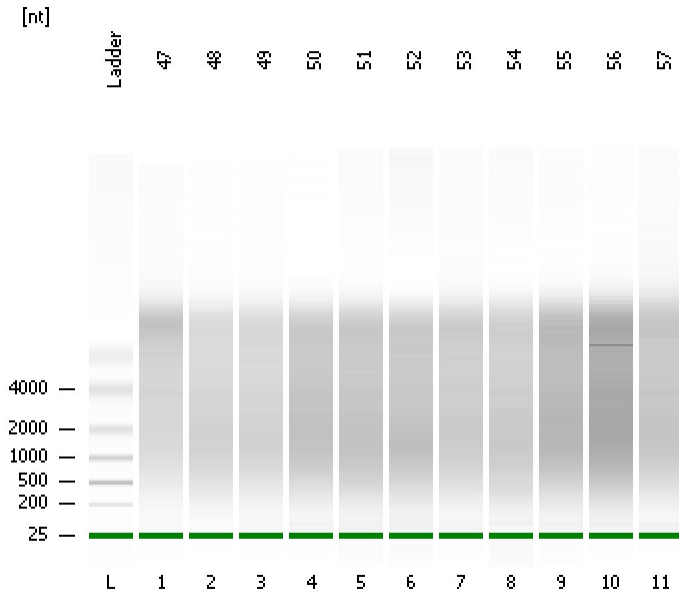


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

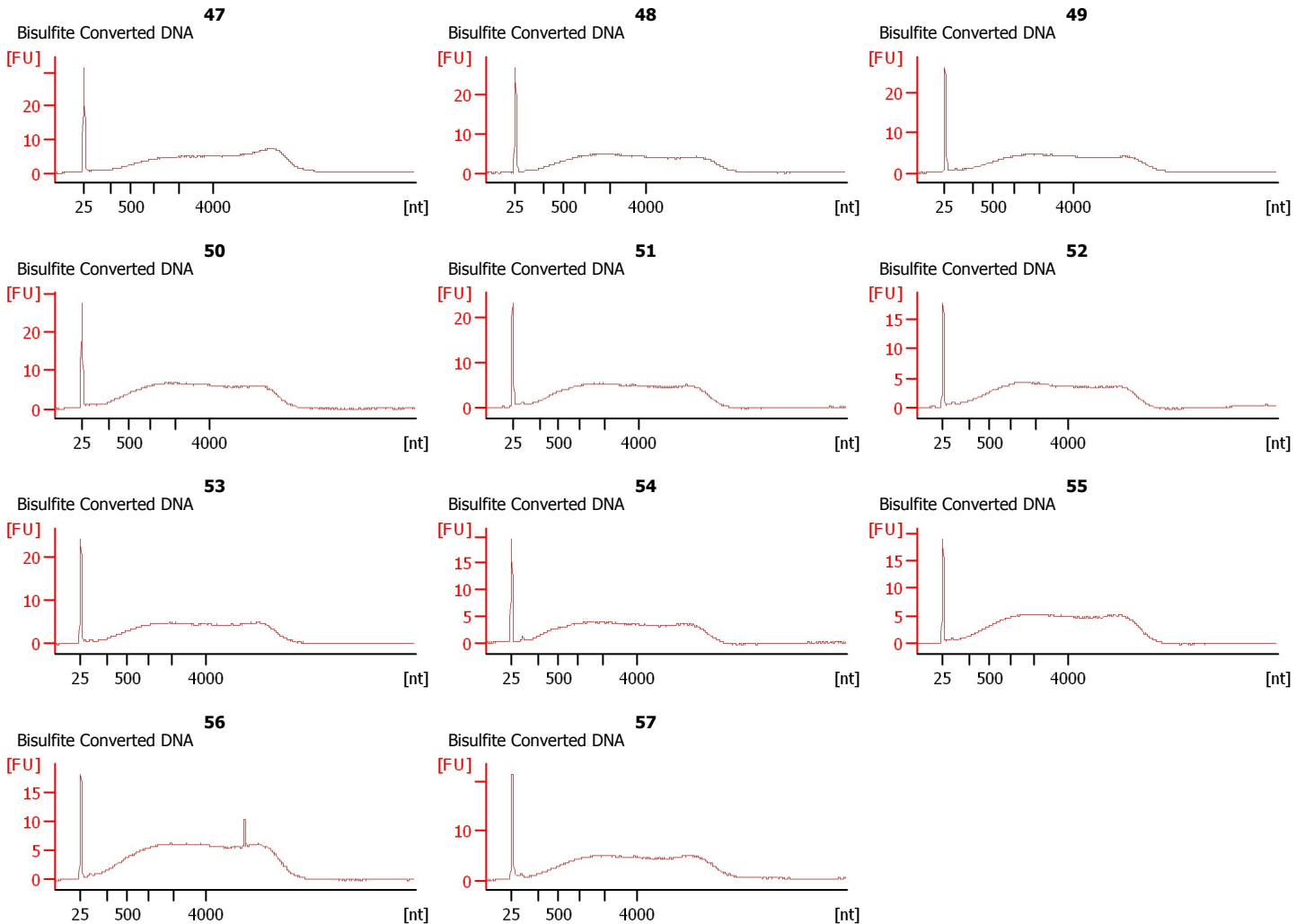
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
47	Bisulfite Converted DNA	✓		
48	Bisulfite Converted DNA	✓		
49	Bisulfite Converted DNA	✓		
50	Bisulfite Converted DNA	✓		
51	Bisulfite Converted DNA	✓		
52	Bisulfite Converted DNA	✓		
53	Bisulfite Converted DNA	✓		
54	Bisulfite Converted DNA	✓		
55	Bisulfite Converted DNA	✓		
56	Bisulfite Converted DNA	✓		
57	Bisulfite Converted DNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

