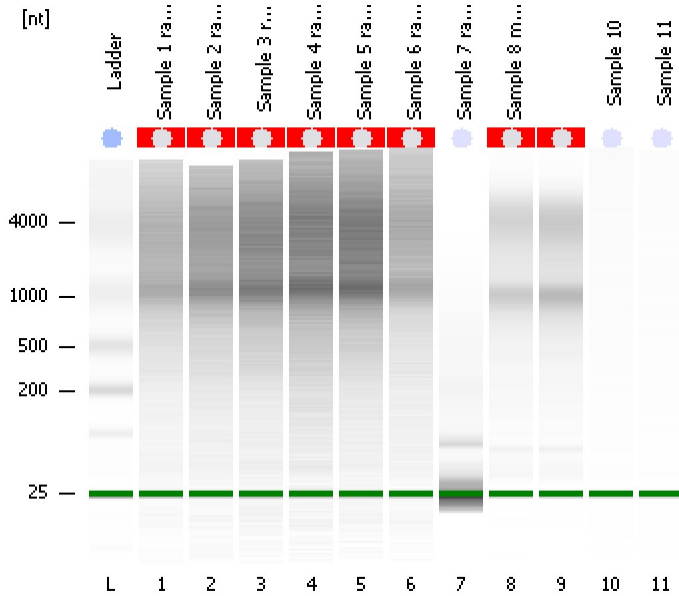


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electrophoresis File Run Summary



Instrument Information:

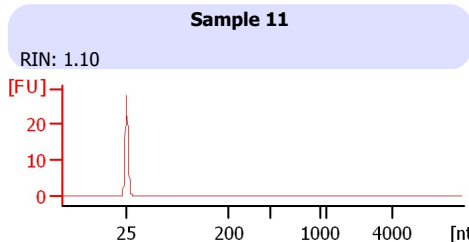
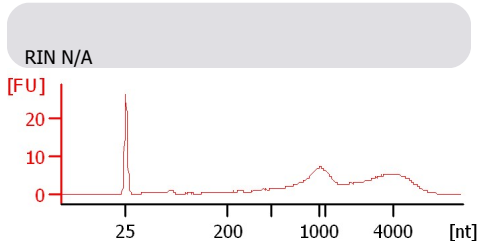
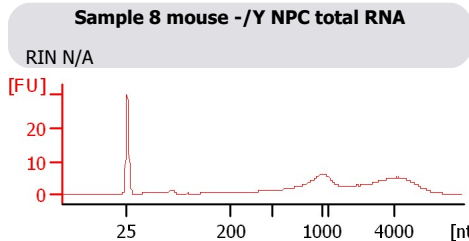
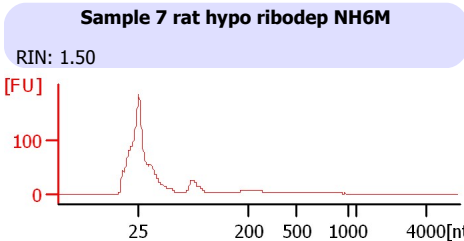
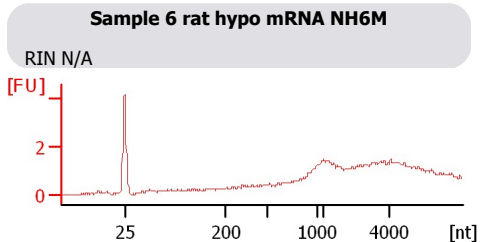
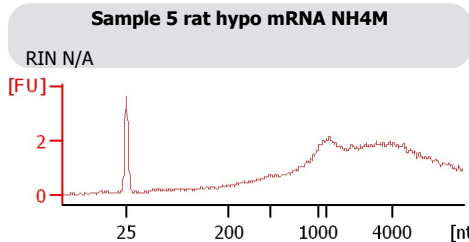
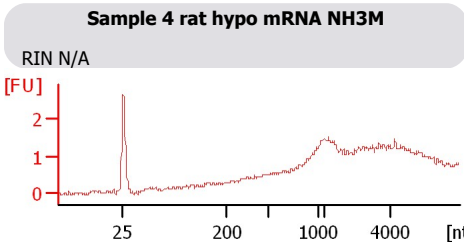
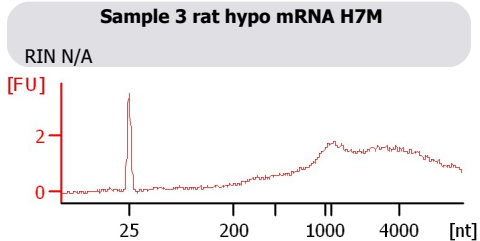
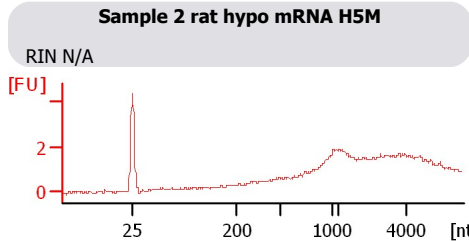
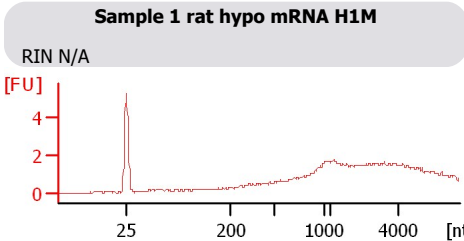
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1 rat hypo mRNA H1M		✓	RIN N/A	
Sample 2 rat hypo mRNA H5M		✓	RIN N/A	
Sample 3 rat hypo mRNA H7M		✓	RIN N/A	
Sample 4 rat hypo mRNA NH3M		✓	RIN N/A	
Sample 5 rat hypo mRNA NH4M		✓	RIN N/A	
Sample 6 rat hypo mRNA NH6M		✓	RIN N/A	
Sample 7 rat hypo ribodep NH6M		✓	RIN: 1.50	
Sample 8 mouse -/Y NPC total RNA		✓	RIN N/A	
		✓	RIN N/A	
Sample 10		✓	RIN: 1.10	
Sample 11		✓	RIN: 1.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 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

