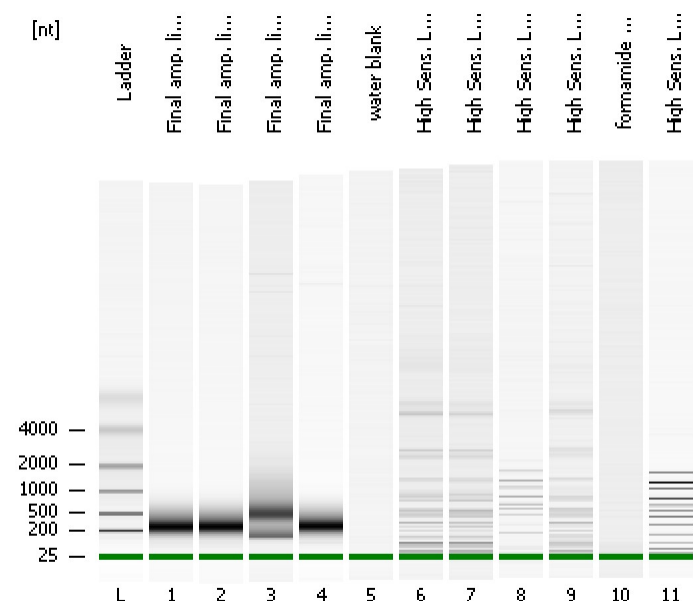


Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

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

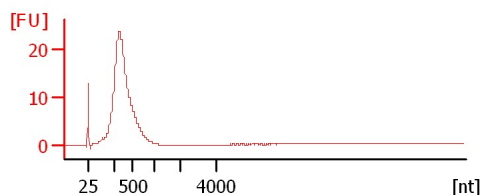
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

© Copyright 2003 - 2009 Agilent Technologies, Inc.

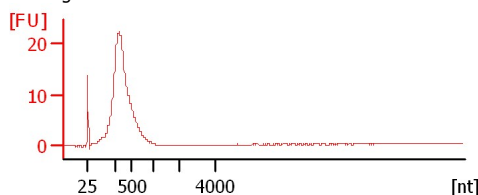
Chip Information:

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

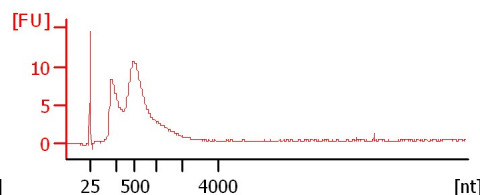
Final amp. lib. 1:10 formamide hr # 824



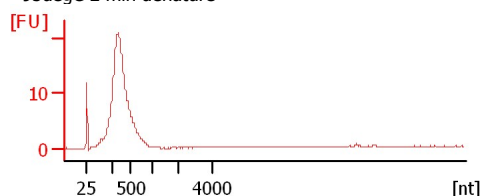
Final amp. lib. 1:10 formamide denatu...
95degC 2 min denature



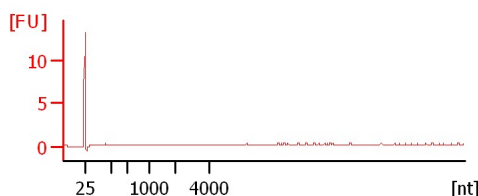
Final amp. lib. 1:10 water hr # 824



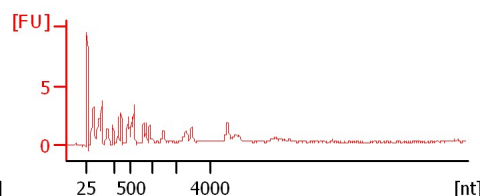
Final amp. lib. 1:10 water denatured ...
95degC 2 min denature



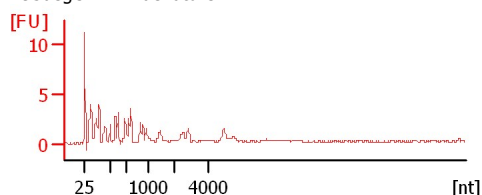
water blank



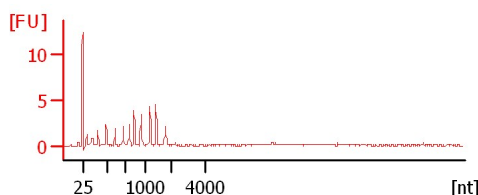
High Sens. Ladder 1:10 formamide



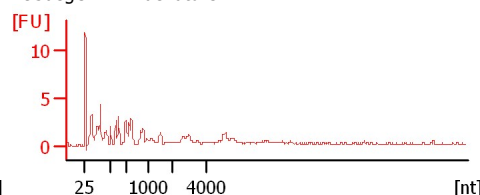
High Sens. Ladder 1:10 formamide dena...
95degC 2 min denature



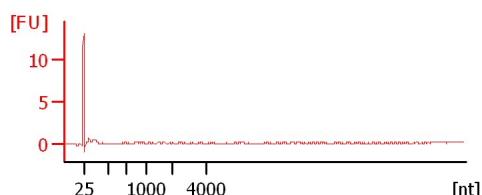
High Sens. Ladder 1:10 water



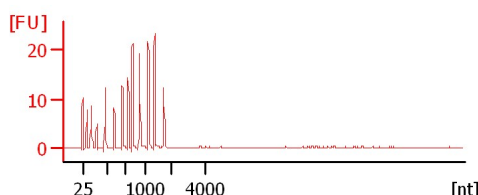
High Sens. Ladder 1:10 water denatured
95degC 2 min denature



formamide blank



High Sens. Ladder undiluted



Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Final amp. lib. 1:10 formamide hr # 824		✓		
Final amp. lib. 1:10 formamide denatured hr # 824	95degC 2 min denature	✓		
Final amp. lib. 1:10 water hr # 824		✓		
Final amp. lib. 1:10 water denatured hr # 824	95degC 2 min denature	✓		
water blank		✓		
High Sens. Ladder 1:10 formamide		✓		
High Sens. Ladder 1:10 formamide denatured	95degC 2 min denature	✓		
High Sens. Ladder 1:10 water		✓		
High Sens. Ladder 1:10 water denatured	95degC 2 min denature	✓		
formamide blank		✓		
High Sens. Ladder undiluted		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 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

