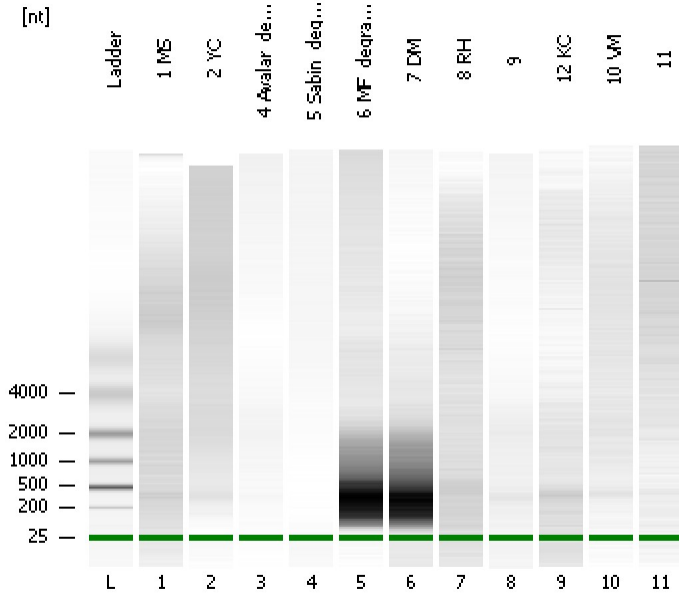


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 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

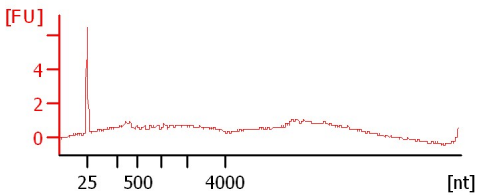
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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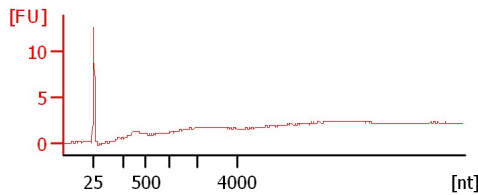
Chip Information:

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

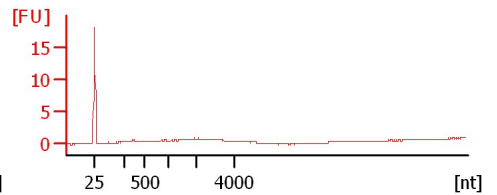
1 MS
Ribo-depleted RNA_Workshop



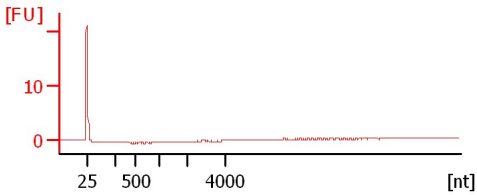
2 YC
Ribo-depleted RNA_Workshop



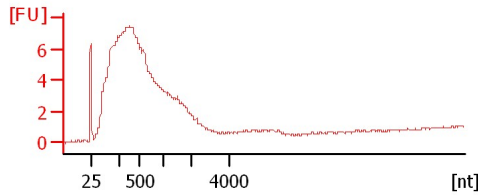
4 Avarlar_degraded RNA
Ribo-depleted RNA_Workshop



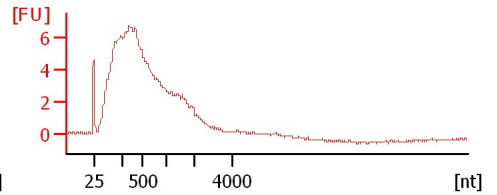
5 Sabin_degraded RNA
Ribo-depleted RNA_Workshop



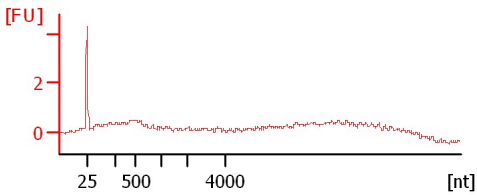
6 MF_degraded RNA
Ribo-depleted RNA_Workshop



