

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 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)

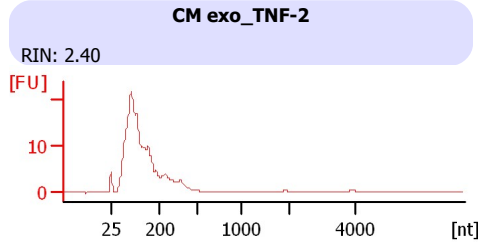
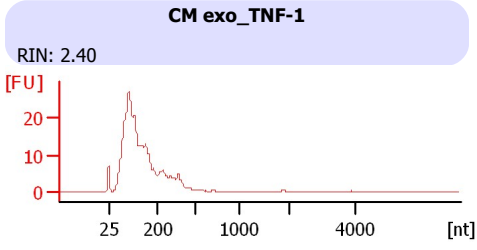
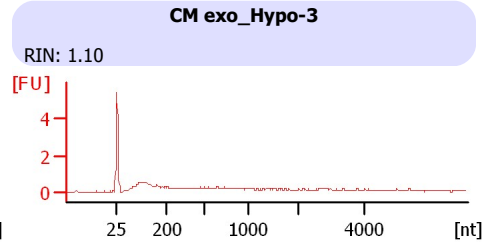
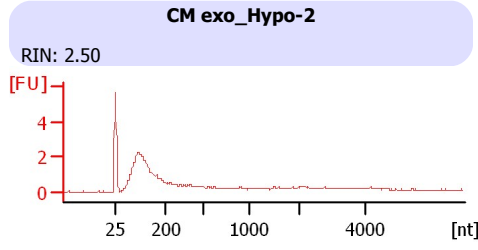
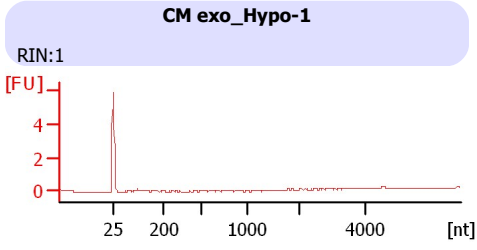
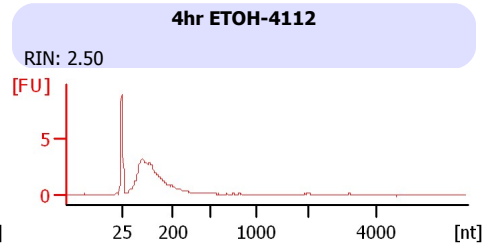
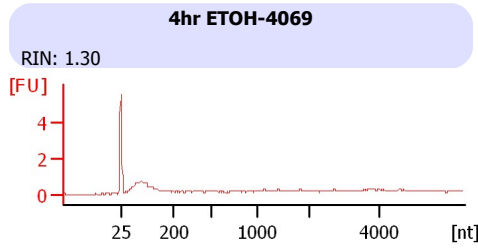
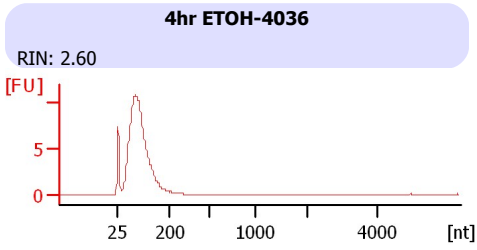
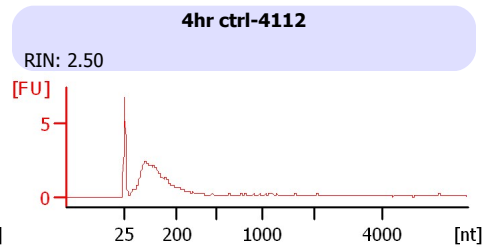
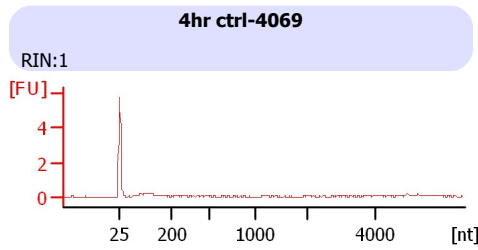
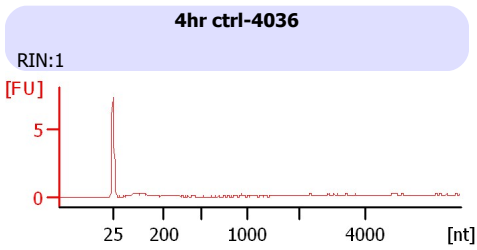
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4hr ctrl-4036		✓	RIN:1	
4hr ctrl-4069		✓	RIN:1	
4hr ctrl-4112		✓	RIN: 2.50	
4hr ETOH-4036		✓	RIN: 2.60	
4hr ETOH-4069		✓	RIN: 1.30	
4hr ETOH-4112		✓	RIN: 2.50	
CM exo_Hypo-1		✓	RIN:1	
CM exo_Hypo-2		✓	RIN: 2.50	
CM exo_Hypo-3		✓	RIN: 1.10	
CM exo_TNF-1		✓	RIN: 2.40	
CM exo_TNF-2		✓	RIN: 2.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

