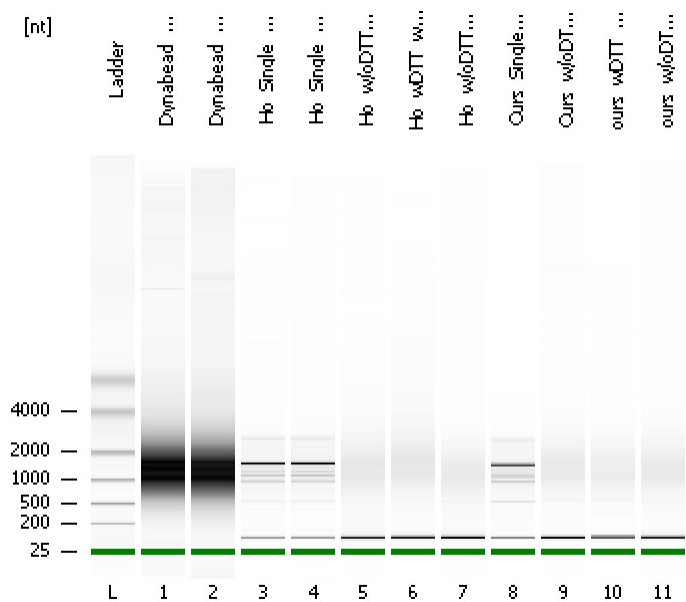


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

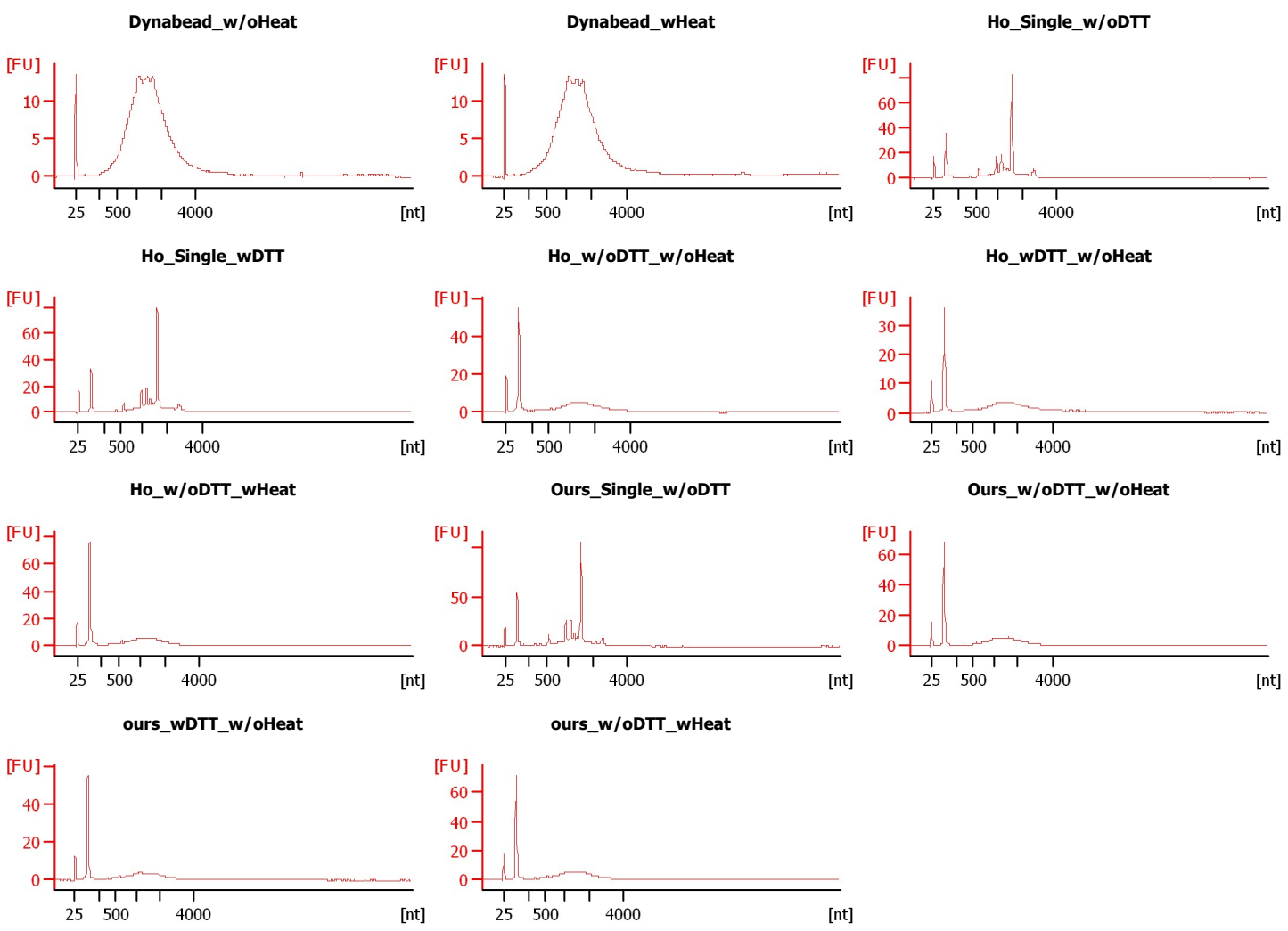
Electrophoresis File Run Summary



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:



