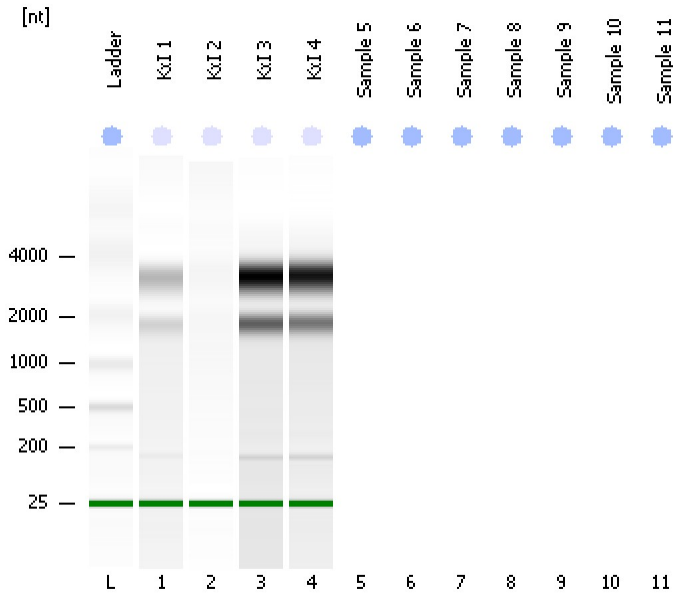


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

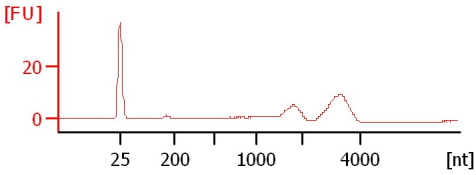
Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

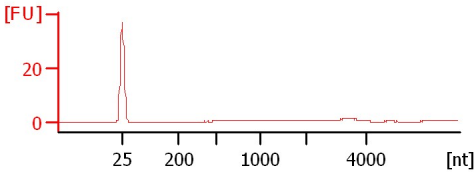
Chip Information:

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

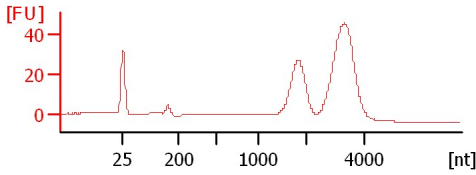
**KxI 1**  
RIN: 8.50



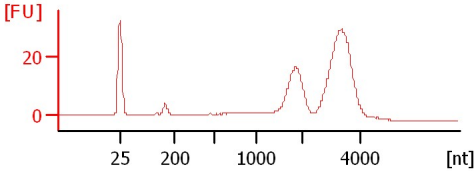
**KxI 2**  
RIN: 1



**KxI 3**  
RIN: 10



**KxI 4**  
RIN: 9.60



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
KxI 1		✓	RIN: 8.50	
KxI 2		✓	RIN:1	
KxI 3		✓	RIN:10	
KxI 4		✓	RIN: 9.60	
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:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 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/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 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

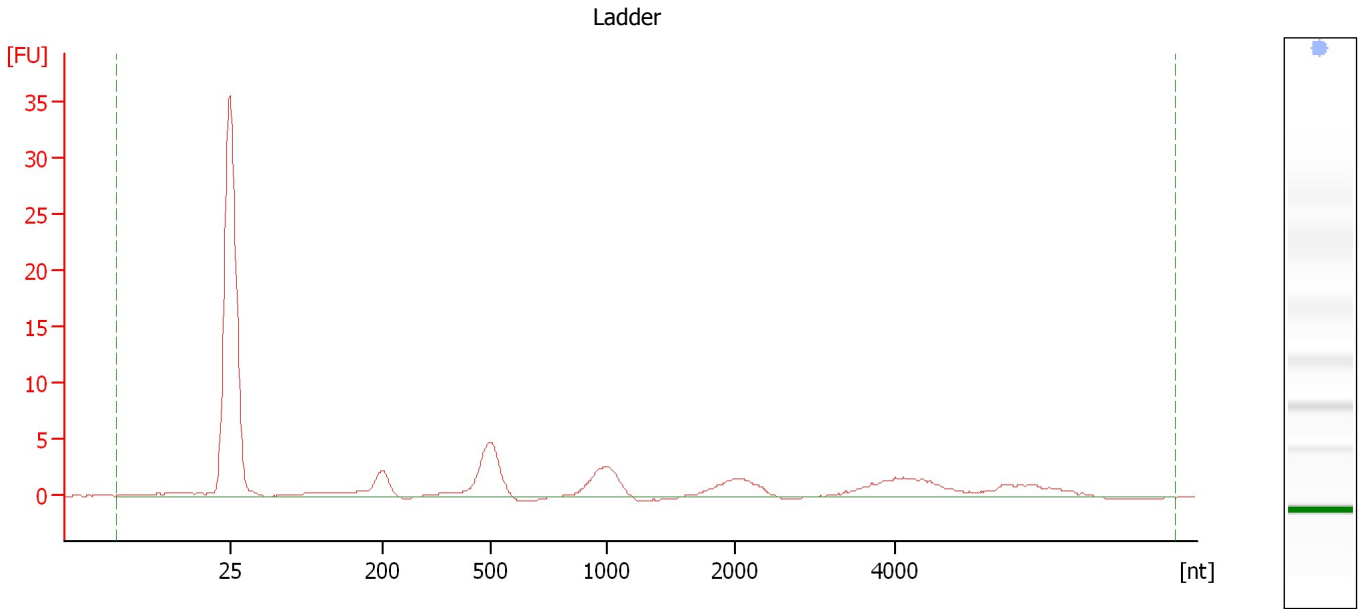
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Electropherogram Summary**



