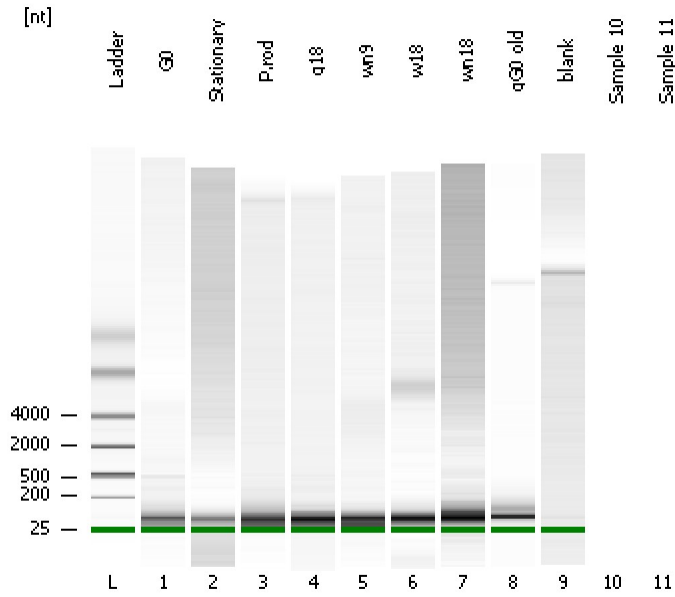


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

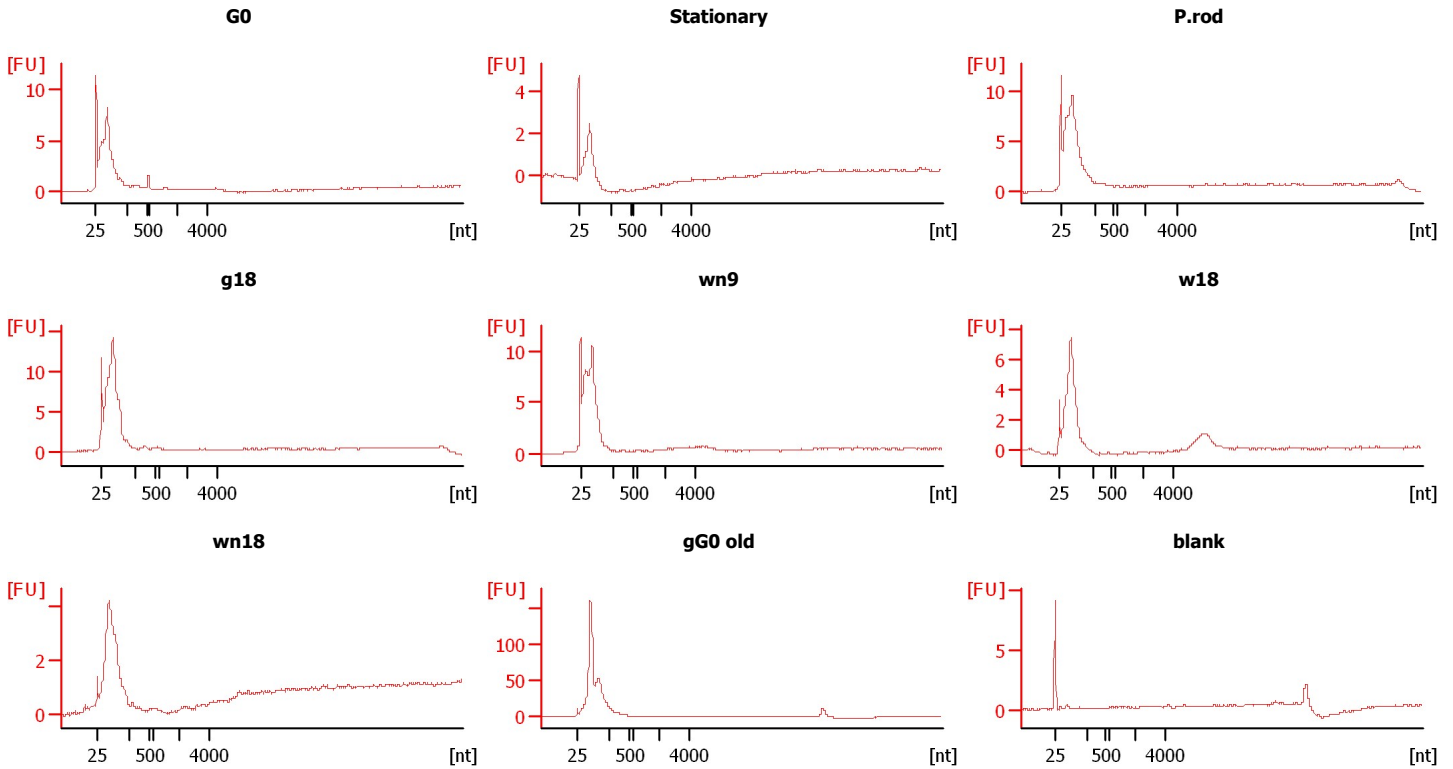
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
G0		✓		
Stationary		✓		
P.rod		✓		
g18		✓		
wn9		✓		
w18		✓		
wn18		✓		
gG0 old		✓		
blank		✓		
Sample 10				
Sample 11				
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
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] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

