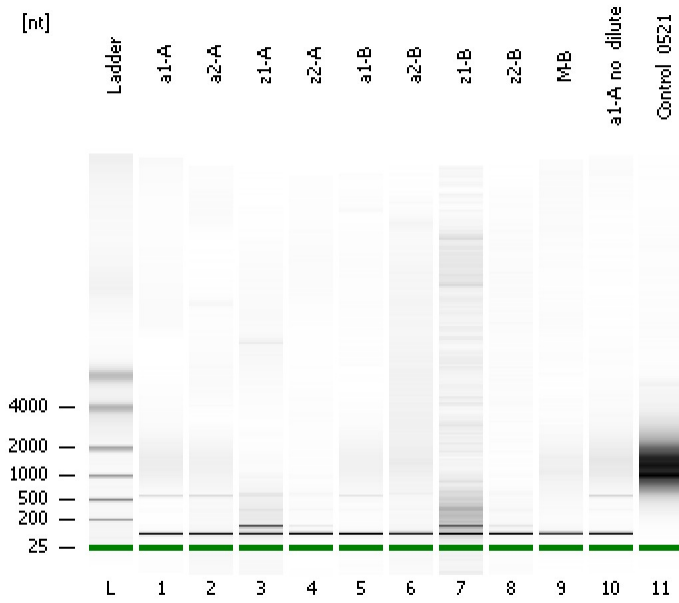


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

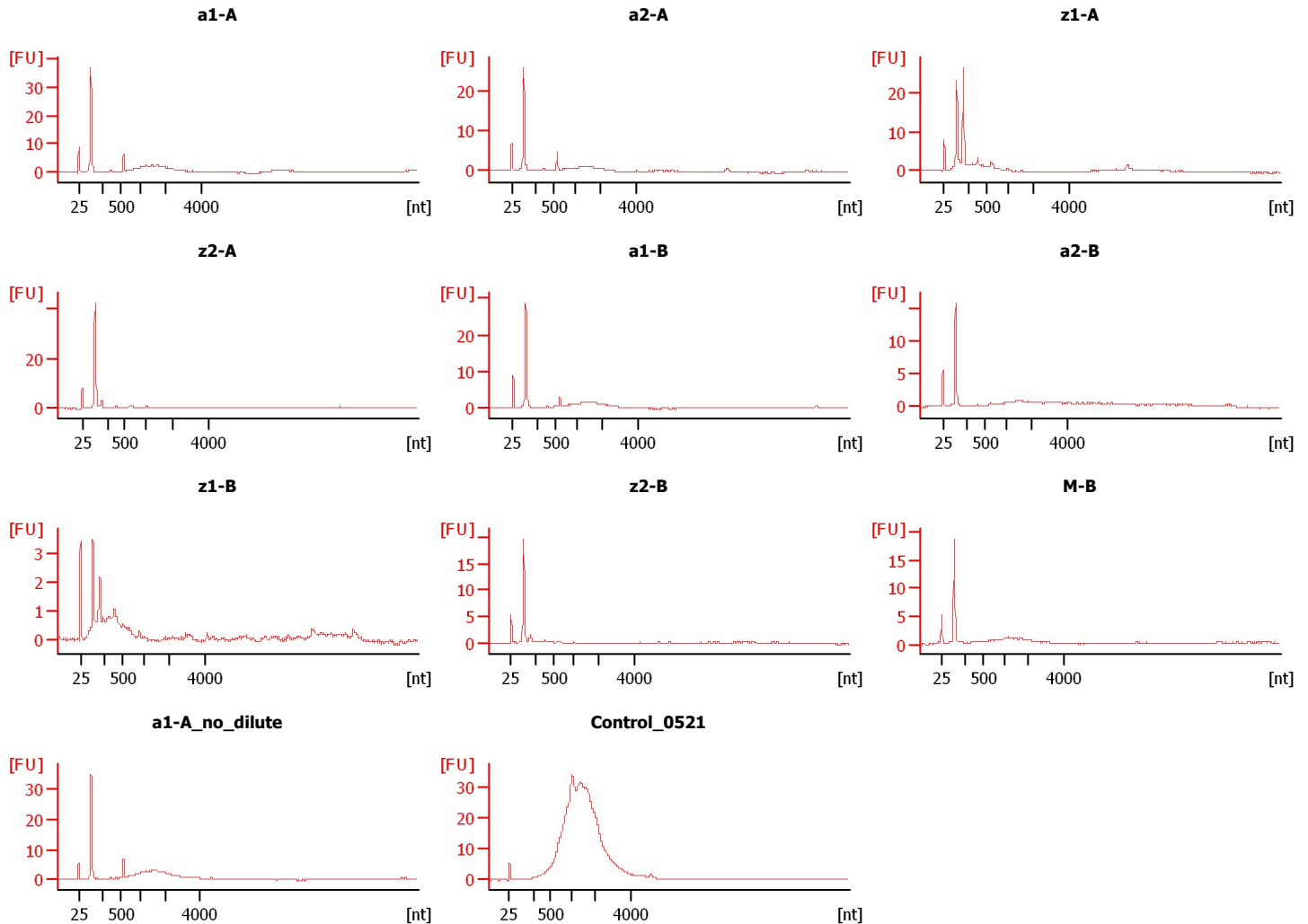
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
a1-A		✓		
a2-A		✓		
z1-A		✓		
z2-A		✓		
a1-B		✓		
a2-B		✓		
z1-B		✓		
z2-B		✓		
M-B		✓		
a1-A_no_dilute		✓		
Control_0521		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 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