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

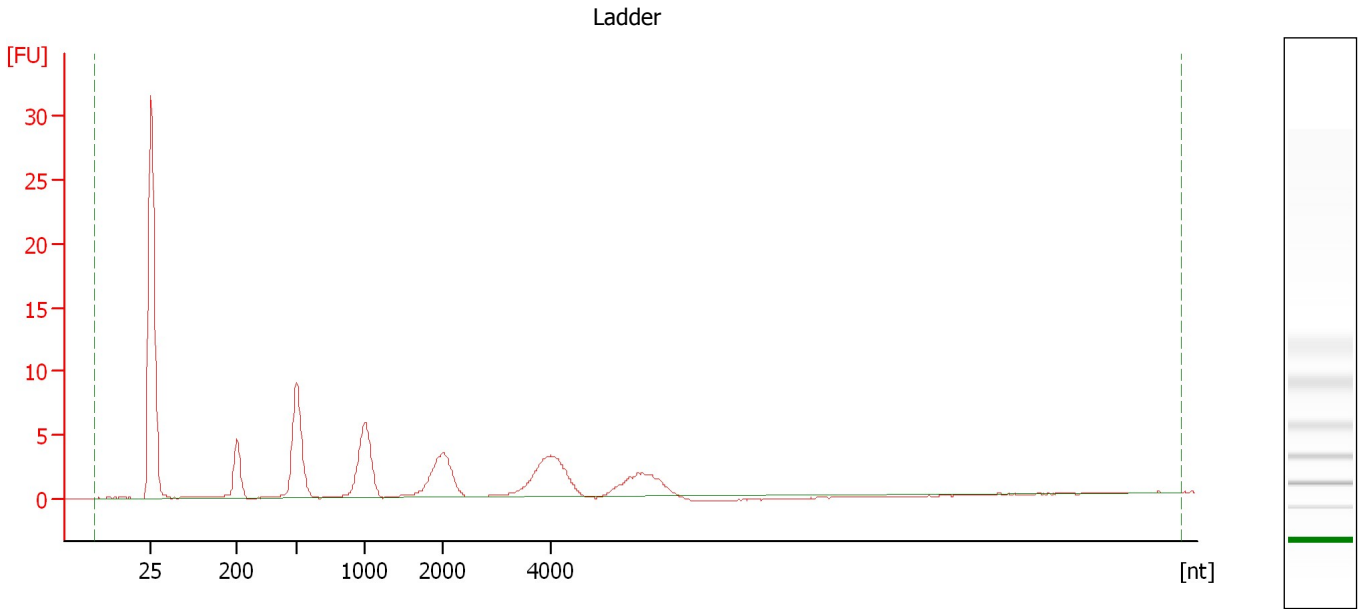
Ladder

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\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary



Overall Results for Ladder

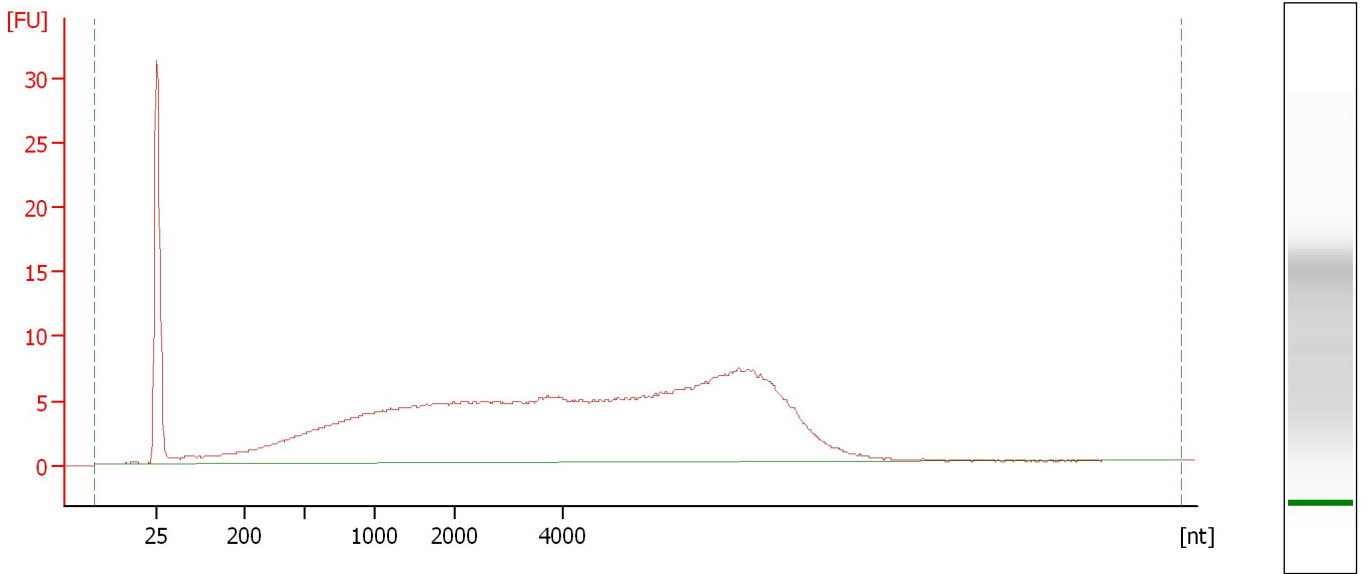
RNA Area: 88.6 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