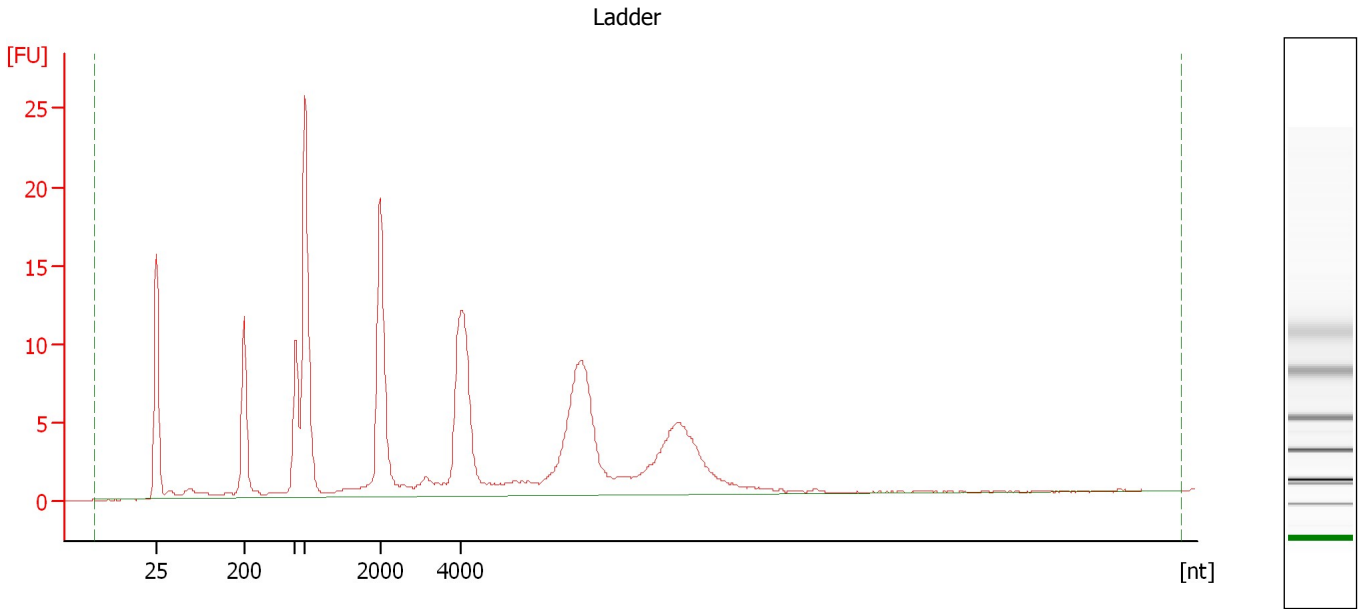
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary



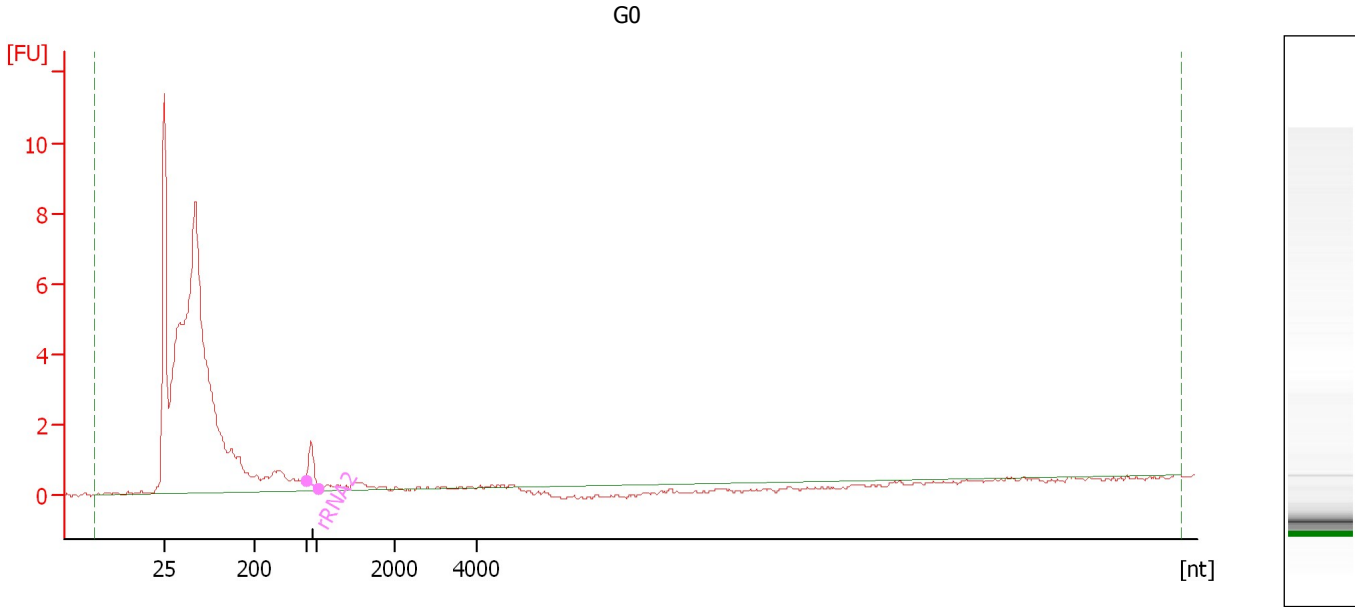
Overall Results for Ladder

RNA Area: 236.3 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : G0

RNA Area: 81.0 rRNA Contamination: 1.8 %
RNA Concentration: 343 pg/μl

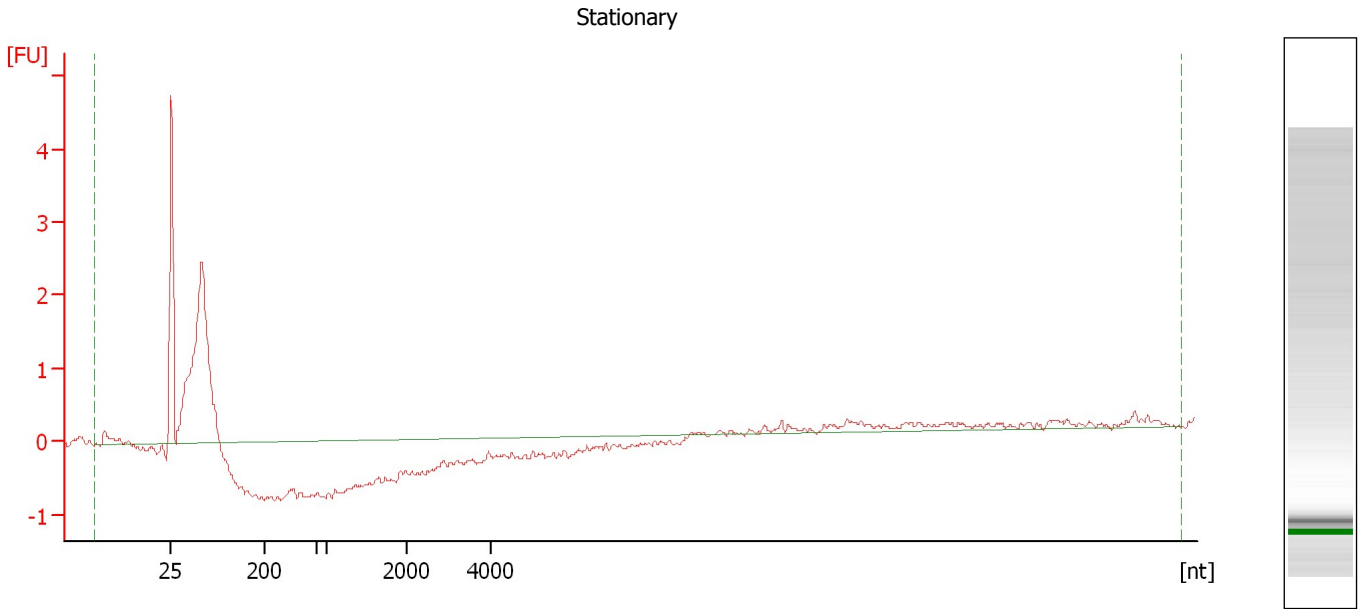
Fragment table for sample 1 : G0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	493	1,023	1.4	1.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