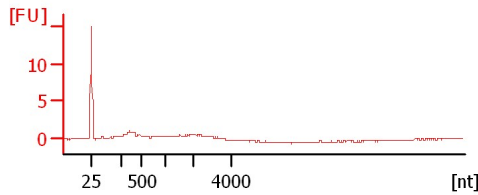
7 DM
Ribo-depleted RNA_Workshop



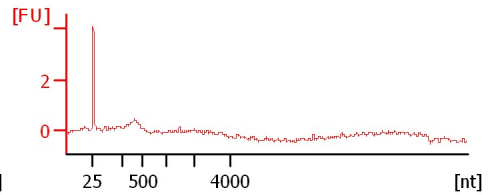
8 RH
Ribo-depleted RNA_Workshop



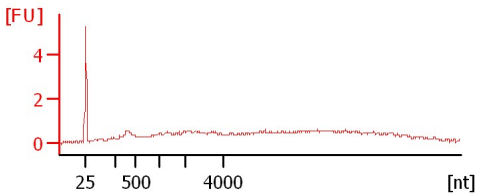
9
Ribo-depleted RNA_Workshop



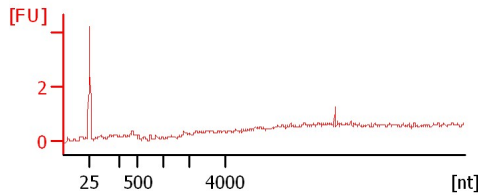
12 KC
Ribo-depleted RNA_Workshop



10 VM
Ribo-depleted RNA_Workshop



11
Ribo-depleted RNA_Workshop



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1 MS	Ribo-depleted RNA_Workshop	✓		
2 YC	Ribo-depleted RNA_Workshop	✓		
4 Avalar_degraded RNA	Ribo-depleted RNA_Workshop	✓		
5 Sabin_degraded RNA	Ribo-depleted RNA_Workshop	✓		
6 MF_degraded RNA	Ribo-depleted RNA_Workshop	✓		
7 DM	Ribo-depleted RNA_Workshop	✓		
8 RH	Ribo-depleted RNA_Workshop	✓		
9	Ribo-depleted RNA_Workshop	✓		
12 KC	Ribo-depleted RNA_Workshop	✓		
10 VM	Ribo-depleted RNA_Workshop	✓		
11	Ribo-depleted RNA_Workshop	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 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

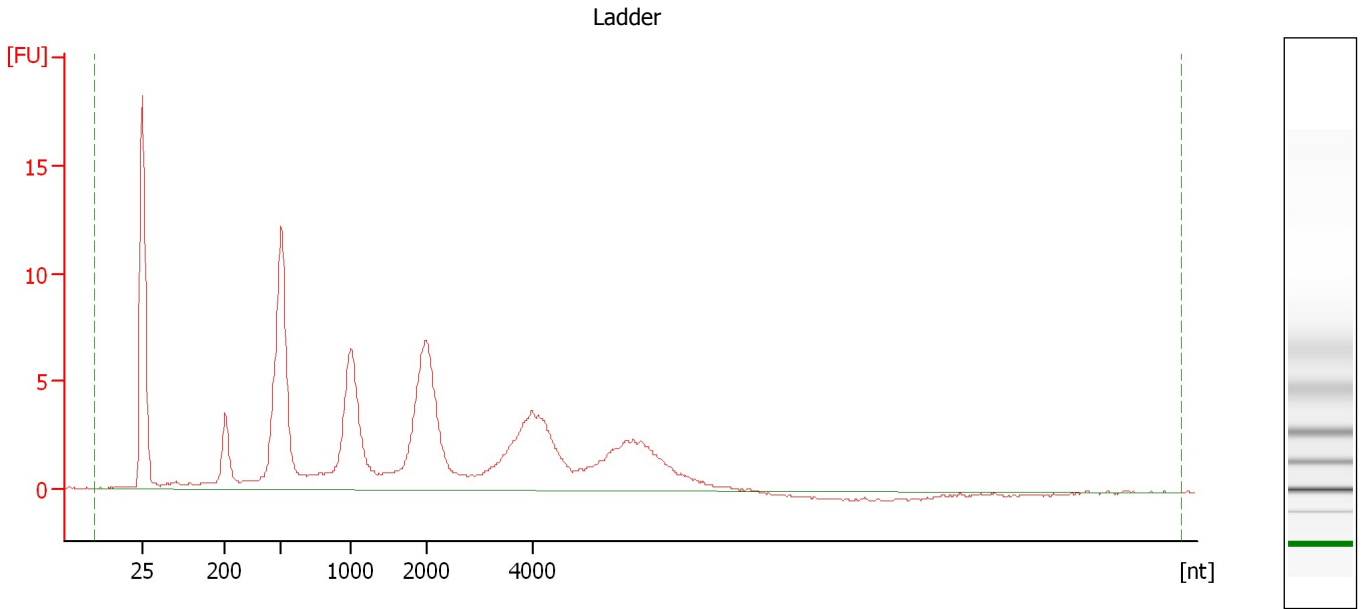
Ladder

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\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary



