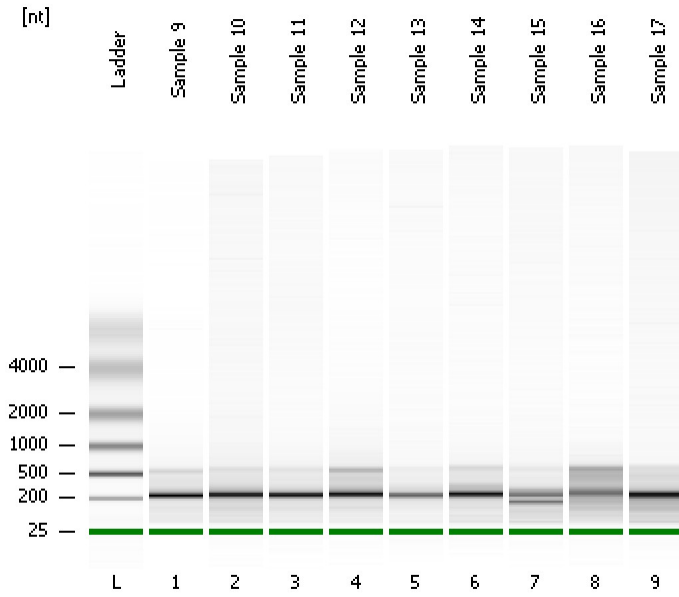


Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 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

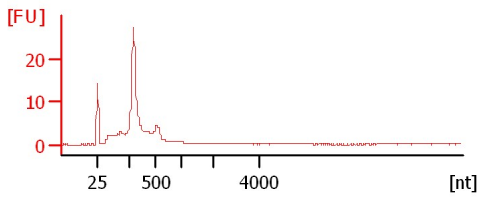
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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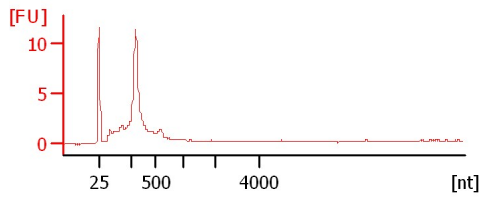
Chip Information:

