

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-18\2017-09-18_006.xad

Created: 9/18/2017 3:06:51 PM
Modified: 9/18/2017 3:32:44 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

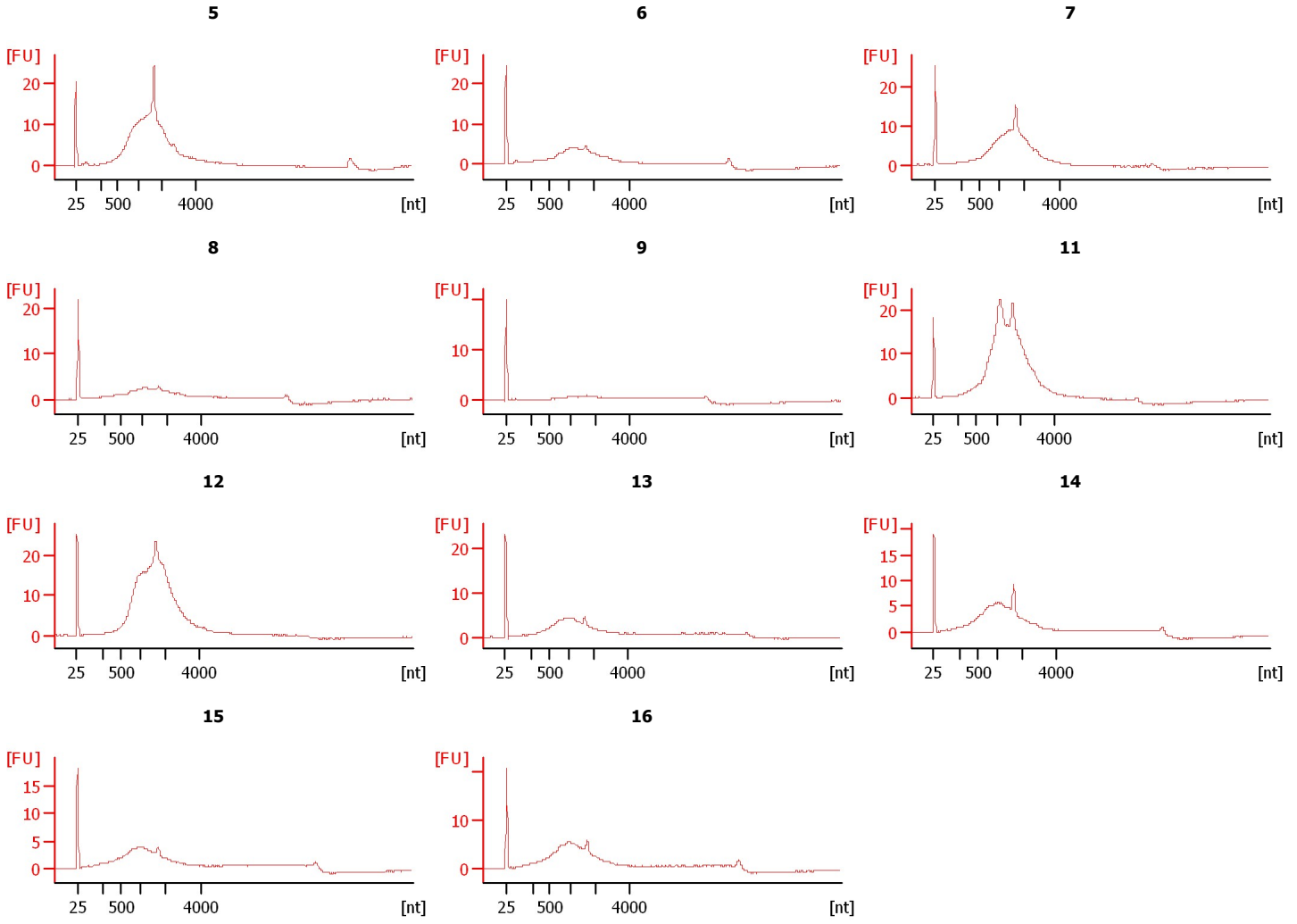
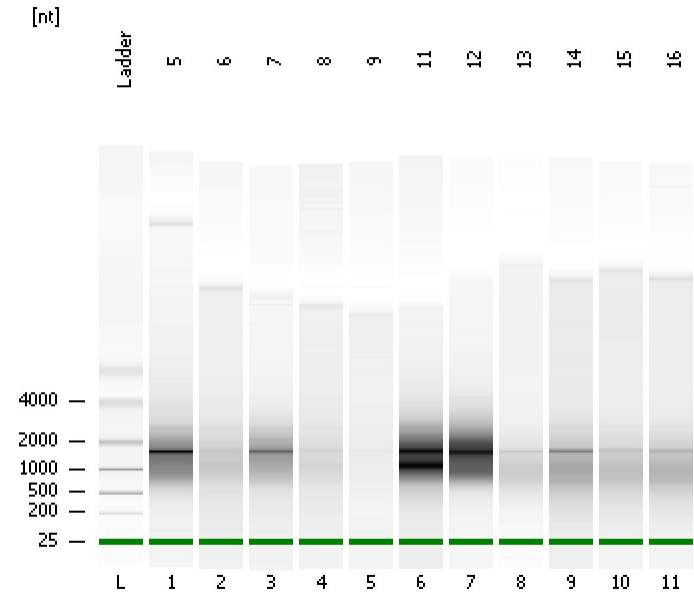
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
5		✓		
6		✓		
7		✓		
8		✓		
9		✓		
11		✓		
12		✓		
13		✓		
14		✓		
15		✓		
16		✓		
Ladder		✓		

