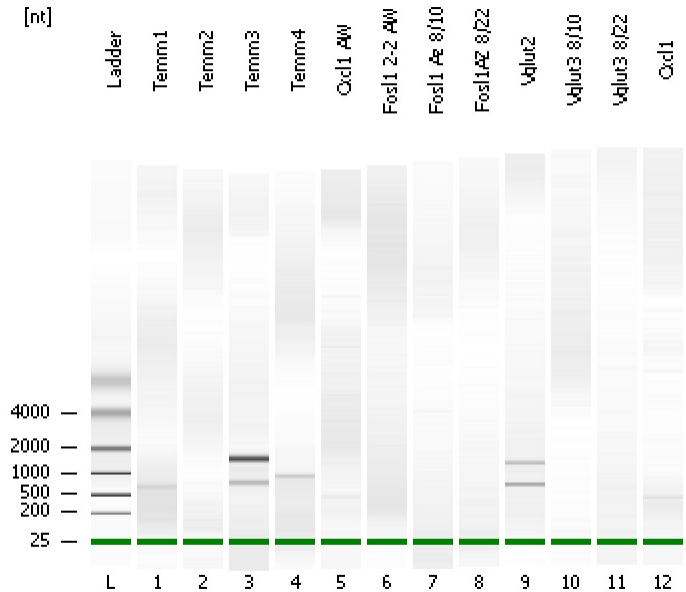


Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

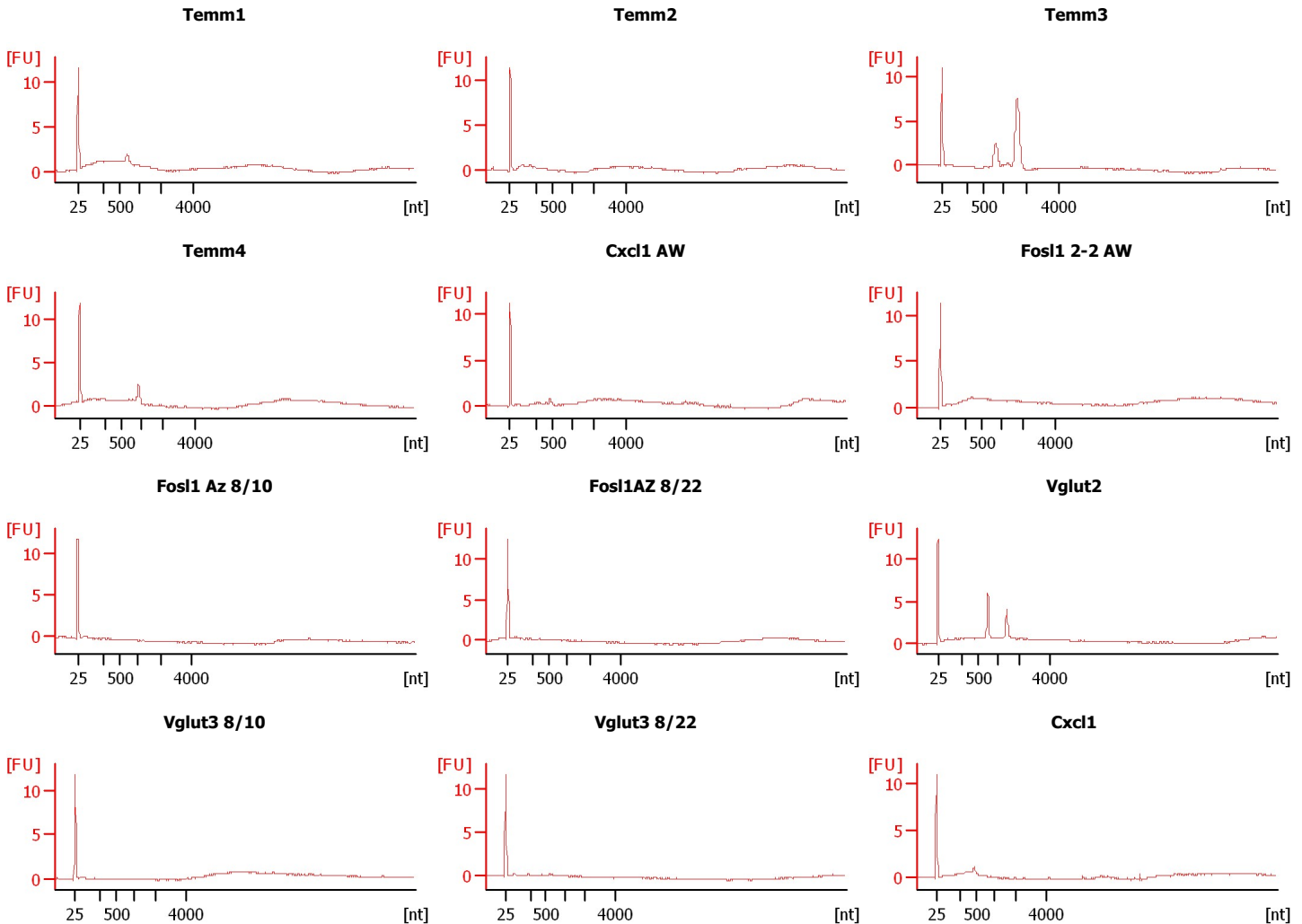
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Nano Series II.xsy

