

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

Created: 12/8/2017 11:29:39 AM
Modified: 12/8/2017 11:55:34 AM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

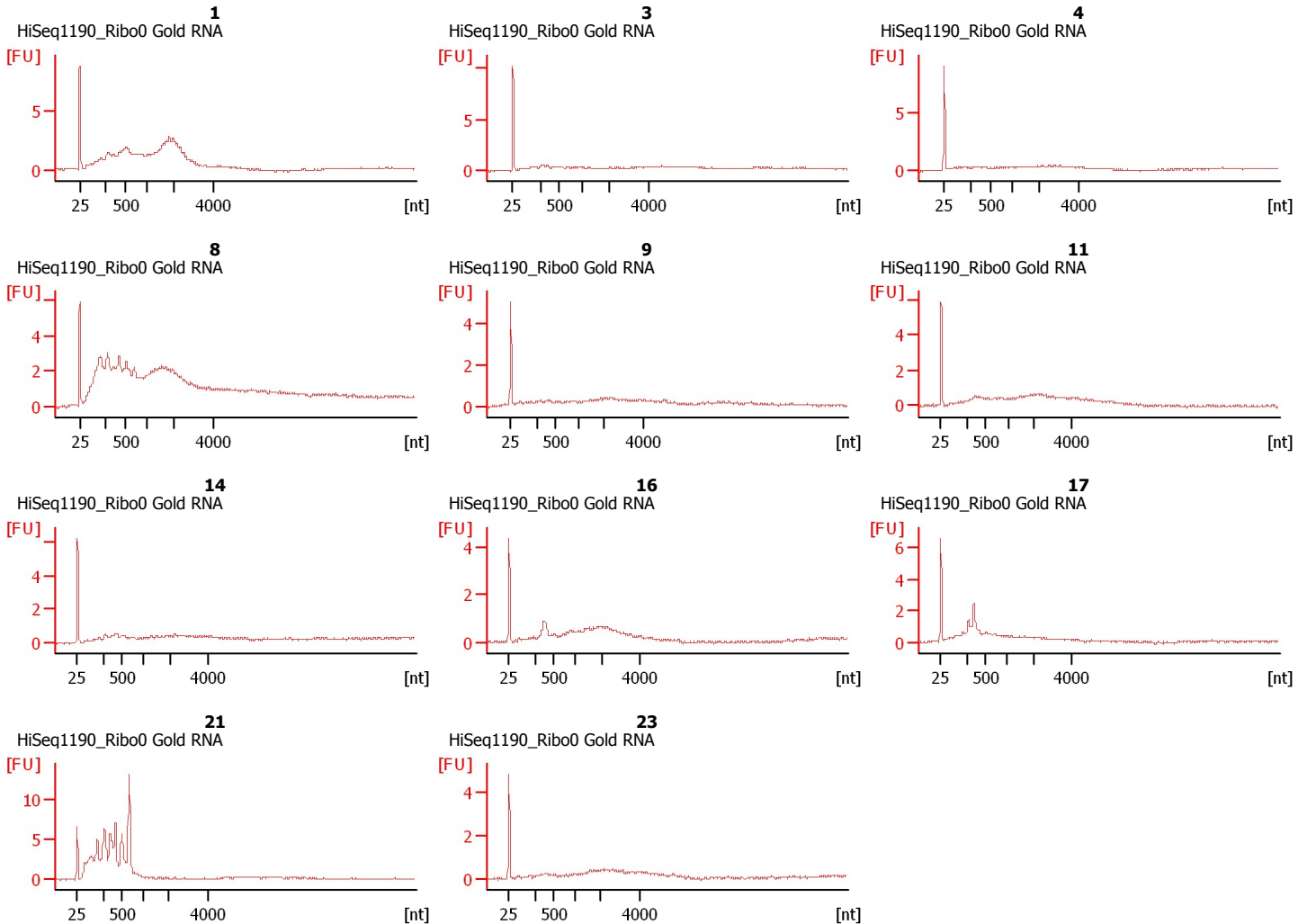
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq1190_Ribo0 Gold RNA	✓		
3	HiSeq1190_Ribo0 Gold RNA	✓		
4	HiSeq1190_Ribo0 Gold RNA	✓		
8	HiSeq1190_Ribo0 Gold RNA	✓		
9	HiSeq1190_Ribo0 Gold RNA	✓		
11	HiSeq1190_Ribo0 Gold RNA	✓		
14	HiSeq1190_Ribo0 Gold RNA	✓		
16	HiSeq1190_Ribo0 Gold RNA	✓		
17	HiSeq1190_Ribo0 Gold RNA	✓		
21	HiSeq1190_Ribo0 Gold RNA	✓		
23	HiSeq1190_Ribo0 Gold RNA	✓		
Ladder		✓		

