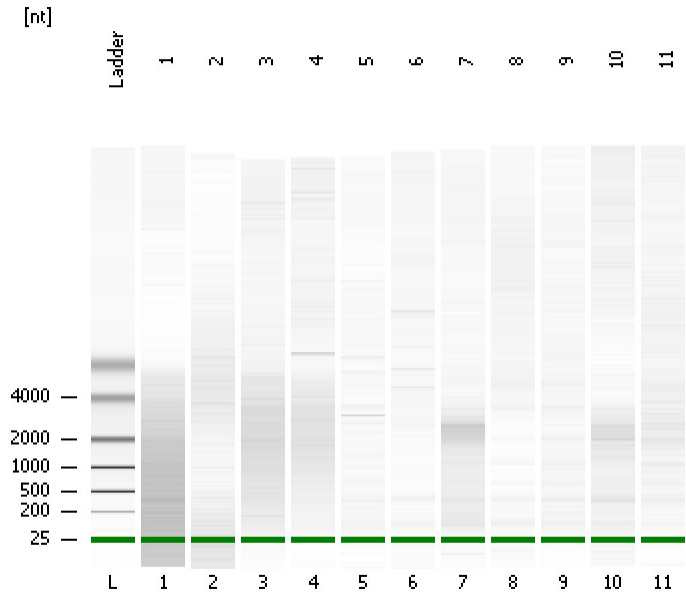


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

### Electrophoresis File Run Summary



#### Instrument Information:

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

#### Assay Information:

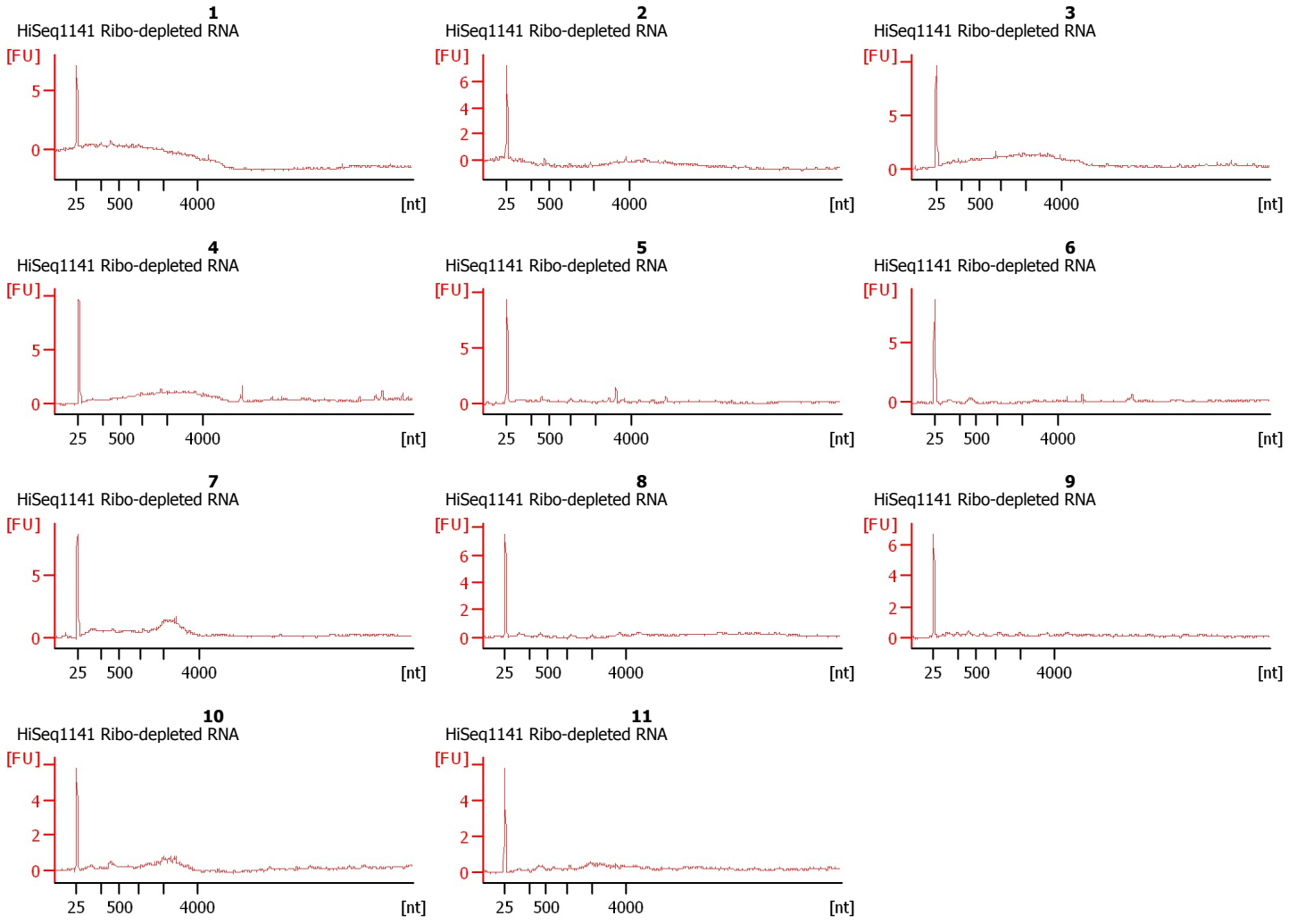
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq1141 Ribo-depleted RNA	✓		
2	HiSeq1141 Ribo-depleted RNA	✓		
3	HiSeq1141 Ribo-depleted RNA	✓		
4	HiSeq1141 Ribo-depleted RNA	✓		
5	HiSeq1141 Ribo-depleted RNA	✓		
6	HiSeq1141 Ribo-depleted RNA	✓		
7	HiSeq1141 Ribo-depleted RNA	✓		
8	HiSeq1141 Ribo-depleted RNA	✓		
9	HiSeq1141 Ribo-depleted RNA	✓		
10	HiSeq1141 Ribo-depleted RNA	✓		
11	HiSeq1141 Ribo-depleted RNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 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/ $\mu$ 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

