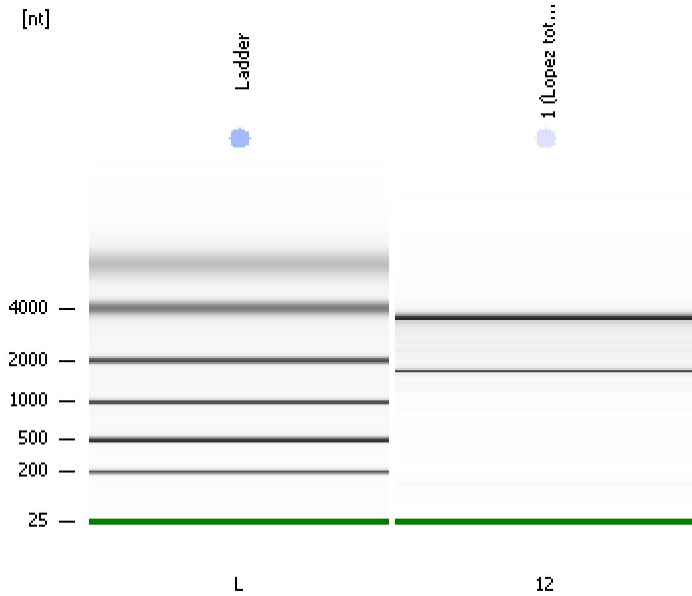


Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 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 Nano.xsy

Assay Class: Plant RNA Nano

Version: 1.3

Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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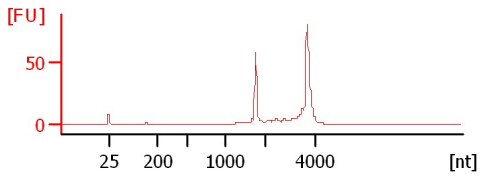
Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

**1 (Lopez total RNA)**  
RIN: 6.80



Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1 (Lopez total RNA)		✓	RIN: 6.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.2  
Area Threshold : 0.1  
Width Threshold [s] : 0.2  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