Overall Results for Ladder

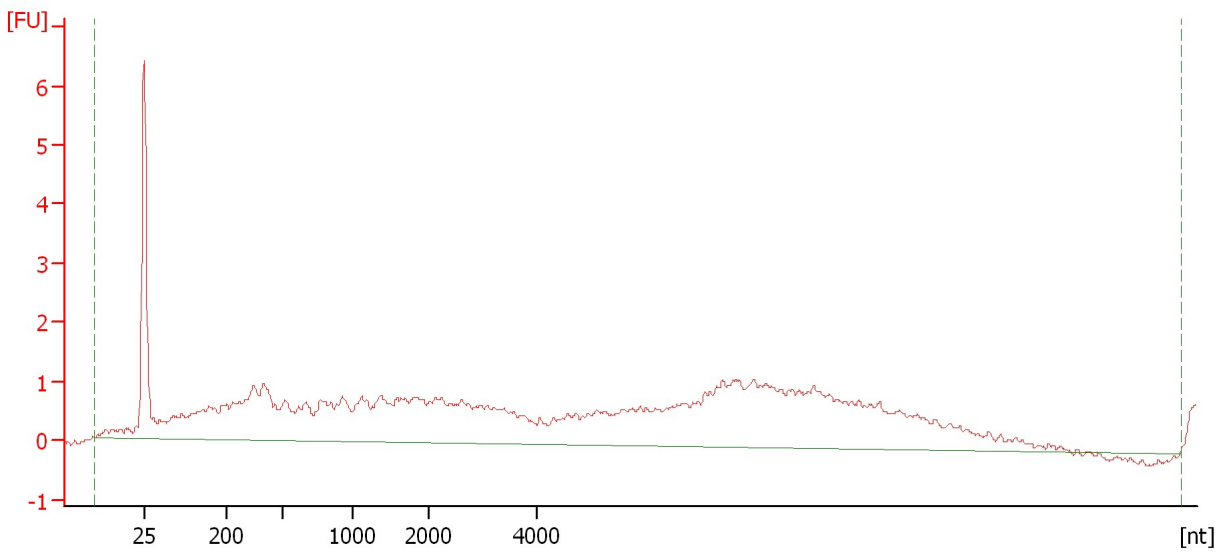
RNA Area: 171.6 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

1 MS [Ribo-depleted RNA_Workshop]



Overall Results for sample 1 : 1 MS

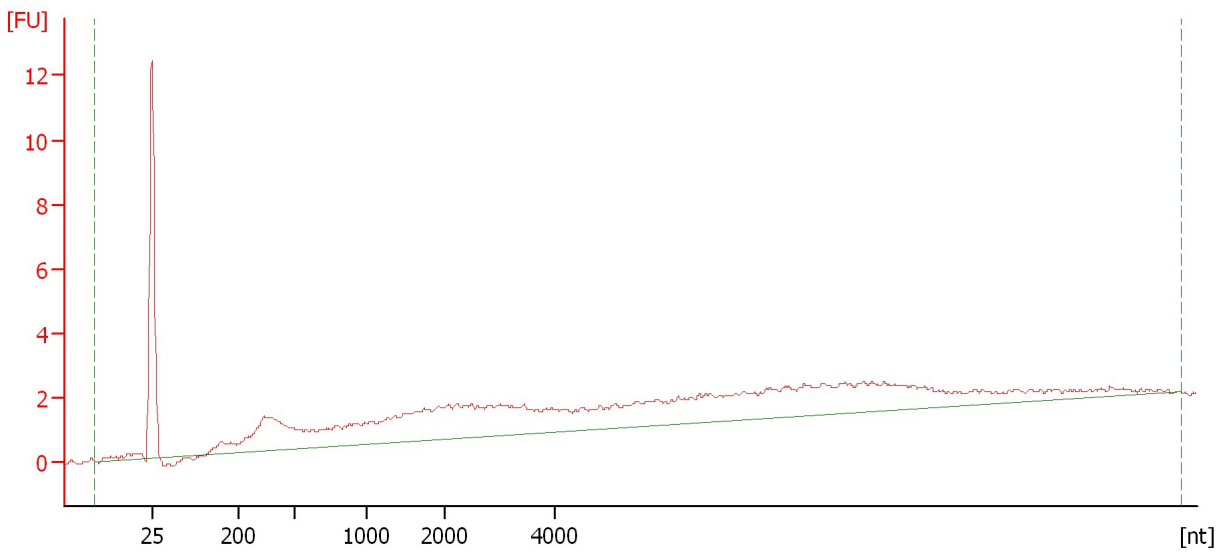
RNA Area: 81.8 rRNA Contamination: 0.0 %
RNA Concentration: 477 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

2 YC [Ribo-depleted RNA_Workshop]



Overall Results for sample 2 : 2 YC

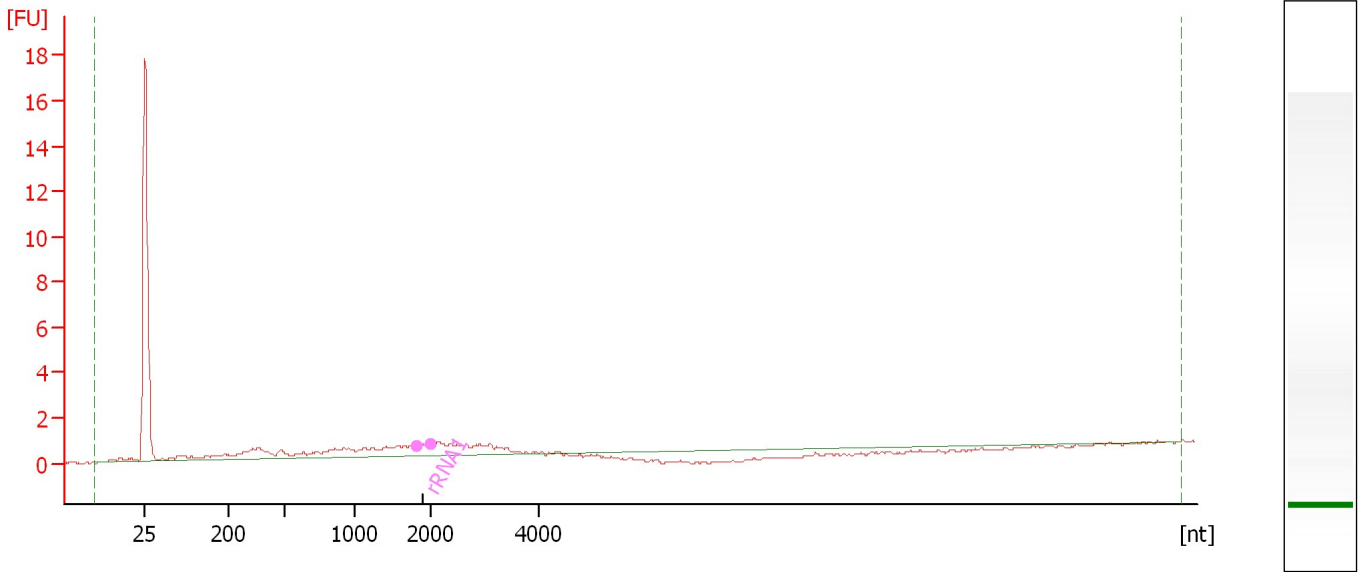
RNA Area: 84.2 rRNA Contamination: 0.0 %
RNA Concentration: 491 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

