

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-08\2017-11-08_001.xad

Created: 11/8/2017 10:29:07 AM
Modified: 11/8/2017 10:49:18 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\Plant RNA Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

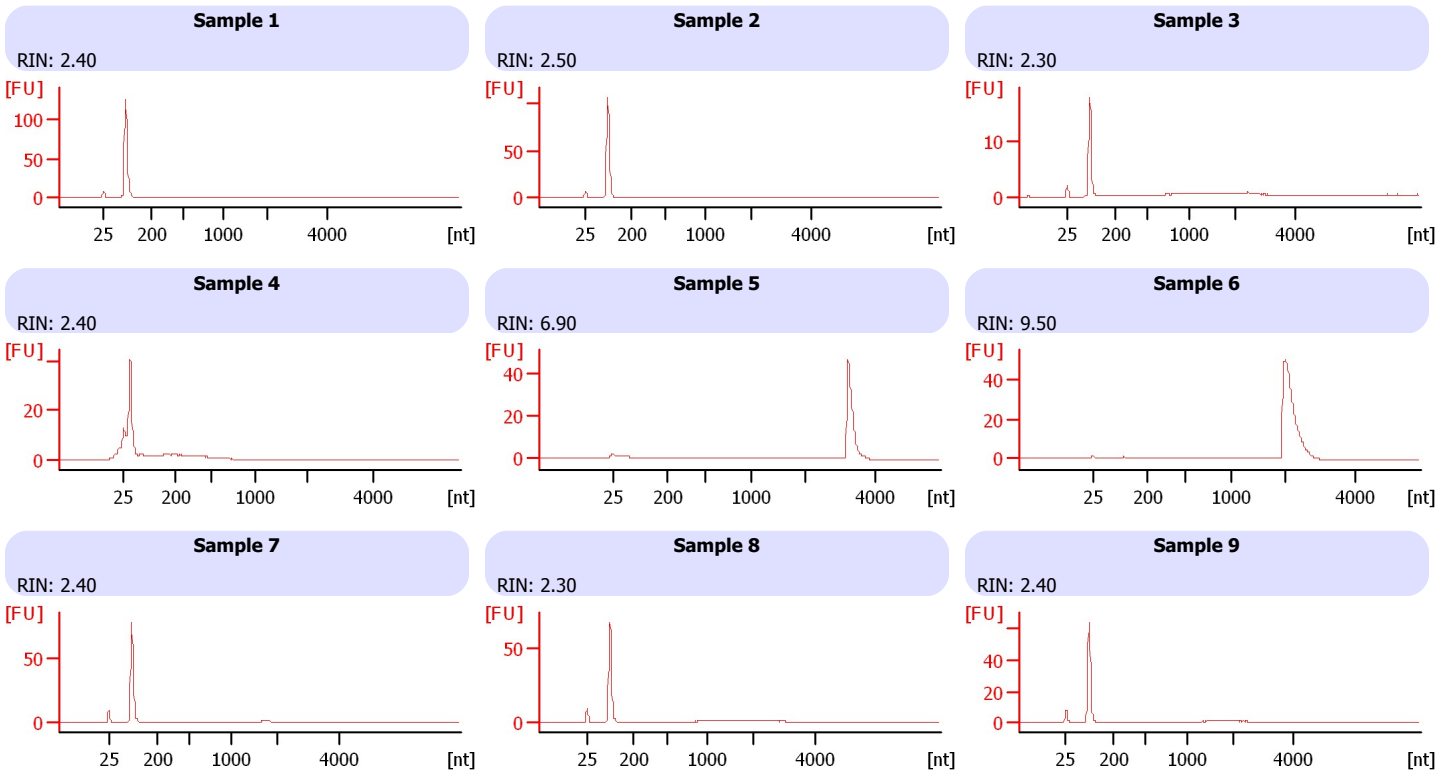
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Chip Information:

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
Sample 1		✓	RIN: 2.40	
Sample 2		✓	RIN: 2.50	
Sample 3		✓	RIN: 2.30	
Sample 4		✓	RIN: 2.40	
Sample 5		✓	RIN: 6.90	
Sample 6		✓	RIN: 9.50	
Sample 7		✓	RIN: 2.40	
Sample 8		✓	RIN: 2.30	
Sample 9		✓	RIN: 2.40	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

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] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