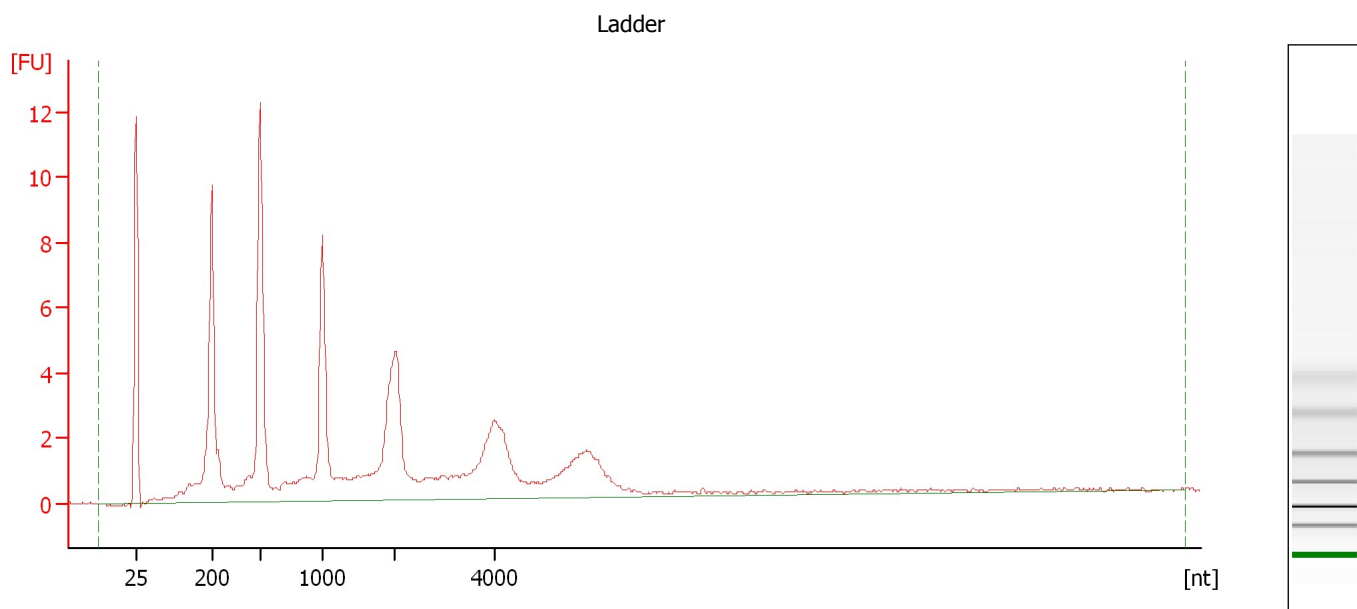
Ladder

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

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 117.7

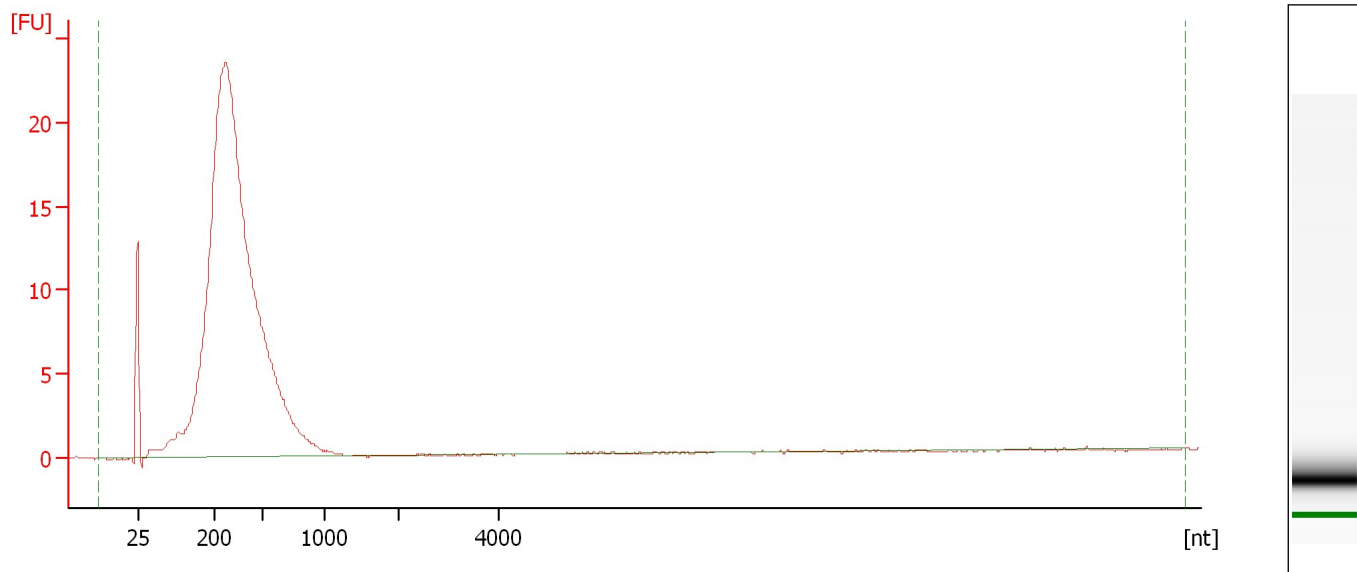
RNA Concentration: 1,000 pg/ μ l

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

Final amp. lib. 1:10 formamide hr # 824

**Overall Results for sample 1 : Final amp. lib. 1:10 formamide hr # 824**

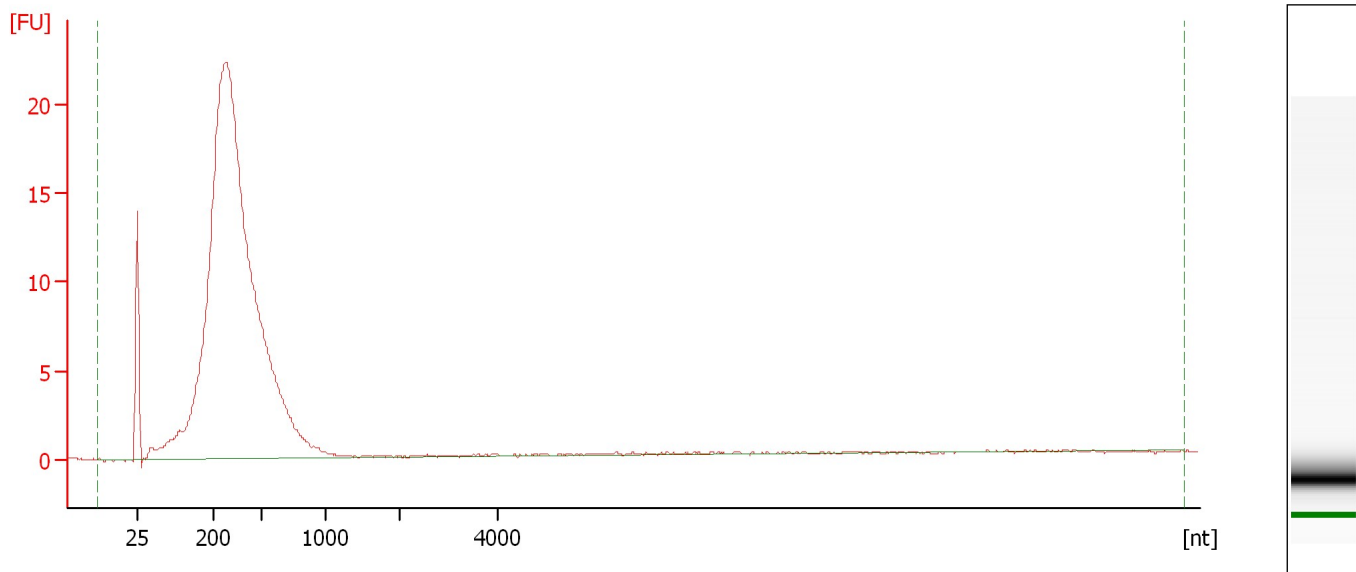
