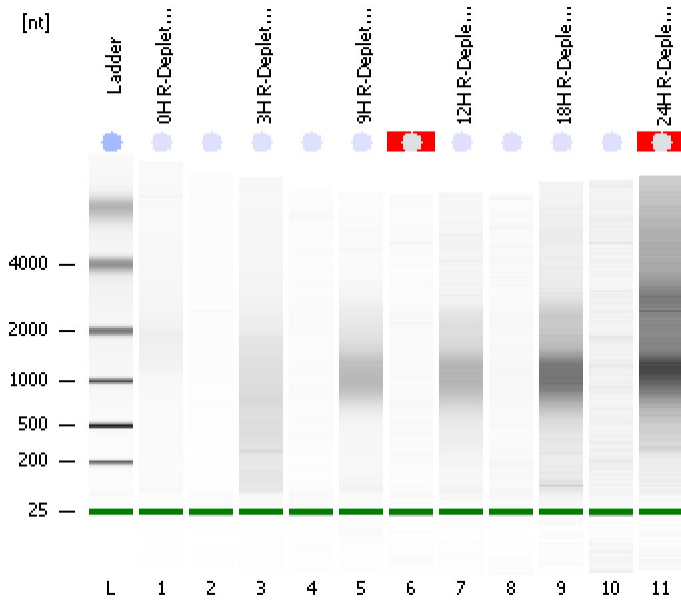


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electrophoresis File Run Summary



Instrument Information:

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

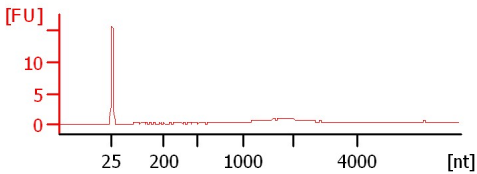
Assay Information:

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.

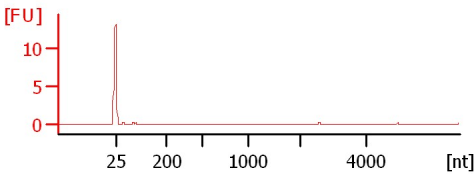
Chip Information:

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

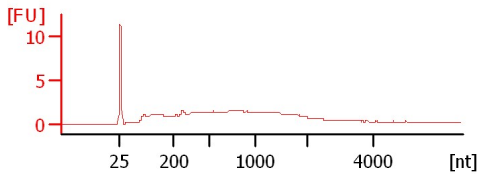
0H R-Deplete Rep1
RIN: 1



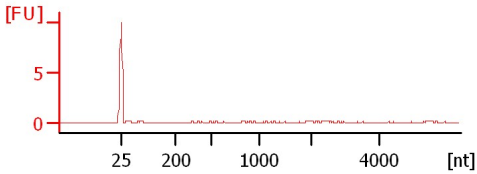
3H R-Deplete Rep1
RIN: 1.40



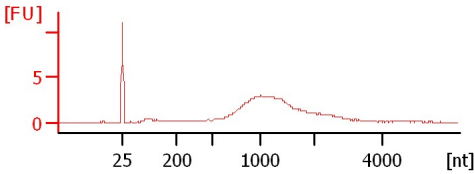
3H R-Deplete Rep1
RIN: 1.40



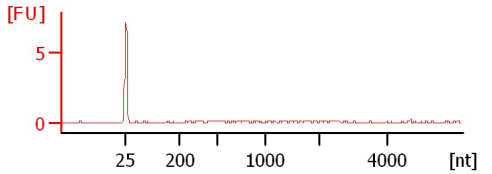
9H R-Deplete Rep1
RIN: 1



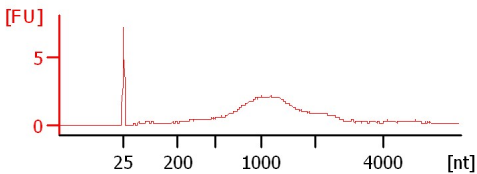
9H R-Deplete Rep1
RIN: 6.50



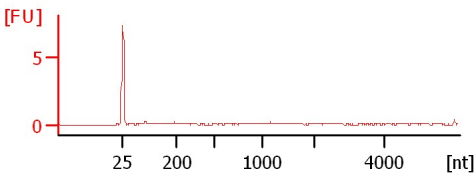
9H R-Deplete Rep1
RIN N/A



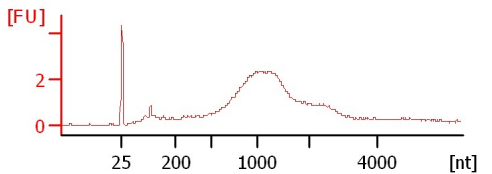
12H R-Deplete Rep1
RIN: 2.20



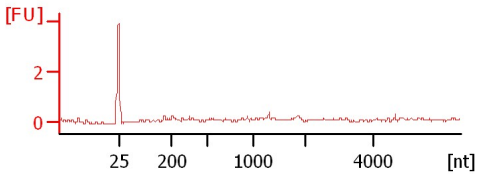
12H R-Deplete Rep1
RIN: 1



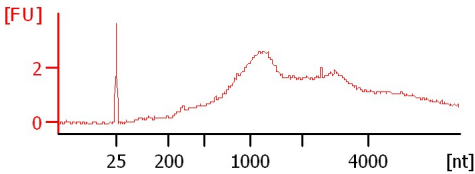
18H R-Deplete Rep1
RIN: 4.50



24H R-Deplete Rep1
RIN: 4.10



24H R-Deplete Rep1
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
 Modified: 4/22/2015 10:11:32 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0H R-Deplete Rep1		✓	RIN:1	
		✓	RIN:1	
3H R-Deplete Rep1		✓	RIN: 1.40	
		✓	RIN:1	
9H R-Deplete Rep1		✓	RIN: 6.50	
		✓	RIN N/A	
12H R-Deplete Rep1		✓	RIN: 2.20	
		✓	RIN:1	
18H R-Deplete Rep1		✓	RIN: 4.50	
		✓	RIN: 4.10	
24H R-Deplete Rep1		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 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

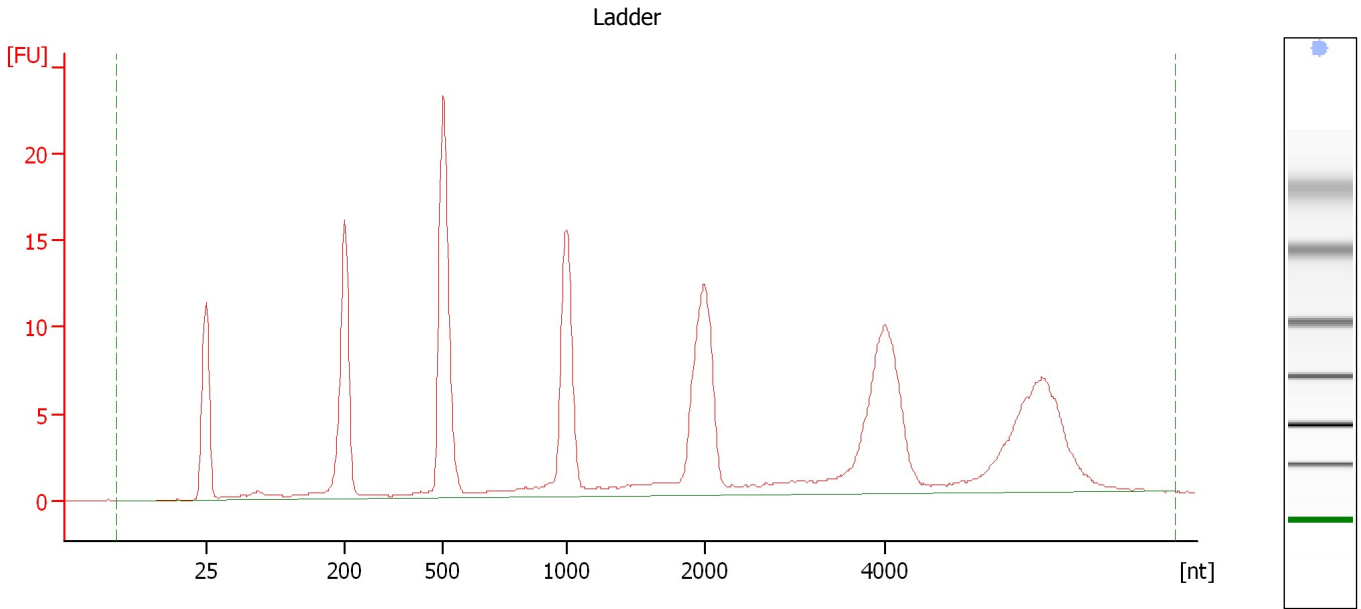
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary



Overall Results for Ladder

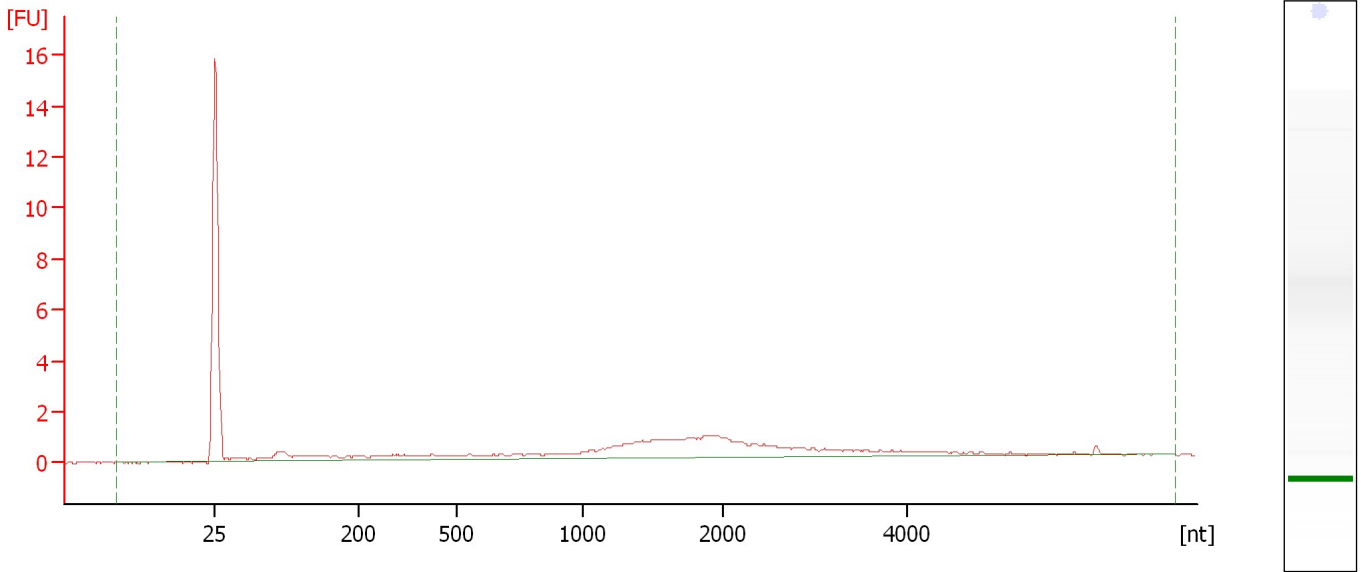
RNA Area:	198.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

0H R-Deplete Rep1



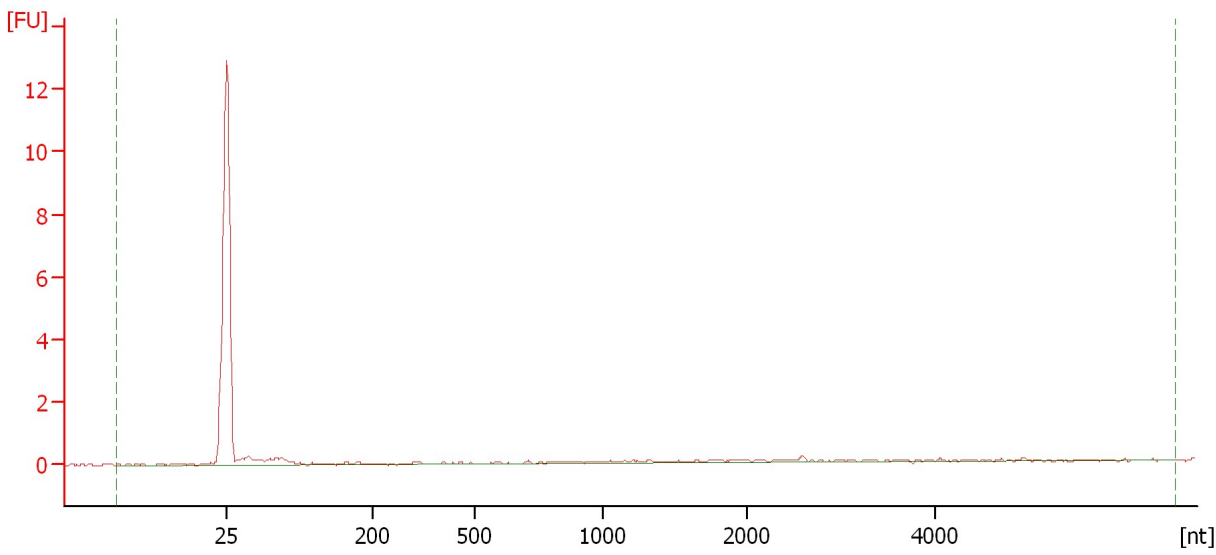
Overall Results for sample 1 : 0H R-Deplete Rep1

RNA Area:	26.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	134 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\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 :

