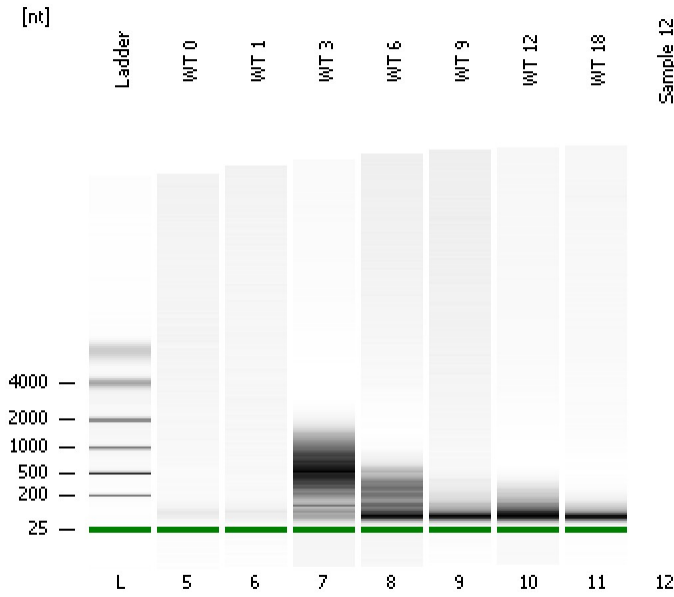


Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

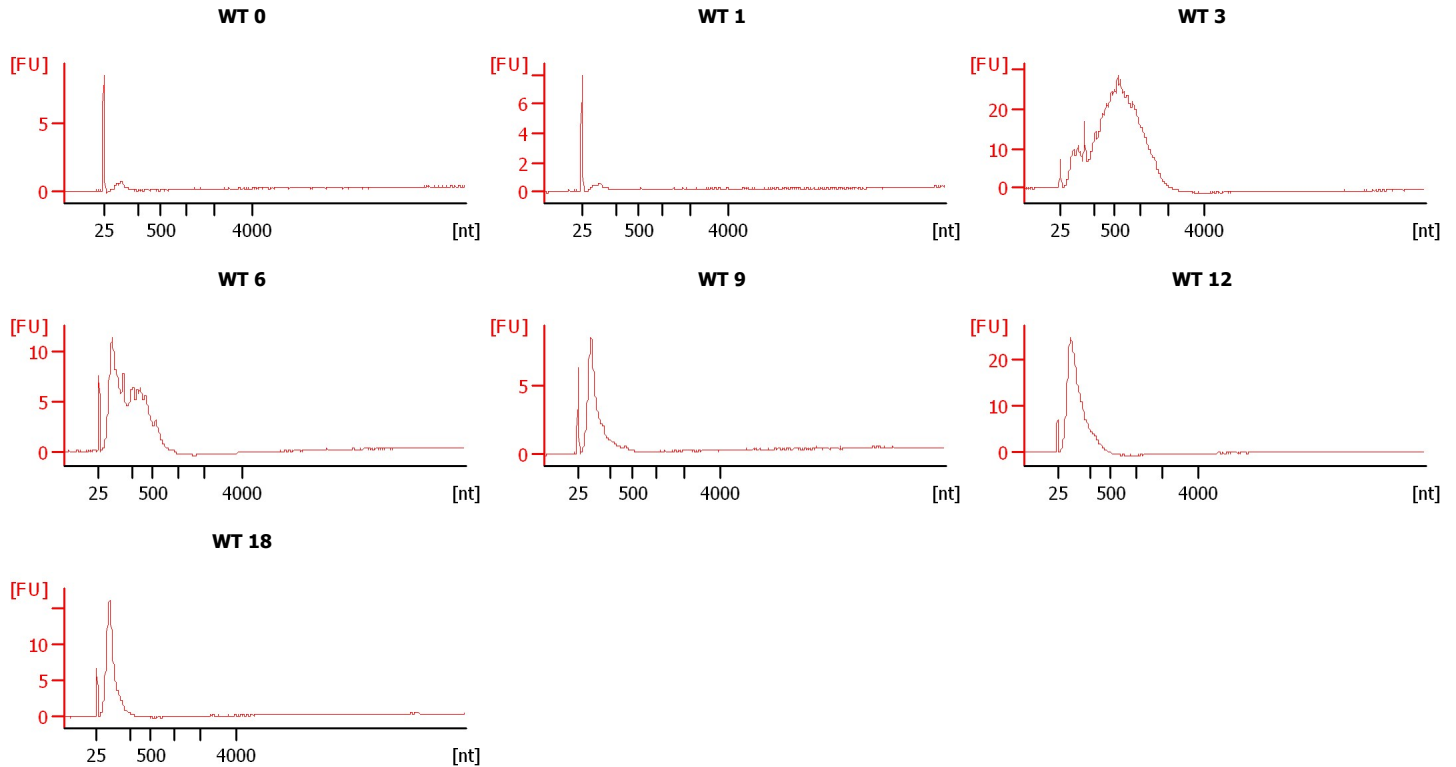
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Nano Series II.xsy

