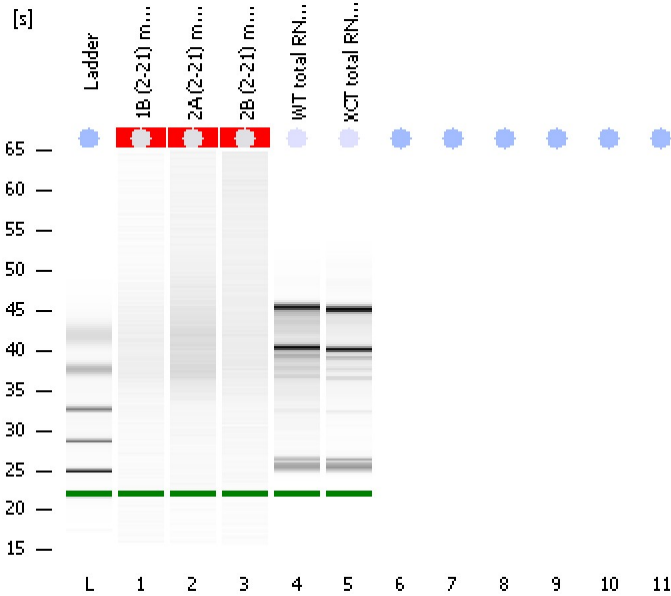


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
 Modified: 8/27/2014 9:32:19 AM

Electrophoresis File Run Summary



Instrument Information:

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

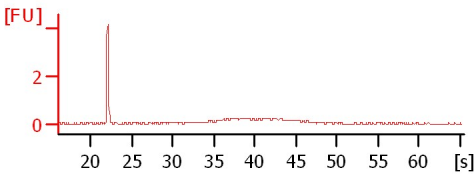
Assay Information:

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.

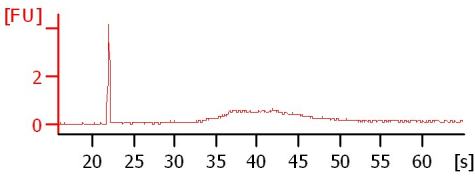
Chip Information:

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

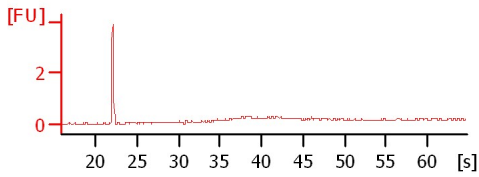
1B (2-21) mRNA
 RIN N/A



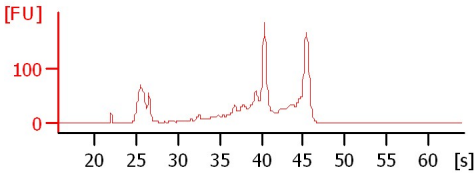
2A (2-21) mRNA
 RIN N/A



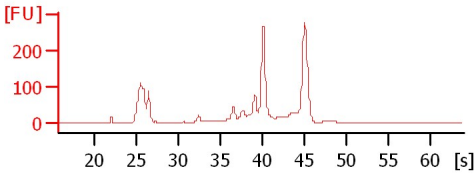
2B (2-21) mRNA
 RIN N/A



WT total RNA (1:60)
 RIN: 6.90



XCT total RNA (1:80)
 RIN: 7.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
 Modified: 8/27/2014 9:32:19 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1B (2-21) mRNA		✓	RIN N/A	
2A (2-21) mRNA		✓	RIN N/A	
2B (2-21) mRNA		✓	RIN N/A	
WT total RNA (1:60)		✓	RIN: 6.90	
XCT total RNA (1:80)		✓	RIN: 7.70	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