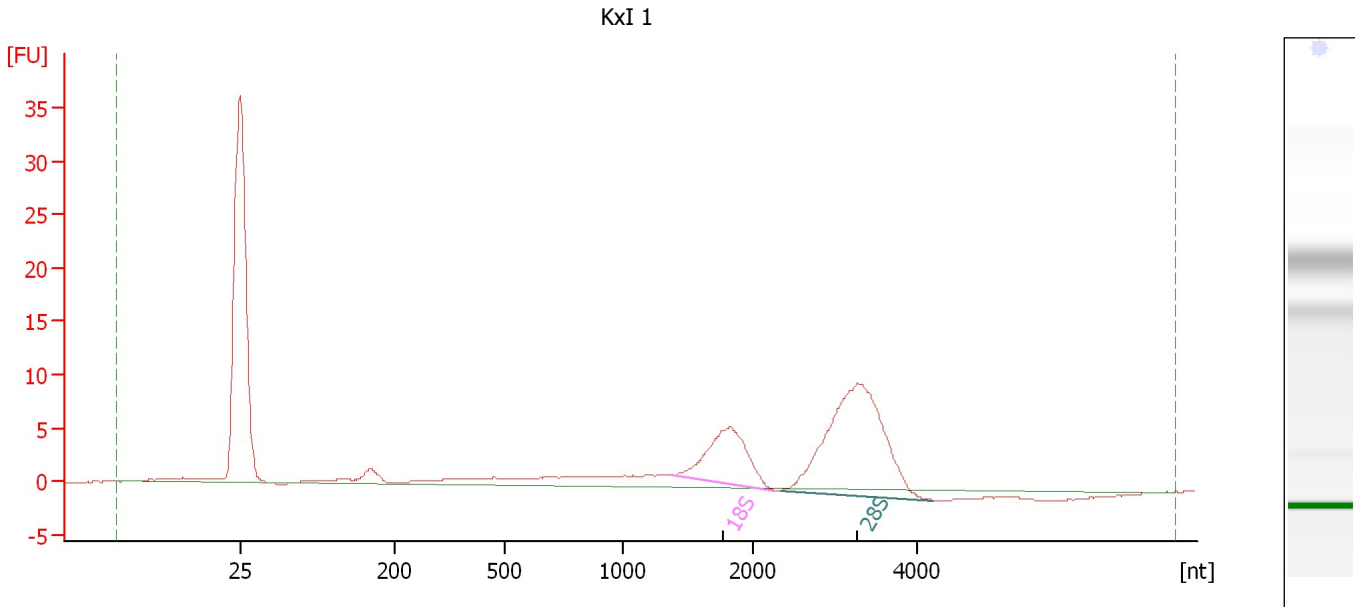
**Overall Results for Ladder**

RNA Area:	65.5	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:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : KxI 1**

RNA Area:	115.7	RNA Integrity Number (RIN):	8.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,765 µg/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]:	2.5	Result Flagging Label:	RIN: 8.50

