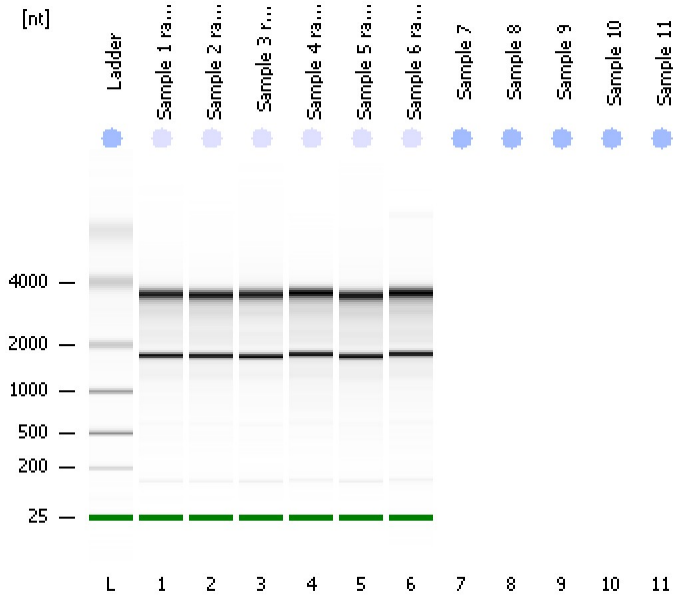


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electrophoresis File Run Summary



Instrument Information:

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

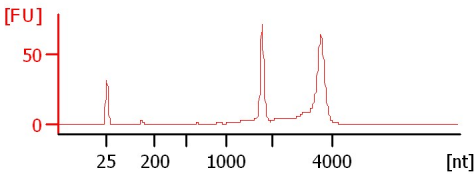
Assay Information:

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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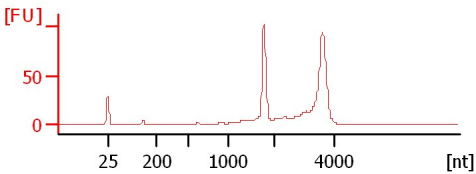
Chip Information:

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

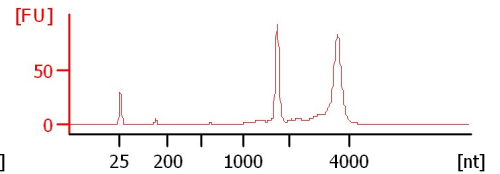
Sample 1 rat total hypothal RNA H1M
RIN: 9.50



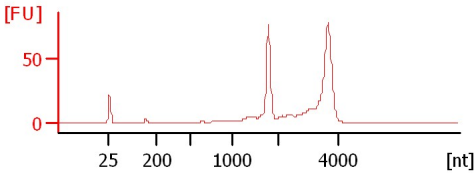
Sample 2 rat total hypothal RNA H5M
RIN: 9.40



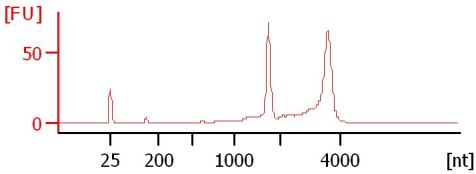
Sample 3 rat total hypothal RNA H7M
RIN: 9.80



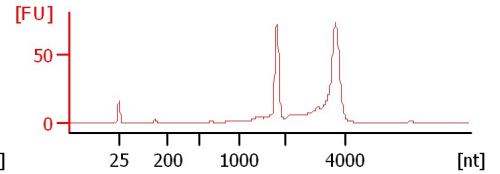
Sample 4 rat total hypothal RNA NH3M
RIN: 9.20



Sample 5 rat total hypothal RNA NH4M
RIN: 9.50



Sample 6 rat total hypothal RNA NH6M
RIN: 9.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1 rat total hypothal RNA H1M		✓	RIN: 9.50	
Sample 2 rat total hypothal RNA H5M		✓	RIN: 9.40	
Sample 3 rat total hypothal RNA H7M		✓	RIN: 9.80	
Sample 4 rat total hypothal RNA NH3M		✓	RIN: 9.20	
Sample 5 rat total hypothal RNA NH4M		✓	RIN: 9.50	
Sample 6 rat total hypothal RNA NH6M		✓	RIN: 9.30	
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\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 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