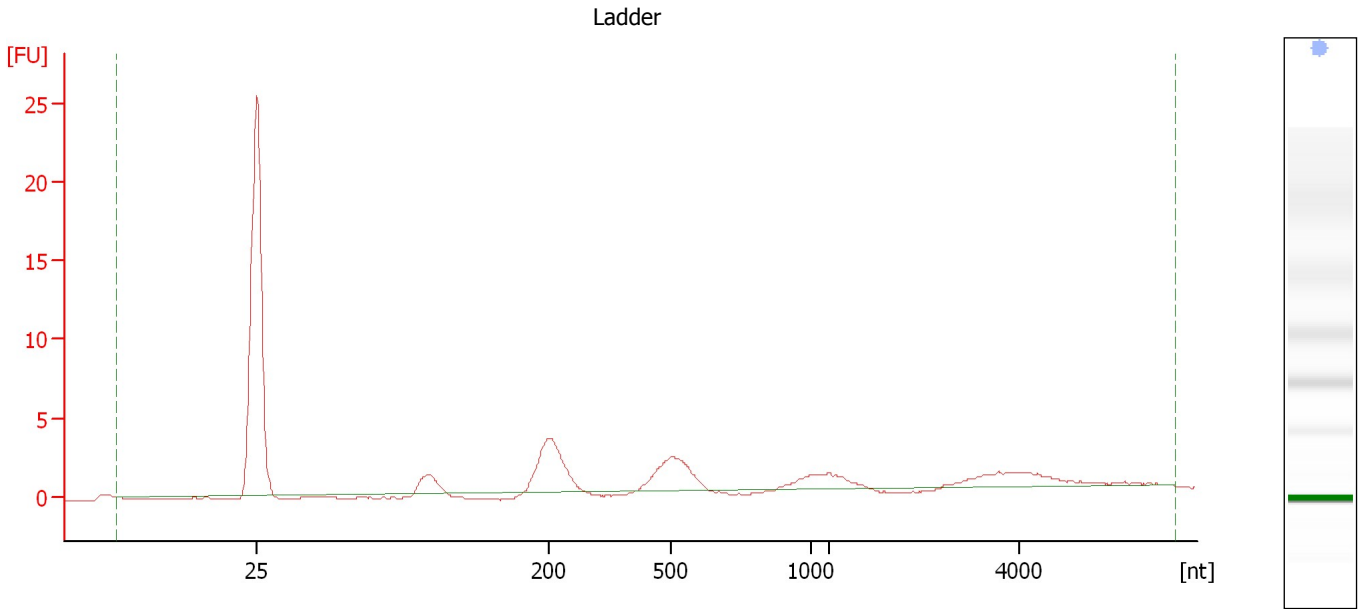
Ladder

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\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary



Overall Results for Ladder

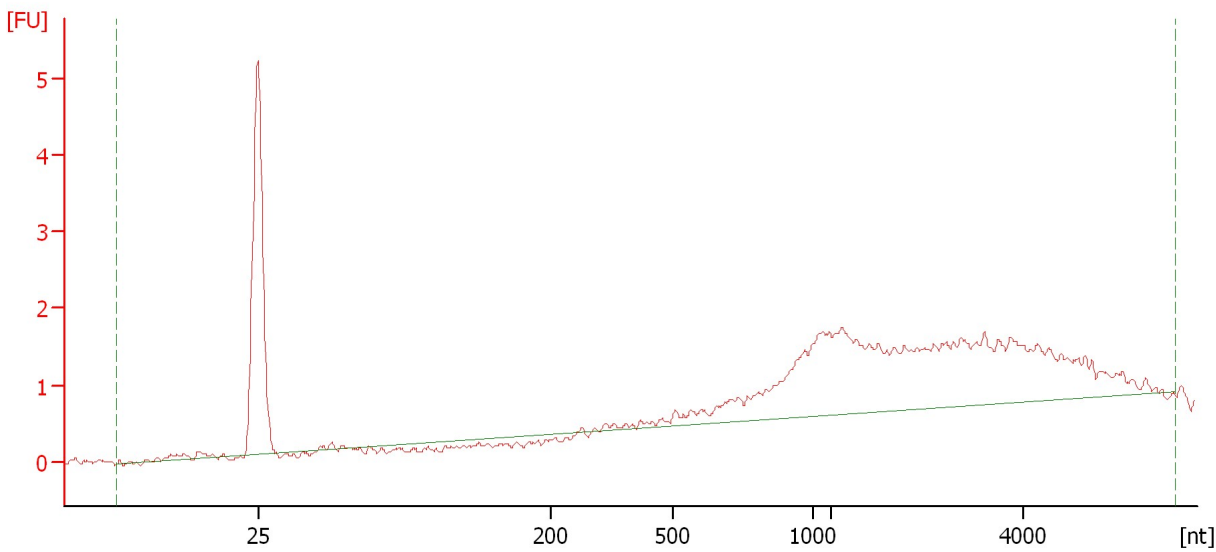
RNA Area:	35.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad


Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 1 rat hypo mRNA H1M



Overall Results for sample 1 : Sample 1 rat hypo mRNA H1M

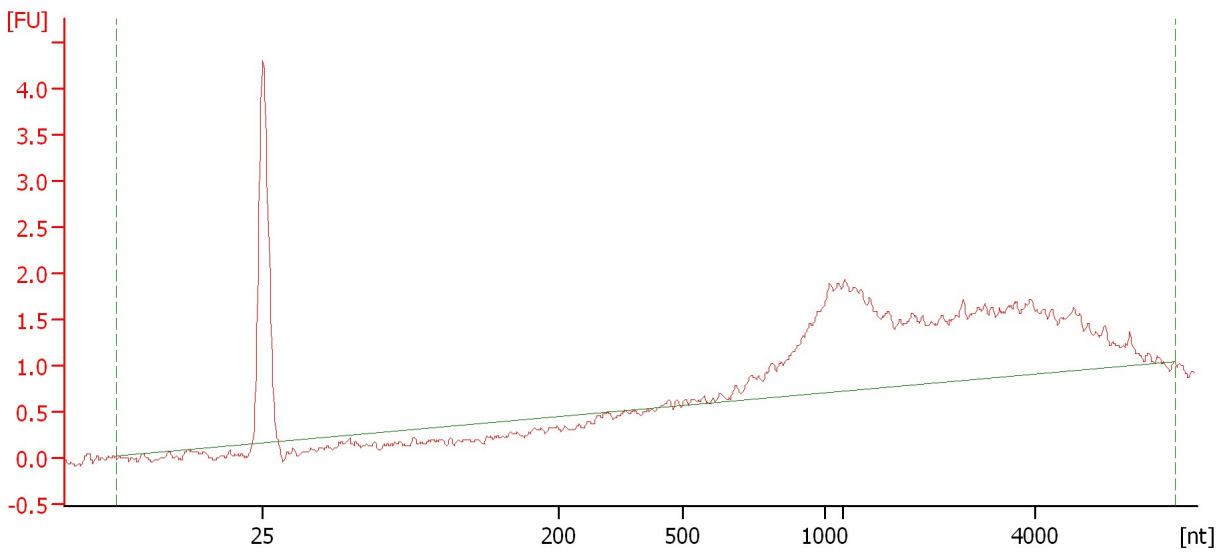
RNA Area:	24.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	696 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad


Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 2 rat hypo mRNA H5M



Overall Results for sample 2 : Sample 2 rat hypo mRNA H5M

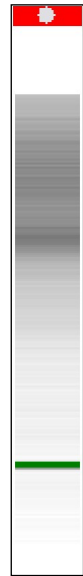
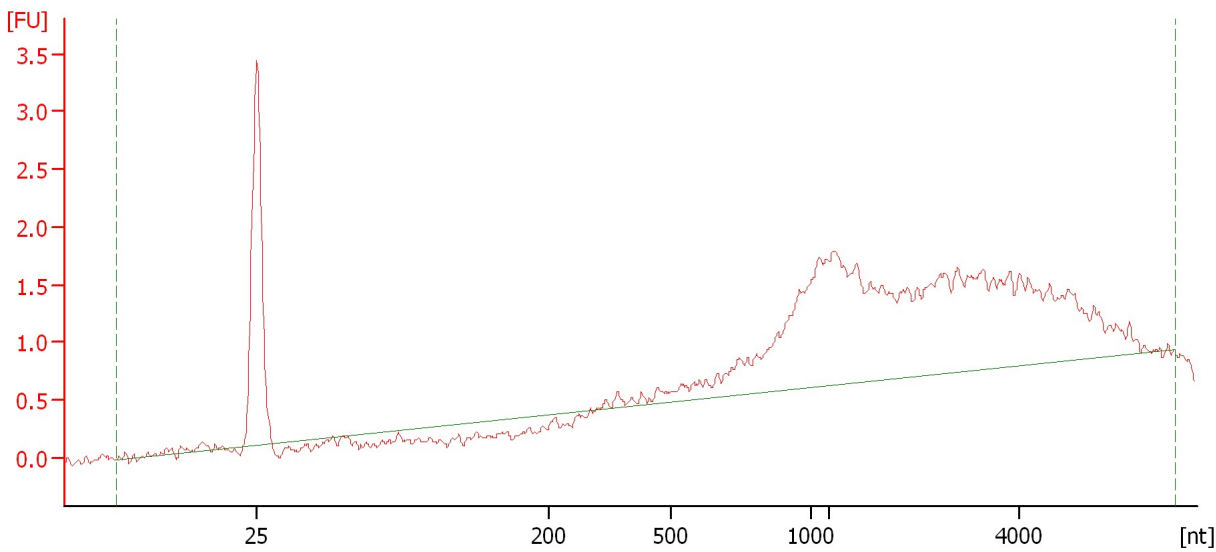
RNA Area:	21.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	592 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 3 rat hypo mRNA H7M