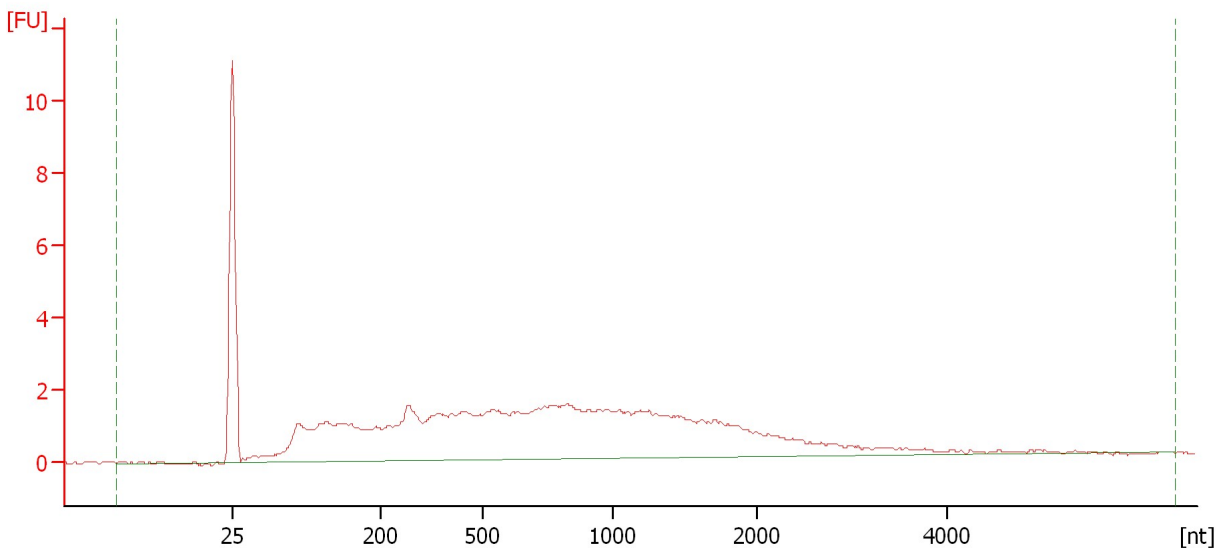
RNA Area:	4.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	22 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

3H R-Deplete Rep1



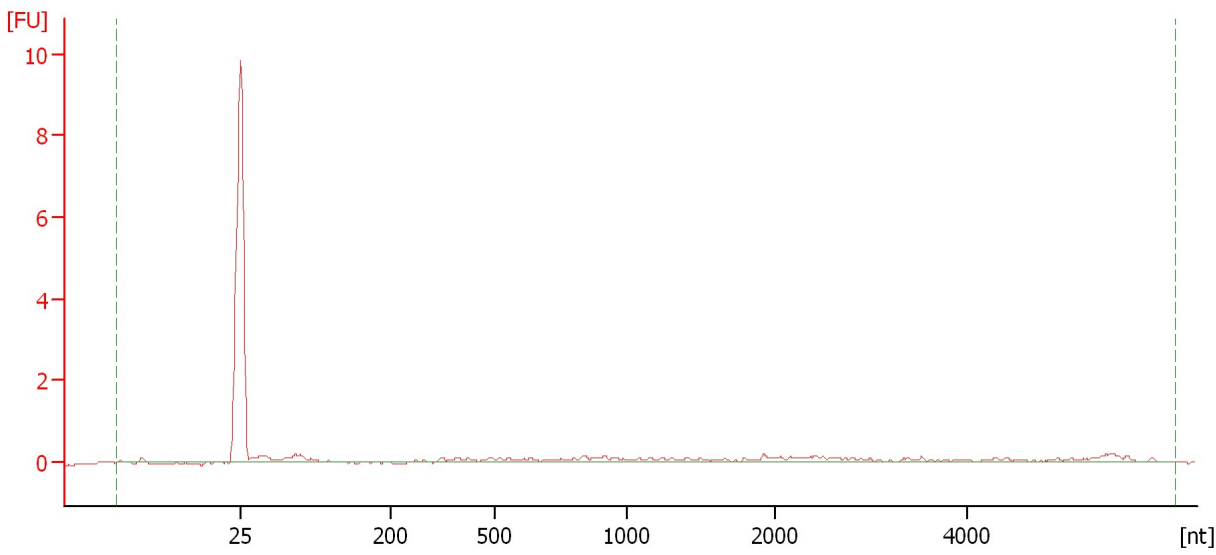
Overall Results for sample 3 : 3H R-Deplete Rep1

RNA Area:	72.9	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	367 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 :

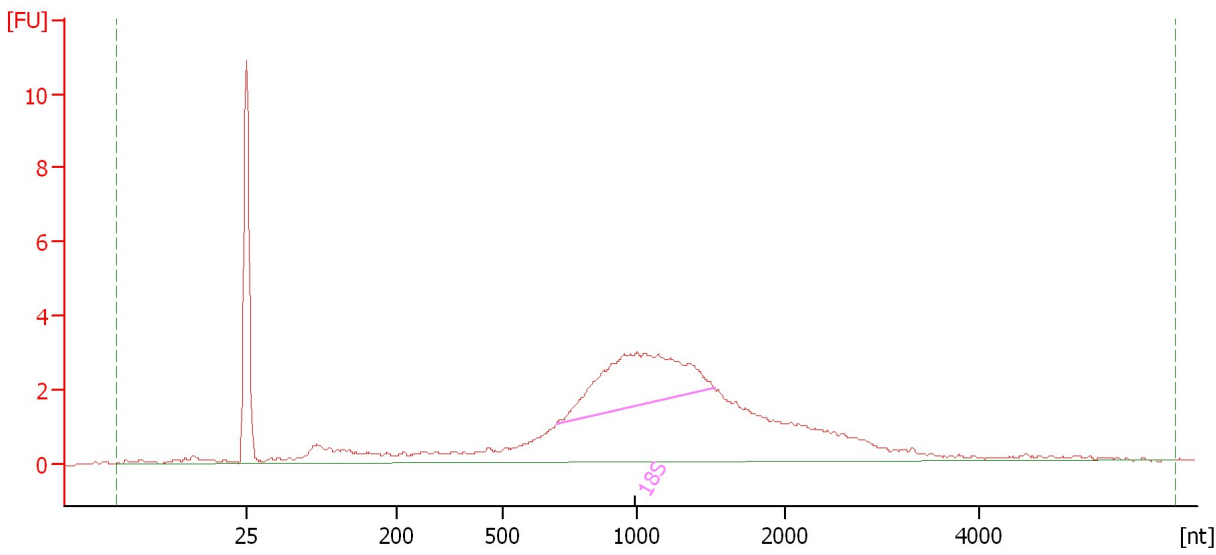
RNA Area:	7.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	37 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