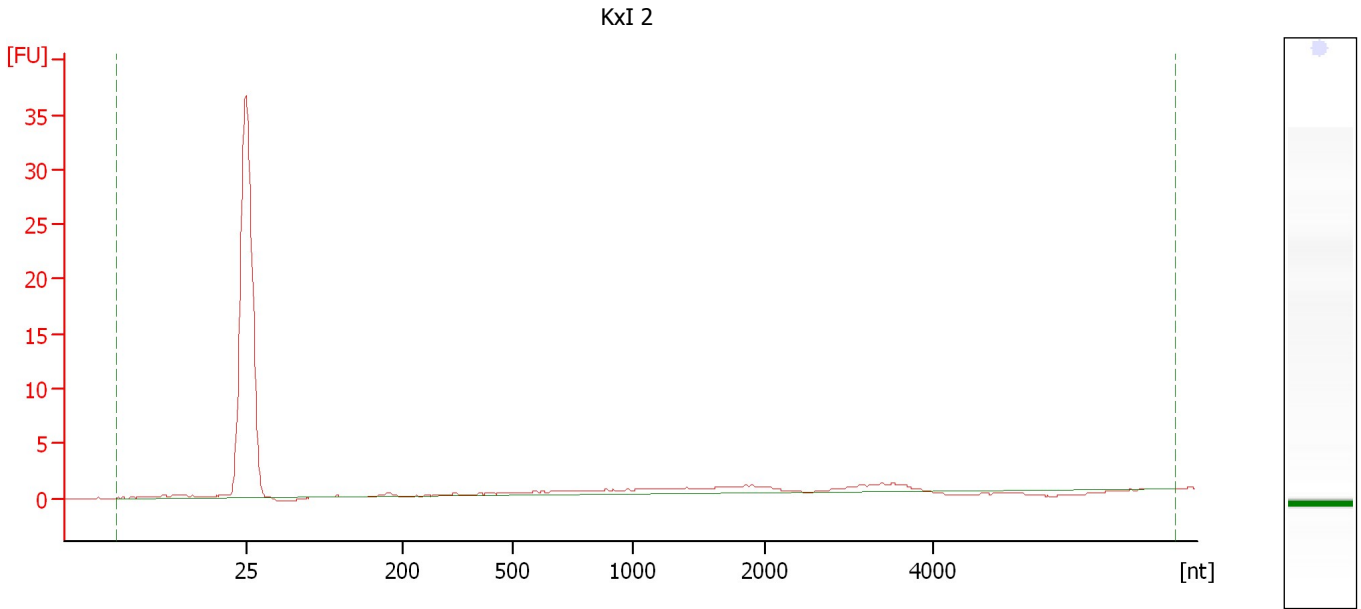
**Fragment table for sample 1 : KxI 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,373	2,265	24.0	20.7
28S	2,330	4,191	59.9	51.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Electropherogram Summary Continued ...**



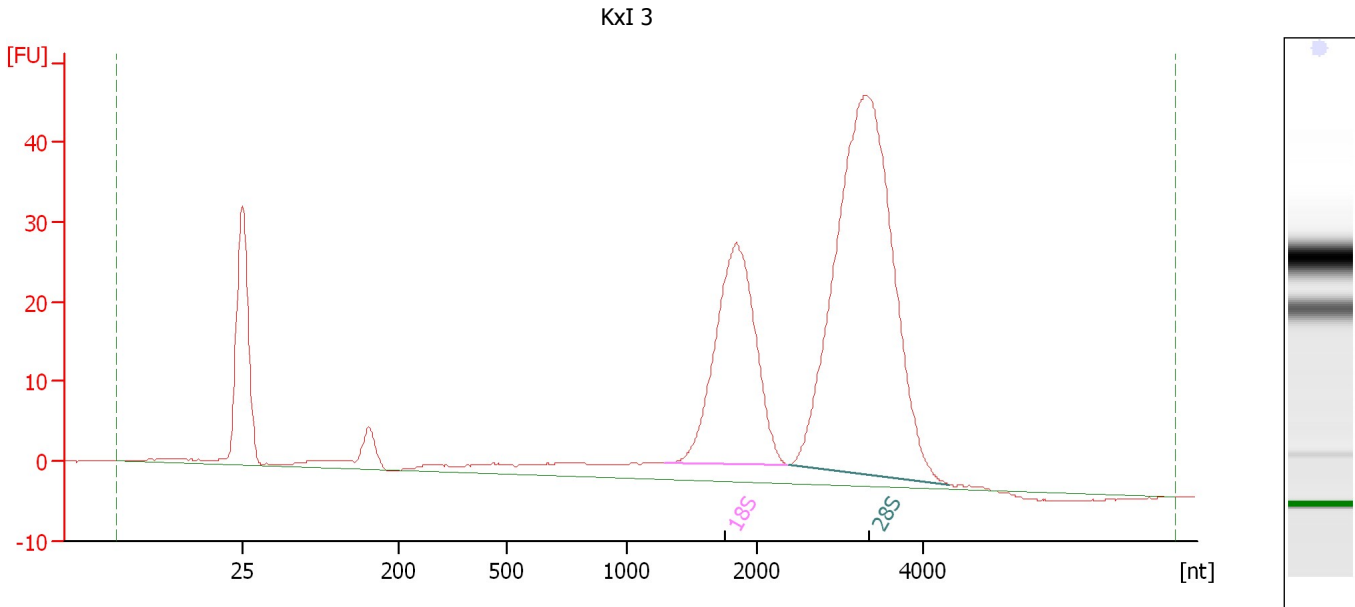
**Overall Results for sample 2 : KxI 2**

