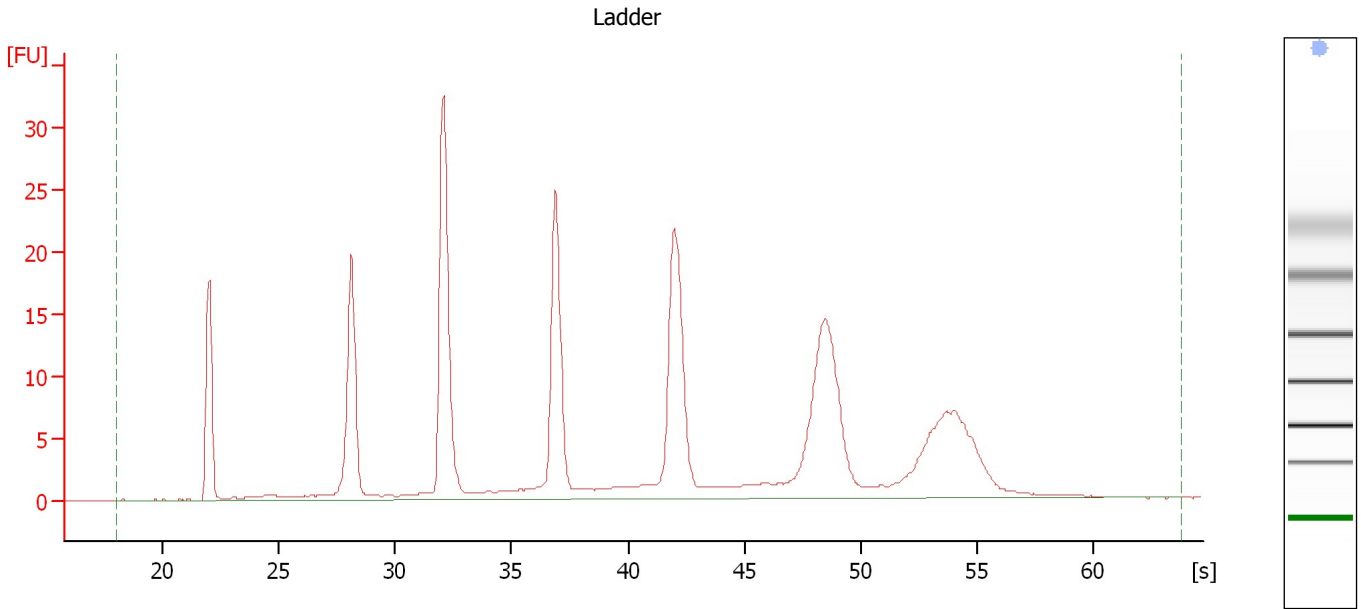
Ladder

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\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary



Overall Results for Ladder

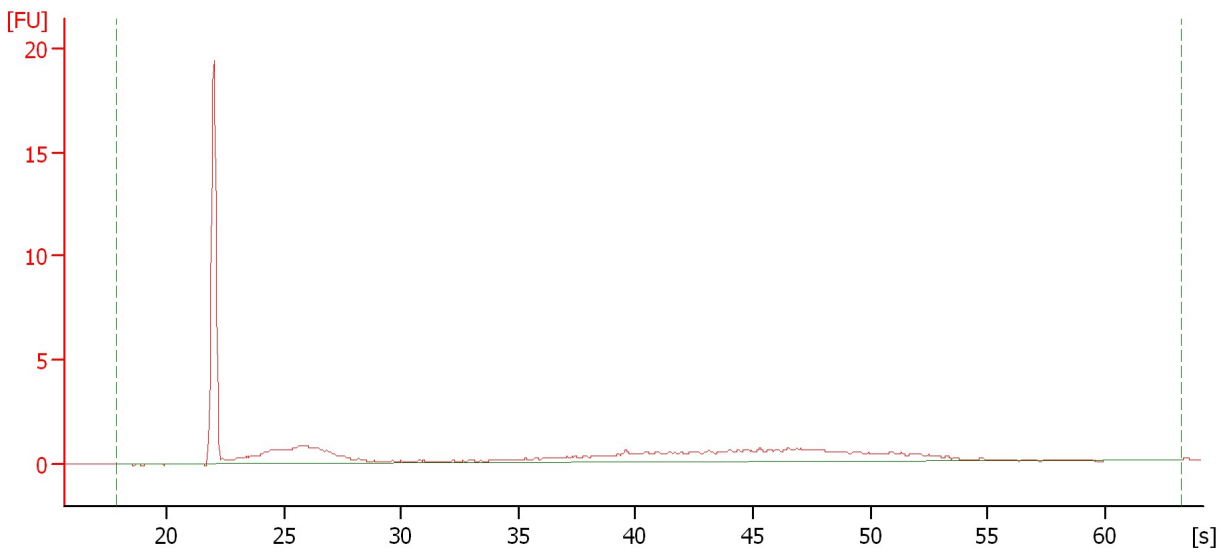
RNA Area:	257.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...