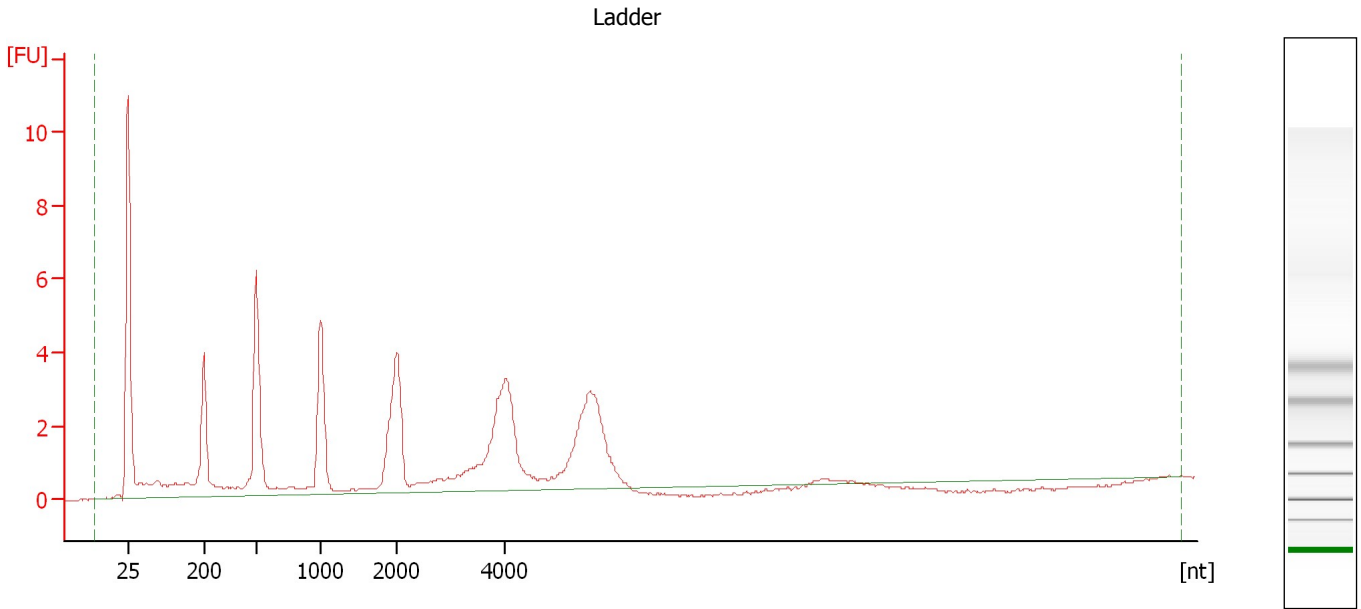
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary



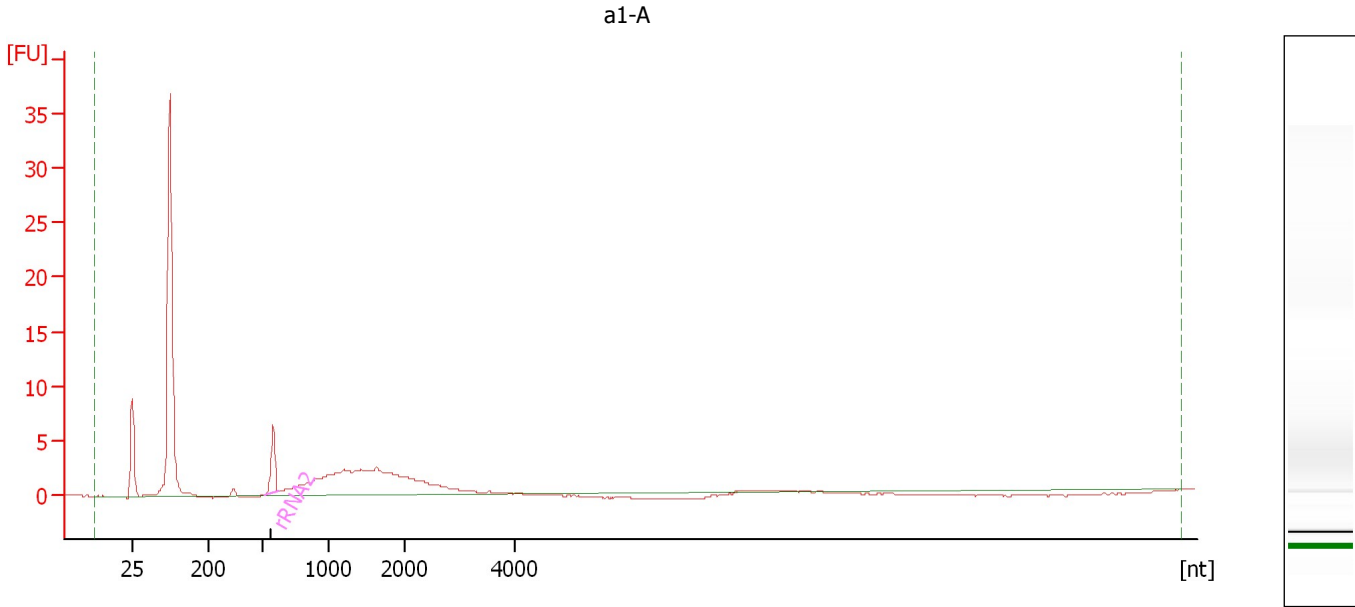
Overall Results for Ladder

RNA Area: 75.4 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : a1-A

RNA Area: 120.6 rRNA Contamination: 5.4 %
RNA Concentration: 1,600 pg/μl

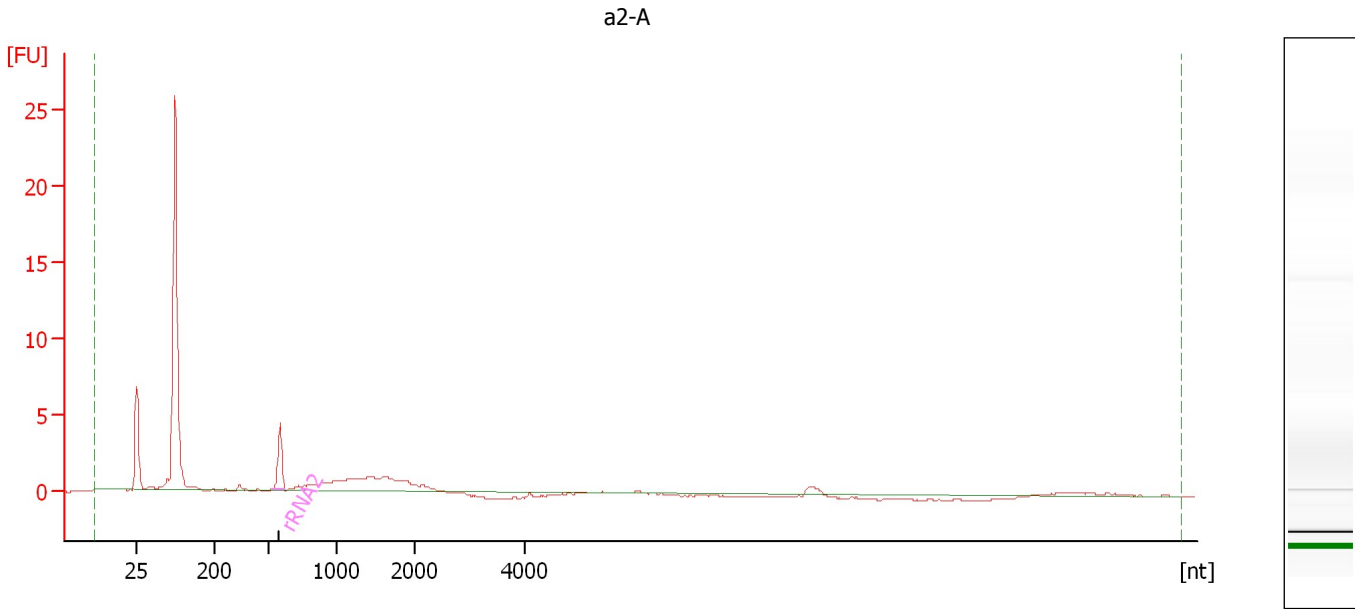
Fragment table for sample 1 : a1-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	522	620	6.6	5.4