4 Avaral_degraded RNA [Ribo-depleted RNA_Workshop]



Overall Results for sample 3 : 4 Avaral_degraded RNA

RNA Area: 24.4 rRNA Contamination: 0.5 %
RNA Concentration: 142 pg/μl

Fragment table for sample 3 : 4 Avaral_degraded RNA

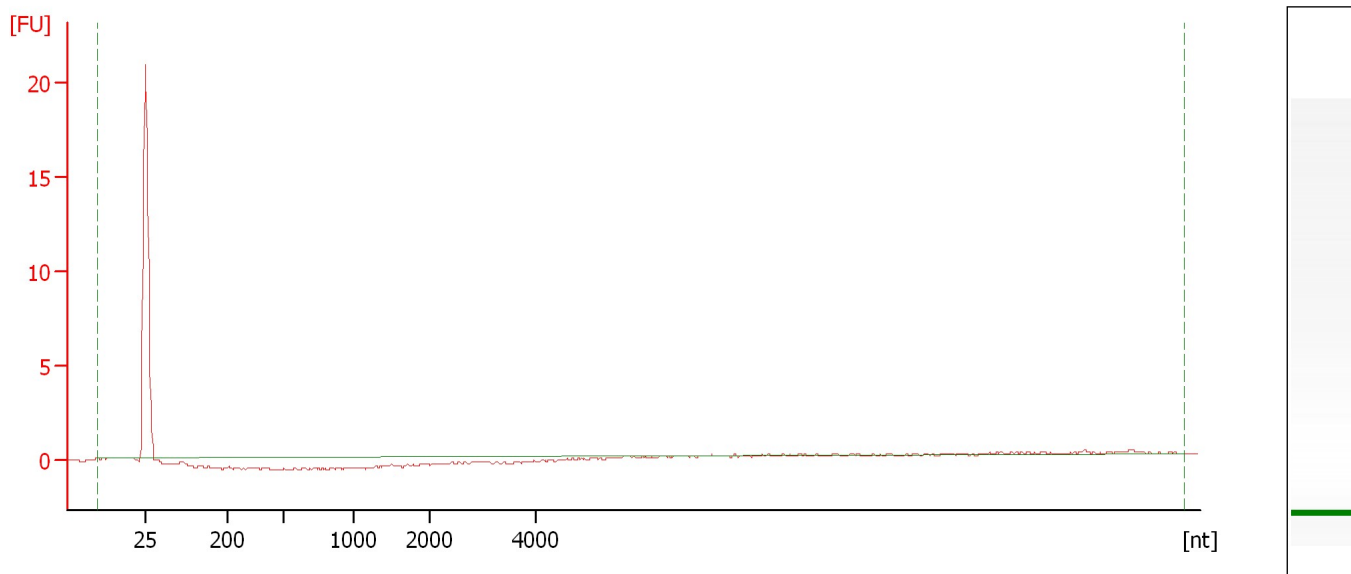
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,824	2,002	0.1	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