9H R-Deplete Rep1



Overall Results for sample 5 : 9H R-Deplete Rep1

RNA Area:	72.9	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	367 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.50

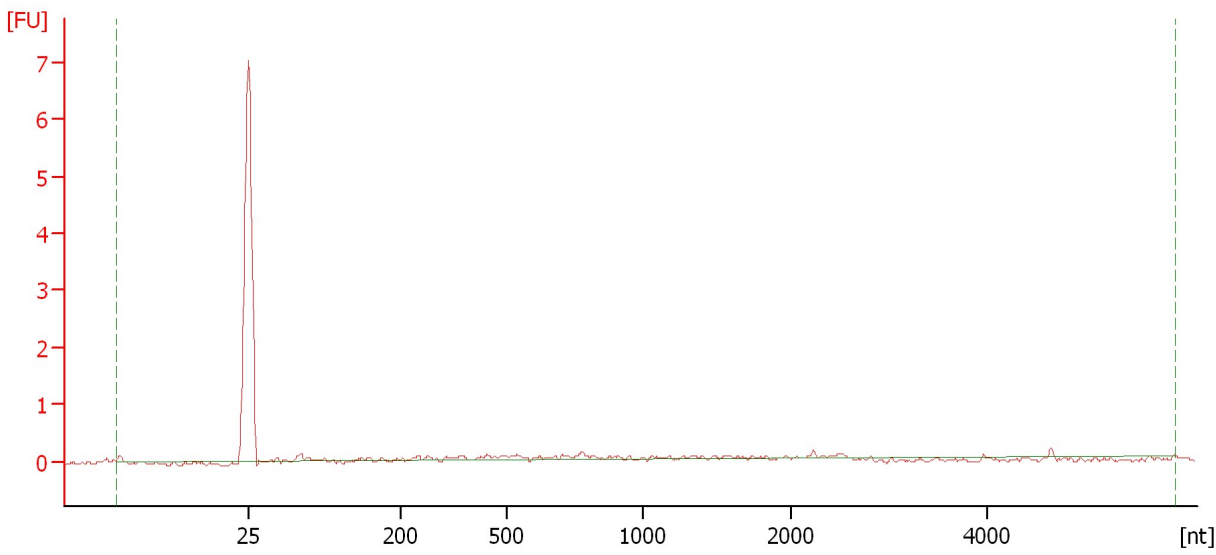
Fragment table for sample 5 : 9H R-Deplete Rep1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	700	1,522	14.9	20.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 :

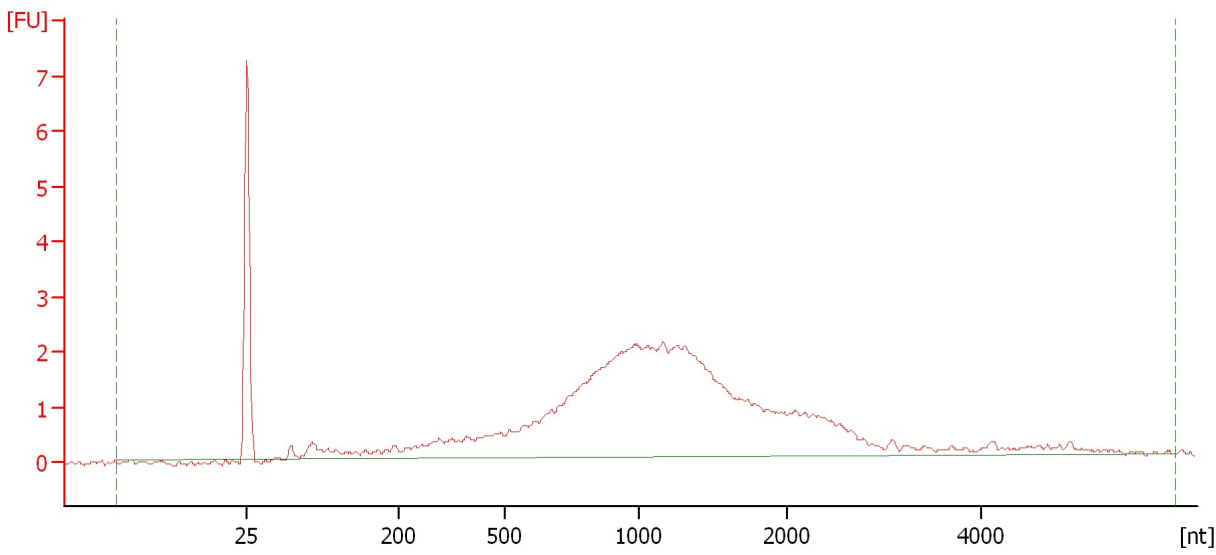
RNA Area:	1.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