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

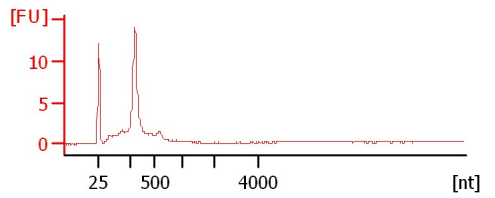
Sample 9



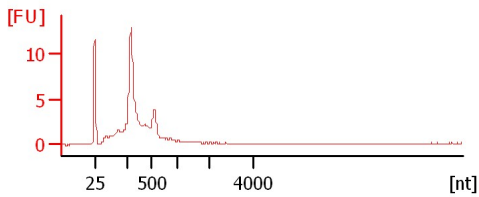
Sample 10



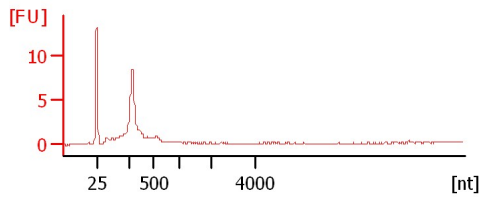
Sample 11



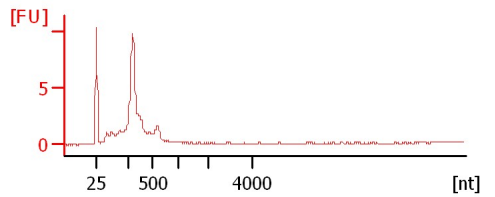
Sample 12



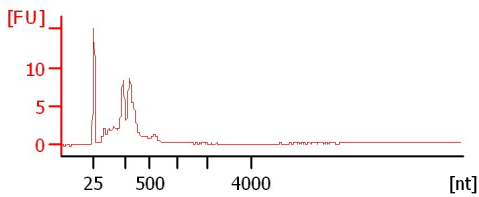
Sample 13



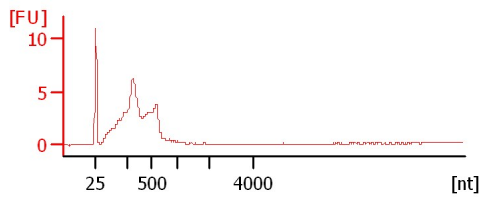
Sample 14



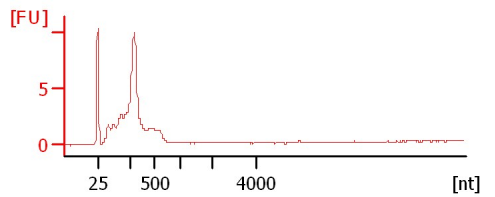
Sample 15



Sample 16



Sample 17



Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 9		✓		
Sample 10		✓		
Sample 11		✓		
Sample 12		✓		
Sample 13		✓		
Sample 14		✓		
Sample 15		✓		
Sample 16		✓		
Sample 17		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 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/ 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

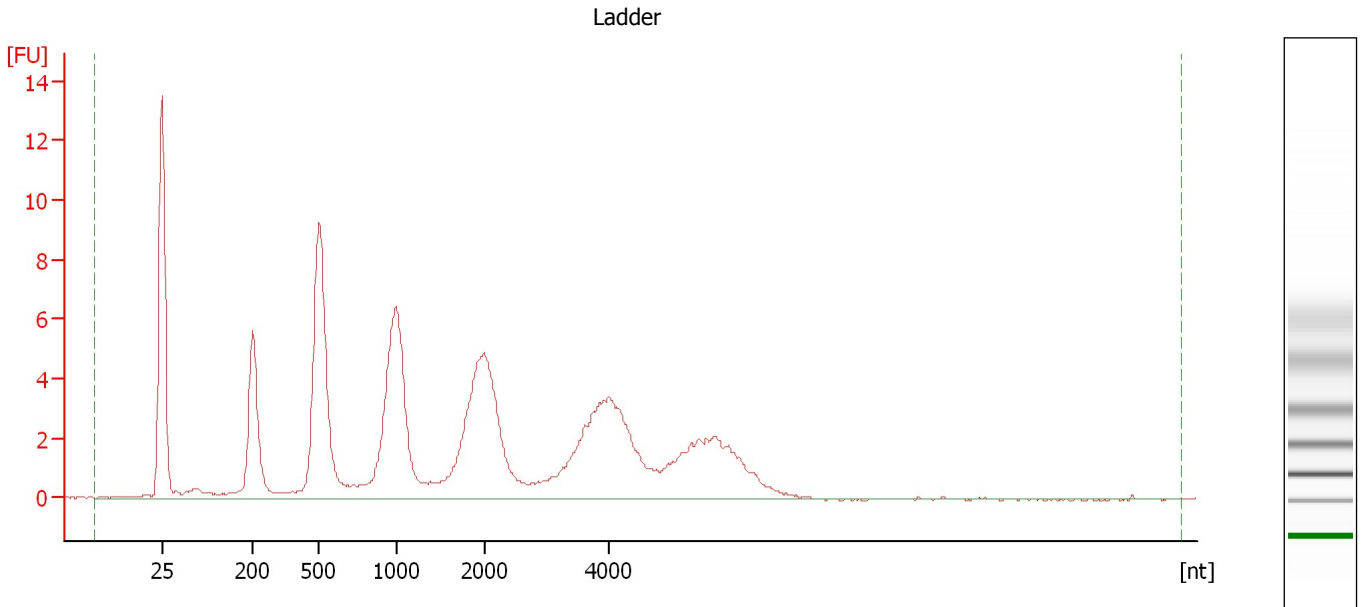
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary



Overall Results for Ladder

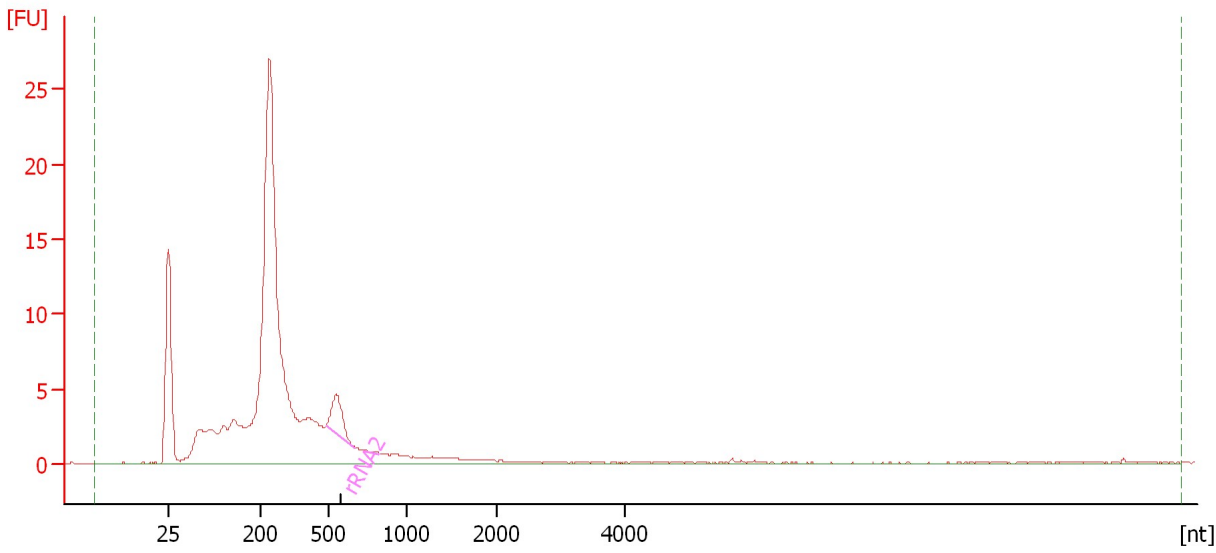
RNA Area: 157.5 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
 Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
 Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 1 : Sample 9

RNA Area: 194.9 rRNA Contamination: 3.2 %
 RNA Concentration: 1,237 pg/μl

Fragment table for sample 1 : Sample 9

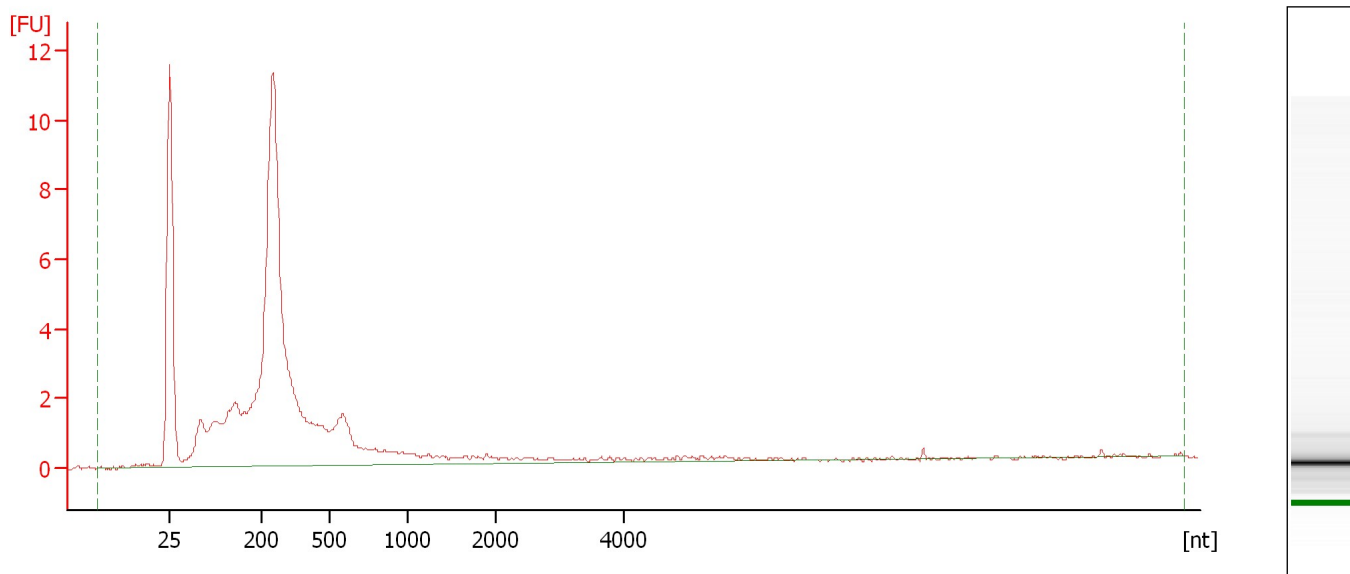
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	489	663	6.3	3.2