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

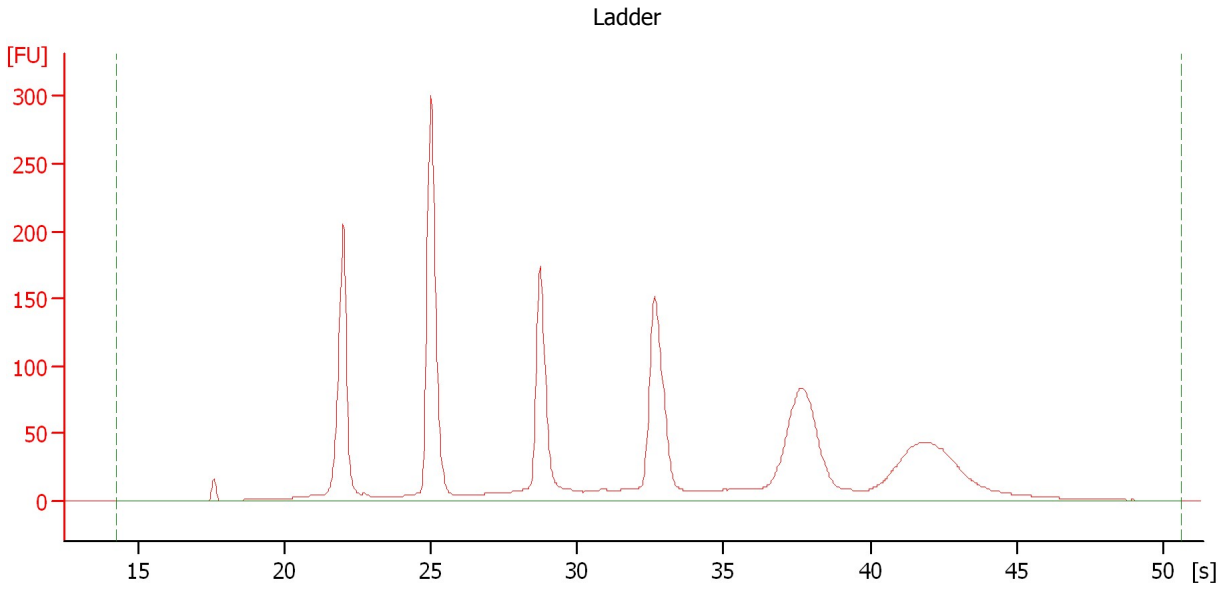
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary



Overall Results for Ladder

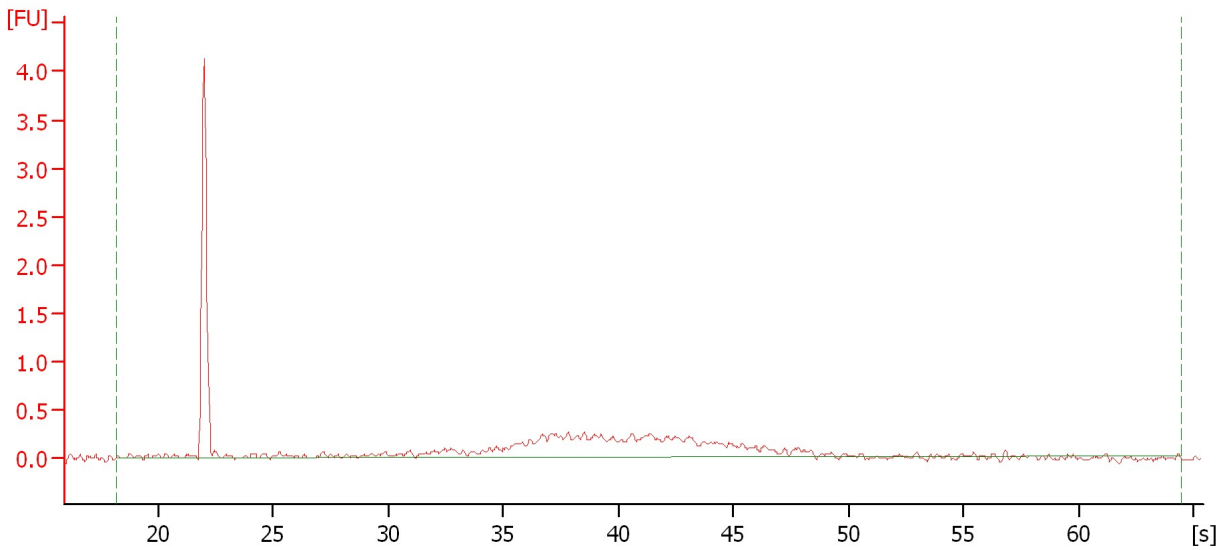
RNA Area:	1,770.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary Continued ...