Overall Results for sample 3 : Sample 3 rat hypo mRNA H7M

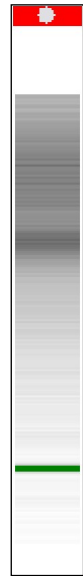
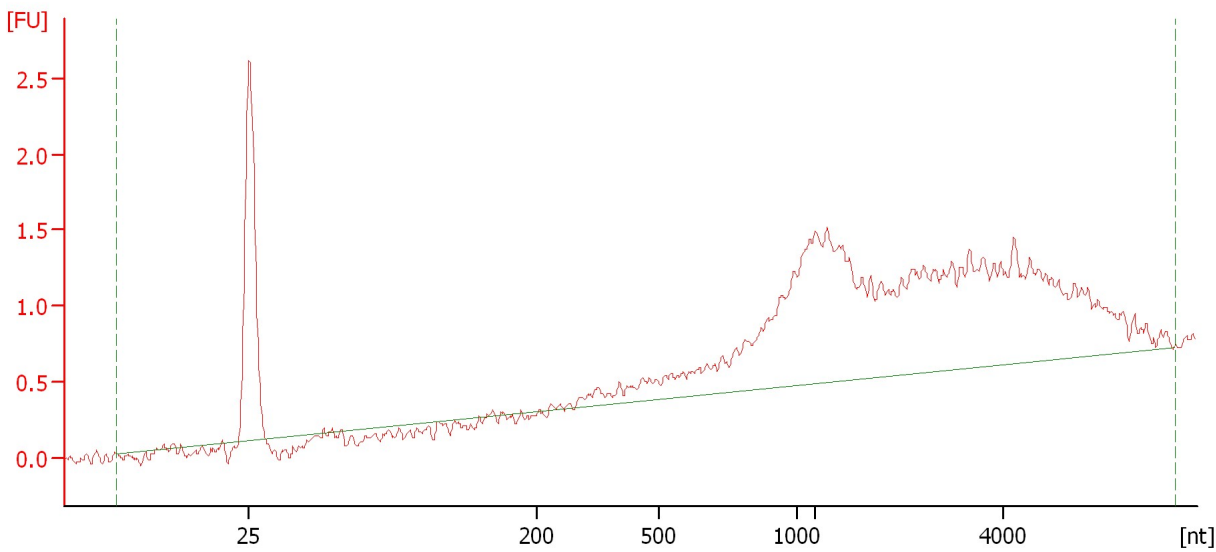
RNA Area:	23.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	665 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad


Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 4 rat hypo mRNA NH3M



Overall Results for sample 4 : Sample 4 rat hypo mRNA NH3M

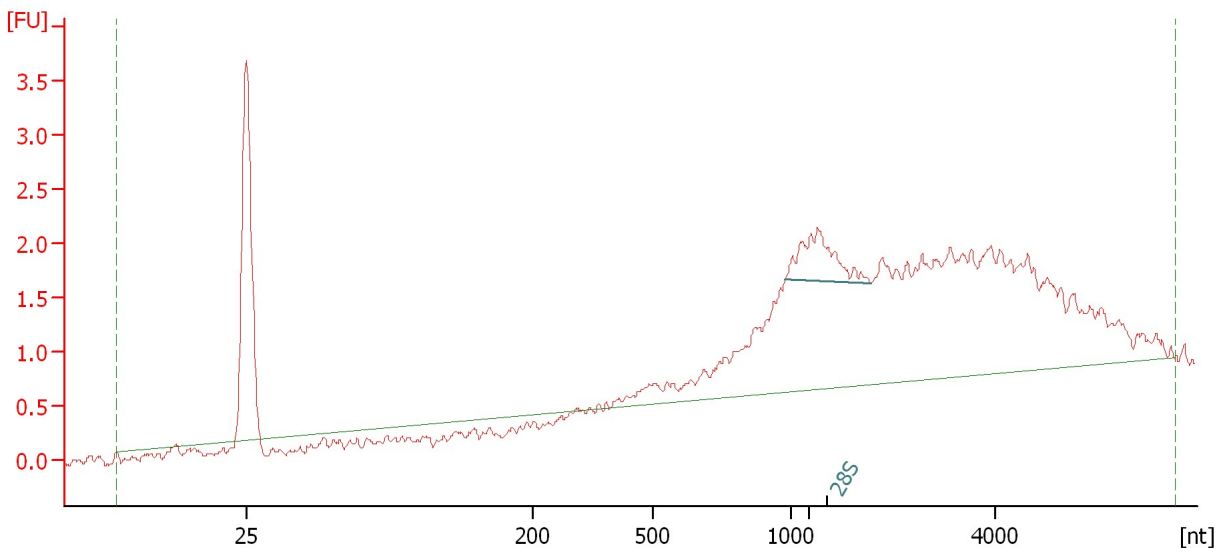
RNA Area:	21.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	599 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 5 rat hypo mRNA NH4M



Overall Results for sample 5 : Sample 5 rat hypo mRNA NH4M

RNA Area:	32.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	922 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 5 rat hypo mRNA NH4M