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Dynabead_w/oHeat		✓		
Dynabead_wHeat		✓		
Ho_Single_w/oDTT		✓		
Ho_Single_wDTT		✓		
Ho_w/oDTT_w/oHeat		✓		
Ho_wDTT_w/oHeat		✓		
Ho_w/oDTT_wHeat		✓		
Ours_Single_w/oDTT		✓		
Ours_w/oDTT_w/oHeat		✓		
ours_wDTT_w/oHeat		✓		
ours_w/oDTT_wHeat		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

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

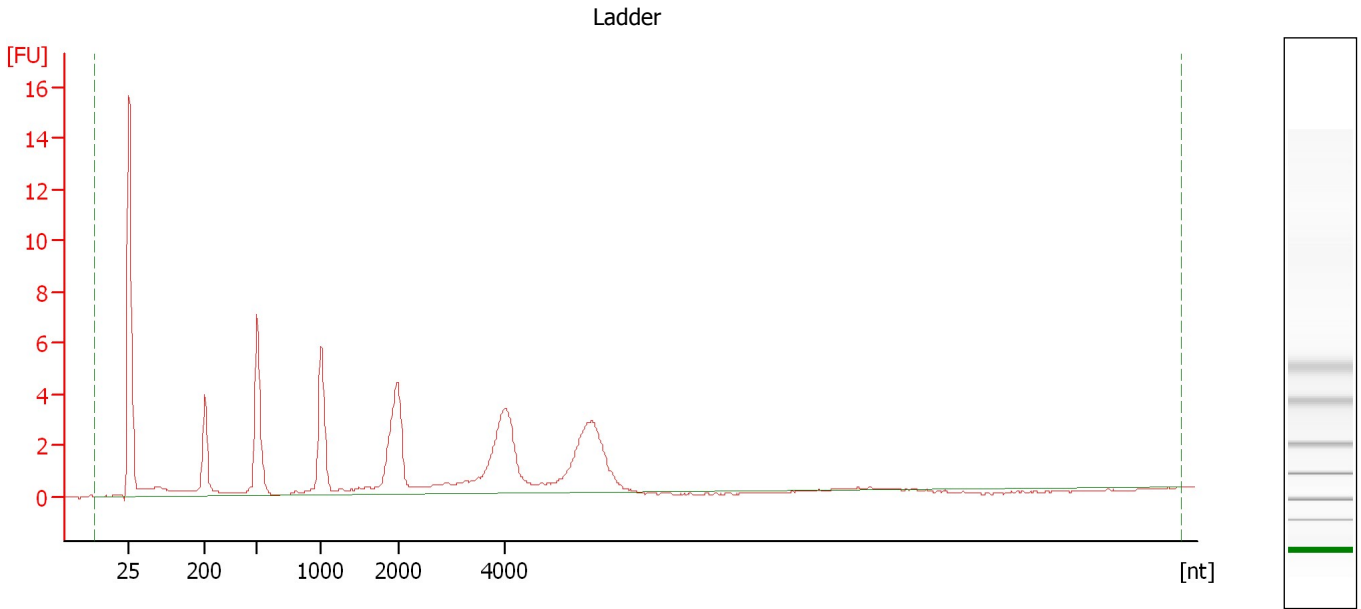
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary



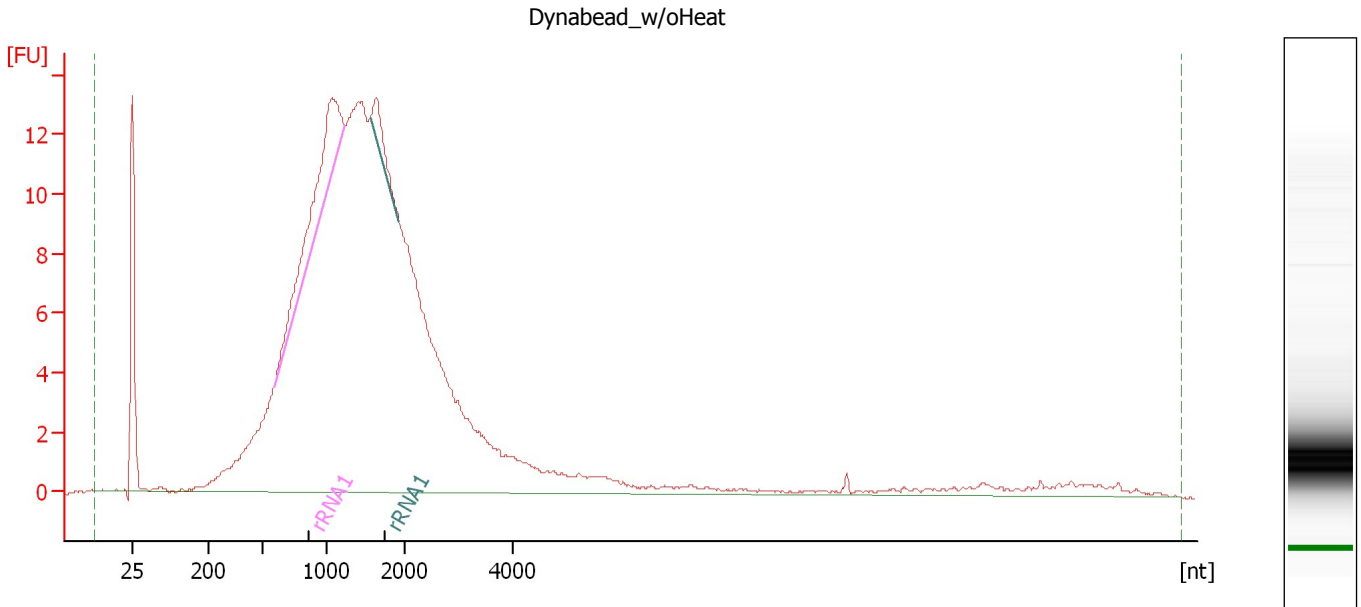
Overall Results for Ladder

RNA Area: 75.9 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Dynabead_w/oHeat

RNA Area: 377.9 rRNA Contamination: 5.3 %
RNA Concentration: 4,977 pg/μl

Fragment table for sample 1 : Dynabead_w/oHeat

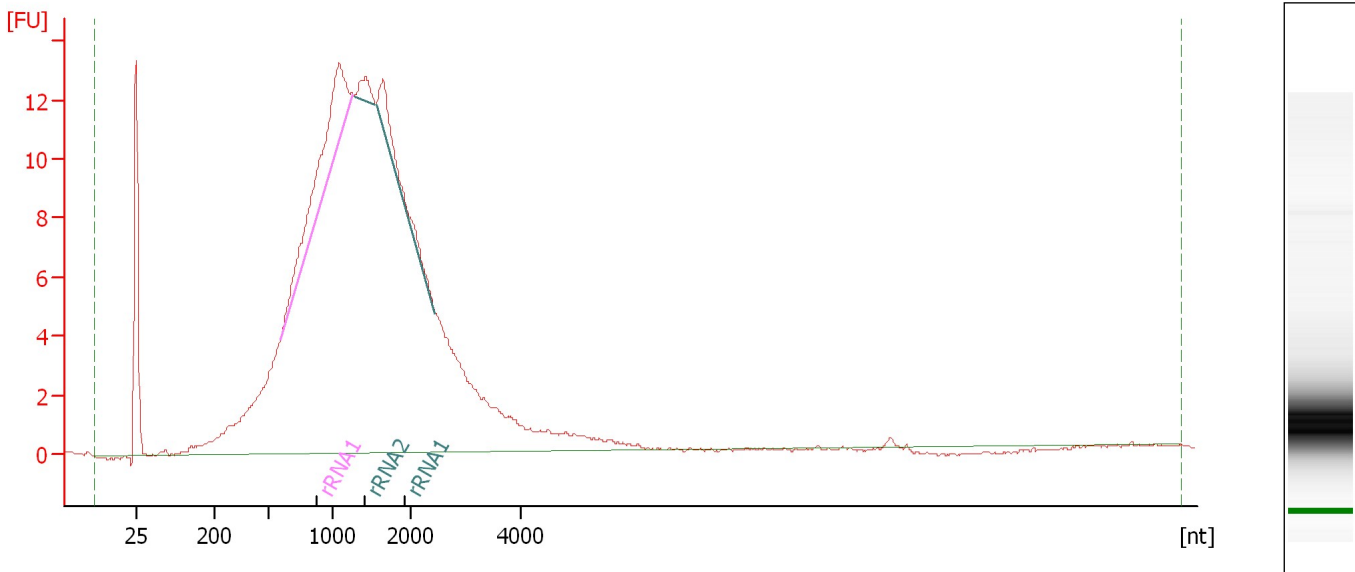
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	594	1,240	16.8	4.5
rRNA1	1,559	1,941	3.1	0.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...