Assay Class: mRNA Nano
Version: 2.5
Assay Comments: mRNA Analysis ng sensitivity

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Chip Information:

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



Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Tem1		✓		
Tem2		✓		
Tem3		✓		
Tem4		✓		
Cxcl1 AW		✓		
Fosl1 2-2 AW		✓		
Fosl1 Az 8/10		✓		
Fosl1AZ 8/22		✓		
Vglut2		✓		
Vglut3 8/10		✓		
Vglut3 8/22		✓		
Cxcl1		✓		
Ladder		✓		

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

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/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

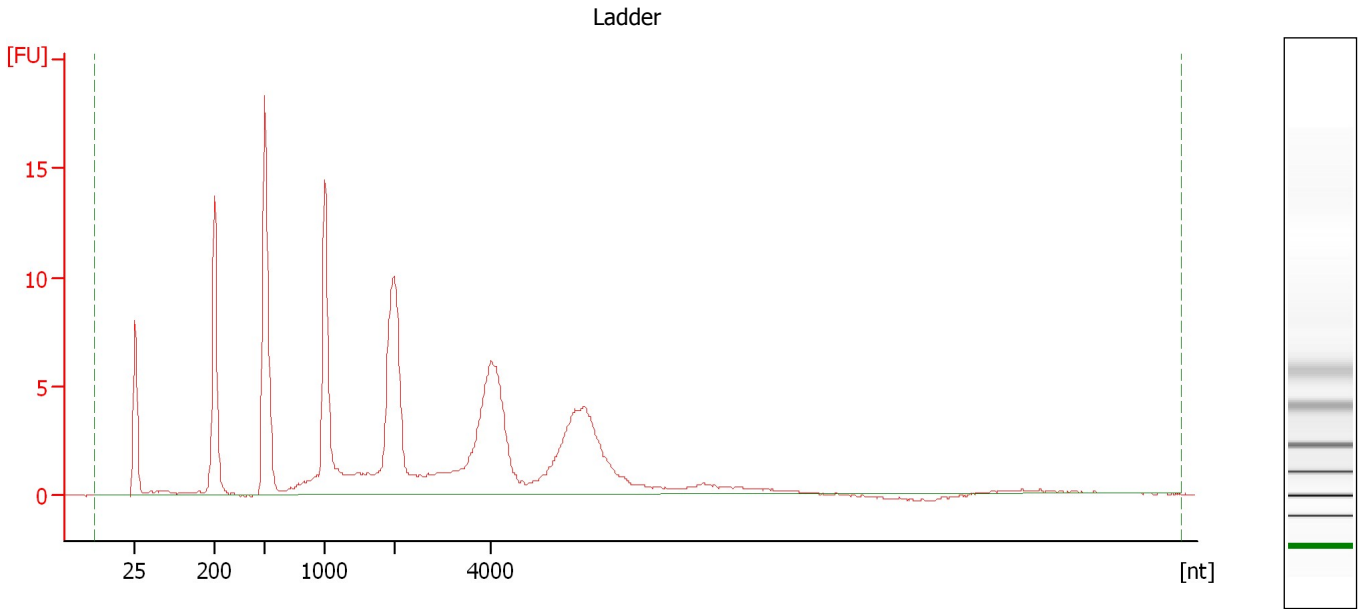
Ladder