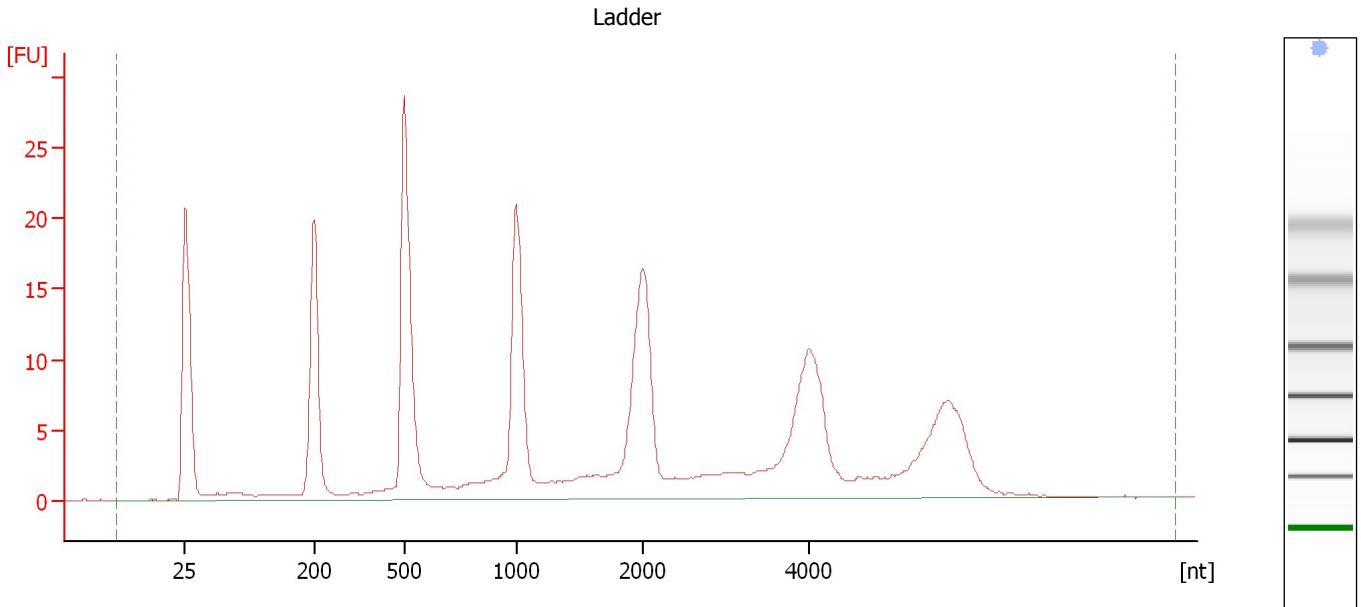
Ladder

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

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Electropherogram Summary



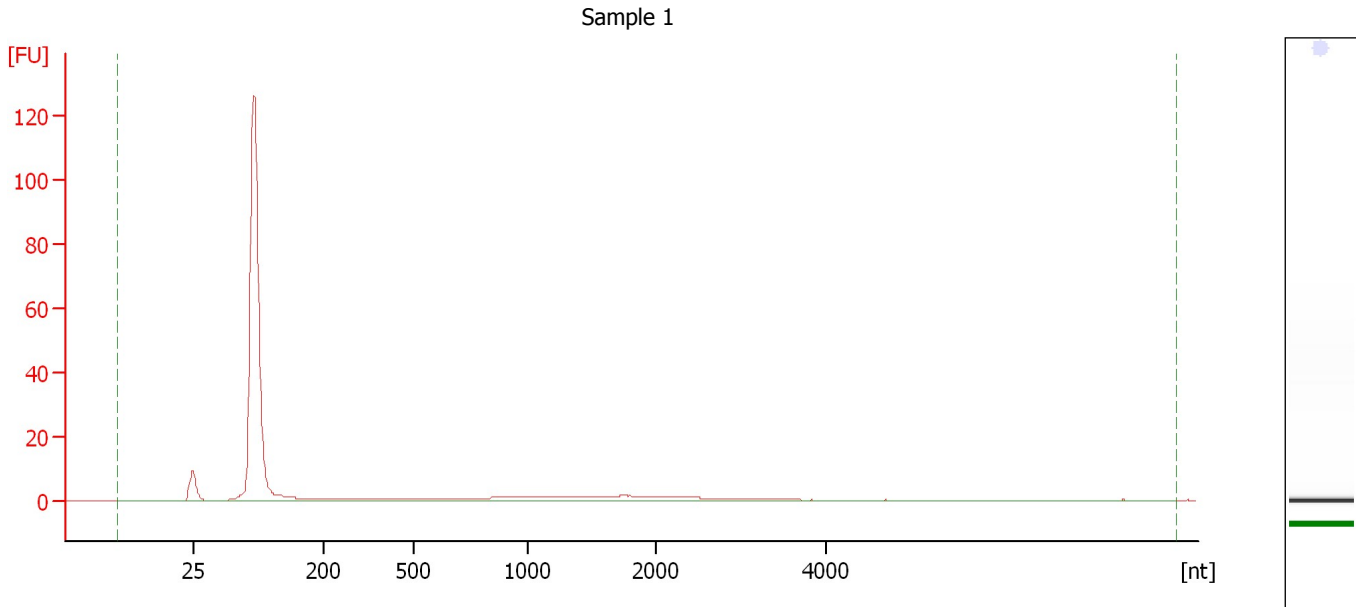
Overall Results for Ladder

RNA Area:	269.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...