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : a2-A

RNA Area: 69.0 rRNA Contamination: 6.4 %
RNA Concentration: 915 pg/μl

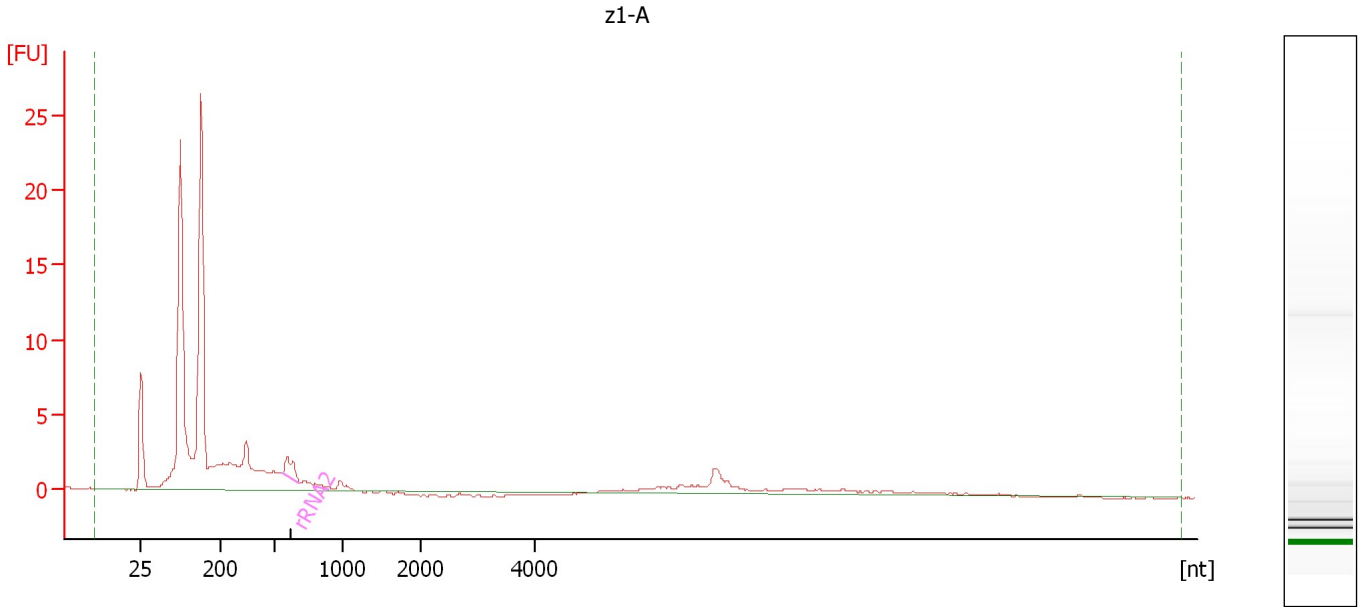
Fragment table for sample 2 : a2-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	530	614	4.4	6.4

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : z1-A

RNA Area: 139.3 rRNA Contamination: 2.0 %
RNA Concentration: 1,848 pg/μl

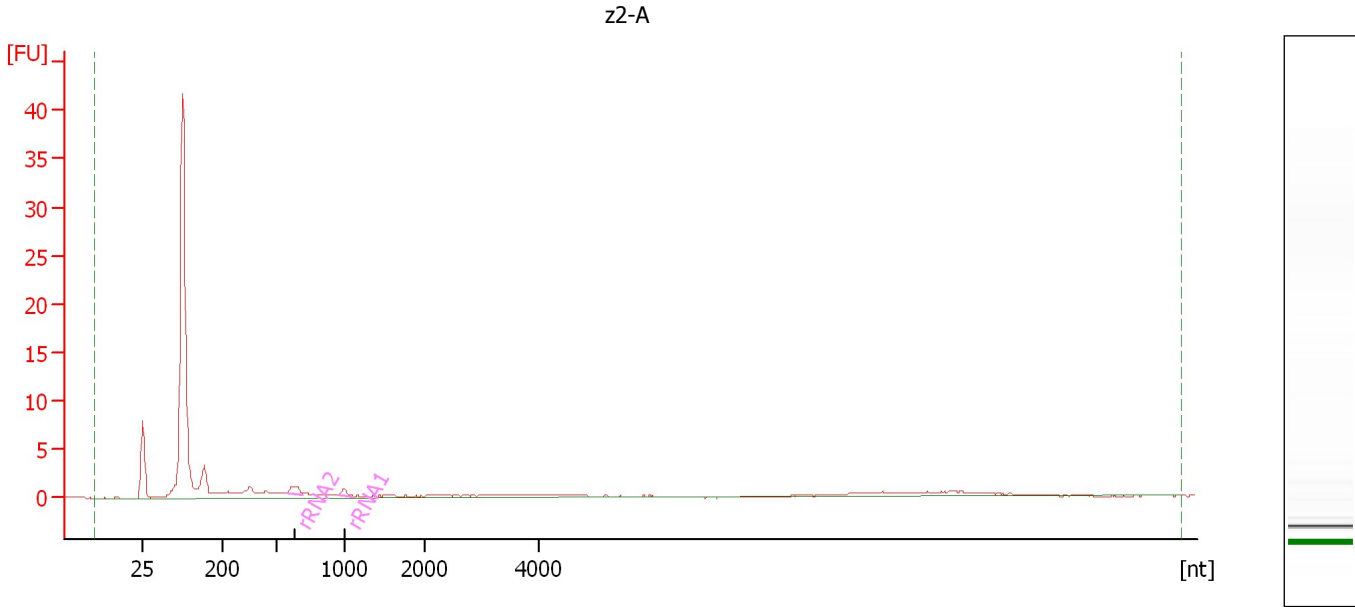
Fragment table for sample 3 : z1-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	552	682	2.7	2.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : z2-A