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

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary



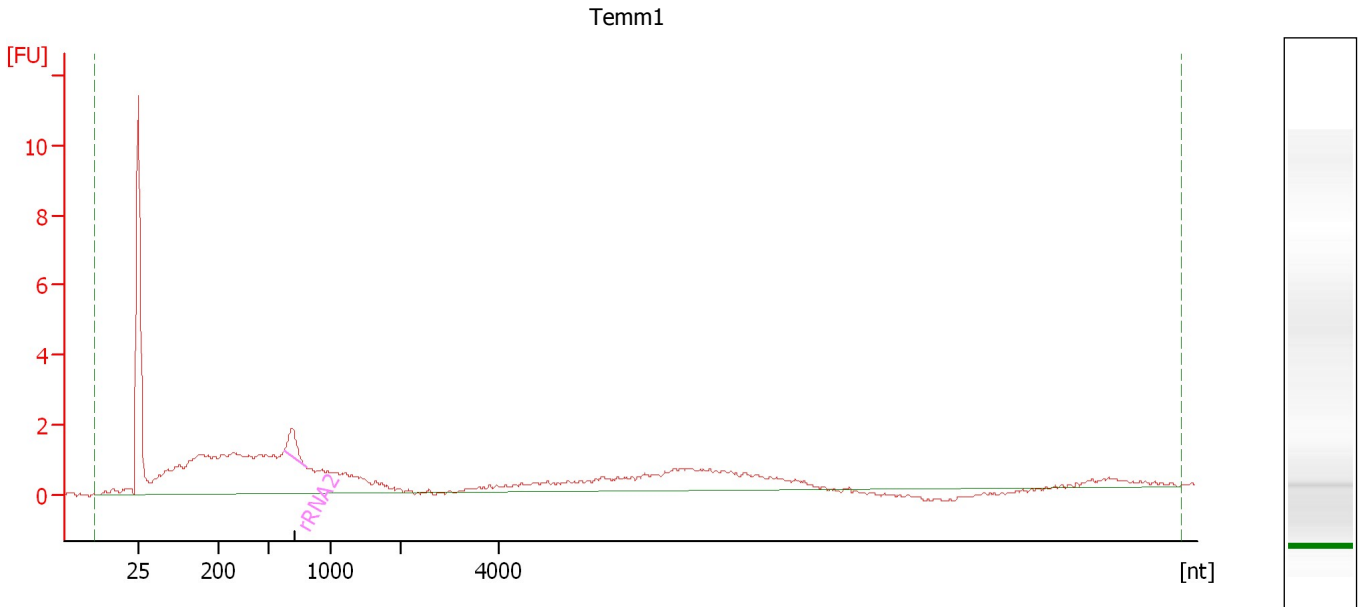
Overall Results for Ladder

RNA Area: 179.8 RNA Concentration: 150 ng/μl

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Temm1

RNA Area: 63.3 rRNA Contamination: 2.8 %
RNA Concentration: 53 ng/μl

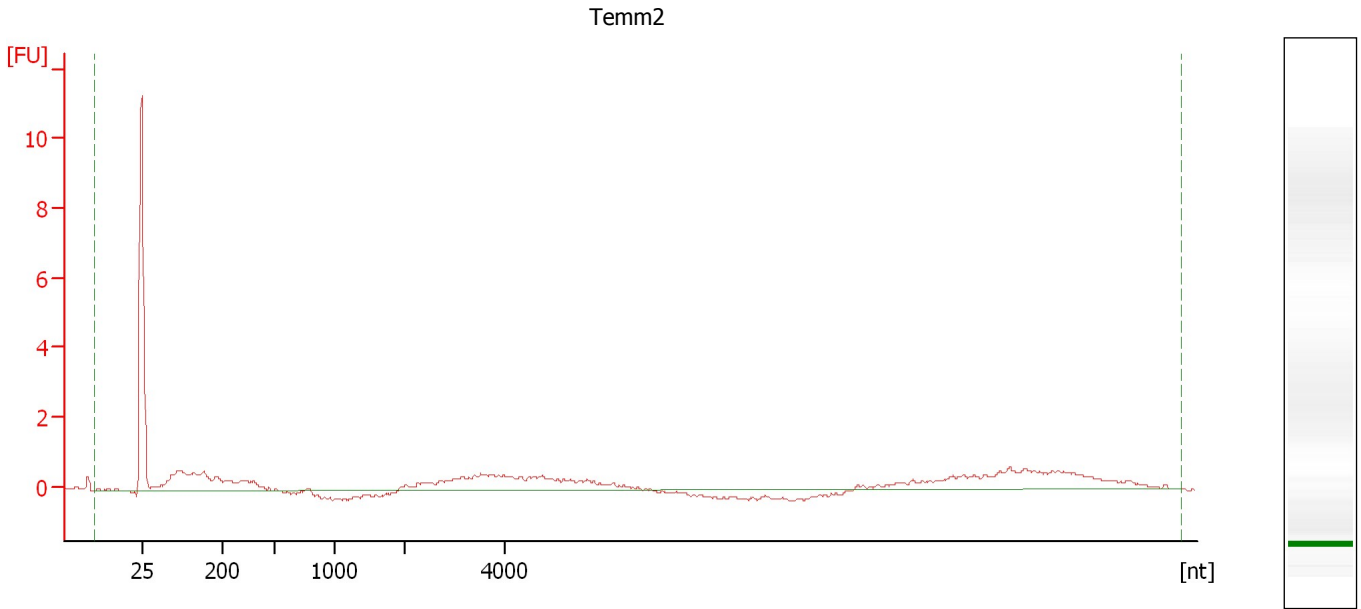
Fragment table for sample 1 : Temm1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	625	801	1.7	2.8

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
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Electropherogram Summary Continued ...



