

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-01\2015-05-01_001.xad

Created: 5/1/2015 10:49:51 AM
Modified: 5/1/2015 11:15:46 AM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

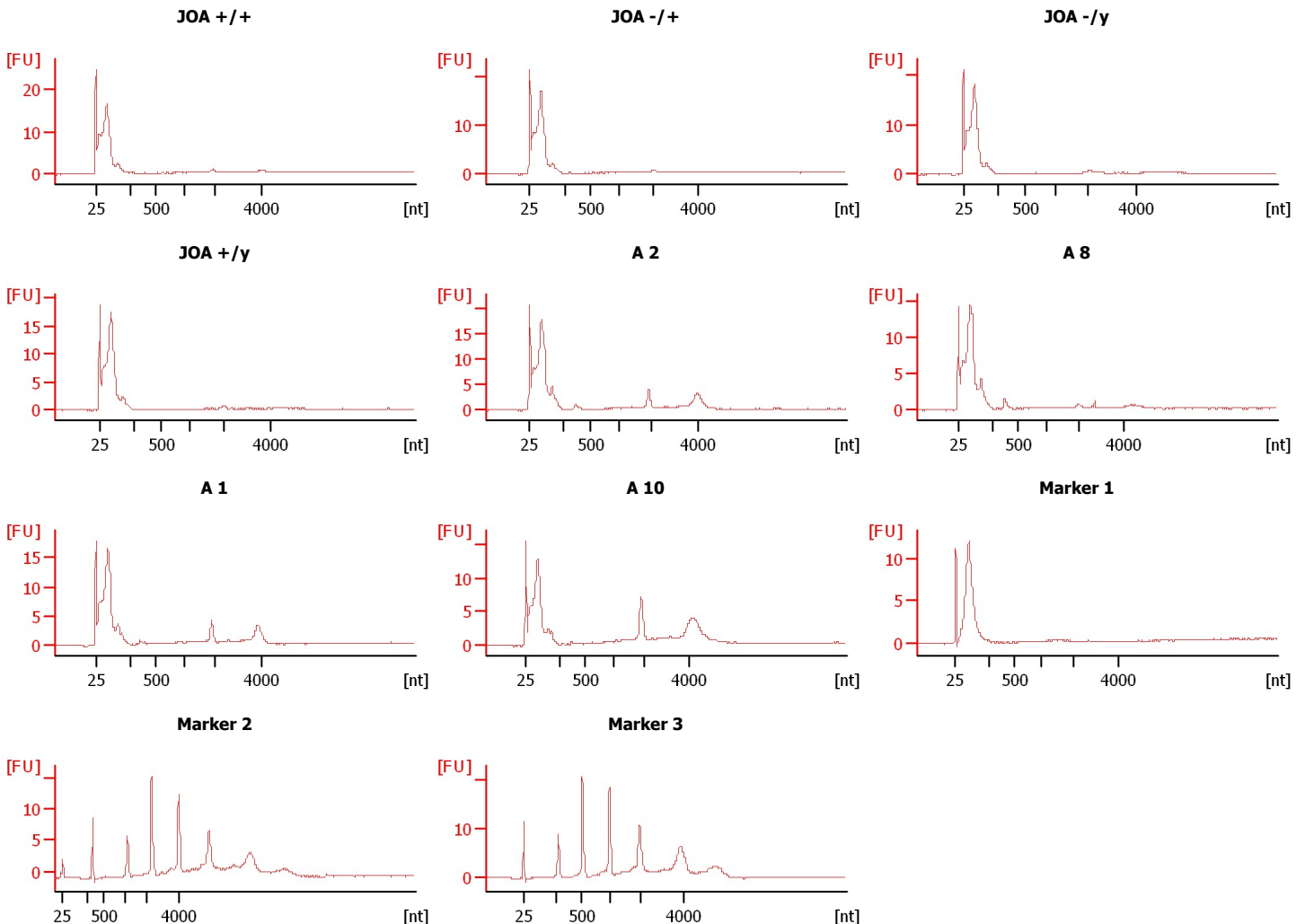
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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
JOA +/+		✓		
JOA -/+		✓		
JOA -/y		✓		
JOA +/y		✓		
A 2		✓		
A 8		✓		
A 1		✓		
A 10		✓		
Marker 1		✓		
Marker 2		✓		
Marker 3		✓		
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