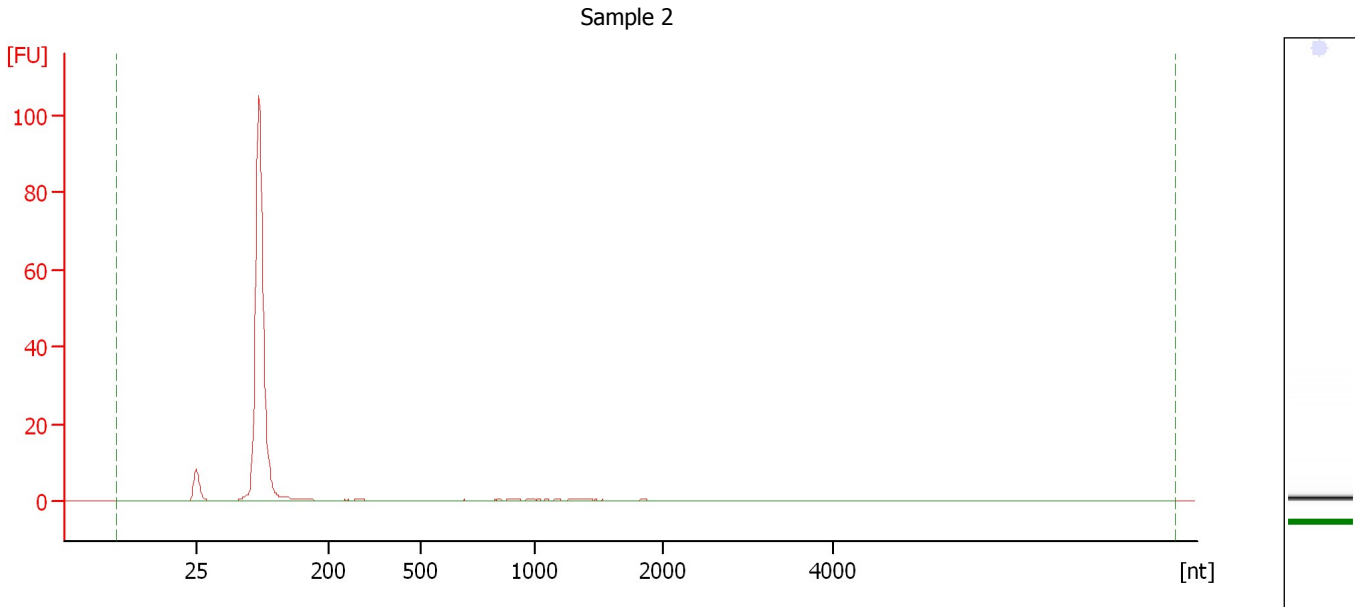
Overall Results for sample 1 : Sample 1

RNA Area:	275.6	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,024 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Created: 11/8/2017 10:29:07 AM
Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

