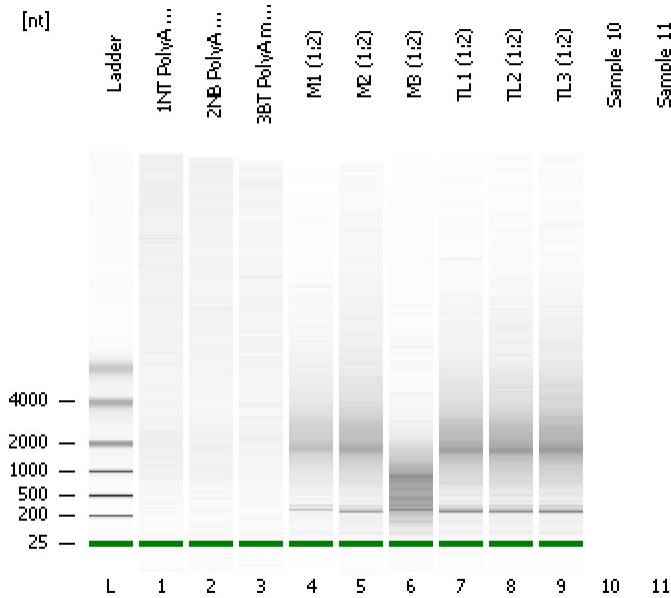


Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

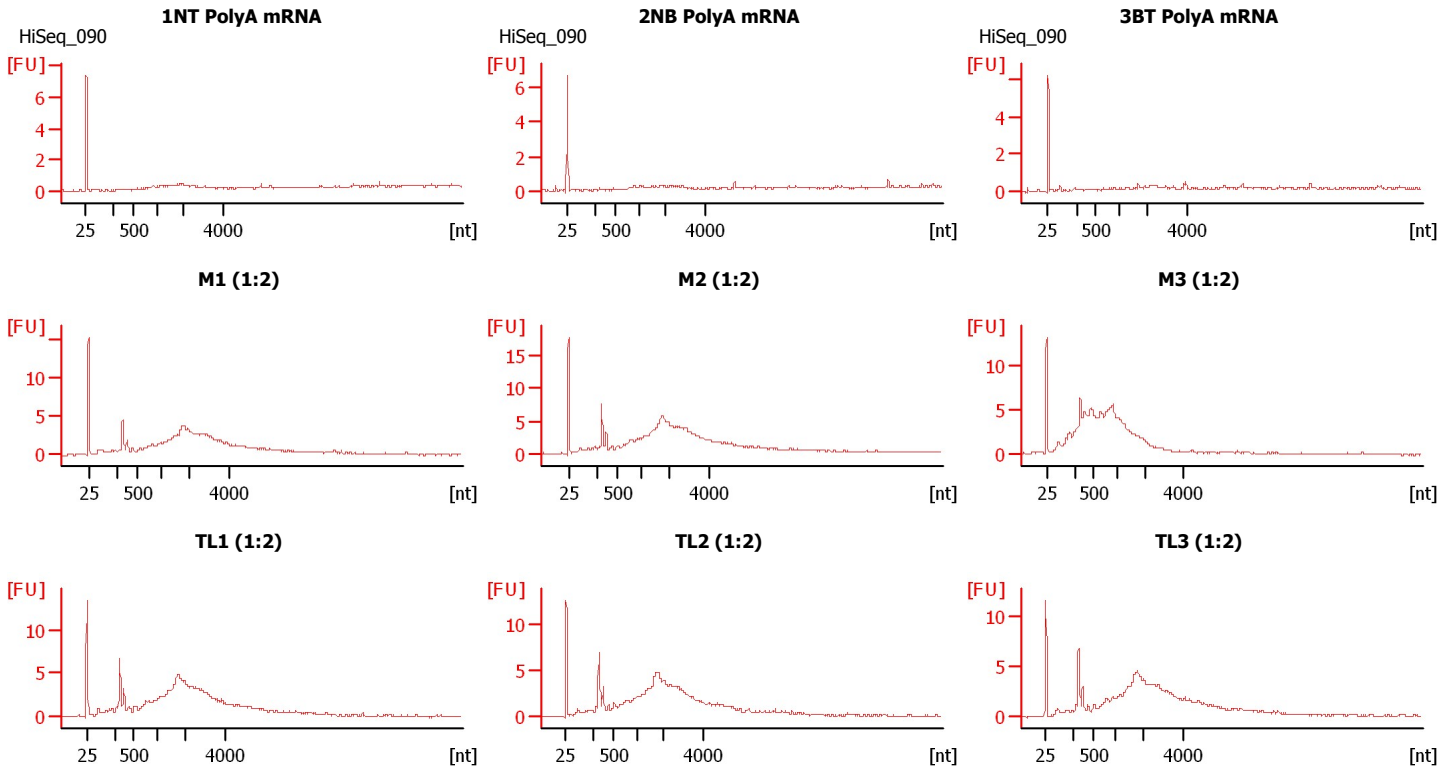
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1NT PolyA mRNA	HiSeq_090	✓		
2NB PolyA mRNA	HiSeq_090	✓		
3BT PolyA mRNA	HiSeq_090	✓		
M1 (1:2)		✓		
M2 (1:2)		✓		
M3 (1:2)		✓		
TL1 (1:2)		✓		
TL2 (1:2)		✓		
TL3 (1:2)		✓		
Sample 10				
Sample 11				
Ladder		✓		