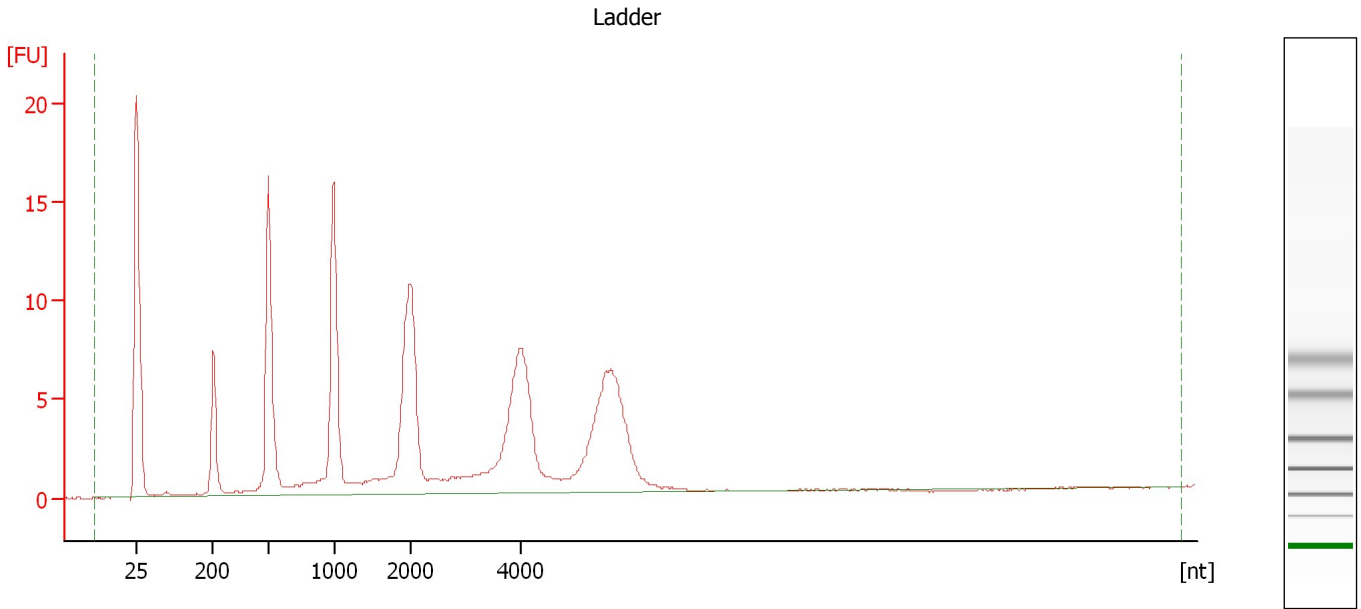
### Ladder

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

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary**



**Overall Results for Ladder**

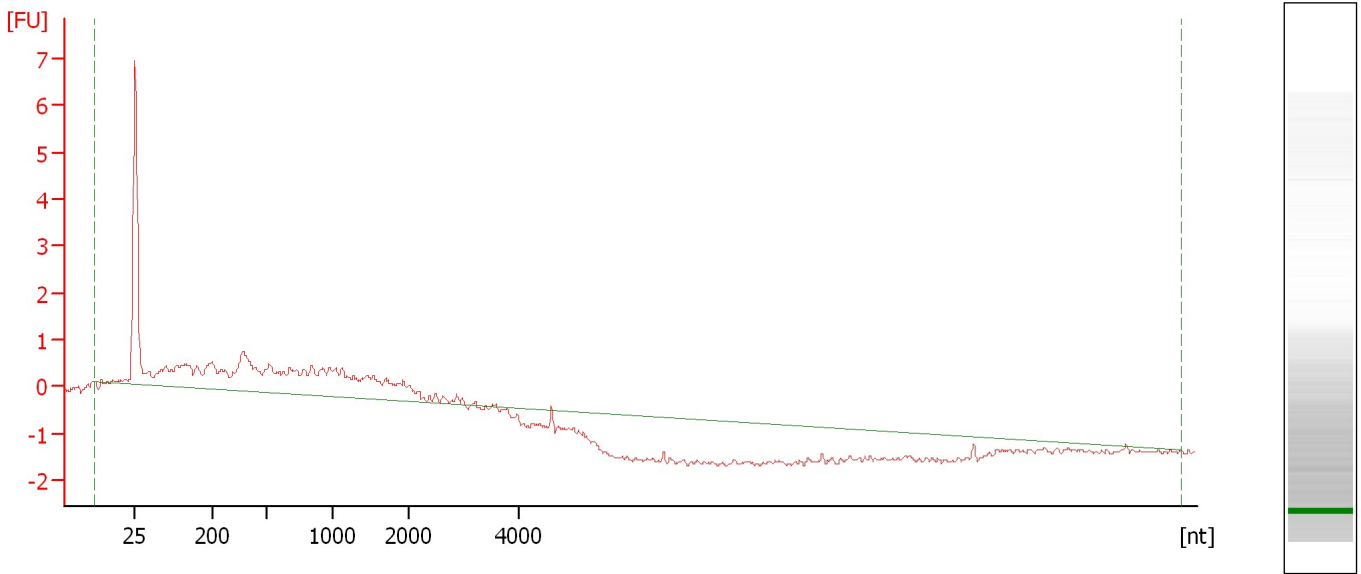