Chip Lot #

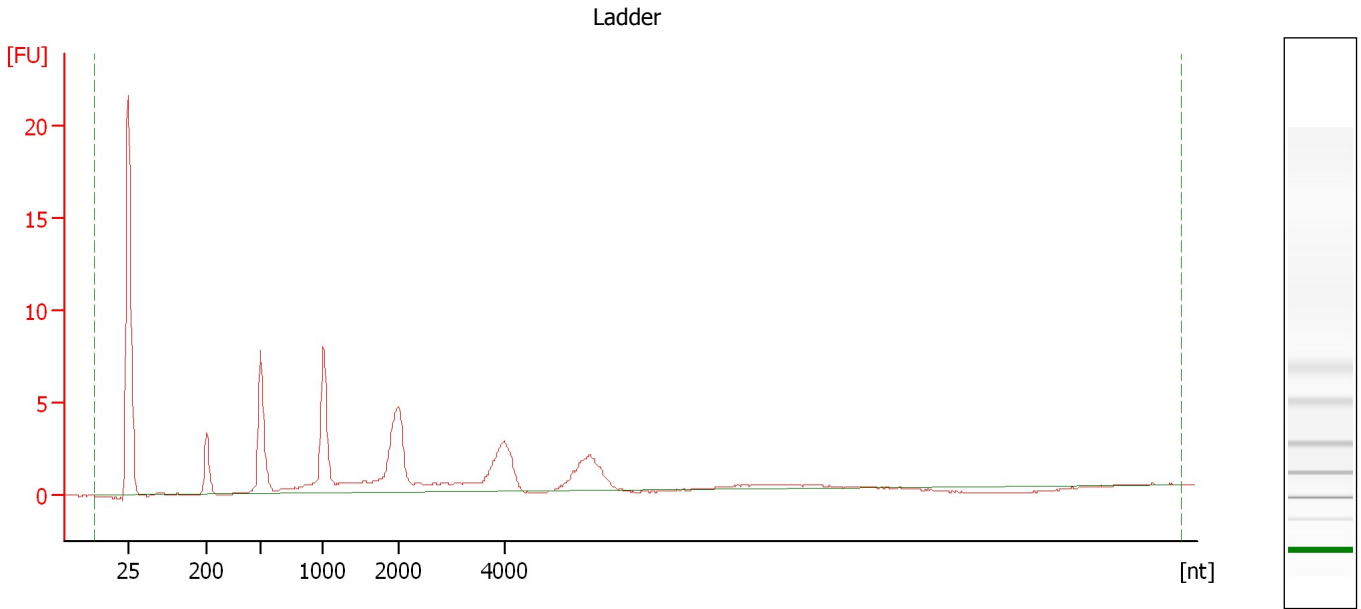
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