47 [Bisulfite Converted DNA]



Overall Results for sample 1 : 47

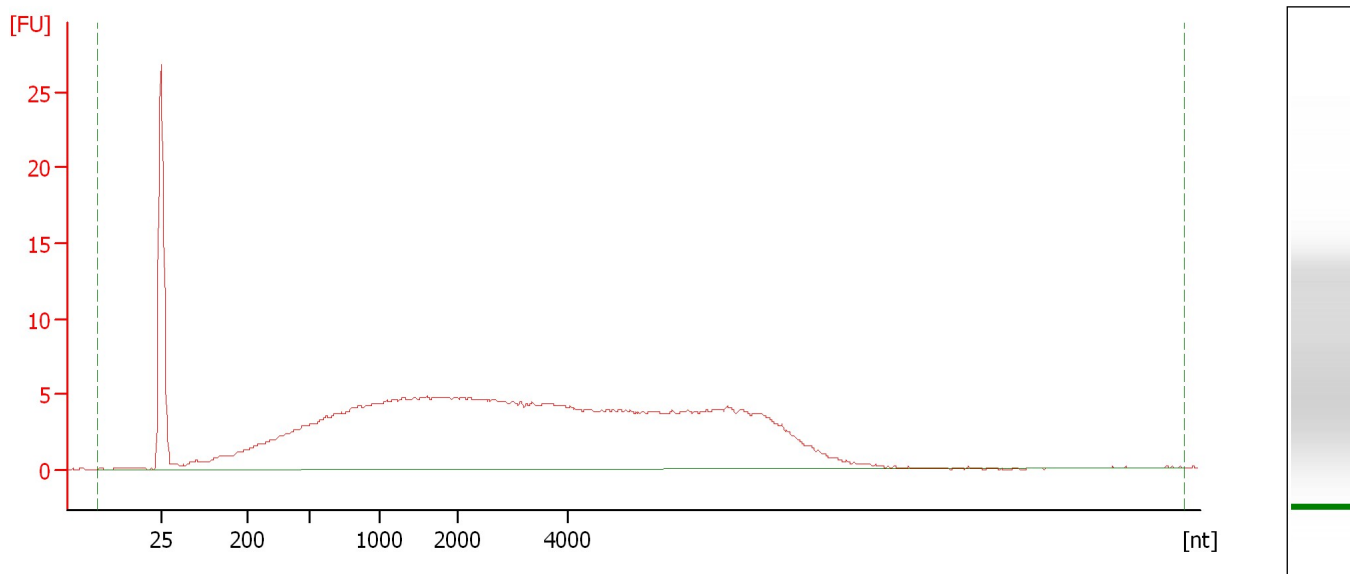
RNA Area:	386.3	rRNA Contamination:	0.0 %
RNA Concentration:	4,361 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

48 [Bisulfite Converted DNA]



Overall Results for sample 2 : 48

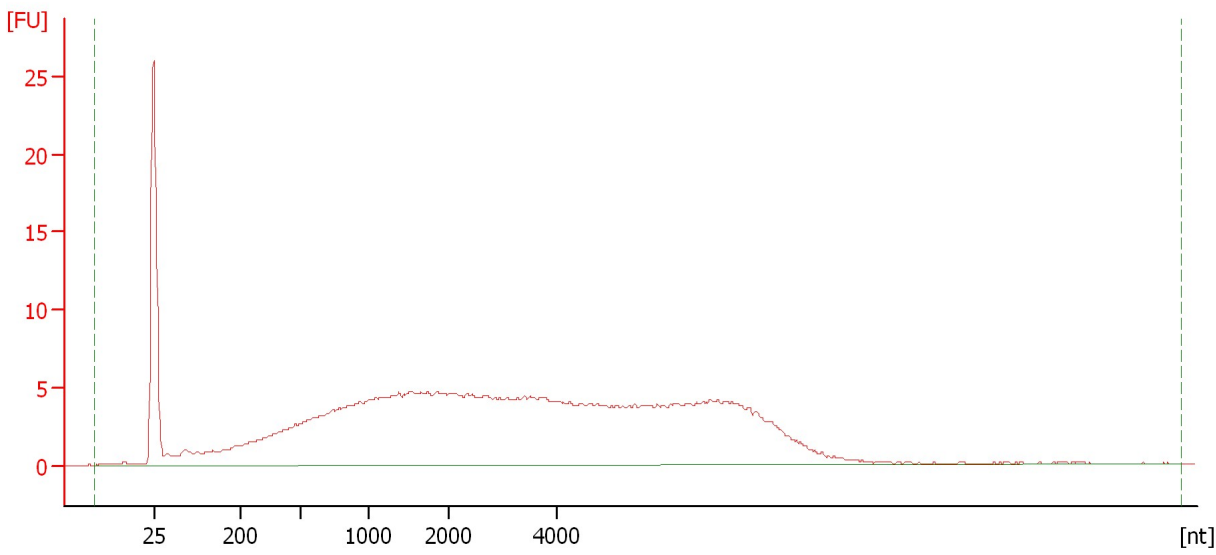
RNA Area:	340.1	rRNA Contamination:	0.0 %
RNA Concentration:	3,840 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

