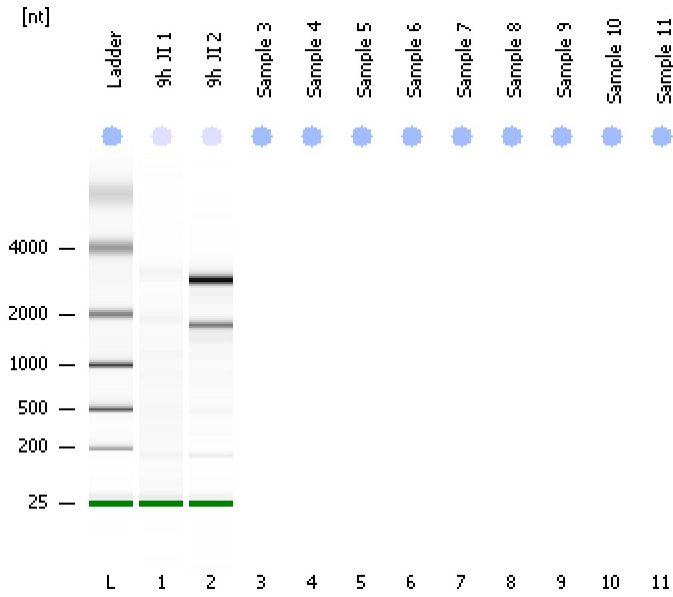


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 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\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
9h JI 1		✓	RIN:1	
9h JI 2		✓	RIN: 9.60	
Sample 3				
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

## 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 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

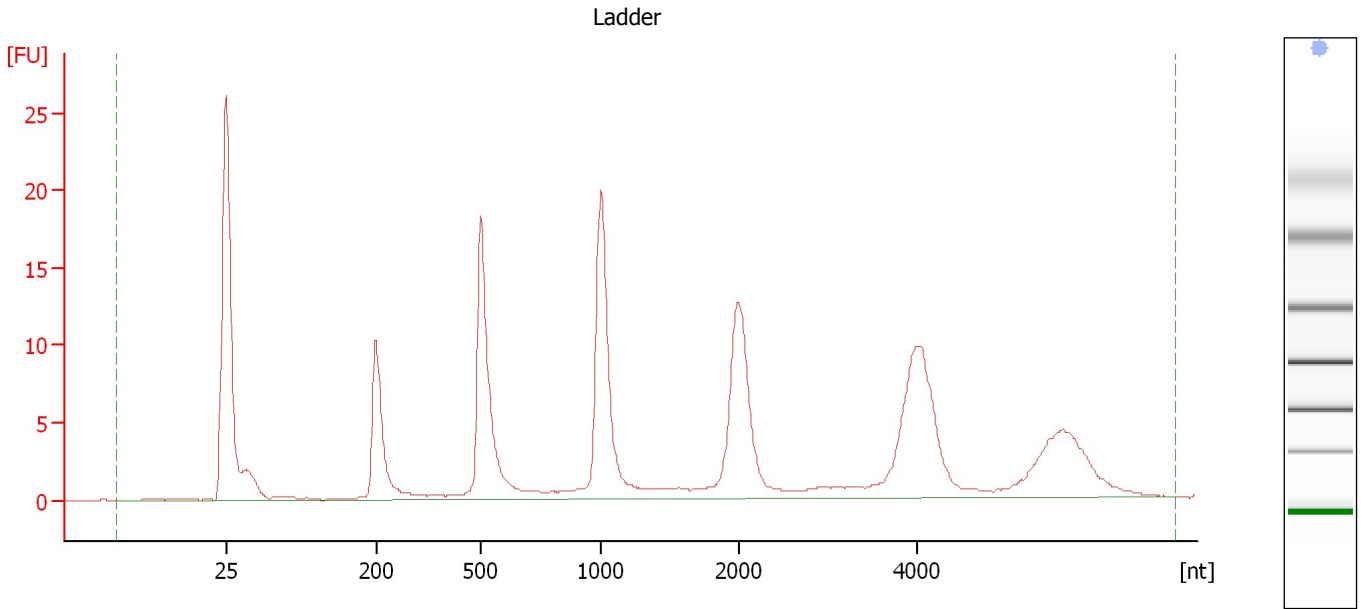
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