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:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
WT 0		✓		
WT 1		✓		
WT 3		✓		
WT 6		✓		
WT 9		✓		
WT 12		✓		
WT 18		✓		
Sample 12		✗		
Ladder		✓		

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

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 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

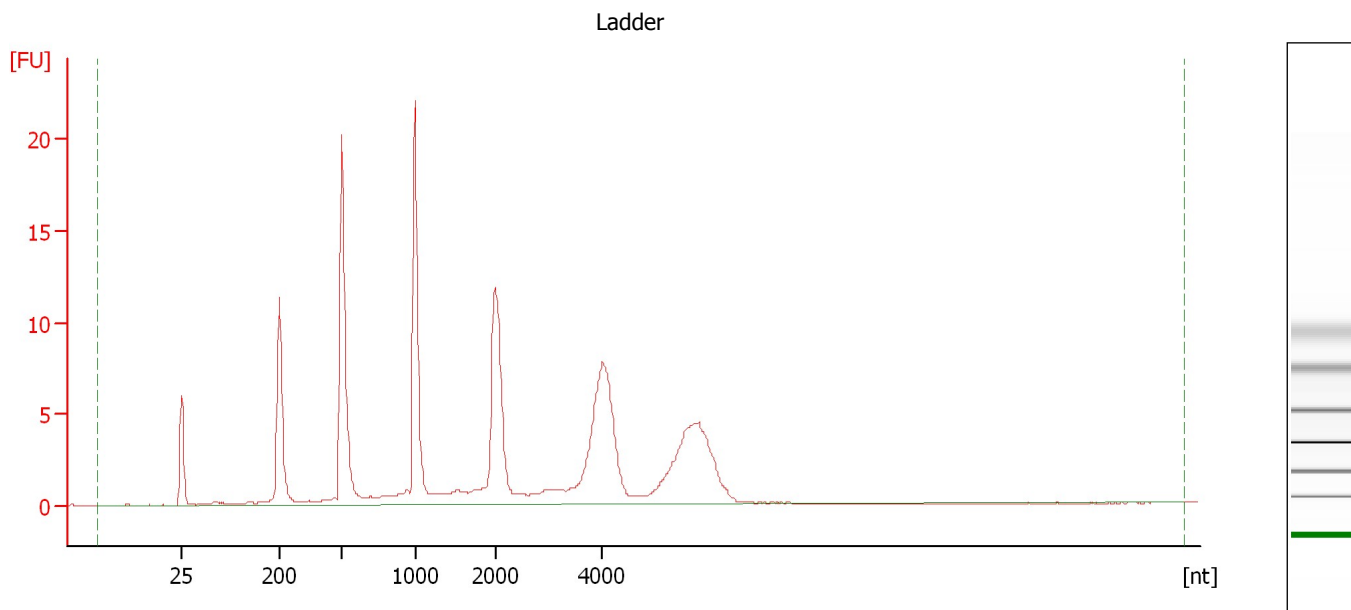
