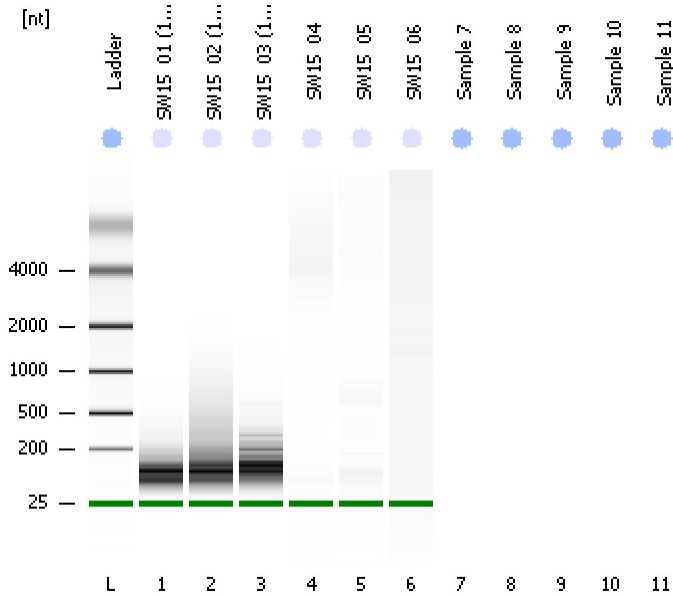


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

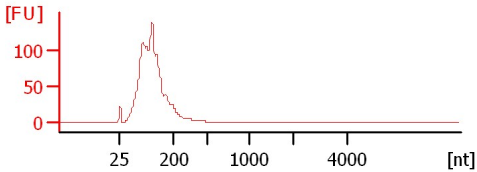
Assay Information:

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)
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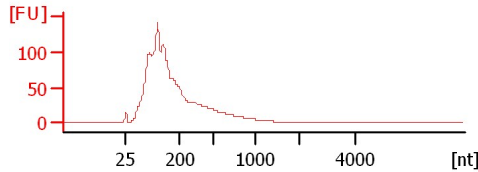
Chip Information:

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

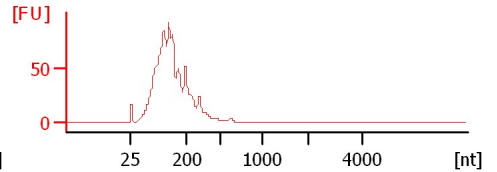
SW15_01 (1:80)
Total RNA
RIN: 2.50



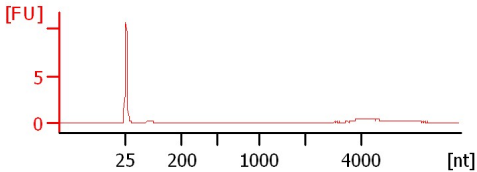
SW15_02 (1:120)
Total RNA
RIN: 2.30



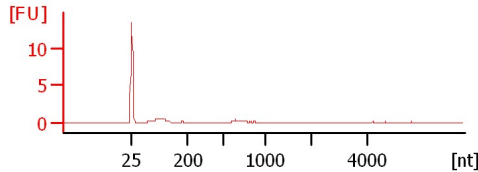
SW15_03 (1:40)
Total RNA
RIN: 2.50



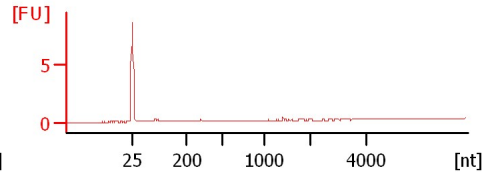
SW15_04
Total RNA
RIN: 1



SW15_05
Total RNA
RIN: 1



SW15_06
Total RNA
RIN: 5.60



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
SW15_01 (1:80)	Total RNA	✓	RIN: 2.50	
SW15_02 (1:120)	Total RNA	✓	RIN: 2.30	
SW15_03 (1:40)	Total RNA	✓	RIN: 2.50	
SW15_04	Total RNA	✓	RIN:1	
SW15_05	Total RNA	✓	RIN:1	
SW15_06	Total RNA	✓	RIN: 5.60	
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\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 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