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

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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

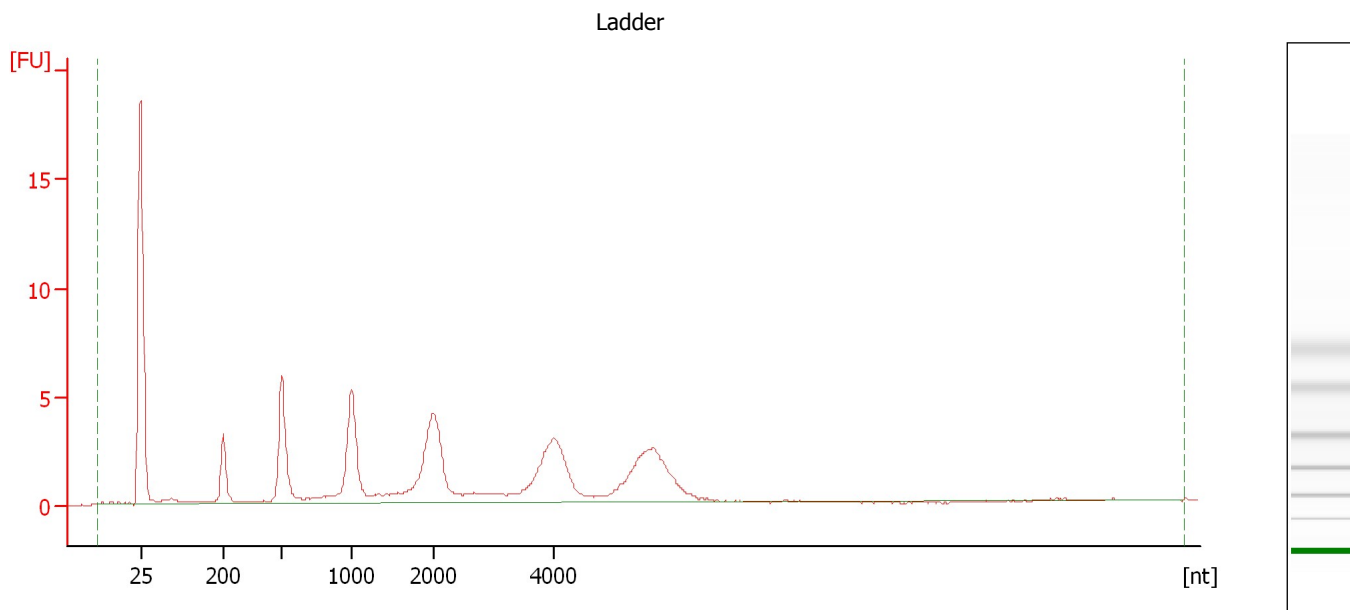
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

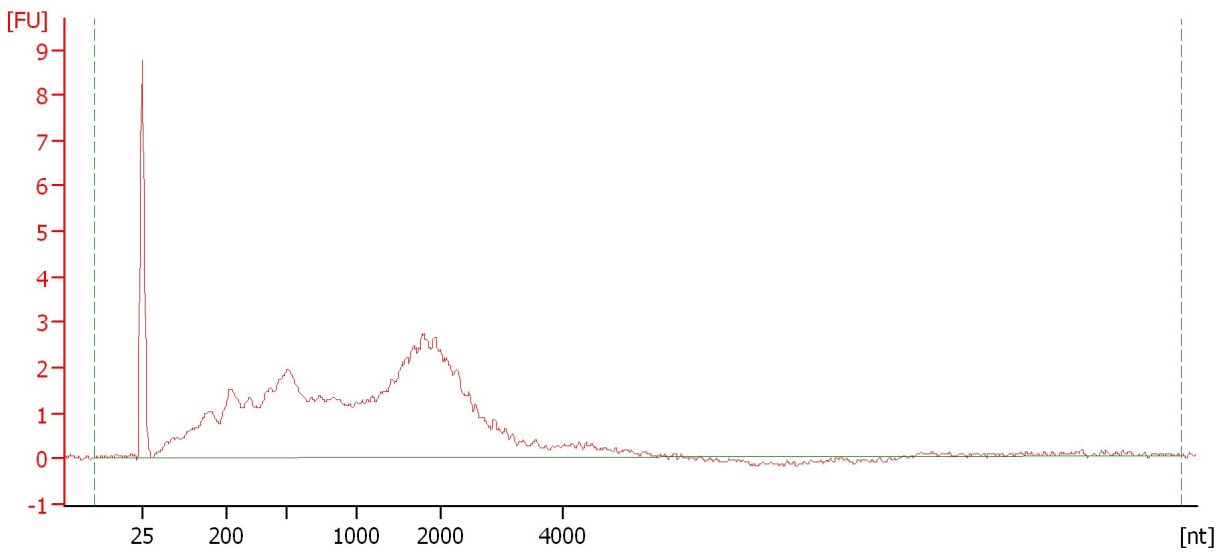
RNA Area: 88.9 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