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

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 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/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 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

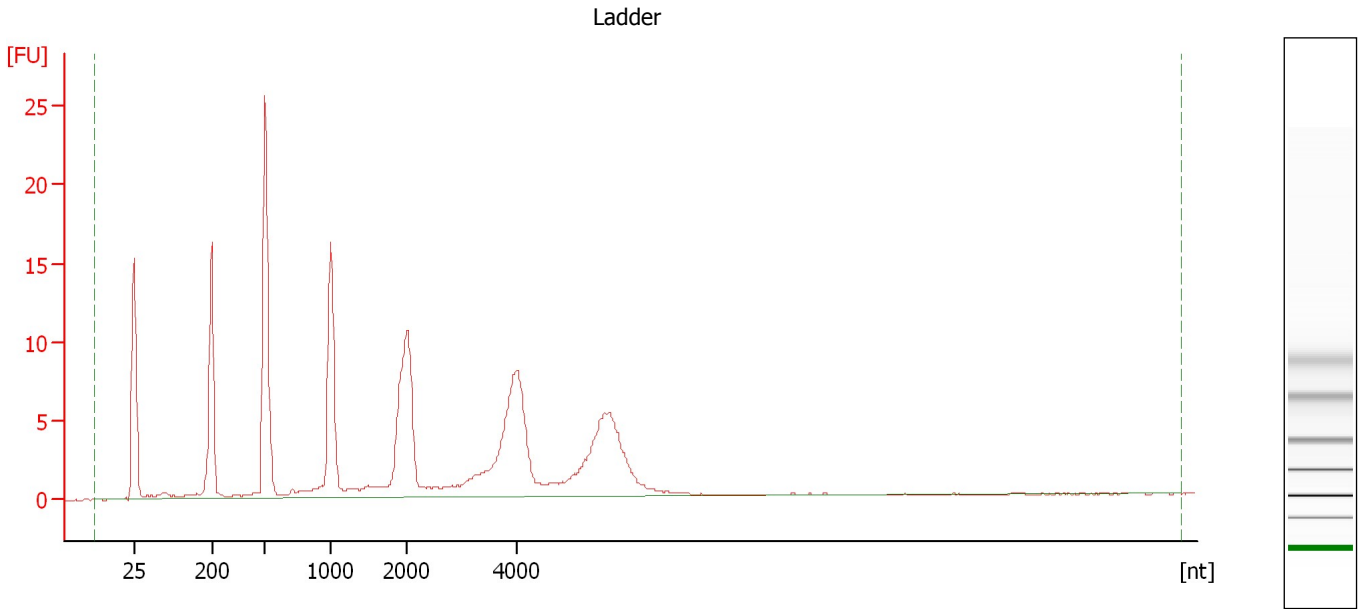
**Ladder**

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\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary**