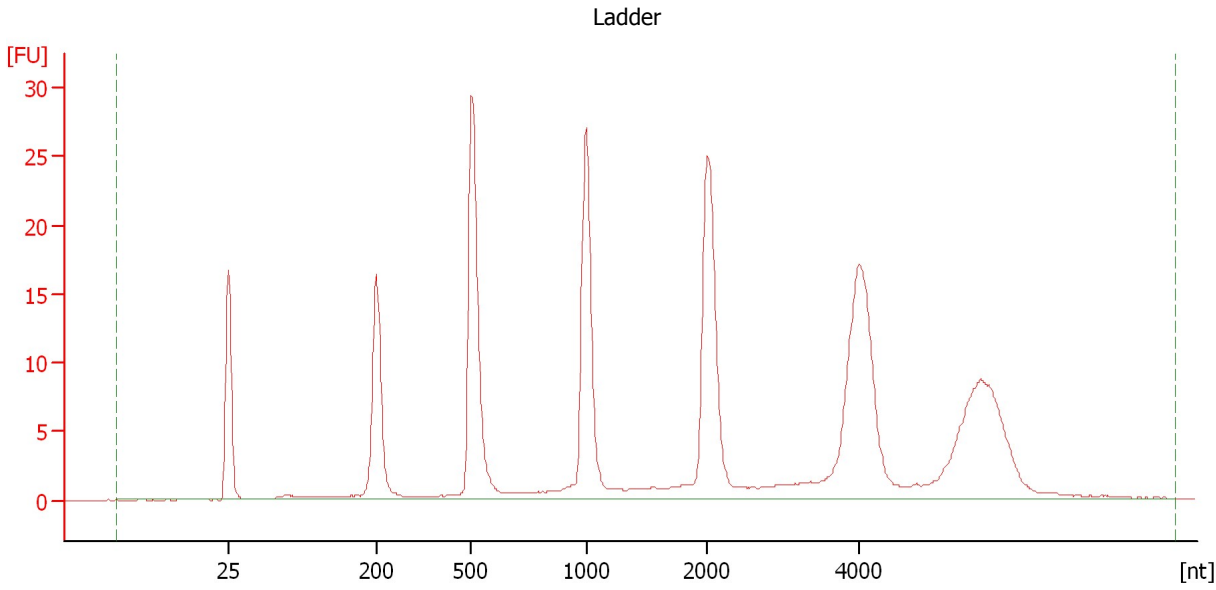
Ladder

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\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary



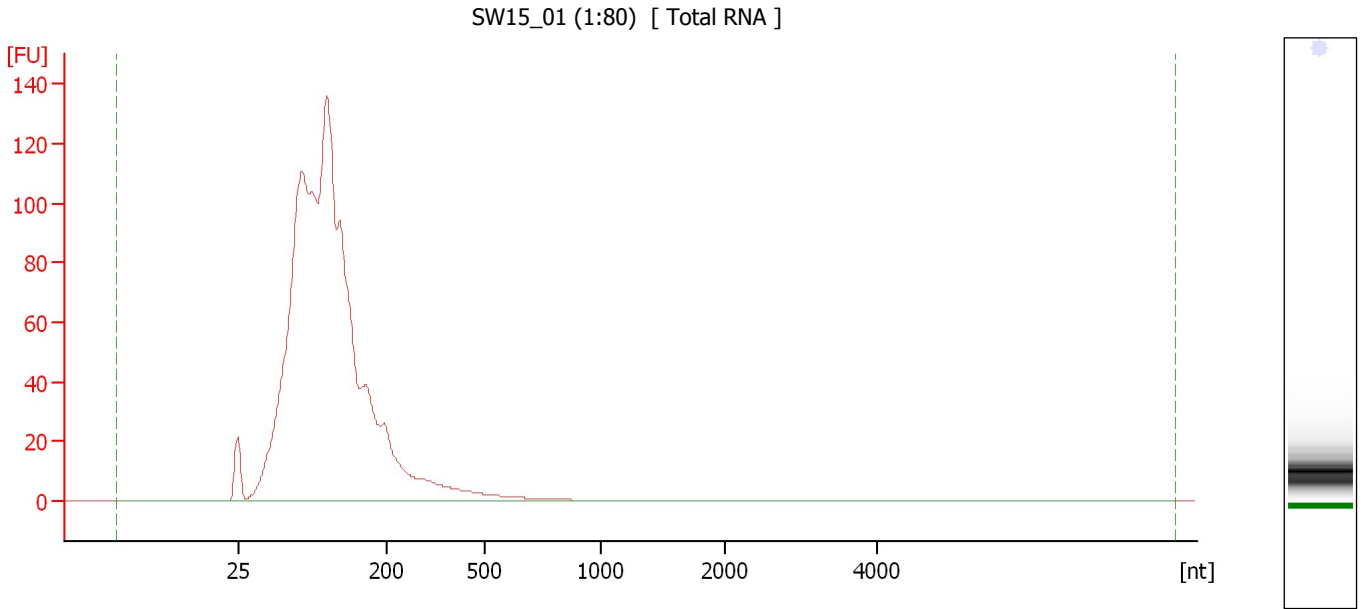
Overall Results for Ladder

RNA Area:	249.6	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\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...