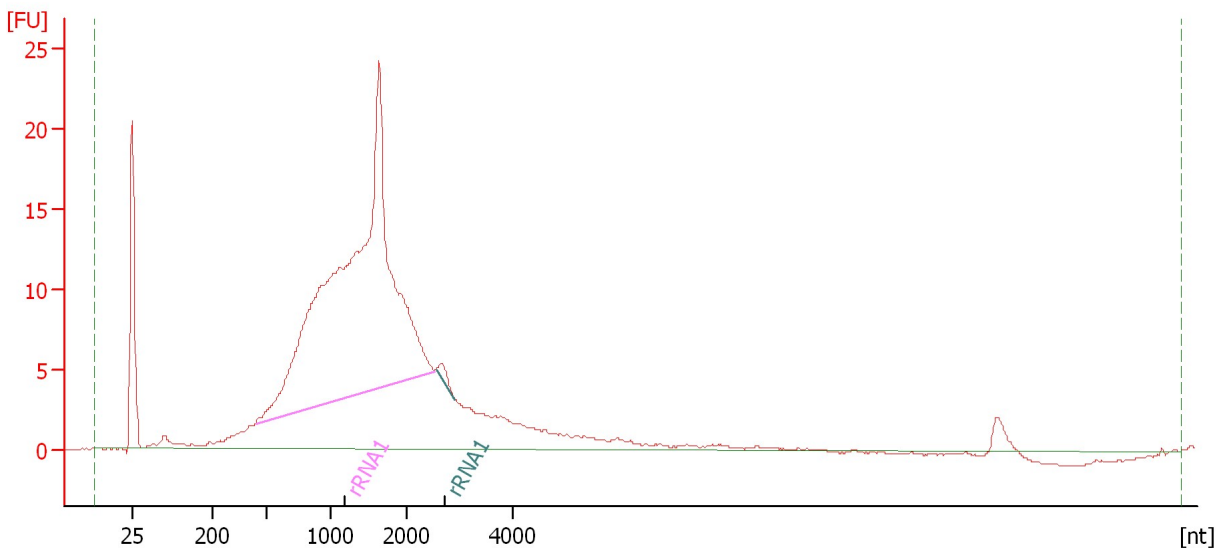
RNA Area: 75.6 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

5



Overall Results for sample 1 : 5

RNA Area: 384.4 rRNA Contamination: 70.3 %
RNA Concentration: 5,087 pg/μl

Fragment table for sample 1 : 5

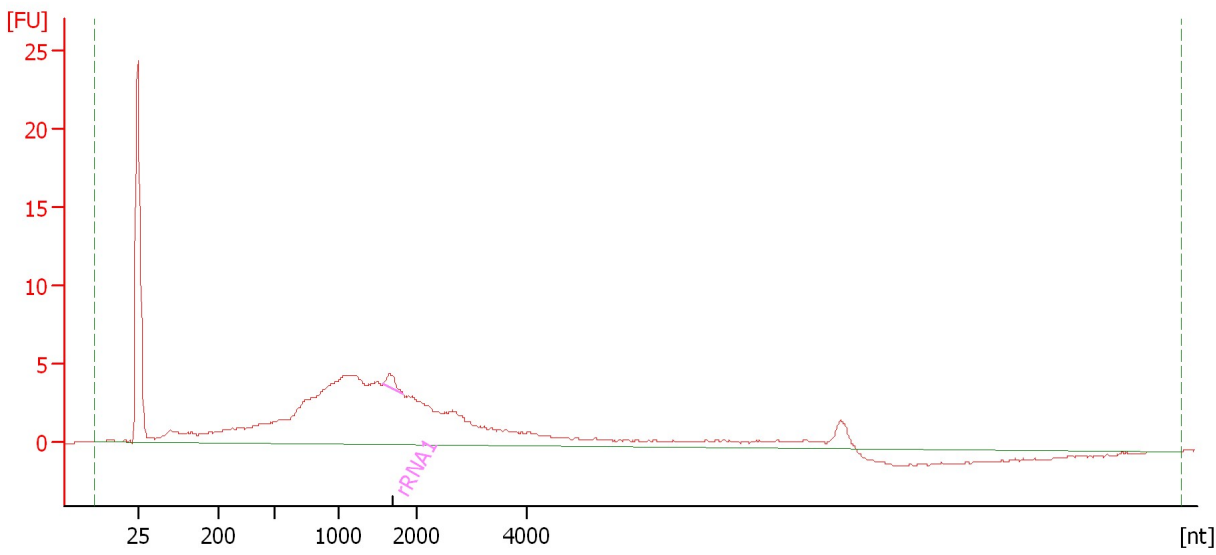
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	441	2,527	197.7	51.4
rRNA2	958	2,527	70.6	18.4
rRNA1	2,557	2,916	1.8	0.5

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Electropherogram Summary Continued ...