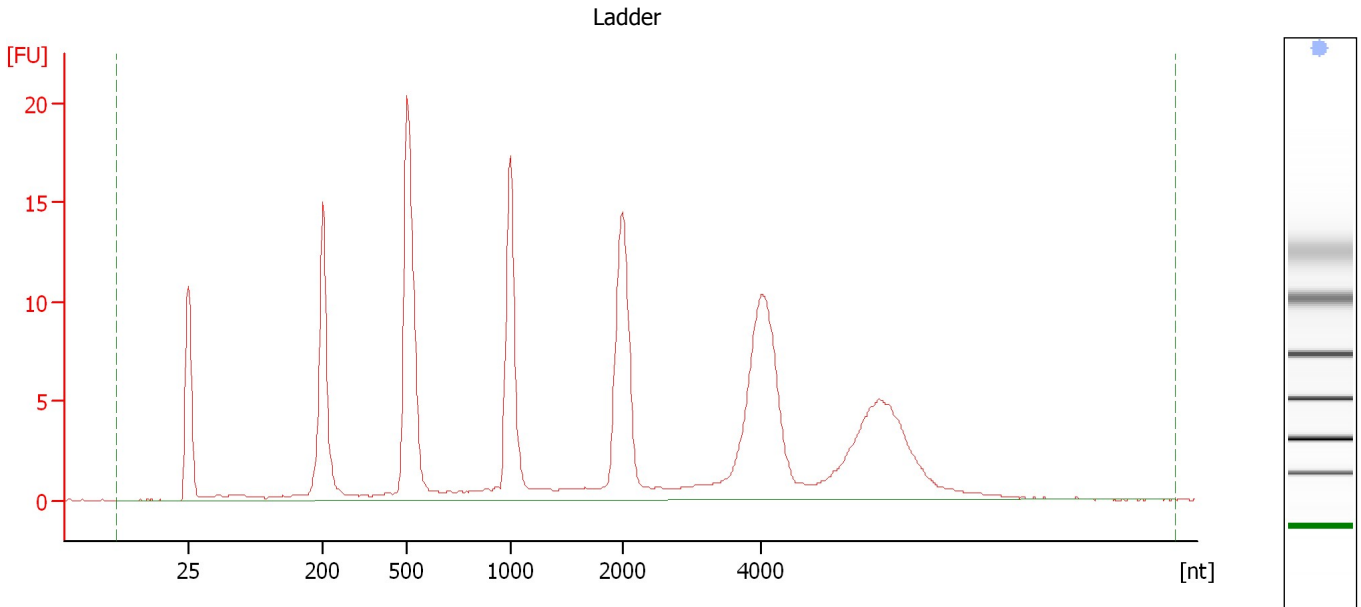
### Ladder

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

Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 AM

**Electropherogram Summary**



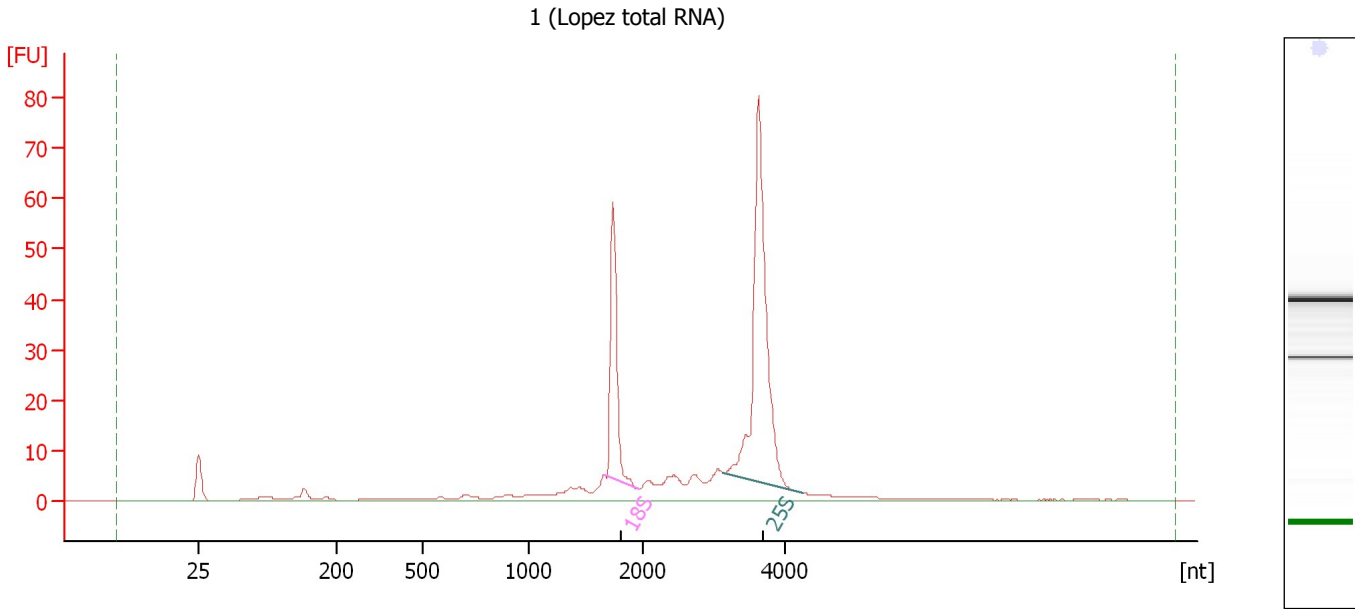
**Overall Results for Ladder**

RNA Area:	187.1	Result Flagging Color:	<span style="background-color: #6699ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 1 (Lopez total RNA)**

RNA Area: 269.6                      RNA Integrity Number (RIN): 6.8 (B.02.08)  
RNA Concentration: 216 ng/μl              Result Flagging Color:   
rRNA Ratio [25s / 18s]: 2.5              Result Flagging Label: RIN: 6.80