Dynabead_wHeat



Overall Results for sample 2 : Dynabead_wHeat

RNA Area: 356.1 rRNA Contamination: 7.1 %
RNA Concentration: 4,691 pg/μl

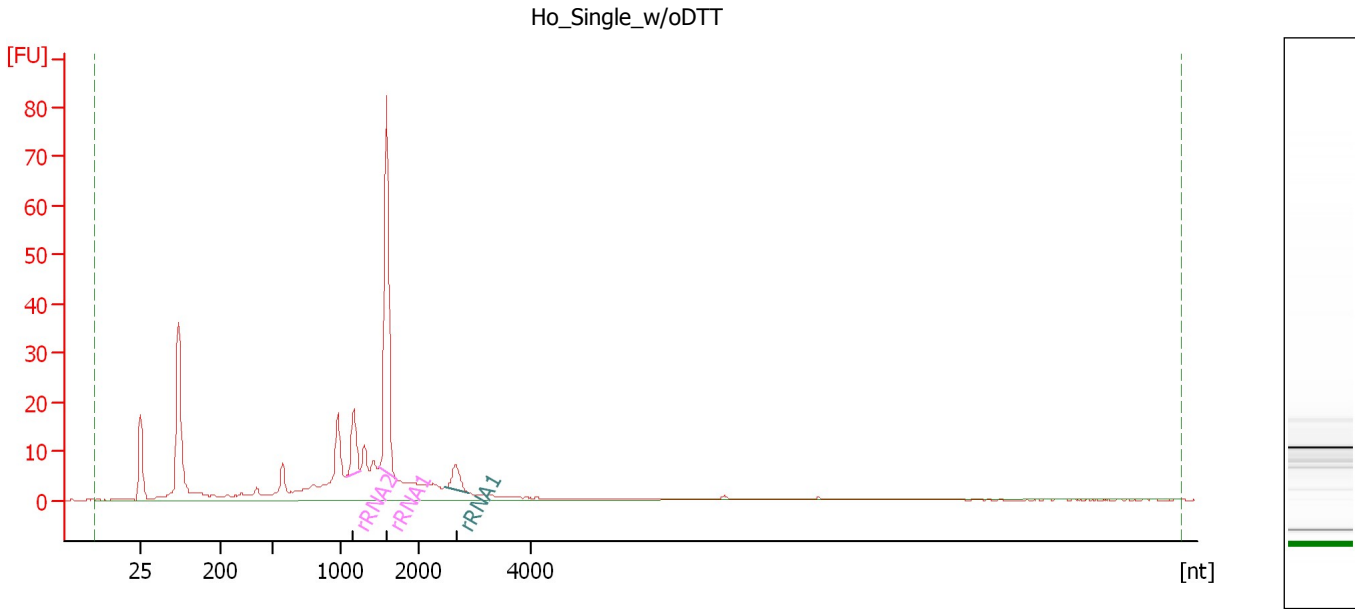
Fragment table for sample 2 : Dynabead_wHeat

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	597	1,254	18.4	5.2
rRNA2	1,274	1,538	1.7	0.5
rRNA1	1,548	2,431	5.3	1.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Ho_Single_w/oDTT

RNA Area: 361.1 rRNA Contamination: 26.8 %
RNA Concentration: 4,756 pg/μl

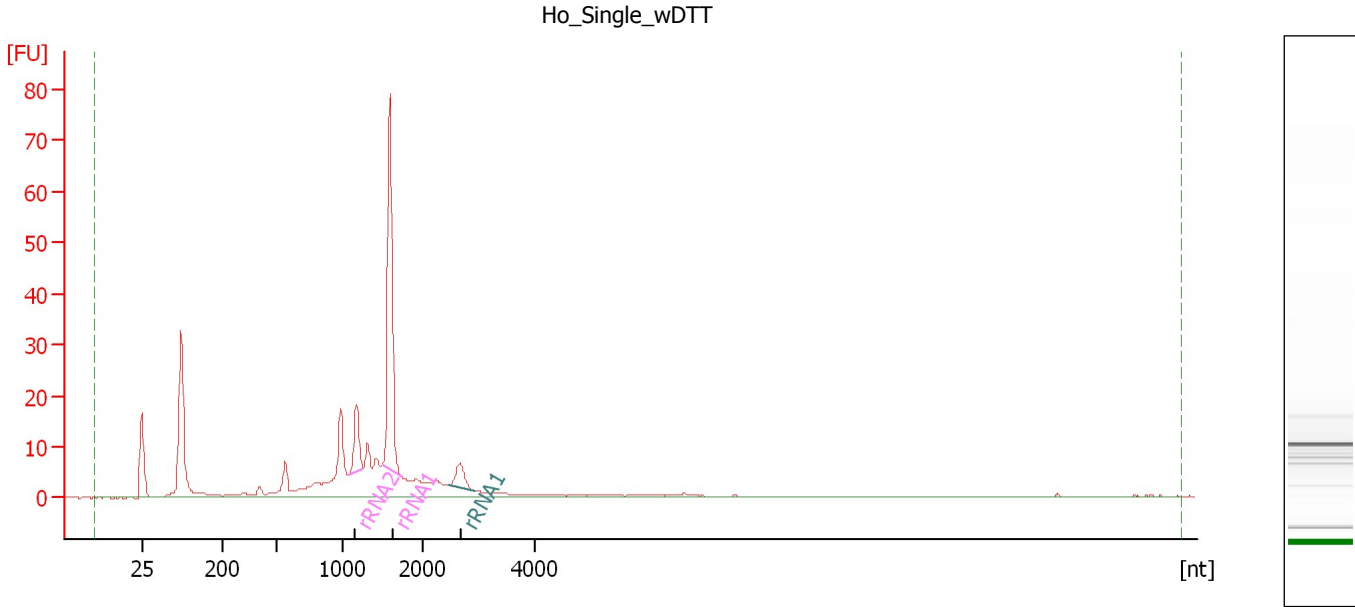
Fragment table for sample 3 : Ho_Single_w/oDTT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,077	1,257	14.6	4.0
rRNA1	1,488	1,708	74.2	20.5
rRNA1	2,459	2,904	8.1	2.2

Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
 Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Ho_Single_wDTT

RNA Area: 330.7 rRNA Contamination: 29.0 %
 RNA Concentration: 4,356 pg/μl

Fragment table for sample 4 : Ho_Single_wDTT

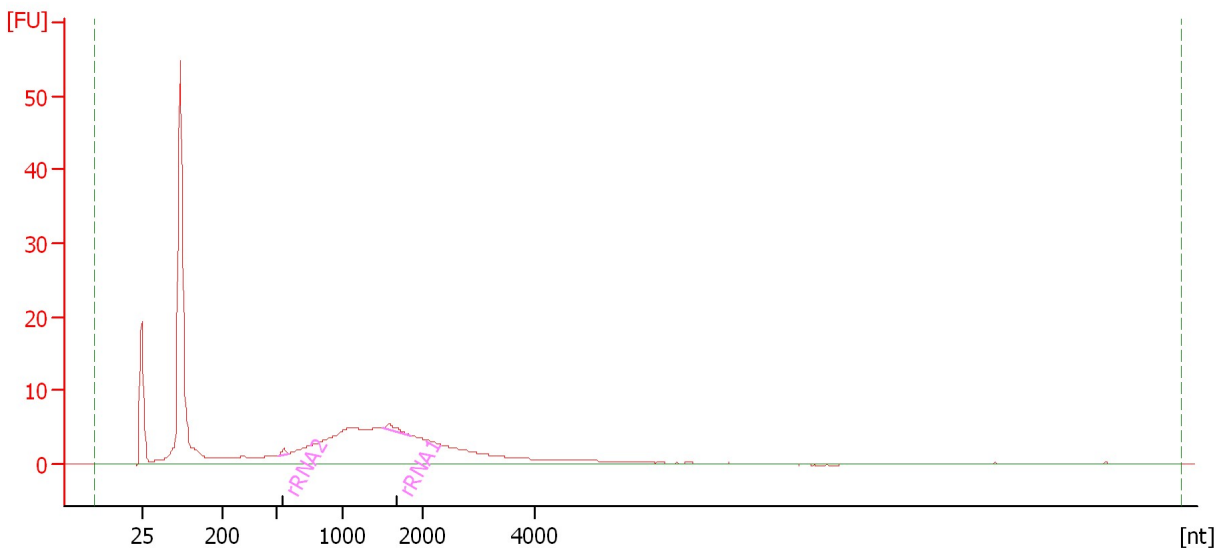
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,083	1,262	14.7	4.4
rRNA1	1,492	1,741	73.9	22.3
rRNA1	2,473	2,930	7.5	2.3

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...

Ho_w/oDTT_w/oHeat



Overall Results for sample 5 : Ho_w/oDTT_w/oHeat

RNA Area: 259.5 rRNA Contamination: 1.0 %
RNA Concentration: 3,419 pg/μl

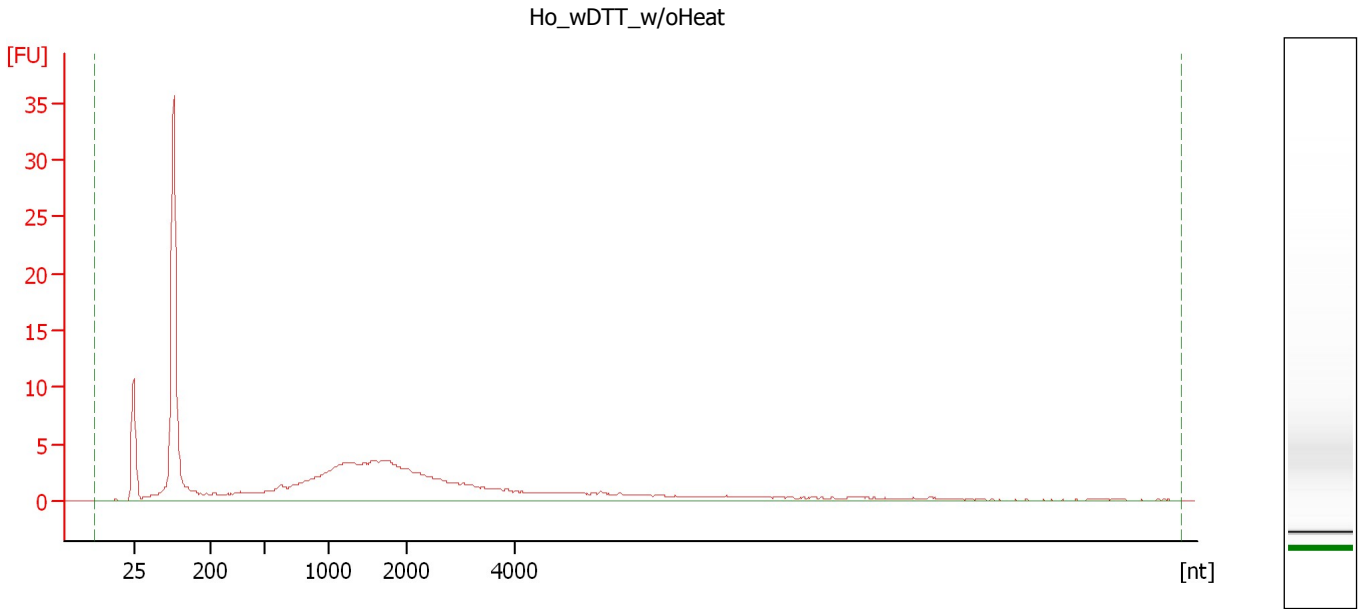
Fragment table for sample 5 : Ho_w/oDTT_w/oHeat

