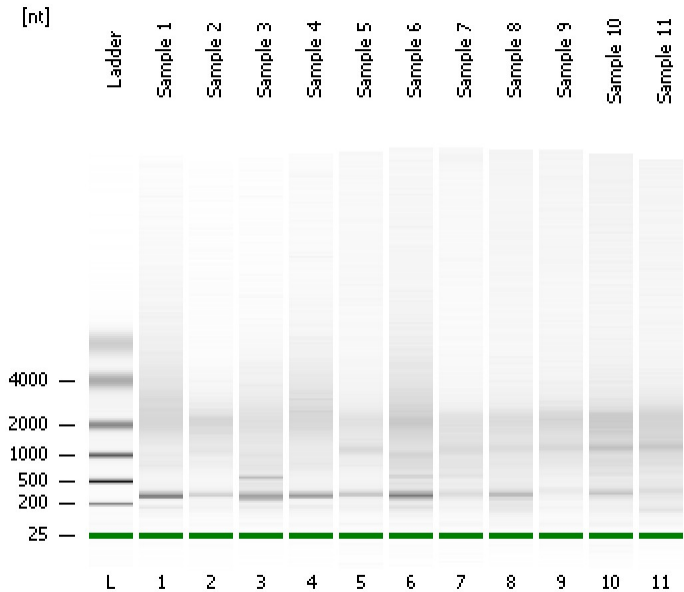


Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

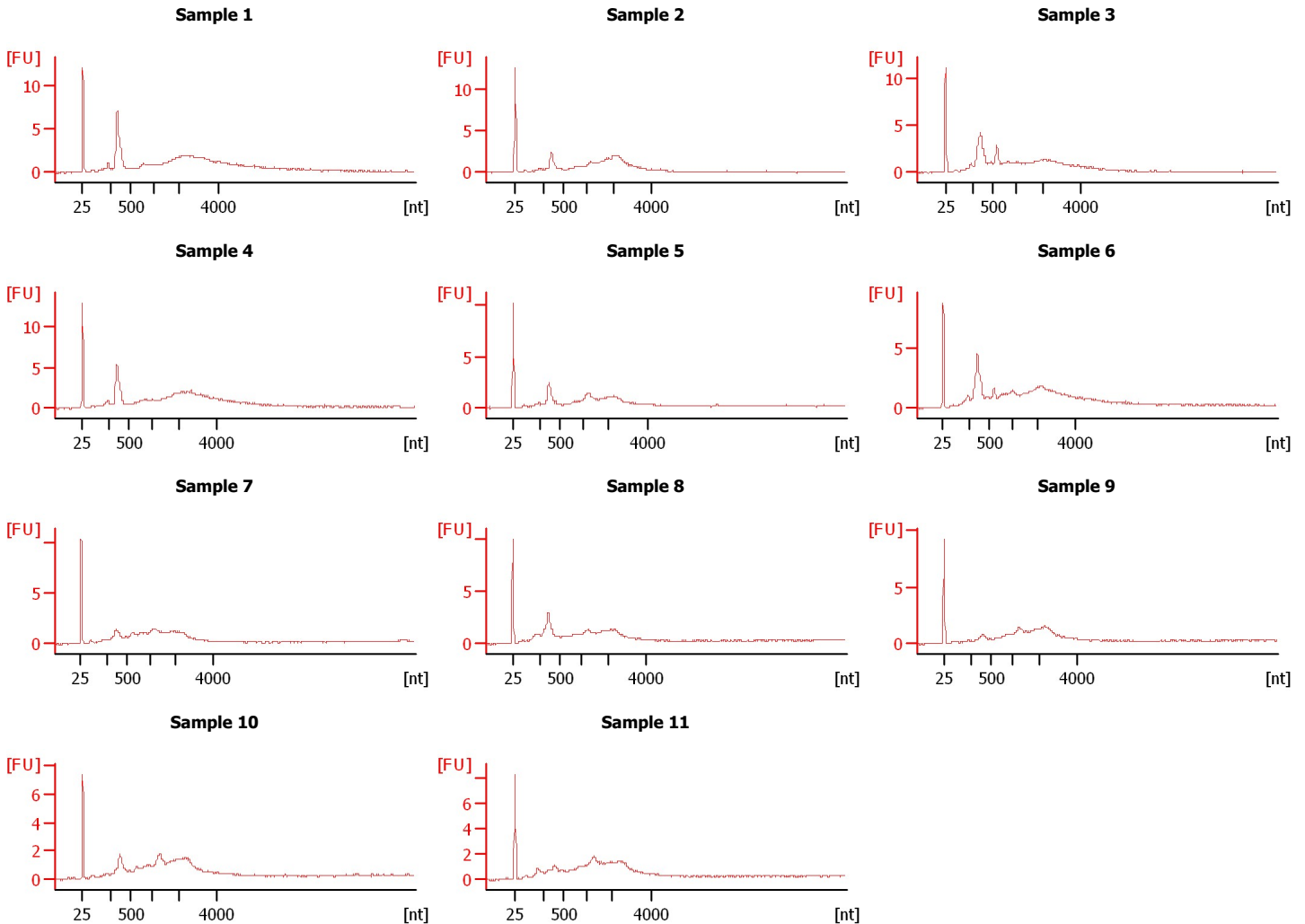
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓		
Sample 2		✓		
Sample 3		✓		
Sample 4		✓		
Sample 5		✓		
Sample 6		✓		
Sample 7		✓		
Sample 8		✓		
Sample 9		✓		
Sample 10		✓		
Sample 11		✓		
Ladder		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ 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