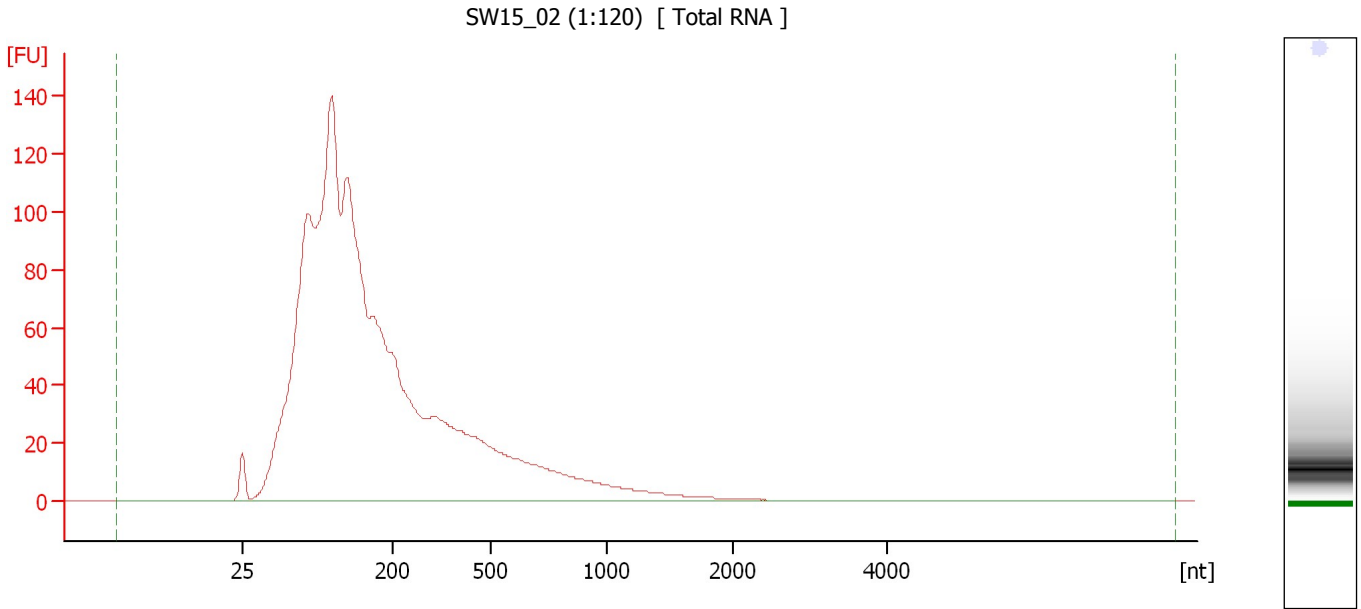
Overall Results for sample 1 : SW15_01 (1:80)

RNA Area:	1,447.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	5,798 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...