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	517	589	0.8	0.3
rRNA1	1,512	1,851	1.9	0.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Ho_wDTT_w/oHeat

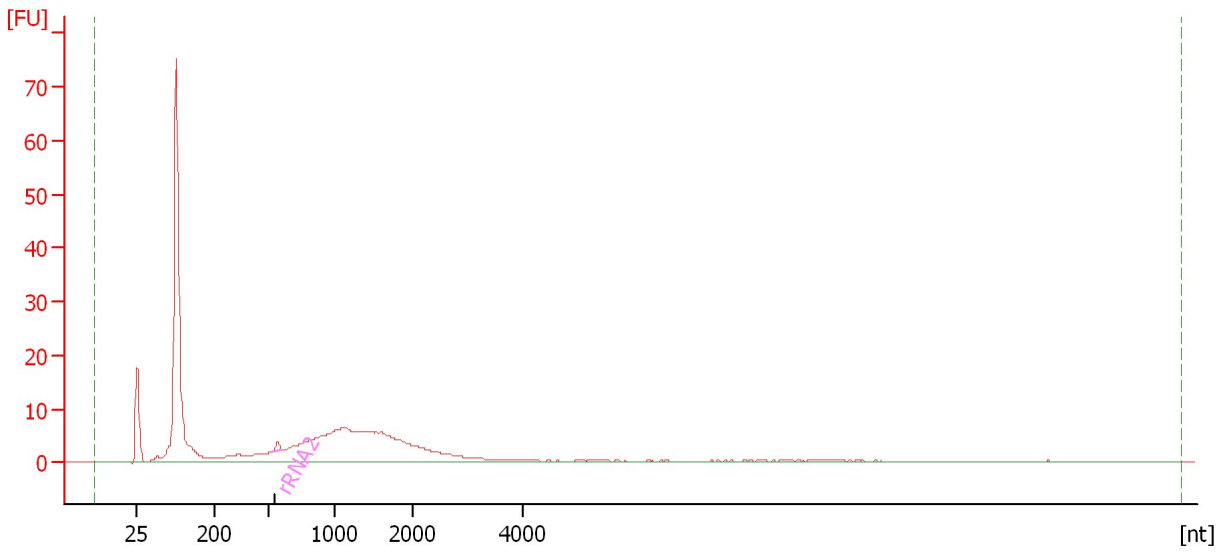
RNA Area: 204.8 rRNA Contamination: 0.0 %
RNA Concentration: 2,697 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...