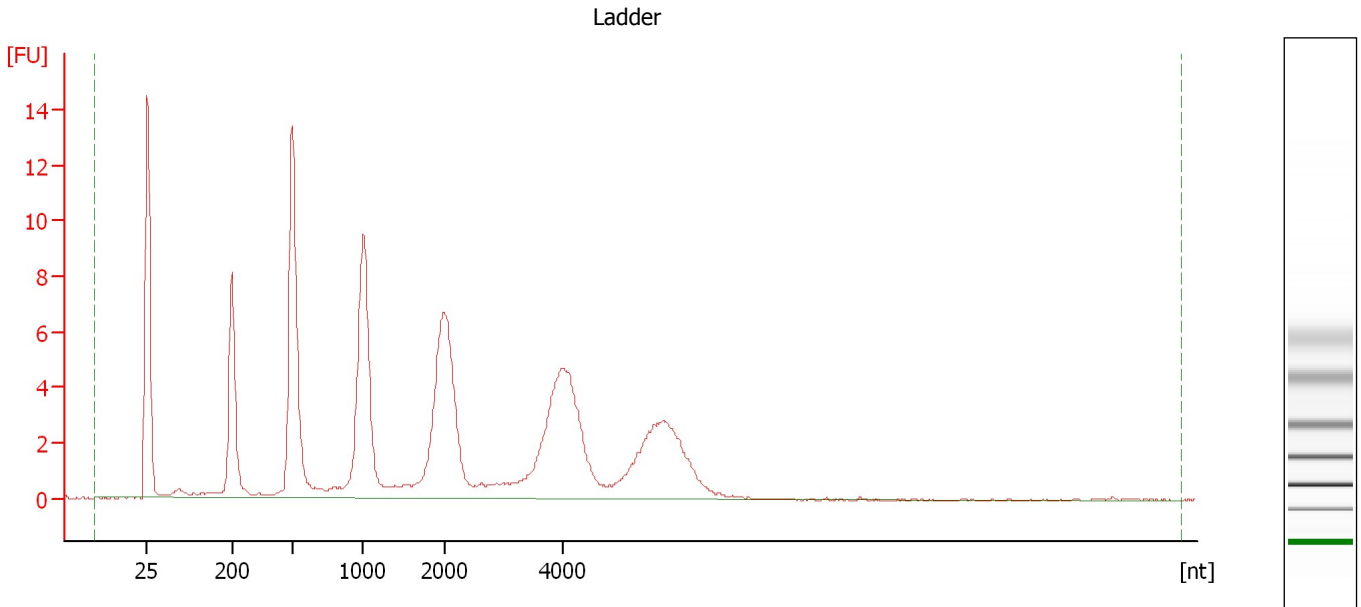
### Ladder

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

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary**



**Overall Results for Ladder**

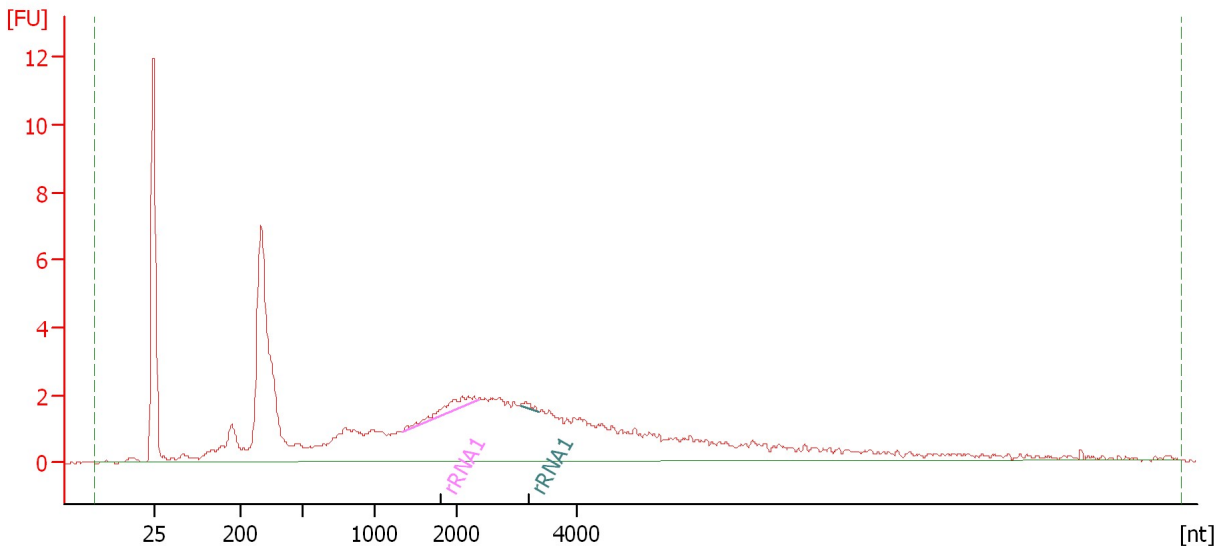
RNA Area: 157.0                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 1



**Overall Results for sample 1 : Sample 1**

RNA Area: 115.3                      rRNA Contamination: 1.6 %  