12H R-Deplete Rep1



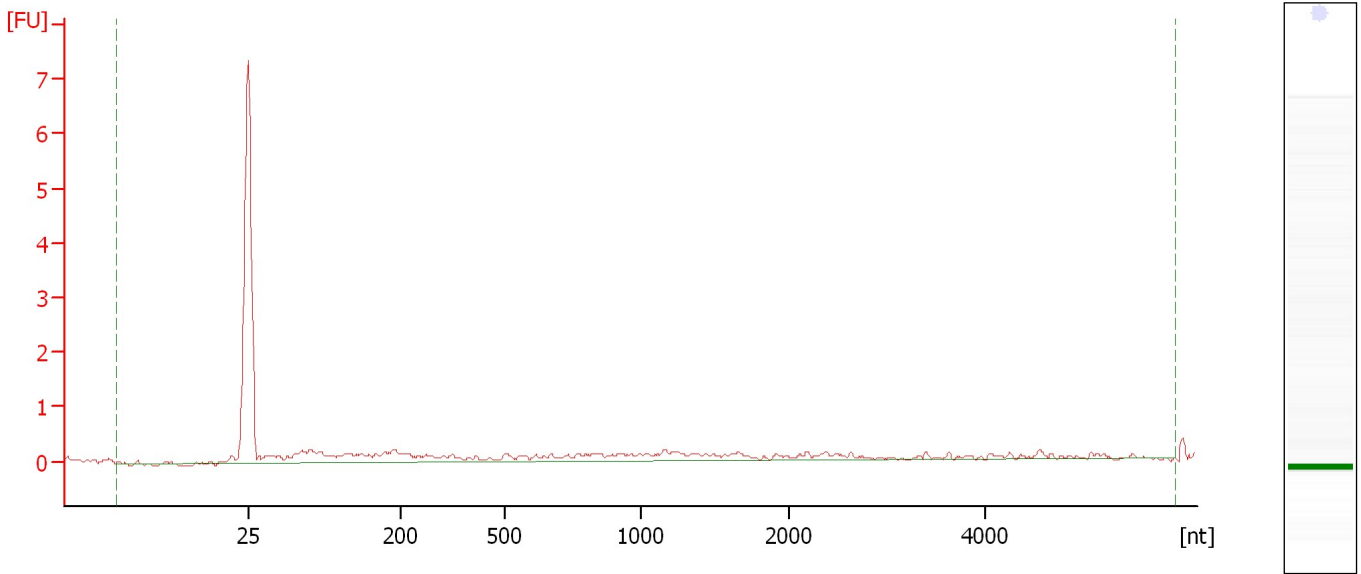
Overall Results for sample 7 : 12H R-Deplete Rep1

RNA Area:	53.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	270 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 :

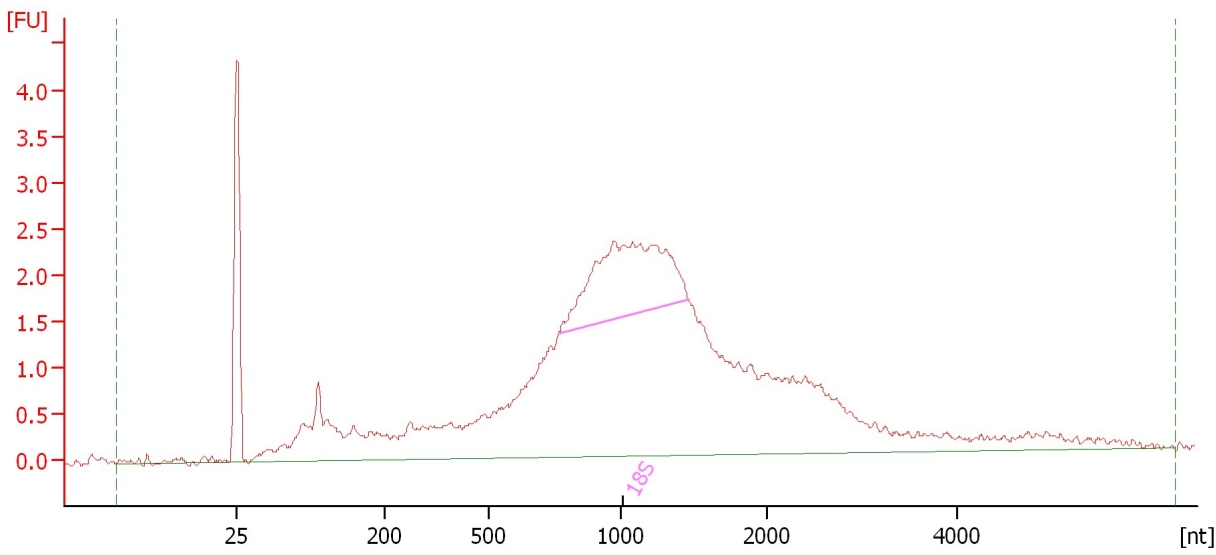
RNA Area:	9.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	47 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