5 Sabin_degraded RNA [Ribo-depleted RNA_Workshop]



Overall Results for sample 4 : 5 Sabin_degraded RNA

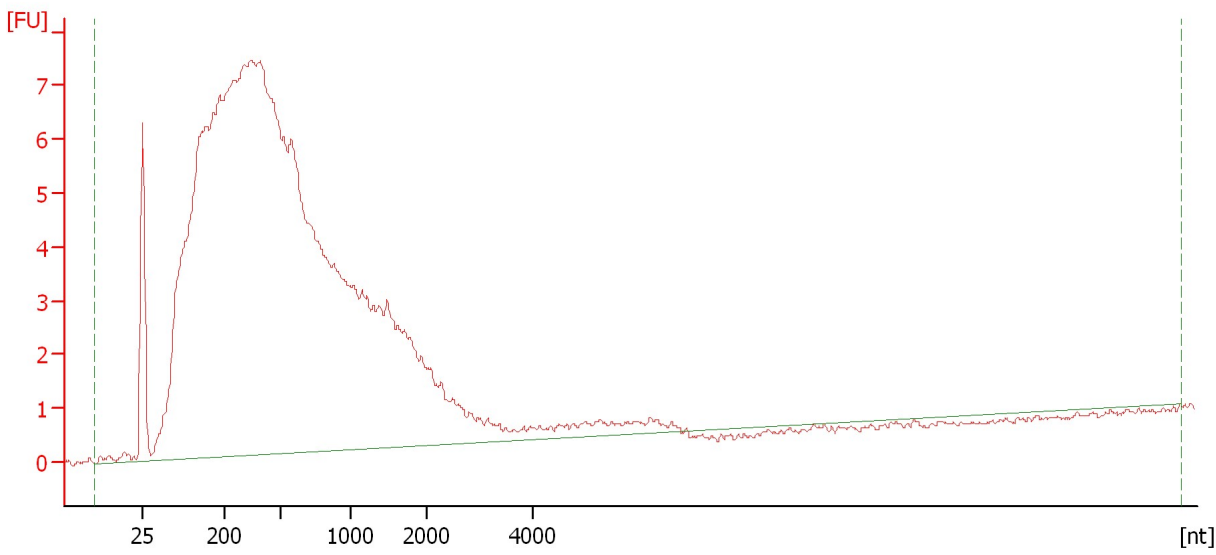
RNA Area:	1.6	rRNA Contamination:	0.0 %
RNA Concentration:	9 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

6 MF_degraded RNA [Ribo-depleted RNA_Workshop]



Overall Results for sample 5 : 6 MF degraded RNA

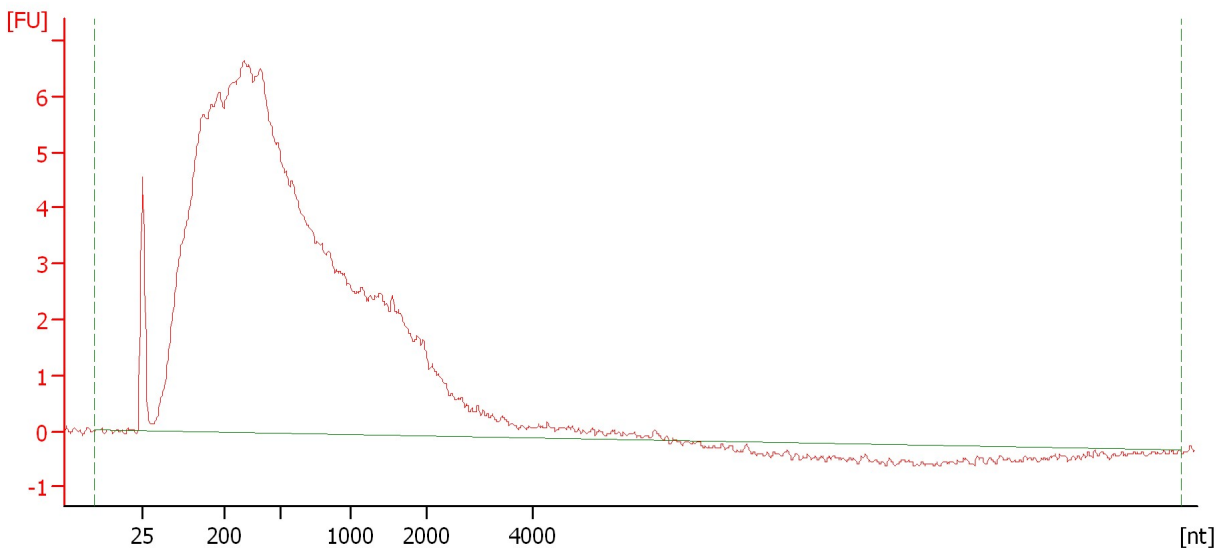
RNA Area: 285.7 rRNA Contamination: 0.0 %
RNA Concentration: 1,665 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