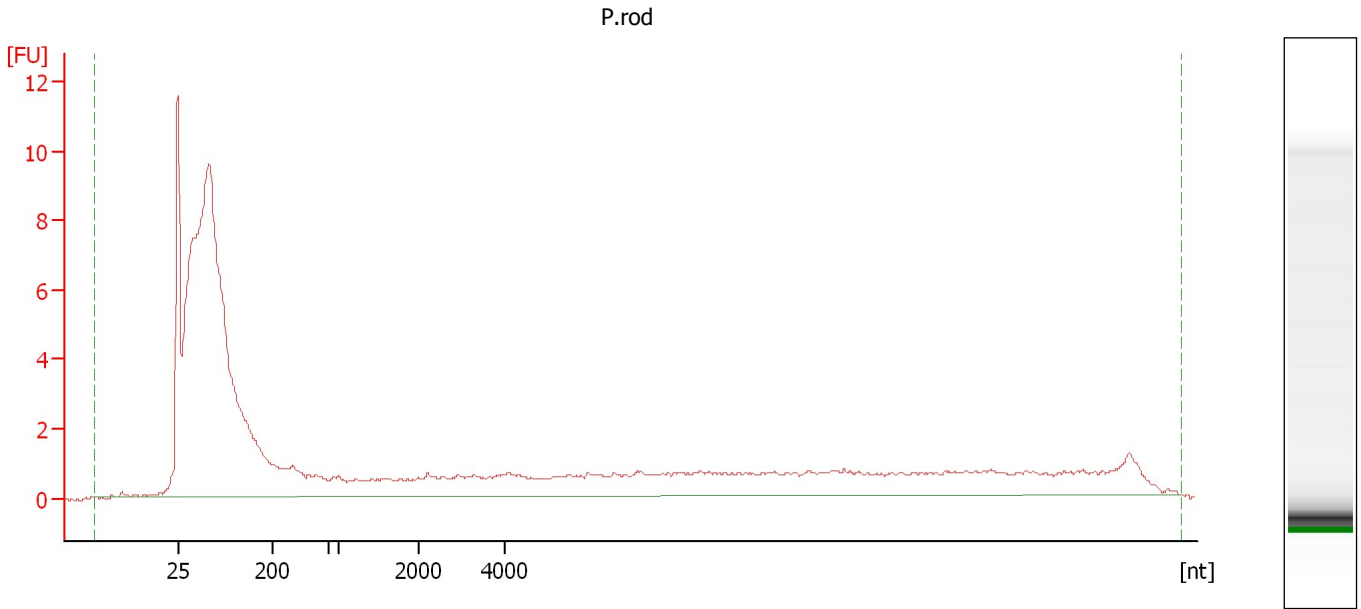
Overall Results for sample 2 : Stationary

RNA Area:	16.3	rRNA Contamination:	0.0 %
RNA Concentration:	69 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P.rod

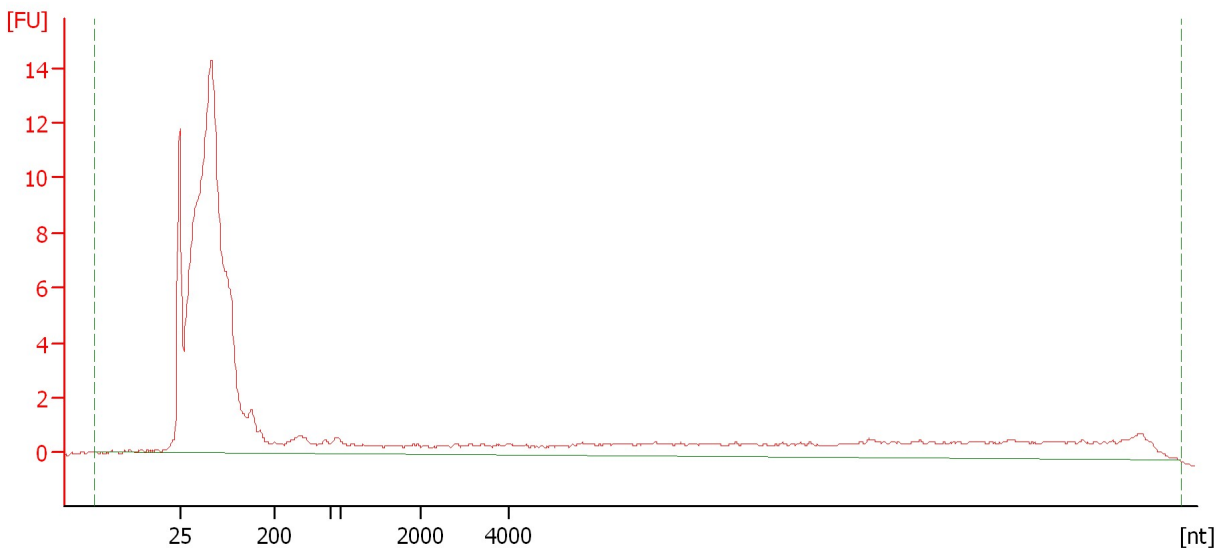
RNA Area:	178.2	rRNA Contamination:	0.0 %
RNA Concentration:	754 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...