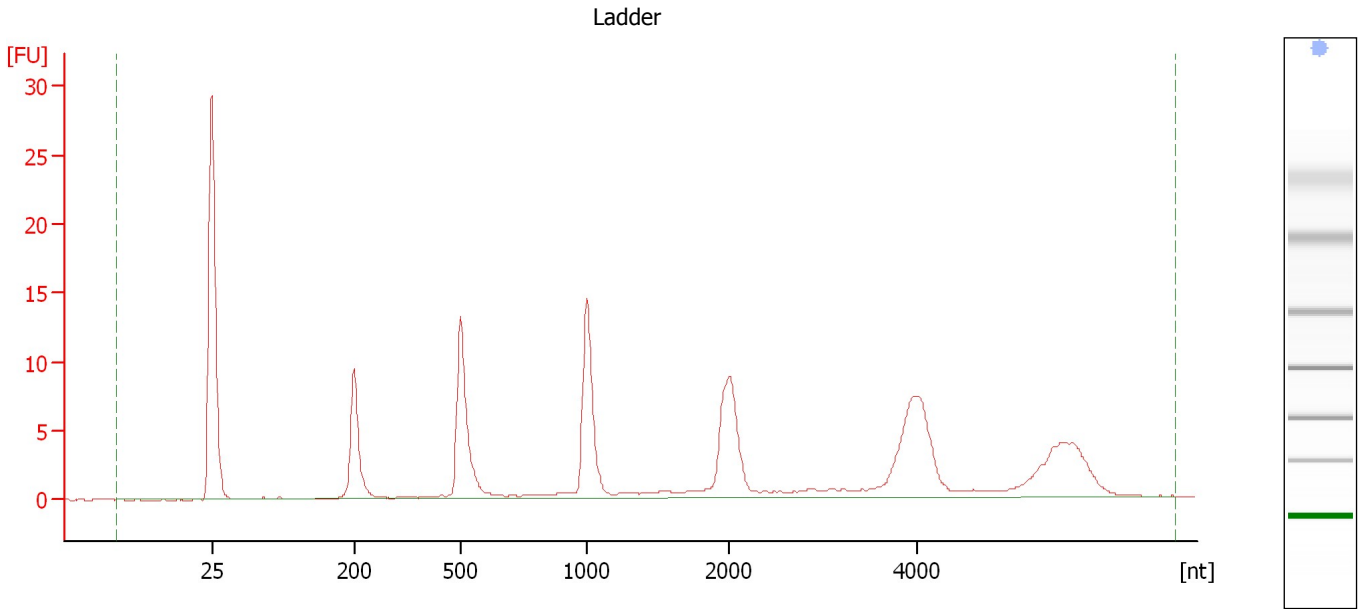
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

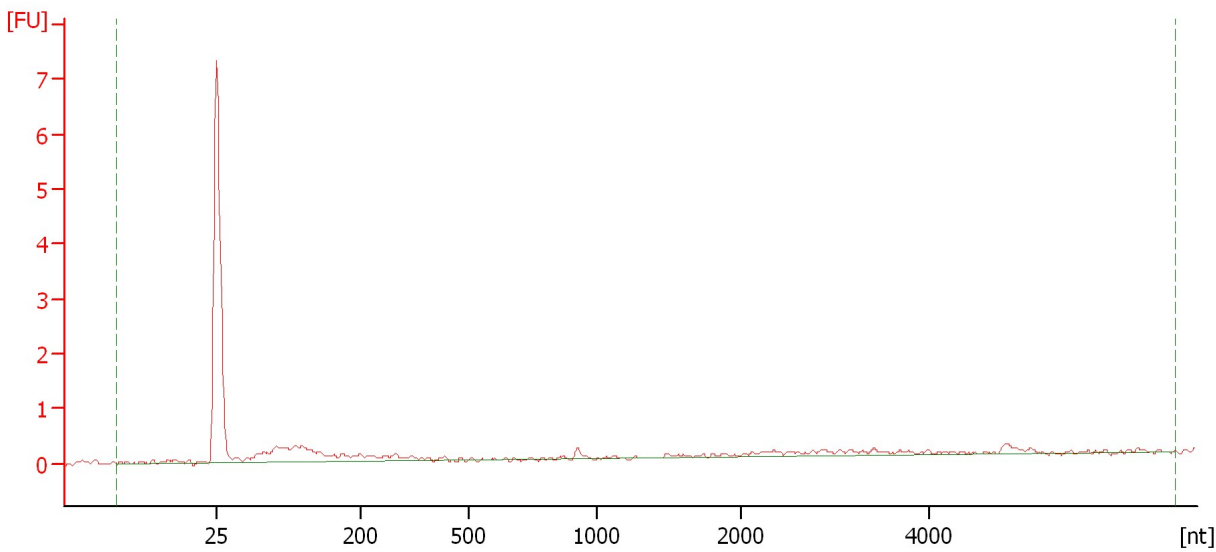
RNA Area:	123.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