**Overall Results for Ladder**

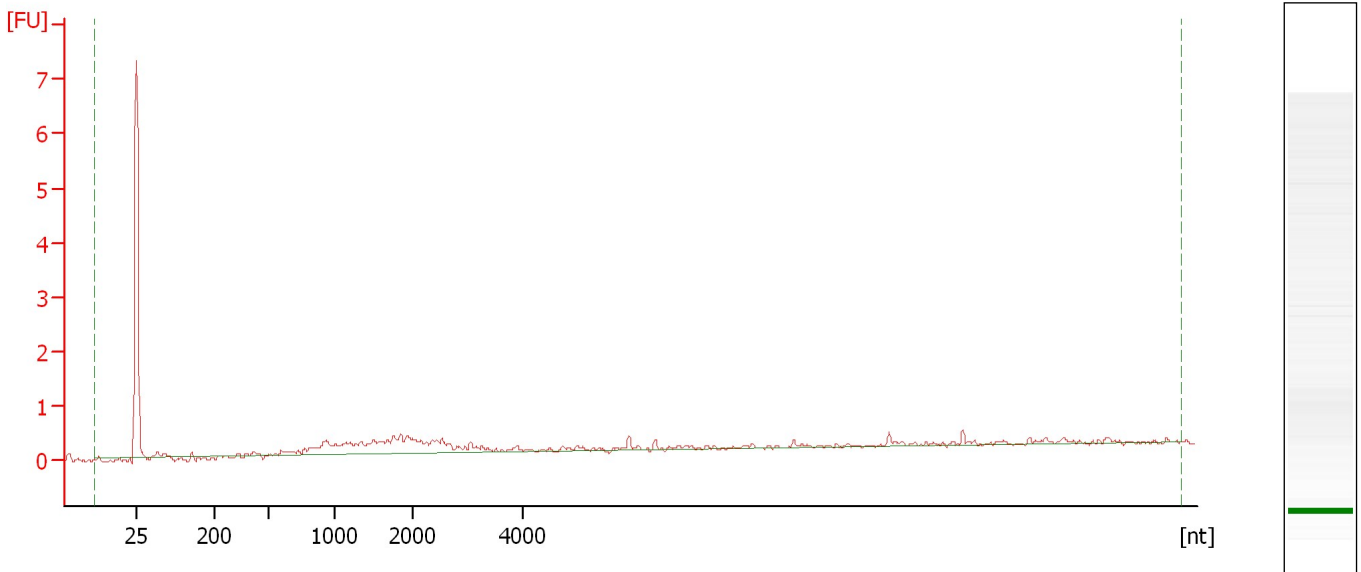
RNA Area: 206.8                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**

1NT PolyA mRNA [ HiSeq\_090 ]



**Overall Results for sample 1 : 1NT PolyA mRNA**

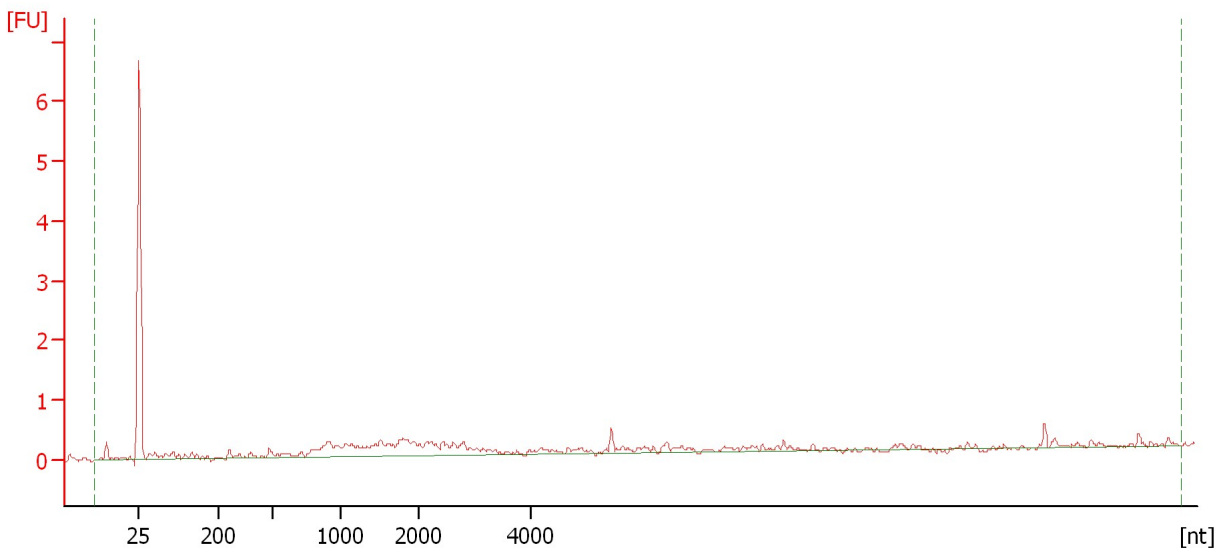
RNA Area:	9.5	rRNA Contamination:	0.0 %
RNA Concentration:	46 pg/ $\mu$ l		

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**

2NB PolyA mRNA [ HiSeq\_090 ]