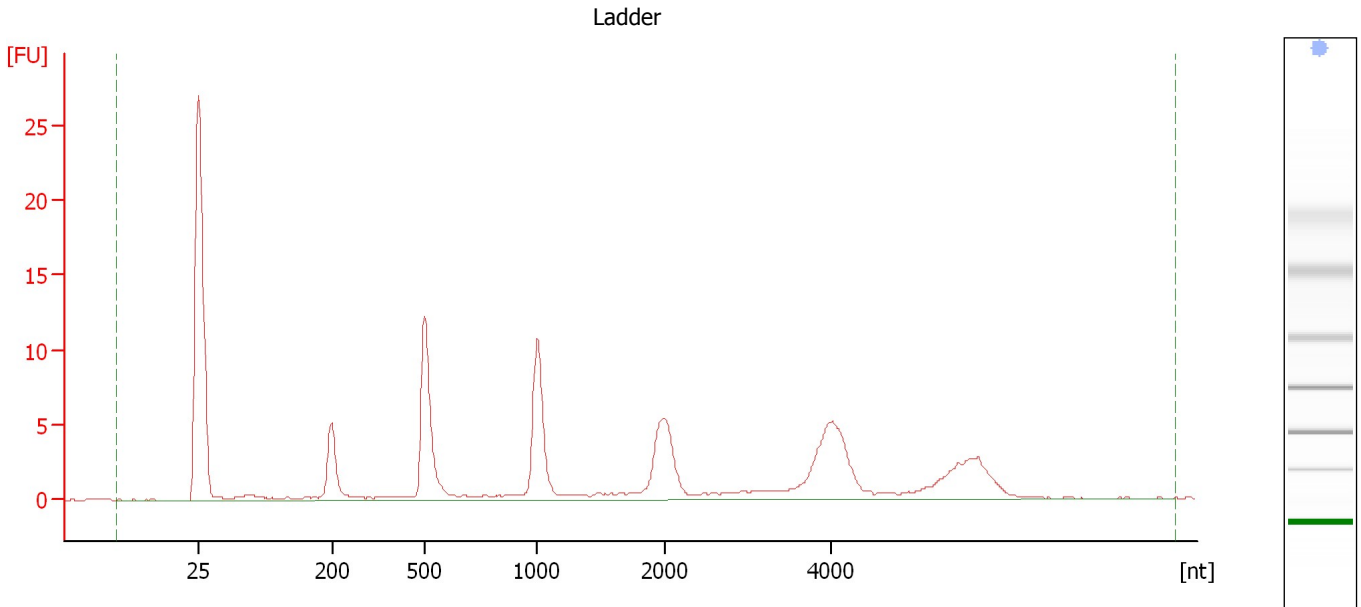
Ladder

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\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary



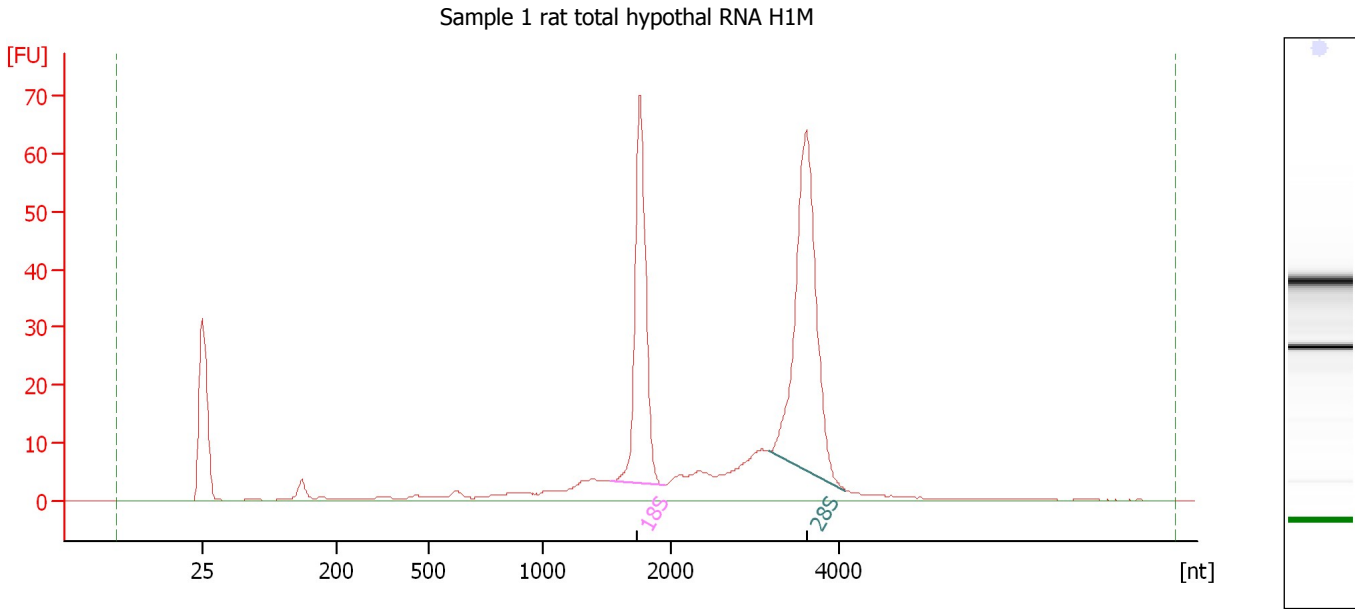
Overall Results for Ladder

RNA Area:	96.4	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\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1 rat total hypothal RNA H1M

RNA Area: 386.0 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 4,005 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.50

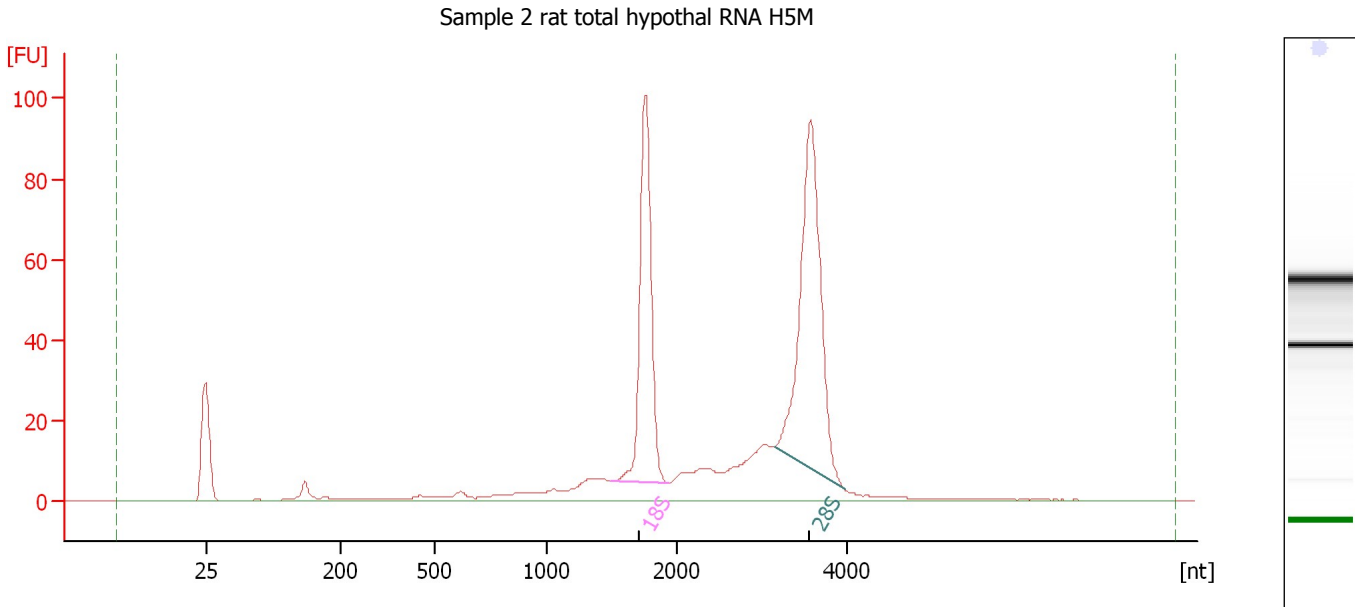
Fragment table for sample 1 : Sample 1 rat total hypothal RNA H1M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	1,951	88.9	23.0
28S	3,179	4,078	126.2	32.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2 rat total hypothal RNA H5M