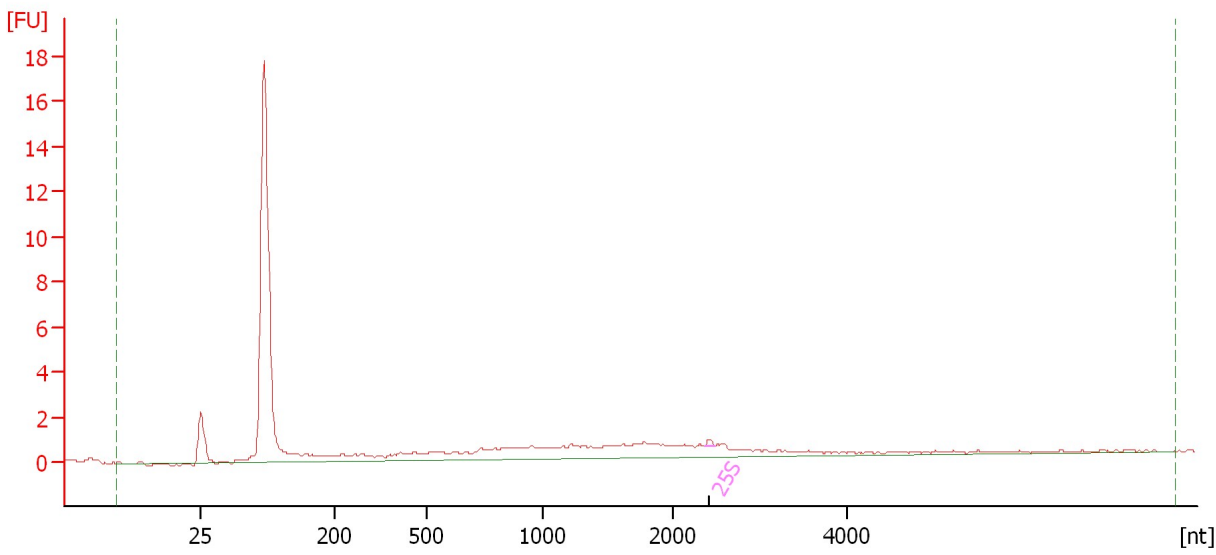
RNA Area:	197.0	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	732 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Created: 11/8/2017 10:29:07 AM
Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...

Sample 3



Overall Results for sample 3 : Sample 3

RNA Area:	54.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	203 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 3 : Sample 3

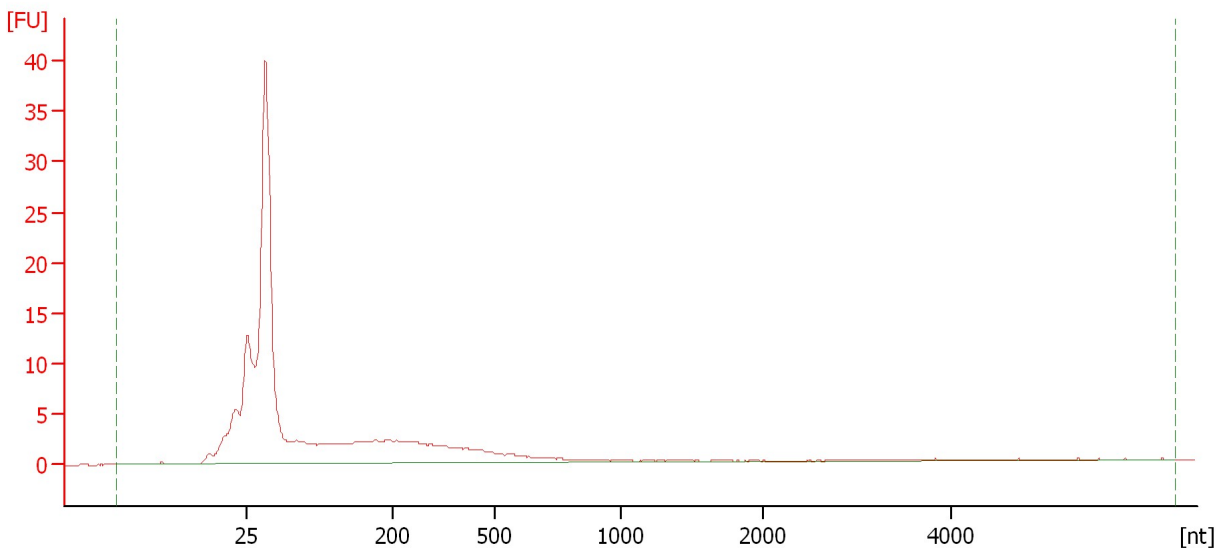
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,358	2,482	0.2	0.3