SW15-07



Overall Results for sample 1 : SW15-07

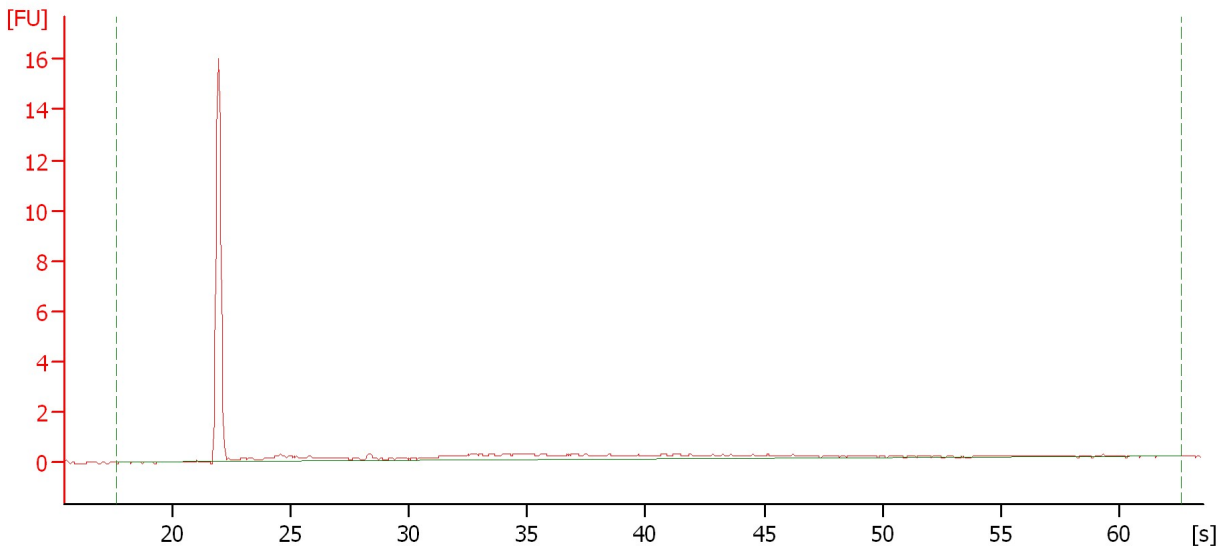
RNA Area:	29.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	115 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...