**Ladder**

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

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary**



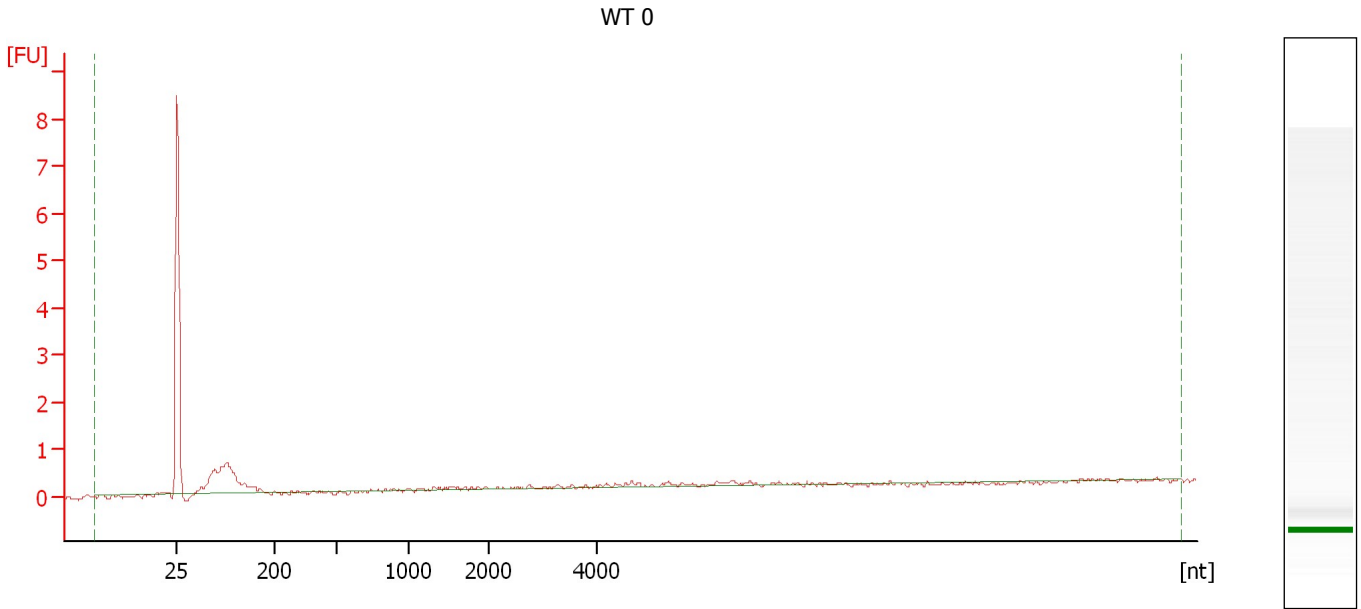
**Overall Results for Ladder**

RNA Area: 160.7                      RNA Concentration: 150 ng/μl

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**



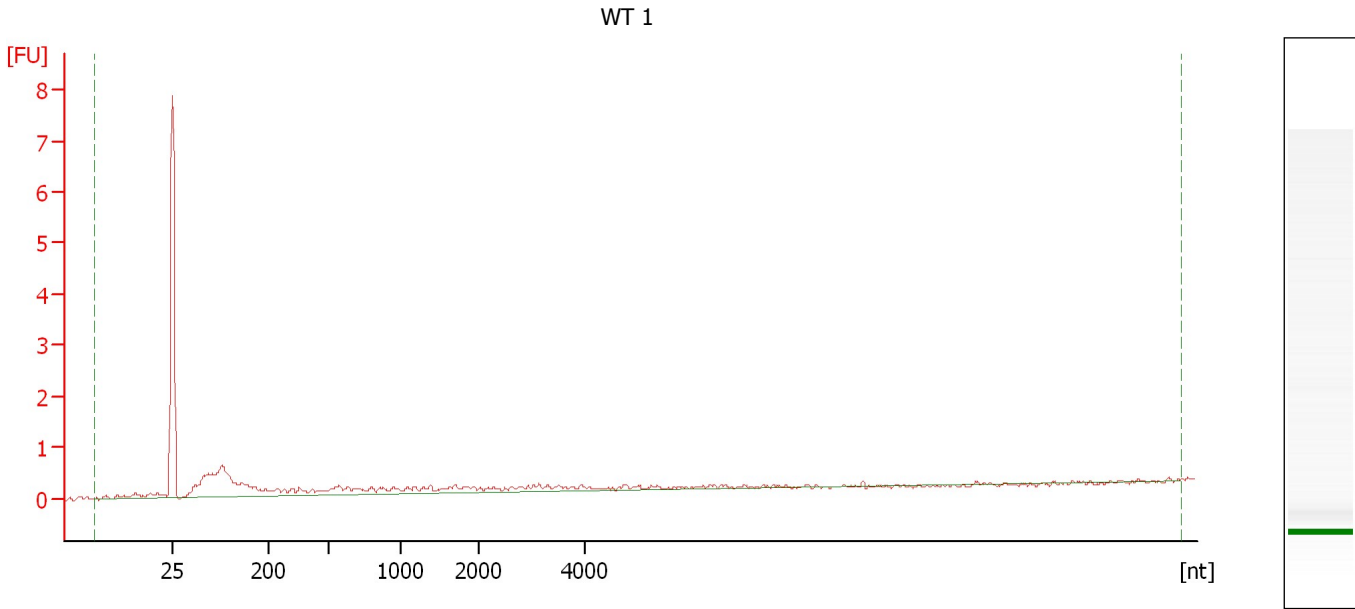