1B (2-21) mRNA



Overall Results for sample 1 : 1B (2-21) mRNA

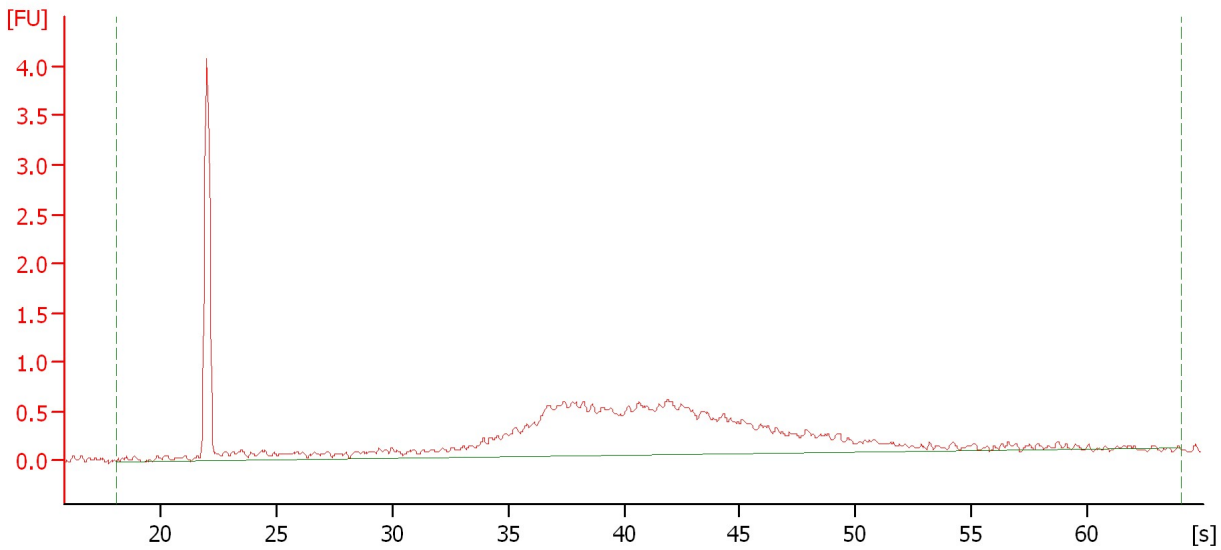
RNA Area:	6.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary Continued ...