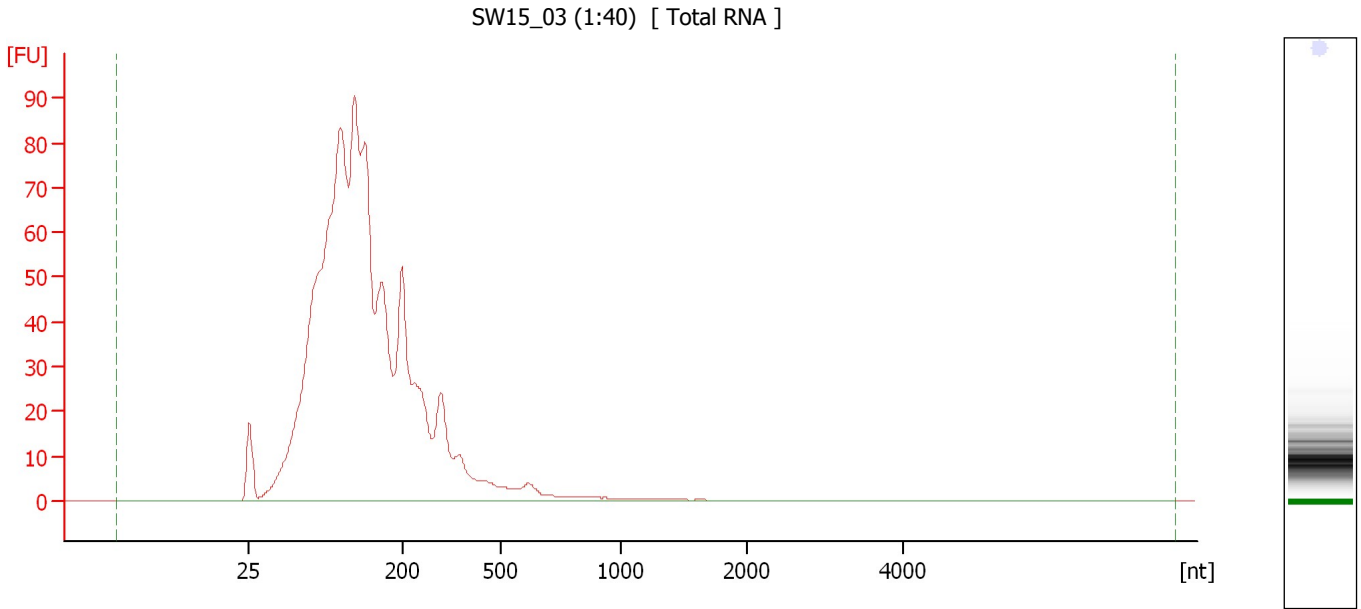
Overall Results for sample 2 : SW15_02 (1:120)

RNA Area:	2,064.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	8,272 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SW15_03 (1:40)

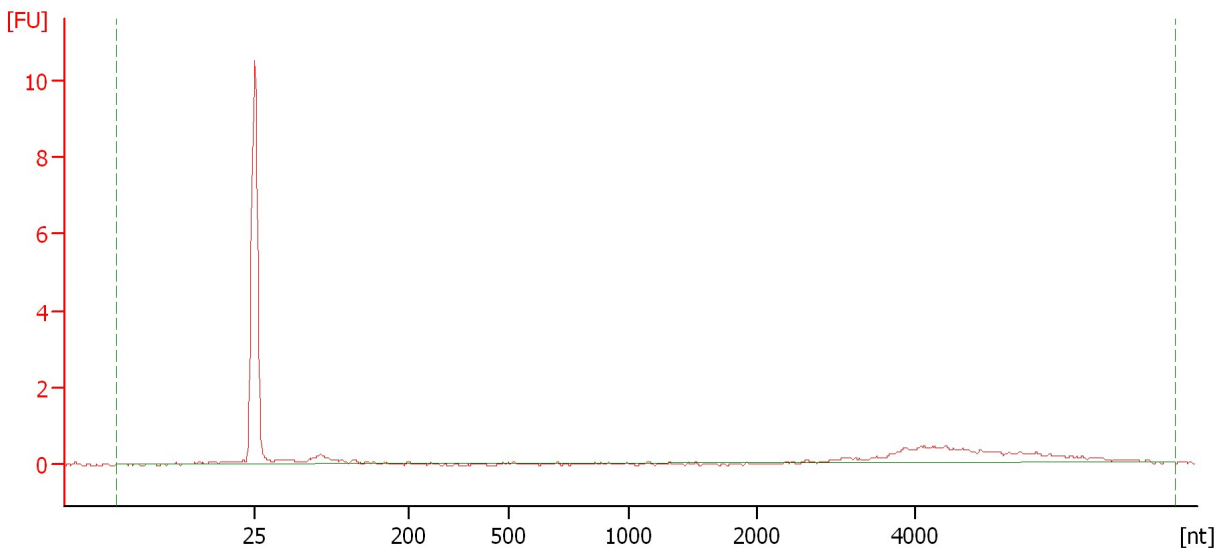
RNA Area:	1,163.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	4,663 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...