**Overall Results for sample 5 : WT 0**

RNA Area:	7.5	rRNA Contamination:	0.0 %
RNA Concentration:	7 ng/μl		

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**



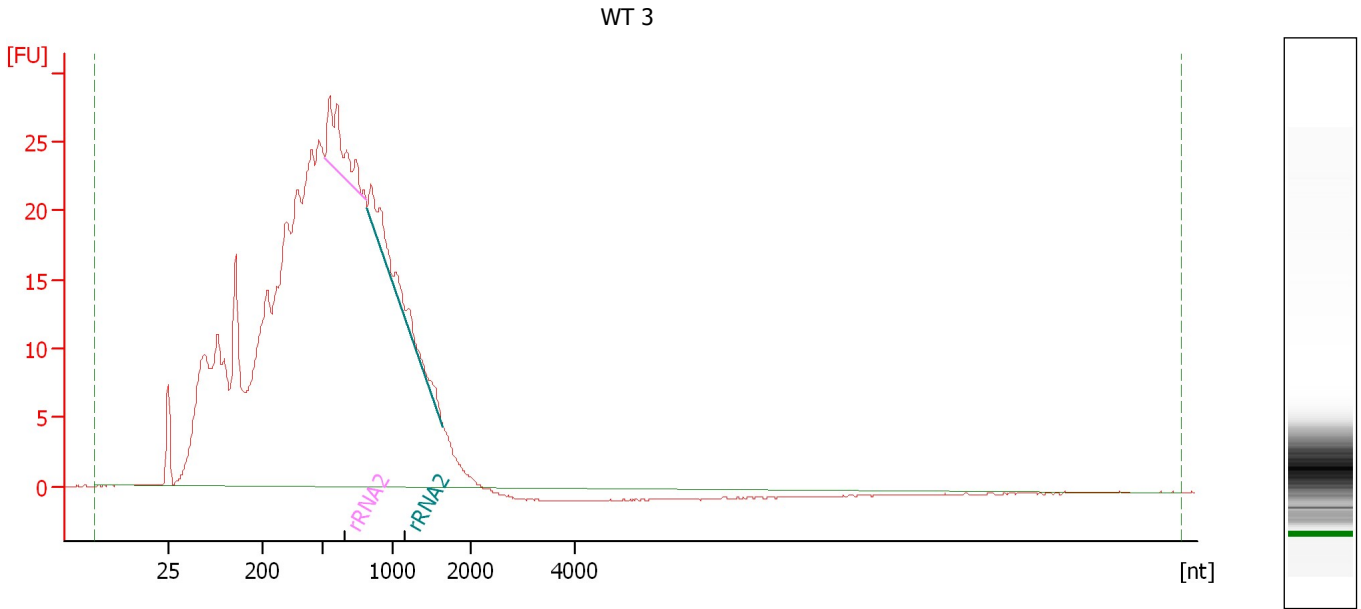
**Overall Results for sample 6 : WT 1**

RNA Area:	13.6	rRNA Contamination:	0.0 %
RNA Concentration:	13 ng/μl		

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : WT 3**

RNA Area: 833.5                      rRNA Contamination: 3.7 %  