7 DM [Ribo-depleted RNA_Workshop]



Overall Results for sample 6 : 7 DM

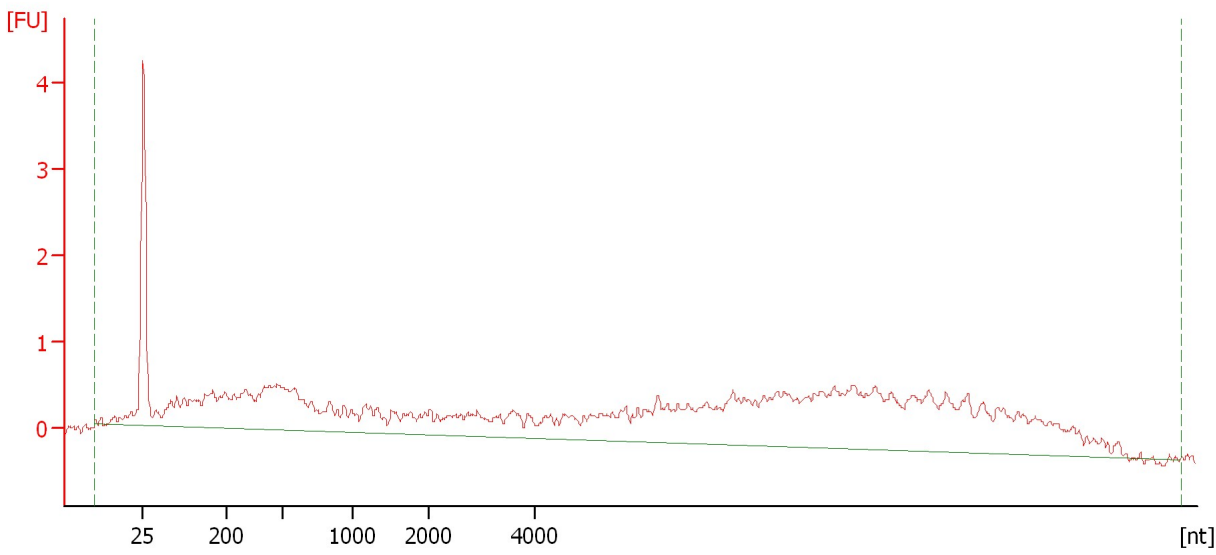
RNA Area: 254.8 rRNA Contamination: 0.0 %
RNA Concentration: 1,484 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

8 RH [Ribo-depleted RNA_Workshop]



Overall Results for sample 7 : 8 RH

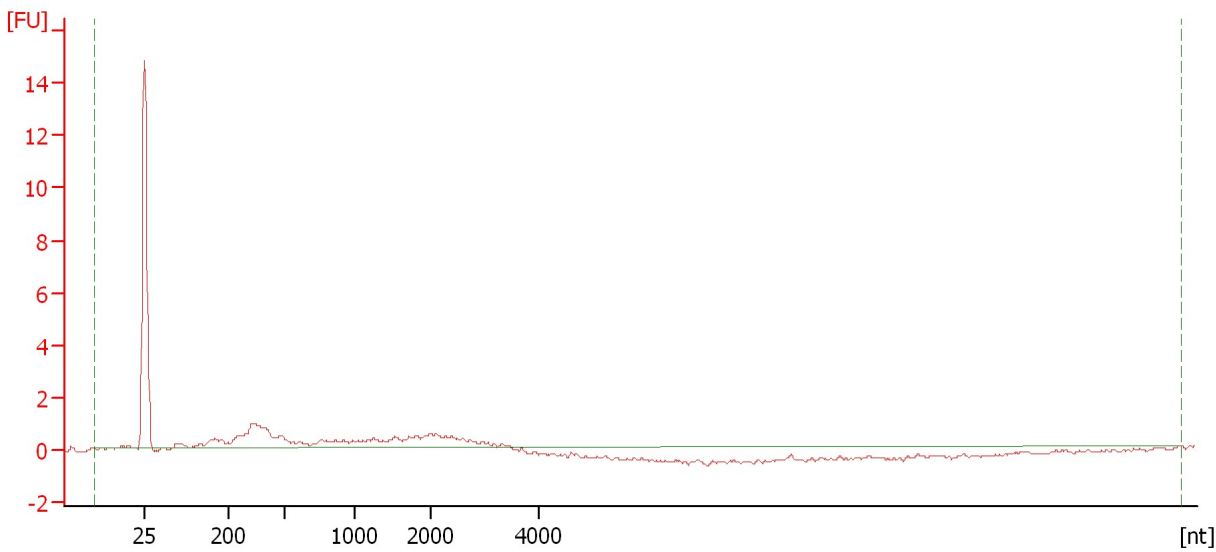
RNA Area:	50.8	rRNA Contamination:	0.0 %
RNA Concentration:	296 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

9 [Ribo-depleted RNA_Workshop]



Overall Results for sample 8 : 9

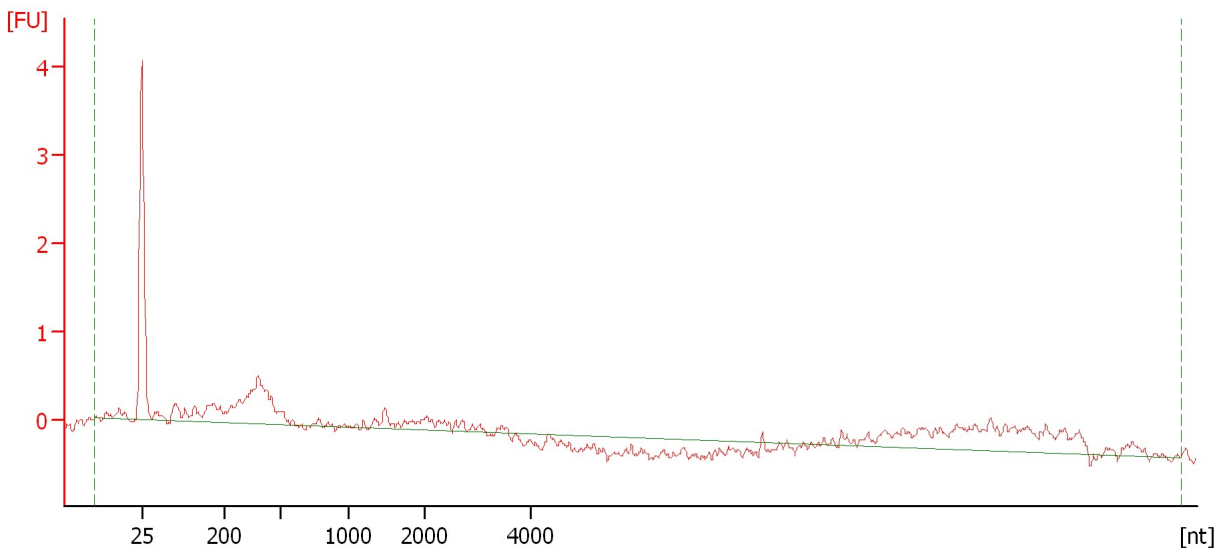
RNA Area:	21.2	rRNA Contamination:	0.0 %
RNA Concentration:	124 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