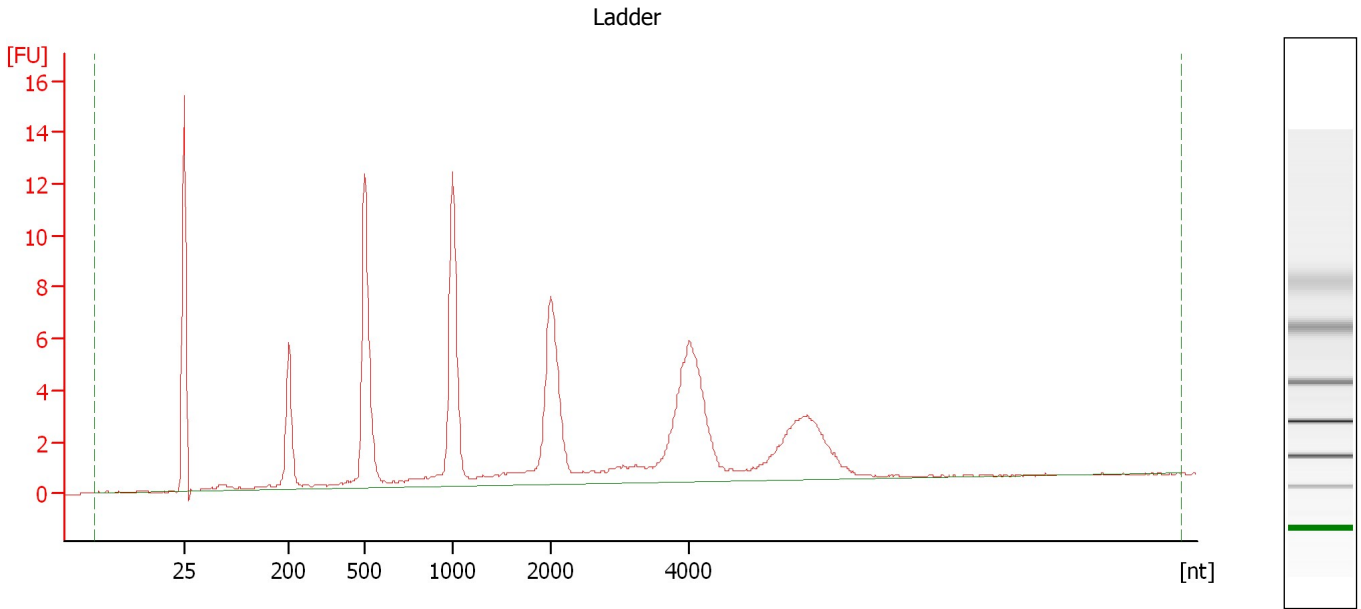
Ladder

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

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Electropherogram Summary



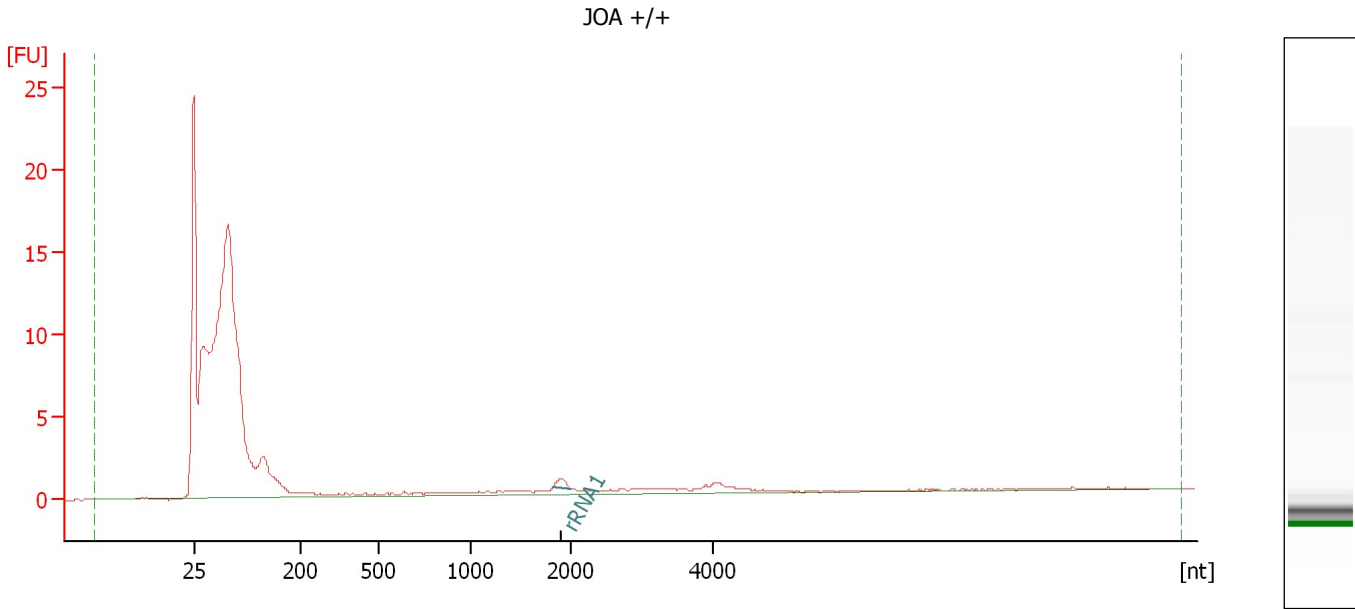
Overall Results for Ladder

RNA Area: 119.0 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 1 : JOA +/+