g18



Overall Results for sample 4 : g18

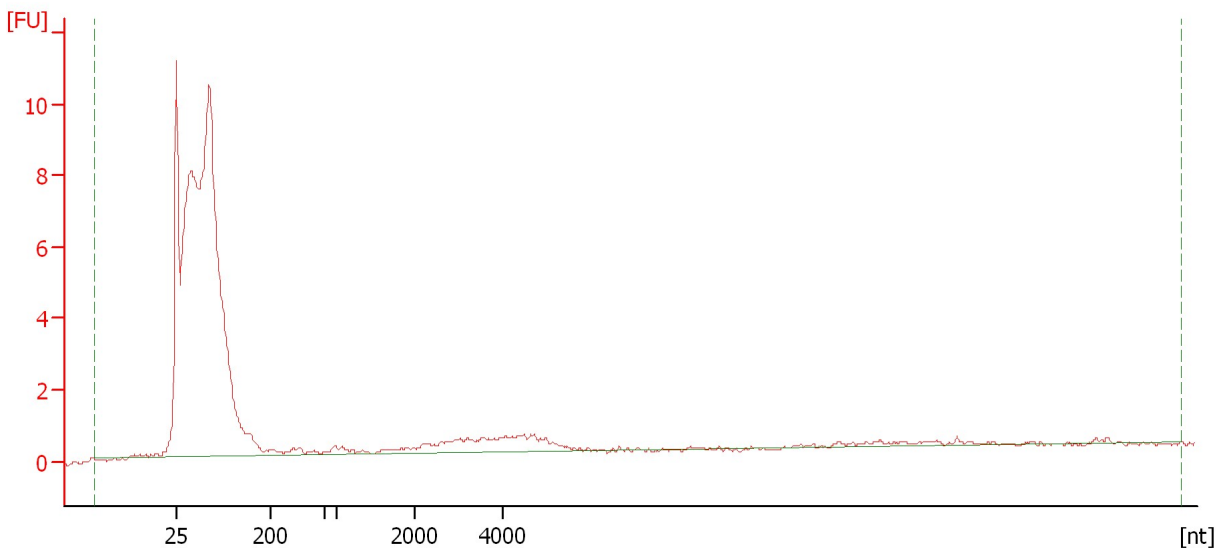
RNA Area: 180.5 rRNA Contamination: 0.0 %
RNA Concentration: 764 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...