49 [Bisulfite Converted DNA]



Overall Results for sample 3 : 49

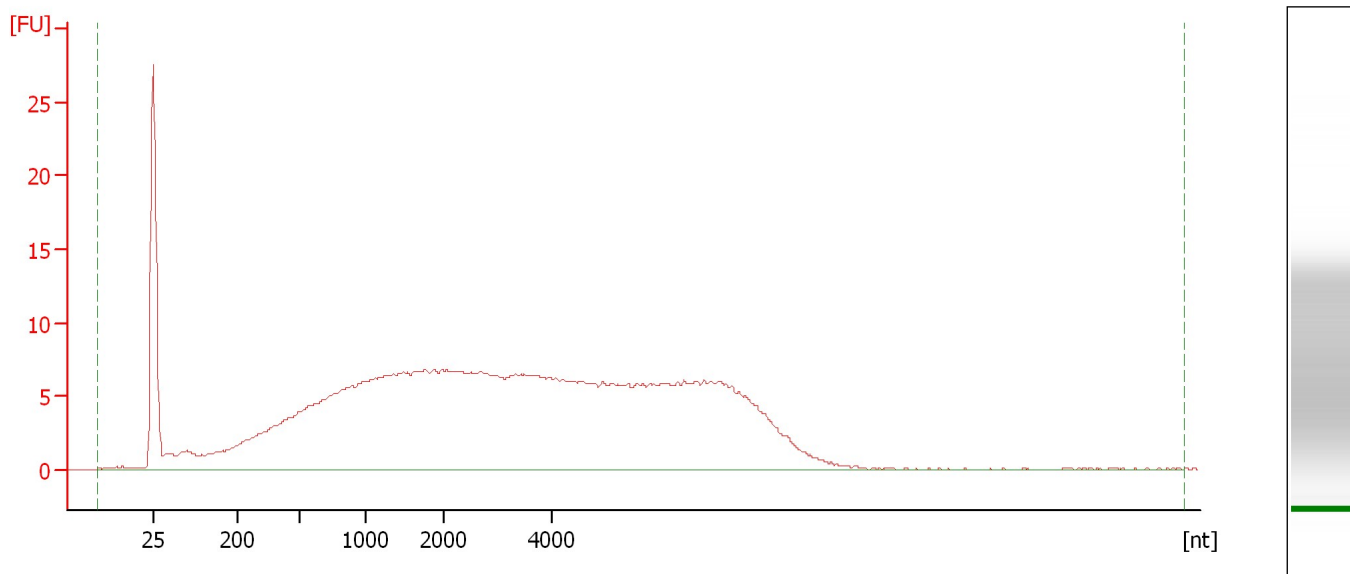
RNA Area:	333.8	rRNA Contamination:	0.0 %
RNA Concentration:	3,768 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

50 [Bisulfite Converted DNA]



Overall Results for sample 4 : 50

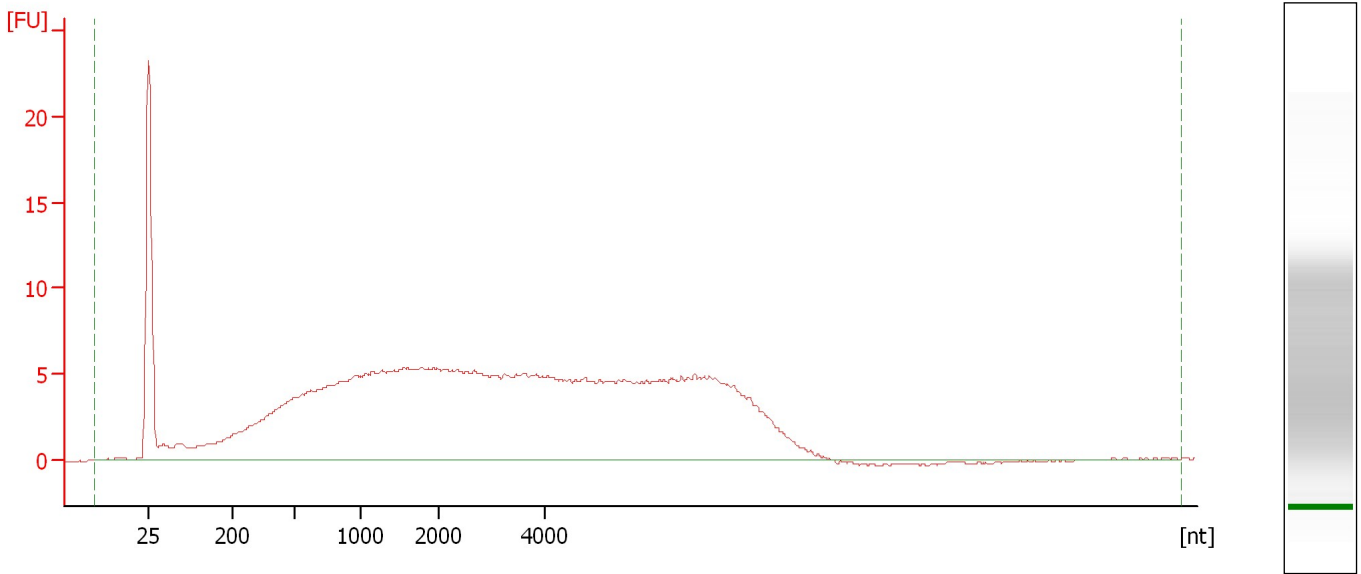
RNA Area: 489.2 rRNA Contamination: 0.0 %
RNA Concentration: 5,523 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