RNA Area: 180.8                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

1 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 1 : 1**

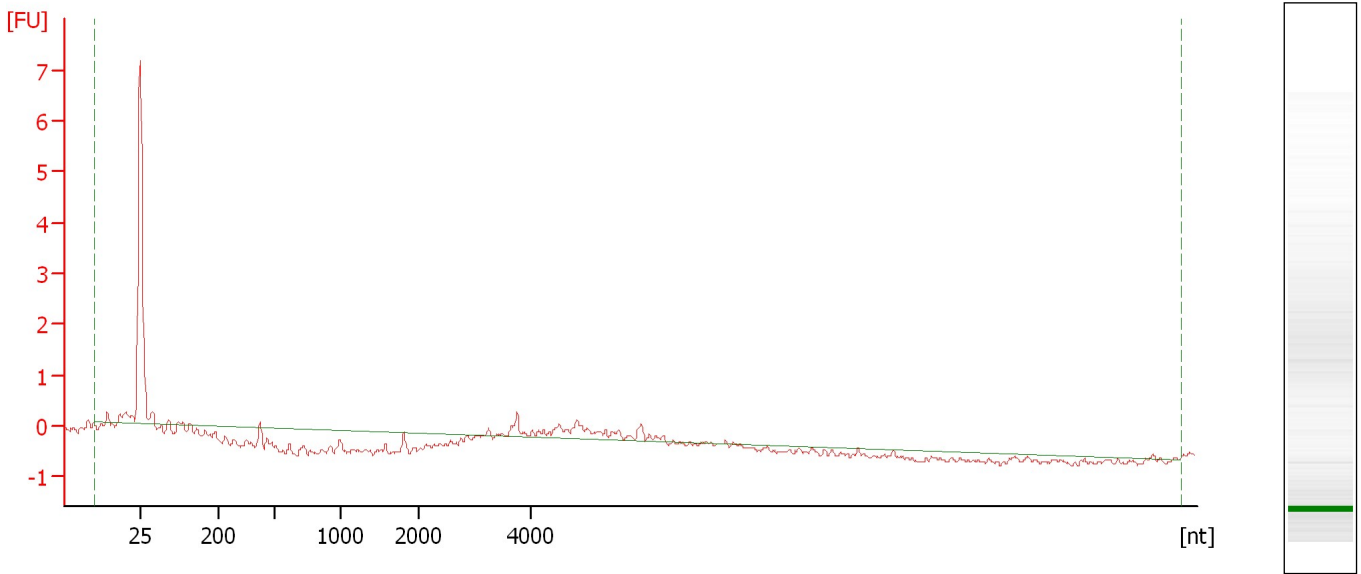
RNA Area:	28.0	rRNA Contamination:	0.0 %
RNA Concentration:	155 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

