

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

Created: 10/14/2017 5:03:18 PM
Modified: 10/14/2017 5:29:13 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

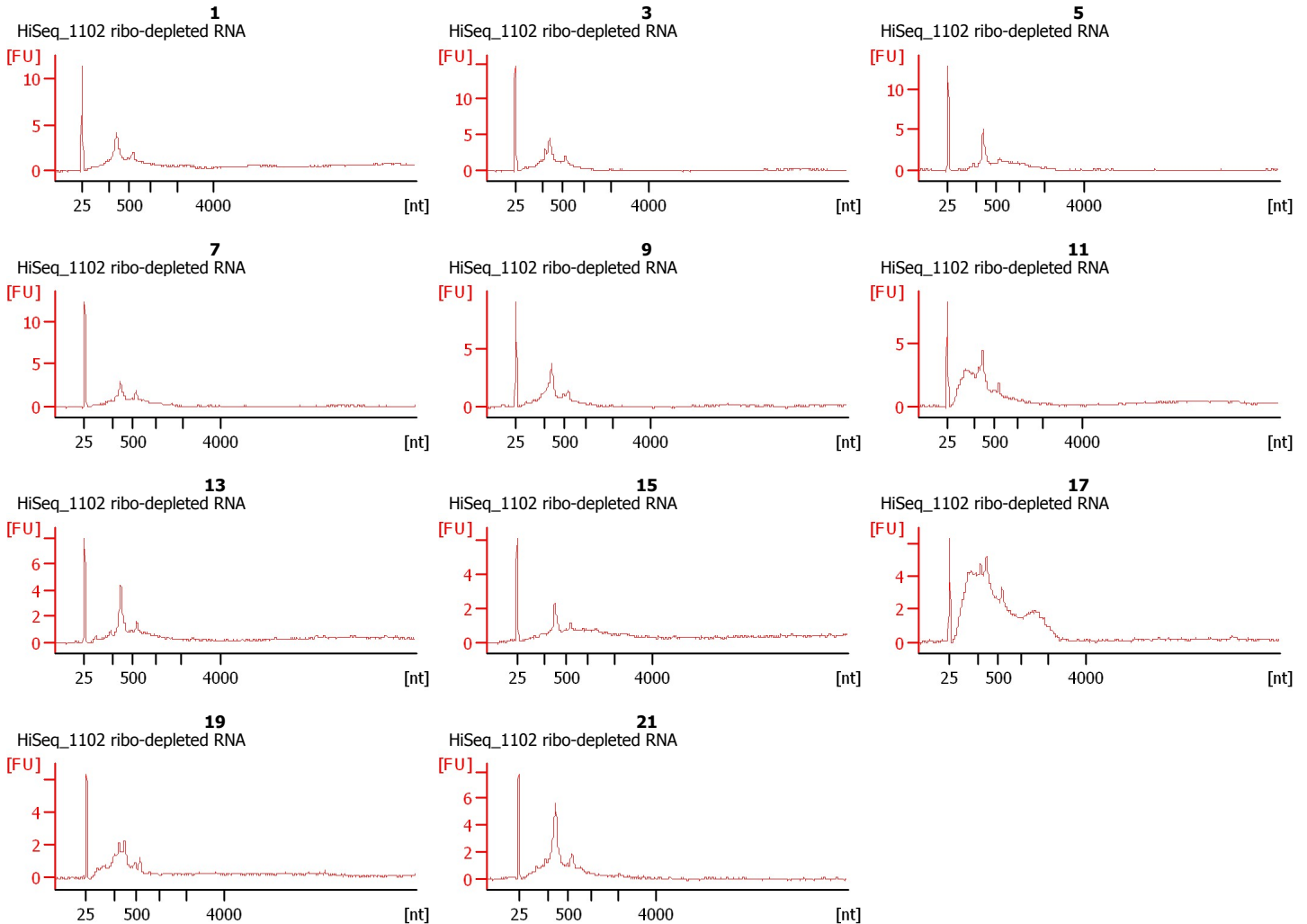
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq_1102 ribo-depleted RNA	✓		
3	HiSeq_1102 ribo-depleted RNA	✓		
5	HiSeq_1102 ribo-depleted RNA	✓		
7	HiSeq_1102 ribo-depleted RNA	✓		
9	HiSeq_1102 ribo-depleted RNA	✓		
11	HiSeq_1102 ribo-depleted RNA	✓		
13	HiSeq_1102 ribo-depleted RNA	✓		
15	HiSeq_1102 ribo-depleted RNA	✓		
17	HiSeq_1102 ribo-depleted RNA	✓		
19	HiSeq_1102 ribo-depleted RNA	✓		
21	HiSeq_1102 ribo-depleted 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