RNA Area: 115.4 rRNA Contamination: 2.0 %
RNA Concentration: 1,530 pg/μl

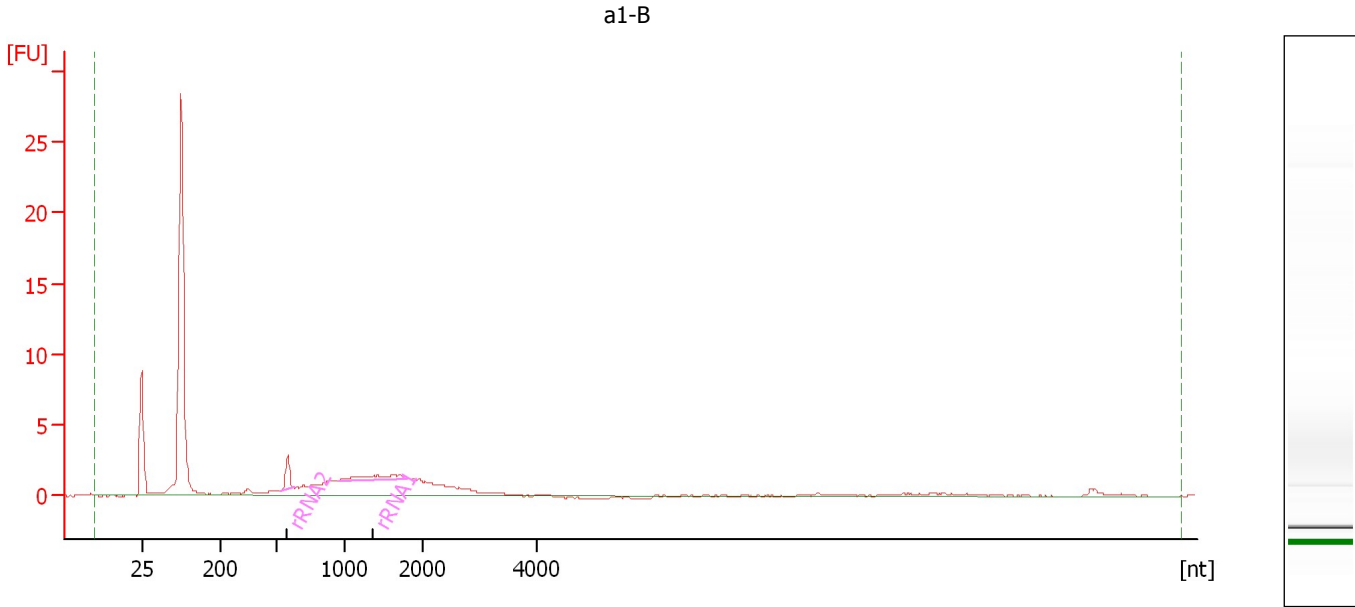
Fragment table for sample 4 : z2-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	570	687	1.6	1.4
rRNA1	952	1,099	0.7	0.6

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : a1-B

RNA Area: 92.8 rRNA Contamination: 5.5 %
RNA Concentration: 1,230 pg/μl

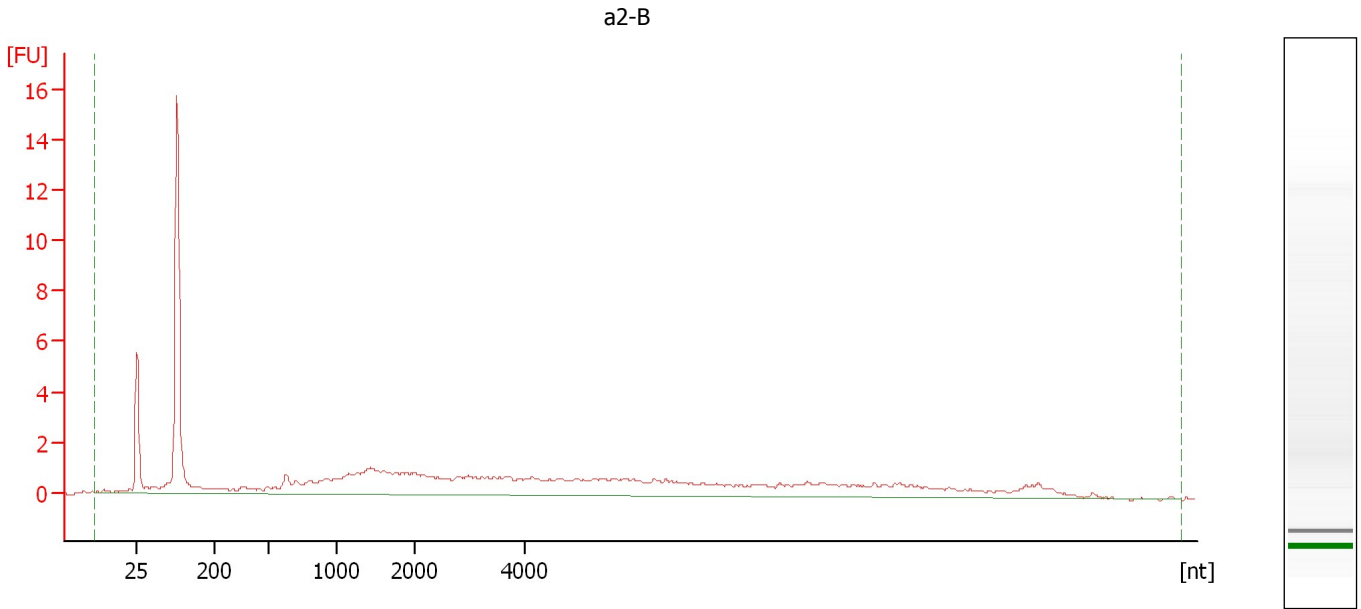
Fragment table for sample 5 : a1-B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	537	632	2.6	2.8
rRNA1	968	1,800	2.5	2.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : a2-B