RNA Area: 303.9 rRNA Contamination: 0.0 %
RNA Concentration: 2,583 pg/μl

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

Final amp. lib. 1:10 formamide denatured hr # 824 [95degC 2 min denature]

**Overall Results for sample 2 : Final amp. lib. 1:10 formamide denatured hr # 824**

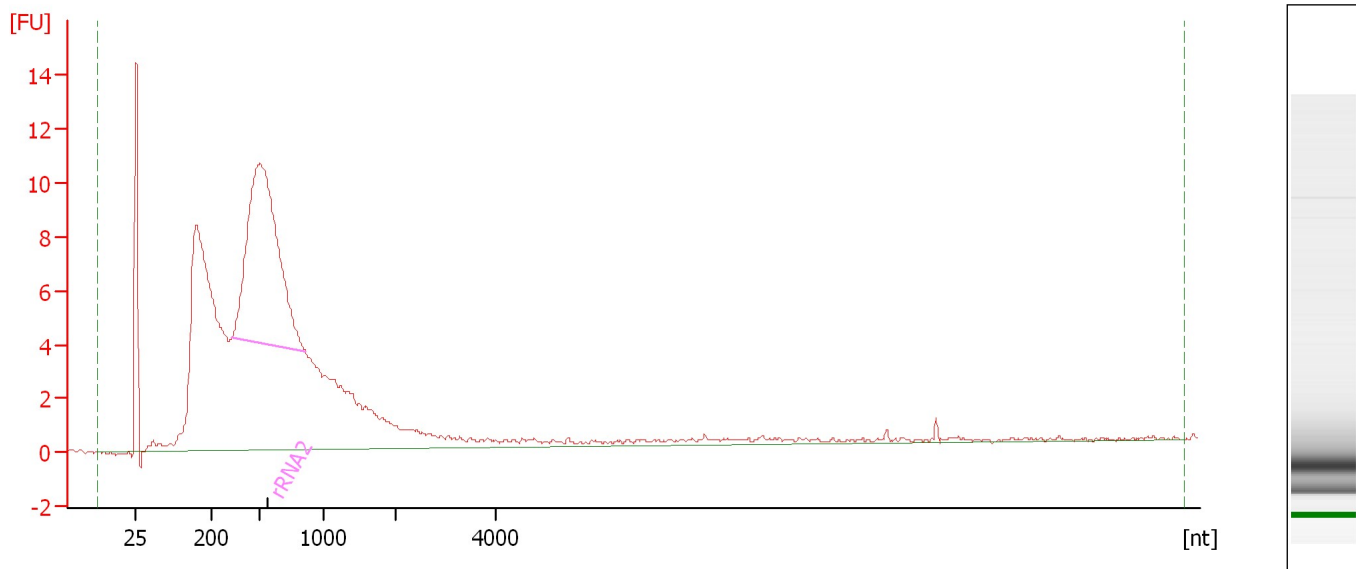
RNA Area: 298.8 rRNA Contamination: 0.0 %
RNA Concentration: 2,540 pg/μl