12 KC [Ribo-depleted RNA_Workshop]



Overall Results for sample 9 : 12 KC

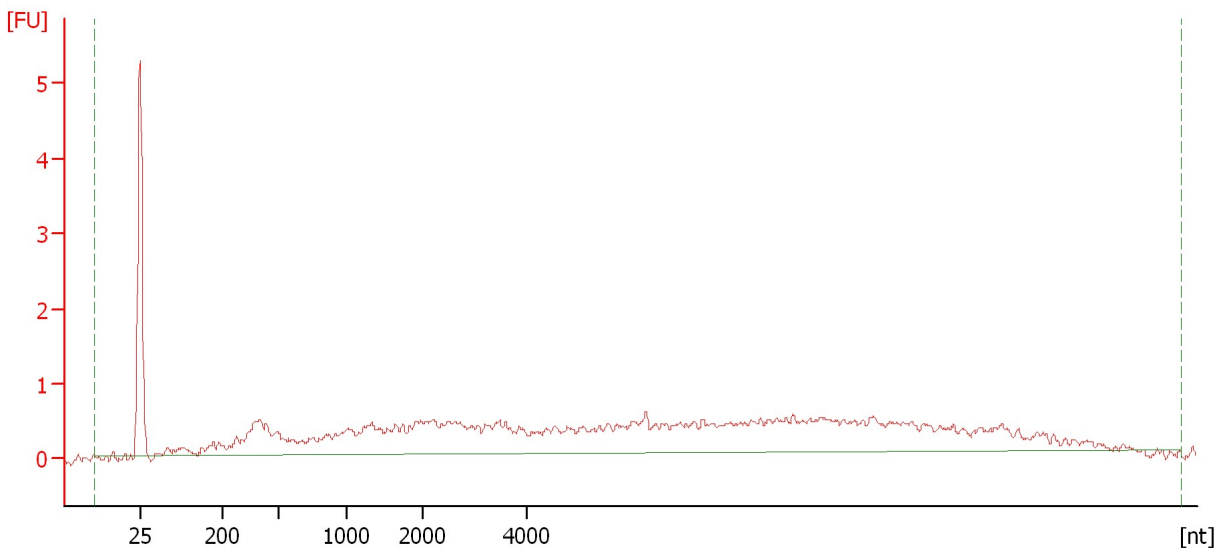
RNA Area: 13.9 rRNA Contamination: 0.0 %
RNA Concentration: 81 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

10 VM [Ribo-depleted RNA_Workshop]



Overall Results for sample 10 : 10 VM

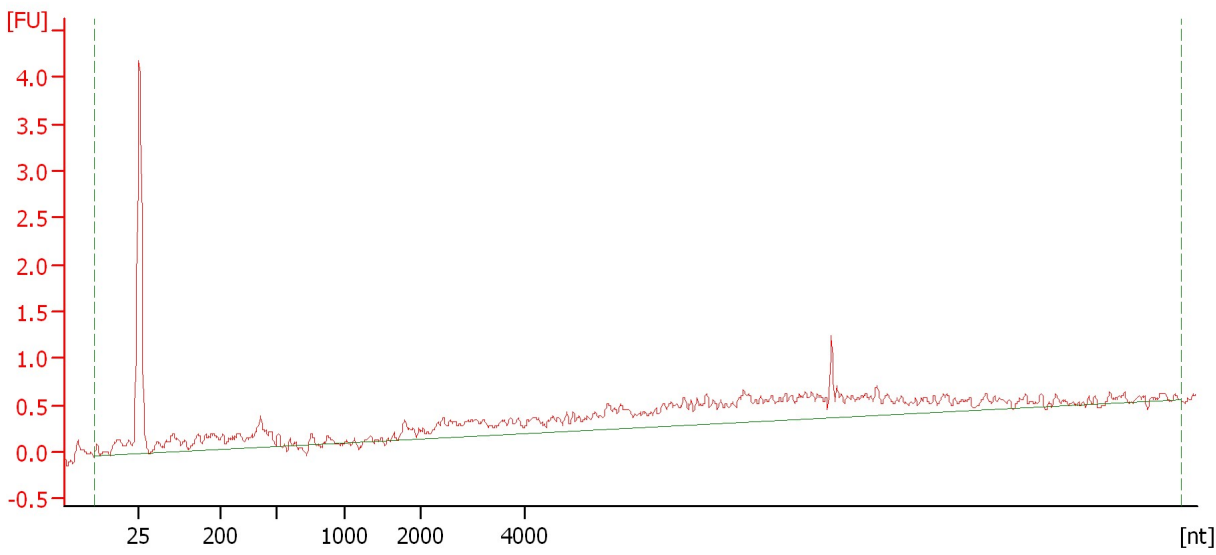
RNA Area: 39.6 rRNA Contamination: 0.0 %
RNA Concentration: 231 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Electropherogram Summary Continued ...