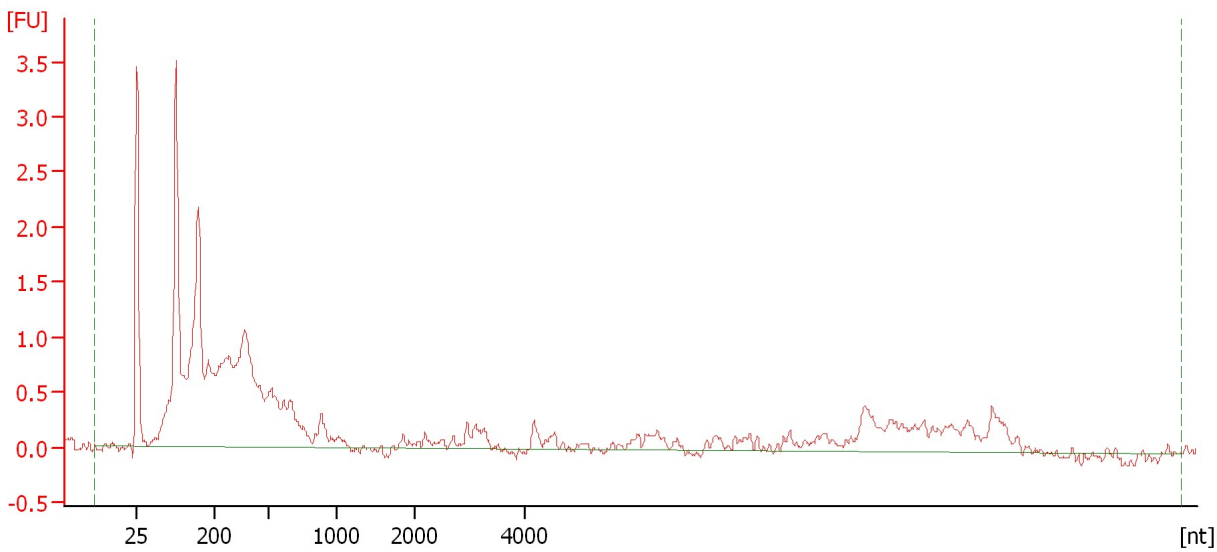
RNA Area:	92.3	rRNA Contamination:	0.0 %
RNA Concentration:	1,224 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...