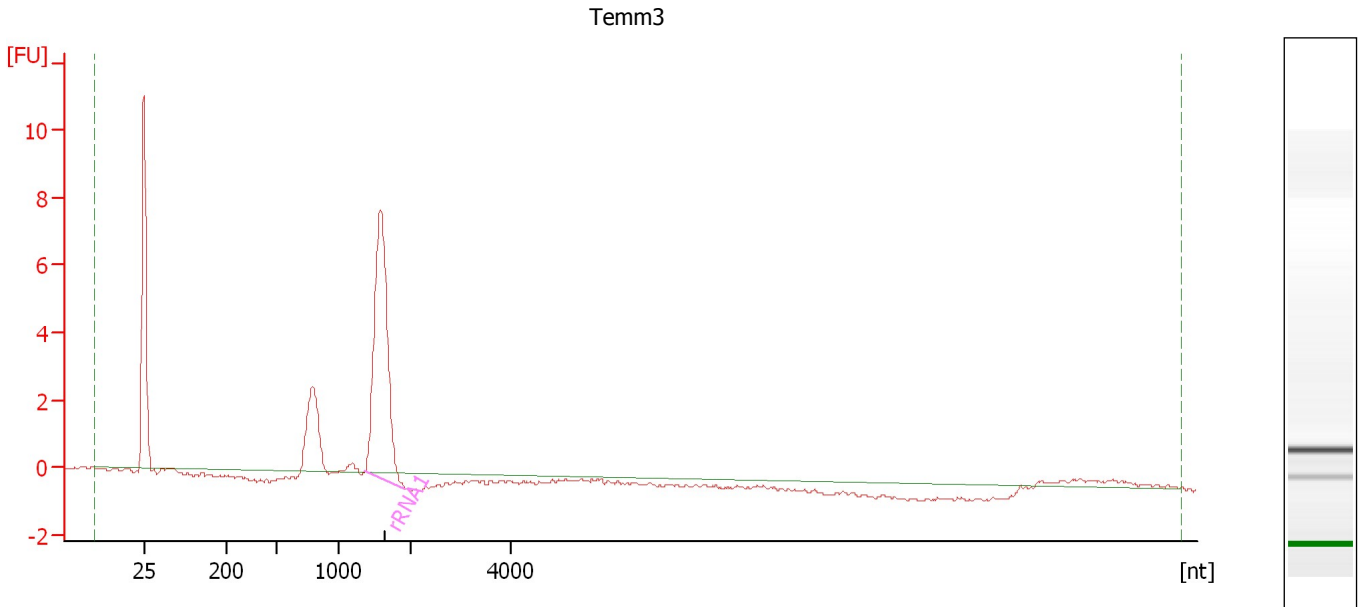
Overall Results for sample 2 : Temm2

RNA Area:	26.9	rRNA Contamination:	0.0 %
RNA Concentration:	22 ng/μl		

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Temm3

RNA Area: 30.1 rRNA Contamination: 74.9 %
RNA Concentration: 25 ng/μl

Fragment table for sample 3 : Temm3

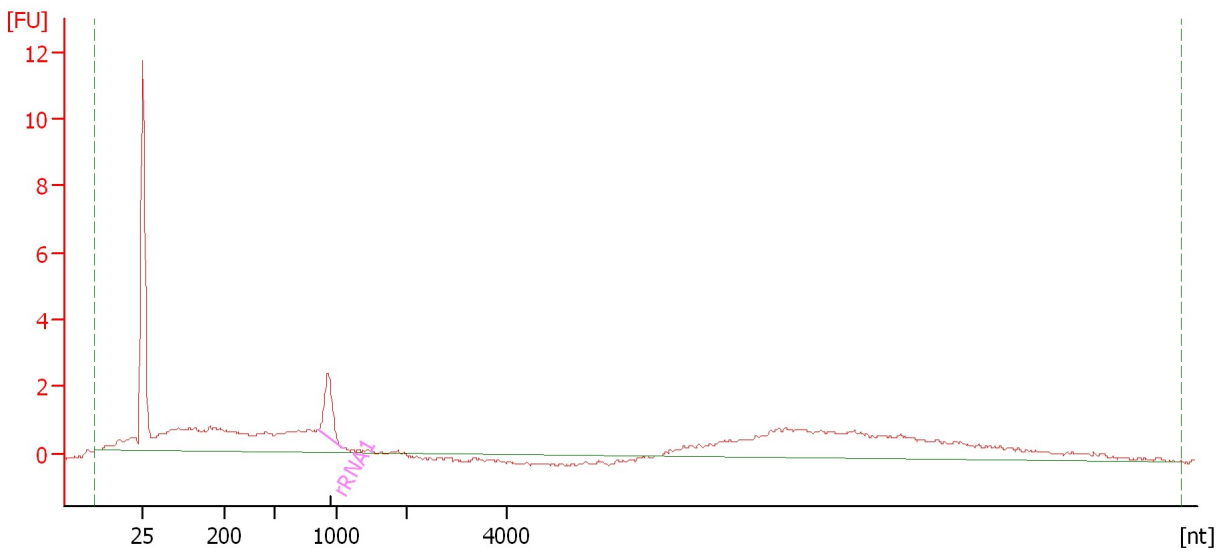
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,360	1,925	22.6	74.9