2A (2-21) mRNA



Overall Results for sample 2 : 2A (2-21) mRNA

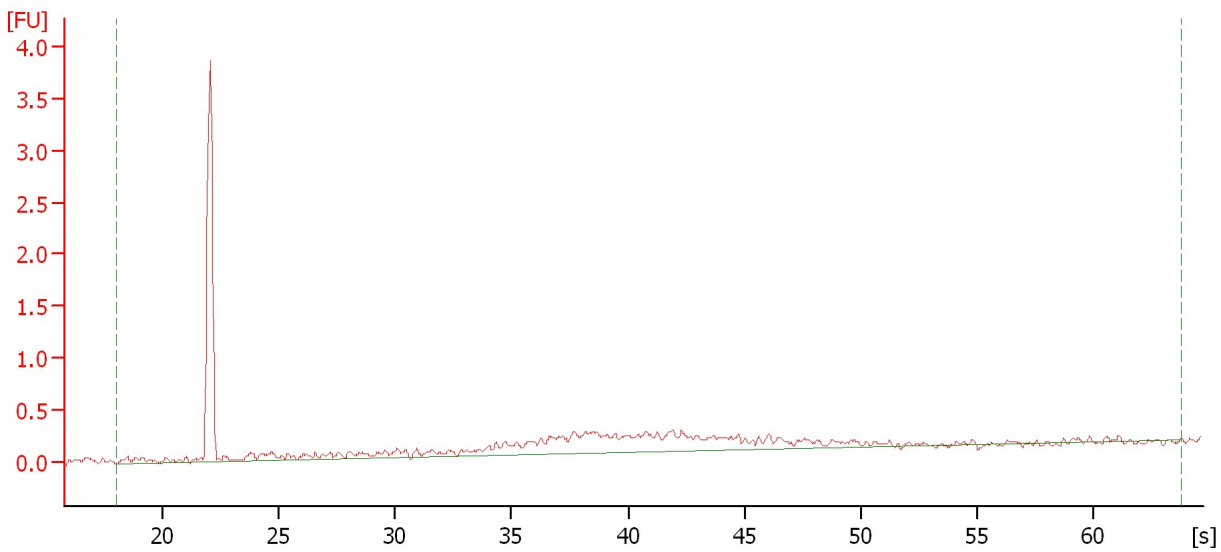
RNA Area:	17.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad


Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary Continued ...

2B (2-21) mRNA



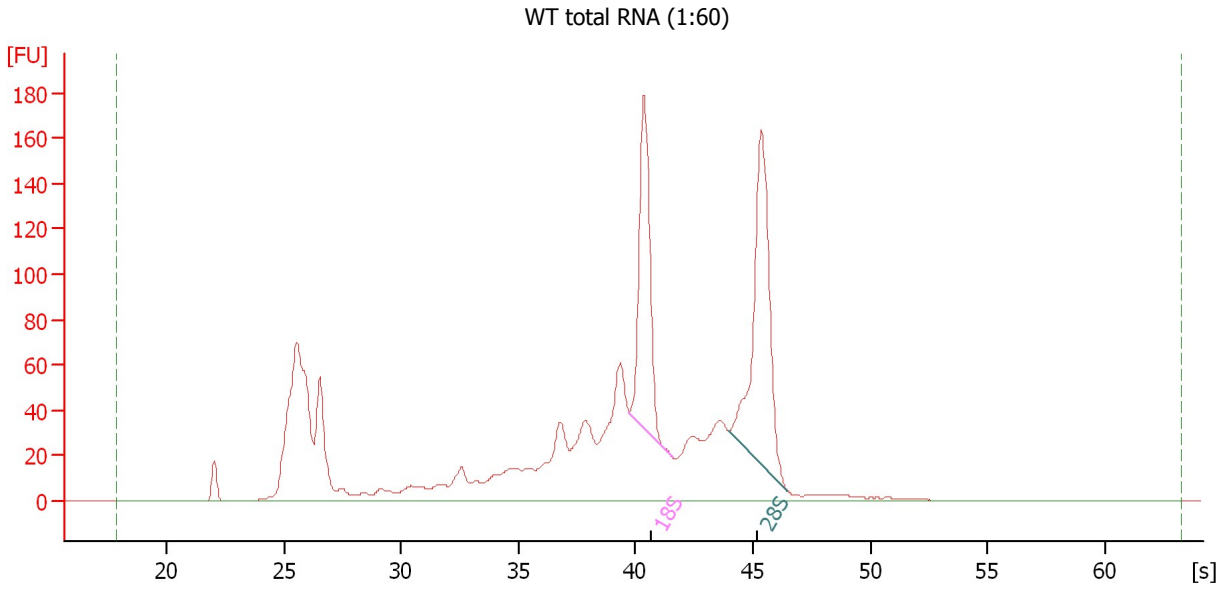
Overall Results for sample 3 : 2B (2-21) mRNA