RNA Area: 562.7 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 5,838 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.40

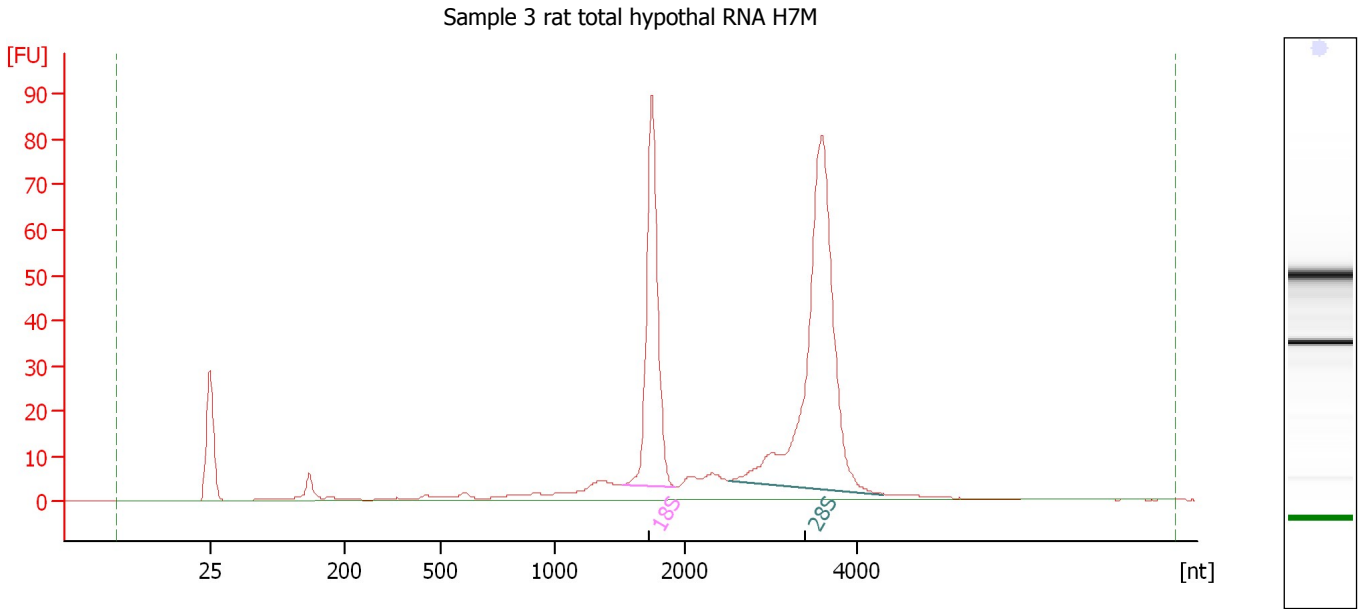
Fragment table for sample 2 : Sample 2 rat total hypothal RNA H5M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,937	131.2	23.3
28S	3,149	3,979	184.1	32.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
 Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3 rat total hypothal RNA H7M

RNA Area:	480.6	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	4,986 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