**Overall Results for sample 2 : 2NB PolyA mRNA**

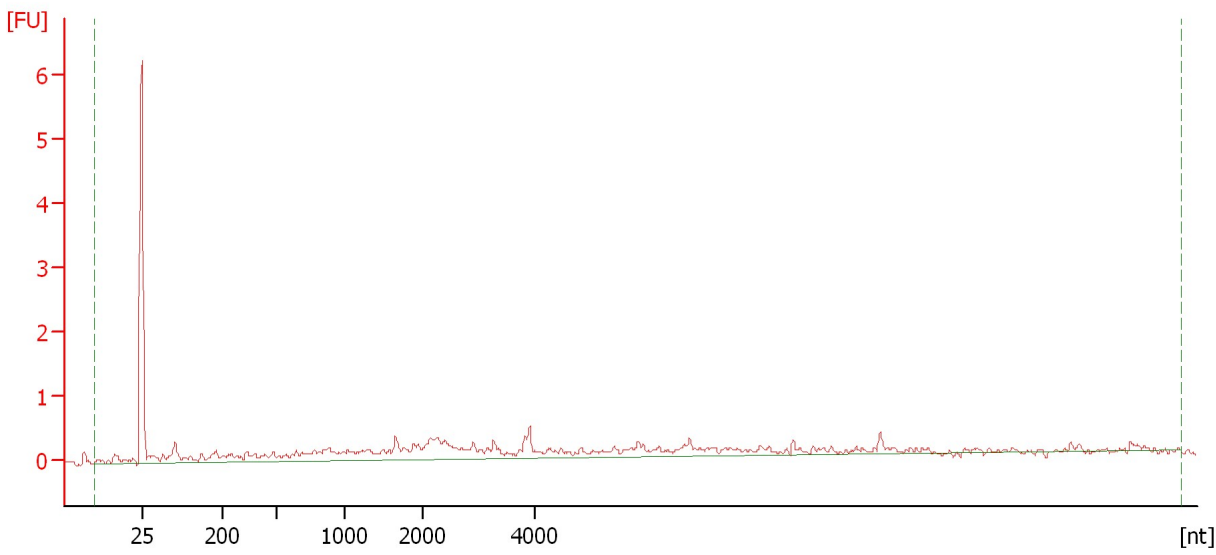
RNA Area:	11.3	rRNA Contamination:	0.0 %
RNA Concentration:	55 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**

3BT PolyA mRNA [ HiSeq\_090 ]



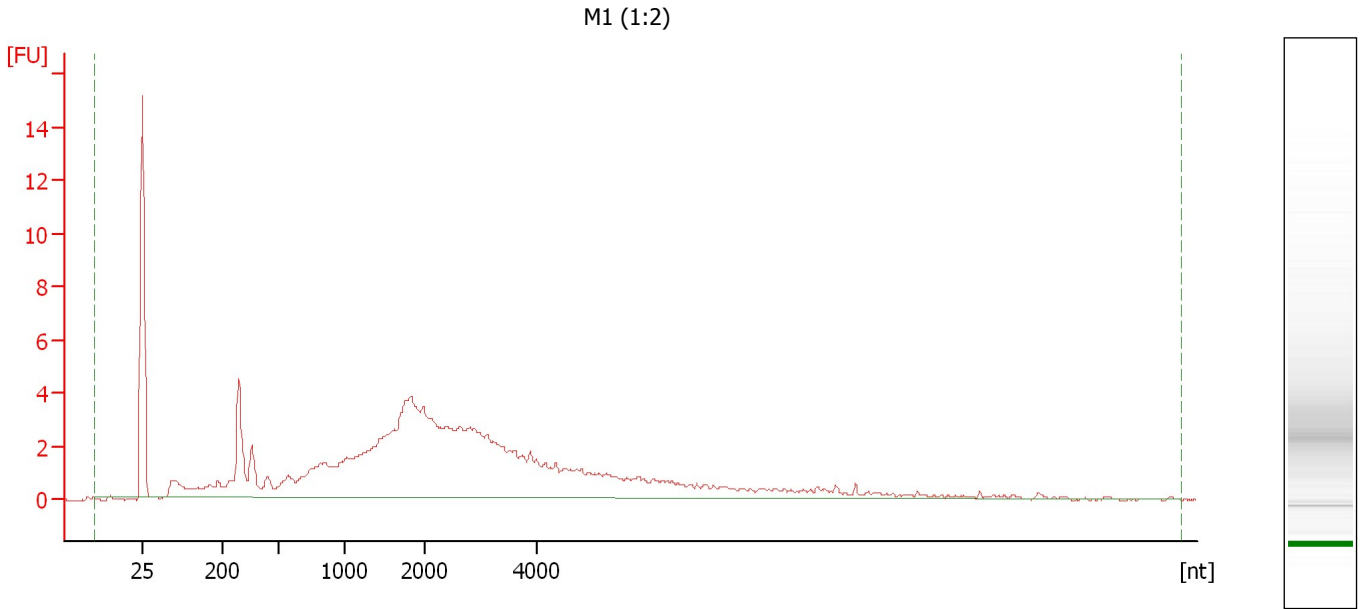
**Overall Results for sample 3 : 3BT PolyA mRNA**

RNA Area:	15.7	rRNA Contamination:	0.0 %
RNA Concentration:	76 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : M1 (1:2)**