4hr ctrl-4036



Overall Results for sample 1 : 4hr ctrl-4036

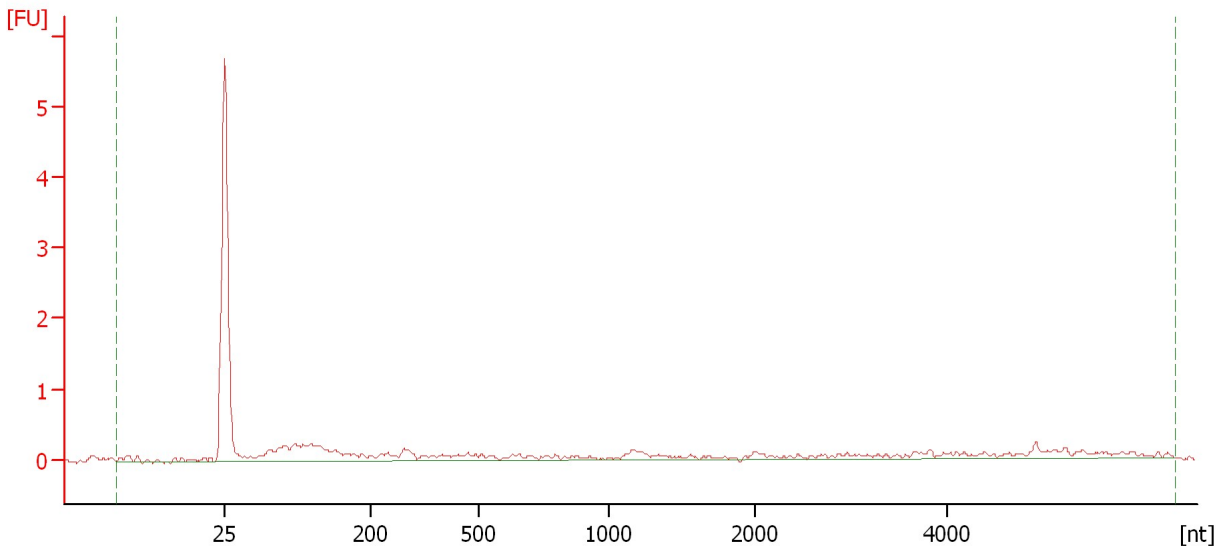
RNA Area:	7.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	58 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

4hr ctrl-4069



Overall Results for sample 2 : 4hr ctrl-4069

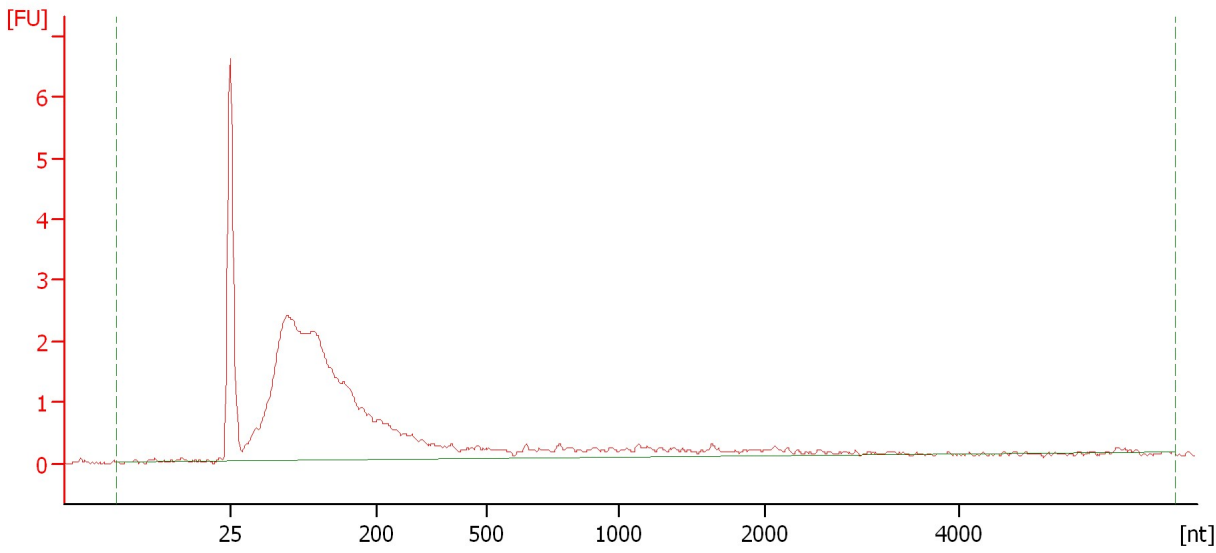
RNA Area:	7.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	63 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
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Electropherogram Summary Continued ...