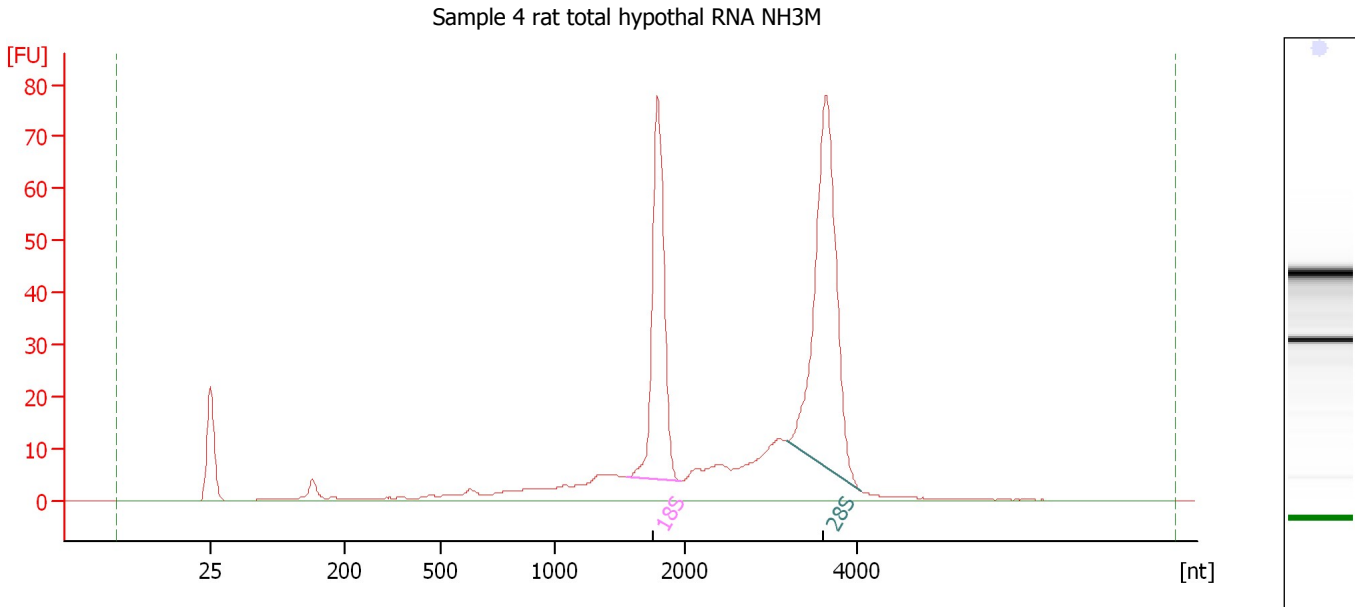
Fragment table for sample 3 : Sample 3 rat total hypothal RNA H7M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,931	116.4	24.2
28S	2,519	4,303	213.0	44.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
 Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4 rat total hypothal RNA NH3M

RNA Area:	490.4	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	5,087 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.20