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Created: 11/8/2017 10:29:07 AM
Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

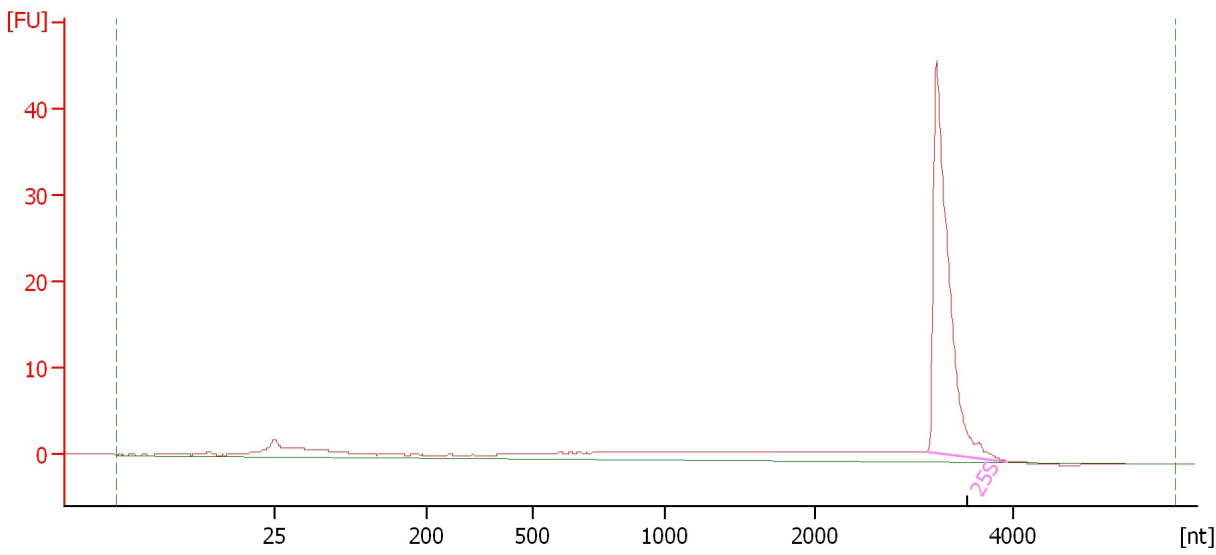
RNA Area:	156.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	581 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Created: 11/8/2017 10:29:07 AM
Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

RNA Area:	122.6	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	455 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90

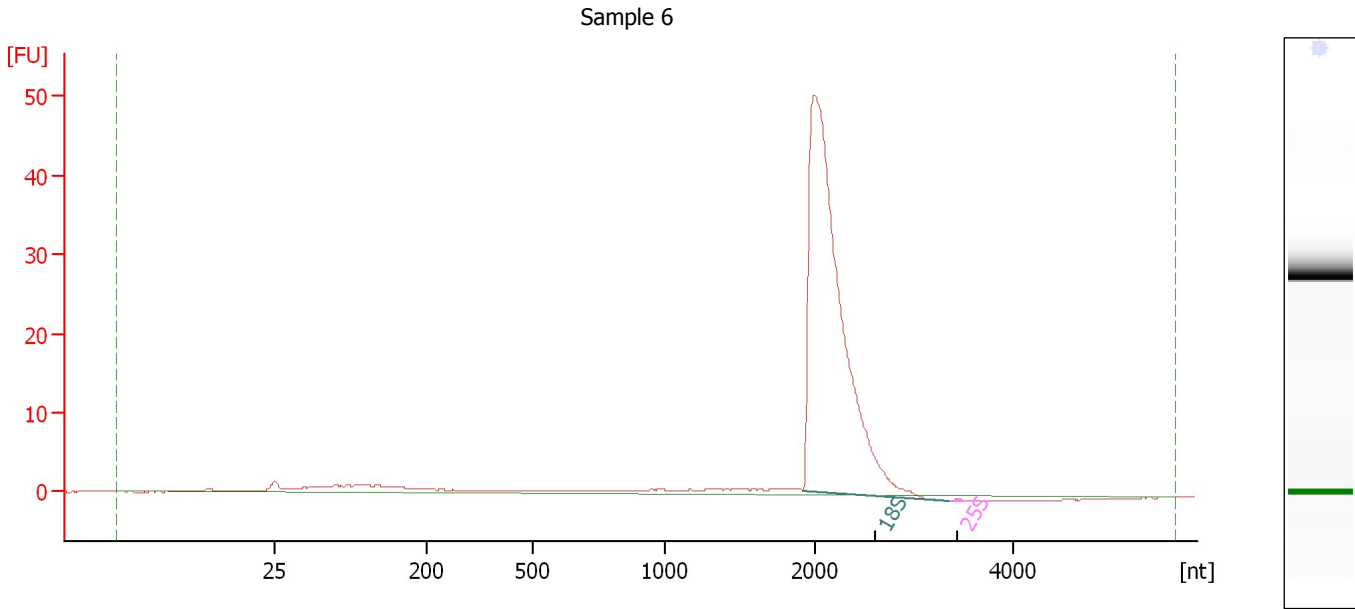
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	3,135	3,948	63.6	51.9