wn9



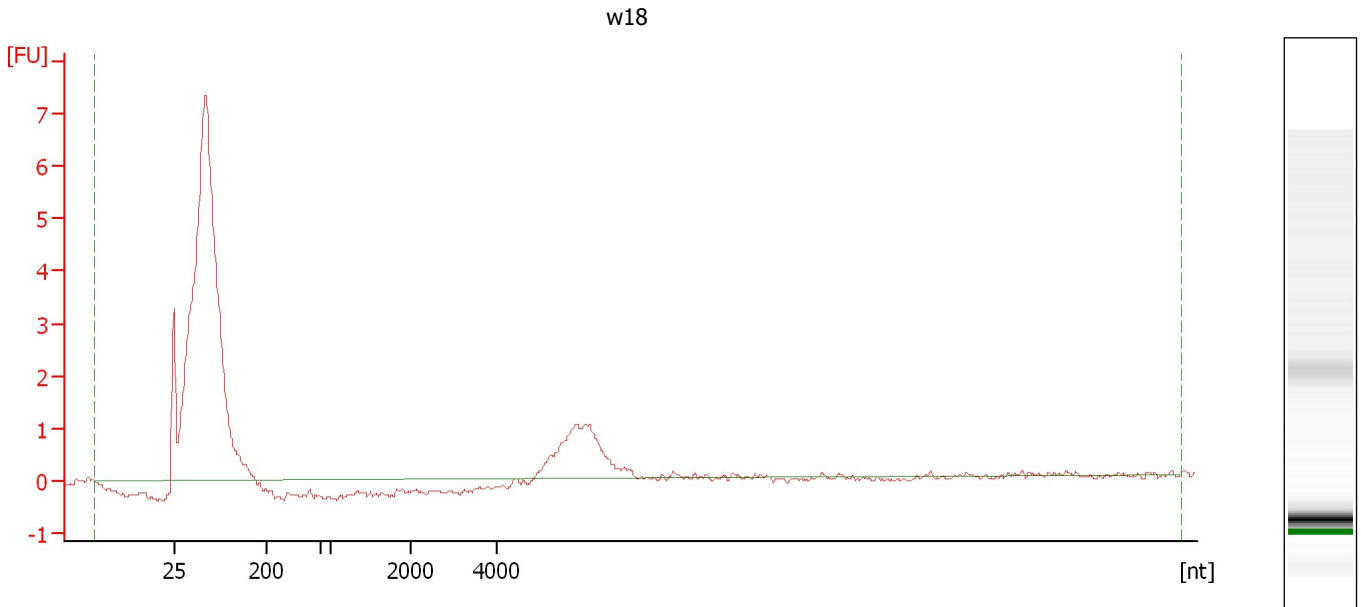
Overall Results for sample 5 : wn9

RNA Area: 111.2 rRNA Contamination: 0.0 %
RNA Concentration: 471 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



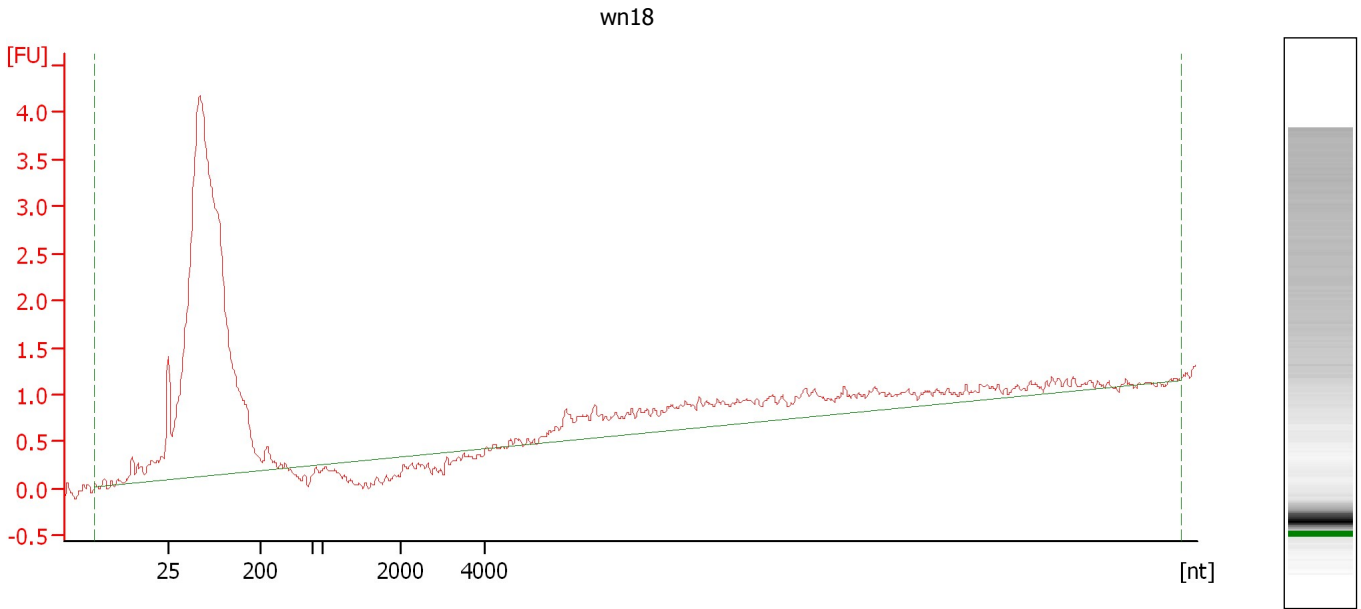
Overall Results for sample 6 : w18

RNA Area:	63.1	rRNA Contamination:	0.0 %
RNA Concentration:	267 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