RNA Area:	6.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
 Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : WT total RNA (1:60)

RNA Area:	1,743.1	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	985 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.90

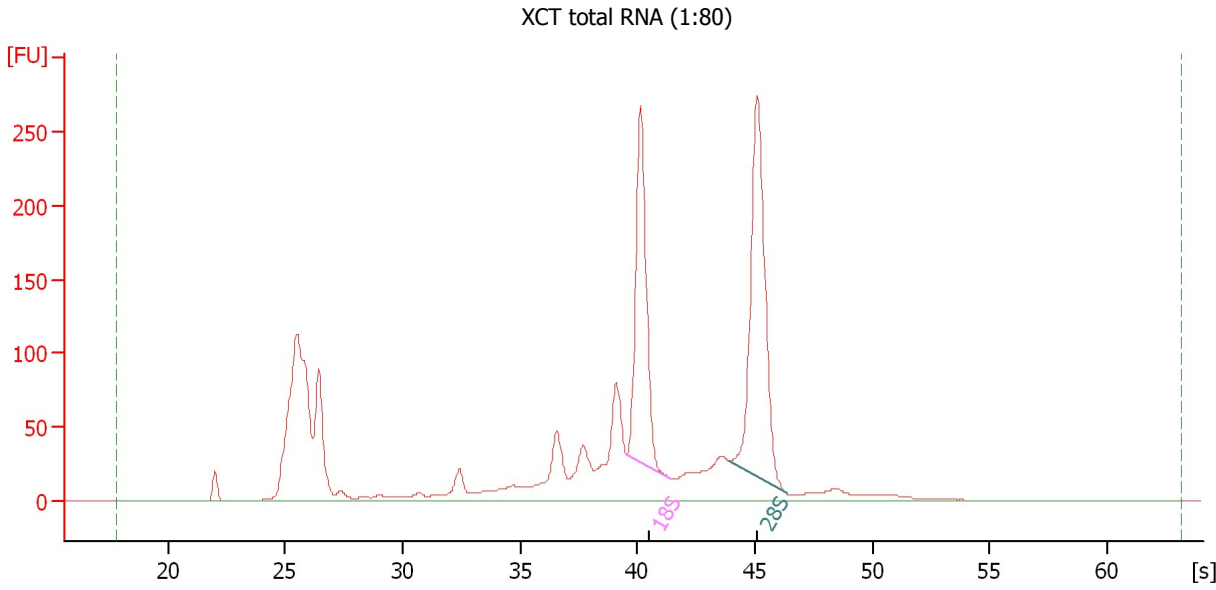
Fragment table for sample 4 : WT total RNA (1:60)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.74	41.57	188.1	10.8
28S	44.00	46.48	254.6	14.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
 Modified: 8/27/2014 9:32:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : XCT total RNA (1:80)

RNA Area:	2,121.9	RNA Integrity Number (RIN):	7.7 (B.02.08,
RNA Concentration:	1,199 pg/μl		Anomaly Threshold(s)
rRNA Ratio [28s / 18s]:	1.3		manually adapted)
		Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