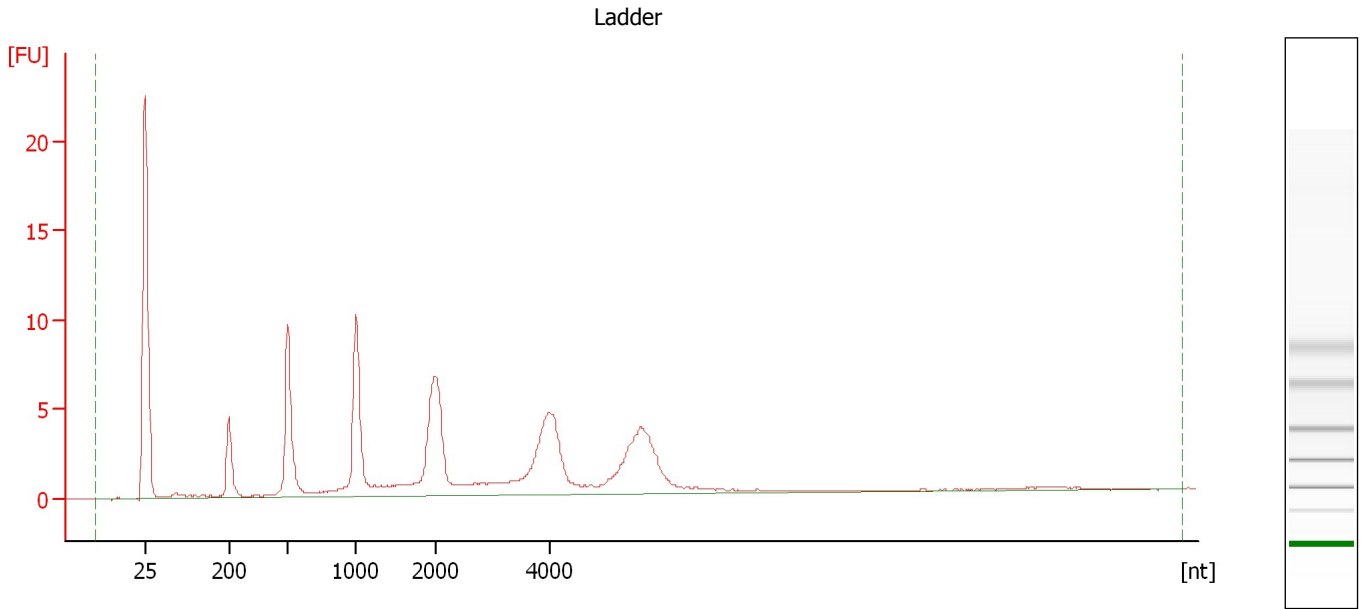
Ladder

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

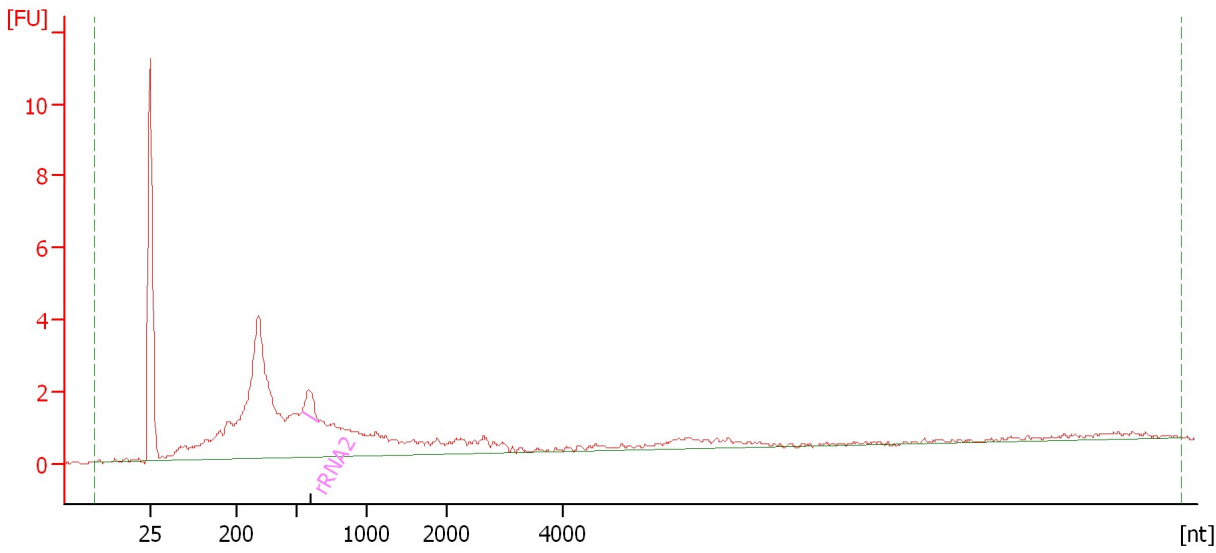
RNA Area: 116.3 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