4hr ctrl-4112



Overall Results for sample 3 : 4hr ctrl-4112

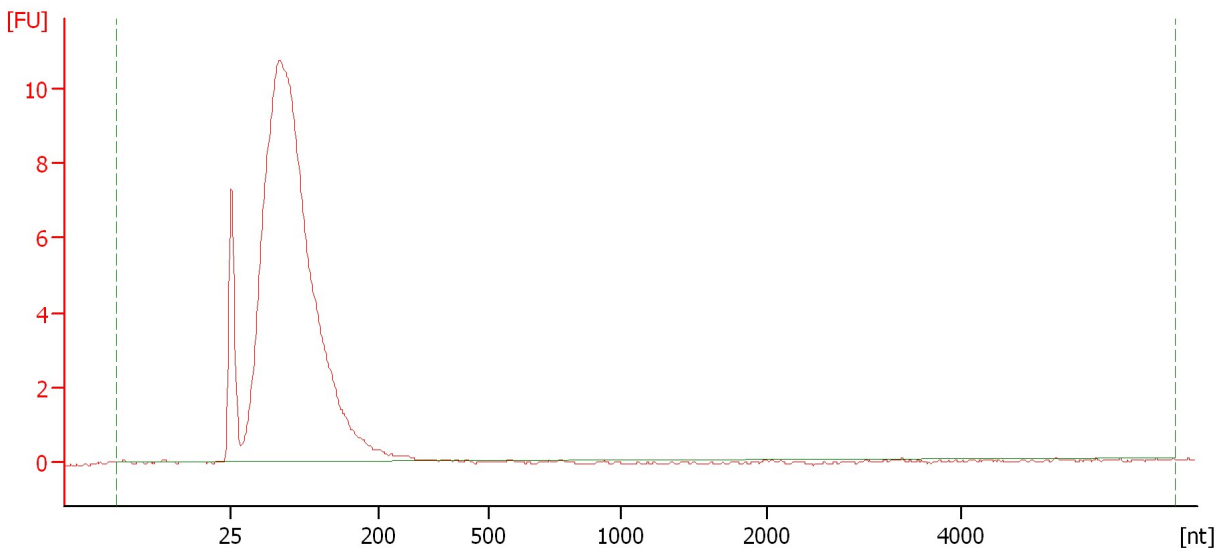
RNA Area:	39.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	319 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 PM

Electropherogram Summary Continued ...

4hr ETOH-4036



Overall Results for sample 4 : 4hr ETOH-4036

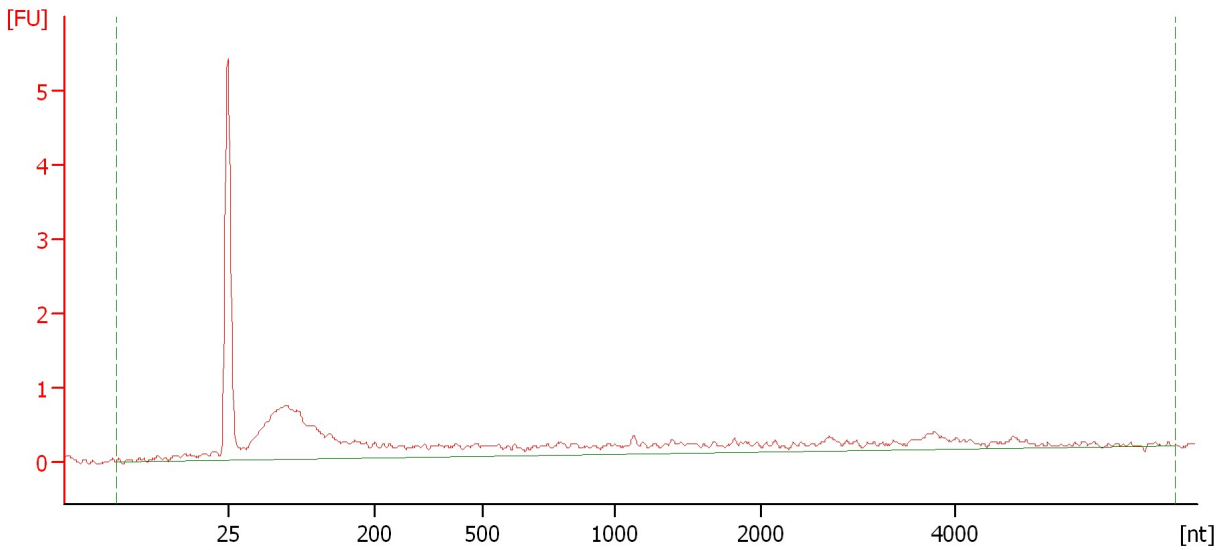
RNA Area:	99.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	811 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 PM

Electropherogram Summary Continued ...