1 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 1 : 1

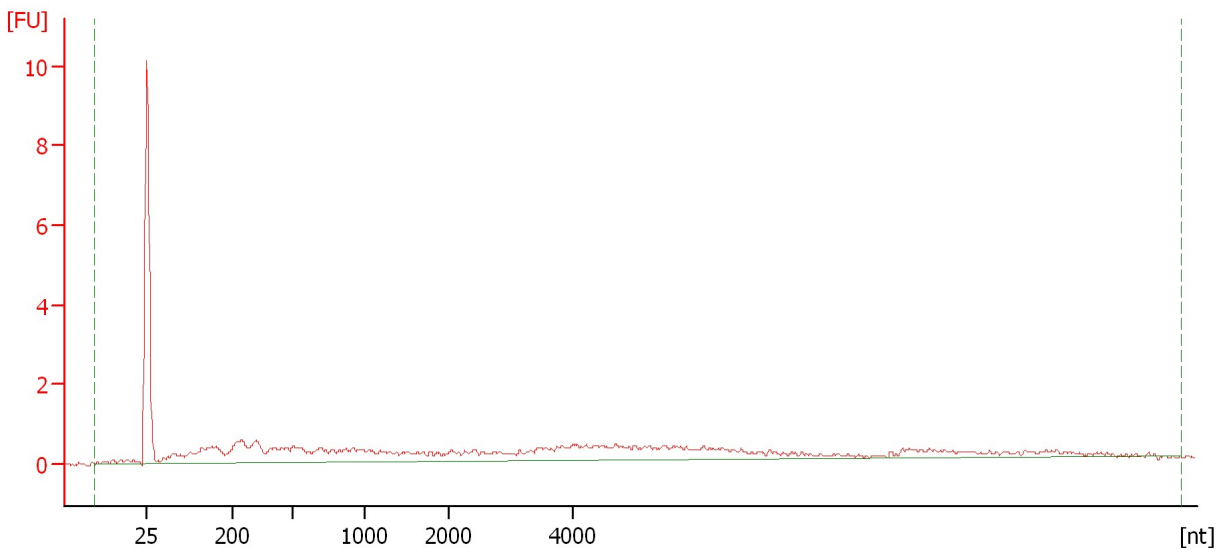
RNA Area: 98.3 rRNA Contamination: 0.0 %
RNA Concentration: 1,105 pg/μl

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Electropherogram Summary Continued ...

3 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 2 : 3

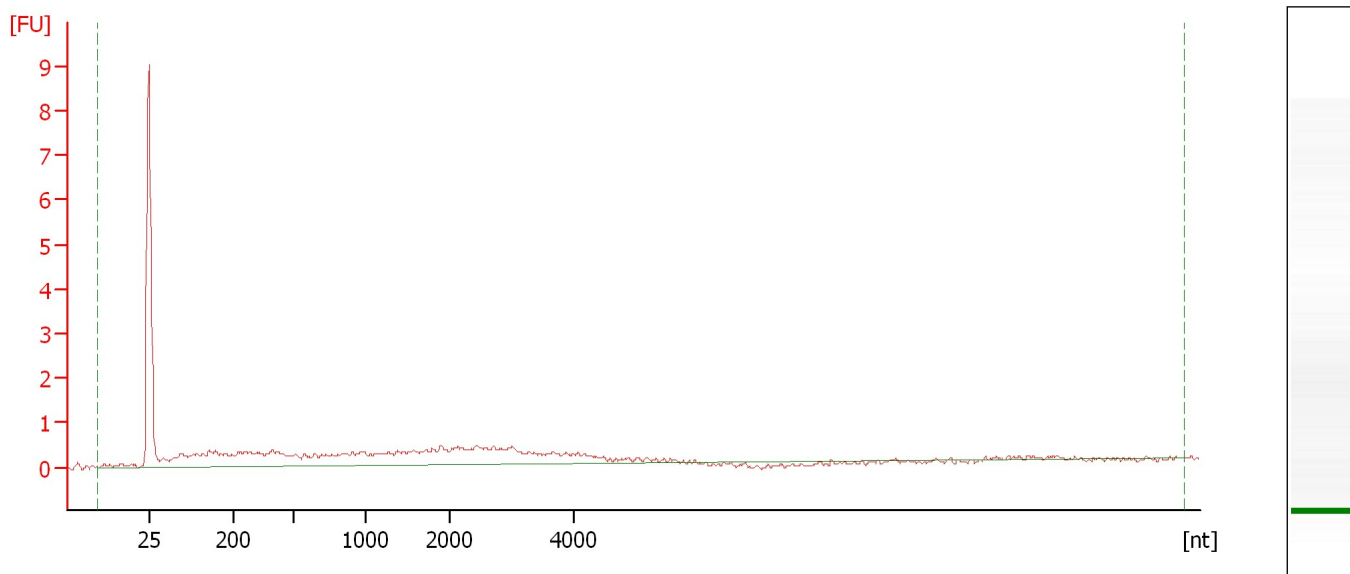
RNA Area:	37.3	rRNA Contamination:	0.0 %
RNA Concentration:	420 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