Ho_w/oDTT_wHeat



Overall Results for sample 7 : Ho_w/oDTT_wHeat

RNA Area: 335.7 rRNA Contamination: 0.5 %
RNA Concentration: 4,422 pg/μl

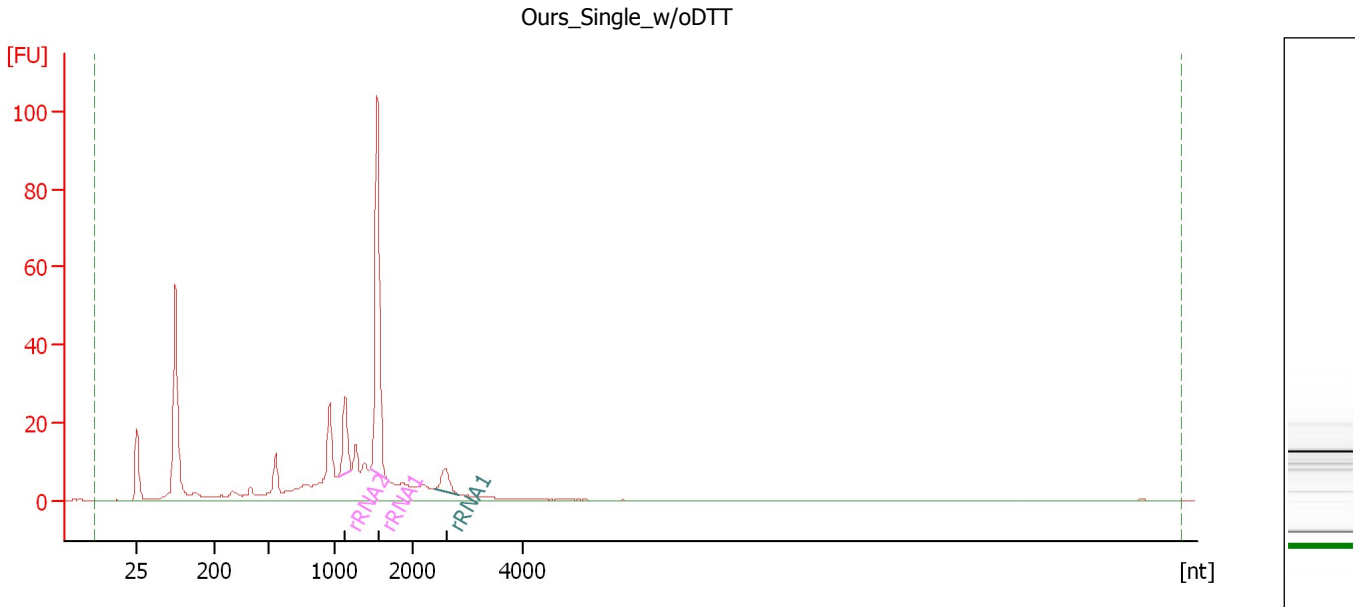
Fragment table for sample 7 : Ho_w/oDTT_wHeat

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	515	594	1.6	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Ours_Single_w/oDTT

RNA Area: 458.2 rRNA Contamination: 27.4 %
RNA Concentration: 6,035 pg/μl

Fragment table for sample 8 : Ours_Single_w/oDTT

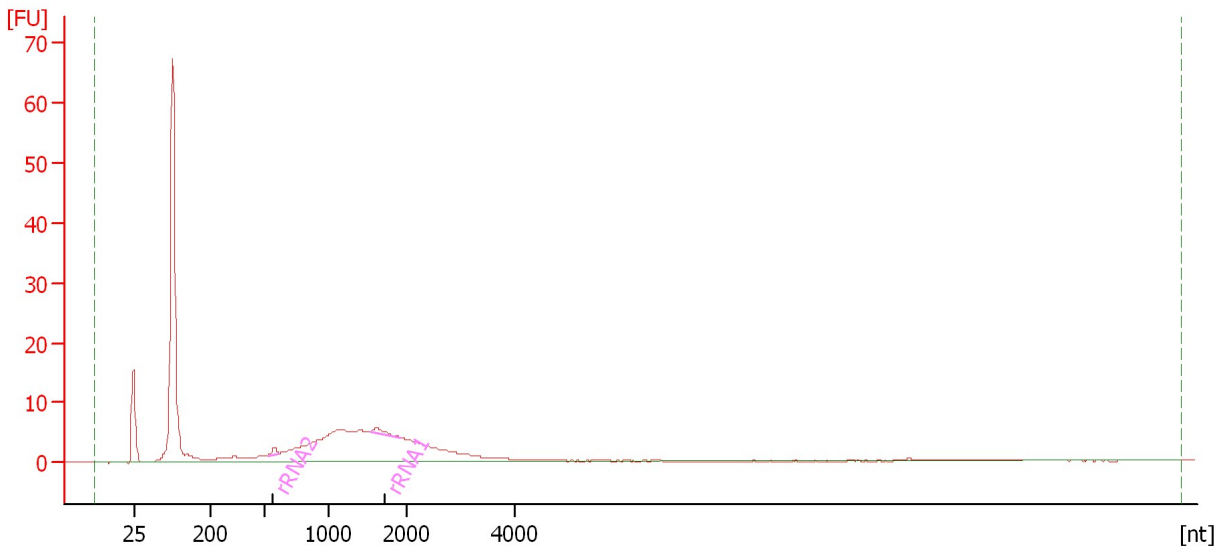
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,044	1,216	21.5	4.7
rRNA1	1,449	1,662	94.6	20.7
rRNA1	2,387	2,837	9.4	2.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

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Electropherogram Summary Continued ...