4hr ETOH-4069



Overall Results for sample 5 : 4hr ETOH-4069

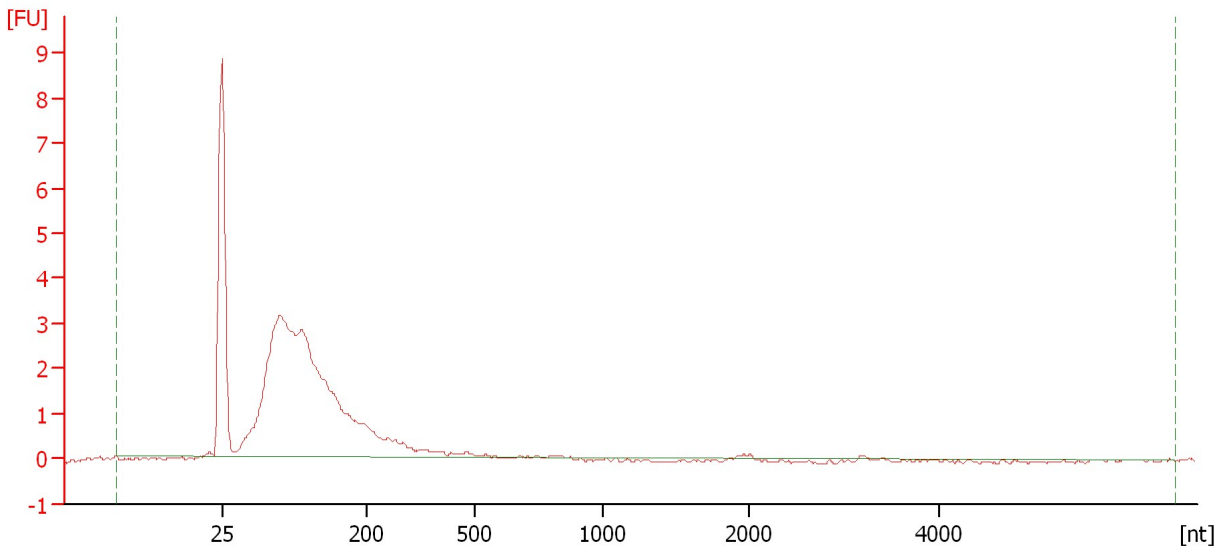
RNA Area:	18.6	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	151 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 PM

Electropherogram Summary Continued ...

4hr ETOH-4112



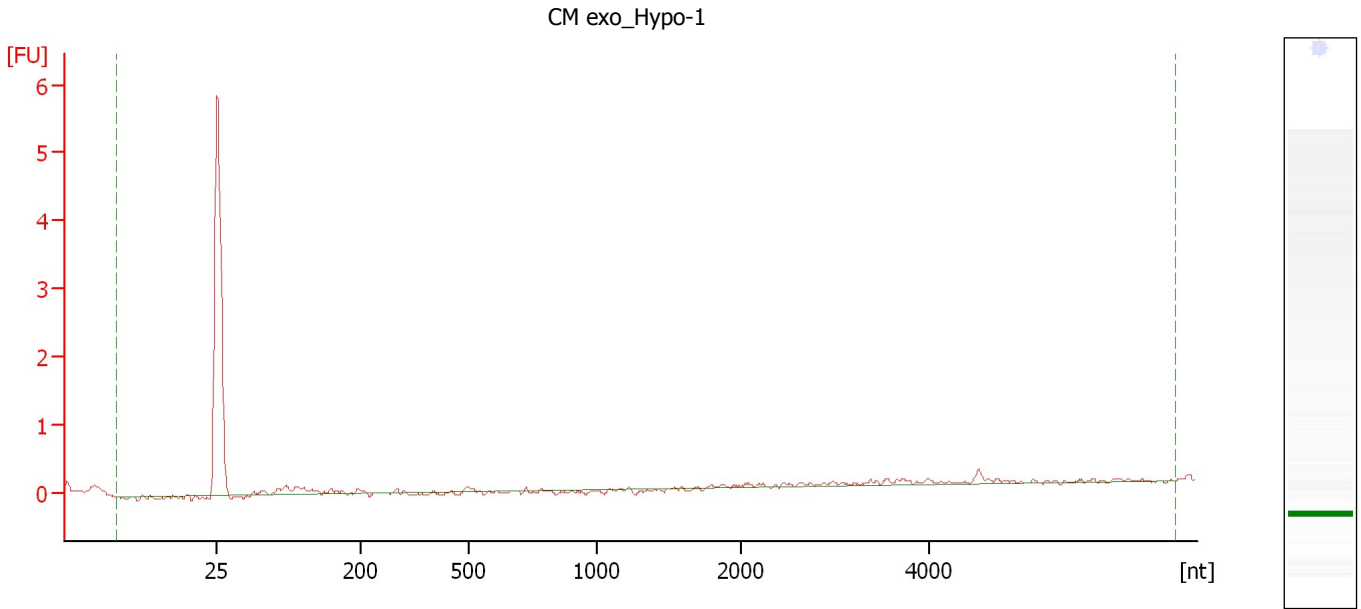
Overall Results for sample 6 : 4hr ETOH-4112

RNA Area:	40.0	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	325 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 PM

Electropherogram Summary Continued ...