6



Overall Results for sample 2 : 6

RNA Area: 168.8 rRNA Contamination: 0.8 %
RNA Concentration: 2,234 pg/μl

Fragment table for sample 2 : 6

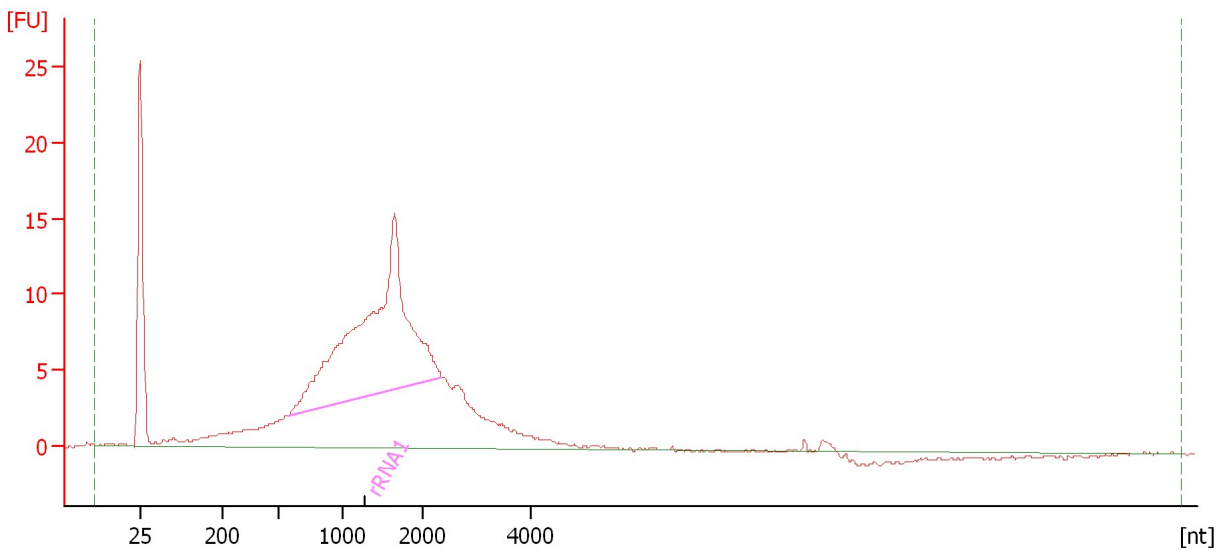
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,564	1,811	1.4	0.8

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Electropherogram Summary Continued ...

7



Overall Results for sample 3 : 7

RNA Area: 272.2 rRNA Contamination: 57.6 %
RNA Concentration: 3,602 pg/μl

Fragment table for sample 3 : 7

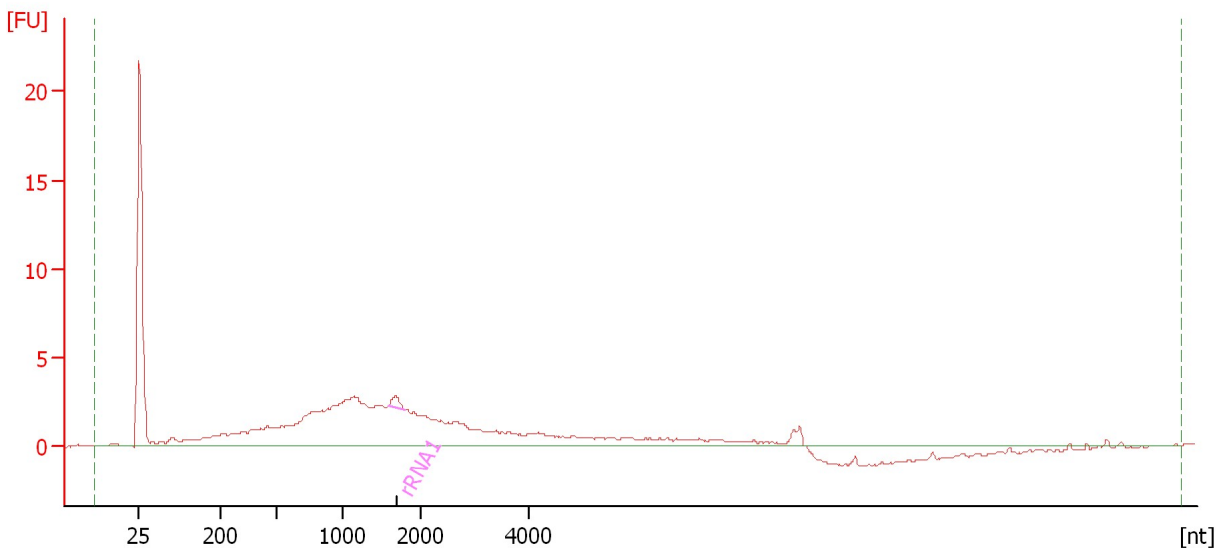
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	585	2,362	107.4	39.4
rRNA2	977	2,362	49.3	18.1

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Electropherogram Summary Continued ...