RNA Concentration: 778 ng/μl

**Fragment table for sample 7 : WT 3**

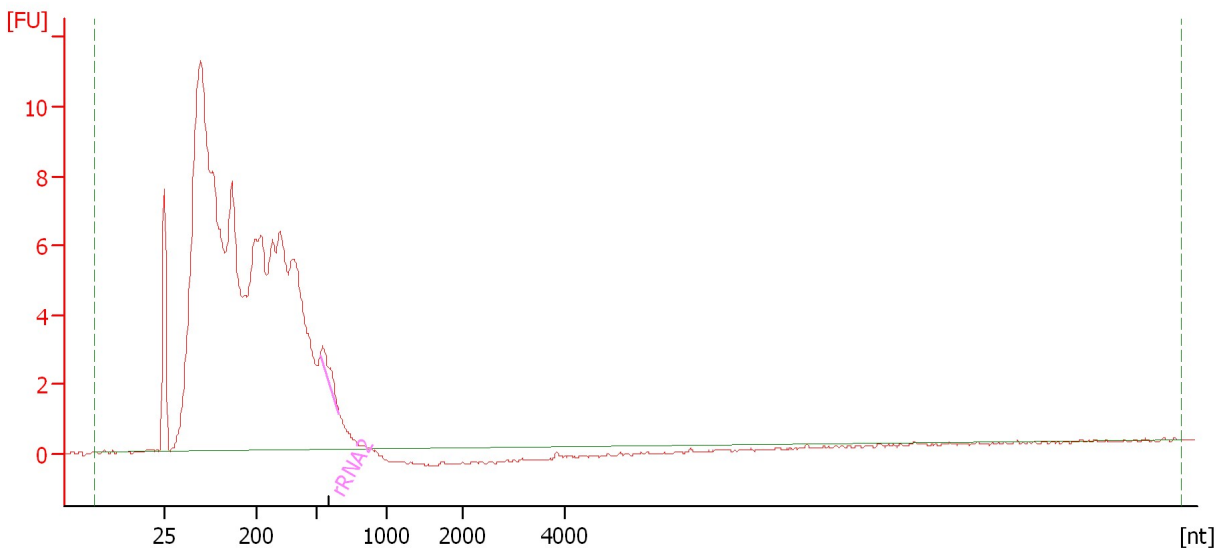
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	520	806	17.1	2.0
rRNA2	818	1,647	13.7	1.6

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**

WT 6



**Overall Results for sample 8 : WT 6**

RNA Area: 212.0                      rRNA Contamination: 0.6 %  
RNA Concentration: 198 ng/μl