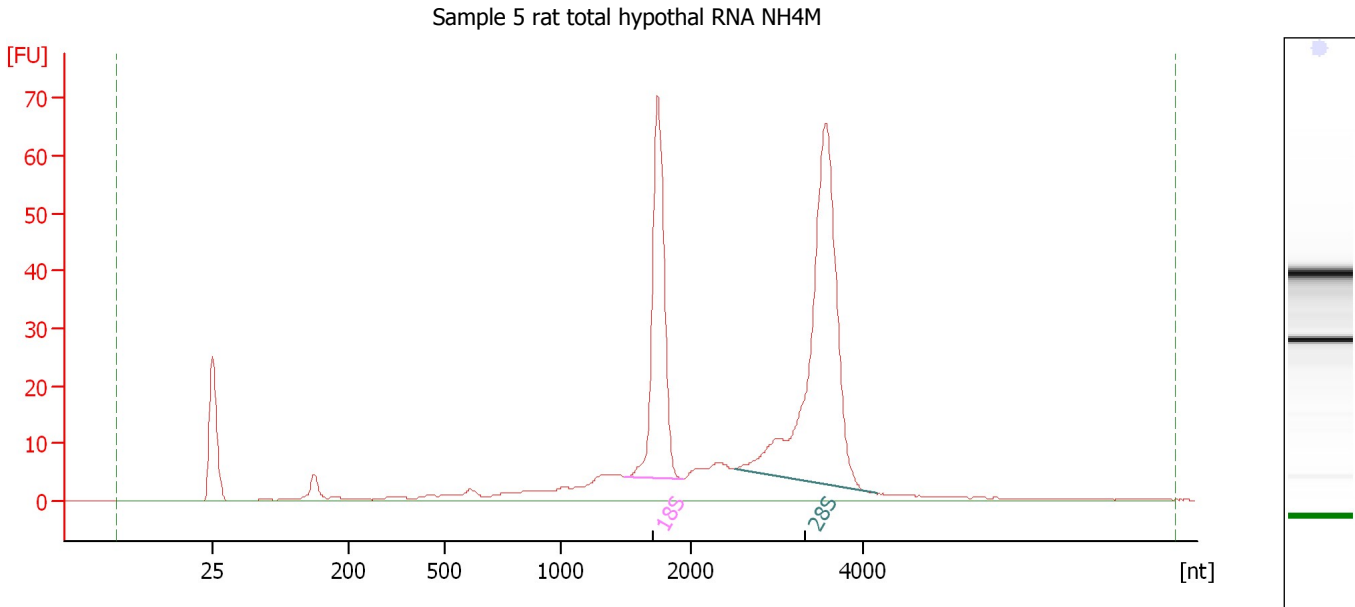
Fragment table for sample 4 : Sample 4 rat total hypothal RNA NH3M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,964	103.9	21.2
28S	3,193	4,053	155.8	31.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5 rat total hypothal RNA NH4M

RNA Area: 438.8 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 4,553 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.50

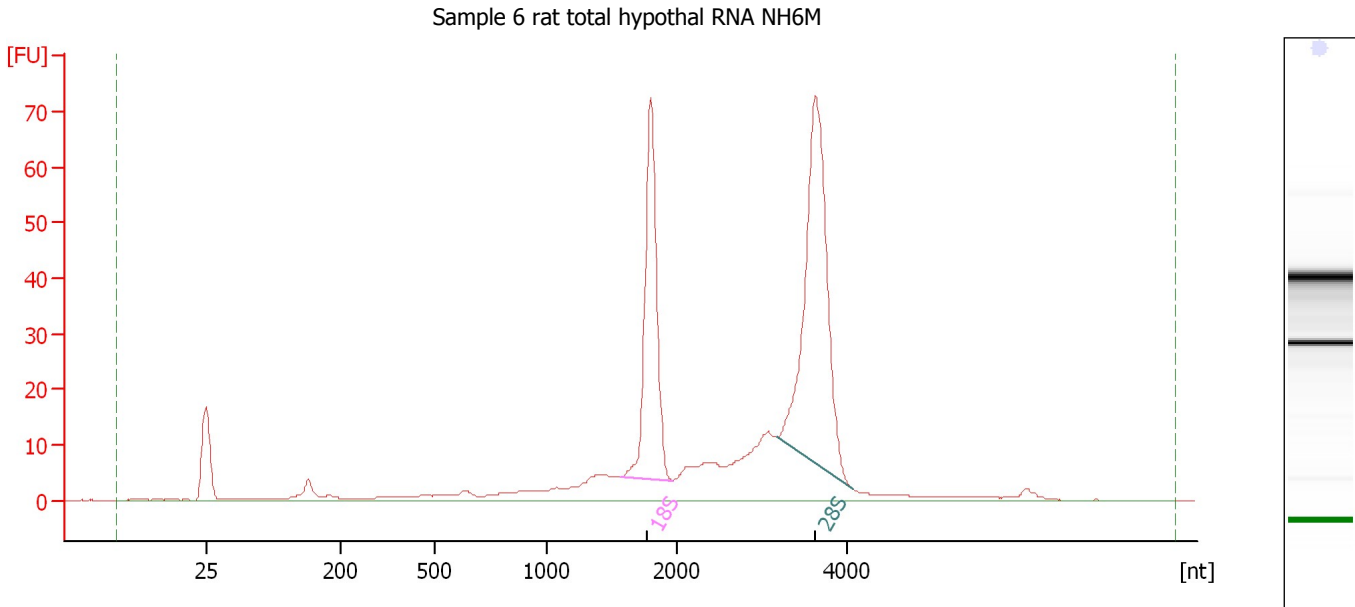
Fragment table for sample 5 : Sample 5 rat total hypothal RNA NH4M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,933	94.8	21.6
28S	2,519	4,155	173.2	39.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6 rat total hypothal RNA NH6M