Ours_w/oDTT_w/oHeat



Overall Results for sample 9 : Ours_w/oDTT_w/oHeat

RNA Area: 277.6 rRNA Contamination: 1.1 %
RNA Concentration: 3,657 pg/μl

Fragment table for sample 9 : Ours_w/oDTT_w/oHeat

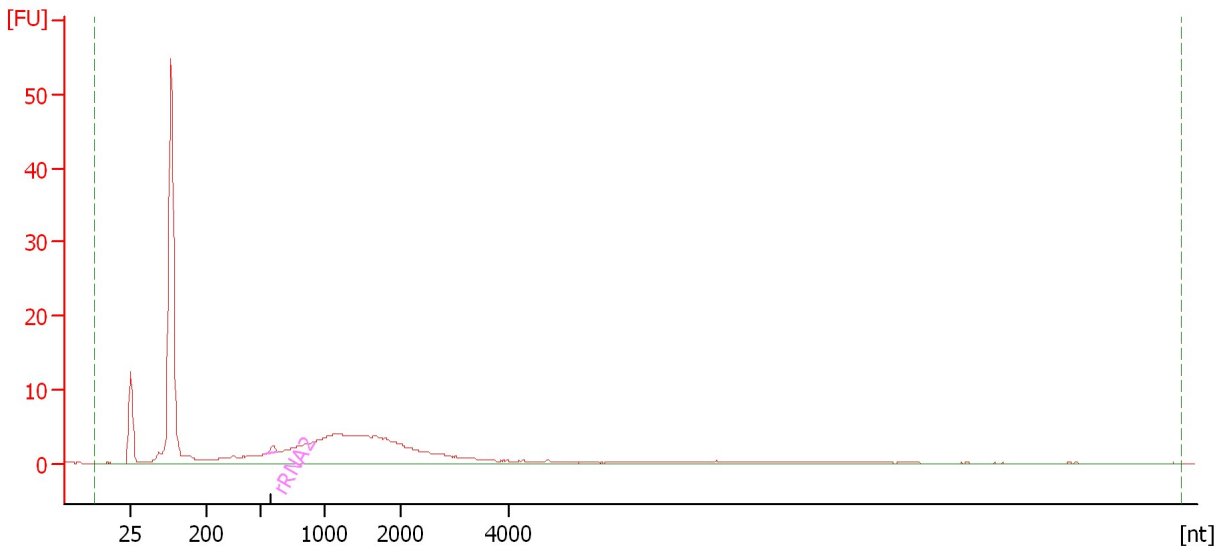
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	526	612	1.3	0.5
rRNA1	1,543	1,922	1.7	0.6

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Electropherogram Summary Continued ...

ours_wDTT_w/oHeat



Overall Results for sample 10 : ours_wDTT_w/oHeat

RNA Area: 231.0 rRNA Contamination: 0.5 %
RNA Concentration: 3,042 pg/μl

Fragment table for sample 10 : ours_wDTT_w/oHeat

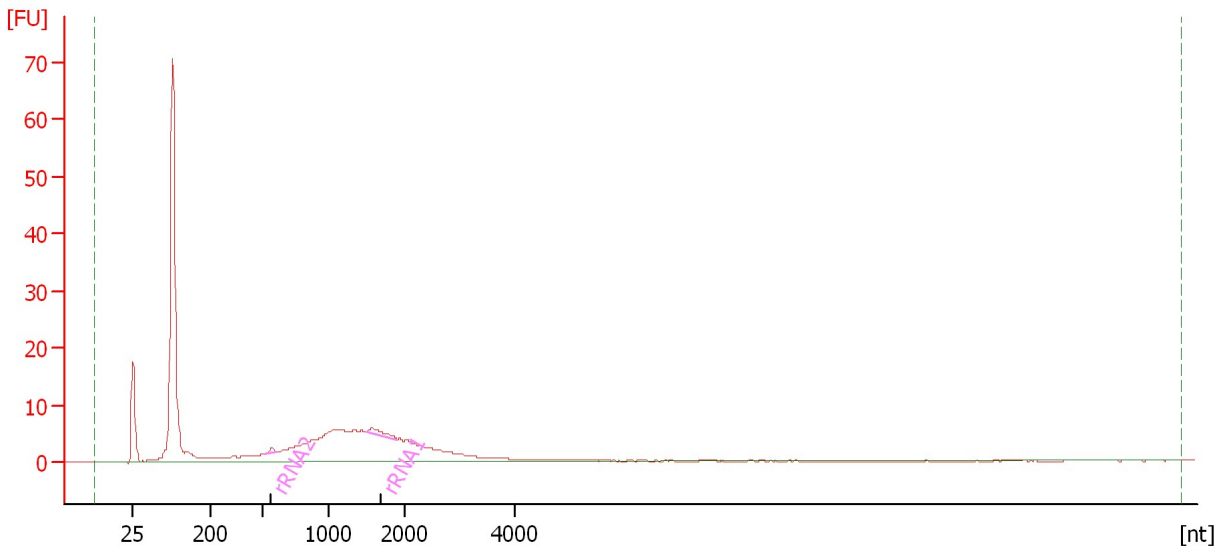
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	544	637	1.2	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
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Electropherogram Summary Continued ...

ours_w/oDTT_wHeat



Overall Results for sample 11 : ours_w/oDTT_wHeat

RNA Area: 295.7 rRNA Contamination: 1.1 %
RNA Concentration: 3,895 pg/μl

Fragment table for sample 11 : ours_w/oDTT_wHeat

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	517	597	0.9	0.3
rRNA1	1,510	1,890	2.3	0.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_002.xad

Created: 9/7/2017 3:52:04 PM
Modified: 9/7/2017 4:18:00 PM

Gel Image

