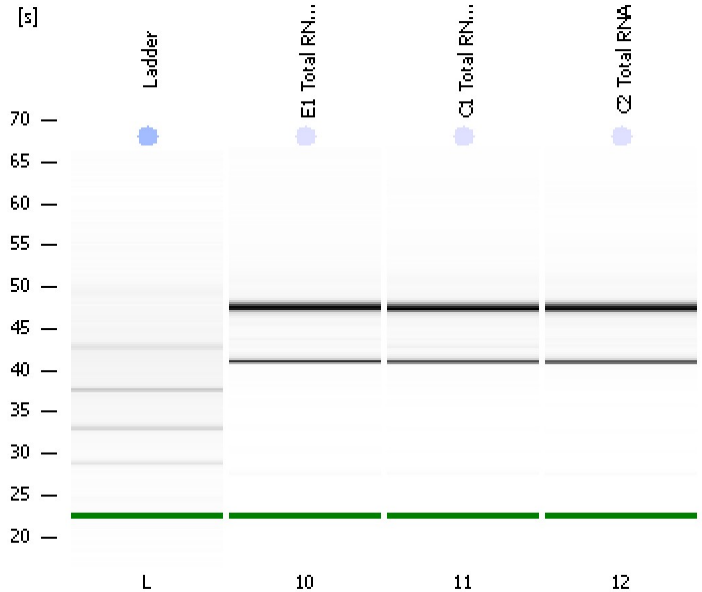


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
Modified: 4/25/2013 12:13:25 PM

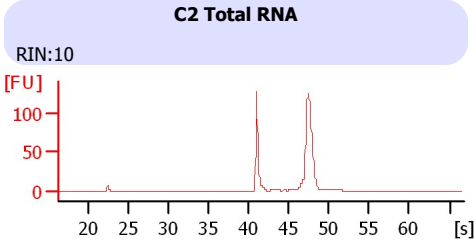
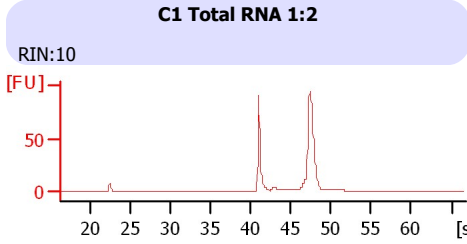
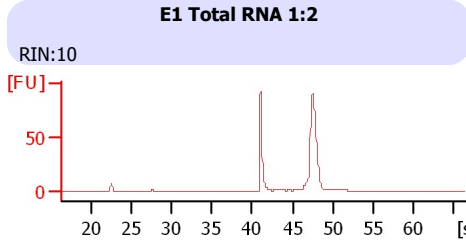
Electrophoresis File Run Summary



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)

Chip Information:
 Chip Lot #:
 Reagent Kit Lot #:
 Chip Comments:
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Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
 Modified: 4/25/2013 12:13:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
E1 Total RNA 1:2		✓	RIN:10	
C1 Total RNA 1:2		✓	RIN:10	
C2 Total RNA		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
Modified: 4/25/2013 12:13:25 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

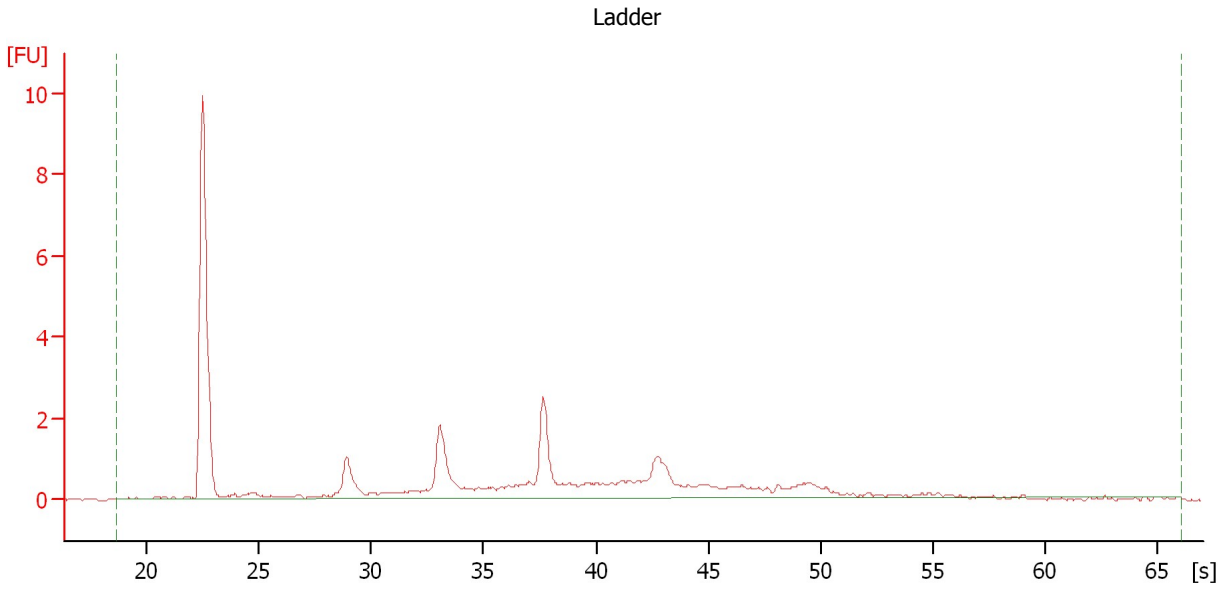
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
Modified: 4/25/2013 12:13:25 PM