RNA Concentration: 735 pg/μl

**Fragment table for sample 1 : Sample 1**

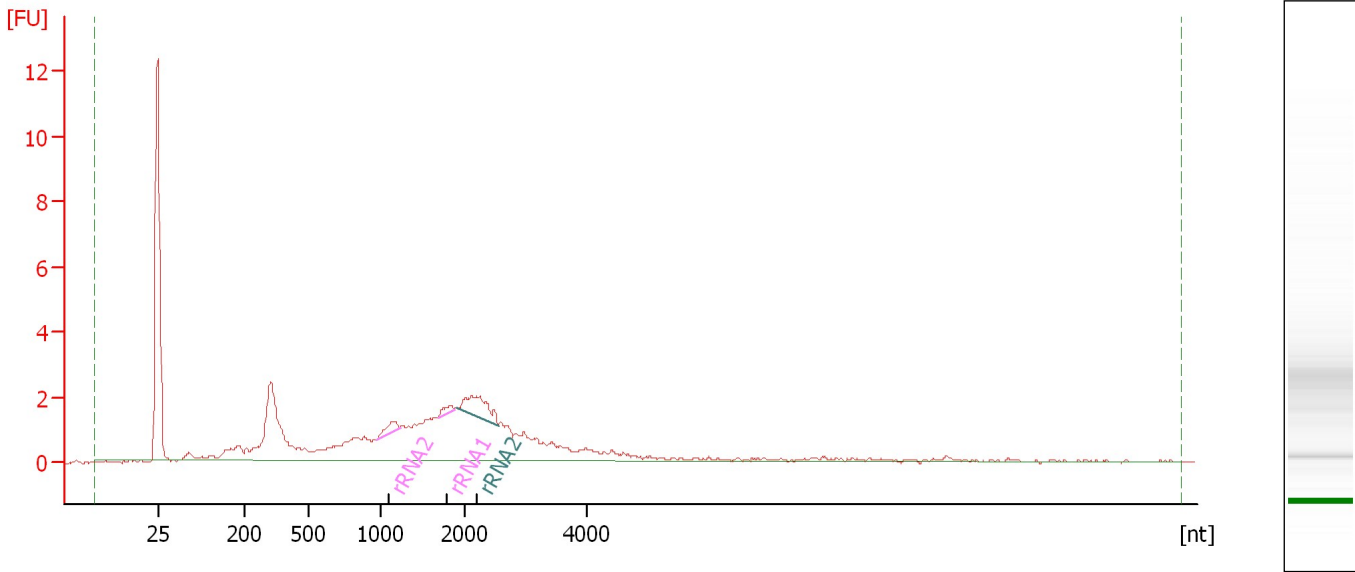
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,333	2,361	1.6	1.4
rRNA1	3,062	3,367	0.3	0.2

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 2



**Overall Results for sample 2 : Sample 2**

RNA Area: 63.7                      rRNA Contamination: 5.9 %  
RNA Concentration: 406 pg/μl