51 [Bisulfite Converted DNA]



Overall Results for sample 5 : 51

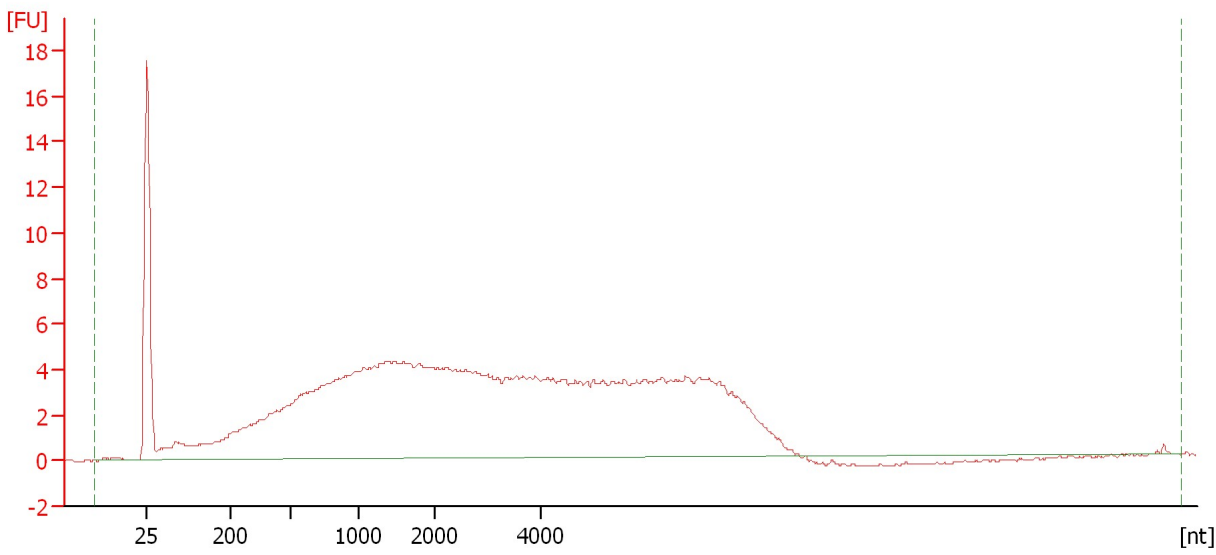
RNA Area:	389.4	rRNA Contamination:	0.0 %
RNA Concentration:	4,396 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

52 [Bisulfite Converted DNA]



Overall Results for sample 6 : 52

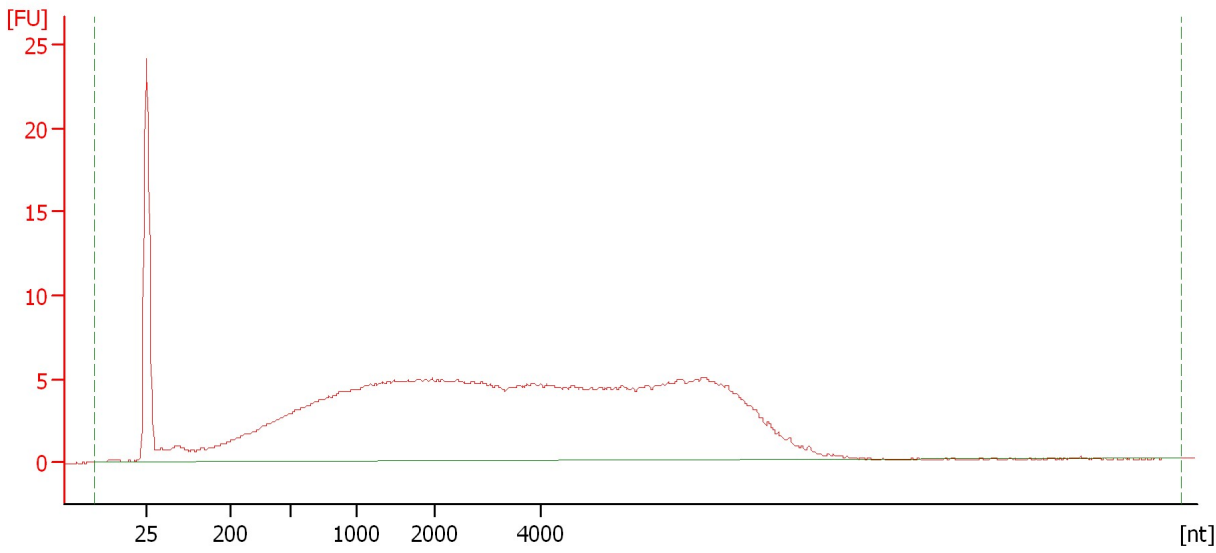
RNA Area: 289.5 rRNA Contamination: 0.0 %
RNA Concentration: 3,268 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