z1-B



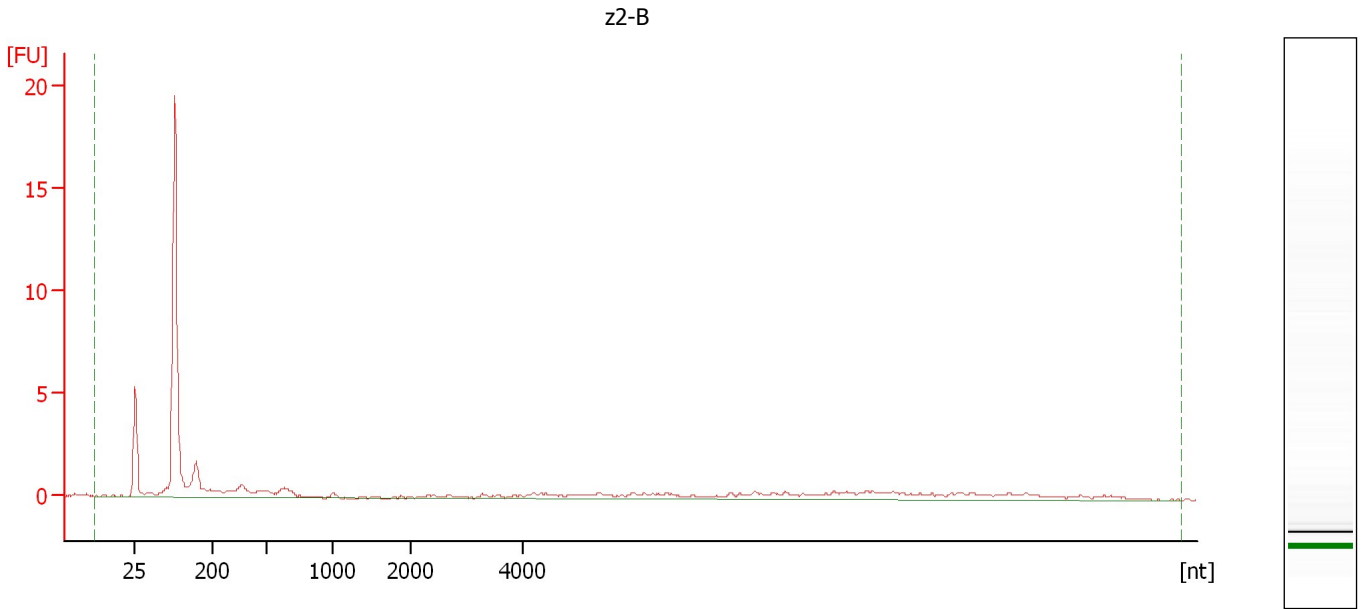
Overall Results for sample 7 : z1-B

RNA Area: 37.0 rRNA Contamination: 0.0 %
RNA Concentration: 491 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



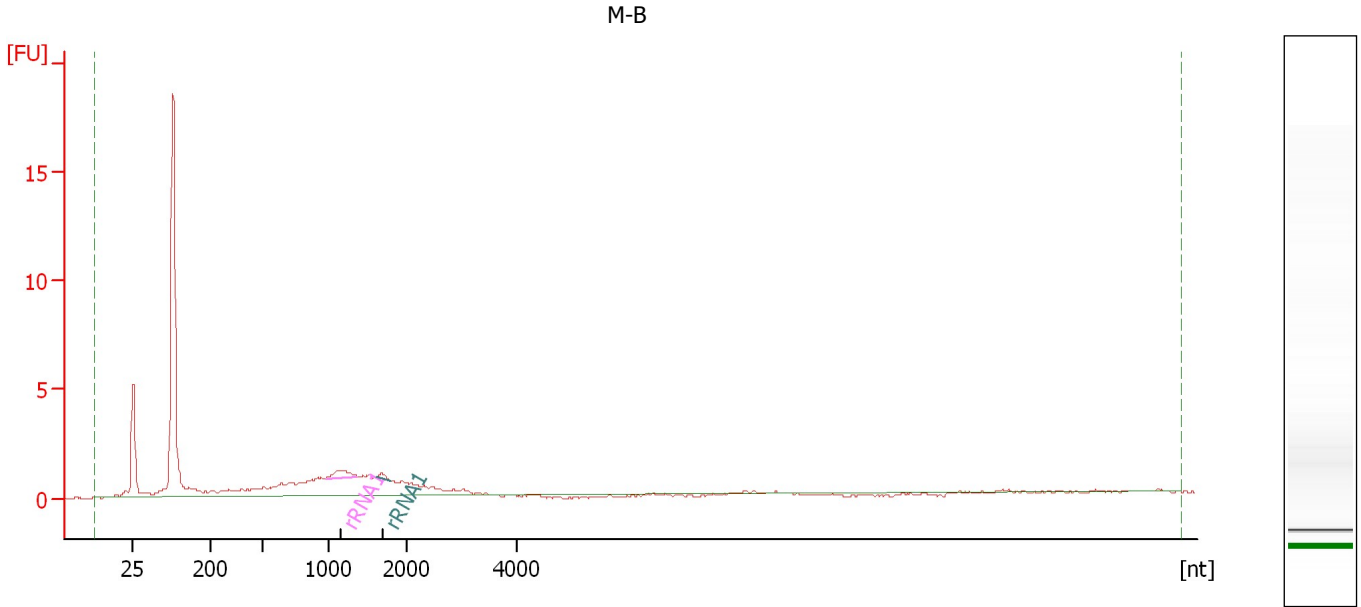
Overall Results for sample 8 : z2-B

RNA Area:	58.0	rRNA Contamination:	0.0 %
RNA Concentration:	769 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : M-B