RNA Area: 474.2 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 4,920 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.30

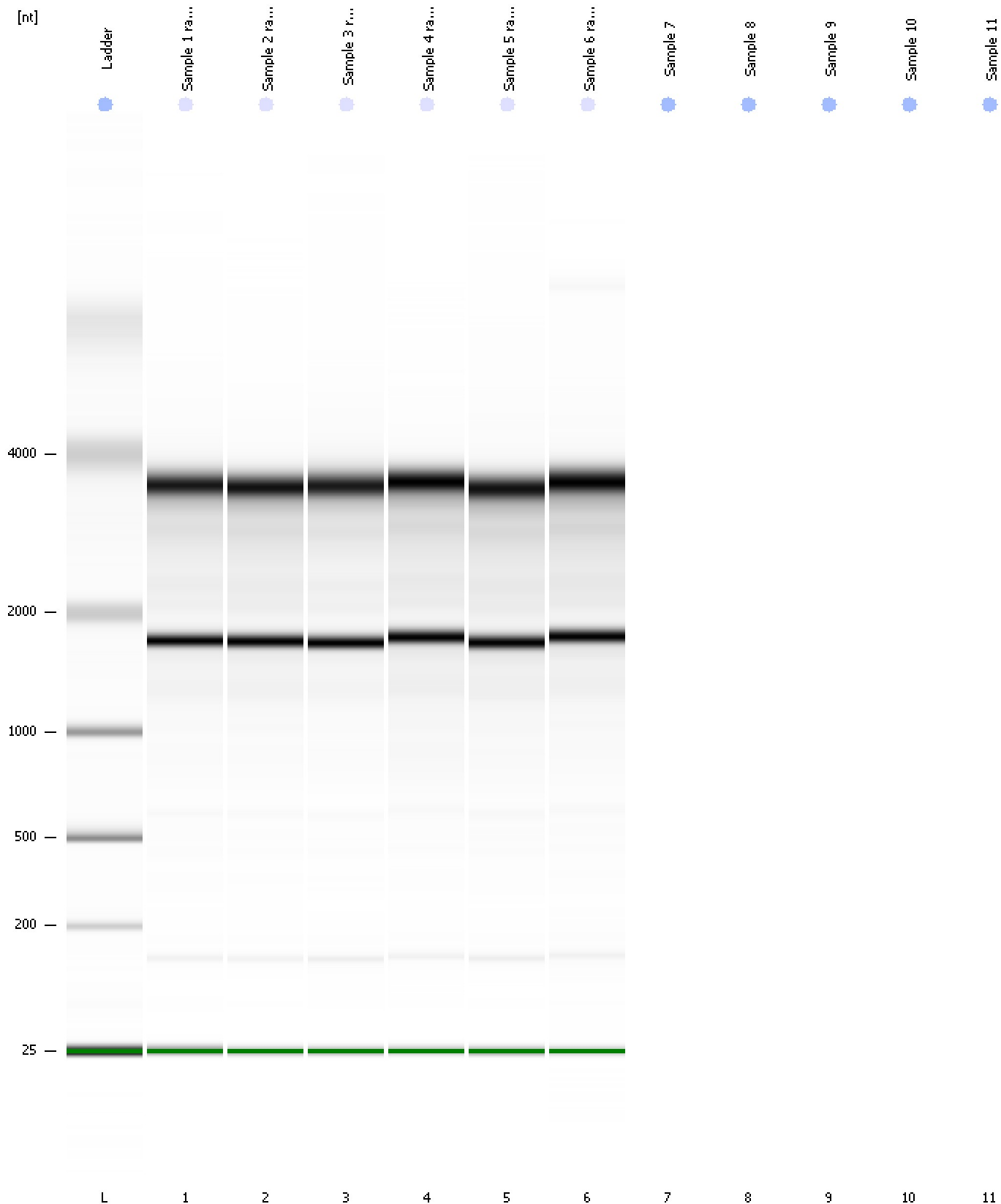
Fragment table for sample 6 : Sample 6 rat total hypothal RNA NH6M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,970	96.9	20.4
28S	3,187	4,067	151.6	32.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Gel Image