53 [Bisulfite Converted DNA]



Overall Results for sample 7 : 53

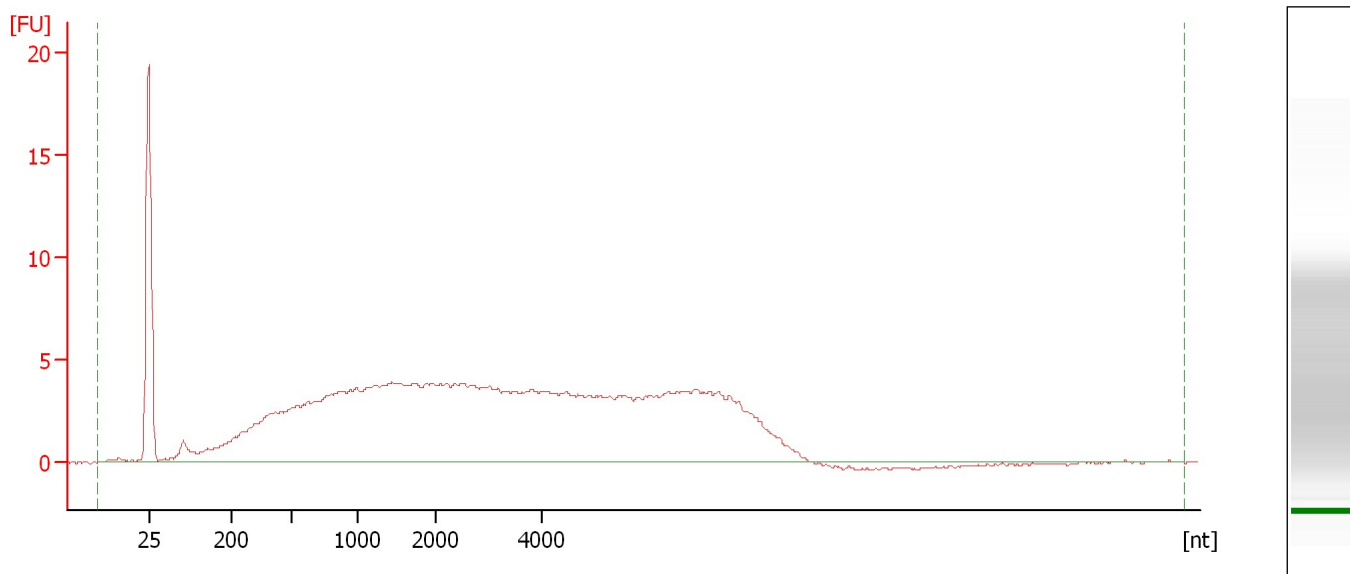
RNA Area:	358.6	rRNA Contamination:	0.0 %
RNA Concentration:	4,048 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

54 [Bisulfite Converted DNA]



Overall Results for sample 8 : 54

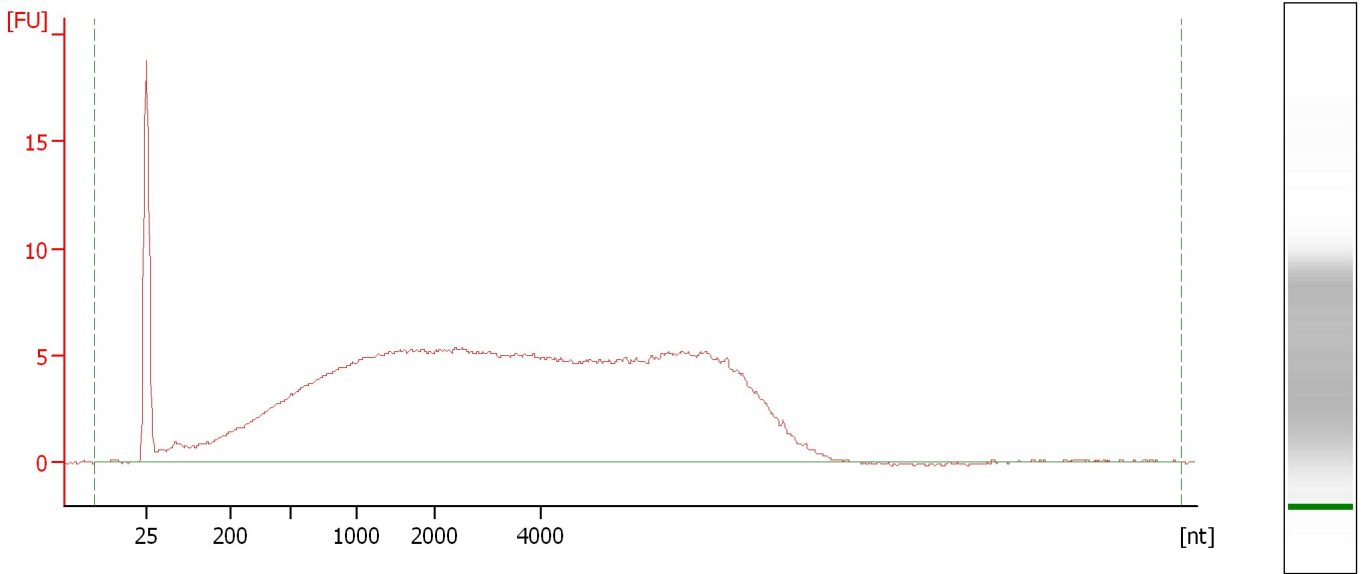
RNA Area: 288.8 rRNA Contamination: 0.0 %
RNA Concentration: 3,260 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