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Temmm4



Overall Results for sample 4 : Temmm4

RNA Area: 56.8 rRNA Contamination: 6.2 %
RNA Concentration: 47 ng/μl

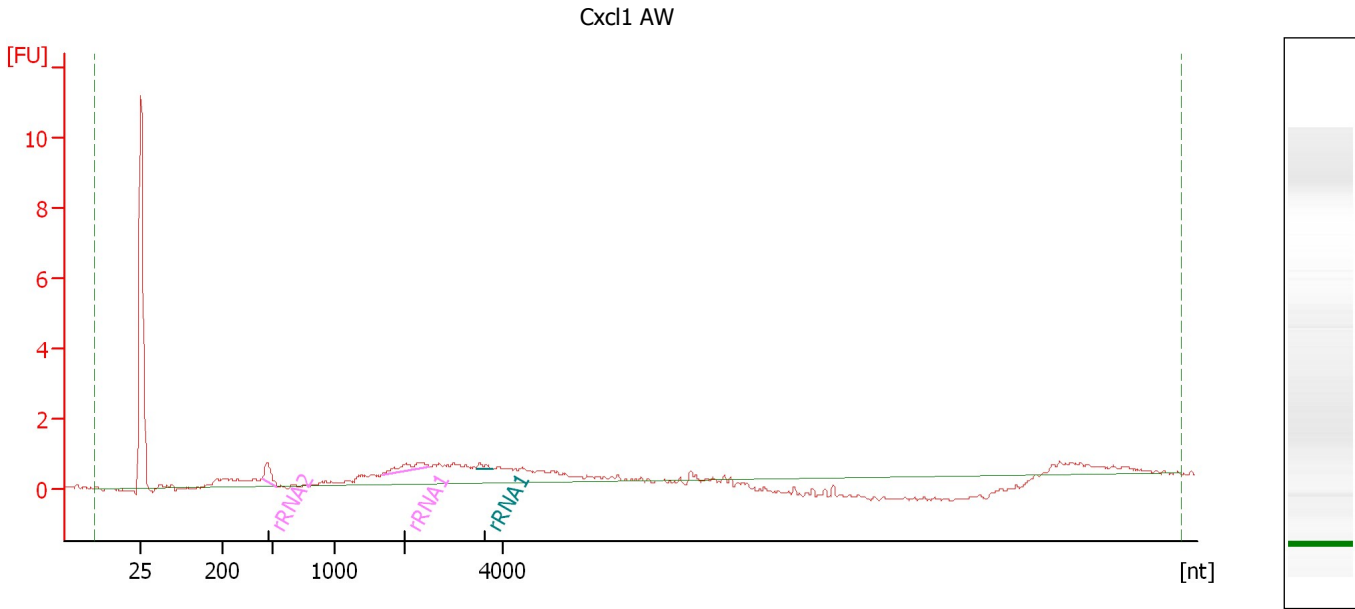
Fragment table for sample 4 : Temmm4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	860	1,070	3.5	6.2

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Cxcl1 AW

RNA Area: 22.1 rRNA Contamination: 9.5 %
RNA Concentration: 18 ng/μl

Fragment table for sample 5 : Cxcl1 AW

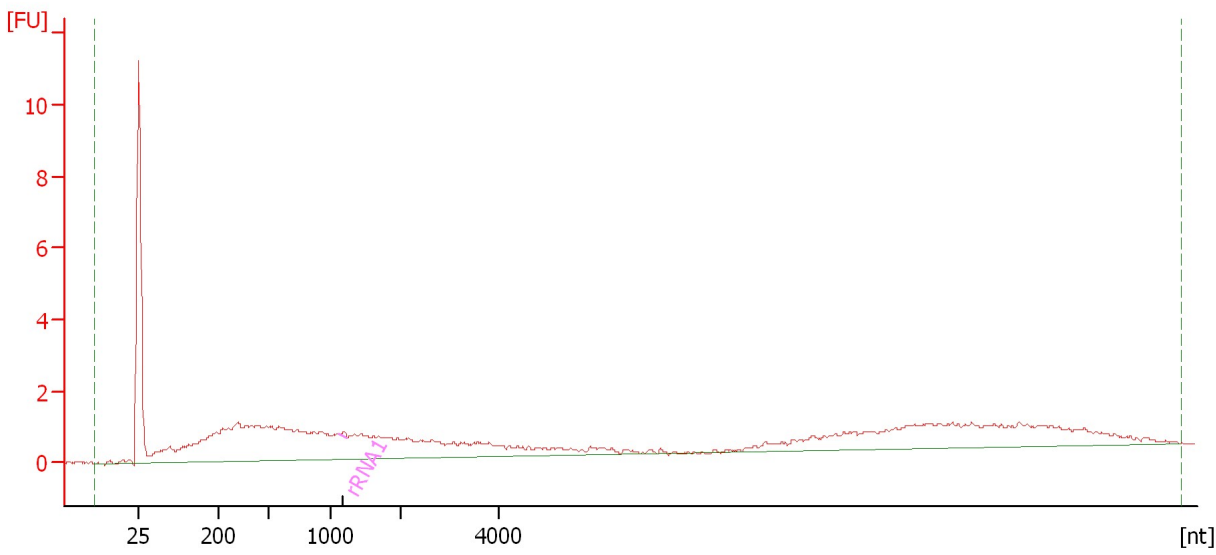
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	437	538	0.9	4.2
rRNA1	1,678	2,496	1.0	4.4
rRNA1	3,445	3,767	0.2	0.9

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
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Electropherogram Summary Continued ...