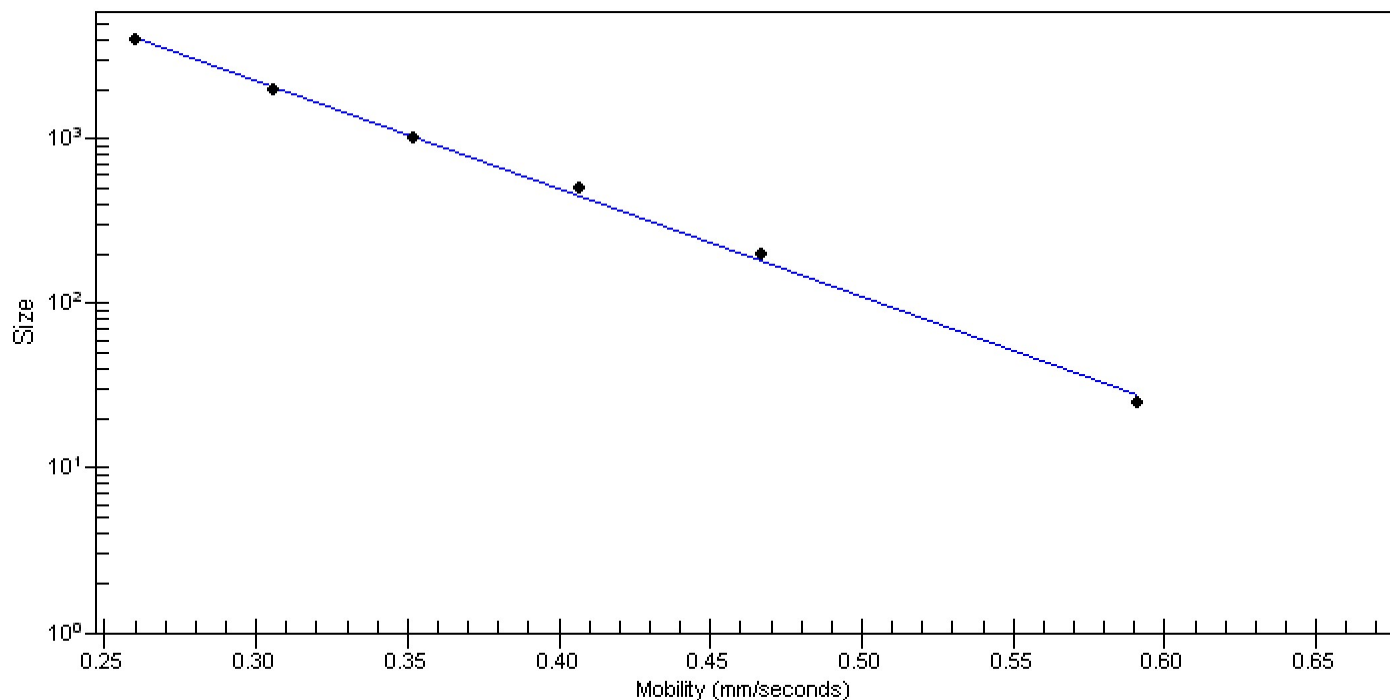


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
Modified: 9/22/2014 1:49:47 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\2014-09-22\2014-09-22_004.xad

Created: 9/22/2014 1:34:02 PM
 Modified: 9/22/2014 1:49:47 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		9/22/2014 1:49:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-22\2014-09-22_004.xad)		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/22/2014 1:34:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1