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

Final amp. lib. 1:10 water hr # 824

**Overall Results for sample 3 : Final amp. lib. 1:10 water hr # 824**

RNA Area: 254.2 rRNA Contamination: 22.2 %
RNA Concentration: 2,161 pg/μl

Fragment table for sample 3 : Final amp. lib. 1:10 water hr # 824

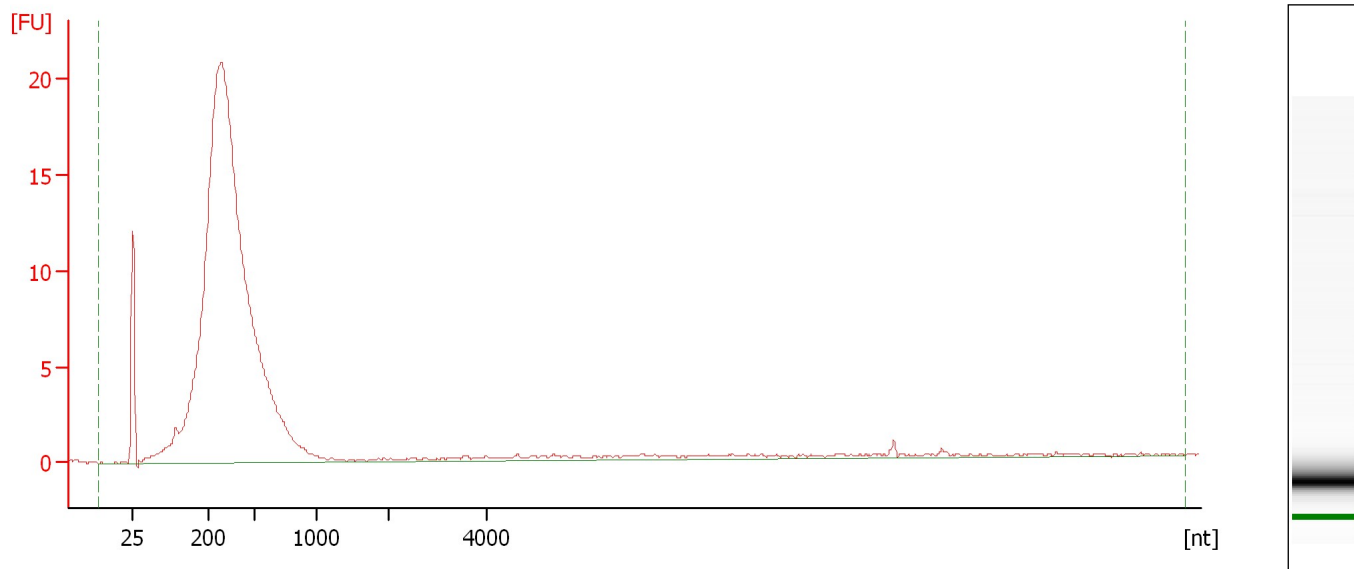
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	328	863	56.4	22.2

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

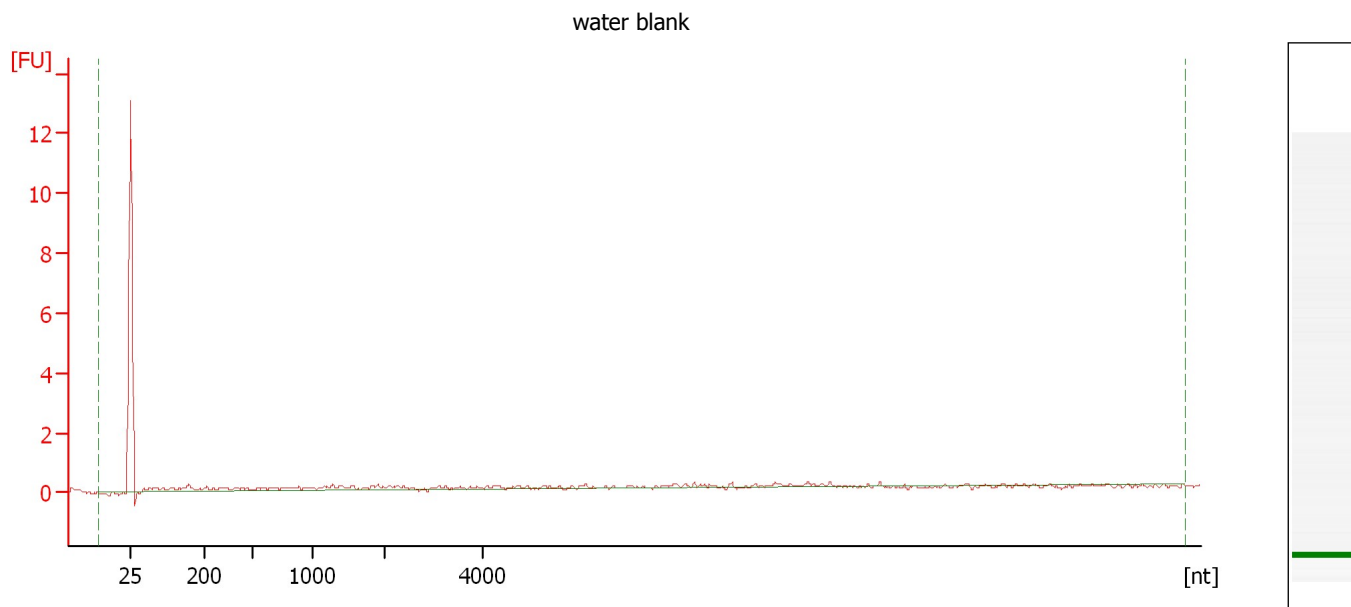
Final amp. lib. 1:10 water denatured hr # 824 [95degC 2 min denature]