1 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 1 : 1

RNA Area: 67.0 rRNA Contamination: 2.1 %
RNA Concentration: 576 pg/μl

Fragment table for sample 1 : 1

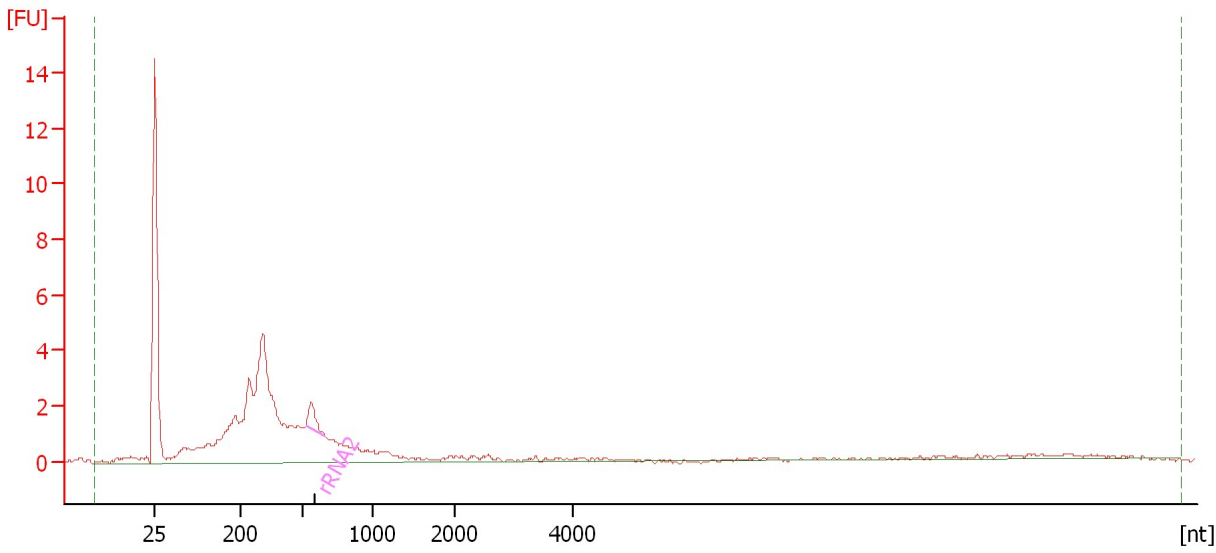
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	541	666	1.4	2.1

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Electropherogram Summary Continued ...