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 2 : Sample 10

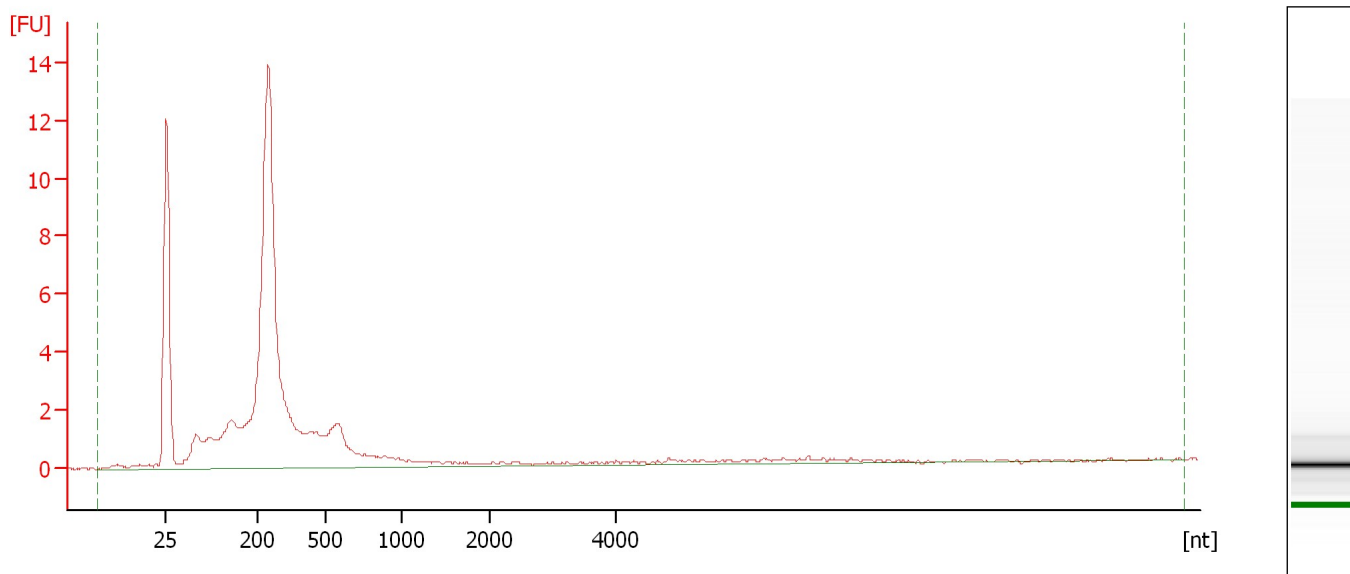
RNA Area: 99.4 rRNA Contamination: 0.0 %
RNA Concentration: 631 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 3 : Sample 11

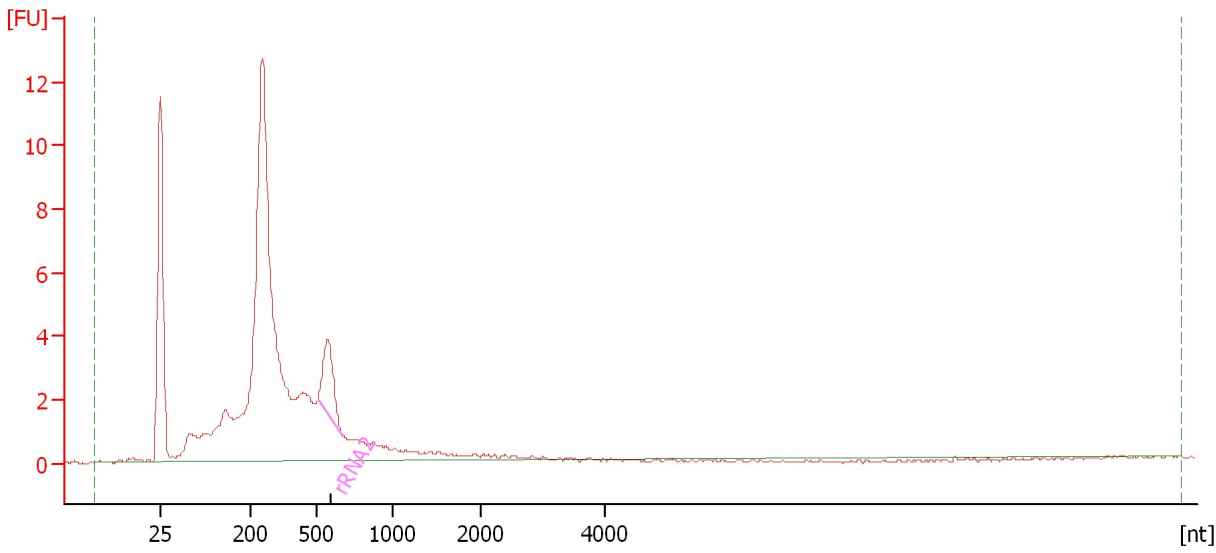
RNA Area:	102.0	rRNA Contamination:	0.0 %
RNA Concentration:	647 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 12