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Electropherogram Summary Continued ...

4 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 3 : 4

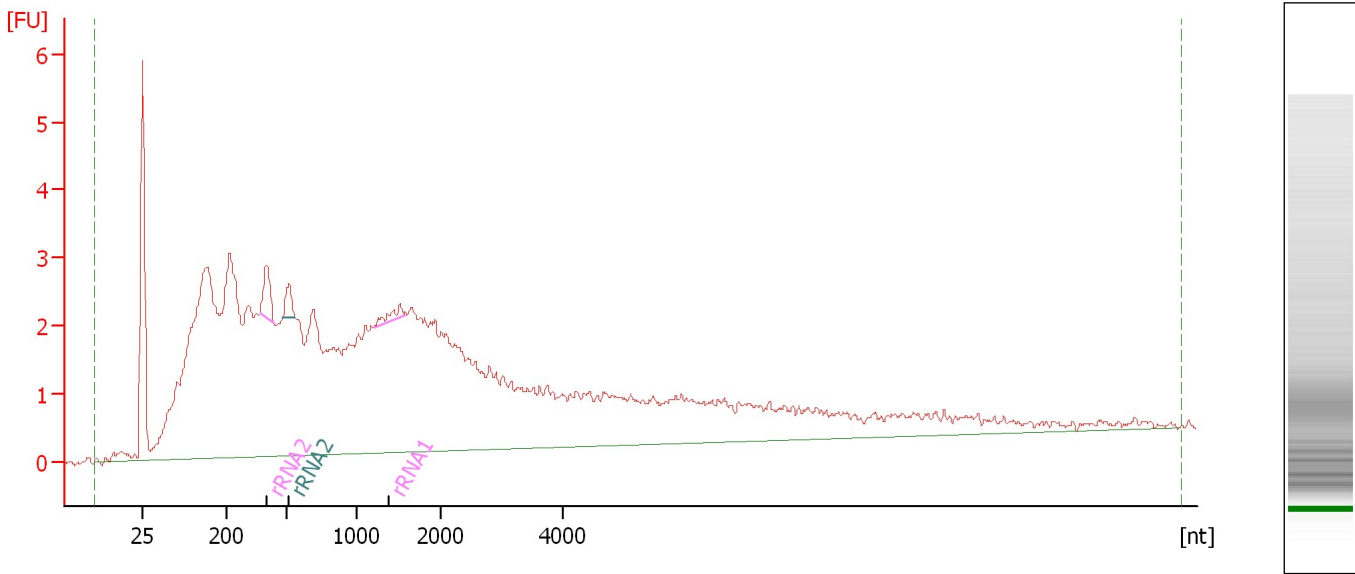
RNA Area:	24.3	rRNA Contamination:	0.0 %
RNA Concentration:	274 pg/μl		