SW15-08



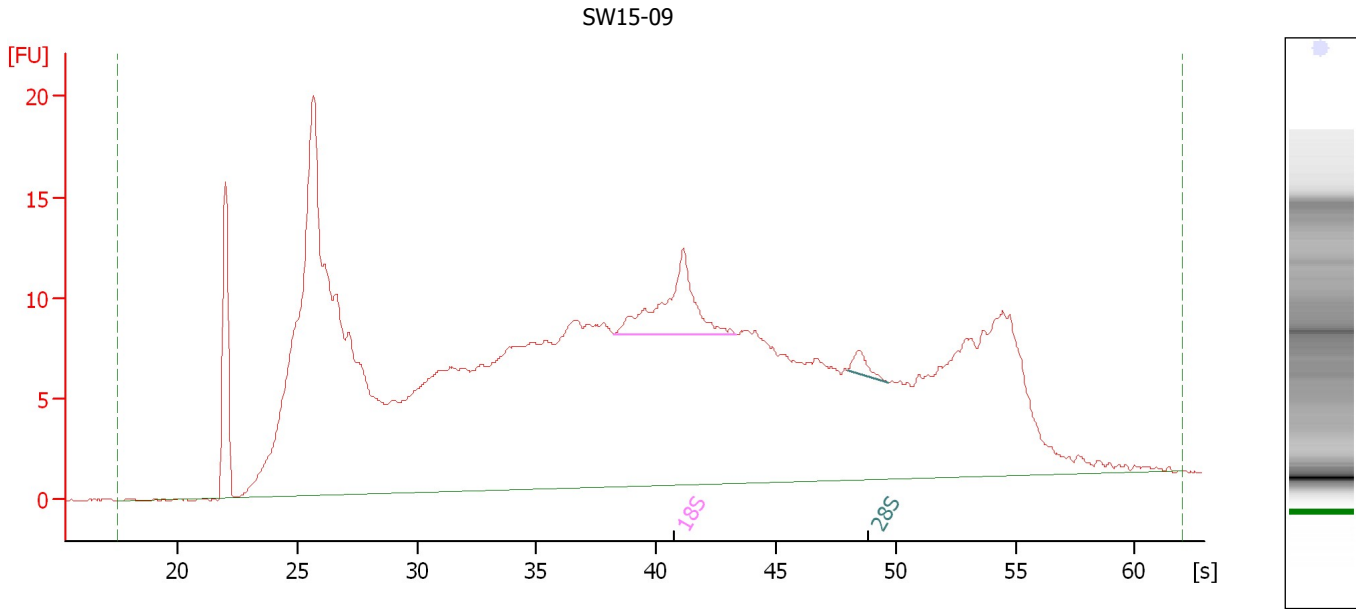
Overall Results for sample 2 : SW15-08

RNA Area:	12.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	50 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SW15-09

RNA Area:	609.8	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	2,365 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.90

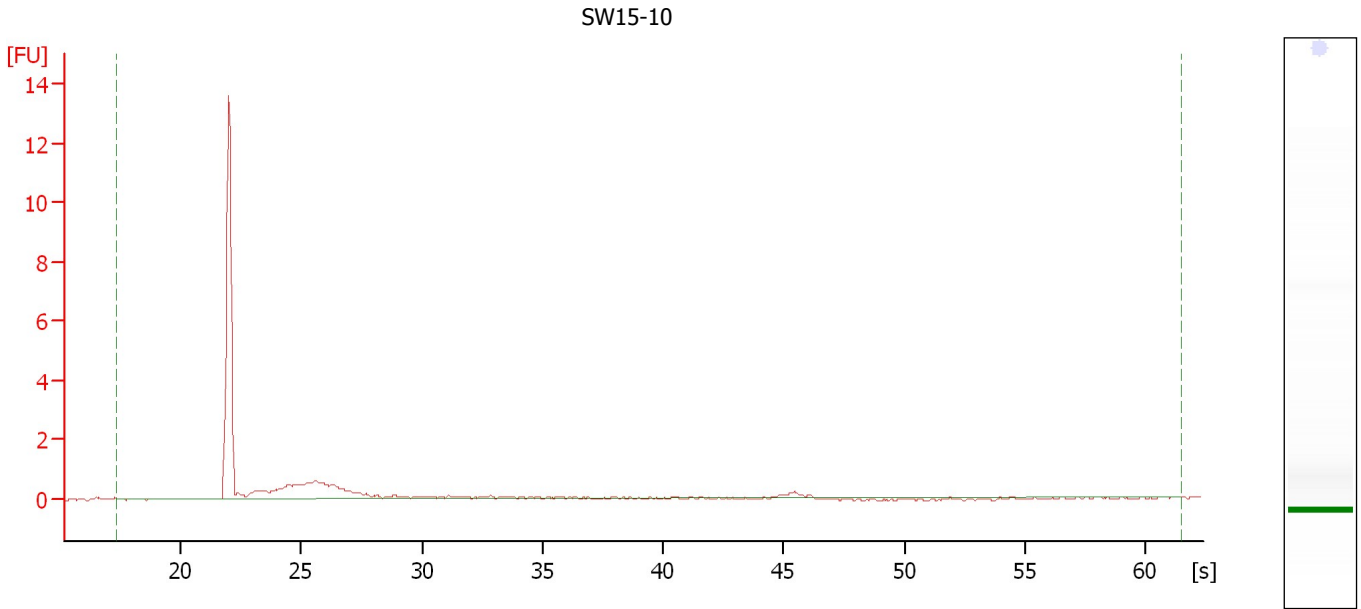
Fragment table for sample 3 : SW15-09

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.21	43.33	15.2	2.5
28S	48.00	49.66	1.8	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SW15-10