2 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 2 : 2**

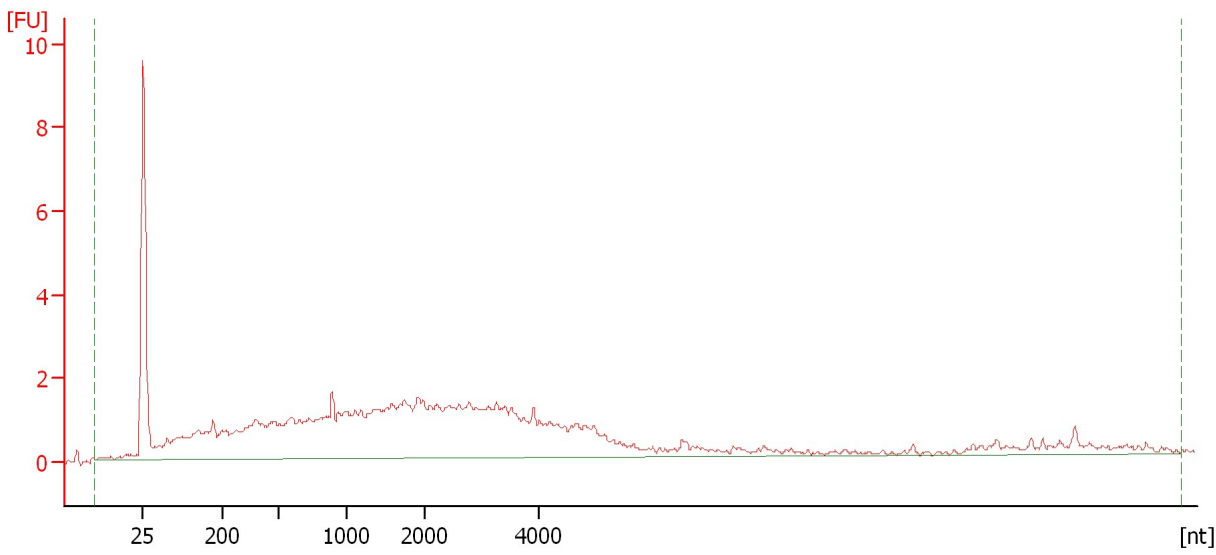
RNA Area: 5.2                      rRNA Contamination: 0.0 %  
RNA Concentration: 29 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

3 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 3 : 3**

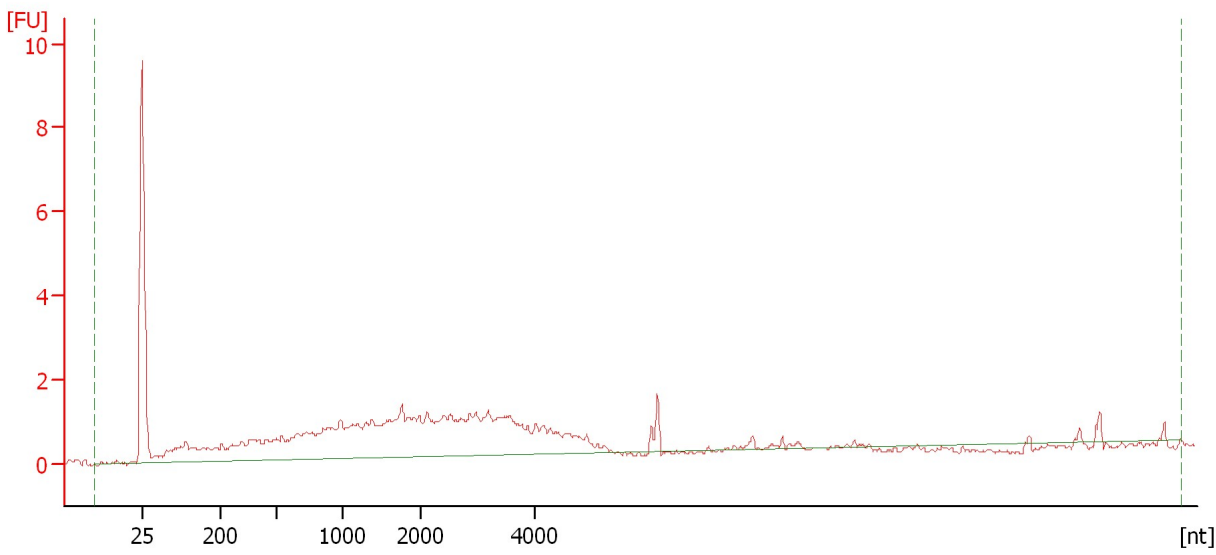
RNA Area:	87.1	rRNA Contamination:	0.0 %
RNA Concentration:	482 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