Fosl1 2-2 AW



Overall Results for sample 6 : Fosl1 2-2 AW

RNA Area: 68.4 rRNA Contamination: 0.1 %
RNA Concentration: 57 ng/μl

Fragment table for sample 6 : Fosl1 2-2 AW

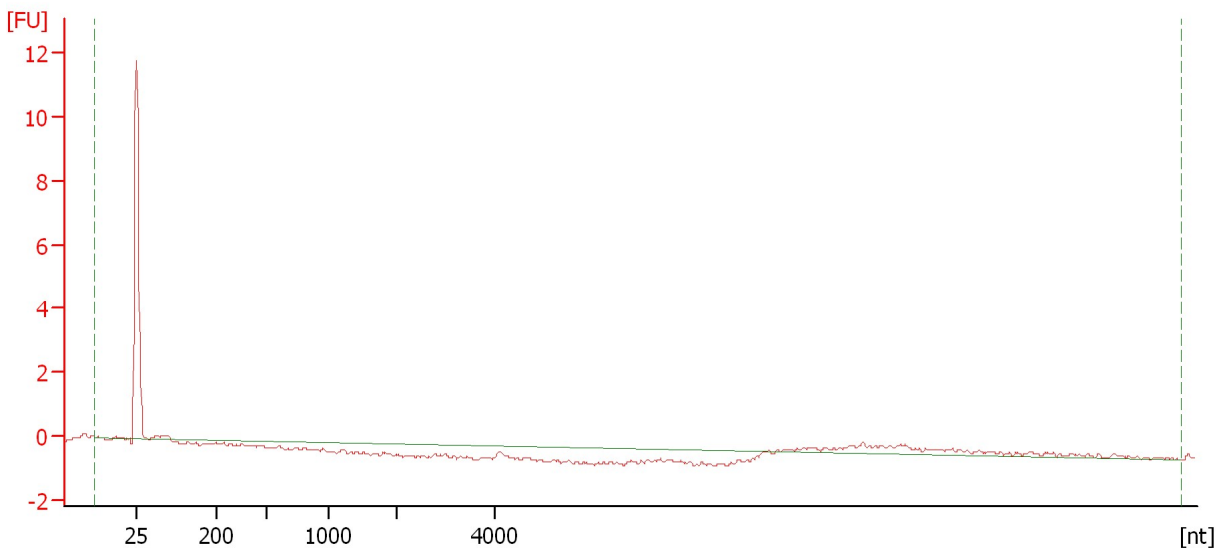
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,131	1,246	0.1	0.1

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Fosl1 Az 8/10



Overall Results for sample 7 : Fosl1 Az 8/10

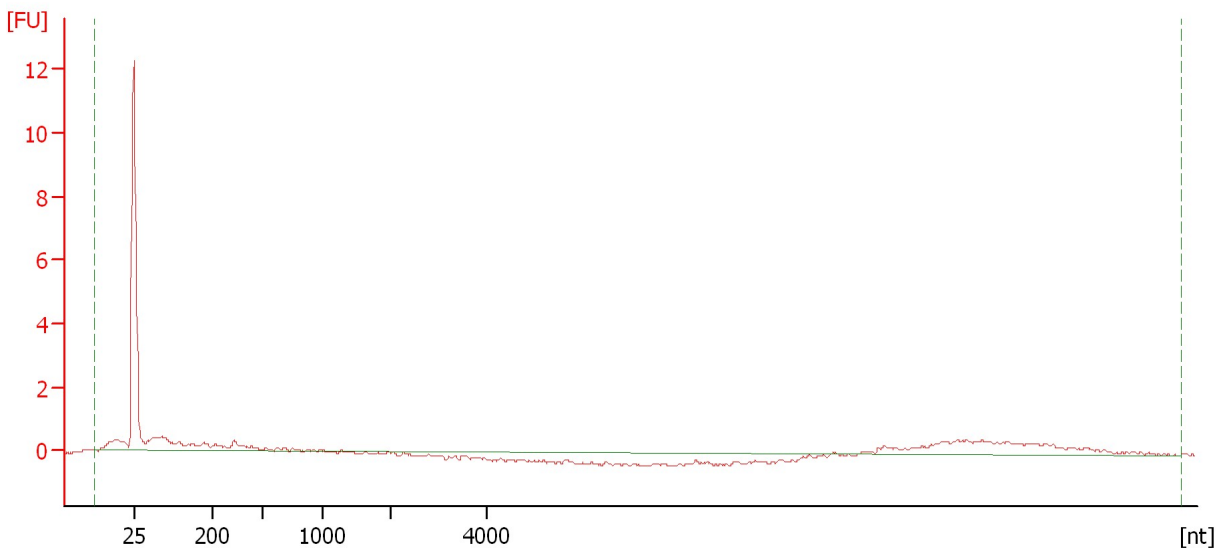
RNA Area: 4.8 rRNA Contamination: 0.0 %
RNA Concentration: 4 ng/μl