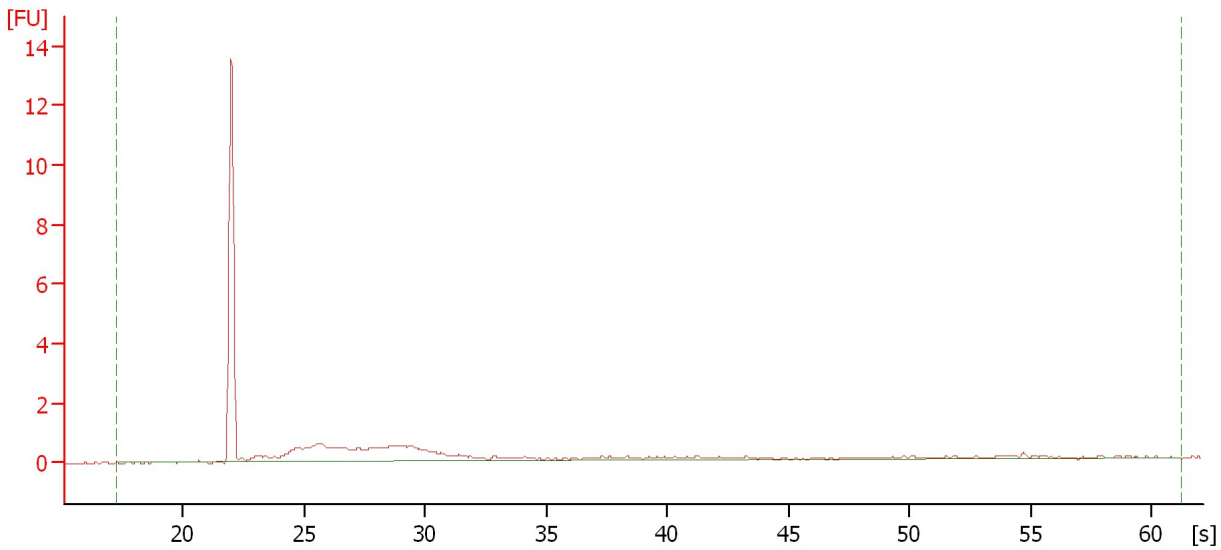
RNA Area:	8.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	31 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...

SW15-11



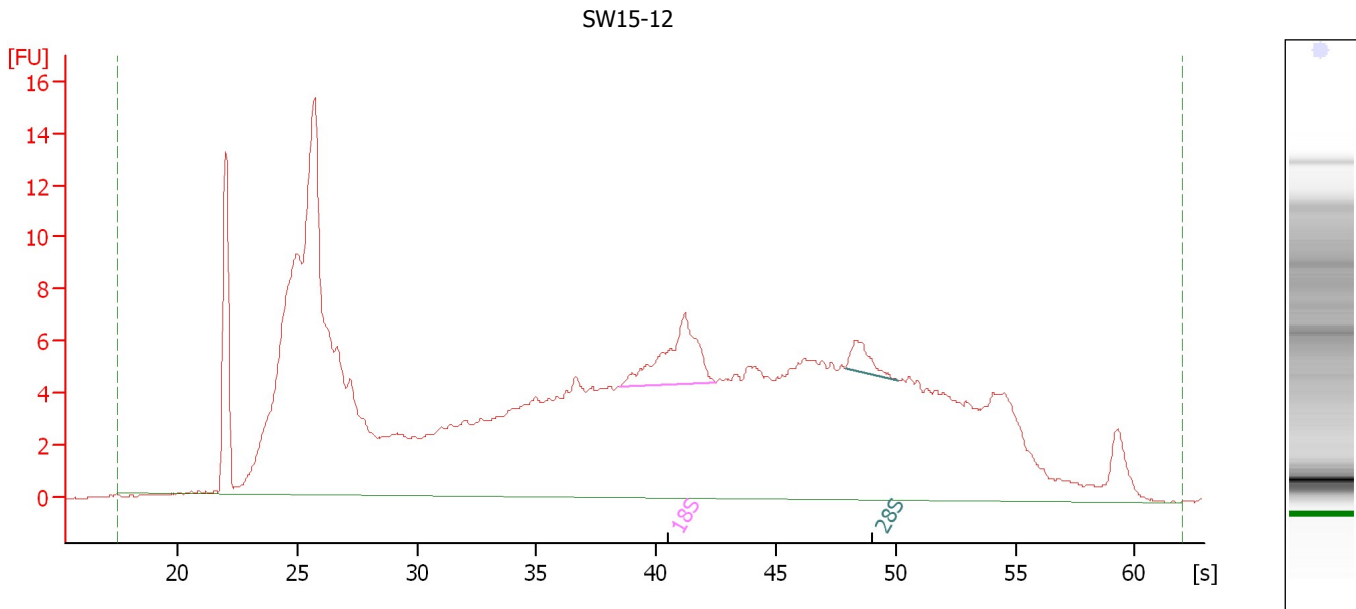
Overall Results for sample 5 : SW15-11

RNA Area:	16.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	63 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
 Modified: 3/11/2015 2:18:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SW15-12