RNA Area:	17.4	RNA Integrity Number (RIN):	1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	266 µg/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:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
 Modified: 8/18/2016 2:00:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : KxI 3**

RNA Area:	522.5	RNA Integrity Number (RIN):	10 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	7,972 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]:	2.2	Result Flagging Label:	RIN:10

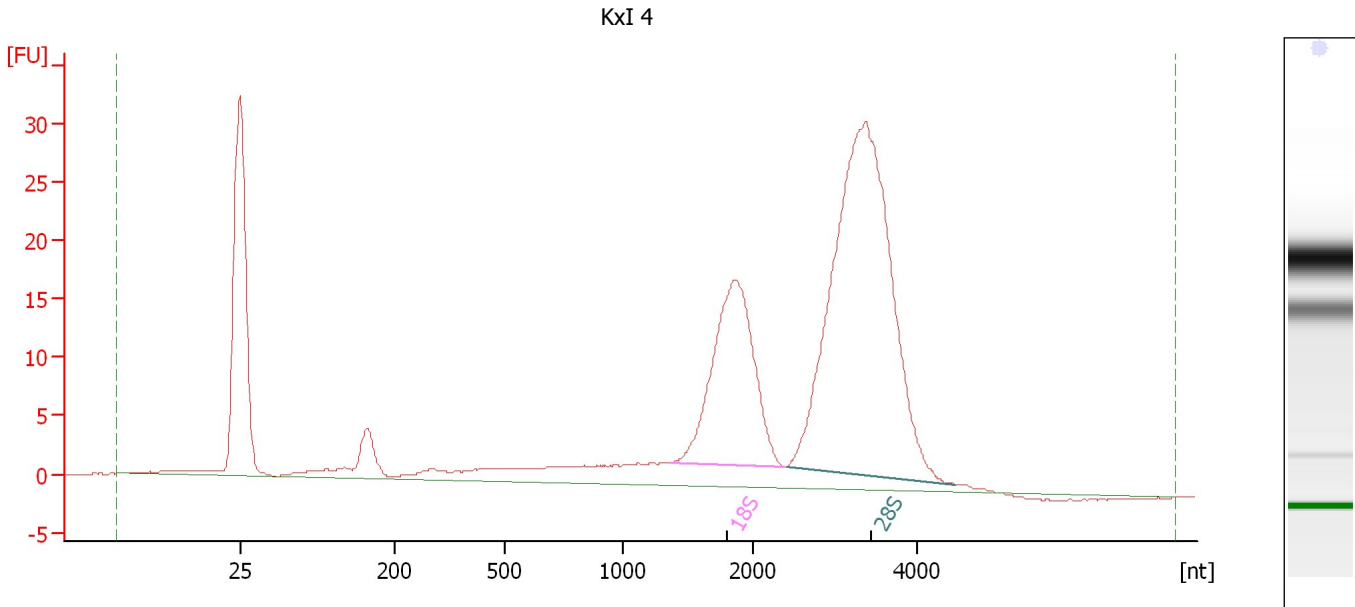
**Fragment table for sample 3 : KxI 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,295	2,356	126.0	24.1
28S	2,382	4,313	276.0	52.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
 Modified: 8/18/2016 2:00:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : KxI 4**

RNA Area:	359.8	RNA Integrity Number (RIN):	9.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,489 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]:	2.4	Result Flagging Label:	RIN: 9.60