4 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 4 : 4**

RNA Area:	52.2	rRNA Contamination:	0.0 %
RNA Concentration:	289 pg/μl		

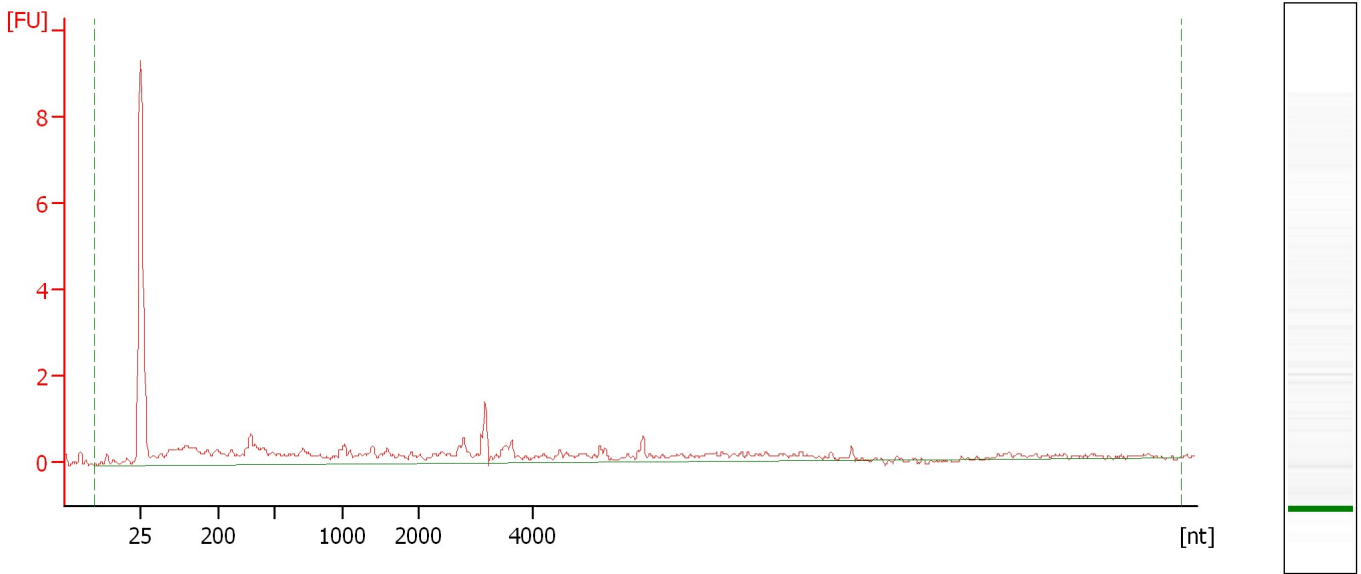


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

5 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 5 : 5**

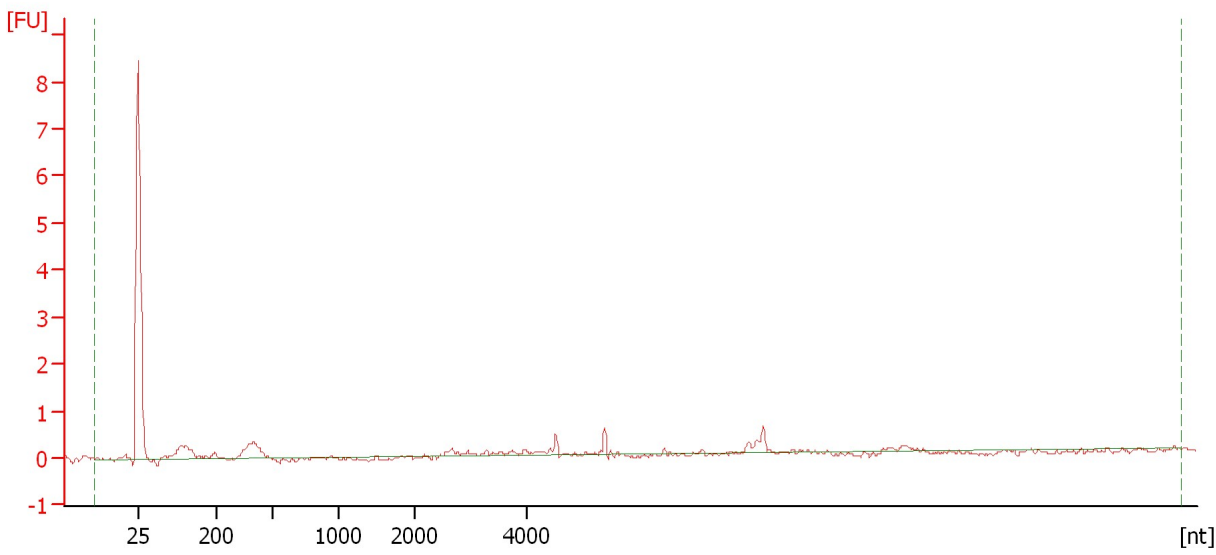
RNA Area:	28.7	rRNA Contamination:	0.0 %
RNA Concentration:	159 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