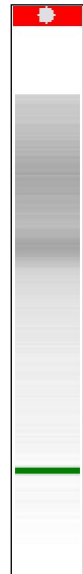
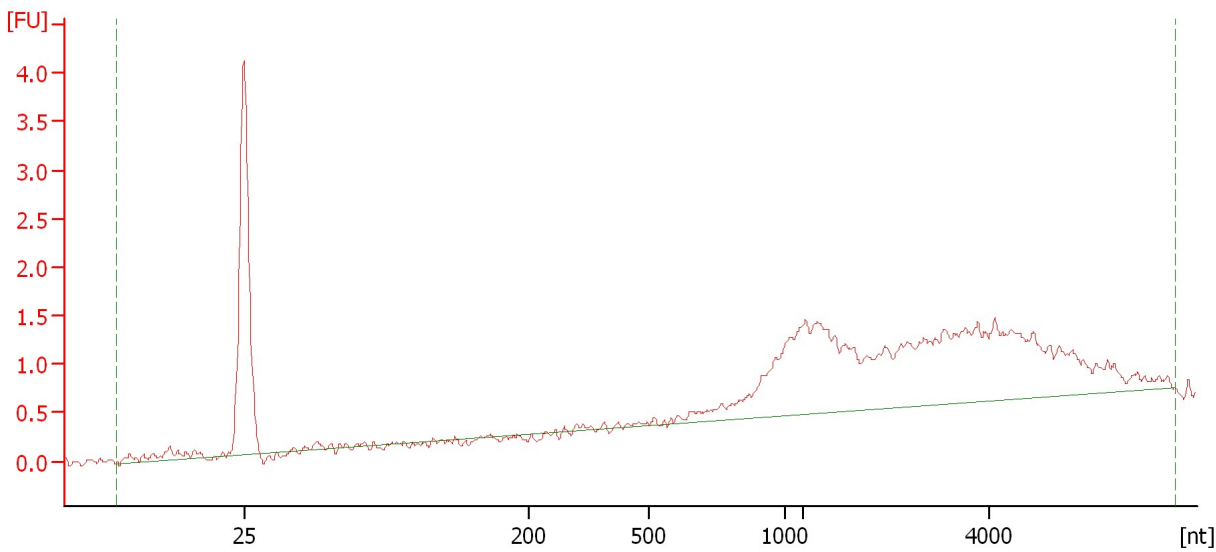
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	984	2,667	1.7	5.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad


Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 6 rat hypo mRNA NH6M



Overall Results for sample 6 : Sample 6 rat hypo mRNA NH6M

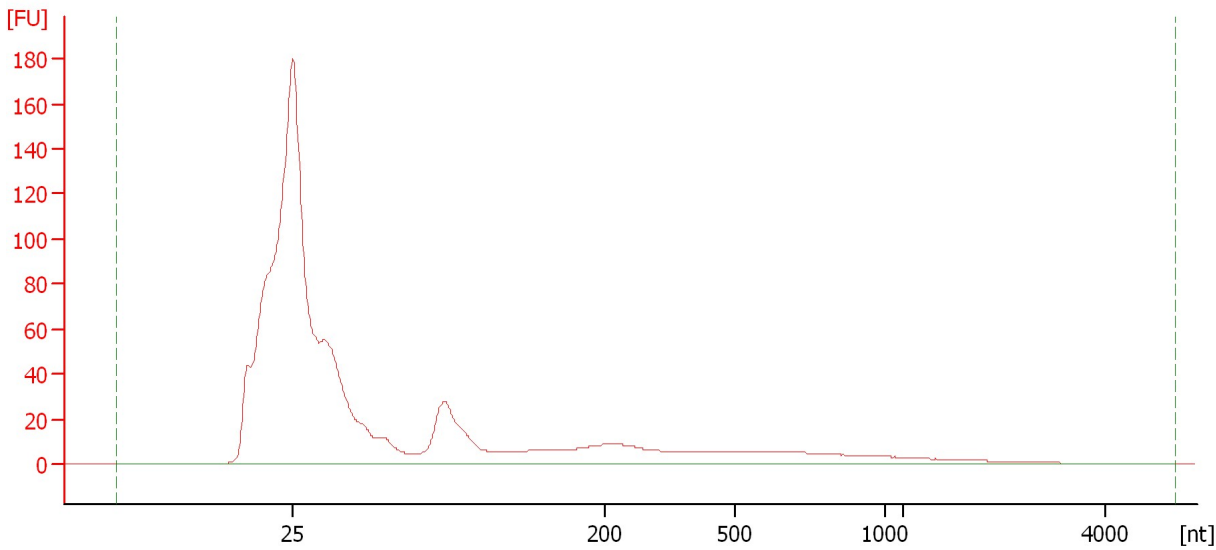
RNA Area:	21.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	593 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 7 rat hypo ribodep NH6M