Overall Results for sample 4 : Sample 12

RNA Area: 109.9 rRNA Contamination: 5.3 %
RNA Concentration: 698 pg/μl

Fragment table for sample 4 : Sample 12

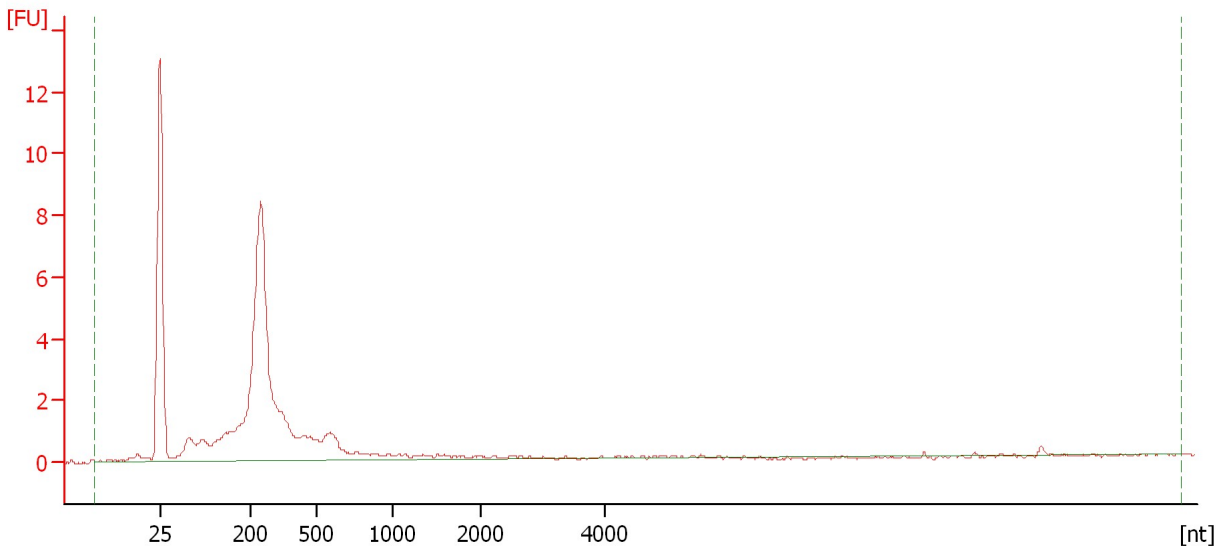
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	505	667	5.8	5.3

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 13



Overall Results for sample 5 : Sample 13

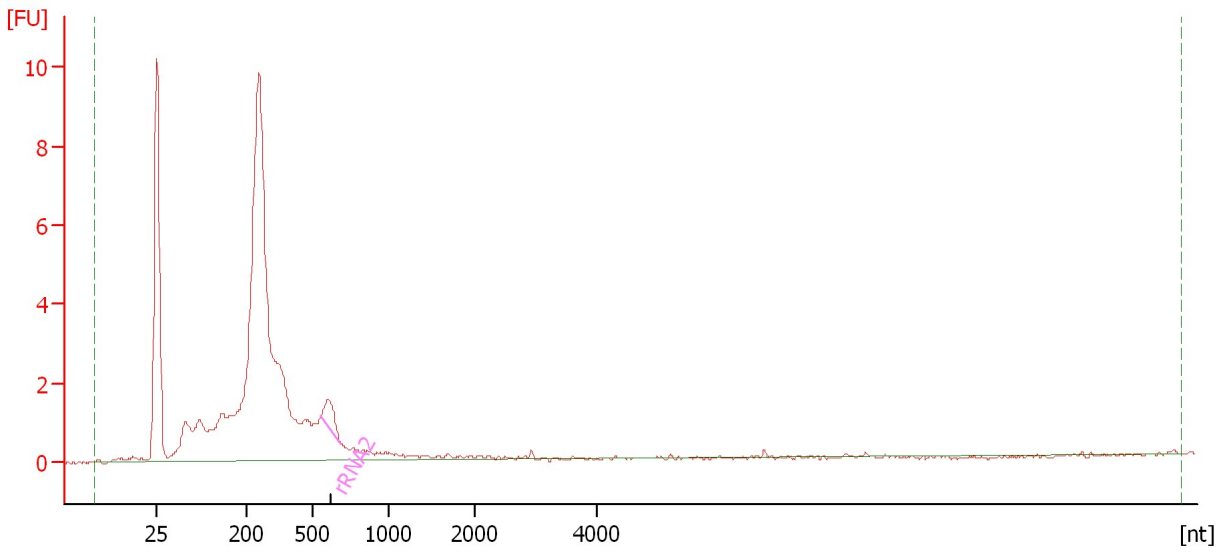
RNA Area: 60.5 rRNA Contamination: 0.0 %
RNA Concentration: 384 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 14