**Fragment table for sample 2 : Sample 2**

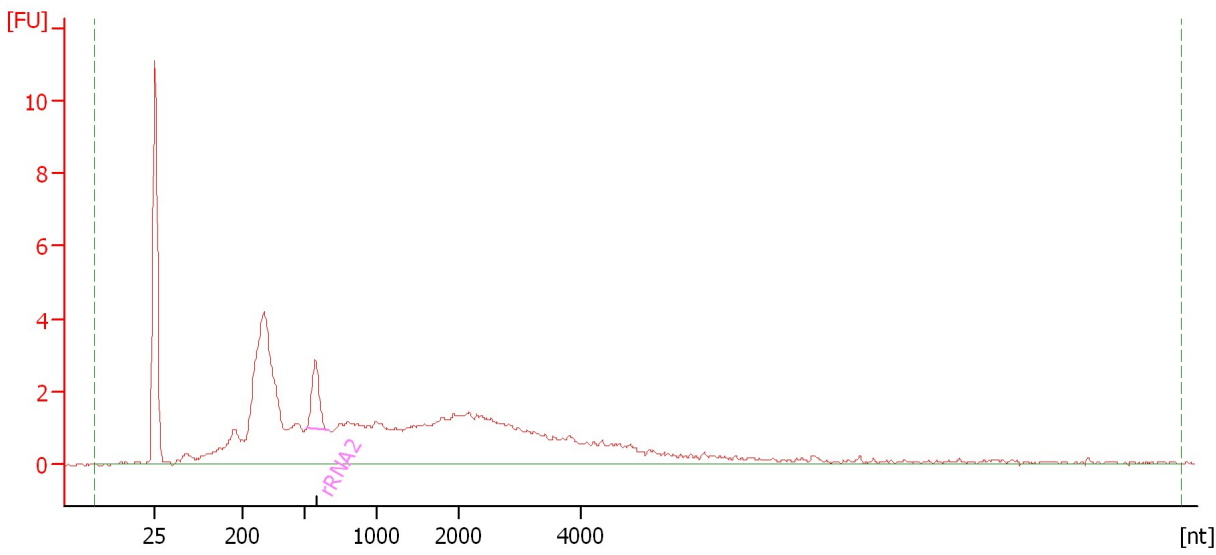
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	966	1,228	0.7	1.2
rRNA1	1,688	1,879	0.4	0.6
rRNA2	1,918	2,554	2.6	4.1

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
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**Electropherogram Summary Continued ...**

Sample 3



**Overall Results for sample 3 : Sample 3**

RNA Area: 97.0                      rRNA Contamination: 3.4 %  
RNA Concentration: 618 pg/μl

**Fragment table for sample 3 : Sample 3**

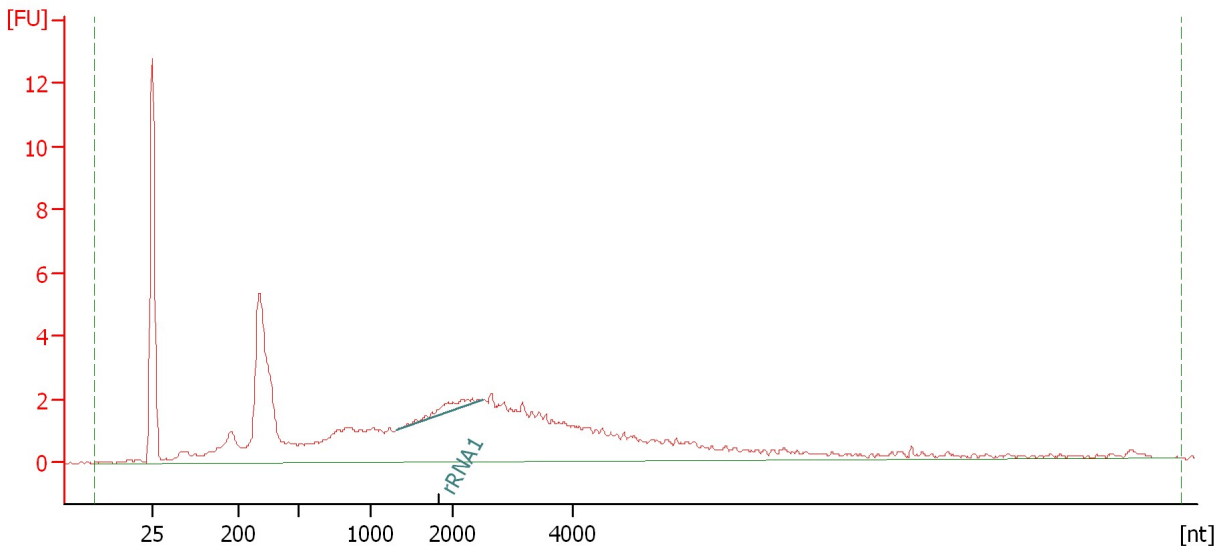
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	523	665	3.3	3.4