**Overall Results for sample 4 : Final amp. lib. 1:10 water denatured hr # 824**

RNA Area: 277.7 rRNA Contamination: 0.0 %
RNA Concentration: 2,360 pg/μl

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : water blank**

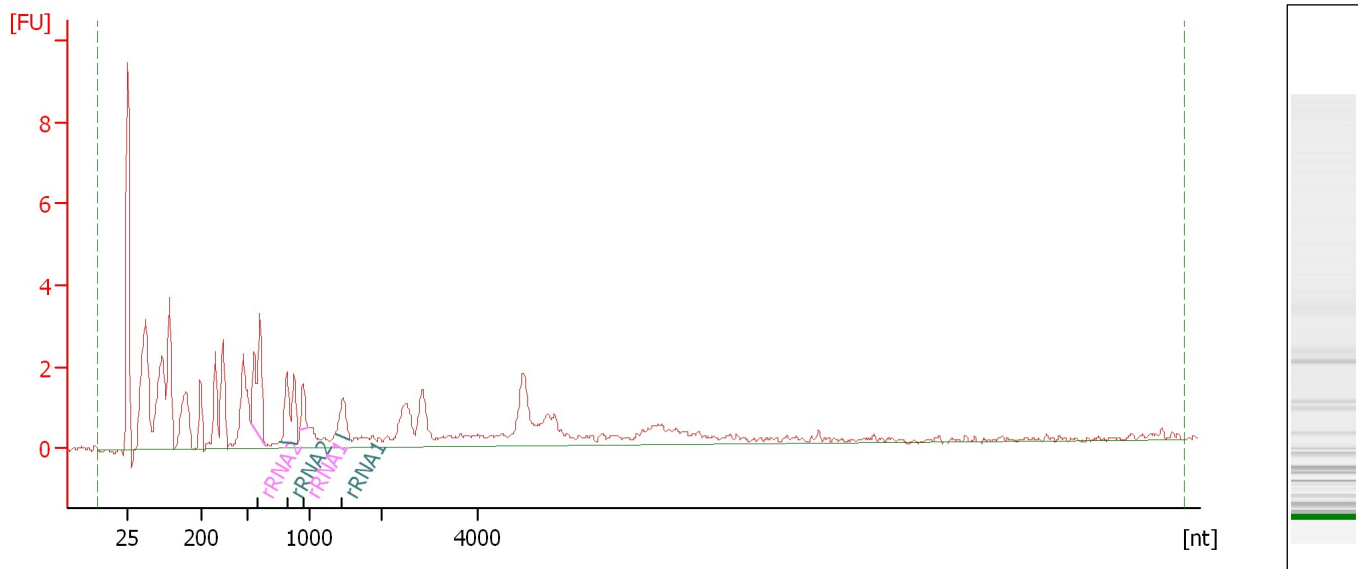
RNA Area: 8.3 rRNA Contamination: 0.0 %
RNA Concentration: 70 pg/μl

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

High Sens. Ladder 1:10 formamide

**Overall Results for sample 6 : High Sens. Ladder 1:10 formamide**

RNA Area: 78.4 rRNA Contamination: 14.1 %
RNA Concentration: 666 pg/μl

Fragment table for sample 6 : High Sens. Ladder 1:10 formamide

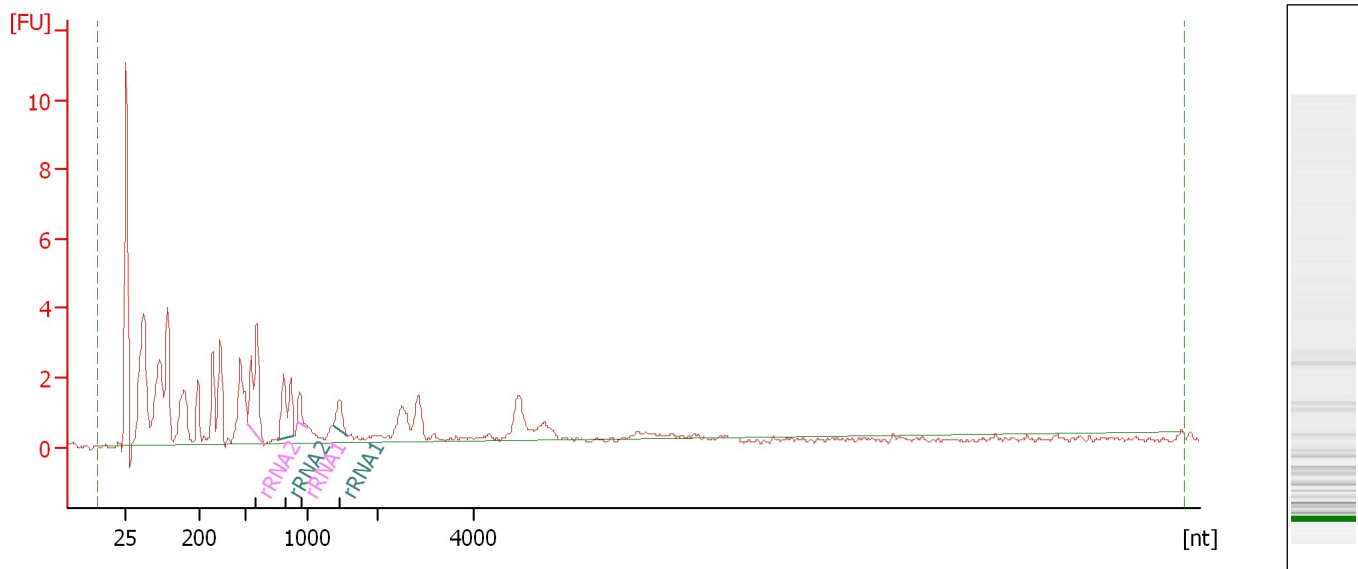
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	518	641	5.0	6.4
rRNA2	758	907	3.7	4.7
rRNA1	920	985	1.0	1.3
rRNA1	1,357	1,571	1.4	1.7