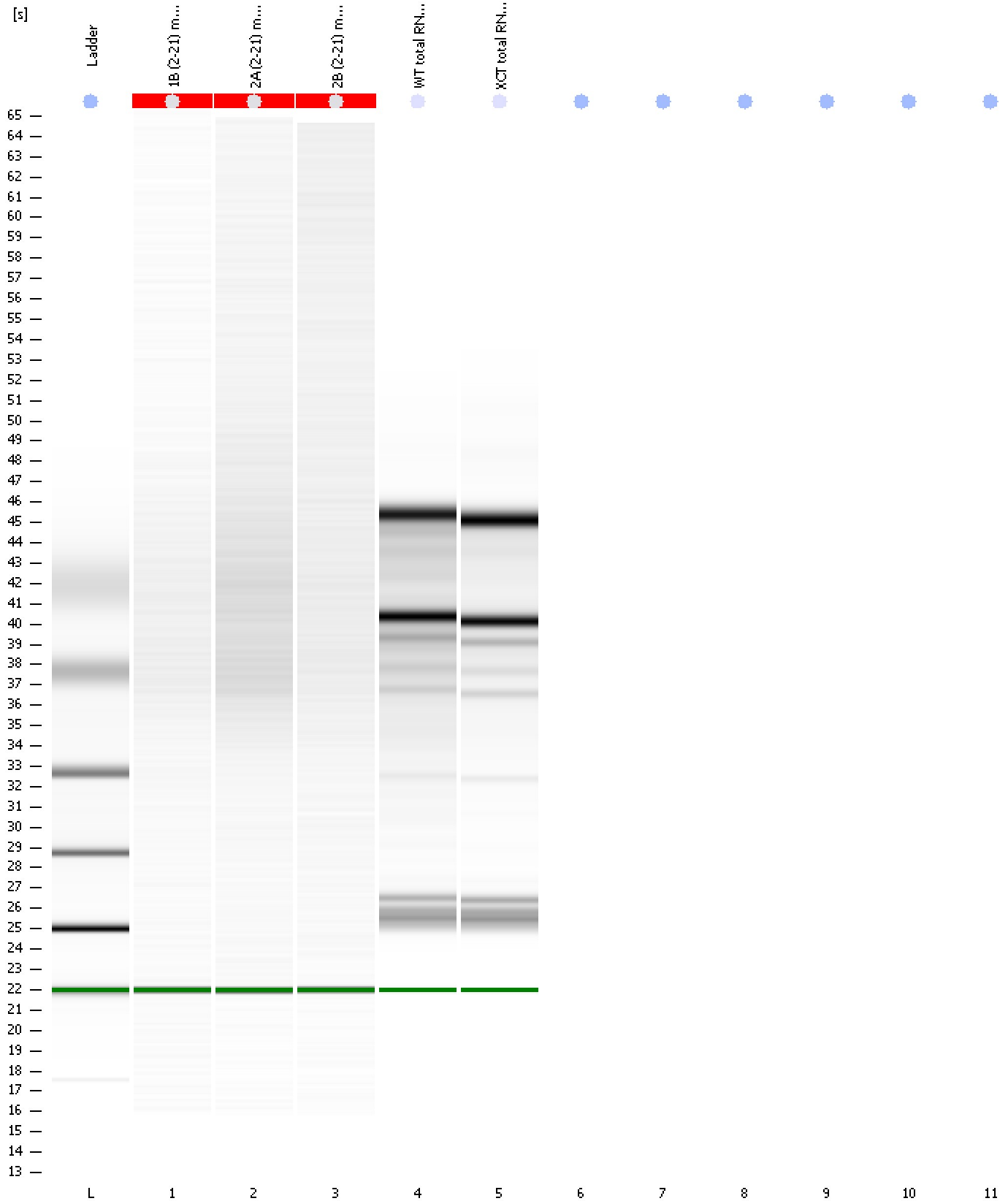
Fragment table for sample 5 : XCT total RNA (1:80)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.52	41.39	310.2	14.6
28S	43.91	46.33	403.8	19.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad

Created: 8/27/2014 9:16:36 AM
Modified: 8/27/2014 9:32:19 AM

Invalid Samples

Sample 6 has not been run, no results available.

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 Created: 8/27/2014 9:16:36 AM
 Data Path: C:\...pert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad Modified: 8/27/2014 9:32:19 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		8/27/2014 9:30:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyser\2014-08-27\2100 expert_Eukaryote Total RNA Pico_DE13701086_2014-08-27_001.xad)		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/27/2014 9:16:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1