8



Overall Results for sample 4 : 8

RNA Area: 111.2 rRNA Contamination: 0.8 %
RNA Concentration: 1,472 pg/μl

Fragment table for sample 4 : 8

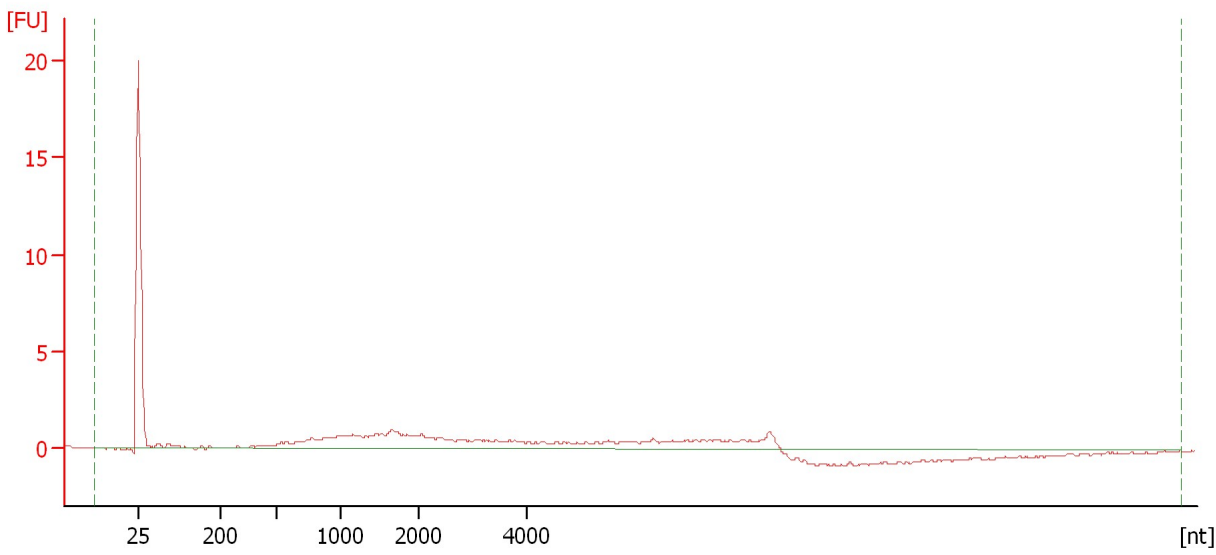
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,599	1,803	0.9	0.8

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Electropherogram Summary Continued ...

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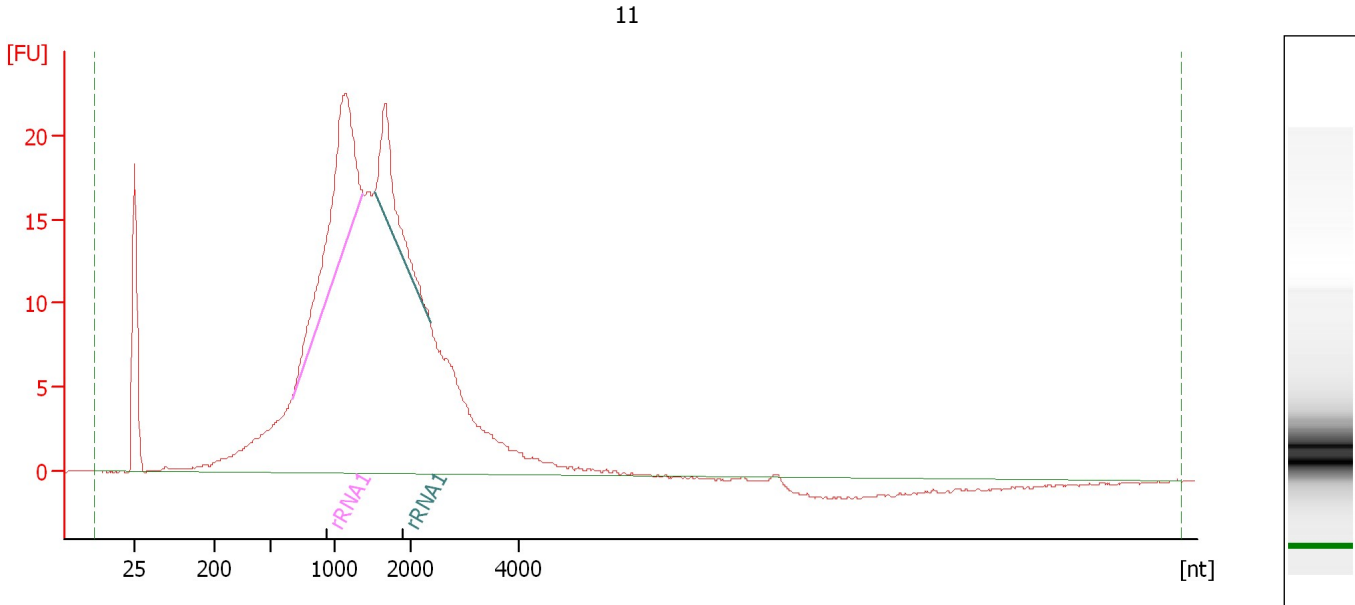
Overall Results for sample 5 : 9