6 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 6 : 6**

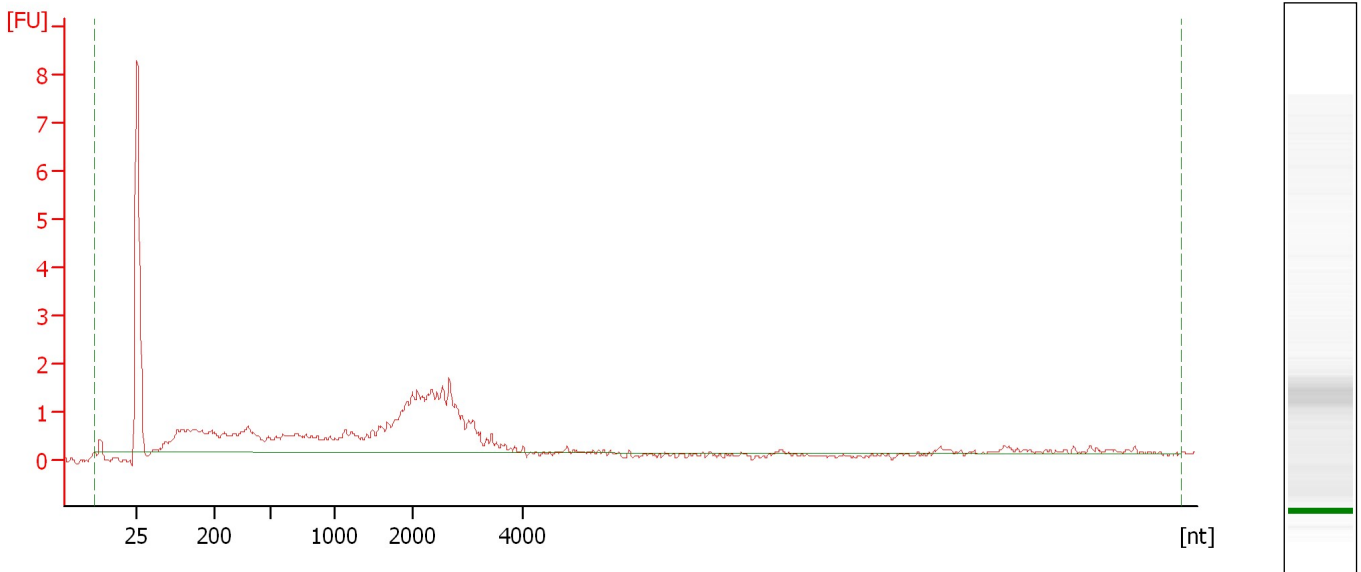
RNA Area:	6.6	rRNA Contamination:	0.0 %
RNA Concentration:	36 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

7 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 7 : 7**

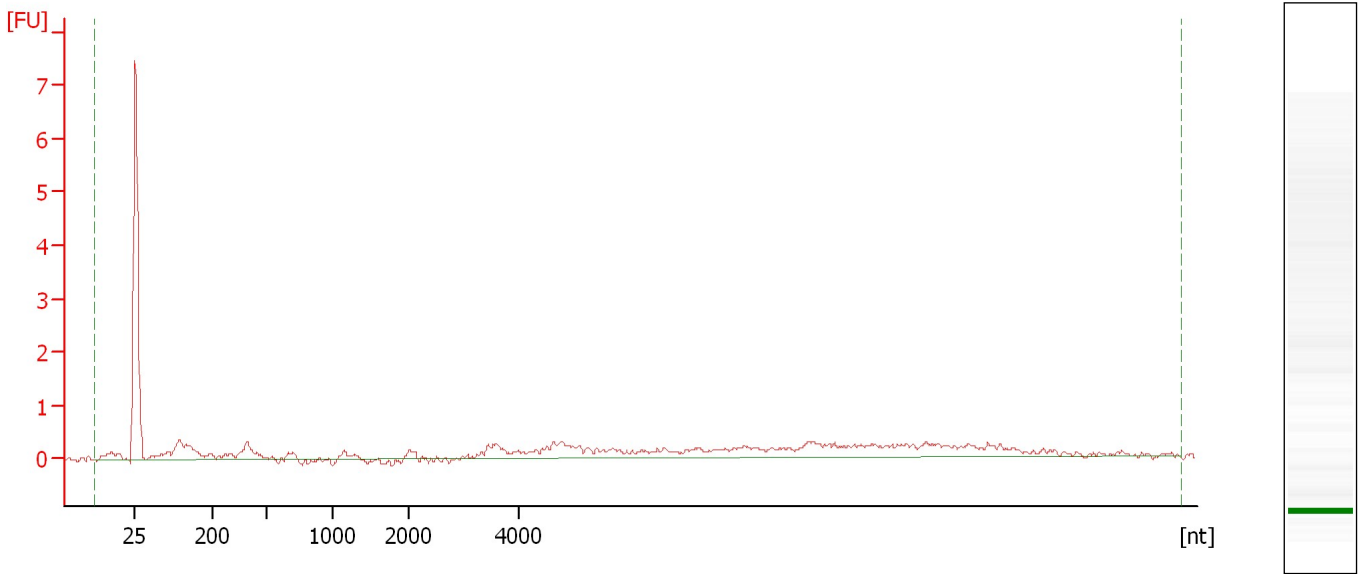
RNA Area: 37.8                      rRNA Contamination: 0.0 %  
RNA Concentration: 209 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