SW15_04 [Total RNA]



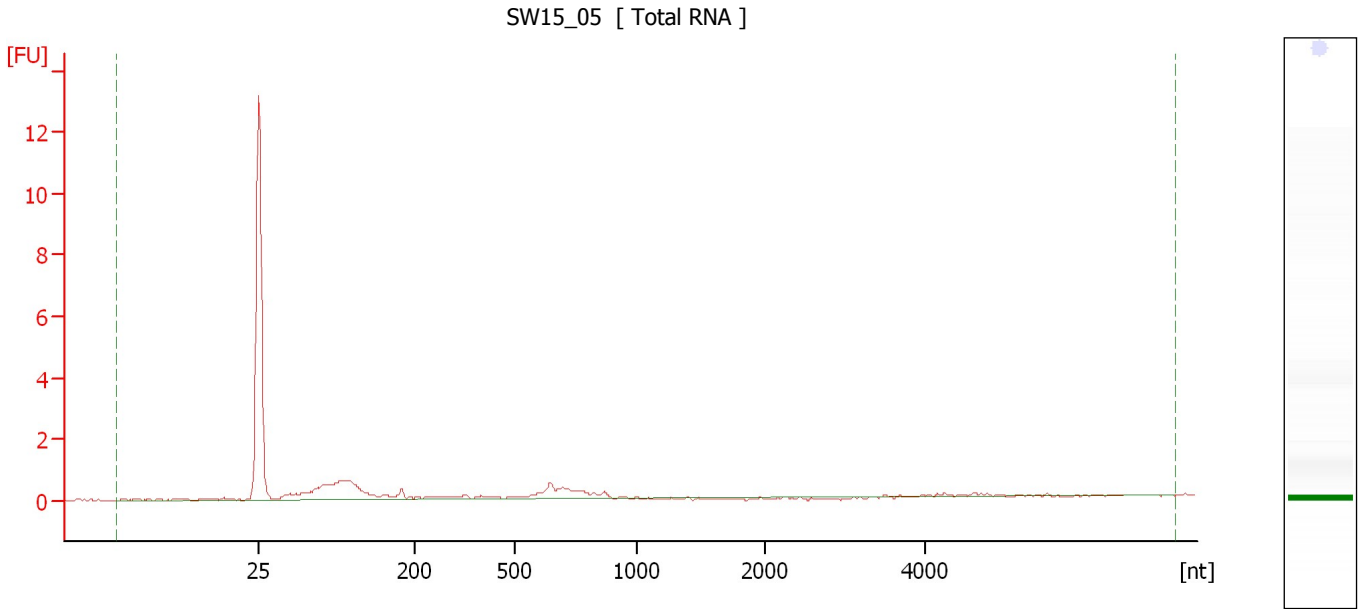
Overall Results for sample 4 : SW15_04

RNA Area:	6.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	27 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\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SW15_05

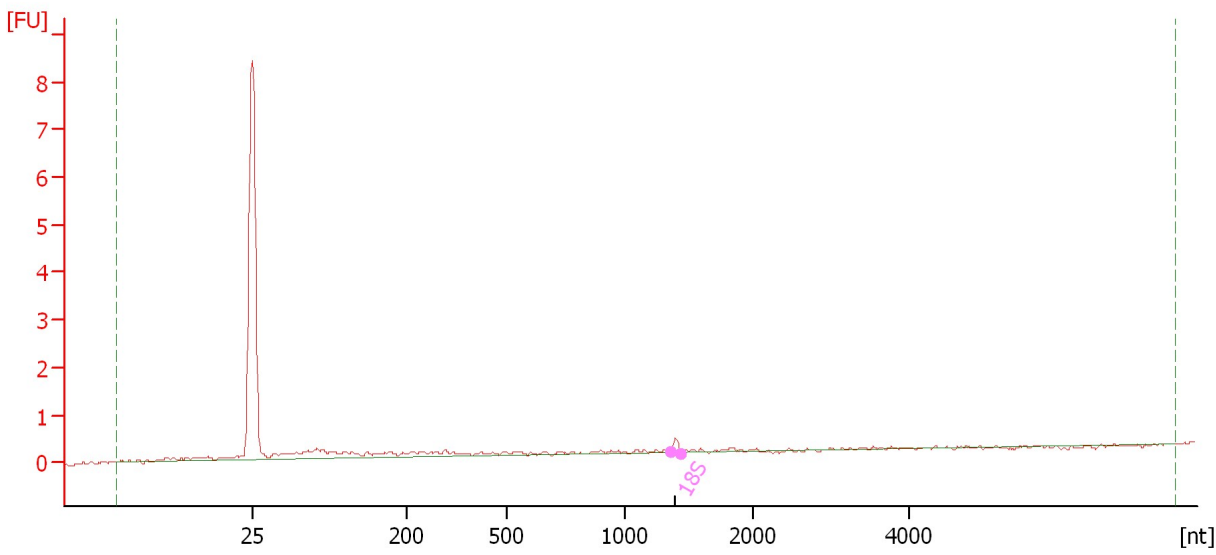
RNA Area:	10.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	44 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Electropherogram Summary Continued ...