18H R-Deplete Rep1



Overall Results for sample 9 : 18H R-Deplete Rep1

RNA Area:	64.1	RNA Integrity Number (RIN):	4.5 (B.02.08)
RNA Concentration:	323 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.50

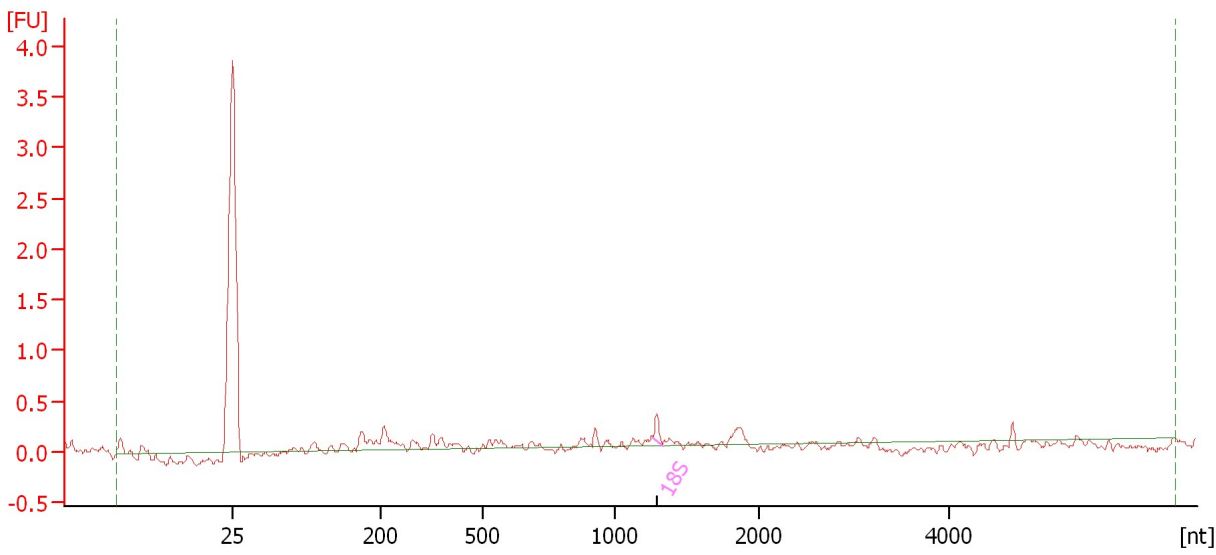
Fragment table for sample 9 : 18H R-Deplete Rep1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	765	1,469	7.5	11.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 :

RNA Area:	2.6	RNA Integrity Number (RIN):	4.1 (B.02.08)
RNA Concentration:	13 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.10

Fragment table for sample 10 :

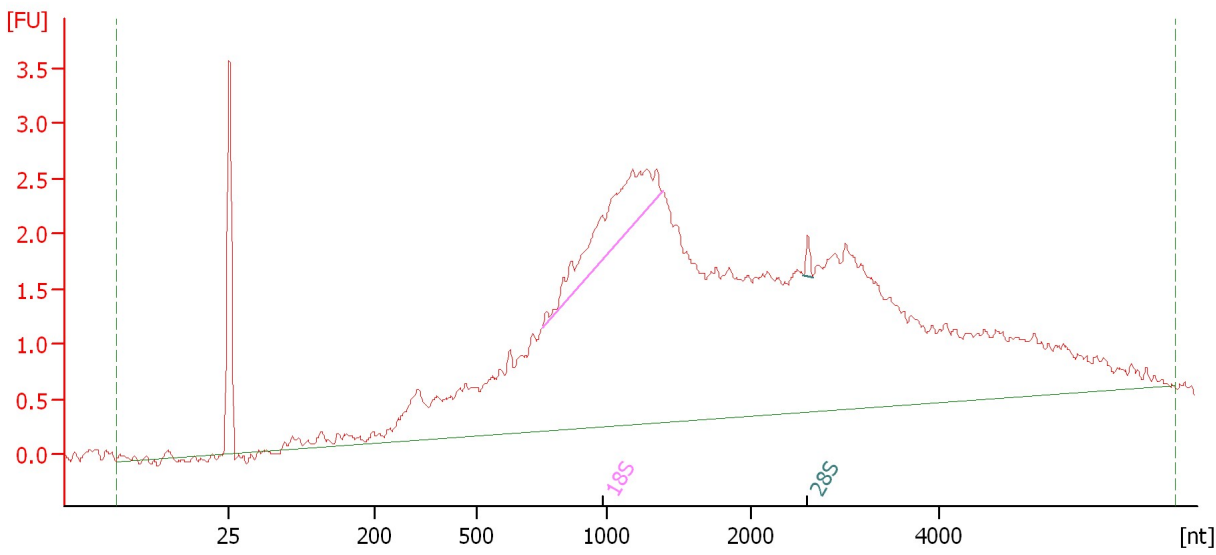
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,267	1,326	0.1	5.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Electropherogram Summary Continued ...