8 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 8 : 8**

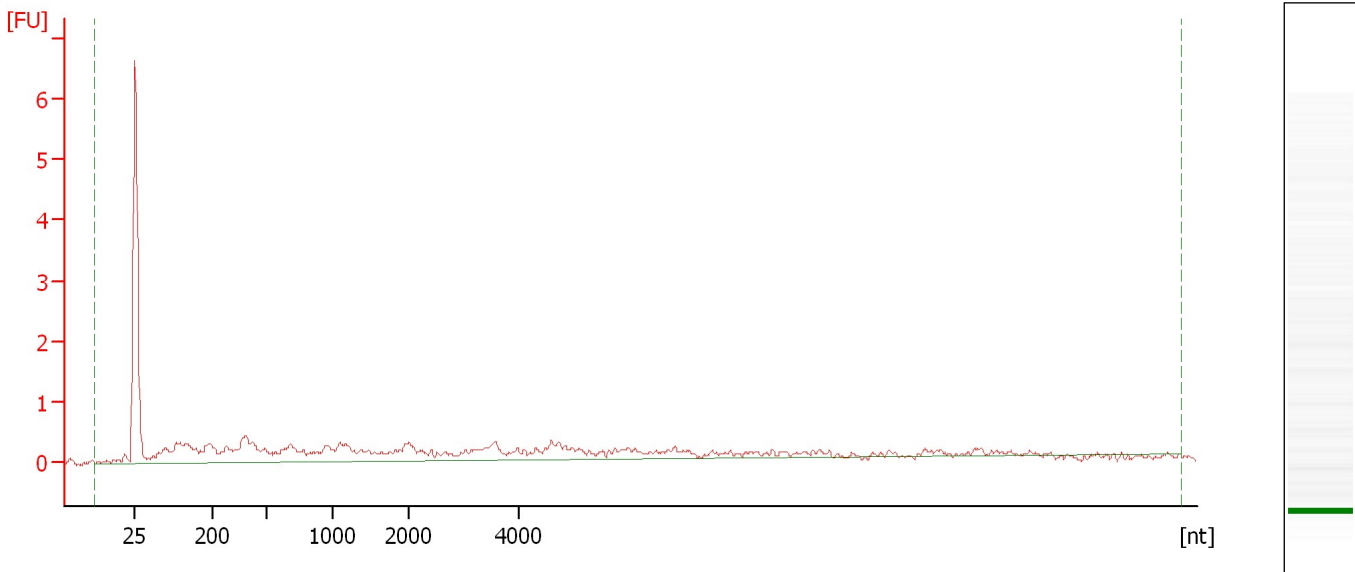
RNA Area:	16.8	rRNA Contamination:	0.0 %
RNA Concentration:	93 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