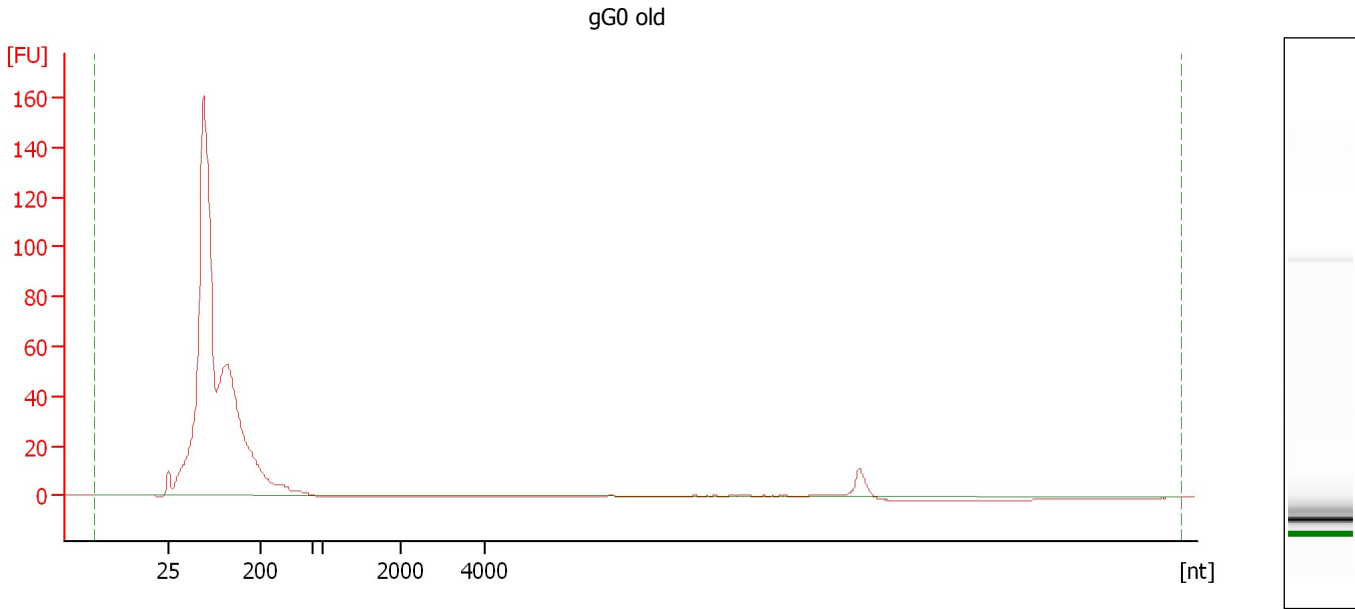
Overall Results for sample 7 : wn18

RNA Area:	55.7	rRNA Contamination:	0.0 %
RNA Concentration:	236 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



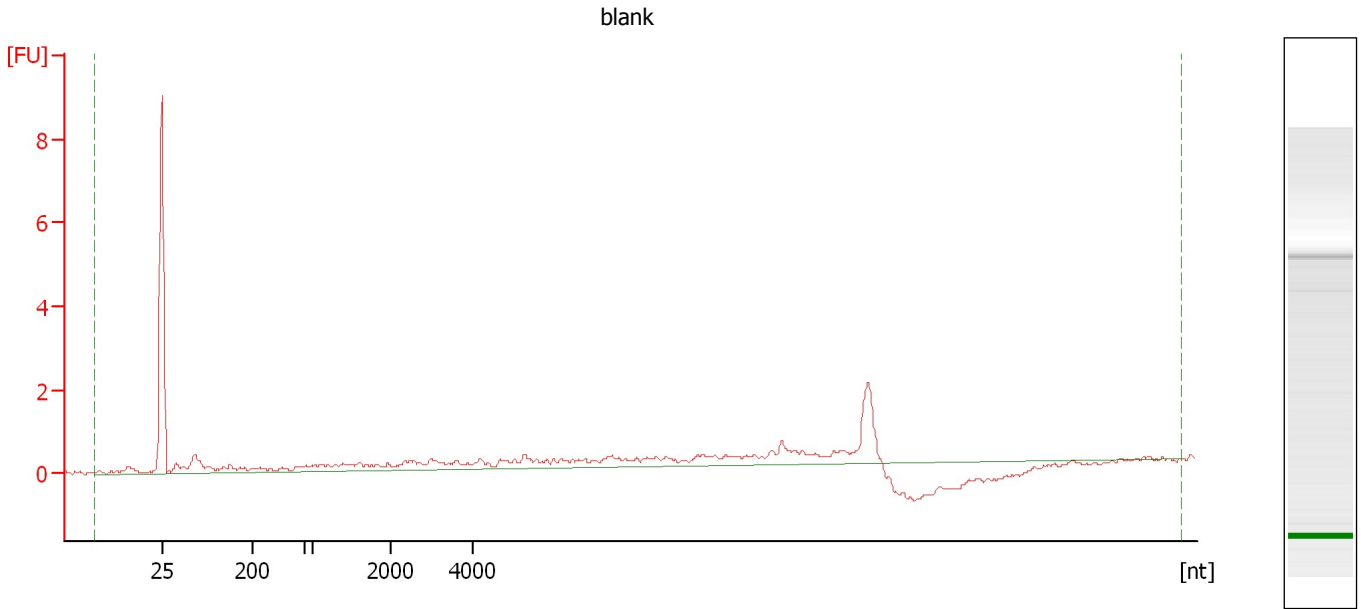
Overall Results for sample 8 : gG0 old

RNA Area: 1,094.7 rRNA Contamination: 0.0 %
RNA Concentration: 4,632 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Electropherogram Summary Continued ...