RNA Area:	403.6	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	1,565 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.90

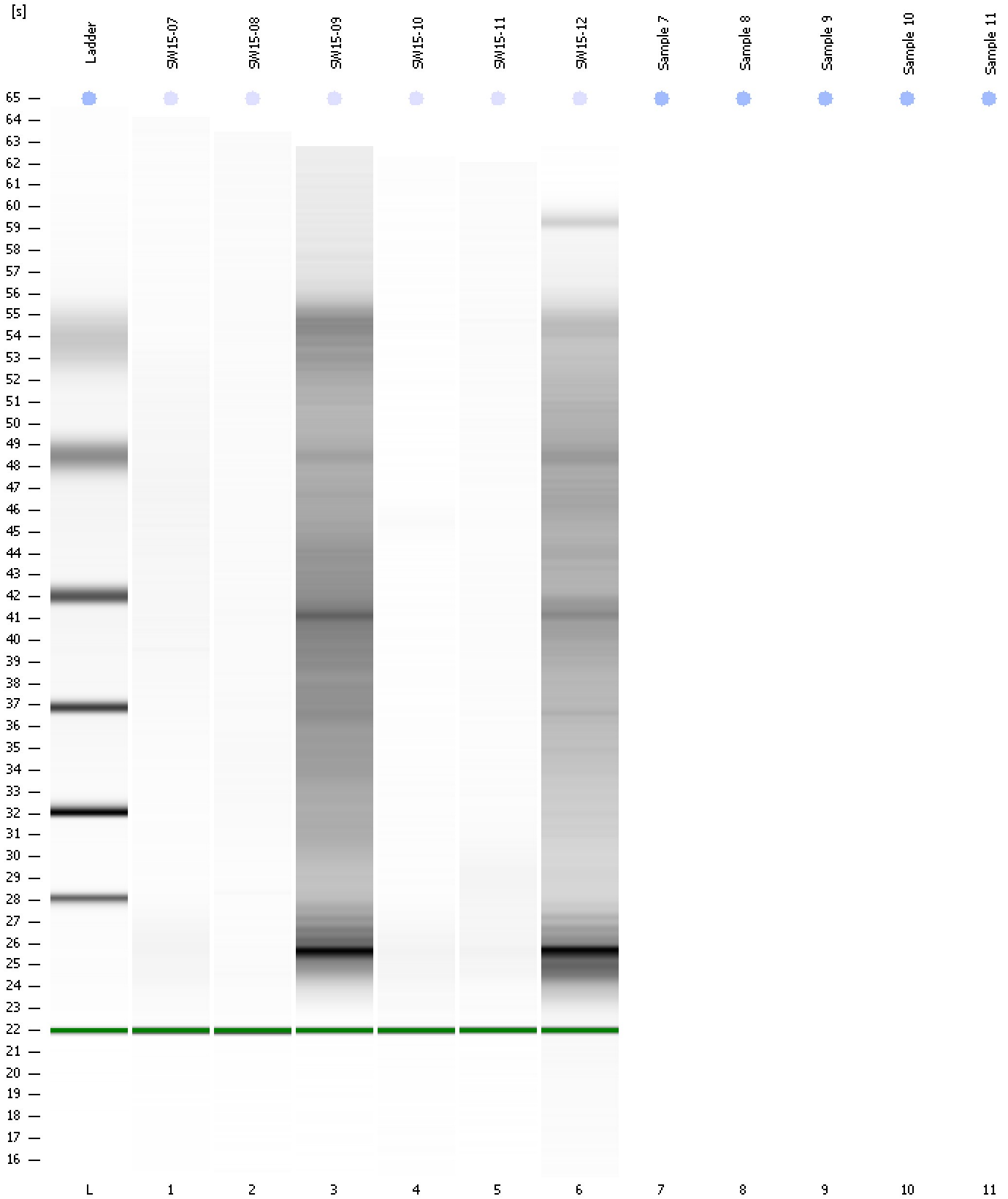
Fragment table for sample 6 : SW15-12

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.48	42.47	10.3	2.6
28S	47.91	50.11	2.3	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
Modified: 3/11/2015 2:18:39 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\2015-03-11\2015-03-11_001.xad

Created: 3/11/2015 2:02:51 PM
 Modified: 3/11/2015 2:18:39 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		3/11/2015 4:18:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-03-11\2015-03-11_001.xad)		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/11/2015 4:02:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1