Overall Results for sample 6 : Sample 14

RNA Area: 79.4 rRNA Contamination: 2.0 %
RNA Concentration: 504 pg/μl

Fragment table for sample 6 : Sample 14

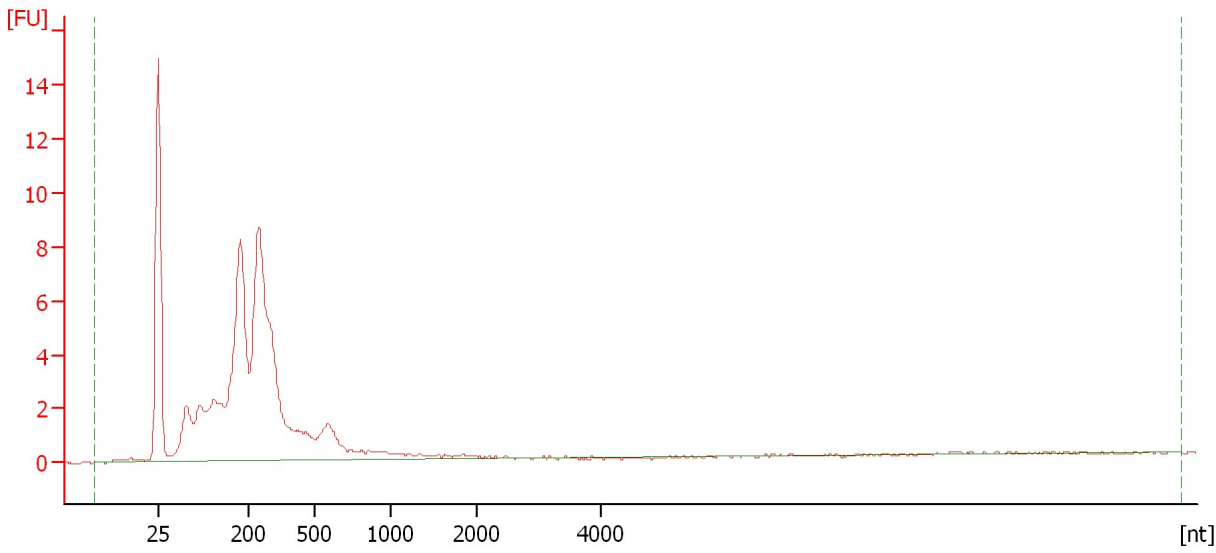
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	557	690	1.6	2.0