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

8 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 4 : 8

RNA Area: 168.4 rRNA Contamination: 1.6 %
RNA Concentration: 1,894 pg/μl

Fragment table for sample 4 : 8

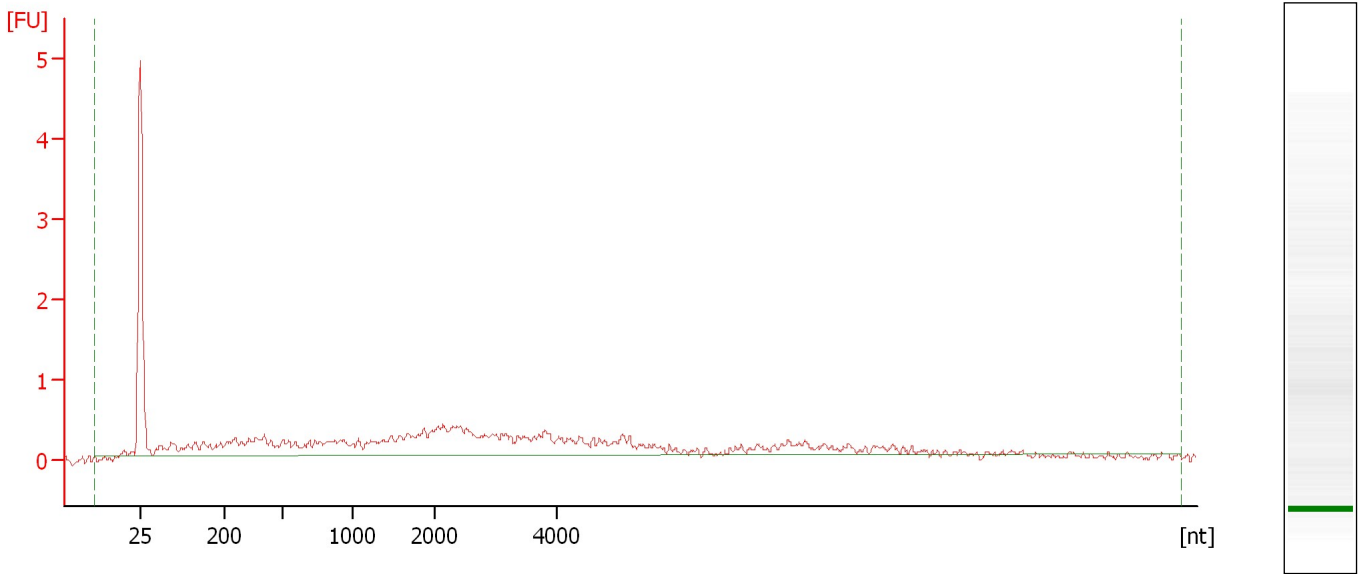
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	367	439	1.4	0.9
rRNA2	484	568	0.8	0.5
rRNA1	1,207	1,570	0.5	0.3

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Electropherogram Summary Continued ...

9 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 5 : 9

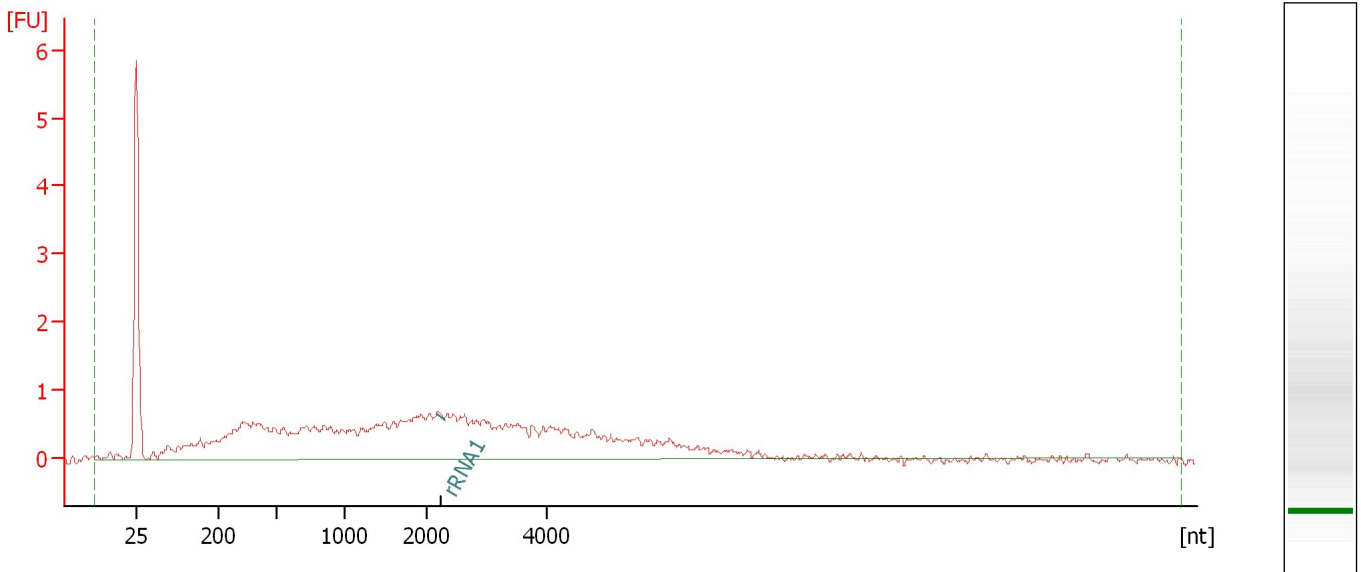
RNA Area:	19.7	rRNA Contamination:	0.0 %
RNA Concentration:	222 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

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Electropherogram Summary Continued ...