**Fragment table for sample 8 : WT 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	528	664	1.3	0.6

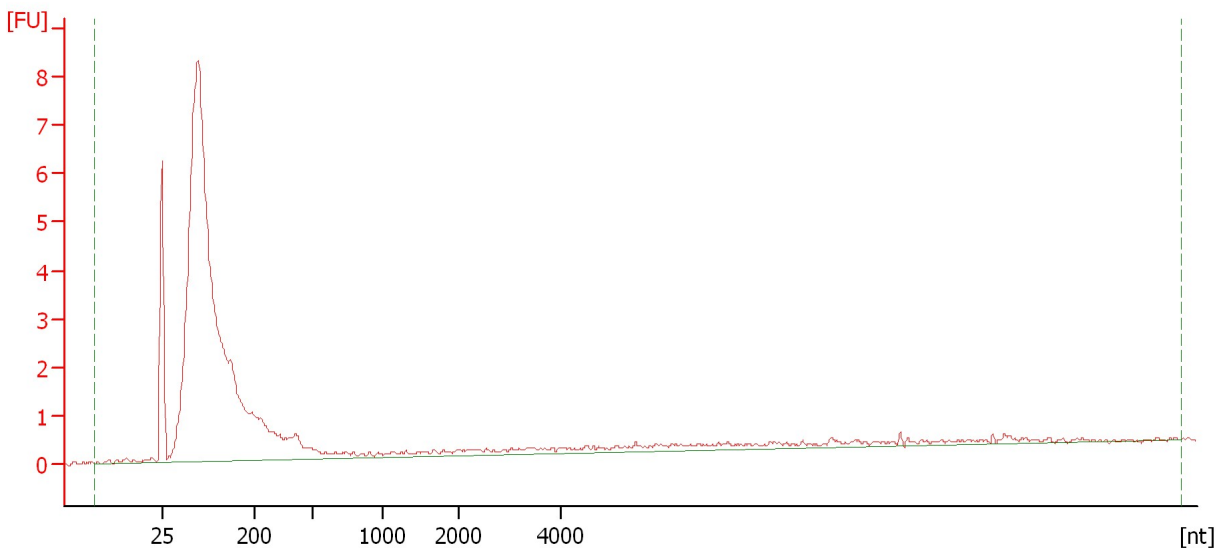


Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**

WT 9



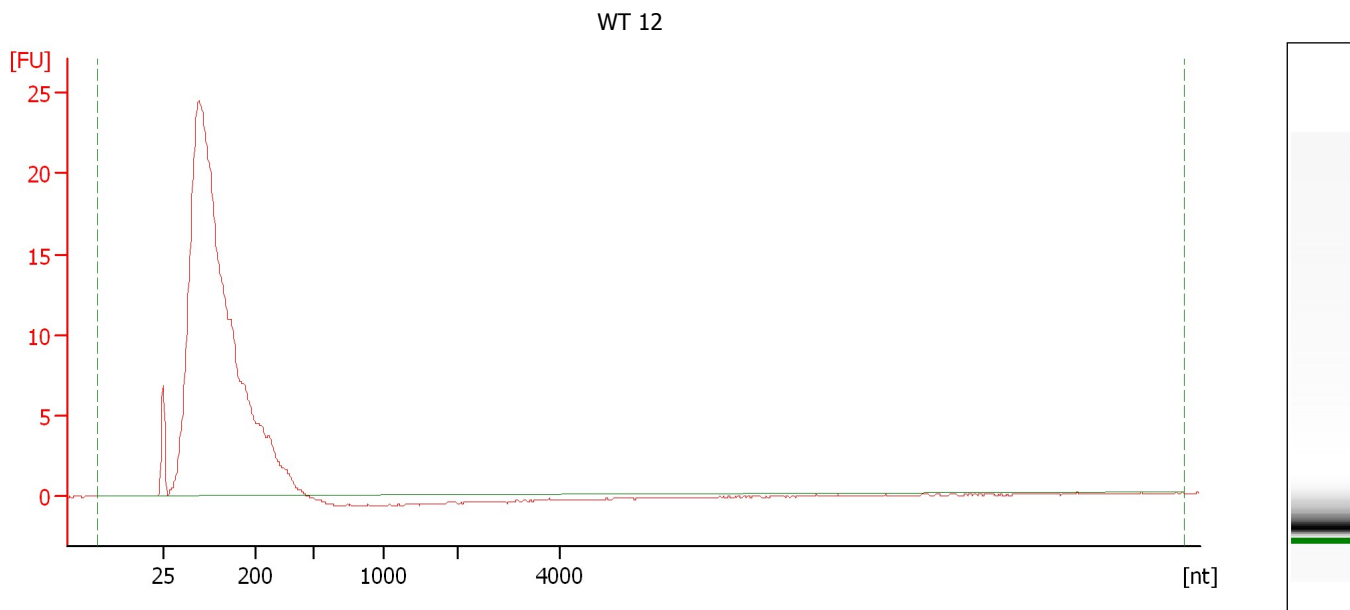
**Overall Results for sample 9 : WT 9**

RNA Area:	86.7	rRNA Contamination:	0.0 %