Overall Results for sample 7 : Sample 7 rat hypo ribodep NH6M

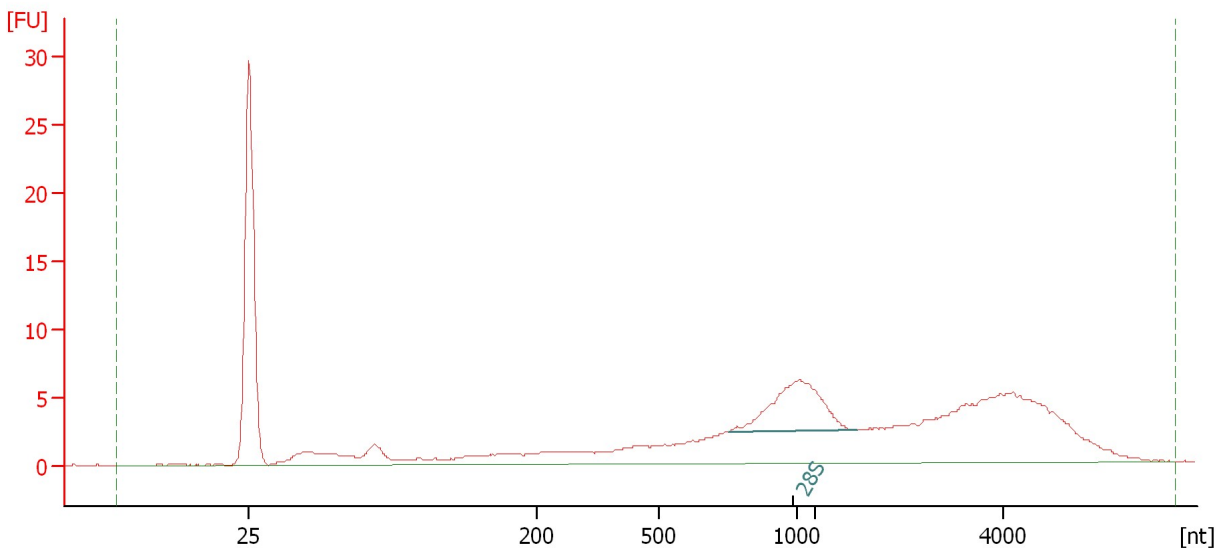
RNA Area:	443.0	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	12,460 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 8 mouse -/Y NPC total RNA



Overall Results for sample 8 : Sample 8 mouse -/Y NPC total RNA

RNA Area:	165.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,657 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

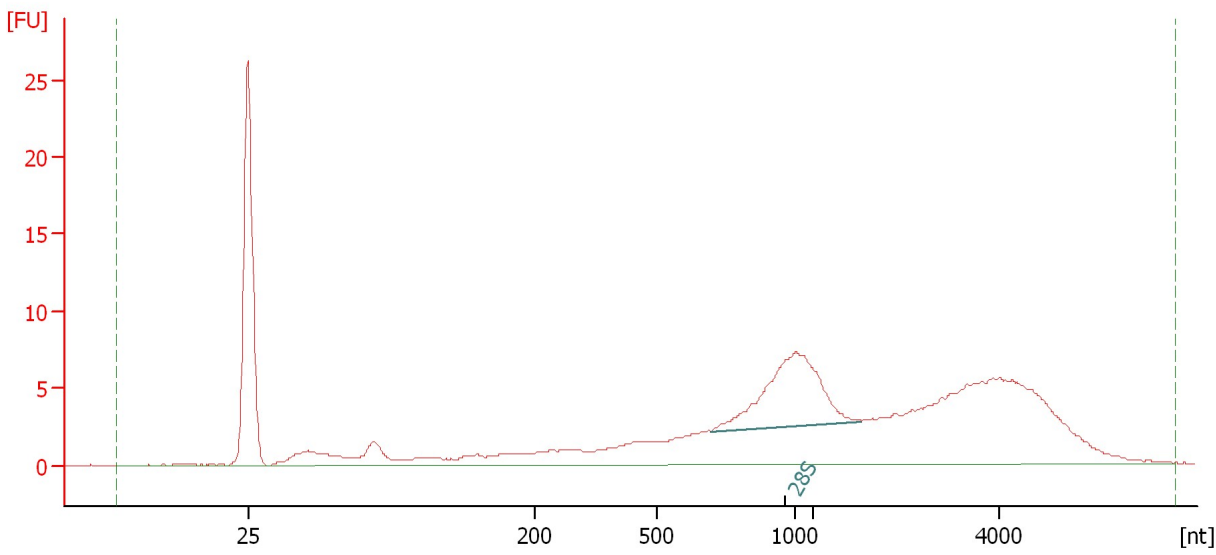
Fragment table for sample 8 : Sample 8 mouse -/Y NPC total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	752	2,457	19.8	12.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 :

RNA Area:	178.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,010 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 :

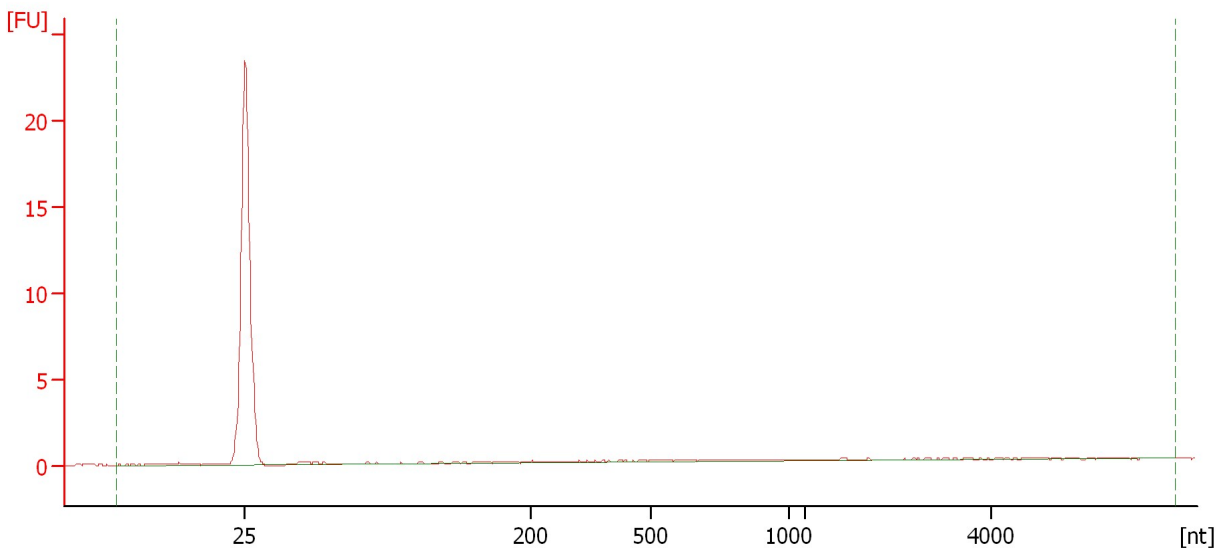
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	693	2,527	27.6	15.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