Electropherogram Summary



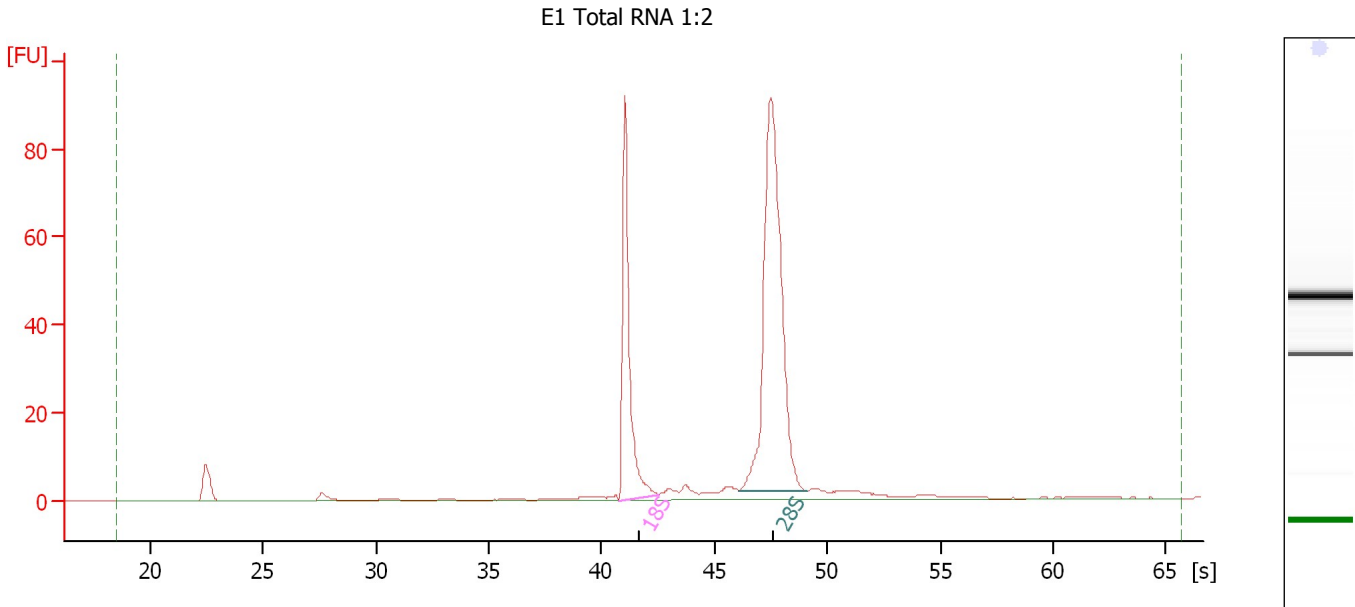
Overall Results for Ladder

RNA Area:	23.1	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
 Modified: 4/25/2013 12:13:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : E1 Total RNA 1:2

RNA Area:	302.1	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,959 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