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Created: 11/8/2017 10:29:07 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	204.9	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	761 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 9.50

Fragment table for sample 6 : Sample 6

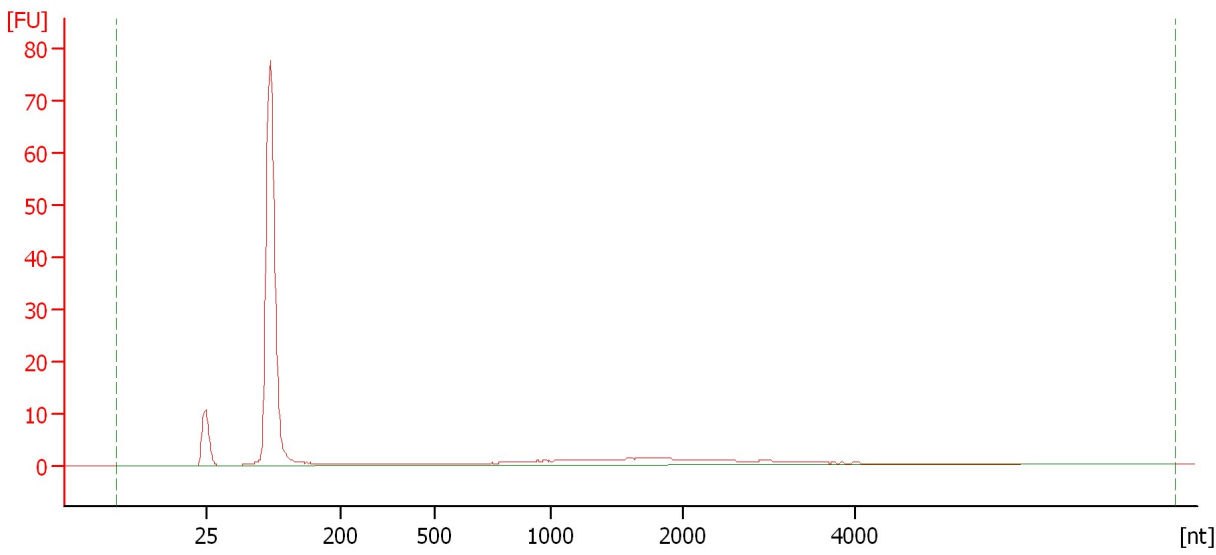
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,919	3,352	163.9	80.0
25S	3,373	3,525	0.2	0.1

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Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