55 [Bisulfite Converted DNA]



Overall Results for sample 9 : 55

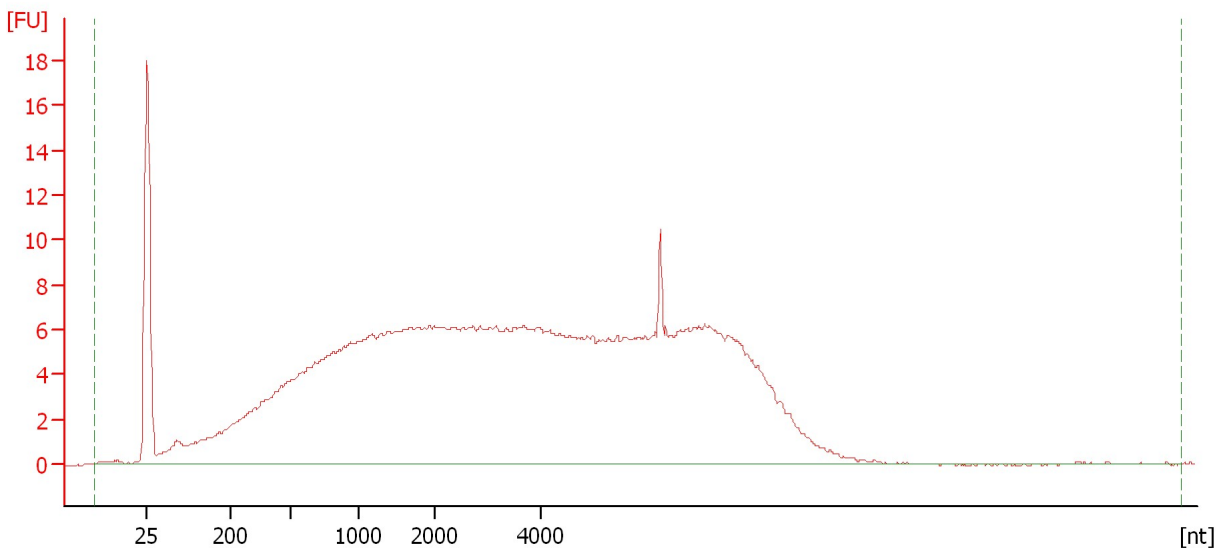
RNA Area:	397.8	rRNA Contamination:	0.0 %
RNA Concentration:	4,491 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

56 [Bisulfite Converted DNA]



Overall Results for sample 10 : 56

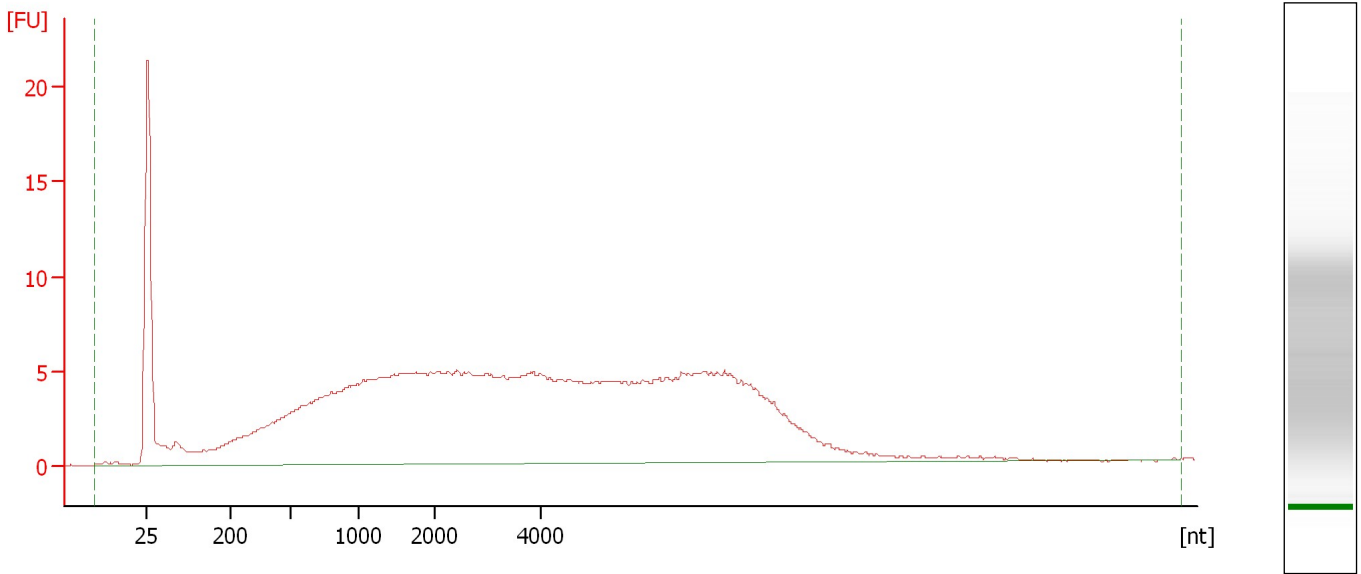
RNA Area:	471.9	rRNA Contamination:	0.0 %
RNA Concentration:	5,328 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Electropherogram Summary Continued ...