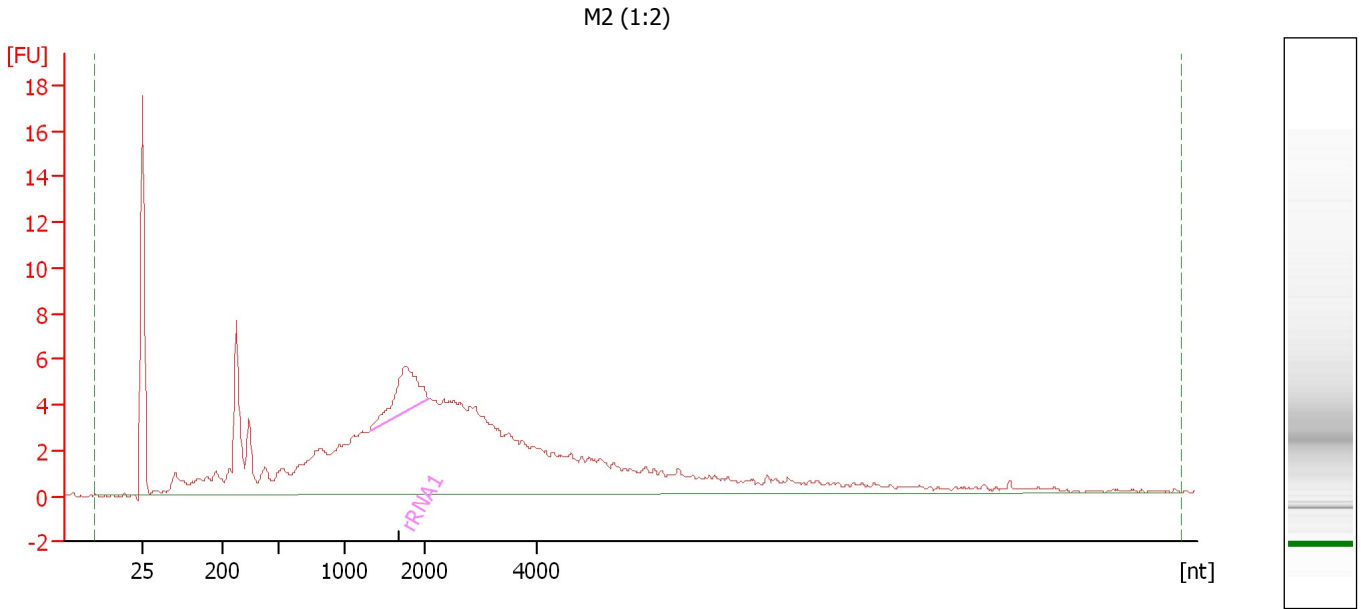
RNA Area:	137.1	rRNA Contamination:	0.0 %
RNA Concentration:	663 pg/μl		



Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : M2 (1:2)**

RNA Area: 207.4                      rRNA Contamination: 4.5 %  
RNA Concentration: 1,003 pg/μl

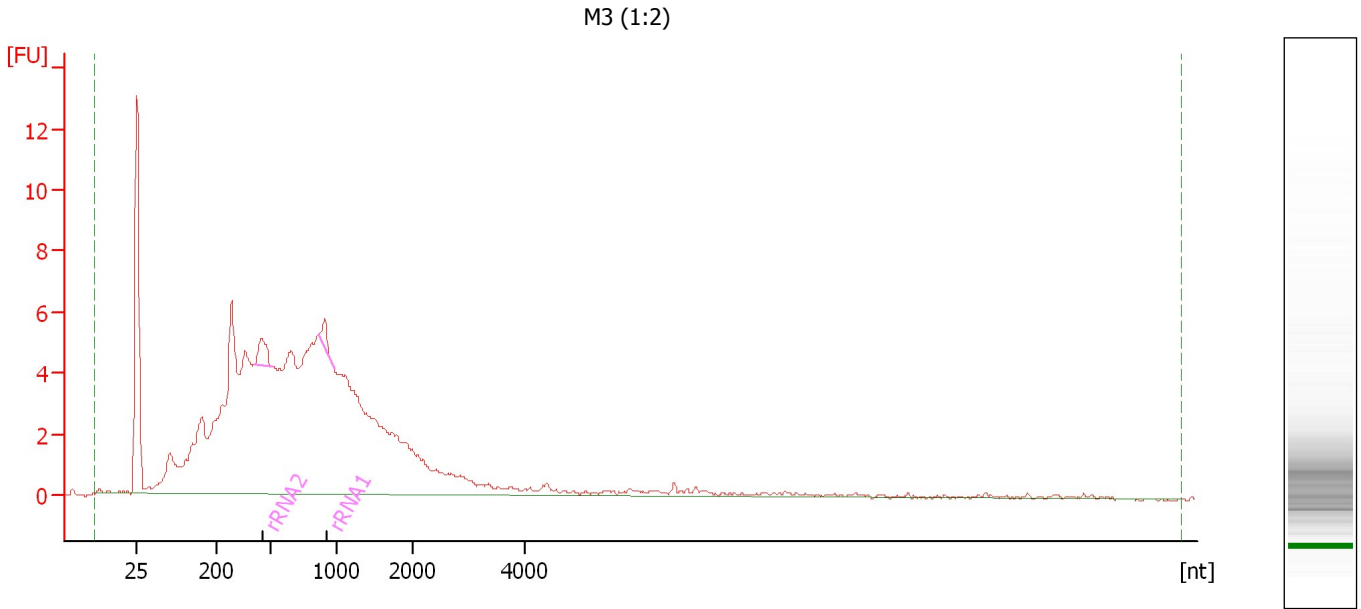
**Fragment table for sample 5 : M2 (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,319	2,080	9.3	4.5