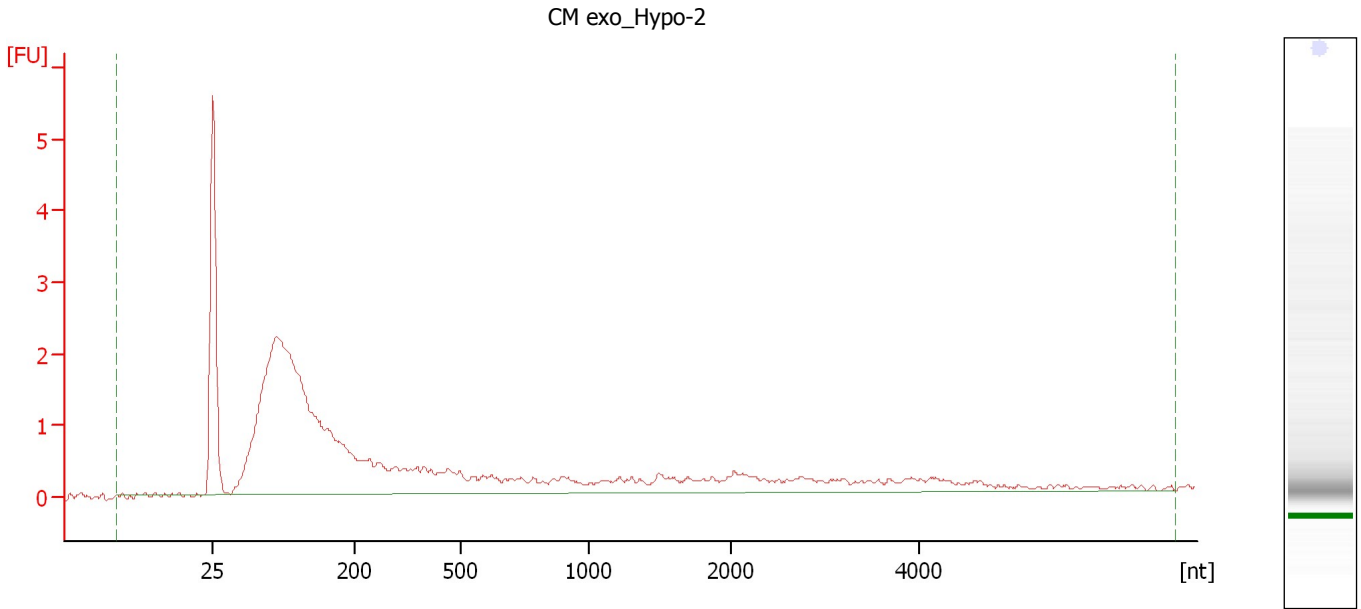
Overall Results for sample 7 : CM exo Hypo-1

RNA Area:	2.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	20 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:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
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Electropherogram Summary Continued ...



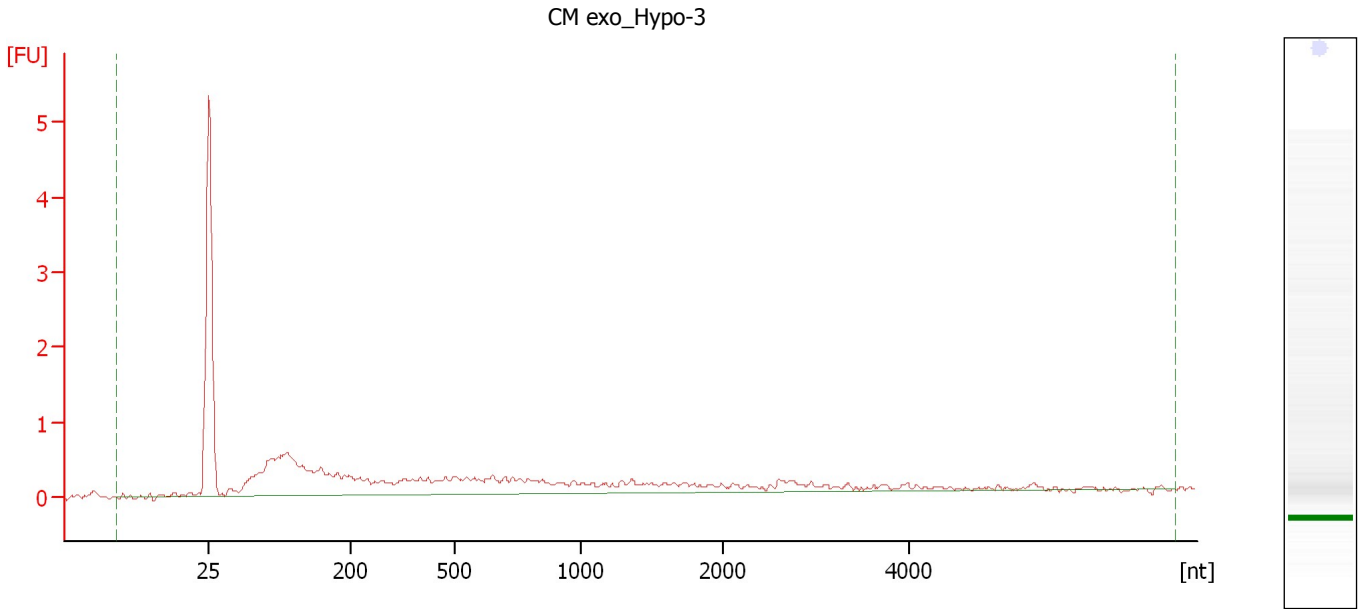
Overall Results for sample 8 : CM exo Hypo-2