RNA Concentration:	81 ng/μl		

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : WT 12**

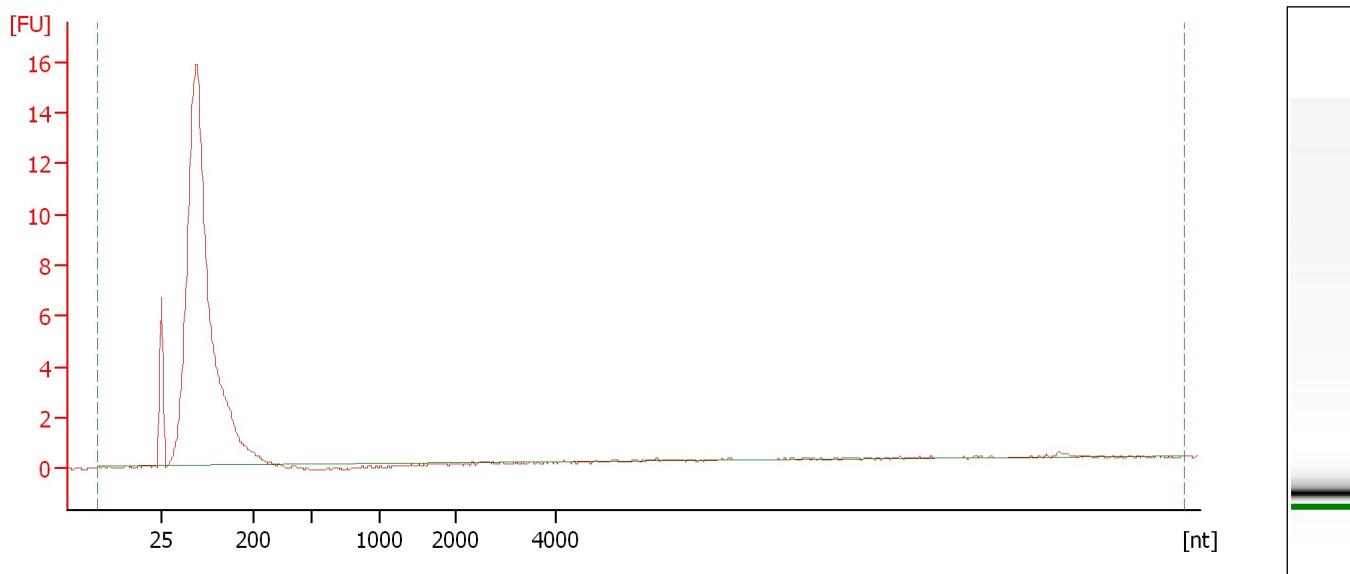
RNA Area:	297.4	rRNA Contamination:	0.0 %
RNA Concentration:	278 ng/ $\mu$ l		

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Electropherogram Summary Continued ...**