RNA Area: 156.5 rRNA Contamination: 0.5 %
RNA Concentration: 1,316 pg/μl

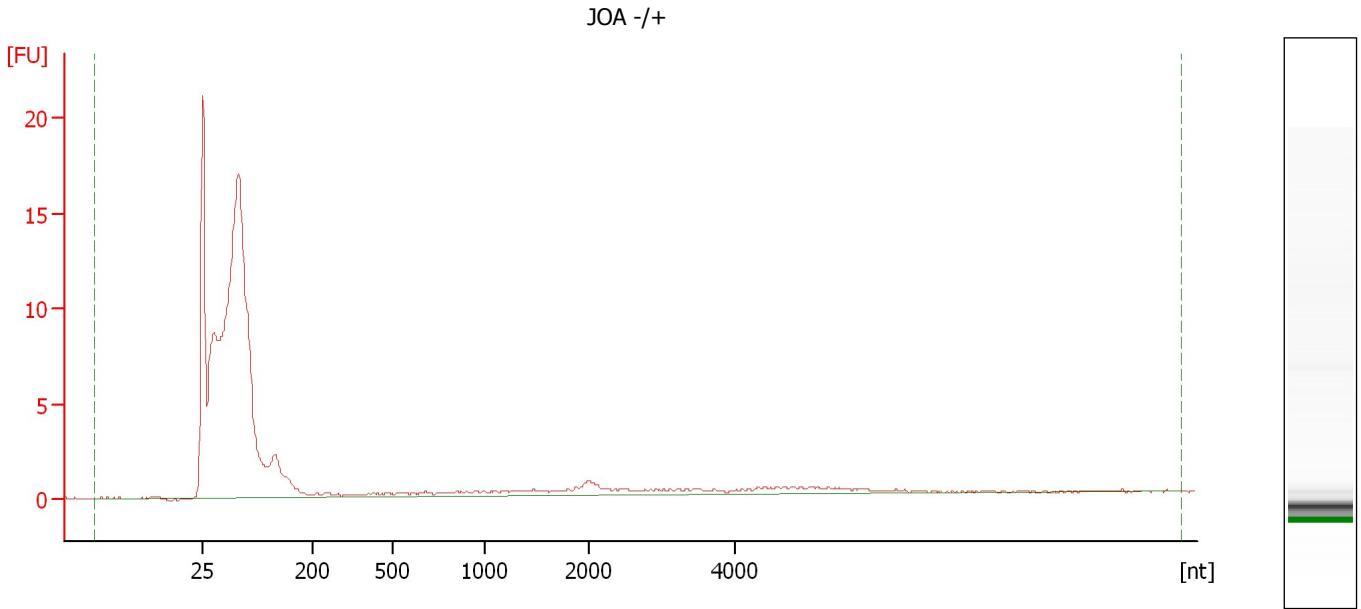
Fragment table for sample 1 : JOA +/+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,827	2,014	0.8	0.5

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Electropherogram Summary Continued ...