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Fosl1AZ 8/22



Overall Results for sample 8 : Fosl1AZ 8/22

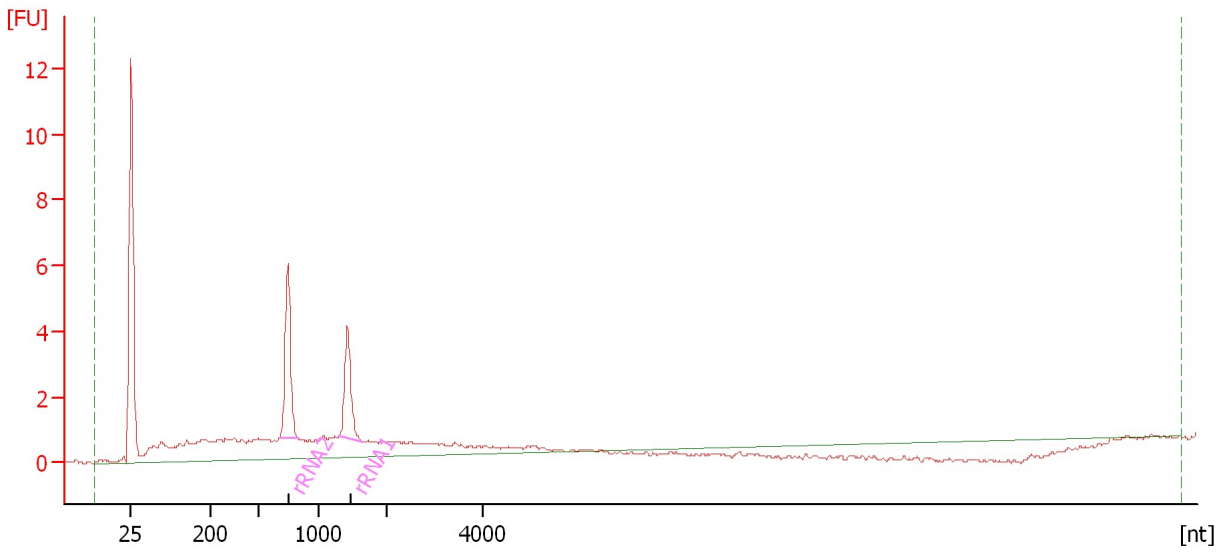
RNA Area:	17.5	rRNA Contamination:	0.0 %
RNA Concentration:	15 ng/μl		

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Vglut2



Overall Results for sample 9 : Vglut2

RNA Area: 51.8 rRNA Contamination: 24.3 %
RNA Concentration: 43 ng/μl

Fragment table for sample 9 : Vglut2

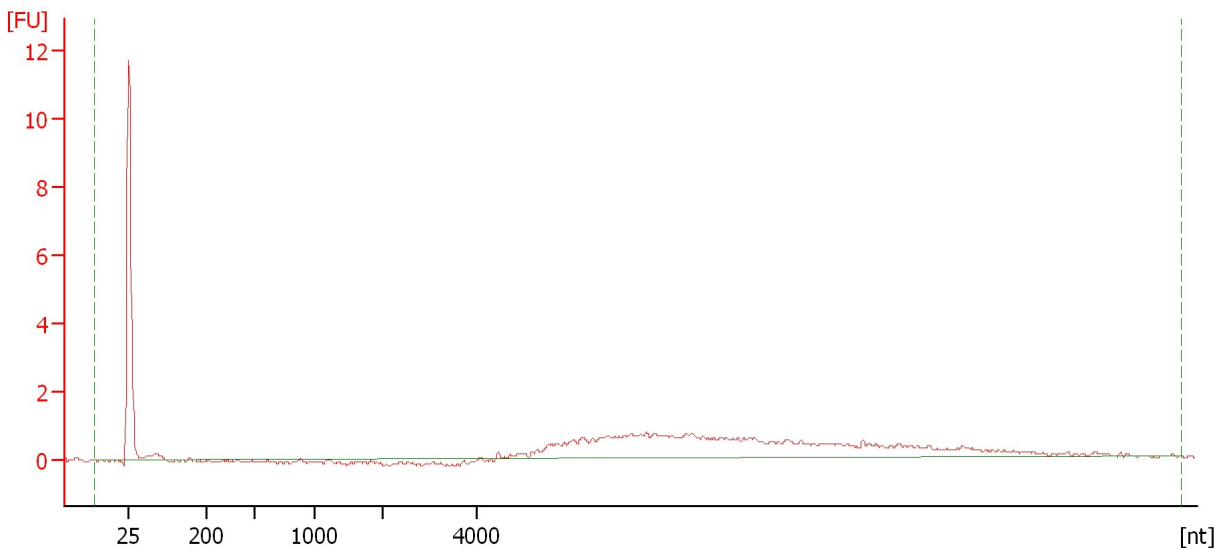
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	674	828	7.8	15.1
rRNA1	1,309	1,639	4.8	9.2