3 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 2 : 3

RNA Area: 68.5 rRNA Contamination: 2.5 %
RNA Concentration: 589 pg/μl

Fragment table for sample 2 : 3

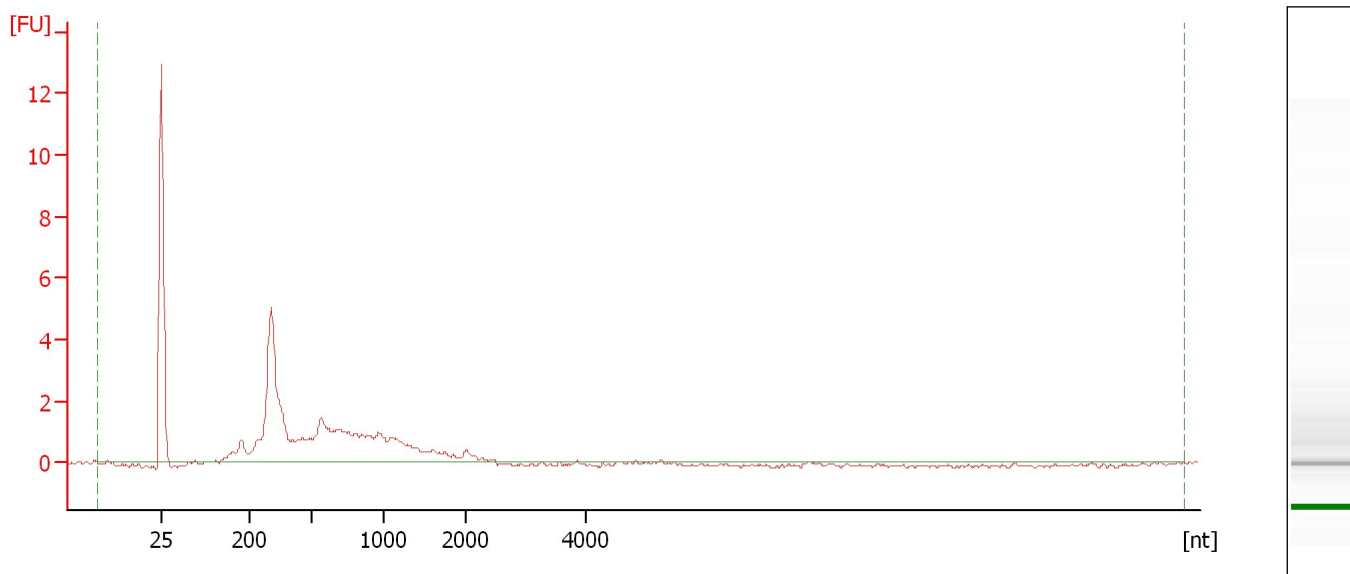
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	527	662	1.7	2.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

5 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 3 : 5

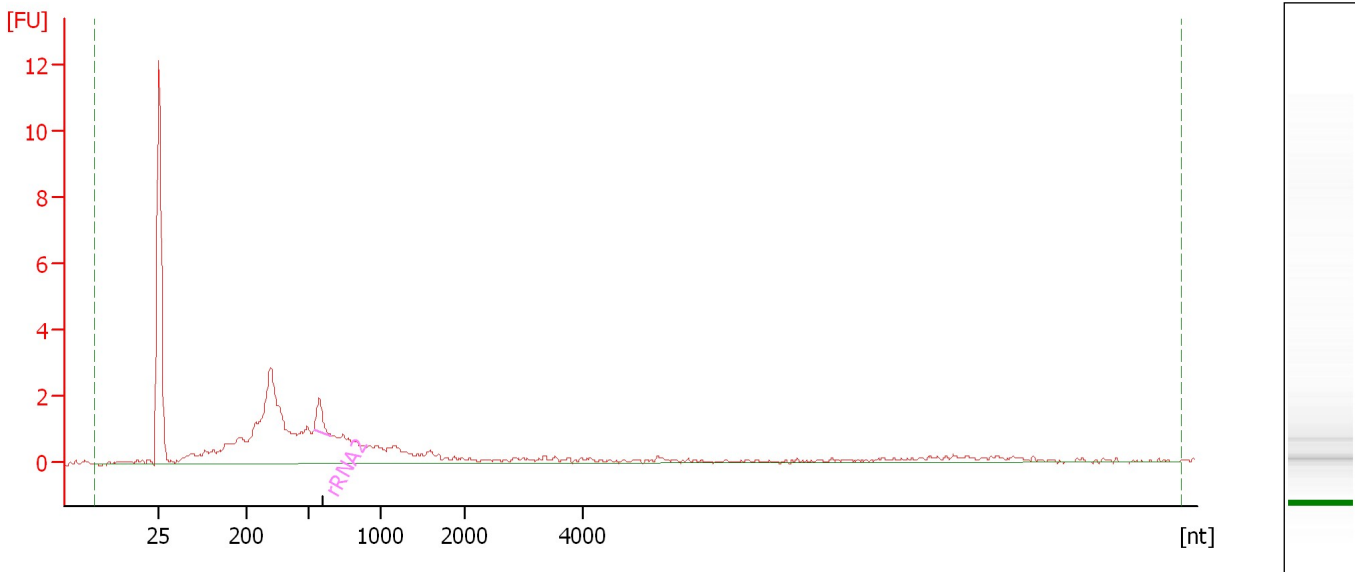
RNA Area: 43.7 rRNA Contamination: 0.0 %
RNA Concentration: 376 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