11 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 6 : 11

RNA Area: 40.4 rRNA Contamination: 0.1 %
RNA Concentration: 455 pg/μl

Fragment table for sample 6 : 11

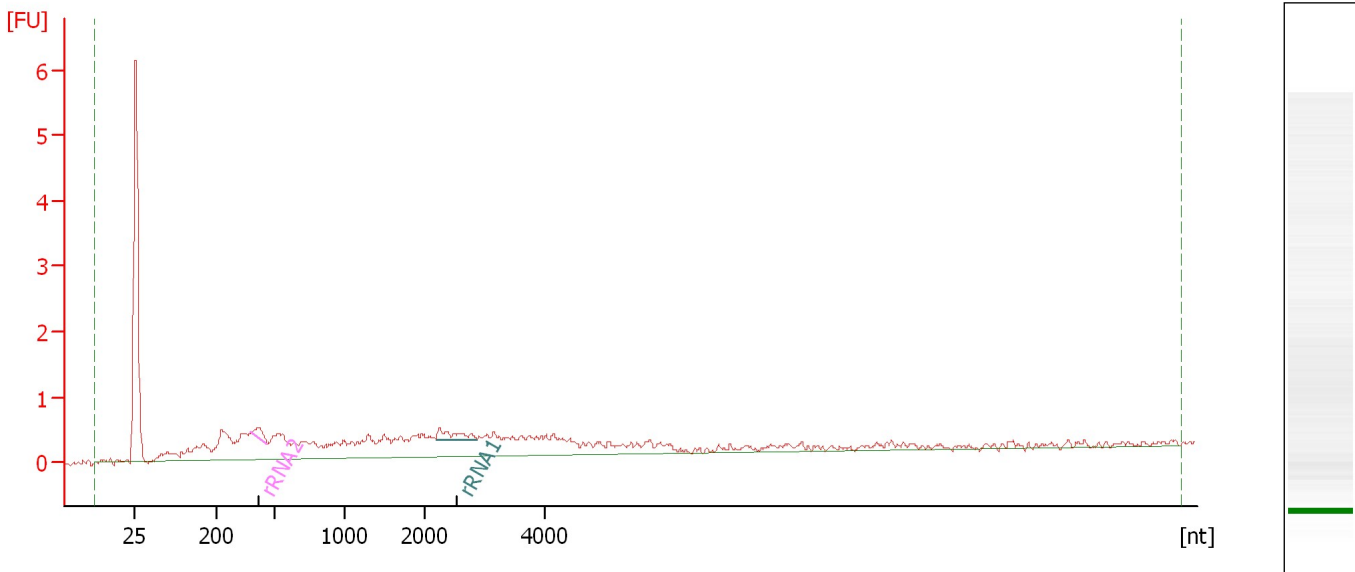
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	2,159	2,292	0.0	0.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

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Electropherogram Summary Continued ...

14 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 7 : 14

RNA Area: 27.1 rRNA Contamination: 3.2 %
RNA Concentration: 305 pg/μl

Fragment table for sample 7 : 14

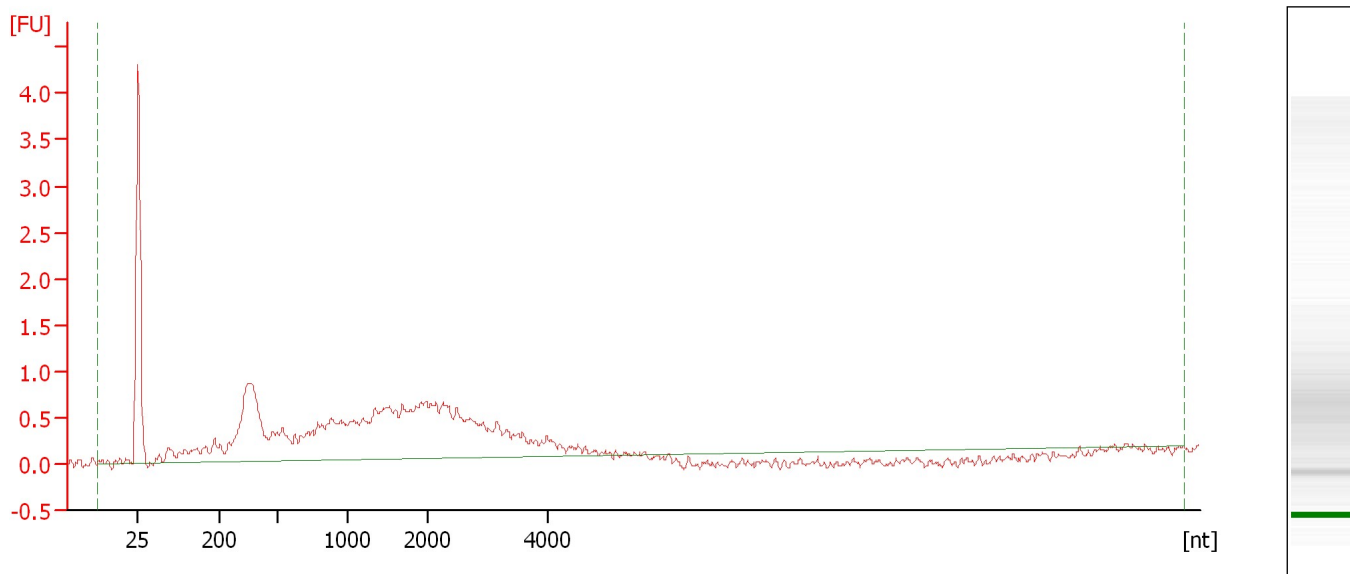
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	373	456	0.4	1.3
rRNA1	2,172	2,867	0.5	1.8