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Vglut3 8/10



Overall Results for sample 10 : Vglut3 8/10

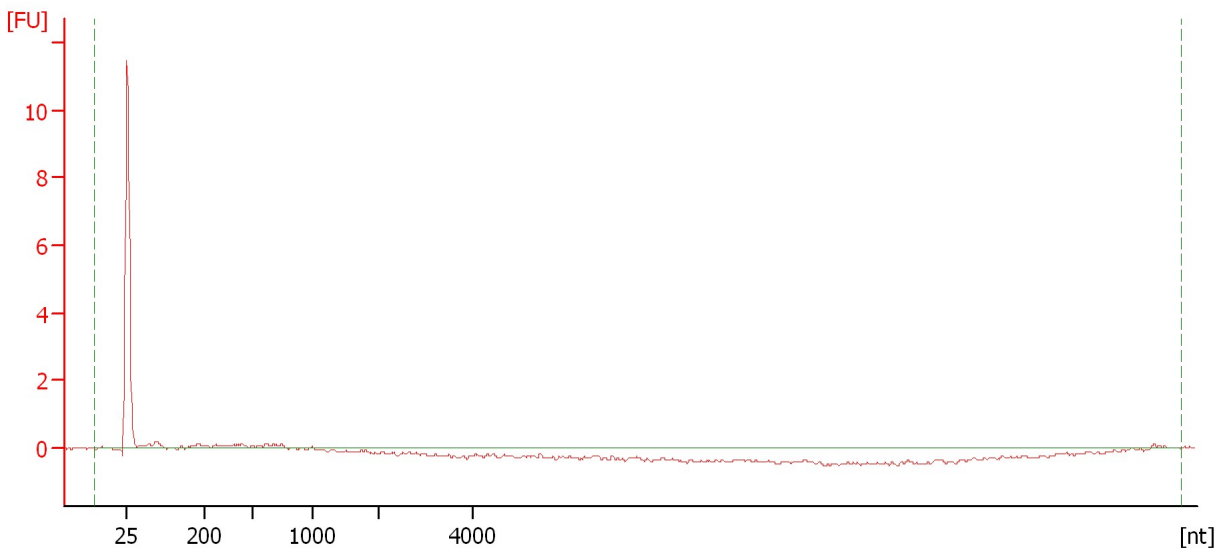
RNA Area: 26.5 rRNA Contamination: 0.0 %
RNA Concentration: 22 ng/μl

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...

Vglut3 8/22



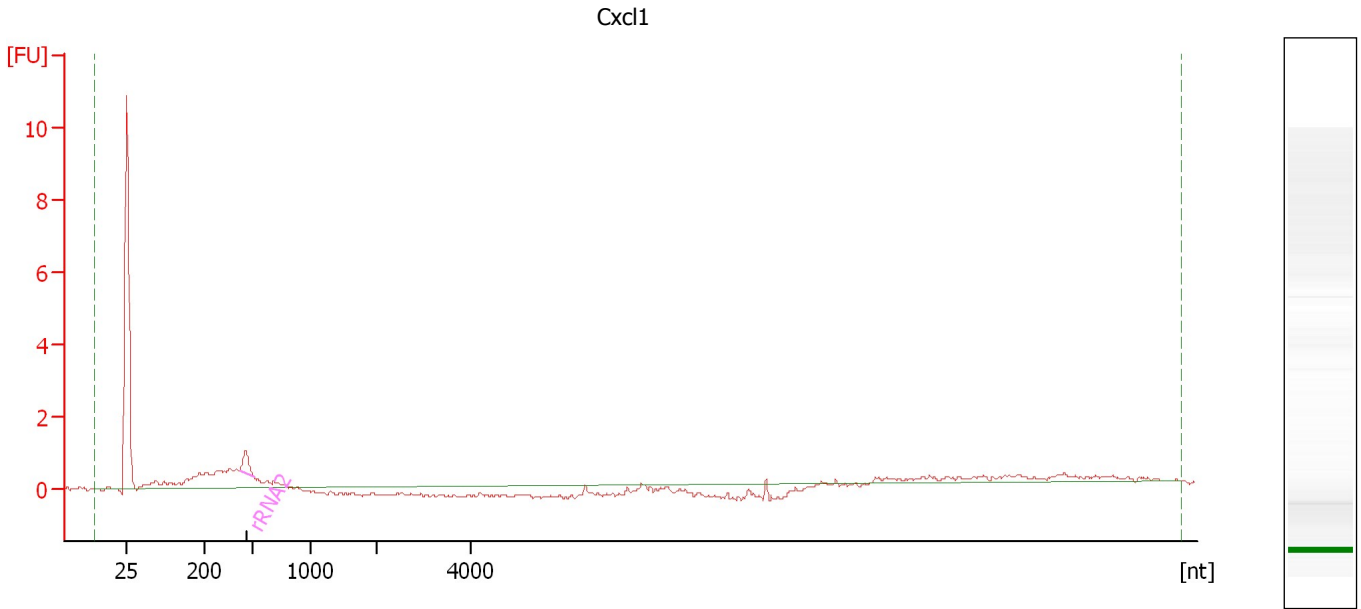
Overall Results for sample 11 : Vglut3 8/22

RNA Area: 3.5 rRNA Contamination: 0.0 %
RNA Concentration: 3 ng/μl

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Cxcl1

RNA Area: 14.8 rRNA Contamination: 6.7 %
RNA Concentration: 12 ng/μl

Fragment table for sample 12 : Cxcl1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	429	519	1.0	6.7

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-07\2017-09-07_001.xad

Created: 9/7/2017 2:06:01 PM
Modified: 9/7/2017 2:33:46 PM

Gel Image