RNA Area:	38.0	rRNA Contamination:	0.0 %
RNA Concentration:	503 pg/μl		

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 11

RNA Area: 496.0 rRNA Contamination: 14.6 %
RNA Concentration: 6,564 pg/μl

Fragment table for sample 6 : 11

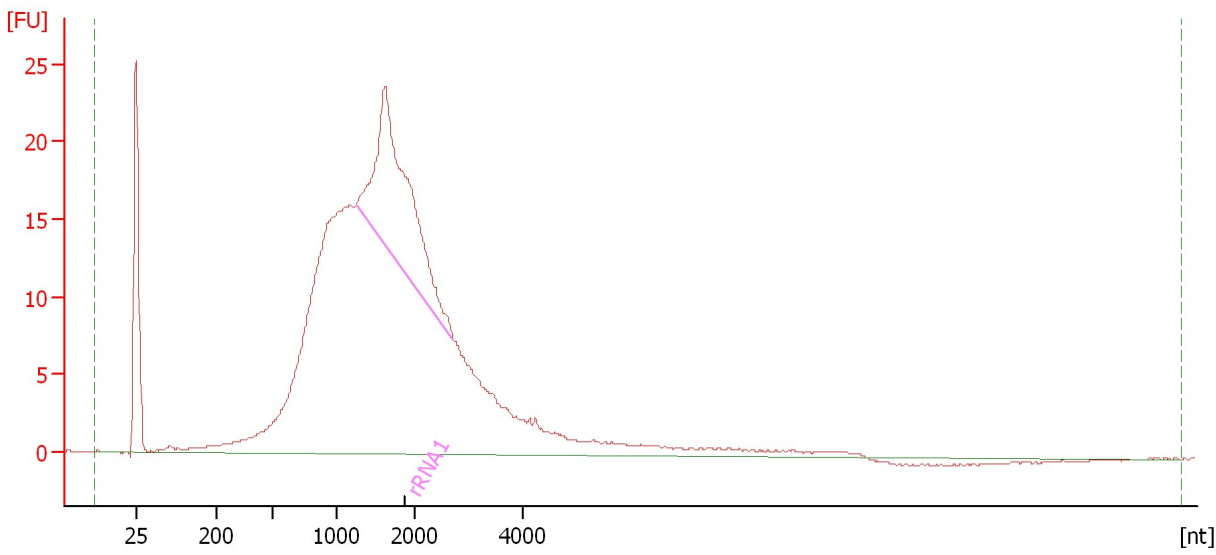
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	675	1,380	52.4	10.6
rRNA1	1,526	2,362	20.1	4.1

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Electropherogram Summary Continued ...

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Overall Results for sample 7 : 12

RNA Area: 542.5 rRNA Contamination: 13.2 %
RNA Concentration: 7,180 pg/μl

Fragment table for sample 7 : 12

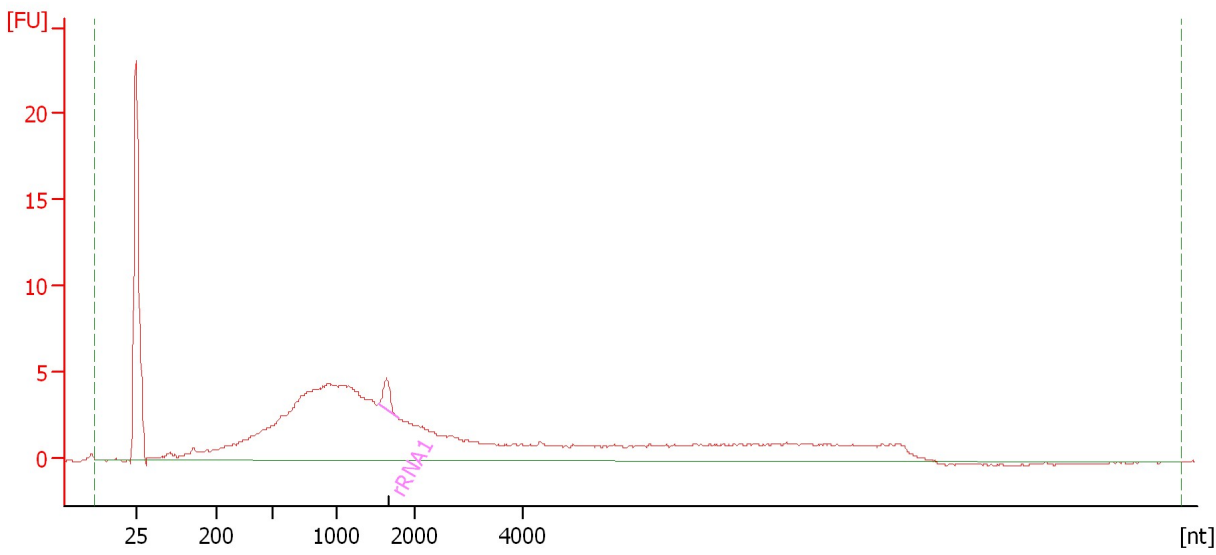
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,250	2,731	71.4	13.2