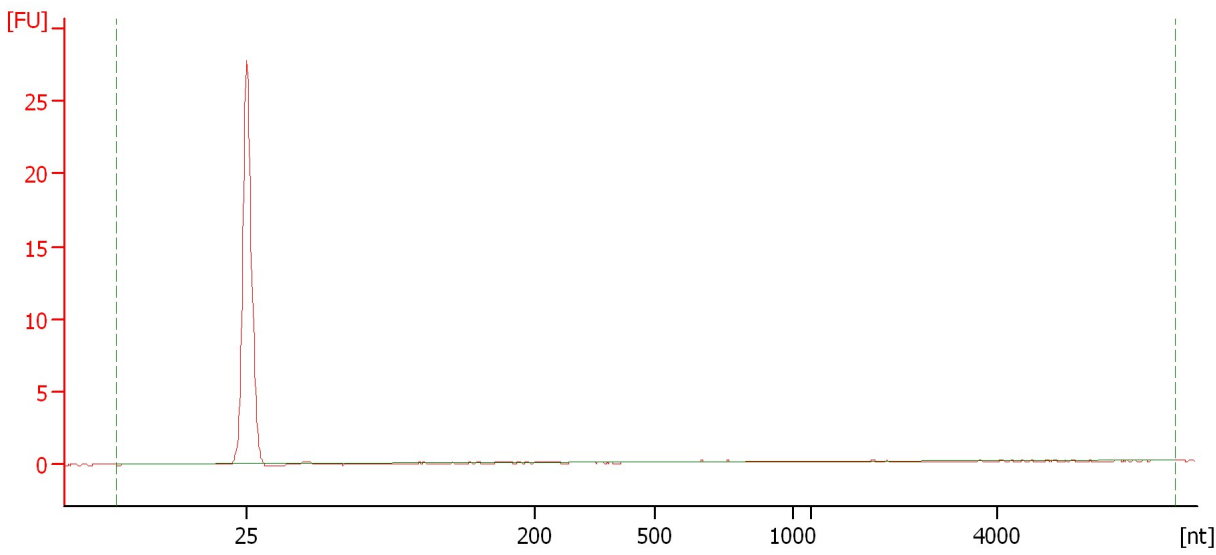
RNA Area:	3.5	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	98 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Electropherogram Summary Continued ...

Sample 11



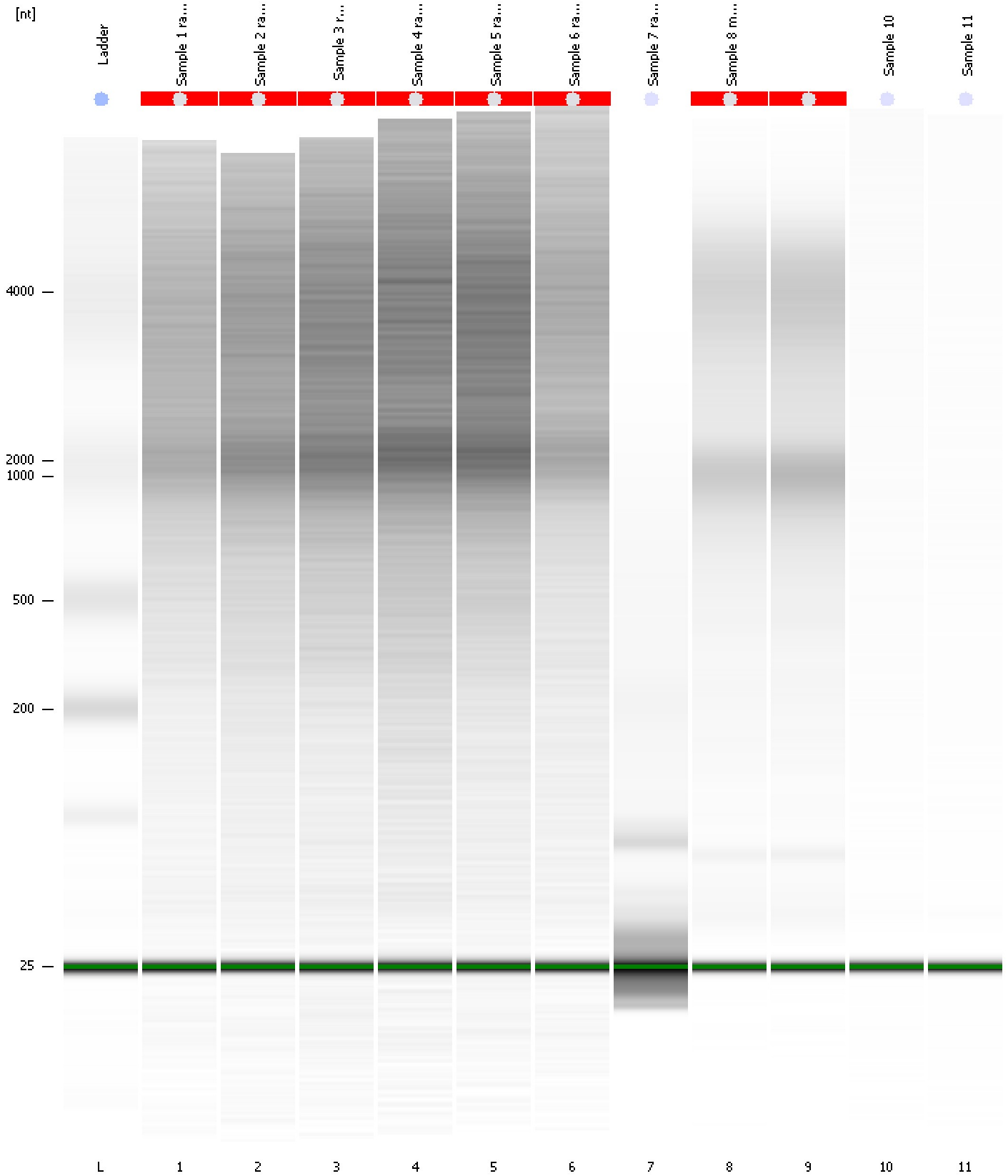
Overall Results for sample 11 : Sample 11