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 15



Overall Results for sample 7 : Sample 15

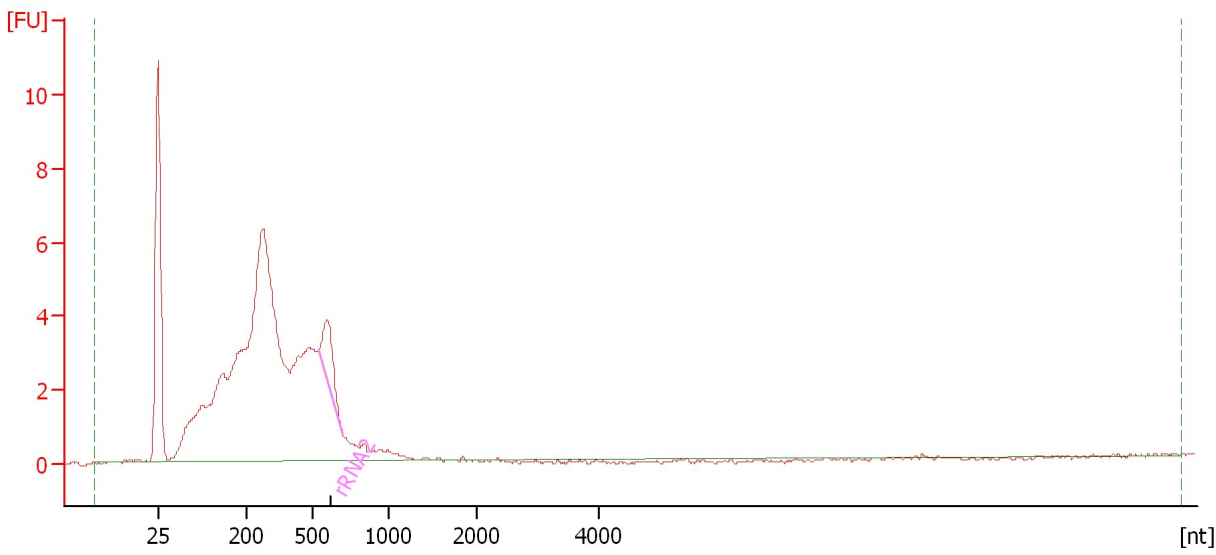
RNA Area: 114.1 rRNA Contamination: 0.0 %
RNA Concentration: 724 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 16



Overall Results for sample 8 : Sample 16

RNA Area: 109.5 rRNA Contamination: 3.3 %
RNA Concentration: 695 pg/μl

Fragment table for sample 8 : Sample 16

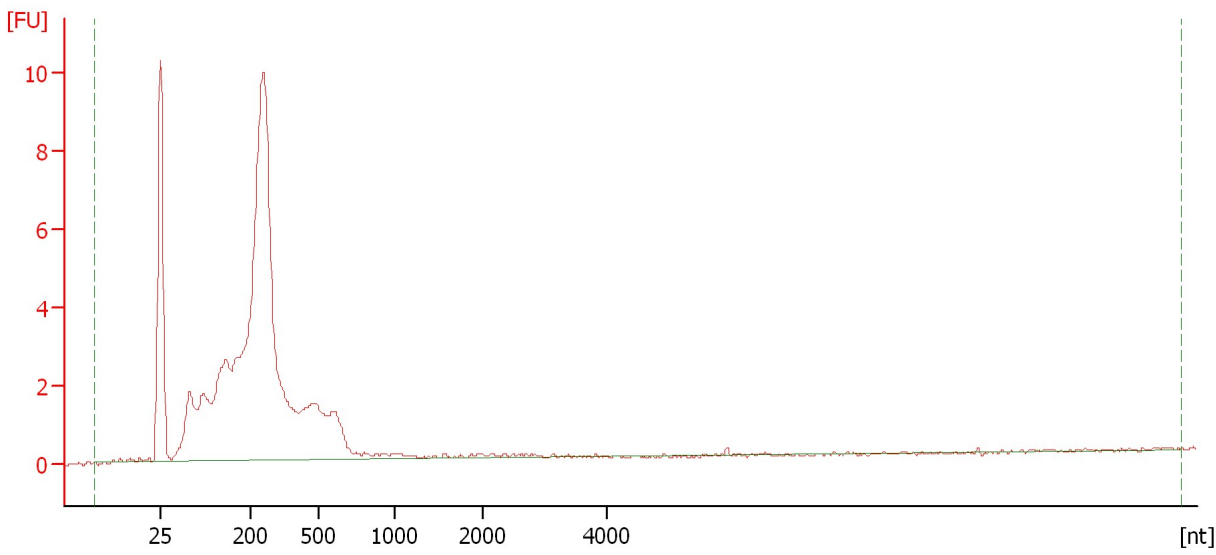
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	539	692	3.7	3.3

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Electropherogram Summary Continued ...

Sample 17



Overall Results for sample 9 : Sample 17

RNA Area: 101.1 rRNA Contamination: 0.0 %
RNA Concentration: 642 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...analyzer\2015-05-19\2015-05-19_001_HiSeq67Ribo0RNA_2of2.xad

Created: 5/19/2015 9:59:20 AM
Modified: 5/19/2015 10:36:20 AM

Gel Image