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Electropherogram Summary Continued ...

13



Overall Results for sample 8 : 13

RNA Area: 181.3 rRNA Contamination: 1.4 %
RNA Concentration: 2,399 pg/μl

Fragment table for sample 8 : 13

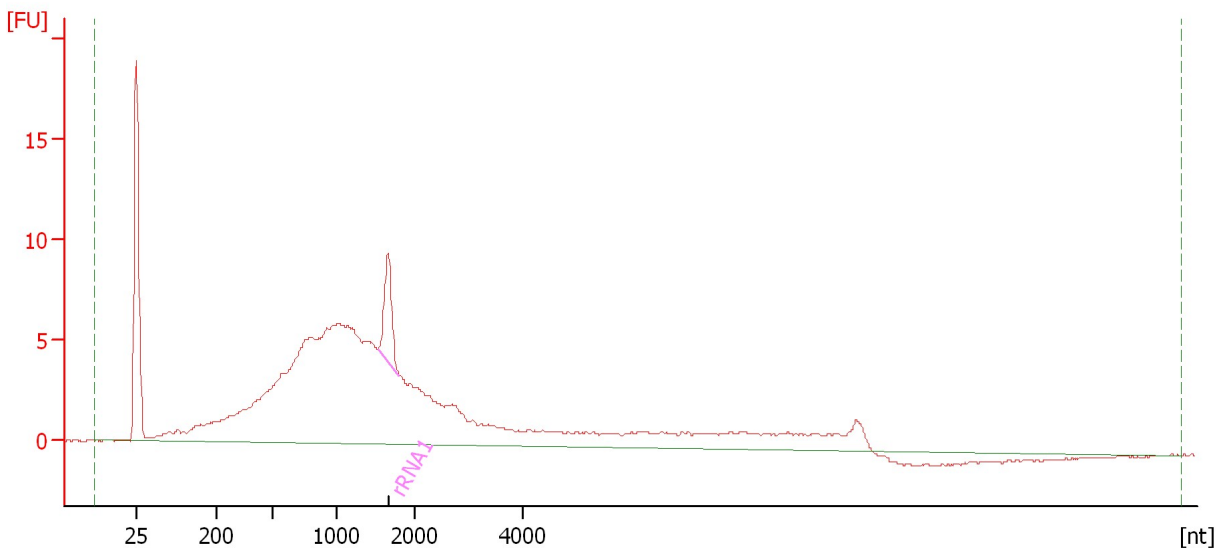
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,550	1,788	2.5	1.4

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Electropherogram Summary Continued ...

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Overall Results for sample 9 : 14