7 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 4 : 7

RNA Area: 48.2 rRNA Contamination: 2.9 %
RNA Concentration: 415 pg/μl

Fragment table for sample 4 : 7

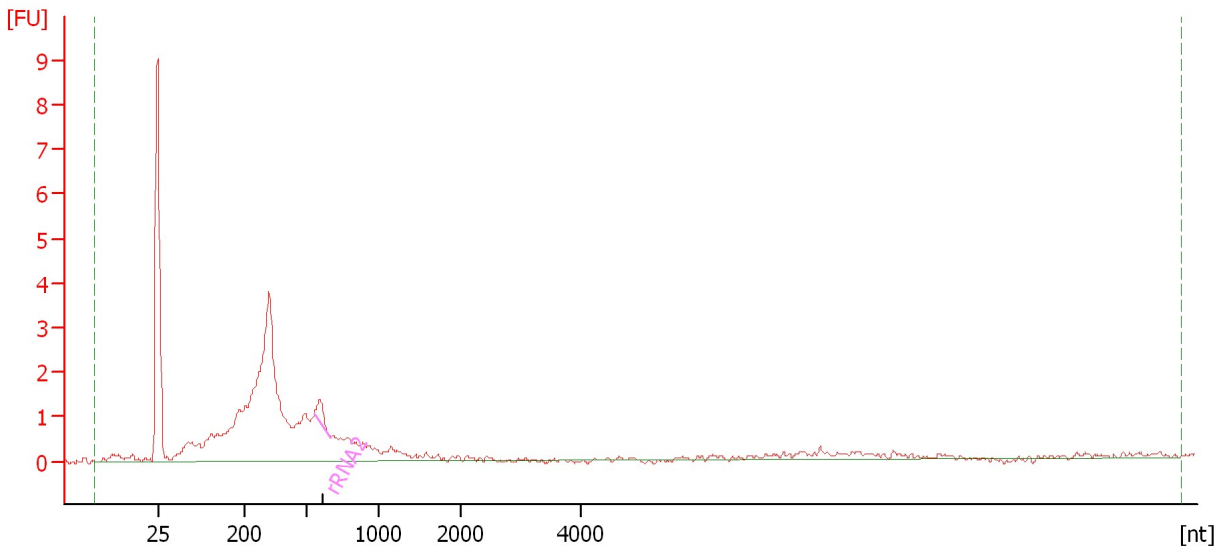
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	533	655	1.4	2.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

9 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 5 : 9

RNA Area: 47.2 rRNA Contamination: 1.5 %
RNA Concentration: 406 pg/μl

Fragment table for sample 5 : 9

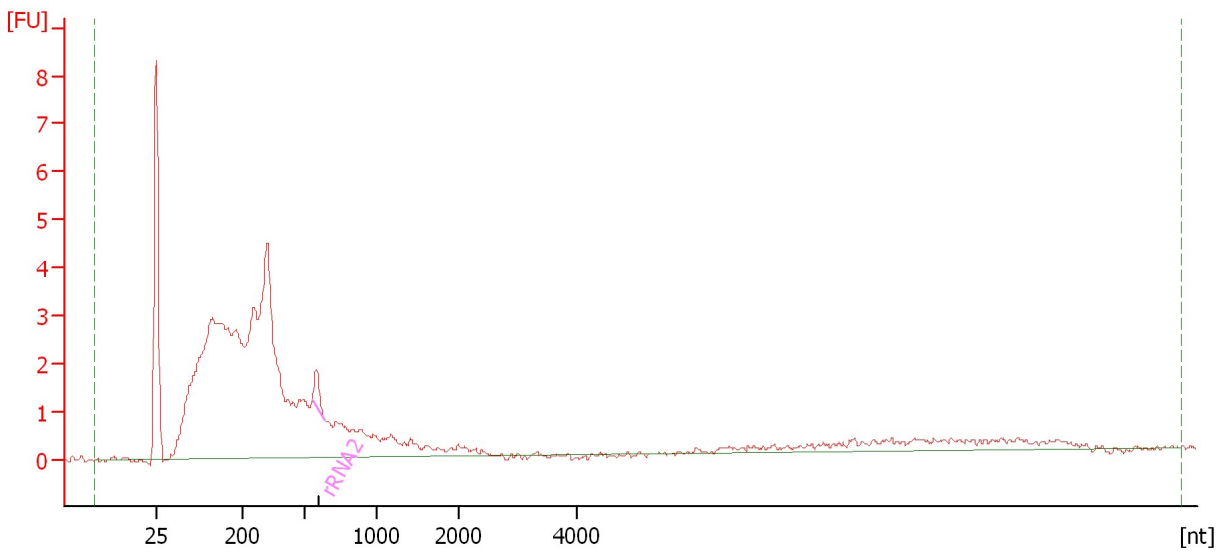
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	555	667	0.7	1.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