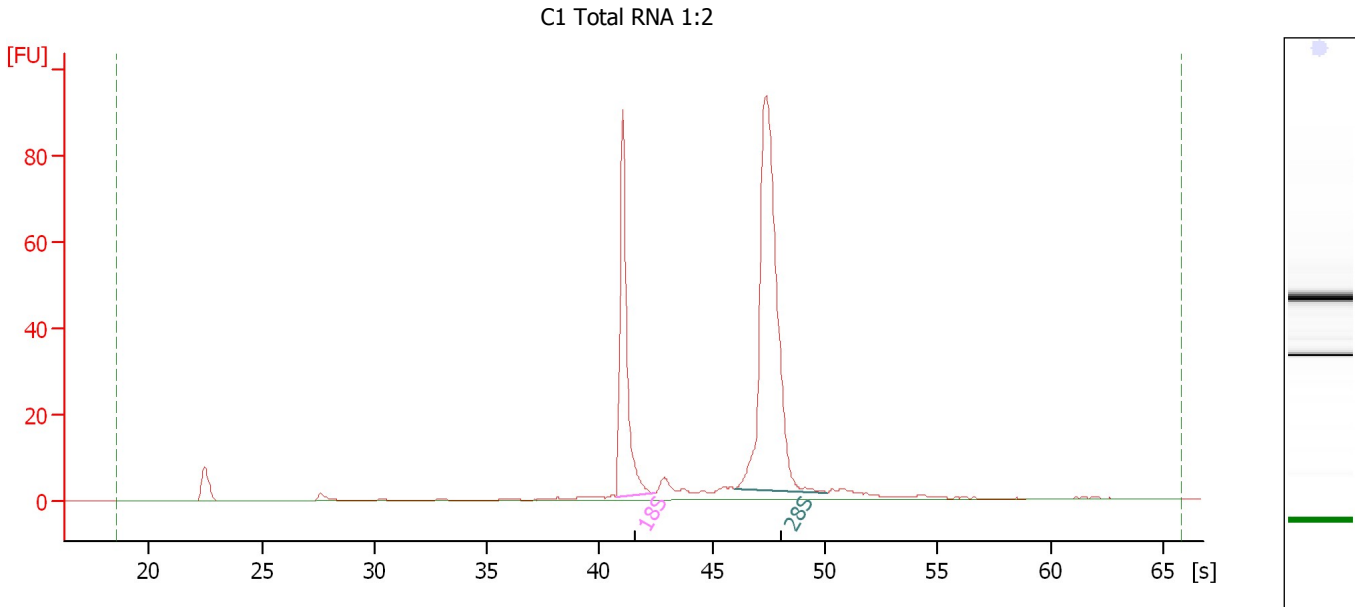
Fragment table for sample 10 : E1 Total RNA 1:2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.77	42.53	78.8	26.1
28S	46.09	49.14	165.6	54.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
 Modified: 4/25/2013 12:13:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : C1 Total RNA 1:2

RNA Area:	304.5	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,974 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

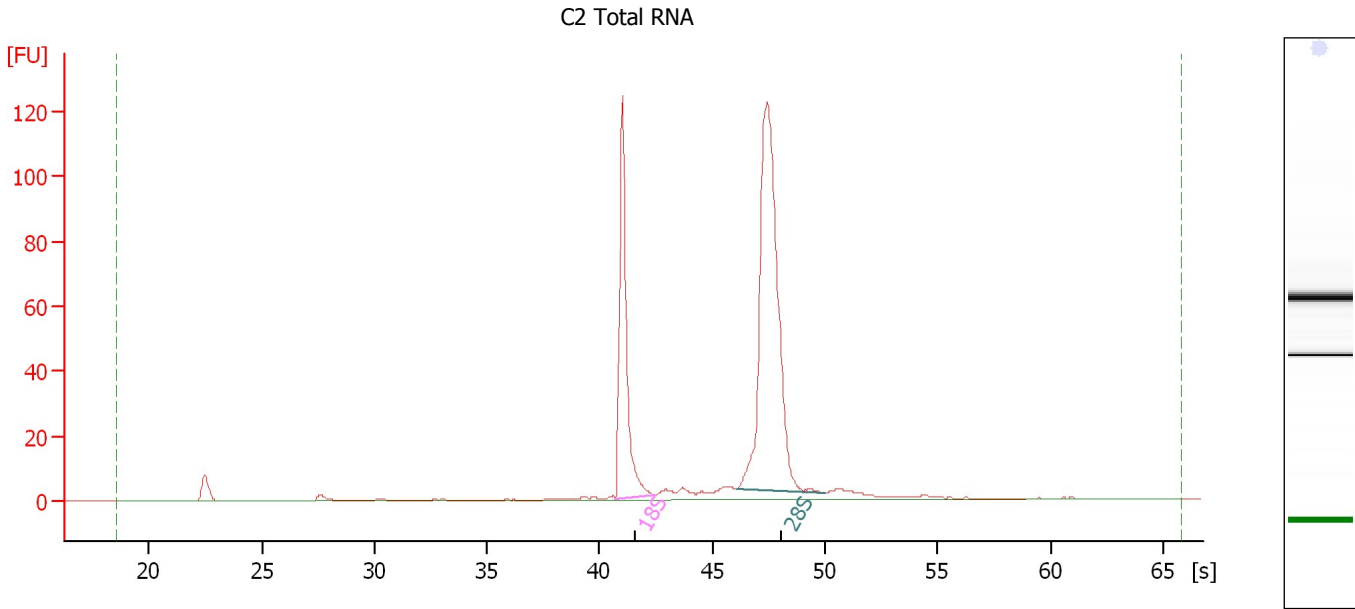
Fragment table for sample 11 : C1 Total RNA 1:2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.76	42.43	77.7	25.5
28S	46.00	50.05	165.2	54.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
 Modified: 4/25/2013 12:13:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : C2 Total RNA