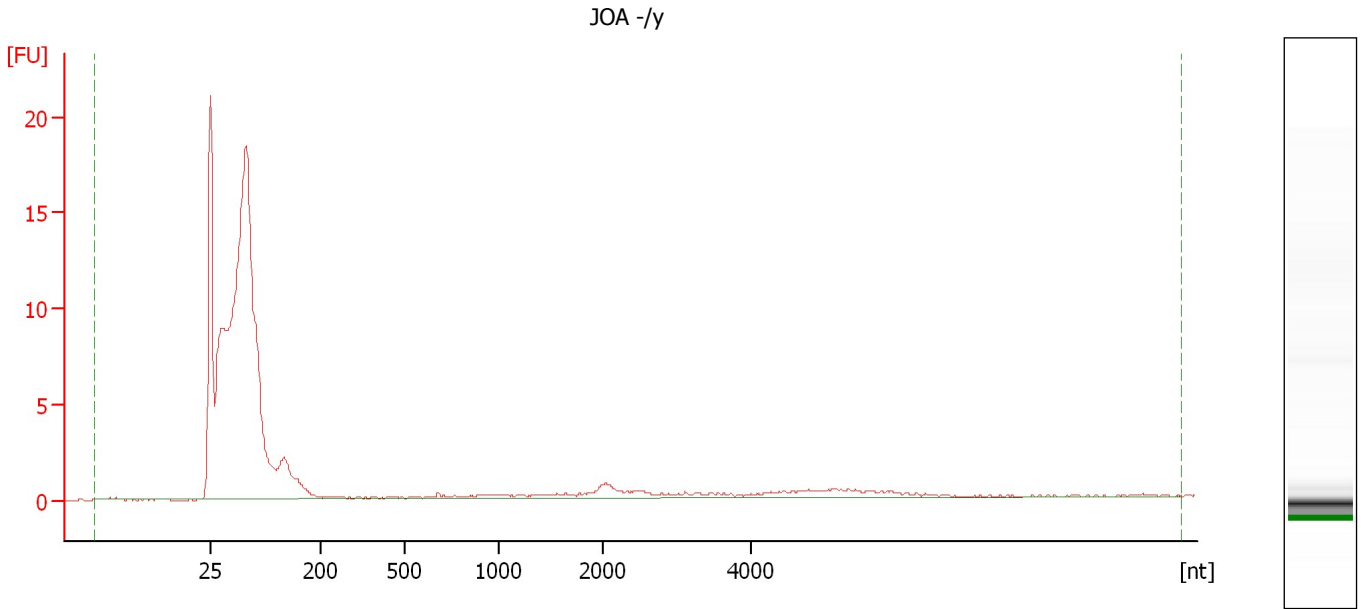
Overall Results for sample 2 : JOA -/+

RNA Area:	153.0	rRNA Contamination:	0.0 %
RNA Concentration:	1,286 pg/μl		

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Electropherogram Summary Continued ...



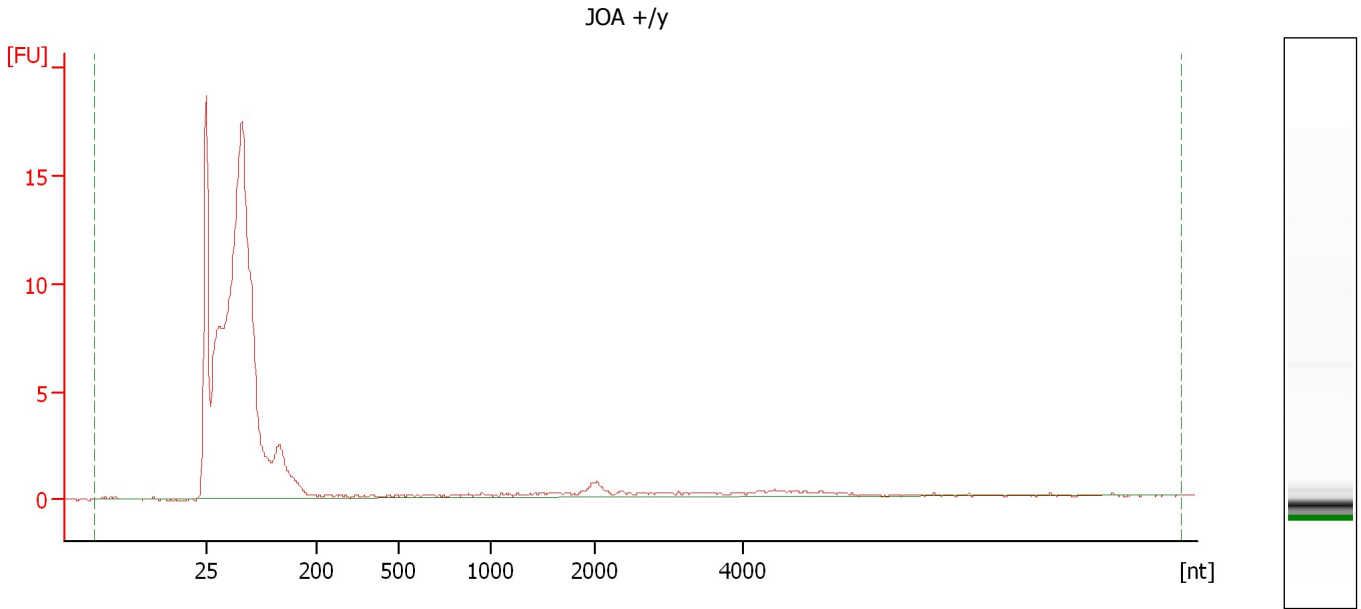
Overall Results for sample 3 : JOA -/y

RNA Area:	155.8	rRNA Contamination:	0.0 %
RNA Concentration:	1,310 pg/μl		

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Electropherogram Summary Continued ...