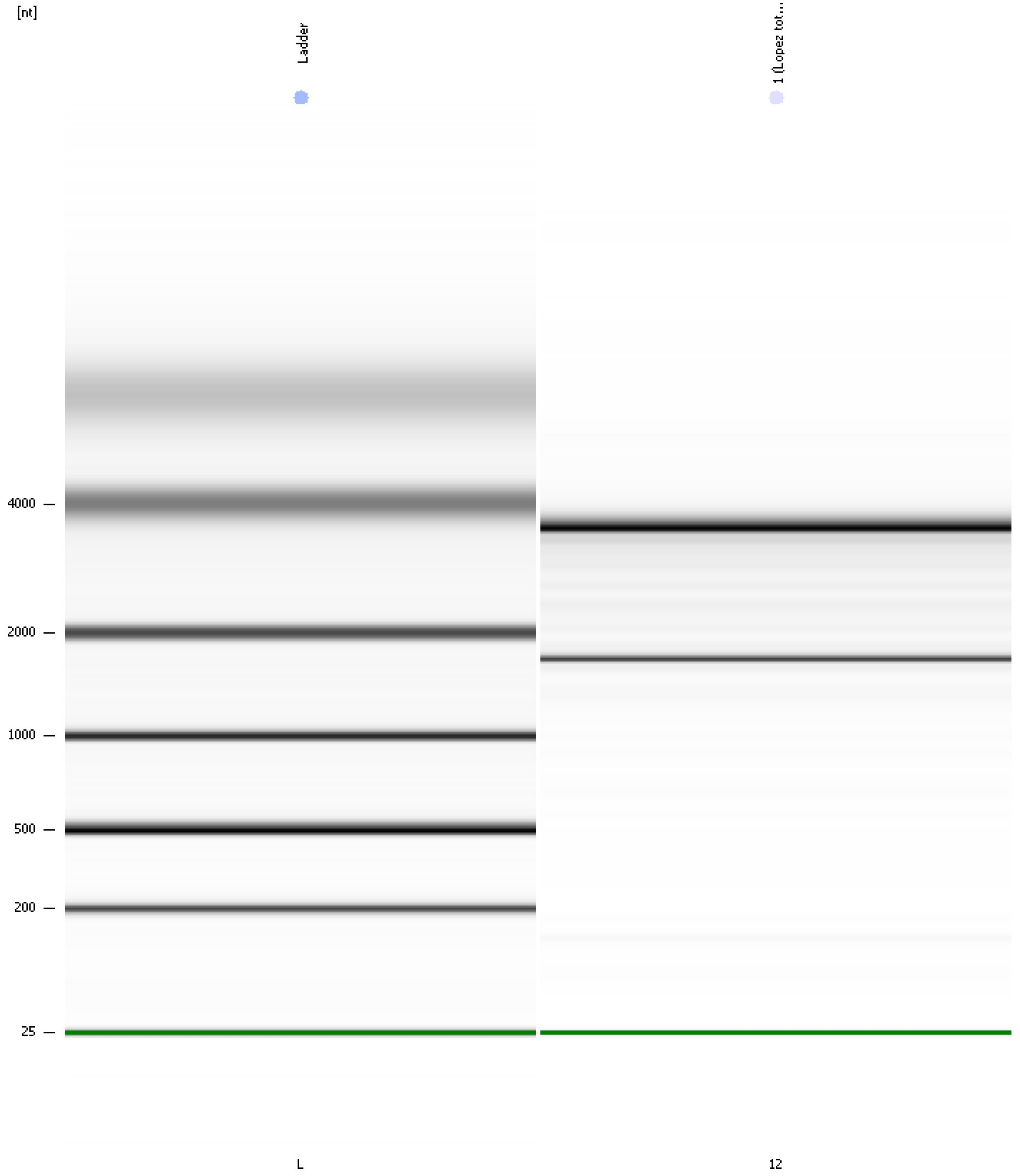
**Fragment table for sample 12 : 1 (Lopez total RNA)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,975	41.1	15.2
25S	3,145	4,260	102.8	38.1

Assay Class: Plant RNA Nano  
Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
Modified: 4/14/2014 10:09:35 AM

**Gel Image**



Assay Class: Plant RNA Nano  
 Data Path: C:\...nd Settings\Bioanalyzer\2014-04-11\2014-04-11\_001\_Lopez.xad

Created: 4/11/2014 10:46:32 AM  
 Modified: 4/14/2014 10:09:35 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		4/11/2014 11:10:23 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-11\2014-04-11_001.xad)		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/11/2014 10:46:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1