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : M3 (1:2)**

RNA Area: 201.6                      rRNA Contamination: 1.5 %  
RNA Concentration: 975 pg/μl

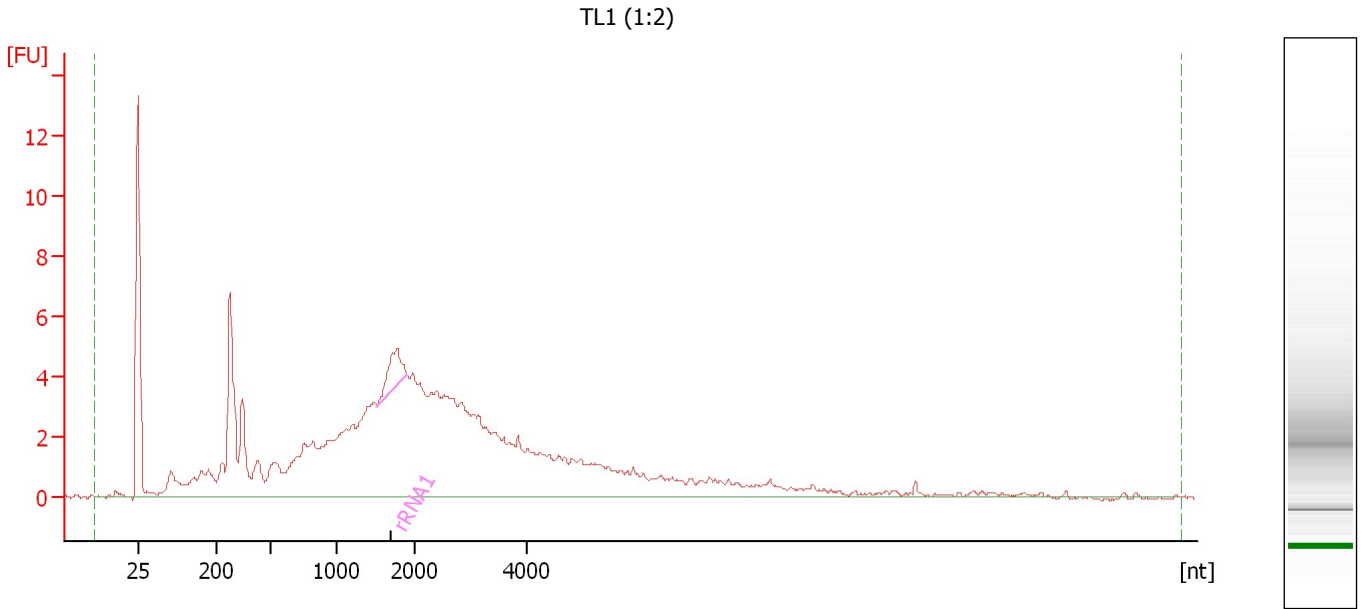
**Fragment table for sample 6 : M3 (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	412	513	2.0	1.0
rRNA1	869	983	1.1	0.5

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : TL1 (1:2)**

RNA Area: 177.9                      rRNA Contamination: 2.0 %  
RNA Concentration: 860 pg/μl