11 [Ribo-depleted RNA_Workshop]



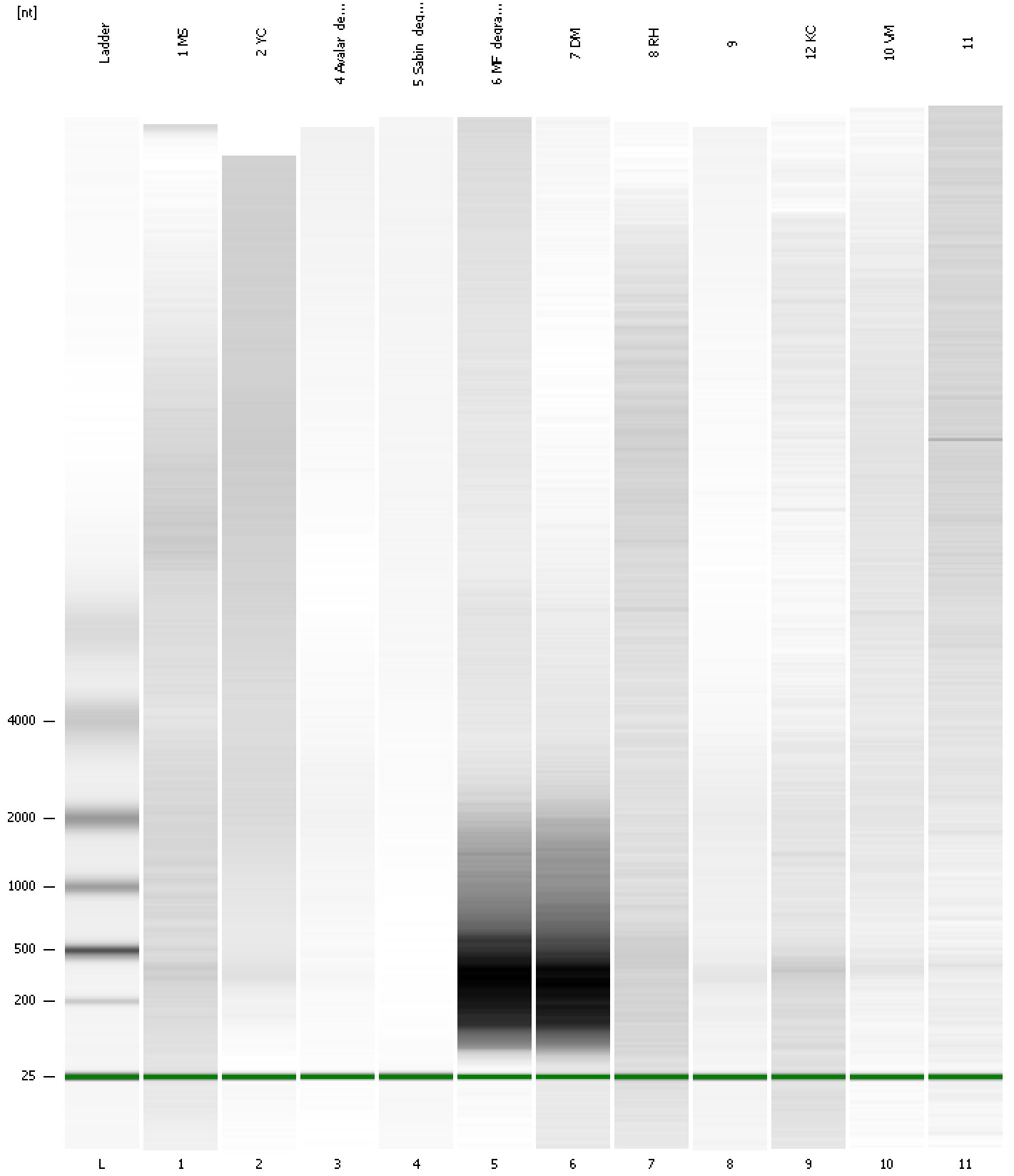
Overall Results for sample 11 : 11

RNA Area: 19.1 rRNA Contamination: 0.0 %
RNA Concentration: 112 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
Modified: 2/9/2017 2:52:34 PM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad

Created: 2/9/2017 2:26:42 PM
 Modified: 2/9/2017 2:52:34 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		2/9/2017 2:52:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-09\2017-02-09_002.xad)		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/9/2017 2:26:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1