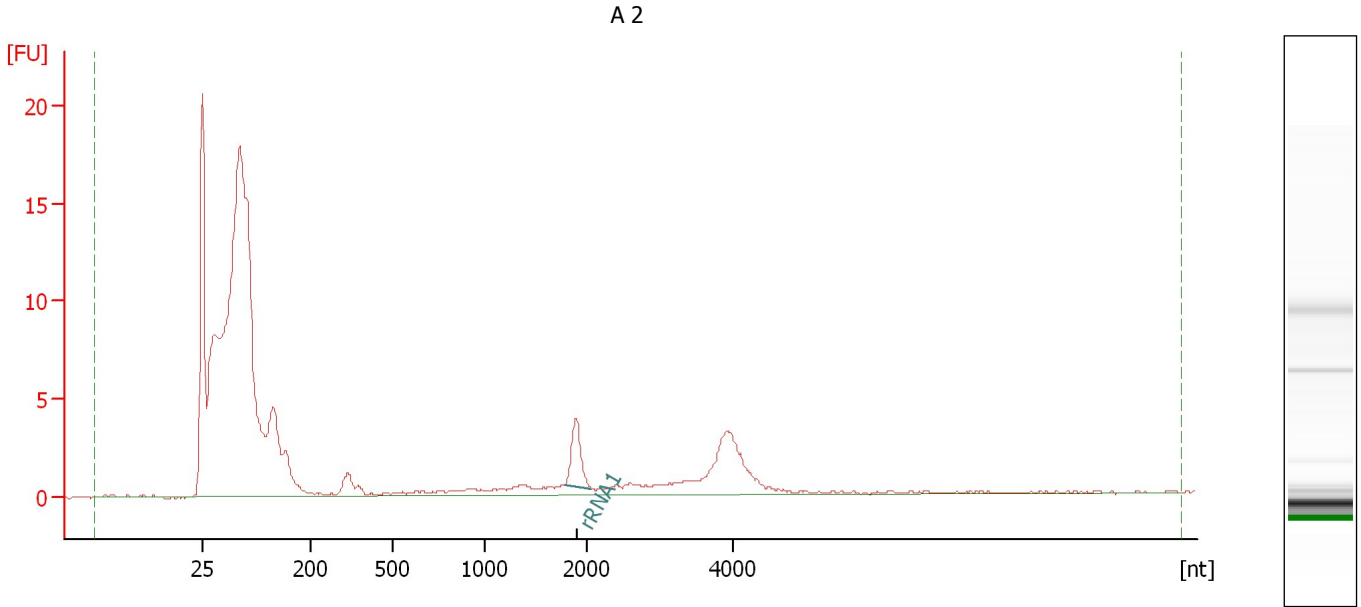
Overall Results for sample 4 : JOA +/-y

RNA Area: 148.0 rRNA Contamination: 0.0 %
RNA Concentration: 1,244 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 5 : A 2

RNA Area: 201.6 rRNA Contamination: 2.4 %
RNA Concentration: 1,694 pg/ μ l

Fragment table for sample 5 : A 2

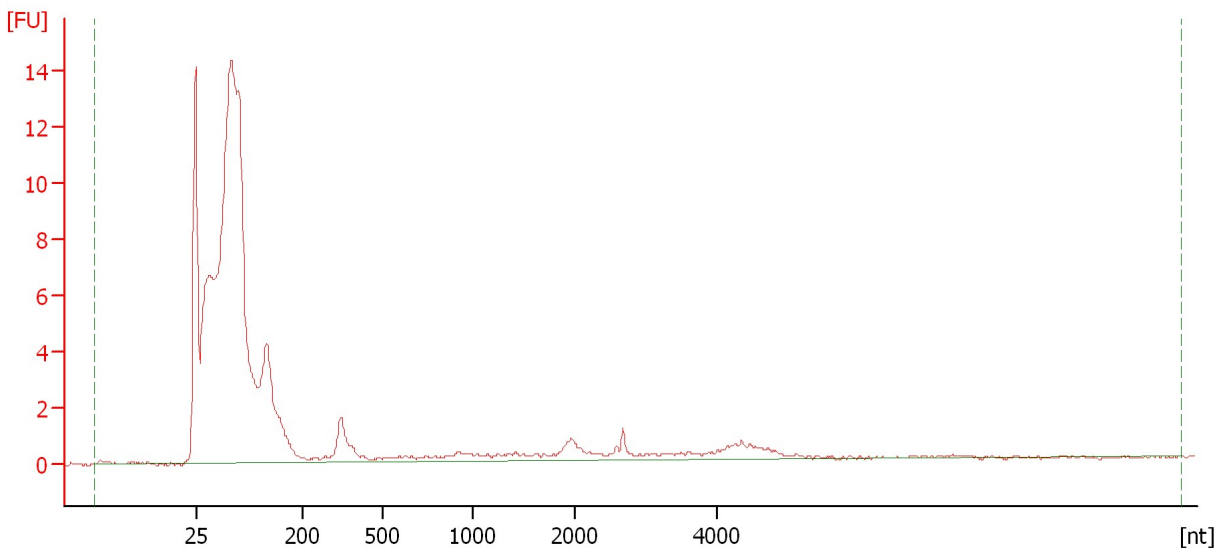
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,788	2,050	4.9	2.4

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Electropherogram Summary Continued ...