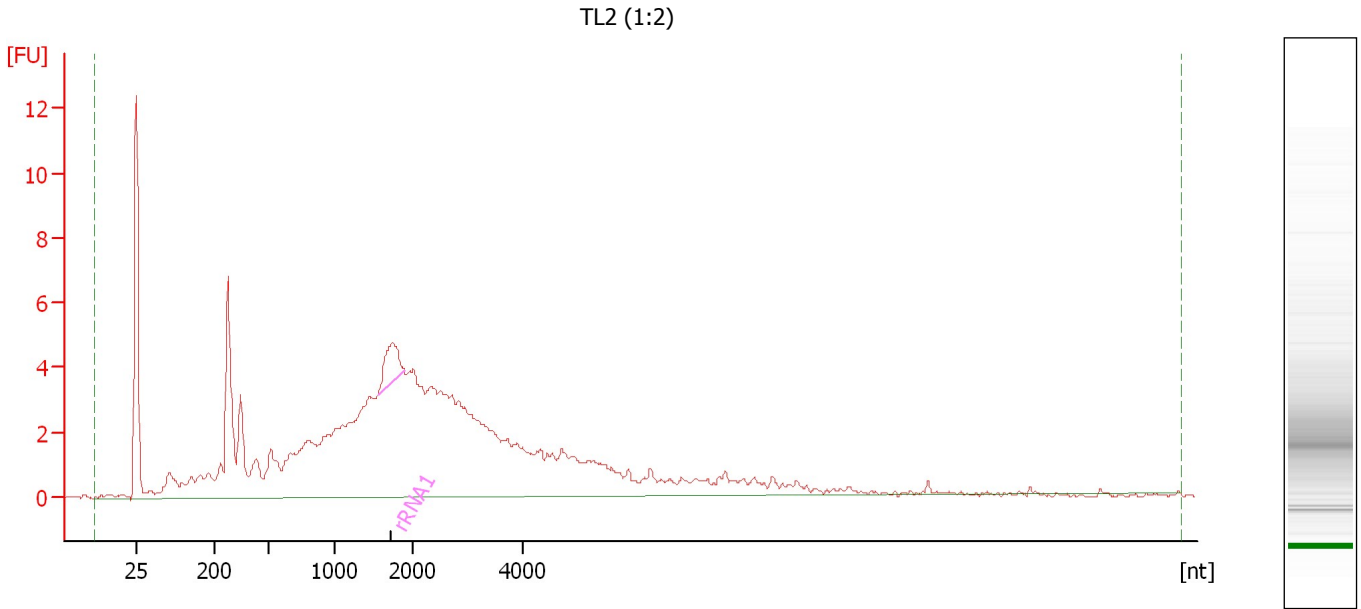
**Fragment table for sample 7 : TL1 (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,510	1,900	3.5	2.0

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : TL2 (1:2)**

RNA Area: 171.1                      rRNA Contamination: 2.0 %  
RNA Concentration: 828 pg/μl

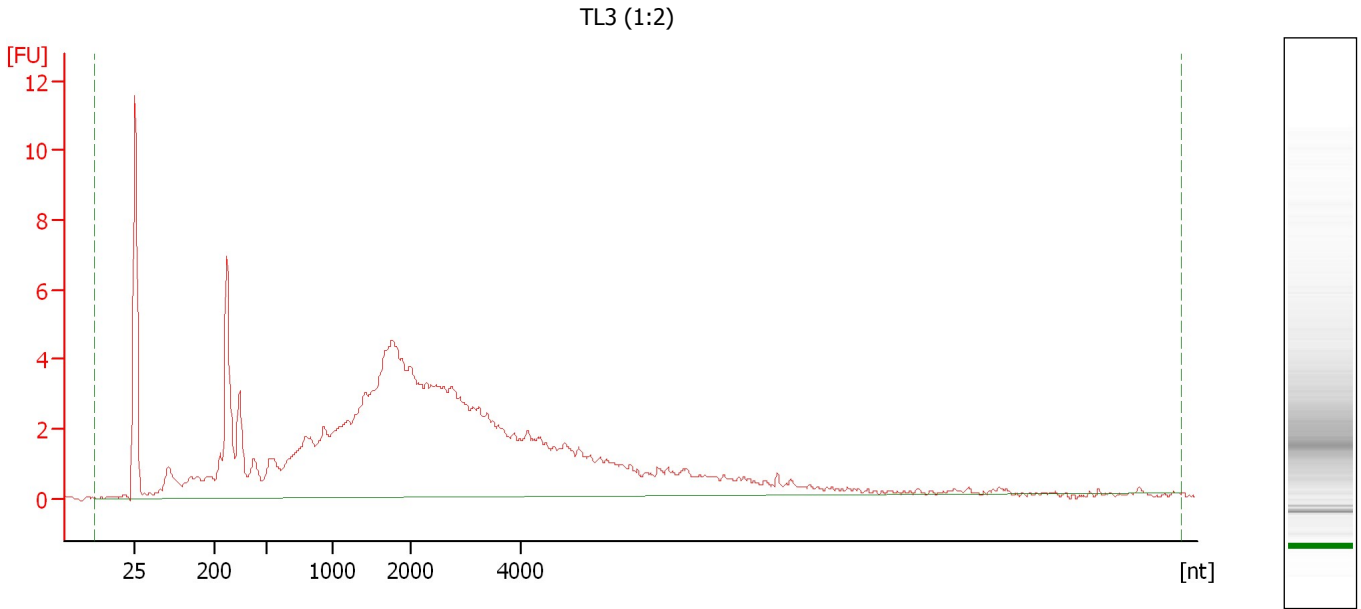
**Fragment table for sample 8 : TL2 (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,557	1,909	3.5	2.0