RNA Area:	39.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	318 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
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Created: 4/12/2016 12:00:12 PM
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Electropherogram Summary Continued ...



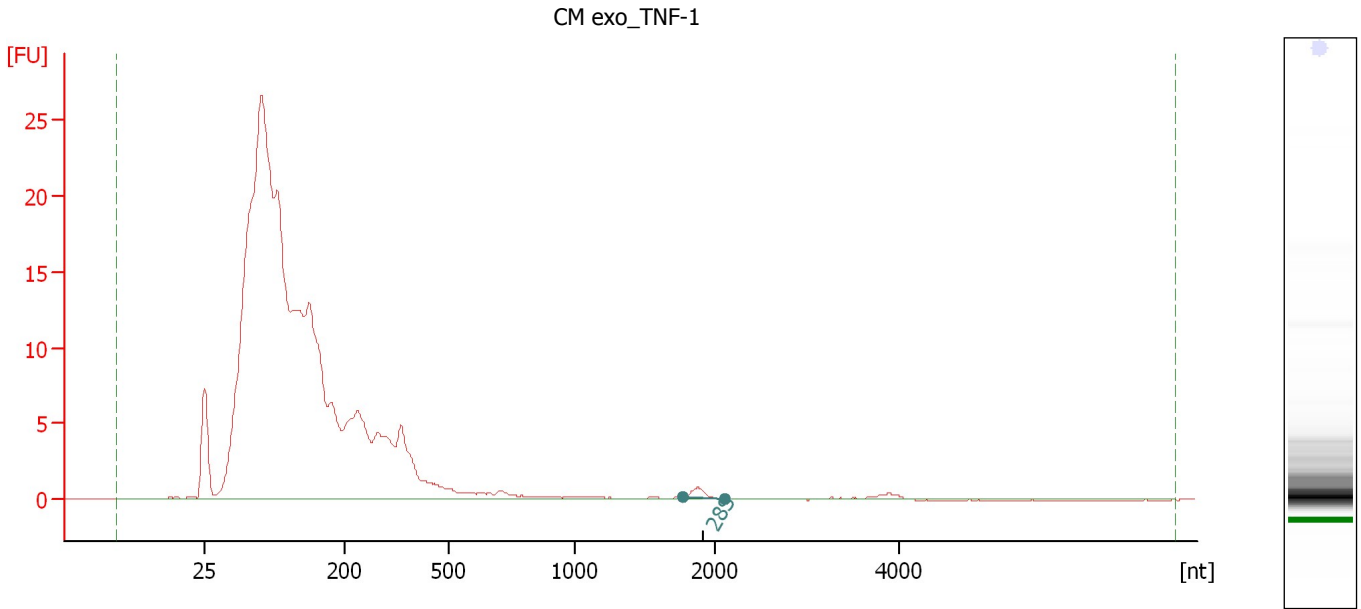
Overall Results for sample 9 : CM exo Hypo-3

RNA Area:	15.6	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	126 µg/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:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : CM exo TNF-1

RNA Area: 325.8 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 2,646 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.40