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 4



**Overall Results for sample 4 : Sample 4**

RNA Area: 110.2                      rRNA Contamination: 1.8 %  
RNA Concentration: 702 pg/μl

**Fragment table for sample 4 : Sample 4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,300	2,481	1.9	1.8

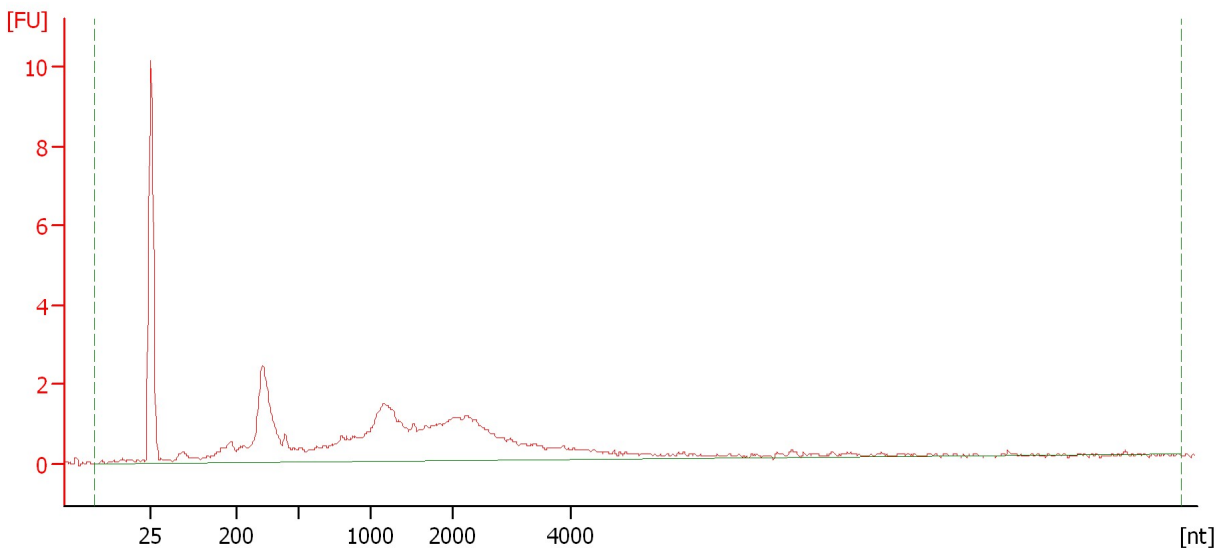


Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 5



**Overall Results for sample 5 : Sample 5**

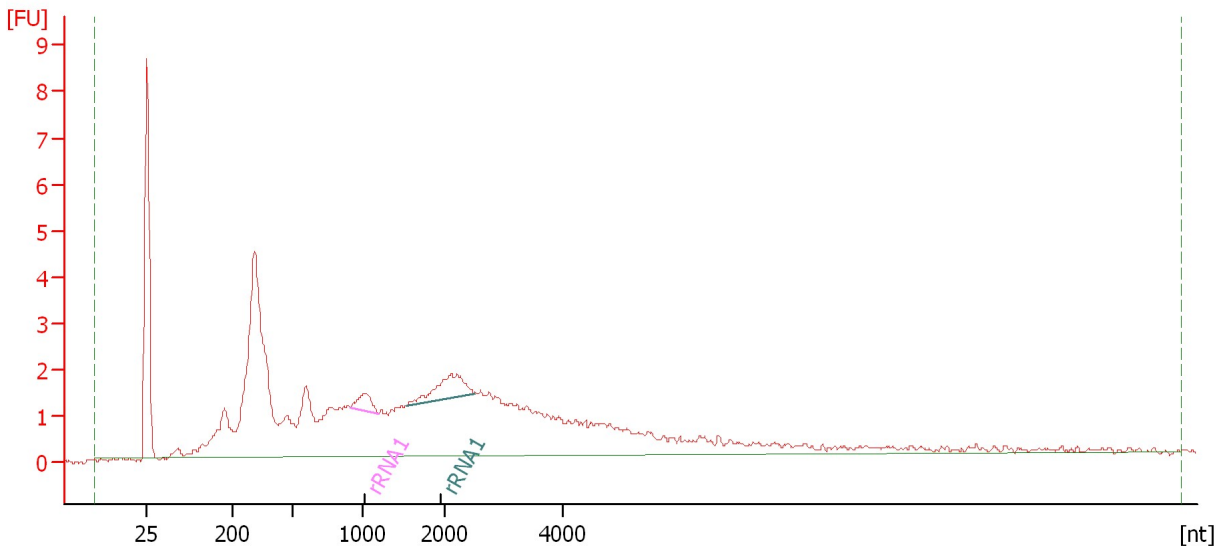
RNA Area: 53.6                      rRNA Contamination: 0.0 %  
RNA Concentration: 341 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 6