**Electropherogram Summary**



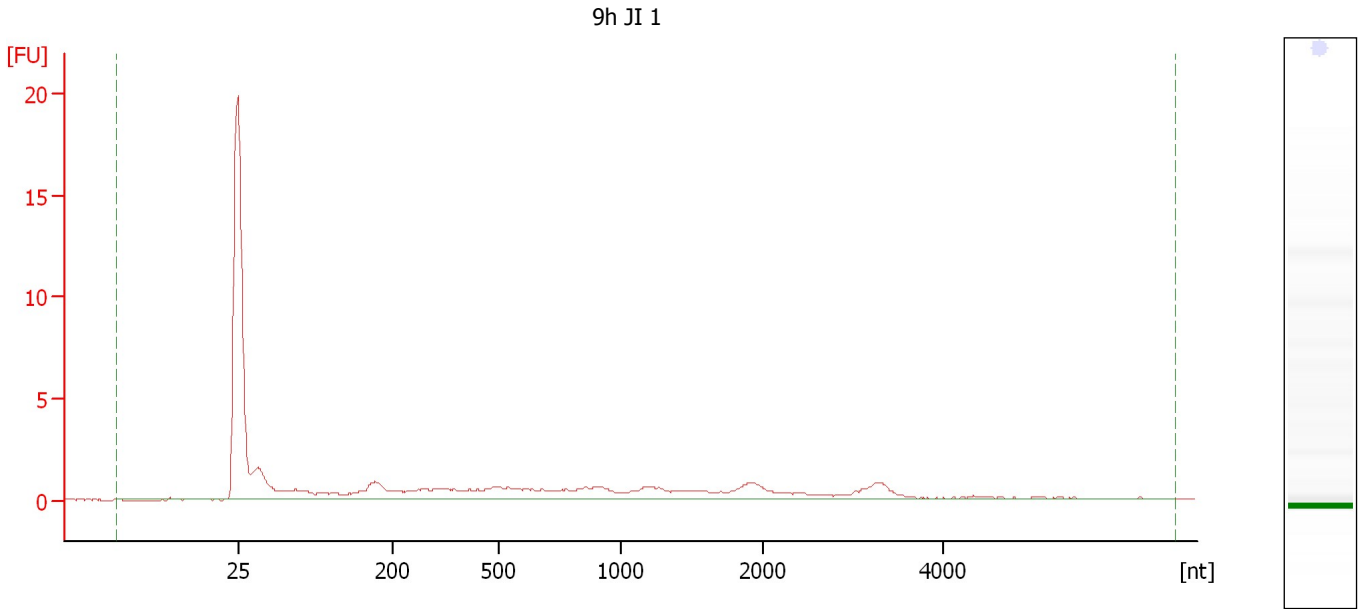
**Overall Results for Ladder**

RNA Area:	188.0	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

**Electropherogram Summary Continued ...**



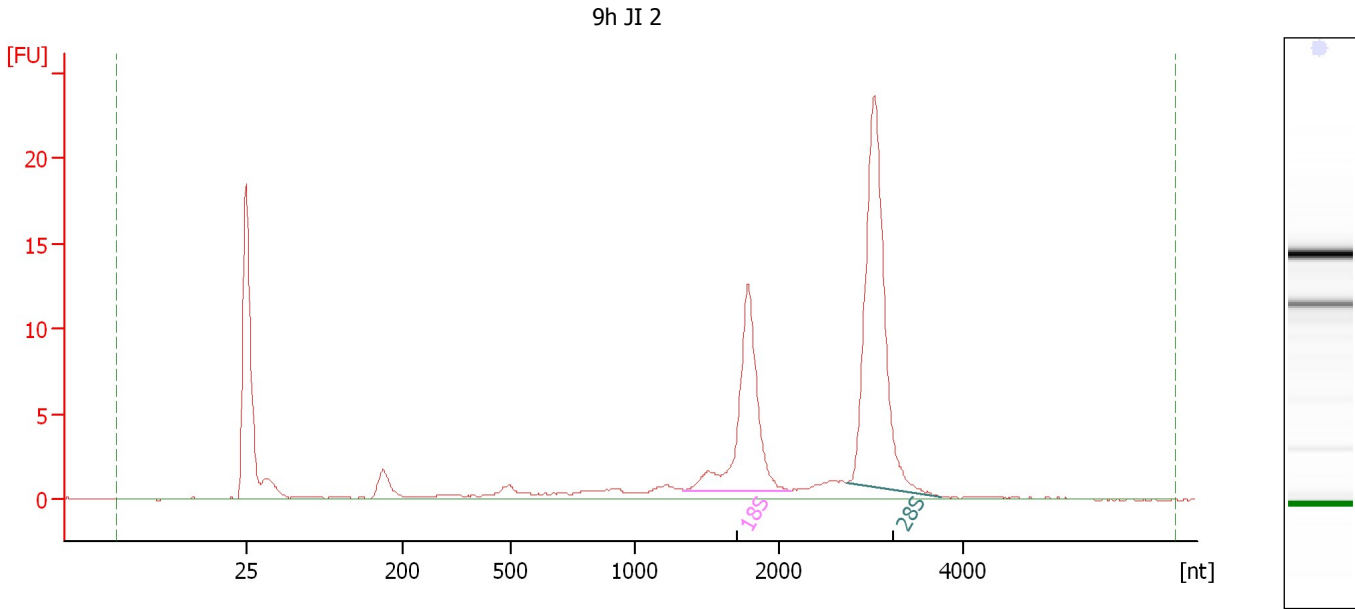
**Overall Results for sample 1 : 9h JI 1**