A 8



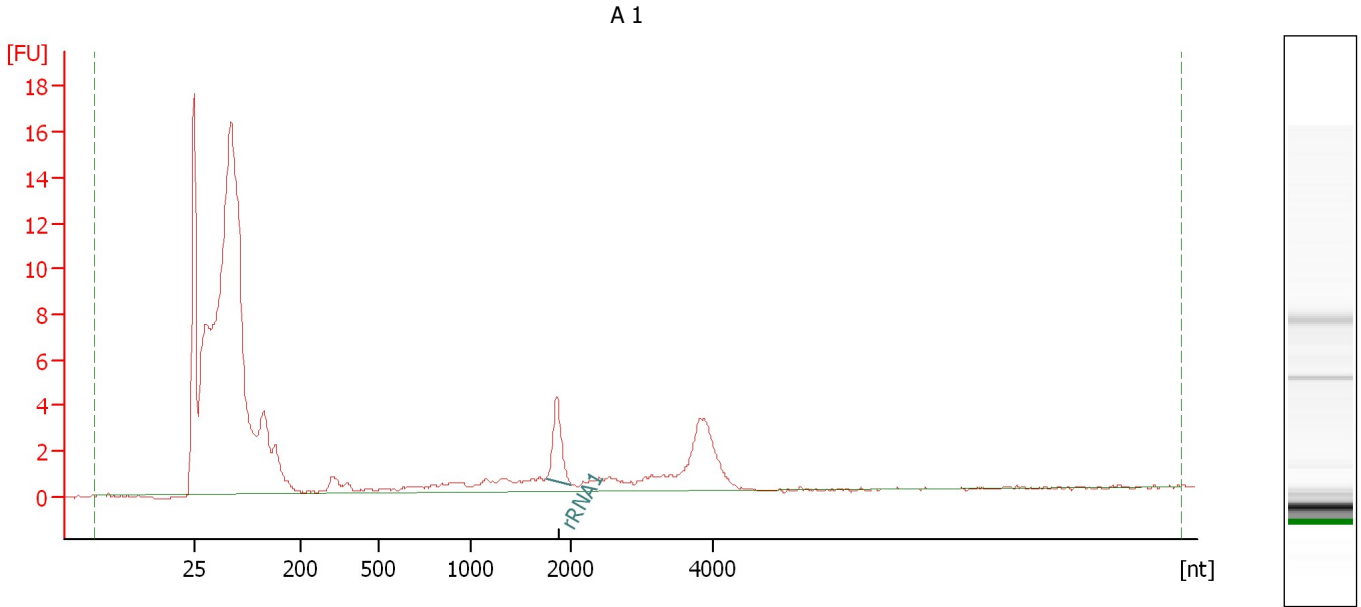
Overall Results for sample 6 : A 8

RNA Area: 155.9 rRNA Contamination: 0.0 %
RNA Concentration: 1,311 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 7 : A 1

RNA Area: 174.2 rRNA Contamination: 2.8 %
RNA Concentration: 1,465 pg/ μ l

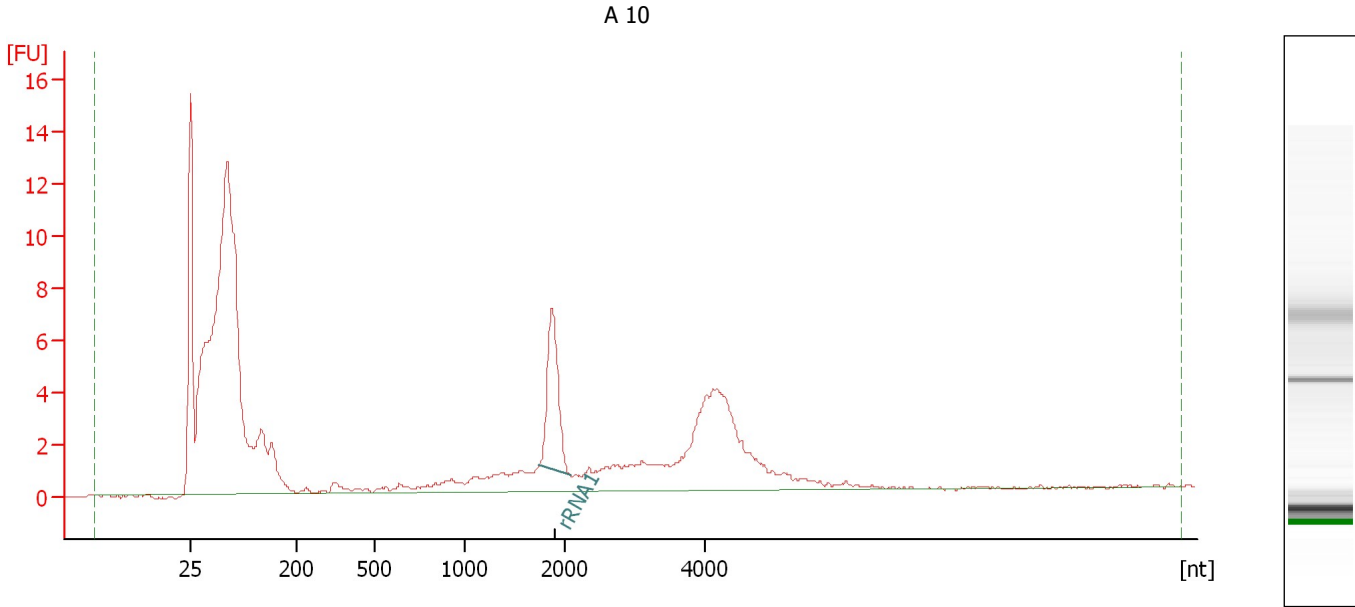
Fragment table for sample 7 : A 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,764	2,014	5.0	2.8

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Electropherogram Summary Continued ...