SW15_06 [Total RNA]



Overall Results for sample 6 : SW15_06

RNA Area:	5.1	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	20 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

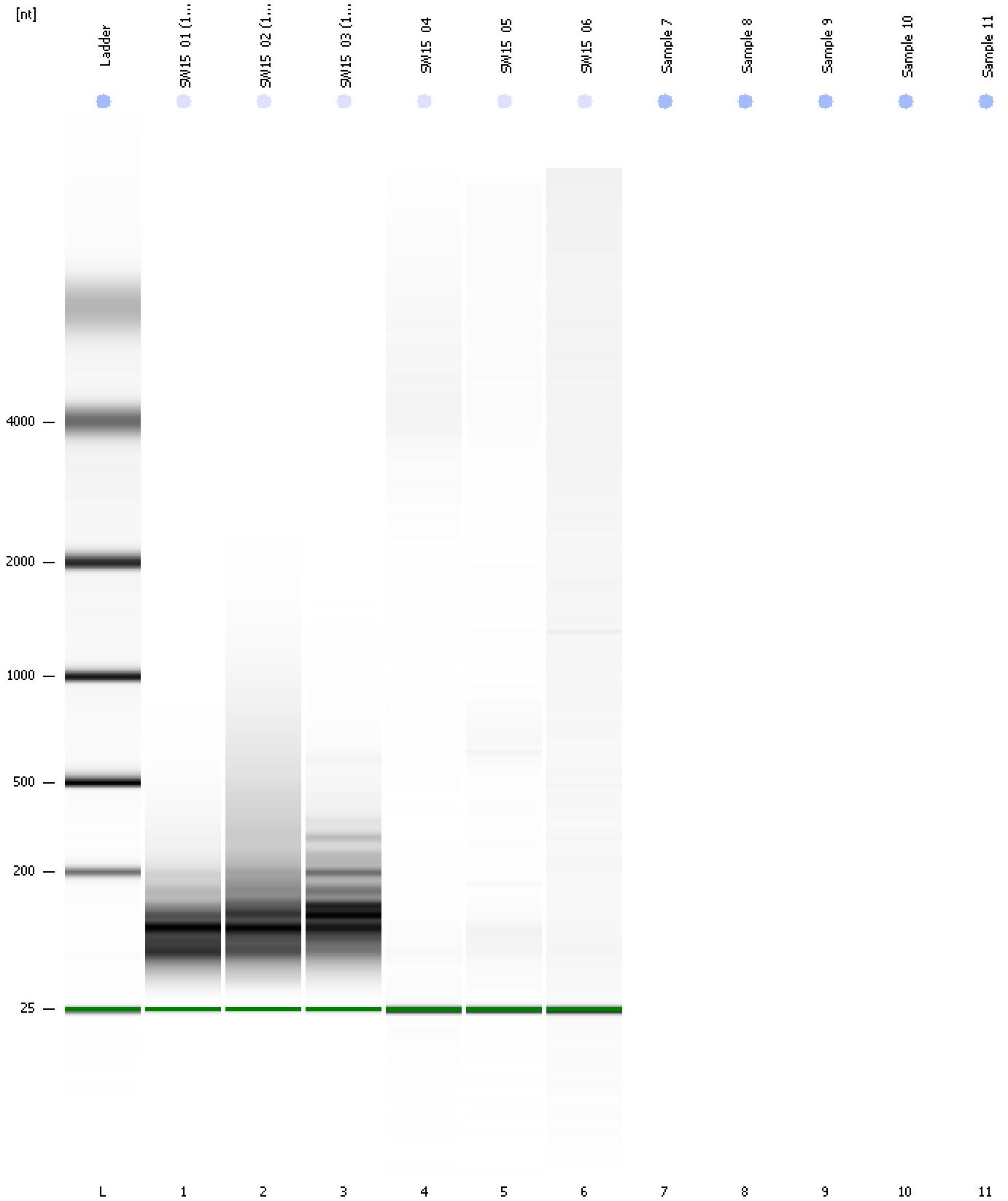
Fragment table for sample 6 : SW15_06

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,354	1,438	0.2	3.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
Modified: 2/9/2015 1:40:22 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\2015-02-09\2015-02-09_003.xad

Created: 2/9/2015 1:24:37 PM
 Modified: 2/9/2015 1:40:22 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		2/9/2015 1:40:21 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-09\2015-02-09_003.xad)		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/9/2015 1:24:43 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1