RNA Area:	37.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	202 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 9h JI 2**

RNA Area: 105.5                      RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 561 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7                      Result Flagging Label: RIN: 9.60

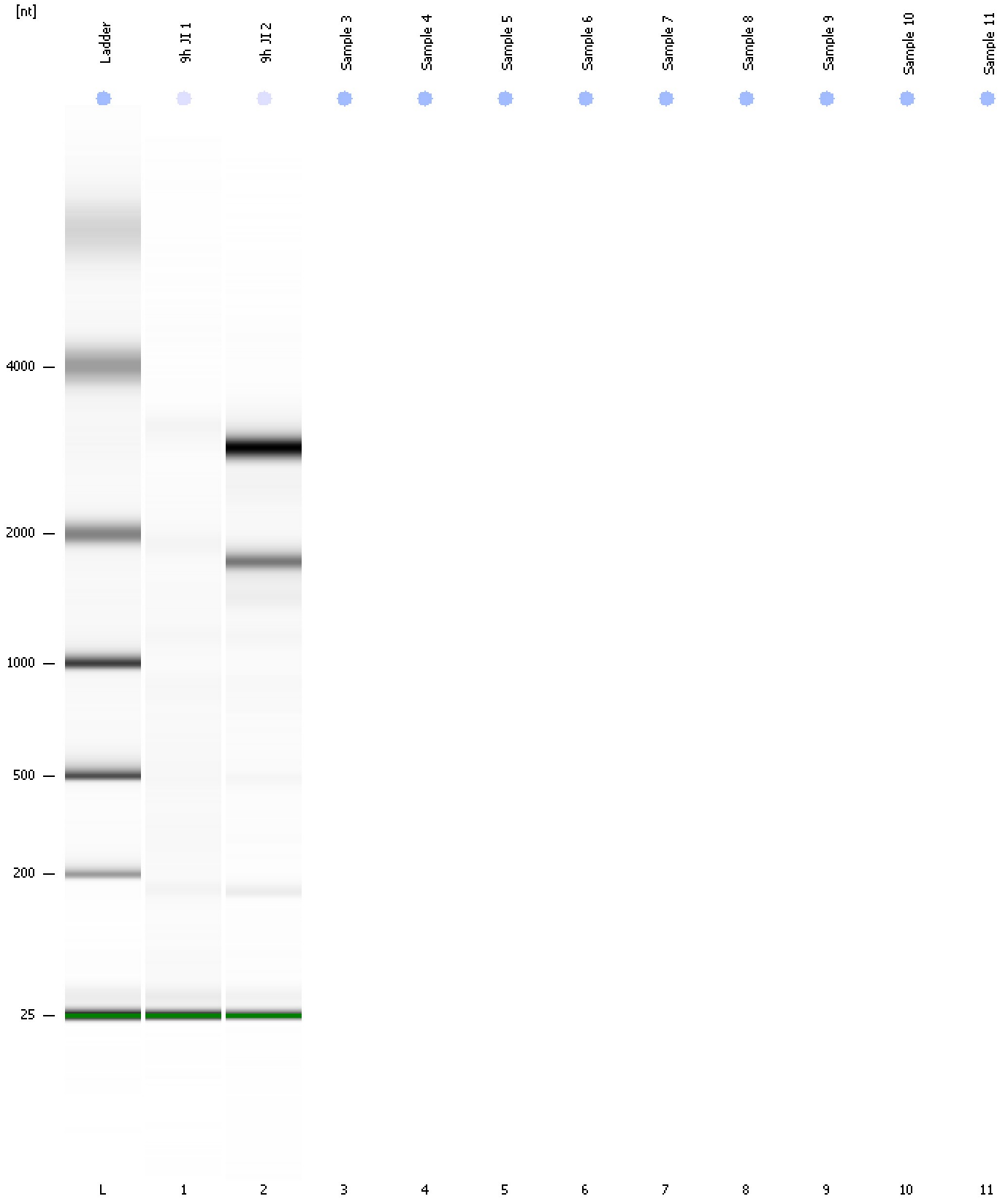
**Fragment table for sample 2 : 9h JI 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,331	2,121	24.8	23.5
28S	2,736	3,757	42.2	40.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
Modified: 11/24/2015 4:47:03 PM

**Invalid Samples**

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-24\2015-11-24\_002.xad

Created: 11/24/2015 4:37:02 PM  
 Modified: 11/24/2015 4:47:03 PM

### Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 3)		Instrument	Run		11/24/2015 4:47:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-24\2015-11-24_002.xad)		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/24/2015 4:37:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1