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

16 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 8 : 16

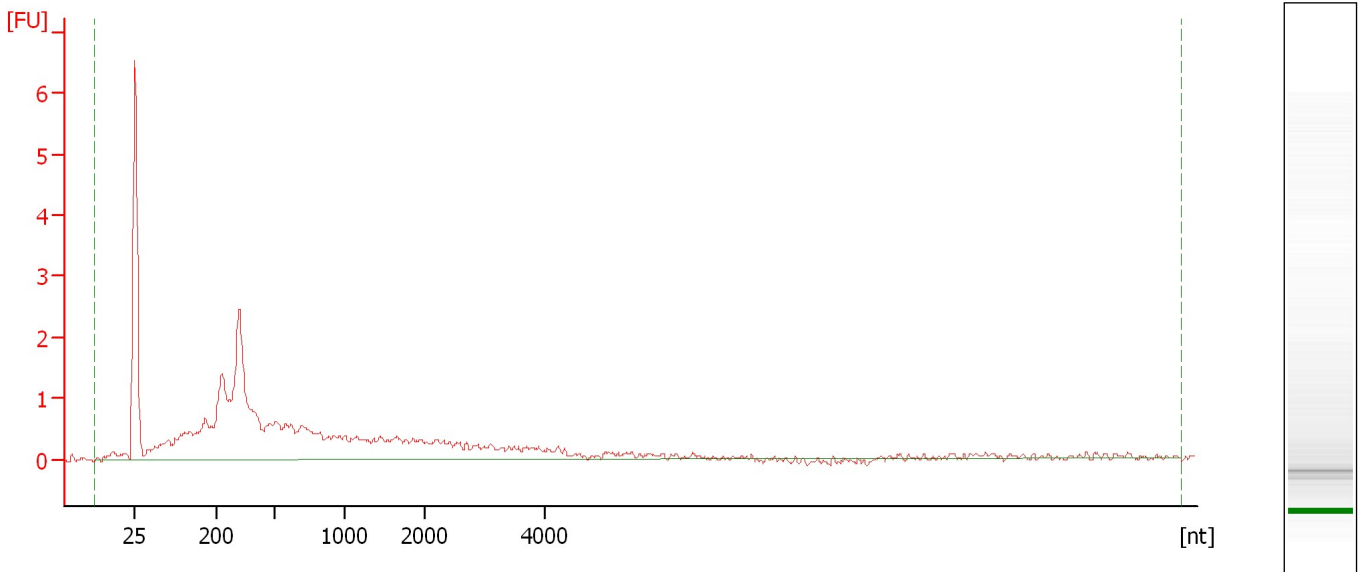
RNA Area:	26.9	rRNA Contamination:	0.0 %
RNA Concentration:	303 pg/μl		