11 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 6 : 11

RNA Area: 93.5 rRNA Contamination: 1.1 %
RNA Concentration: 804 pg/μl

Fragment table for sample 6 : 11

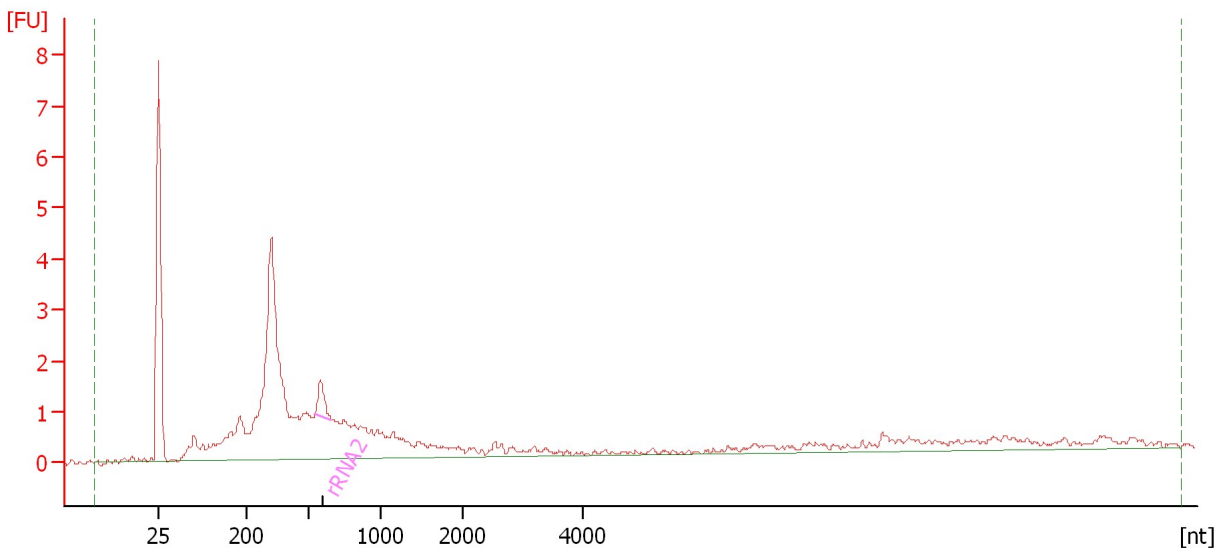
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	555	639	1.0	1.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

13 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 7 : 13

RNA Area: 52.8 rRNA Contamination: 1.9 %
RNA Concentration: 454 pg/μl

Fragment table for sample 7 : 13

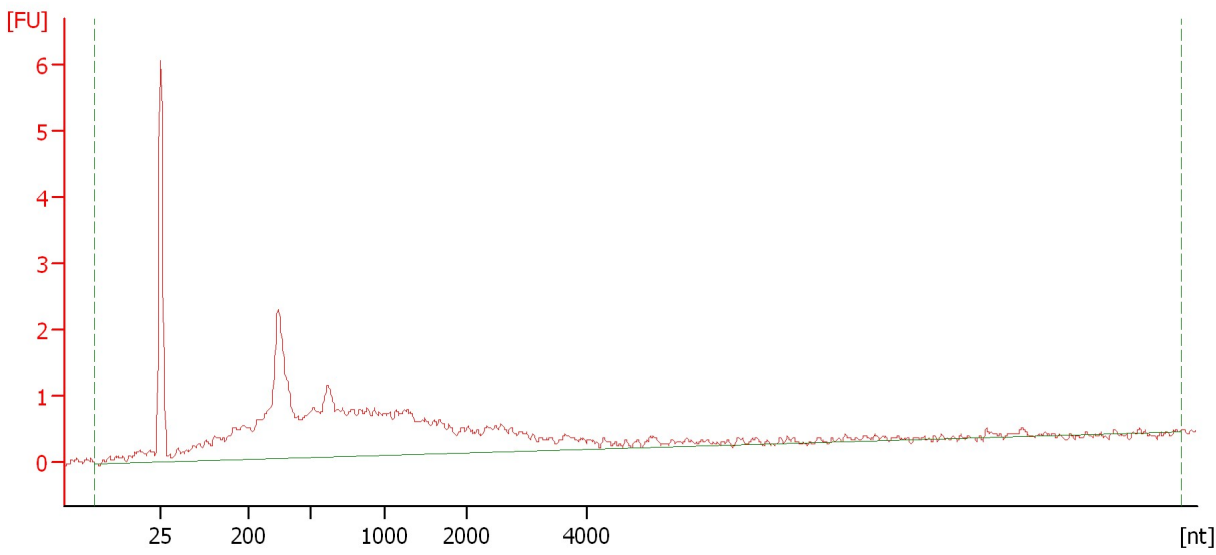
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	552	664	1.0	1.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