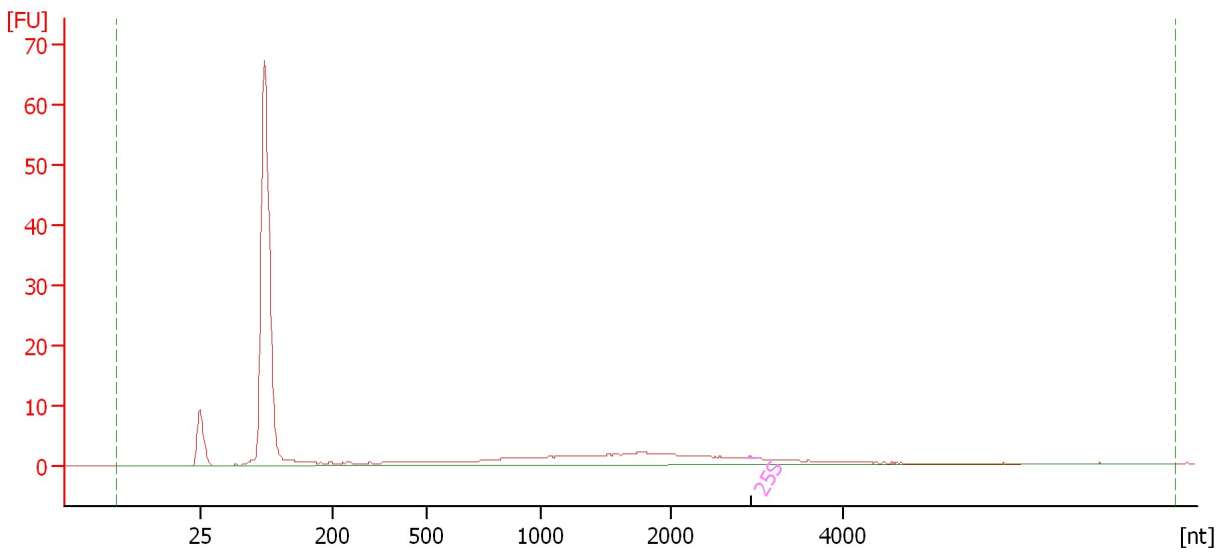
RNA Area:	177.0	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	657 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

RNA Area:	183.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	681 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 8 : Sample 8

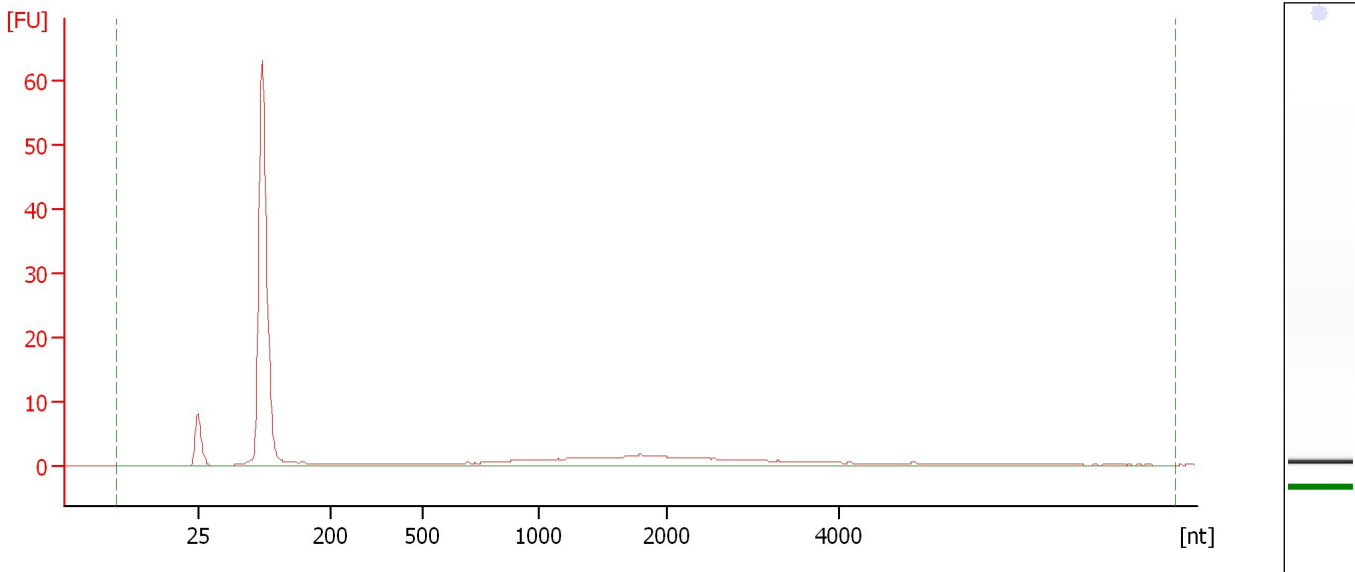
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,868	2,980	0.1	0.1

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Modified: 11/8/2017 10:49:18 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

RNA Area:	163.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	606 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Modified: 11/8/2017 10:49:18 AM

Gel Image

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Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.