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Electropherogram Summary Continued ...**



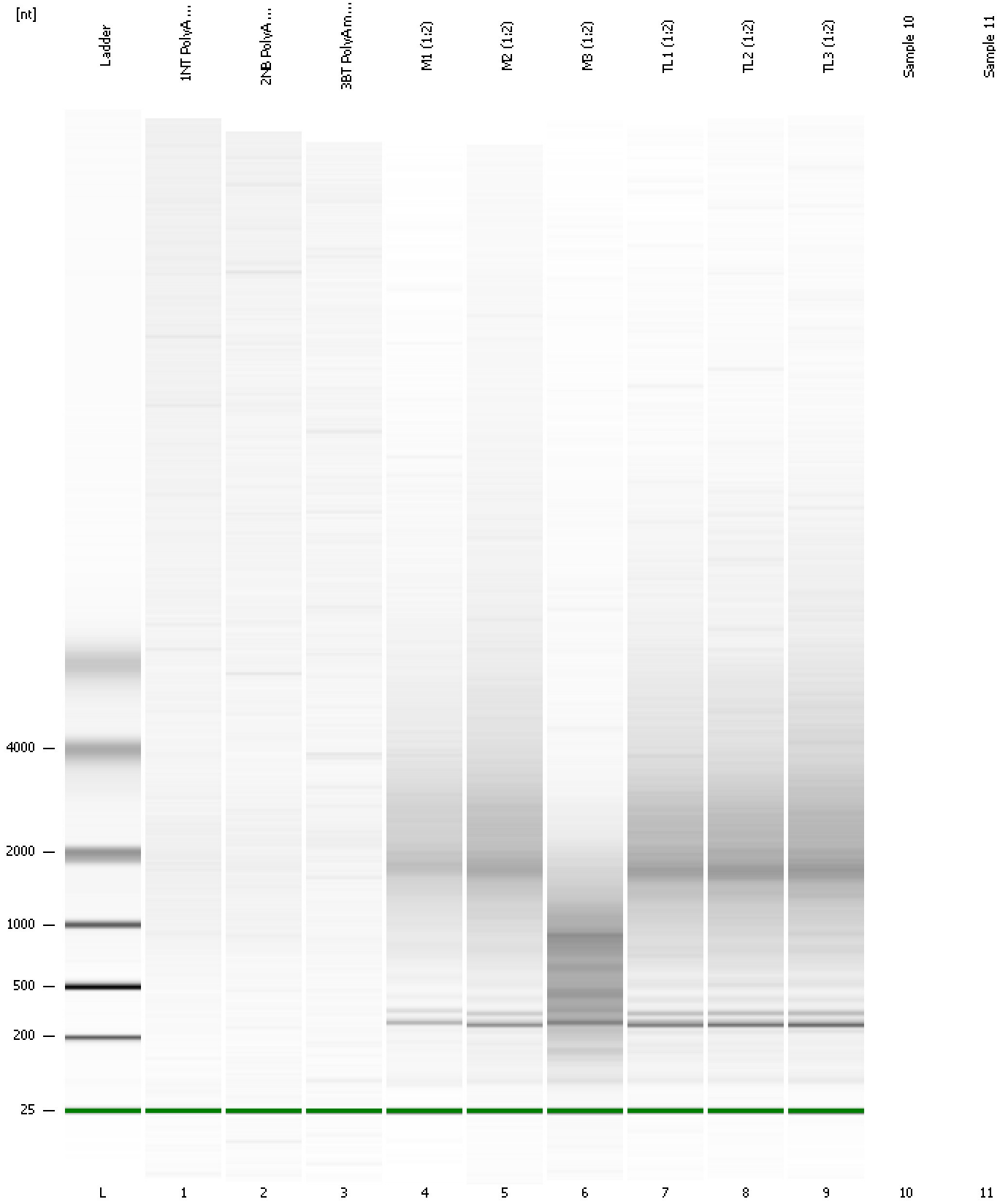
**Overall Results for sample 9 : TL3 (1:2)**

RNA Area: 174.9                      rRNA Contamination: 0.0 %  
RNA Concentration: 846 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Gel Image**



Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-05\2015-05-05\_001.xad

Created: 5/5/2015 9:45:29 AM  
Modified: 5/5/2015 10:08:04 AM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.