WT 18



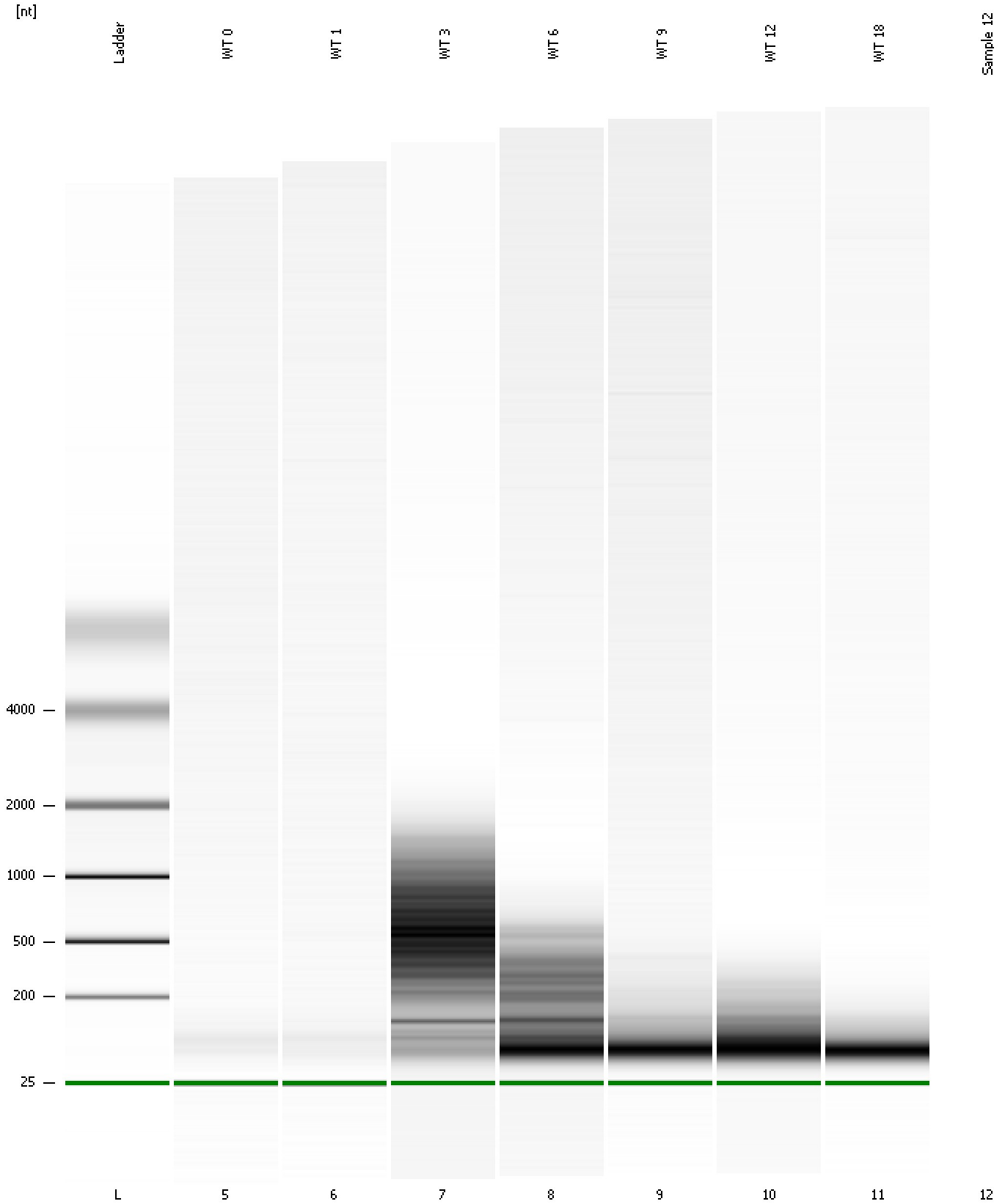
**Overall Results for sample 11 : WT 18**

RNA Area: 116.7                      rRNA Contamination: 0.0 %  
RNA Concentration: 109 ng/μl

Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Gel Image**



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Assay Class: mRNA Nano  
Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
Modified: 6/14/2016 12:46:36 PM

**Invalid Samples**

Sample 12 has not been run, no results available.

Assay Class: mRNA Nano  
 Data Path: C:\...er\2100 expert\data\2016-06-14\2016-06-14\_003\_DamionRNA.xad

Created: 6/14/2016 11:48:35 AM  
 Modified: 6/14/2016 12:46:36 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		6/14/2016 12:13:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_003.xad)		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/14/2016 11:48:36 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1