RNA Area:	3.2	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	90 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Gel Image

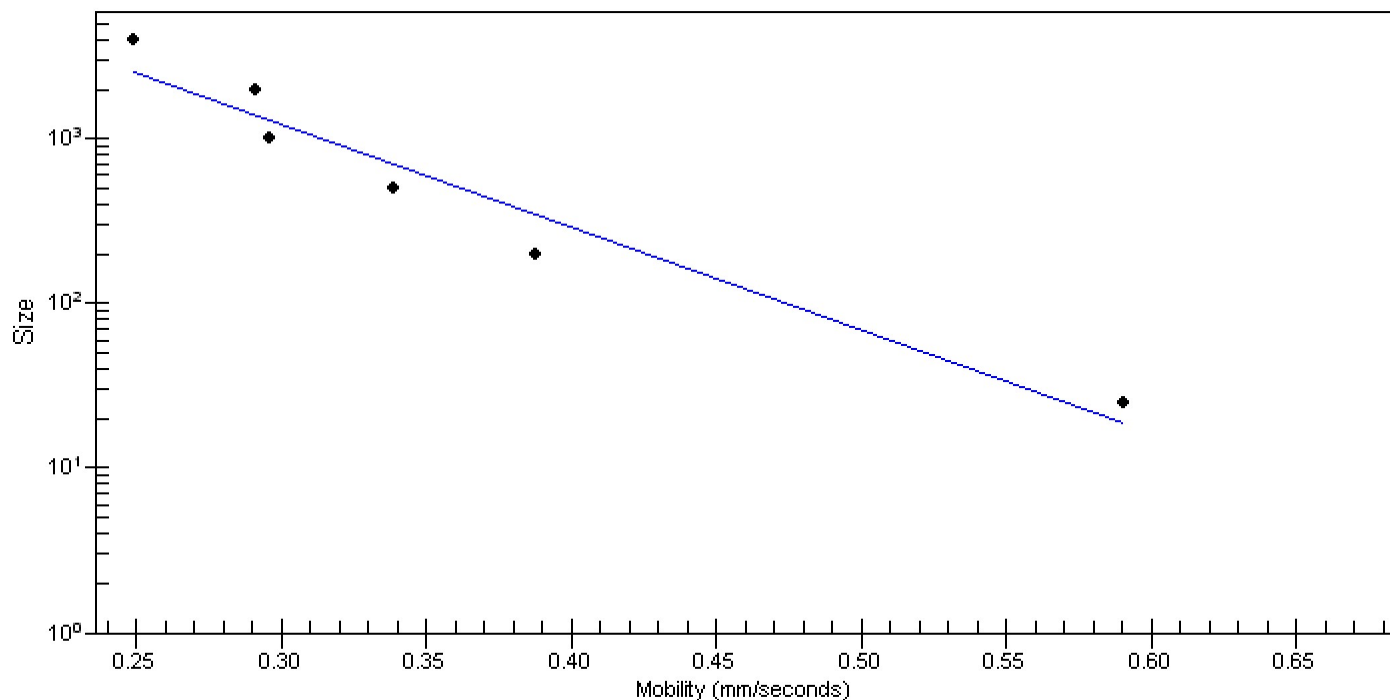


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
Modified: 9/23/2014 12:03:43 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad

Created: 9/23/2014 11:37:42 AM
 Modified: 9/23/2014 12:03:43 PM

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		9/23/2014 12:00:34 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-23\2014-09-23_002.xad)		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/23/2014 11:37:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1