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

High Sens. Ladder 1:10 formamide denatured [95degC 2 min denature]

**Overall Results for sample 7 : High Sens. Ladder 1:10 formamide denatured**

RNA Area: 68.1 rRNA Contamination: 16.8 %
RNA Concentration: 579 pg/μl

Fragment table for sample 7 : High Sens. Ladder 1:10 formamide denatured

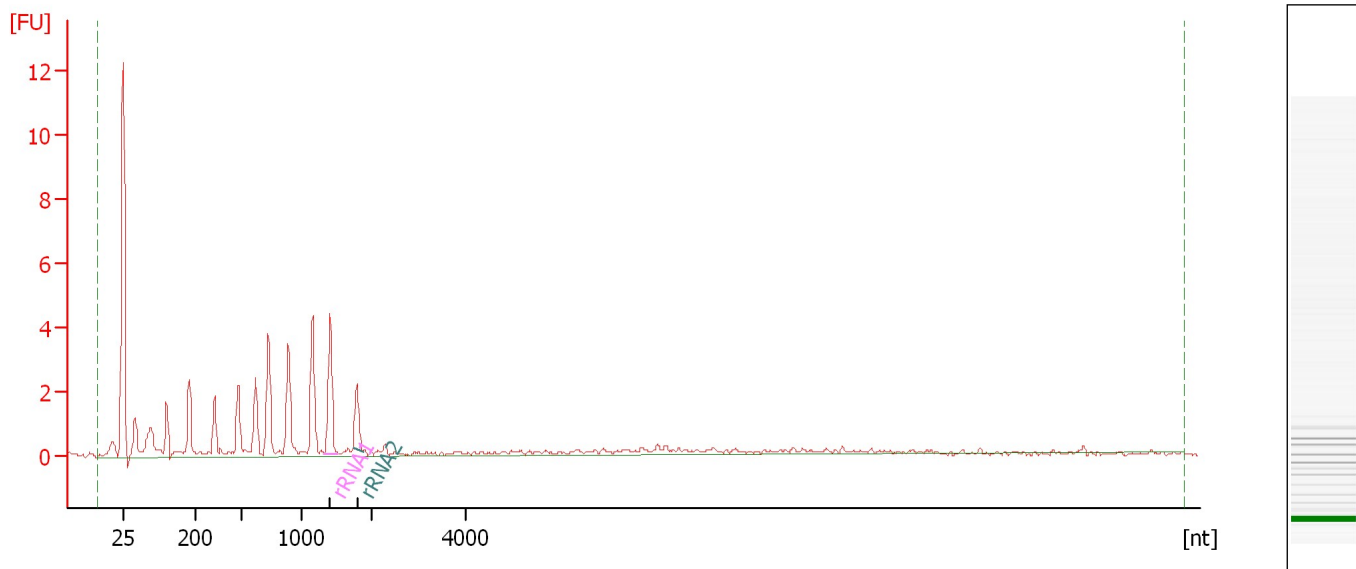
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	510	641	5.6	8.2
rRNA2	752	895	3.7	5.5
rRNA1	915	1,011	0.9	1.3
rRNA1	1,362	1,578	1.2	1.8

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

High Sens. Ladder 1:10 water

**Overall Results for sample 8 : High Sens. Ladder 1:10 water**

RNA Area: 46.8 rRNA Contamination: 12.5 %
RNA Concentration: 398 pg/μl

Fragment table for sample 8 : High Sens. Ladder 1:10 water

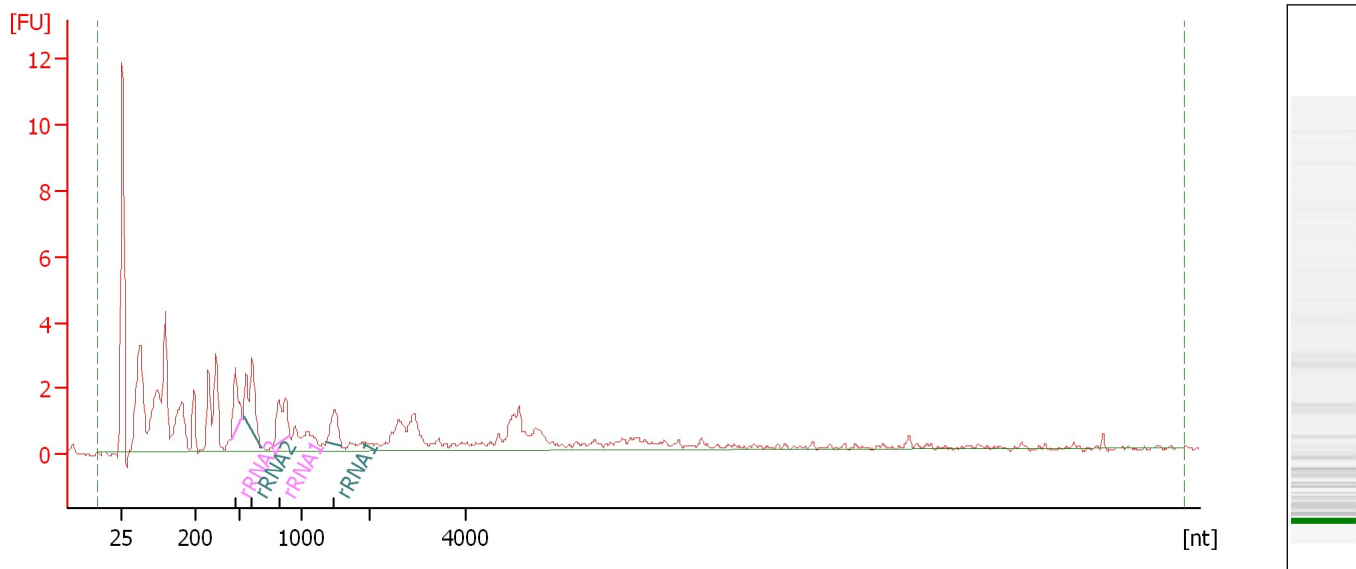
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,316	1,510	4.0	8.6
rRNA2	1,728	1,877	1.8	3.9