**Overall Results for sample 6 : Sample 6**

RNA Area: 98.4                      rRNA Contamination: 3.8 %  
RNA Concentration: 627 pg/μl

**Fragment table for sample 6 : Sample 6**

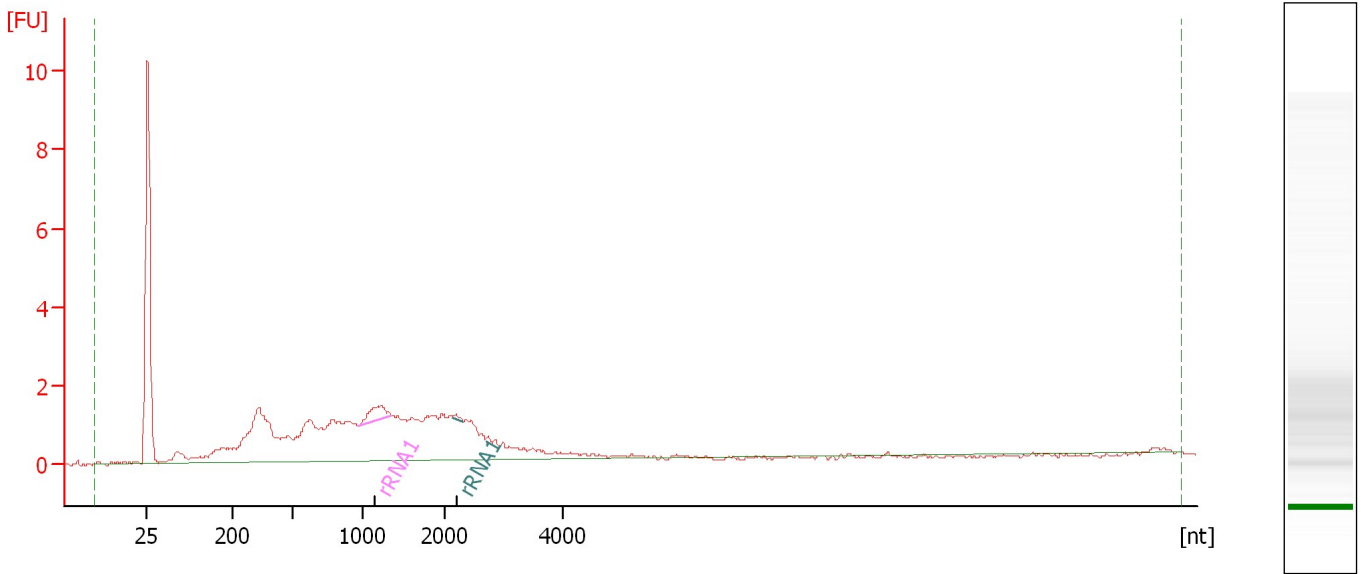
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	915	1,178	1.1	1.1
rRNA1	1,544	2,513	2.7	2.7

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 7



**Overall Results for sample 7 : Sample 7**

RNA Area: 55.9                      rRNA Contamination: 2.4 %  
RNA Concentration: 356 pg/μl