24H R-Deplete Rep1



Overall Results for sample 11 : 24H R-Deplete Rep1

RNA Area: 72.4 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 364 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

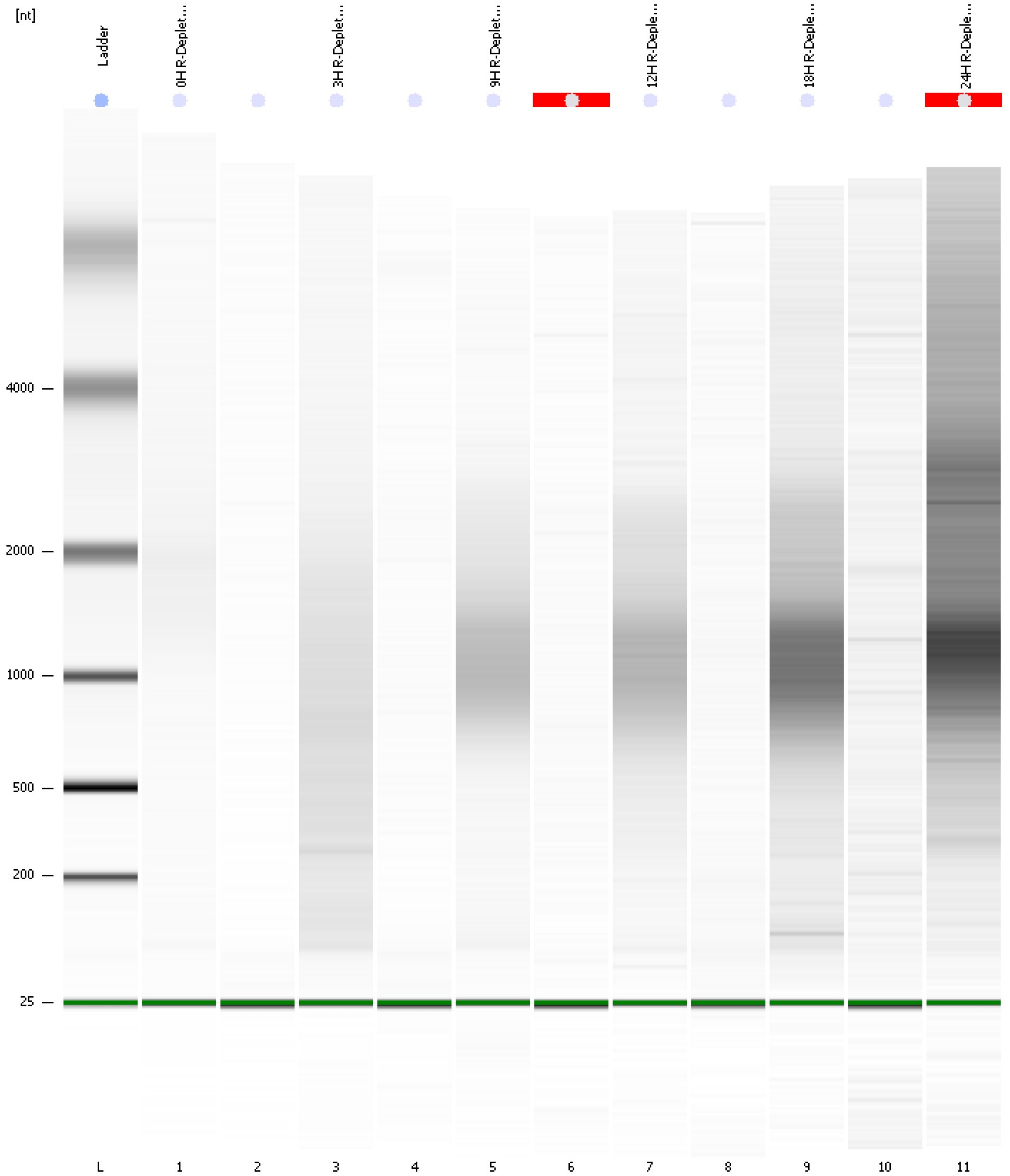
Fragment table for sample 11 : 24H R-Deplete Rep1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	749	1,387	3.8	5.2
28S	2,549	2,651	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
Modified: 4/22/2015 10:11:32 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad

Created: 4/22/2015 9:46:35 AM
 Modified: 4/22/2015 10:11:32 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		4/22/2015 10:09:29 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-22\2015-04-22_002.xad)		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/22/2015 9:46:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1