RNA Area: 233.1 rRNA Contamination: 3.6 %
RNA Concentration: 3,085 pg/μl

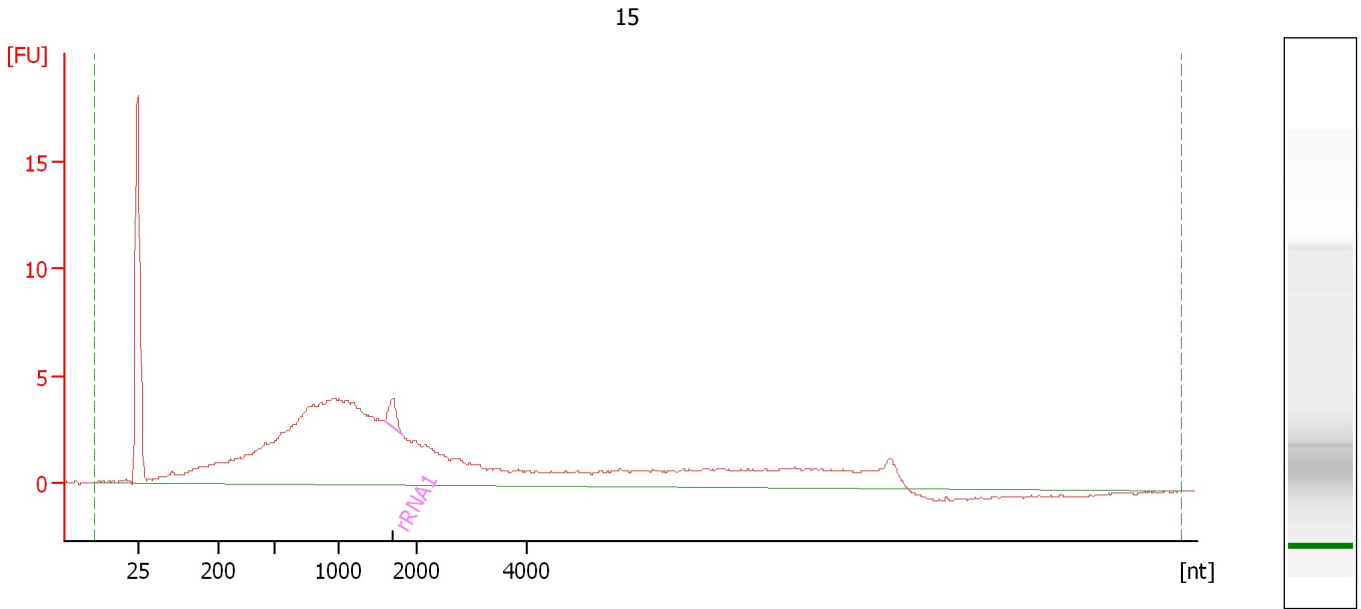
Fragment table for sample 9 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,540	1,809	8.3	3.6

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 15

RNA Area: 173.6 rRNA Contamination: 1.2 %
RNA Concentration: 2,298 pg/μl

Fragment table for sample 10 : 15

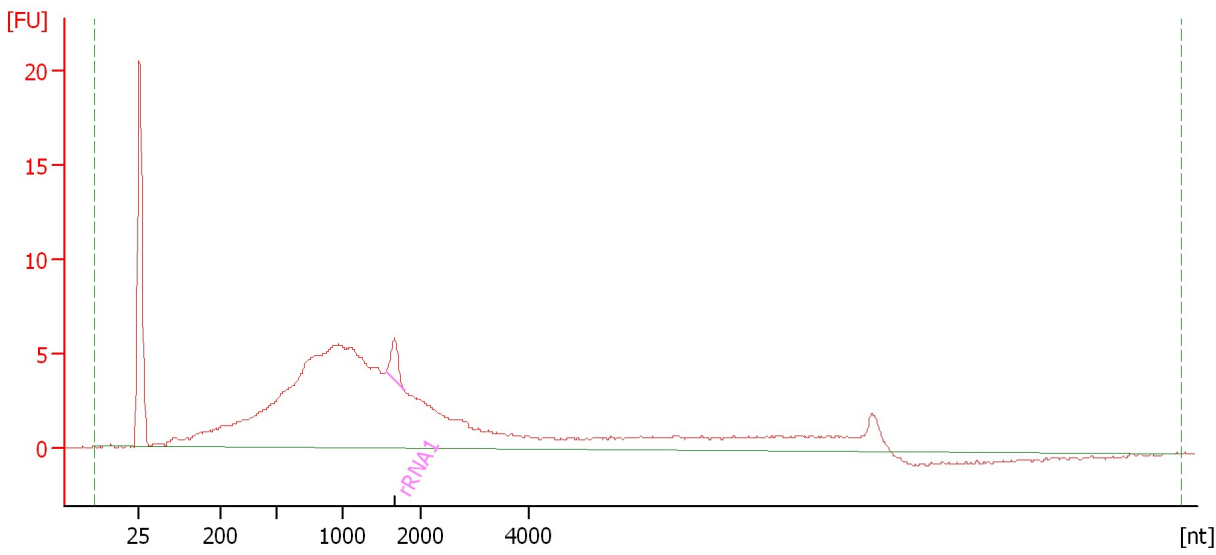
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,585	1,801	2.1	1.2

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Electropherogram Summary Continued ...

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Overall Results for sample 11 : 16

RNA Area: 205.5 rRNA Contamination: 1.6 %
RNA Concentration: 2,719 pg/μl

Fragment table for sample 11 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,568	1,793	3.2	1.6

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Gel Image