15 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 8 : 15

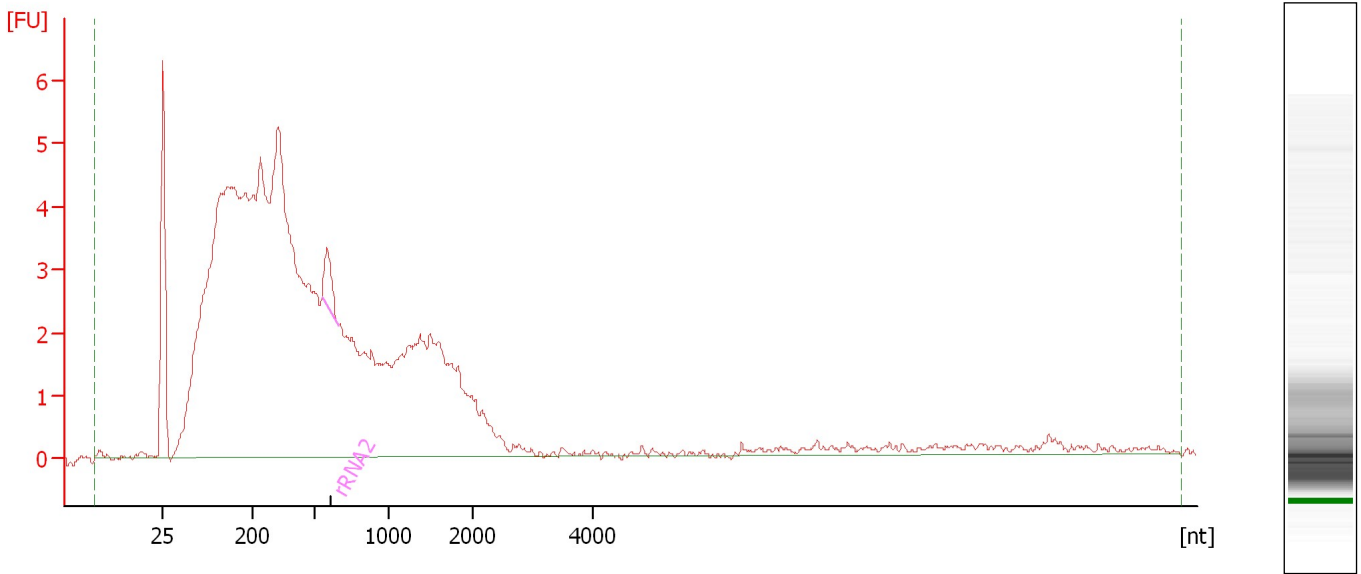
RNA Area: 44.3 rRNA Contamination: 0.0 %
RNA Concentration: 380 pg/μl