Overall Results for sample 8 : A 10

RNA Area: 174.0 rRNA Contamination: 6.2 %
RNA Concentration: 1,462 pg/μl

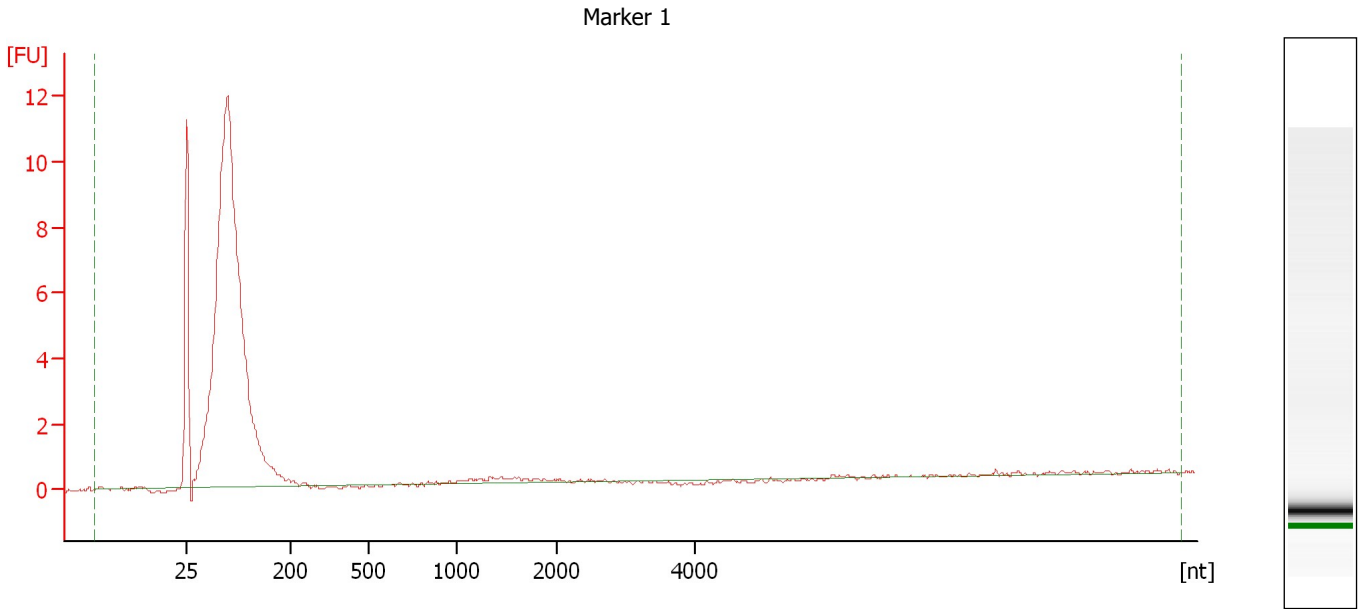
Fragment table for sample 8 : A 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,756	2,085	10.7	6.2

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Electropherogram Summary Continued ...