**Fragment table for sample 7 : Sample 7**

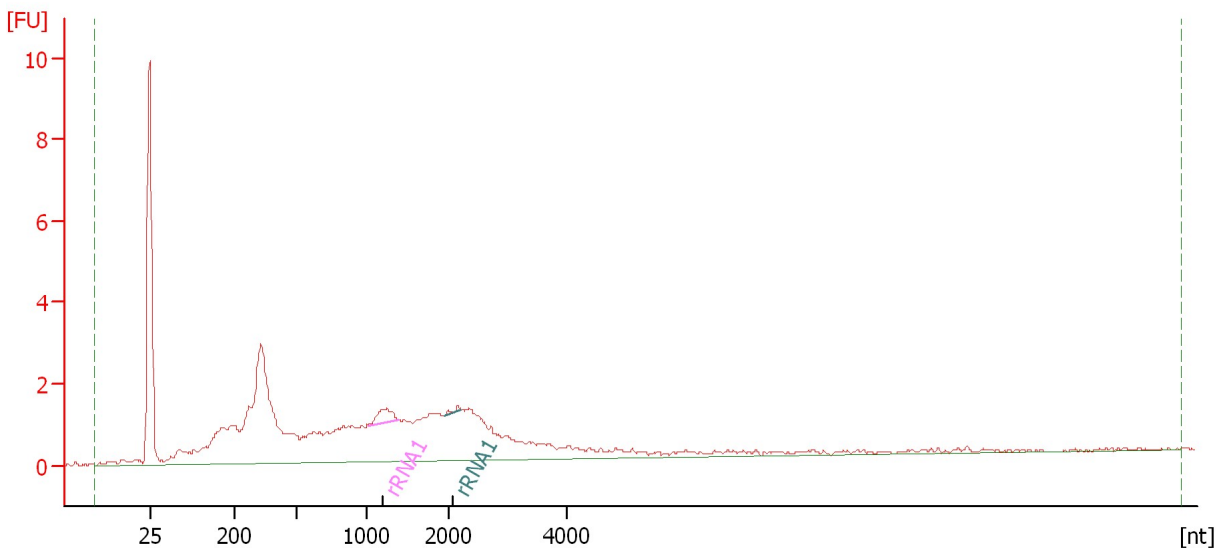
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	971	1,346	1.3	2.3
rRNA1	2,148	2,324	0.1	0.2

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 8



**Overall Results for sample 8 : Sample 8**

RNA Area: 71.3                      rRNA Contamination: 1.7 %  
RNA Concentration: 454 pg/μl

**Fragment table for sample 8 : Sample 8**

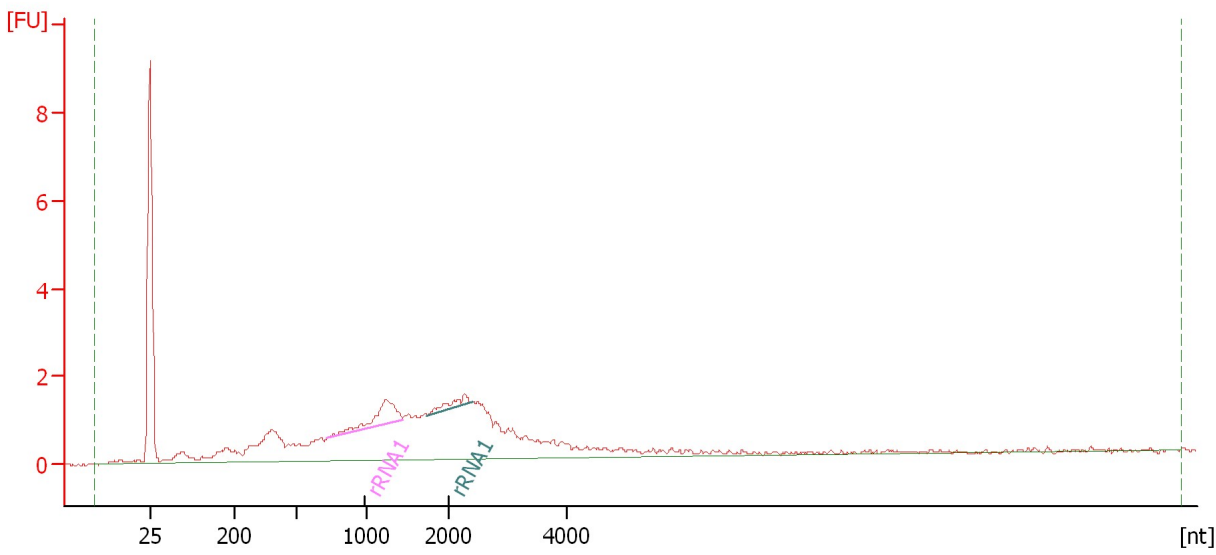
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,008	1,382	1.0	1.4
rRNA1	1,961	2,215	0.2	0.2

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 9



**Overall Results for sample 9 : Sample 9**

RNA Area: 54.2                      rRNA Contamination: 5.7 %  
RNA Concentration: 345 pg/μl