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

High Sens. Ladder 1:10 water denatured [95degC 2 min denature]

**Overall Results for sample 9 : High Sens. Ladder 1:10 water denatured**

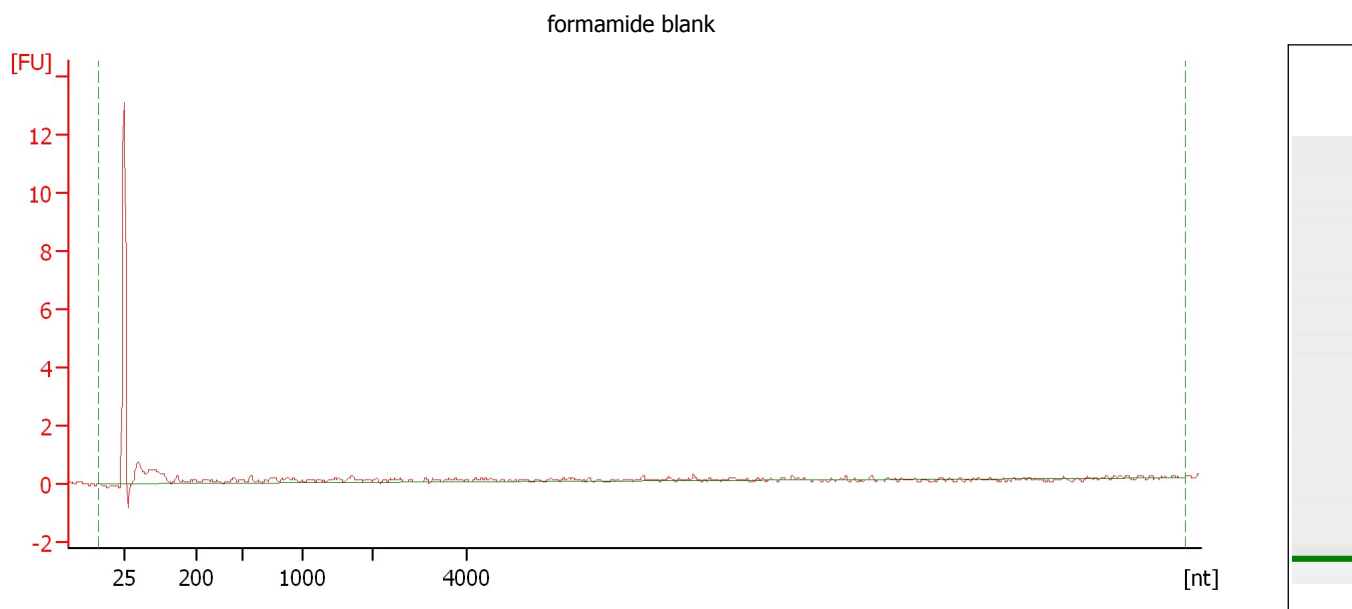
RNA Area: 77.7 rRNA Contamination: 15.1 %
RNA Concentration: 660 pg/μl

Fragment table for sample 9 : High Sens. Ladder 1:10 water denatured

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	436	511	2.5	3.2
rRNA2	524	670	4.3	5.5
rRNA1	756	908	3.2	4.1
rRNA1	1,370	1,588	1.7	2.2

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : formamide blank**

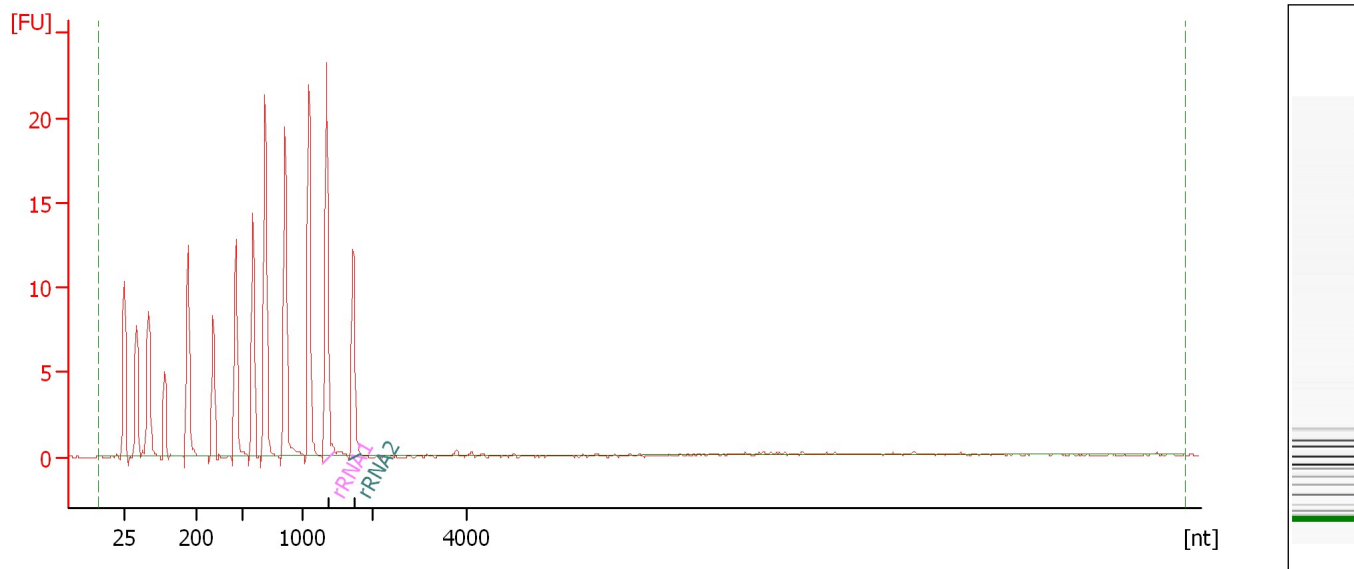
RNA Area: 11.5 rRNA Contamination: 0.0 %
RNA Concentration: 98 pg/μl