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

17 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 9 : 17

RNA Area: 173.9 rRNA Contamination: 0.9 %
RNA Concentration: 1,495 pg/μl

Fragment table for sample 9 : 17

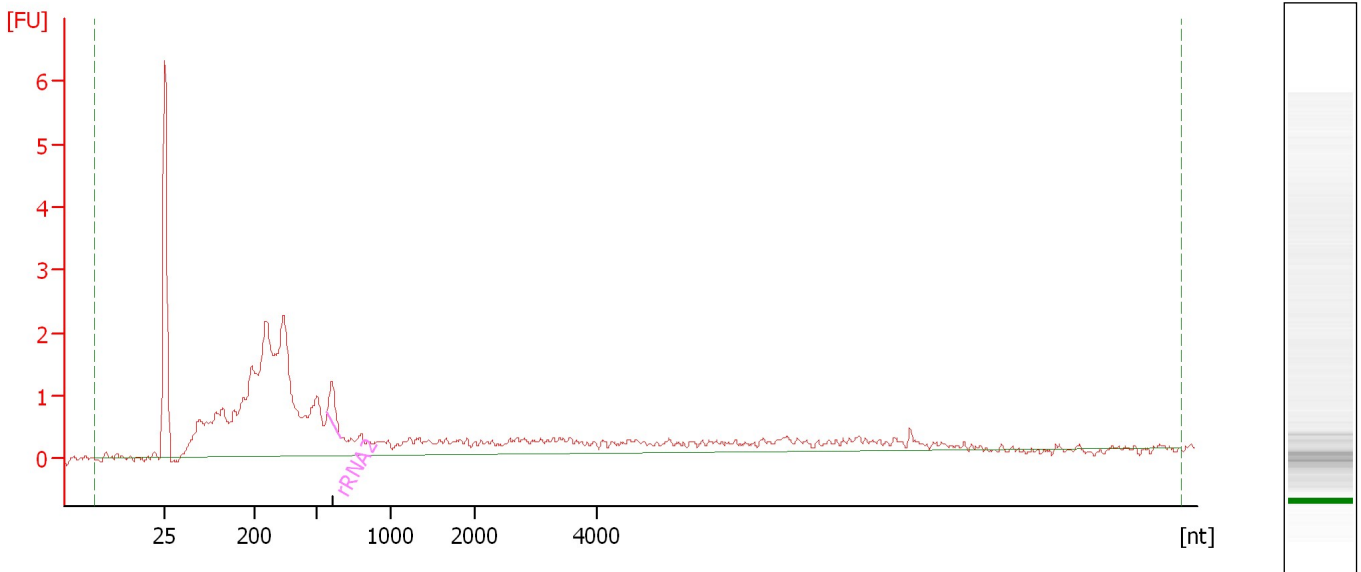
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	547	657	1.6	0.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

19 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 10 : 19

RNA Area: 48.7 rRNA Contamination: 1.7 %
RNA Concentration: 418 pg/μl

Fragment table for sample 10 : 19

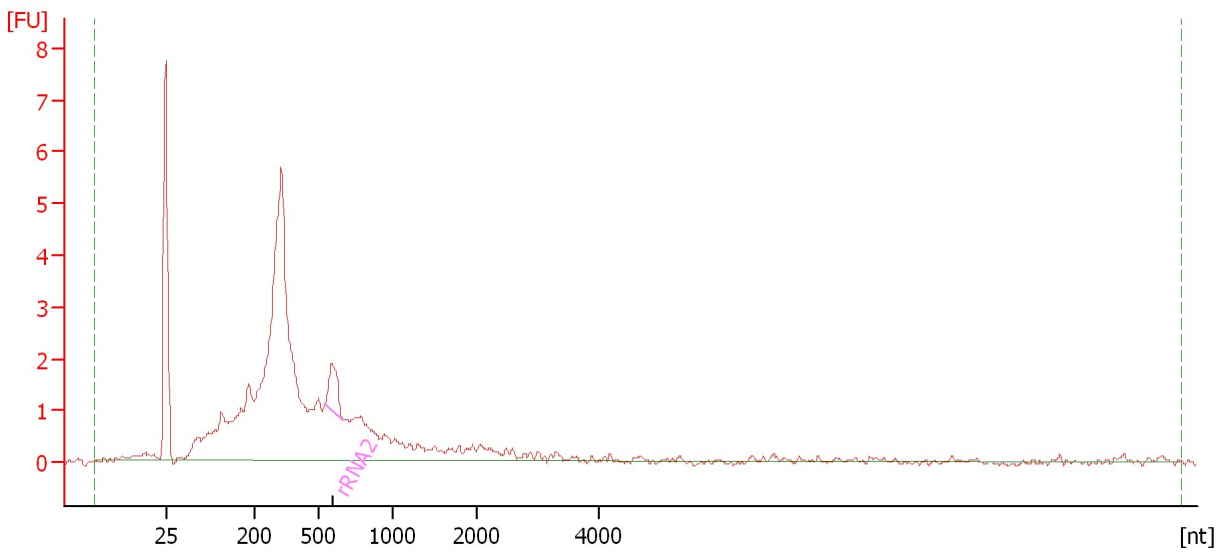
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	569	662	0.8	1.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-14\2017-10-14_001.xad

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Electropherogram Summary Continued ...

21 [HiSeq_1102 ribo-depleted RNA]



Overall Results for sample 11 : 21

RNA Area: 65.7 rRNA Contamination: 2.7 %
RNA Concentration: 565 pg/μl

Fragment table for sample 11 : 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	545	664	1.8	2.7

Assay Class: mRNA Pico
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