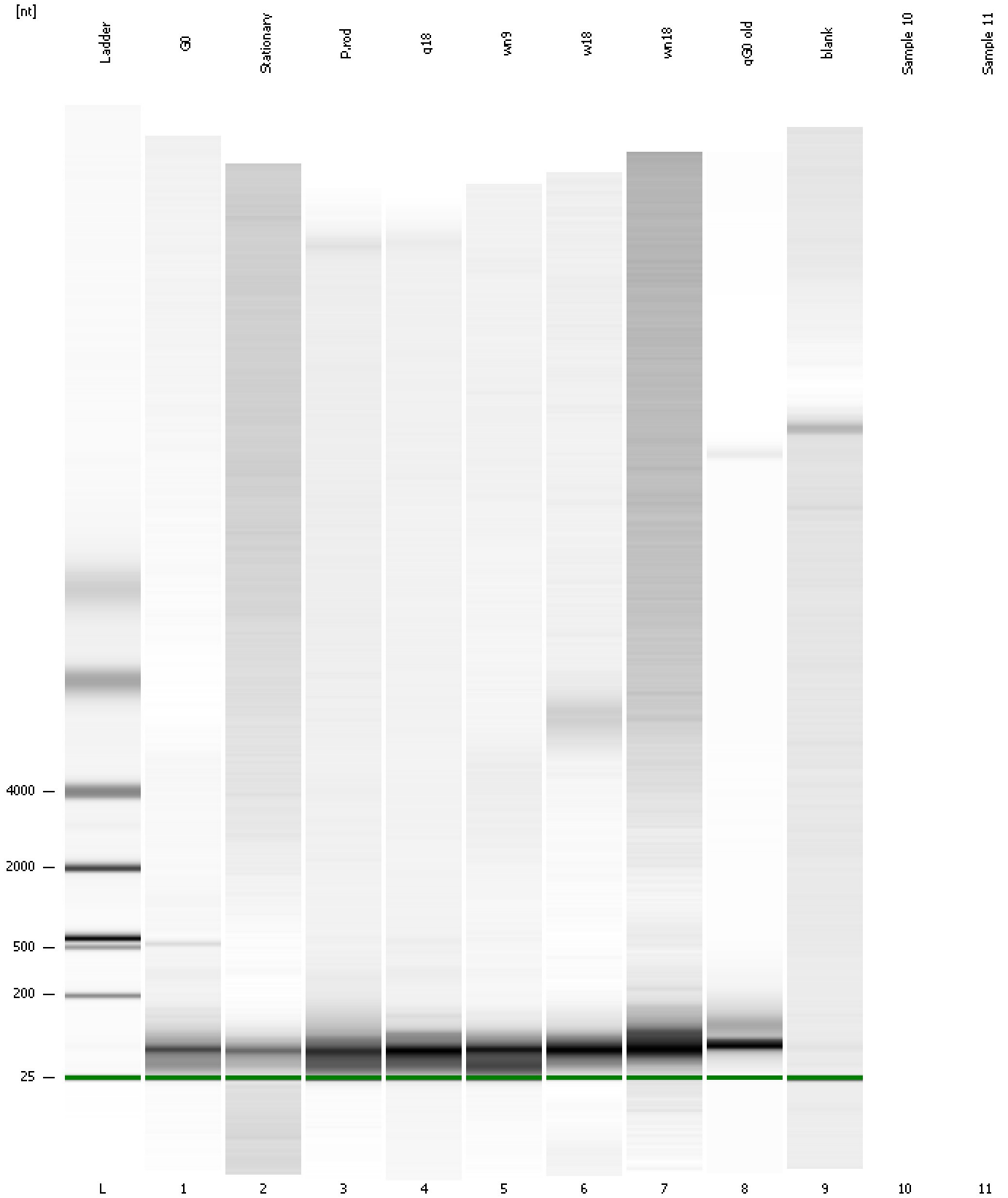
Overall Results for sample 9 : blank

RNA Area: 20.4 rRNA Contamination: 0.0 %
RNA Concentration: 86 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Gel Image



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
Modified: 5/20/2016 4:31:52 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-20\2016-05-20_005.xad

Created: 5/20/2016 4:09:16 PM
 Modified: 5/20/2016 4:31:52 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		5/20/2016 4:31:48 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\2016-05-20\2016-05-20_005.xad)		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/20/2016 4:09:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1