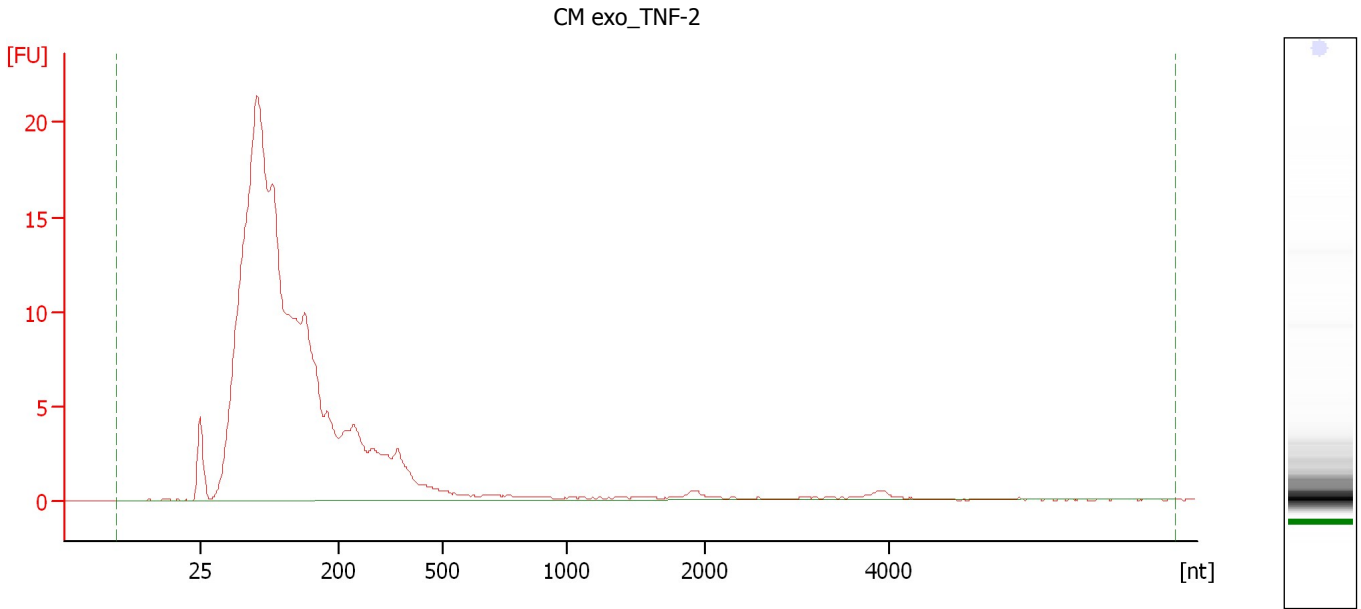
Fragment table for sample 10 : CM exo TNF-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,771	2,116	1.1	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : CM exo TNF-2

RNA Area:	261.1	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	2,120 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

Created: 4/12/2016 12:00:12 PM
Modified: 4/12/2016 12:23:05 PM

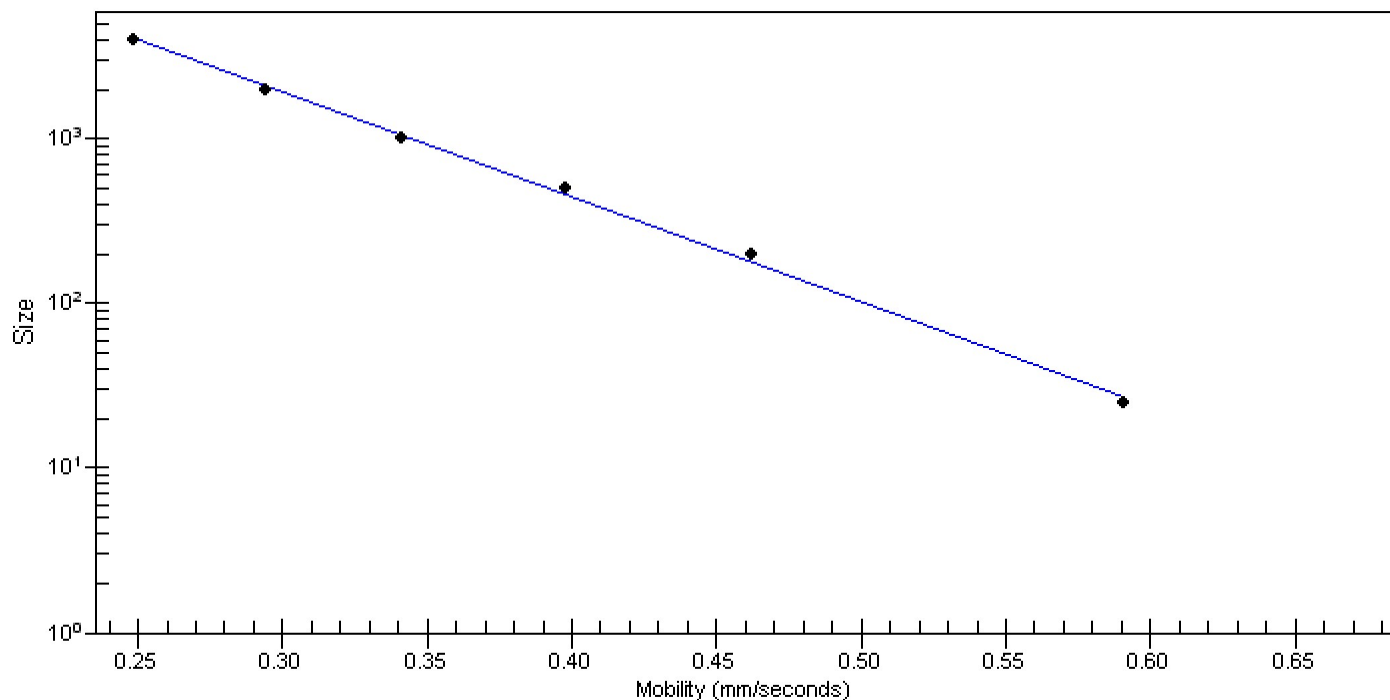
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad

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Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
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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		4/12/2016 12:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-04-12\2016-04-12_003.xad)		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/12/2016 12:00:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1