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

17 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 9 : 17

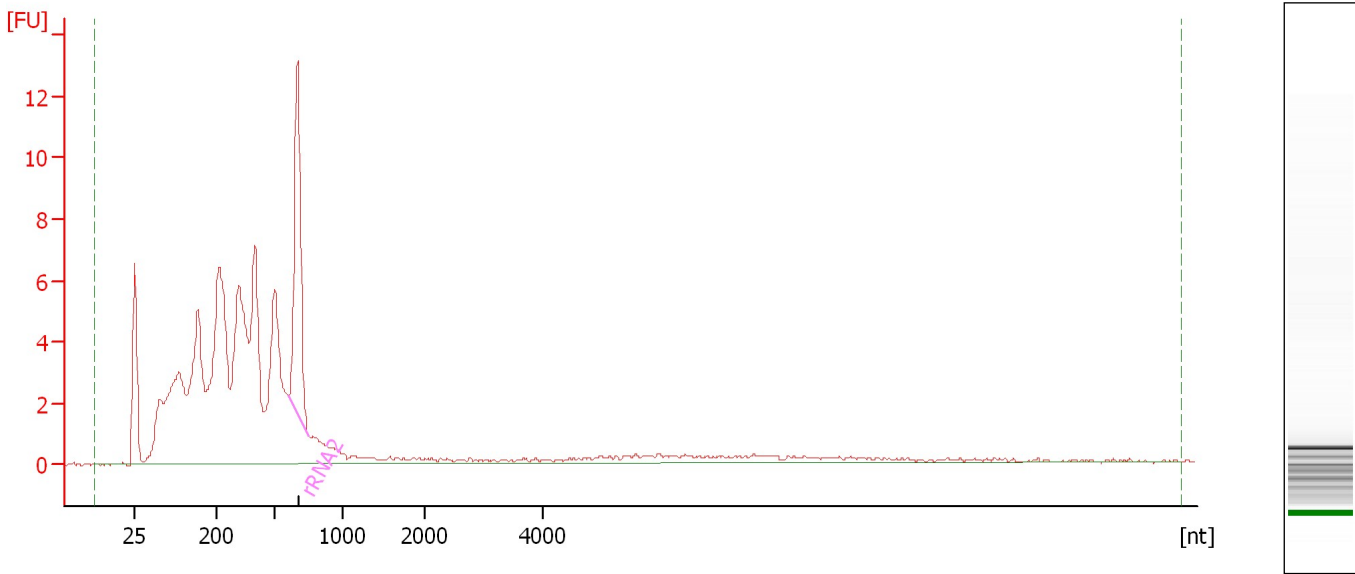
RNA Area:	42.4	rRNA Contamination:	0.0 %
RNA Concentration:	477 pg/μl		

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

21 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 10 : 21

RNA Area: 165.4 rRNA Contamination: 11.0 %
RNA Concentration: 1,860 pg/μl

Fragment table for sample 10 : 21

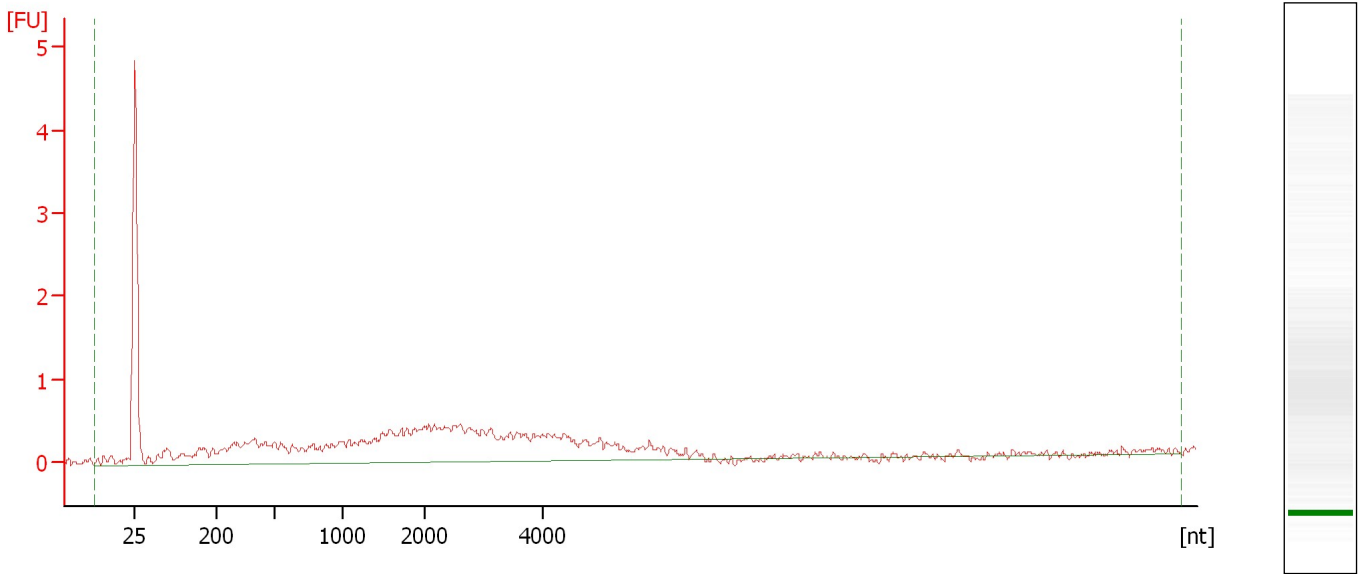
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	603	755	18.3	11.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

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Electropherogram Summary Continued ...

23 [HiSeq1190_Ribo0 Gold RNA]



Overall Results for sample 11 : 23

RNA Area:	24.0	rRNA Contamination:	0.0 %
RNA Concentration:	270 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-08\2017-12-08_001.xad

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Gel Image