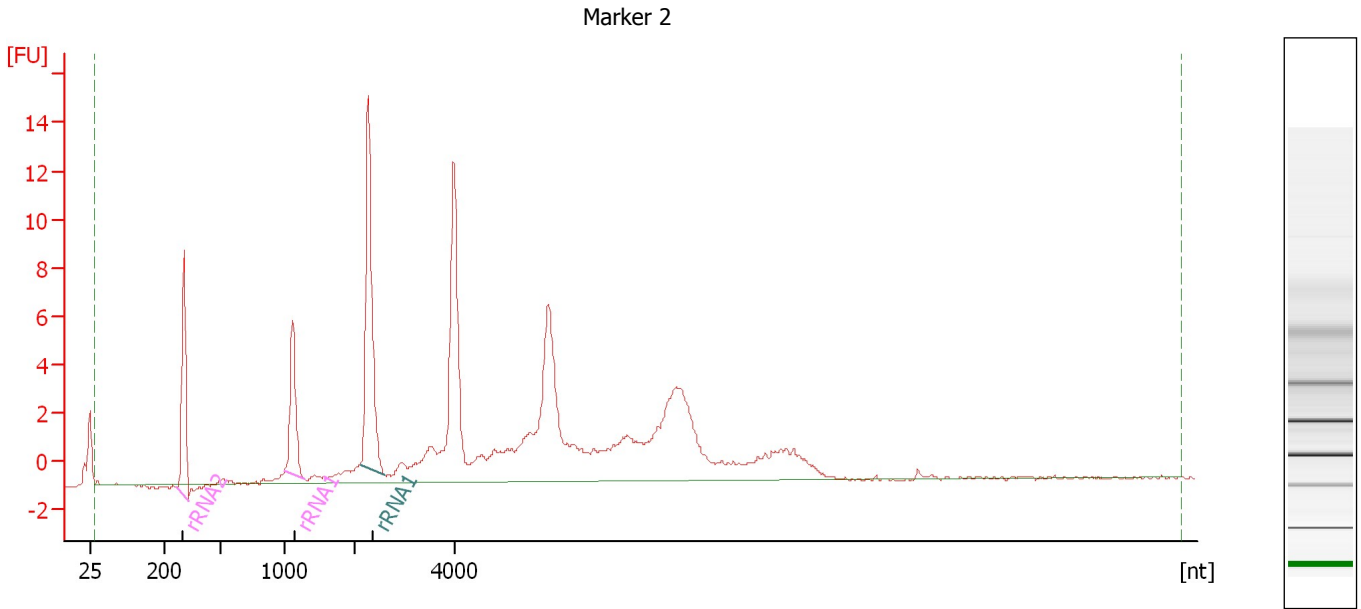
Overall Results for sample 9 : Marker 1

RNA Area:	93.6	rRNA Contamination:	0.0 %
RNA Concentration:	787 pg/ μ l		

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Marker 2

RNA Area: 149.2 rRNA Contamination: 29.0 %
RNA Concentration: 1,254 pg/μl

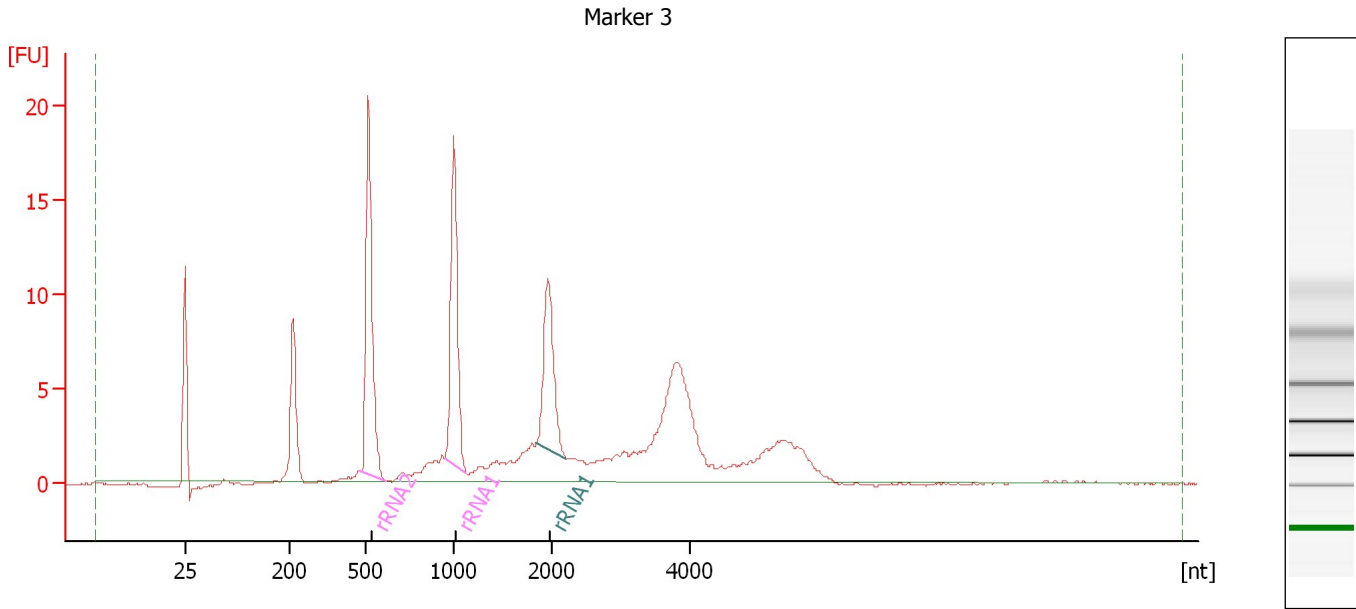
Fragment table for sample 10 : Marker 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	263	328	13.3	8.9
rRNA1	1,006	1,286	9.2	6.2
rRNA1	2,102	2,597	20.7	13.9

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Marker 3

RNA Area: 162.6 rRNA Contamination: 38.3 %
RNA Concentration: 1,367 pg/μl

Fragment table for sample 11 : Marker 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	478	609	26.3	16.2
rRNA1	950	1,130	21.5	13.2
rRNA1	1,845	2,208	14.5	8.9

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Gel Image