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Electropherogram Summary Continued ...

High Sens. Ladder undiluted

**Overall Results for sample 11 : High Sens. Ladder undiluted**

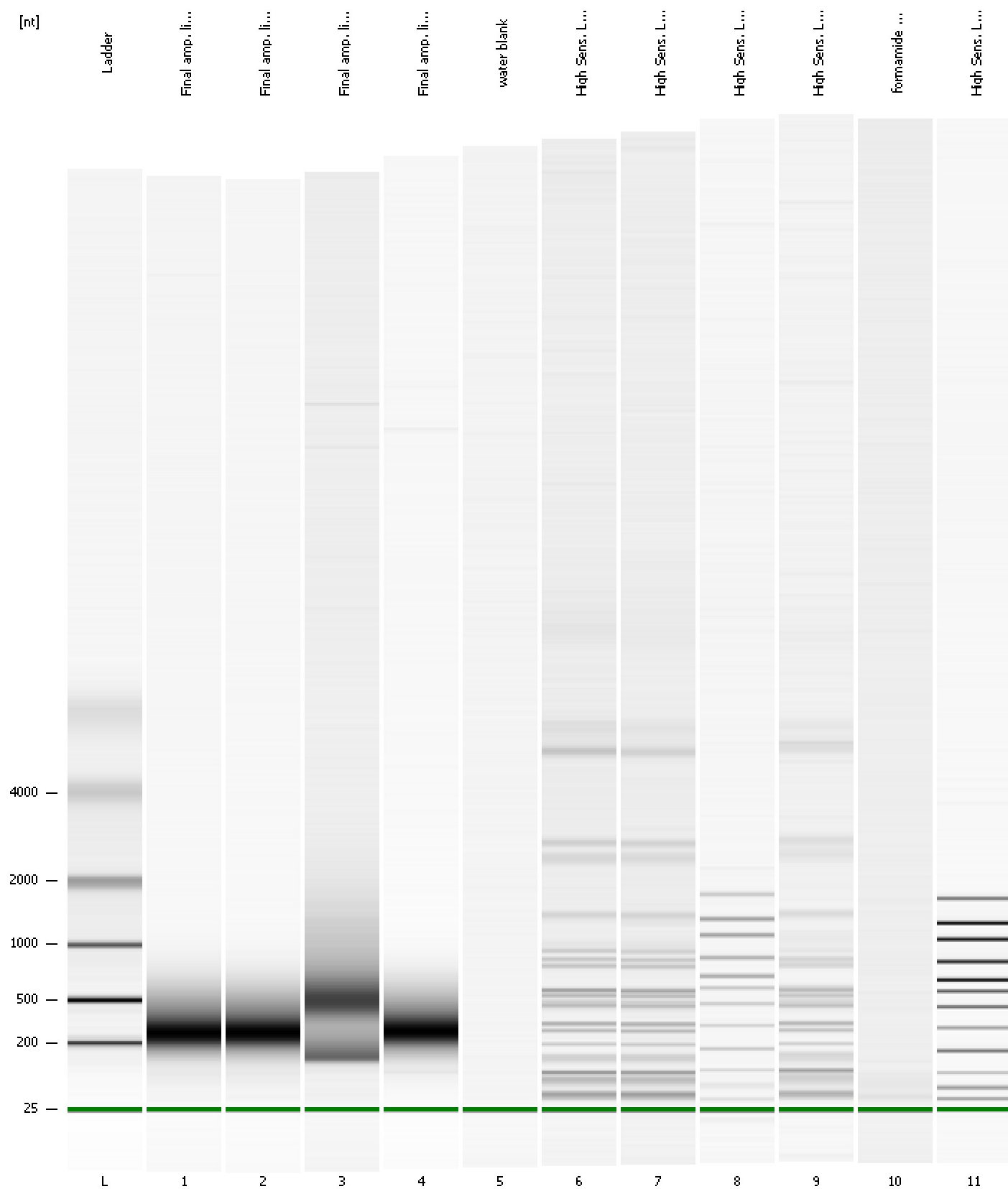
RNA Area: 161.2 rRNA Contamination: 17.3 %
RNA Concentration: 1,370 pg/μl

Fragment table for sample 11 : High Sens. Ladder undiluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,281	1,453	18.2	11.3
rRNA2	1,659	1,831	9.7	6.0

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Gel Image

Assay Class: mRNA Pico
Data Path: D:\...01\2100 expert_mRNA Pico_DE24802235_2011-07-01_16-53-02.xad

Created: 7/1/2011 4:53:02 PM
Modified: 7/1/2011 5:51:30 PM

Curves

Standard Curve