9 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 9 : 9**

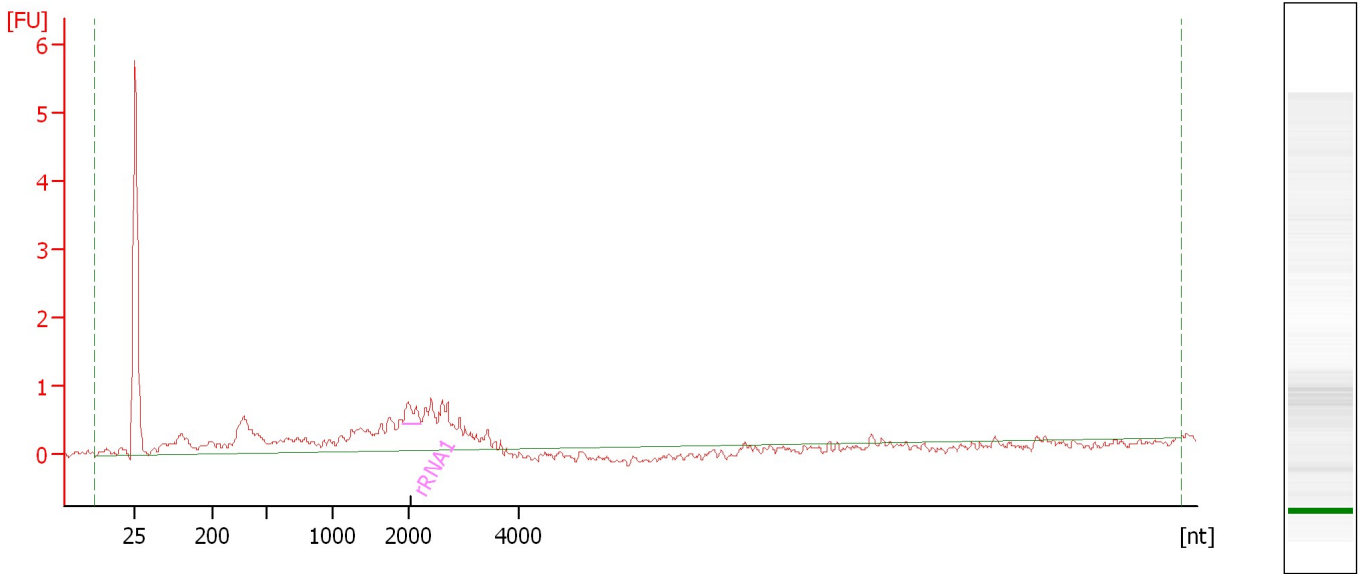
RNA Area:	20.0	rRNA Contamination:	0.0 %
RNA Concentration:	111 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

10 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 10 : 10**

RNA Area: 20.1                      rRNA Contamination: 3.0 %  
RNA Concentration: 111 pg/μl

**Fragment table for sample 10 : 10**

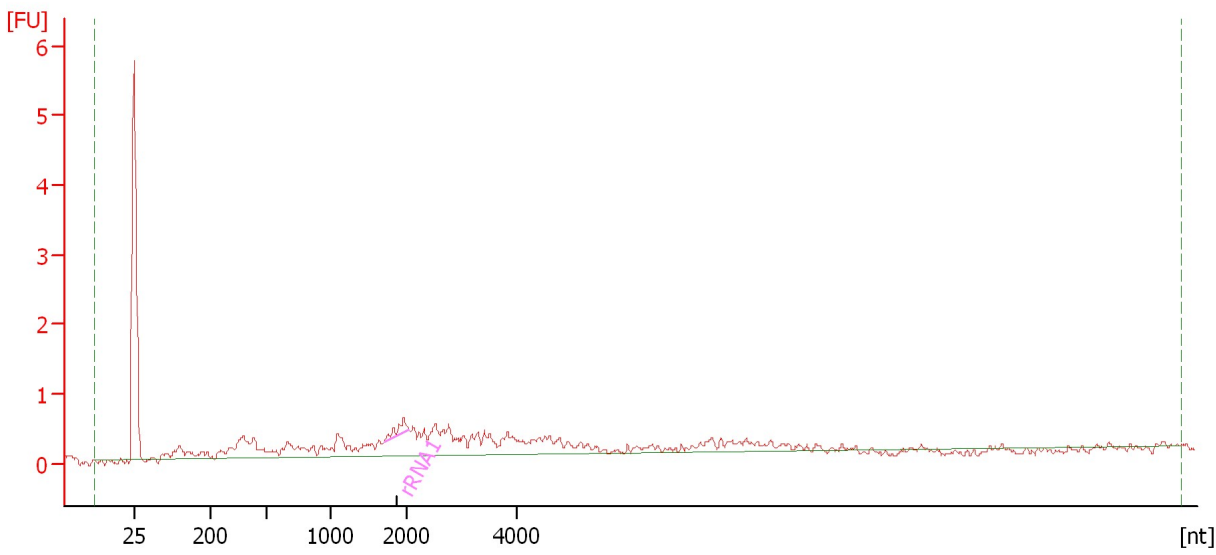
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,915	2,215	0.6	3.0

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Electropherogram Summary Continued ...**

11 [ HiSeq1141 Ribo-depleted RNA ]



**Overall Results for sample 11 : 11**

RNA Area: 18.1                      rRNA Contamination: 2.1 %  
RNA Concentration: 100 pg/μl

**Fragment table for sample 11 : 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,694	2,041	0.4	2.1

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-26\2017-10-26\_001.xad

Created: 10/26/2017 9:50:41 AM  
Modified: 10/26/2017 10:22:14 AM

**Gel Image**