**Fragment table for sample 4 : KxI 4**

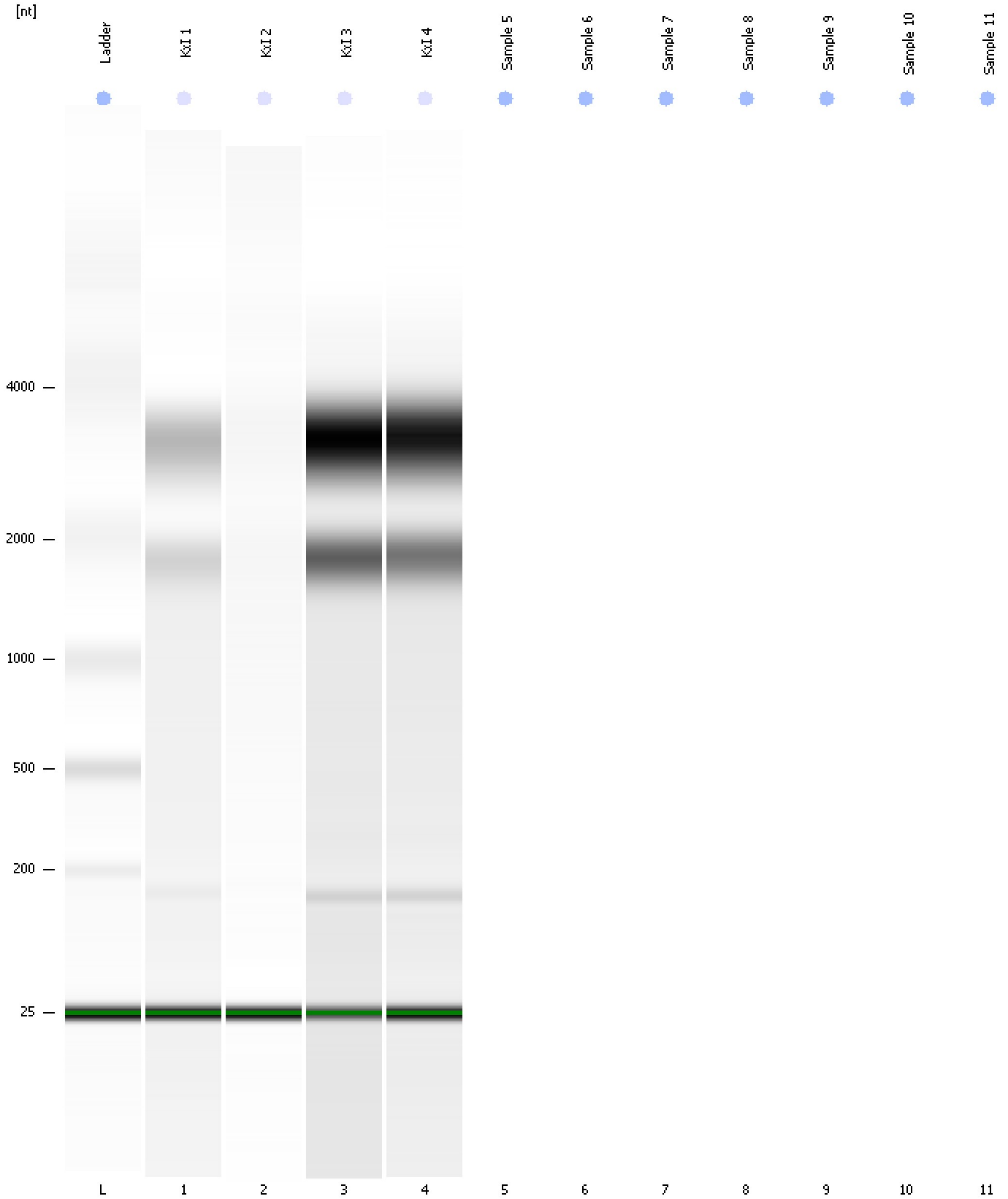
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,365	2,382	73.3	20.4
28S	2,408	4,464	178.0	49.5



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
Modified: 8/18/2016 2:00:14 PM

**Invalid Samples**

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:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18\_003.xad

Created: 8/18/2016 1:42:38 PM  
 Modified: 8/18/2016 2:00:14 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		8/18/2016 1:55:30 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\2016-08-18\2016-08-18_003.xad)		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/18/2016 1:42:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1