57 [Bisulfite Converted DNA]



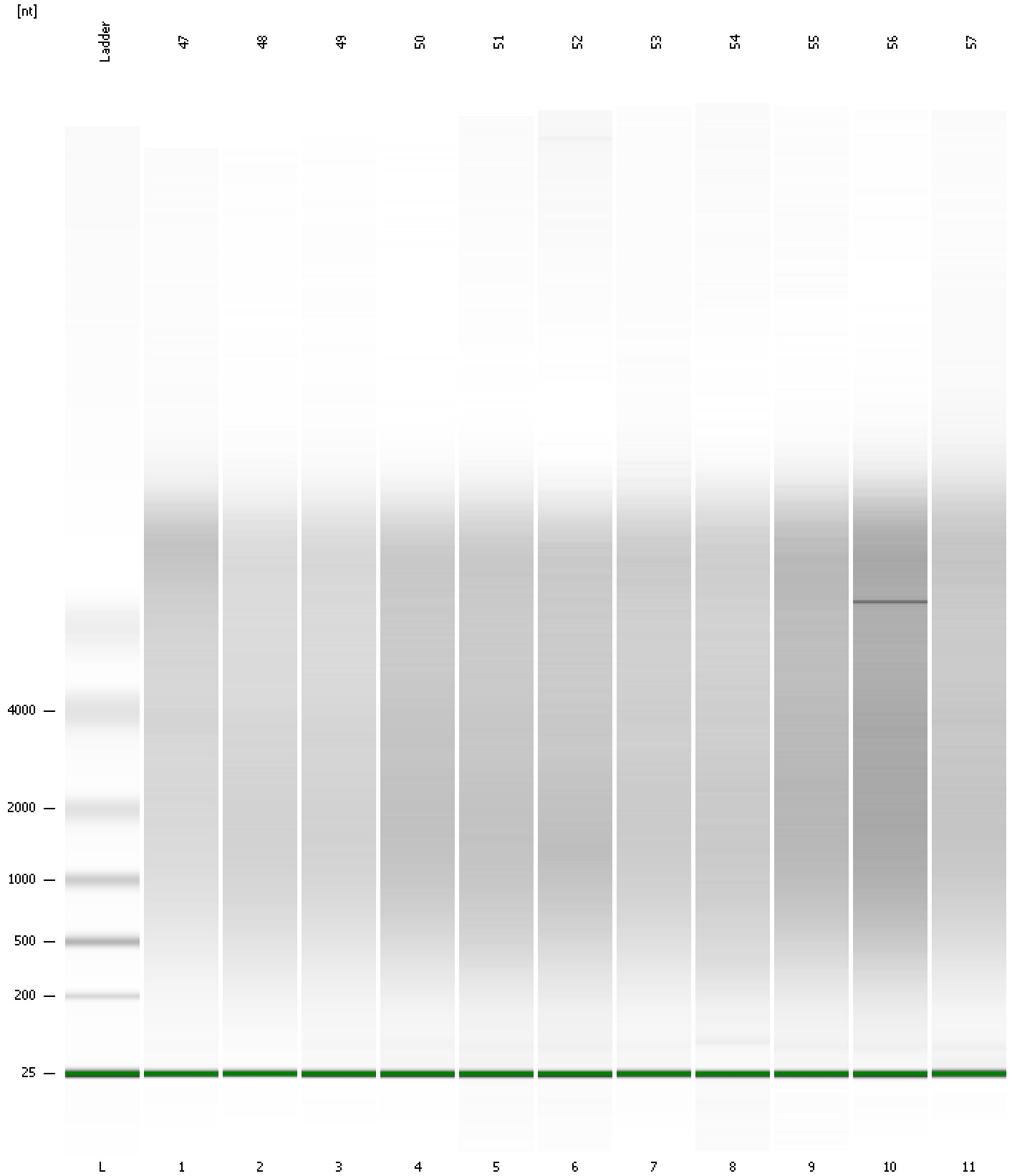
Overall Results for sample 11 : 57

RNA Area: 372.5 rRNA Contamination: 0.0 %
RNA Concentration: 4,206 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
Modified: 8/30/2016 10:29:50 AM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad

Created: 8/30/2016 10:03:55 AM
 Modified: 8/30/2016 10:29:50 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		8/30/2016 10:29:49 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-30\2016-08-30_001.xad)		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/30/2016 10:04:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1