RNA Area: 66.3 rRNA Contamination: 2.1 %
RNA Concentration: 879 pg/μl

Fragment table for sample 9 : M-B

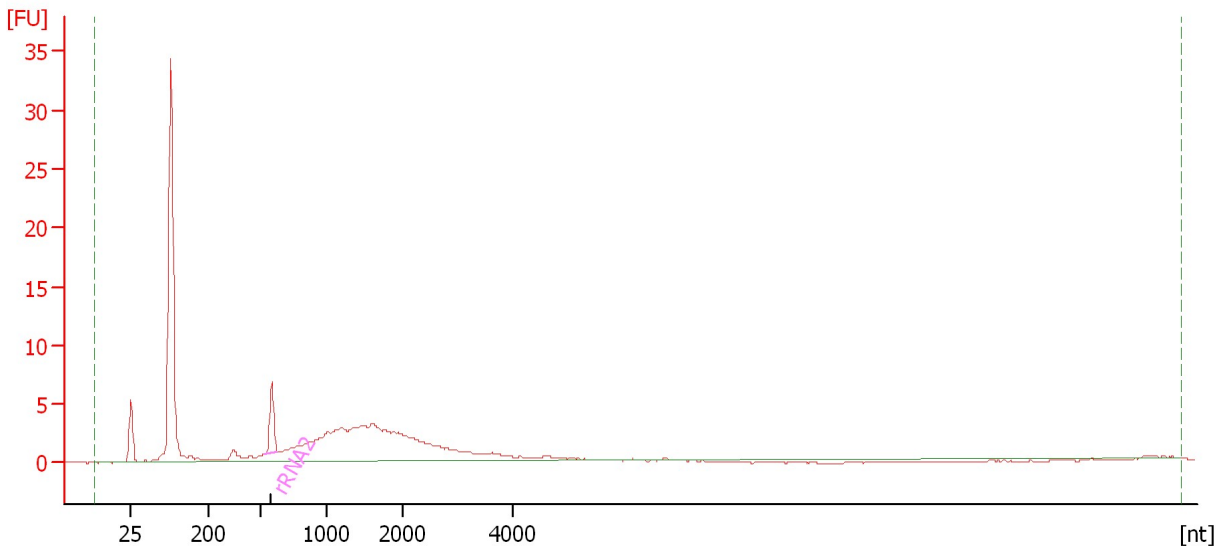
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	981	1,362	1.1	1.6
rRNA1	1,621	1,797	0.3	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...

a1-A_no_dilute



Overall Results for sample 10 : a1-A no dilute

RNA Area: 151.6 rRNA Contamination: 4.3 %
RNA Concentration: 2,011 pg/μl

Fragment table for sample 10 : a1-A no dilute

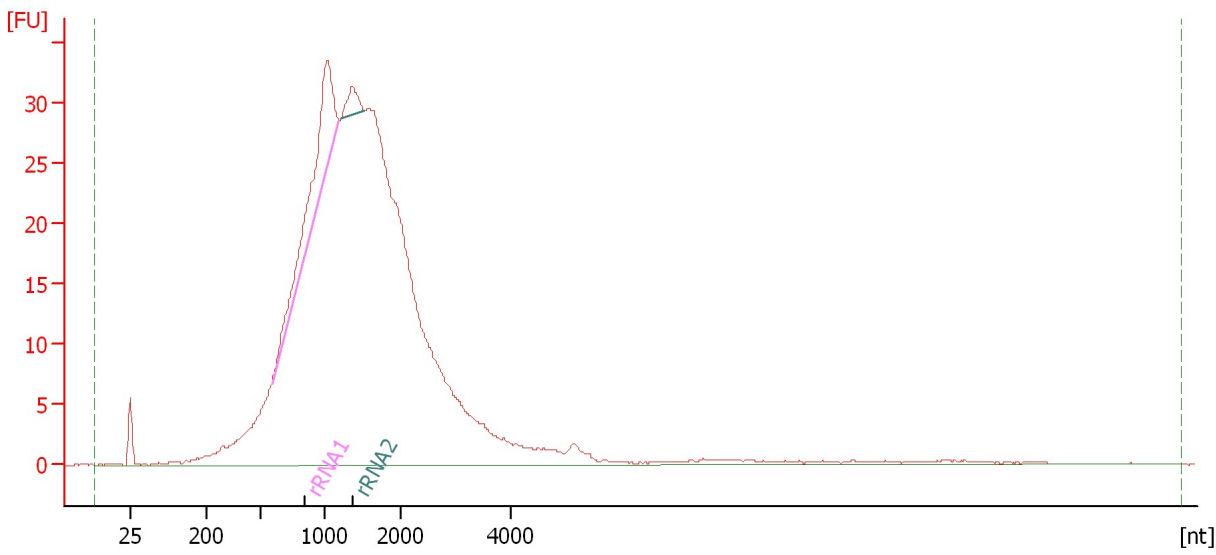
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	531	623	6.6	4.3

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Electropherogram Summary Continued ...

Control_0521



Overall Results for sample 11 : Control_0521

RNA Area: 833.1 rRNA Contamination: 5.8 %
RNA Concentration: 11,049 pg/μl

Fragment table for sample 11 : Control_0521

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	589	1,187	43.0	5.2
rRNA2	1,208	1,511	5.7	0.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_001.xad

Created: 9/5/2017 11:00:55 AM
Modified: 9/5/2017 11:26:54 AM

Gel Image