**Fragment table for sample 9 : Sample 9**

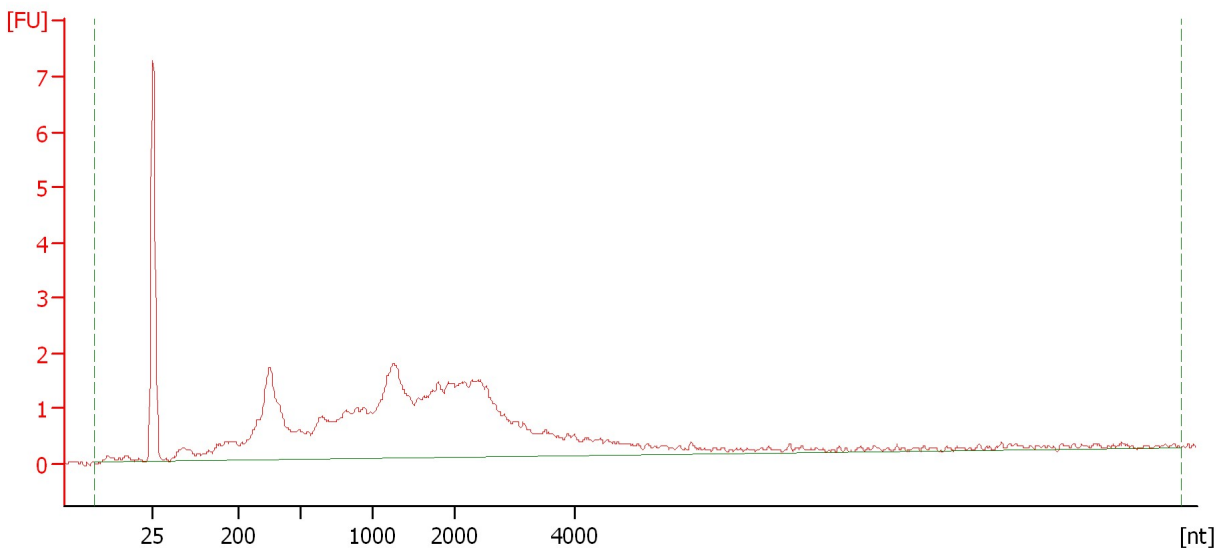
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	720	1,431	2.4	4.4
rRNA1	1,735	2,390	0.7	1.3

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 10



**Overall Results for sample 10 : Sample 10**

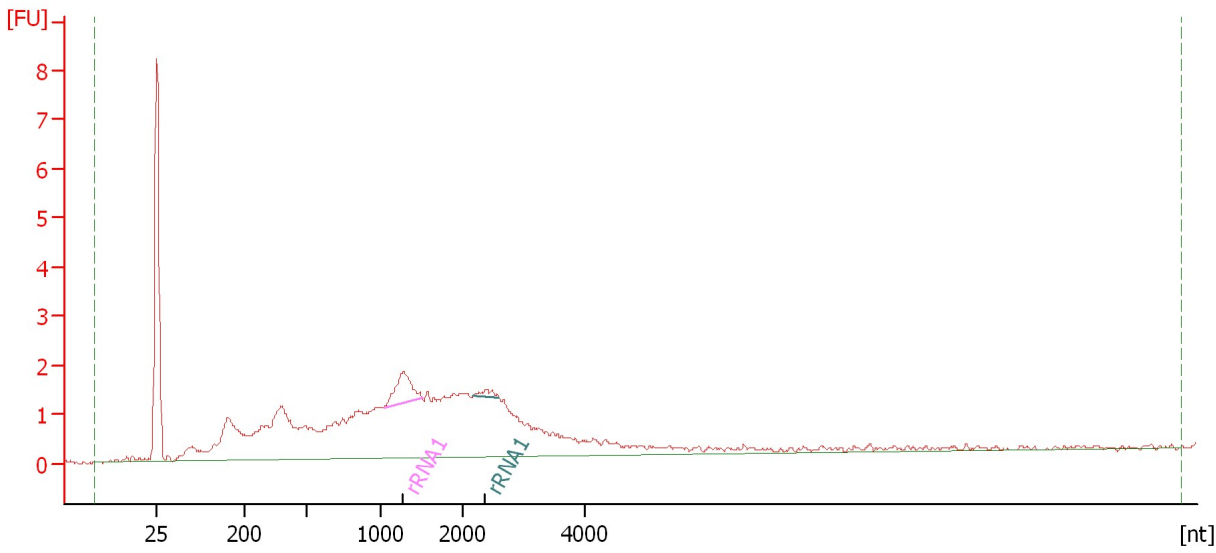
RNA Area: 64.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 407 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Electropherogram Summary Continued ...**

Sample 11



**Overall Results for sample 11 : Sample 11**

RNA Area: 67.1                      rRNA Contamination: 3.6 %  
RNA Concentration: 427 pg/μl

**Fragment table for sample 11 : Sample 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,053	1,514	2.1	3.1
rRNA1	2,175	2,595	0.3	0.5

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22\_004.xad

Created: 5/22/2015 5:53:20 PM  
Modified: 5/22/2015 6:19:14 PM

**Gel Image**