RNA Area:	412.8	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	2,677 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

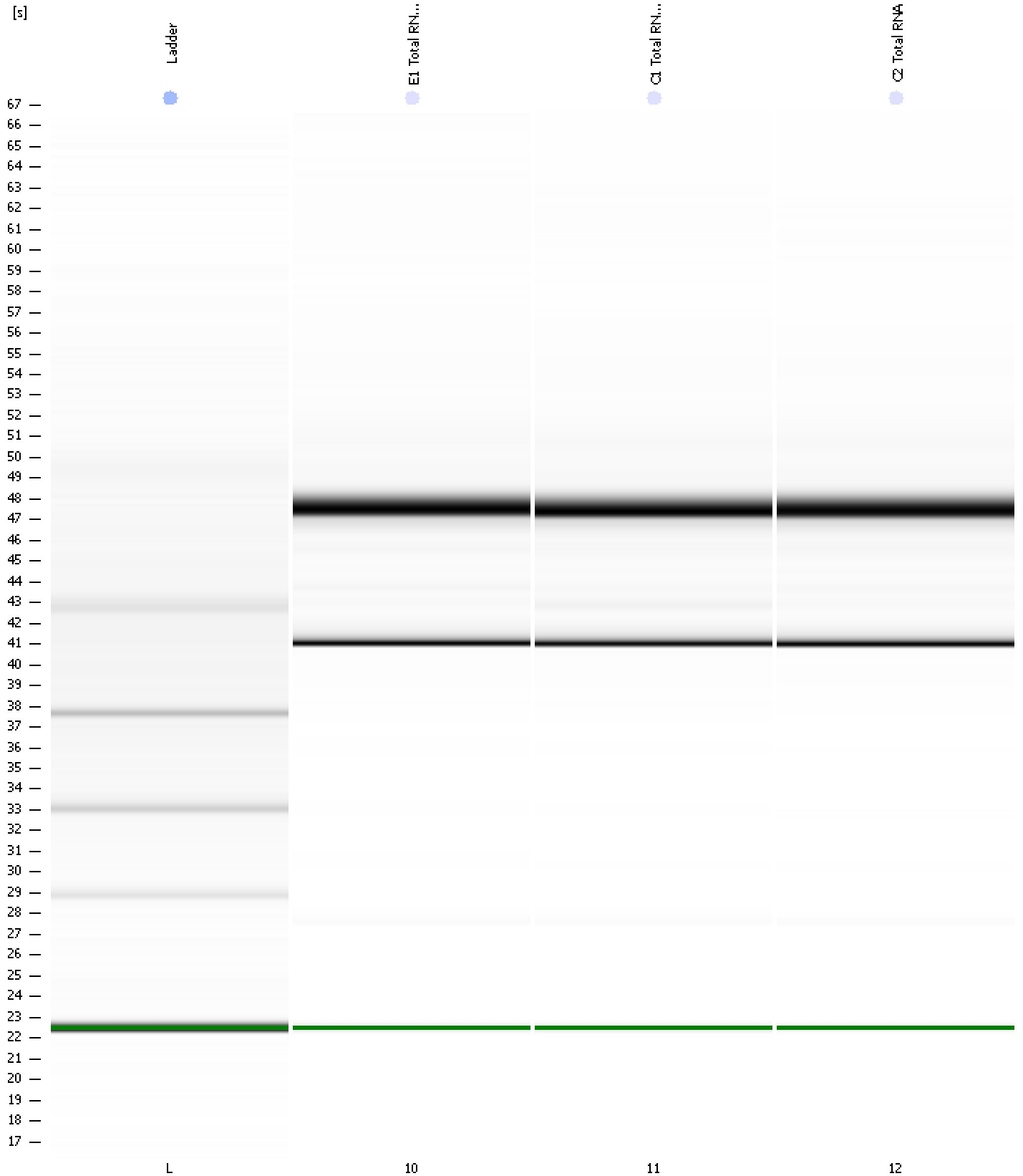
Fragment table for sample 12 : C2 Total RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.71	42.47	106.7	25.8
28S	46.10	50.01	228.4	55.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
Modified: 4/25/2013 12:13:25 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ings\Bioanalyzer\2013-04-25\2013-04-25_003_E_C_TotalRNA.xad

Created: 4/25/2013 11:36:31 AM
 Modified: 4/25/2013 12:13:25 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		4/25/2013 12:00:20 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-25\2013-04-25_003.xad)		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/25/2013 11:36:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1