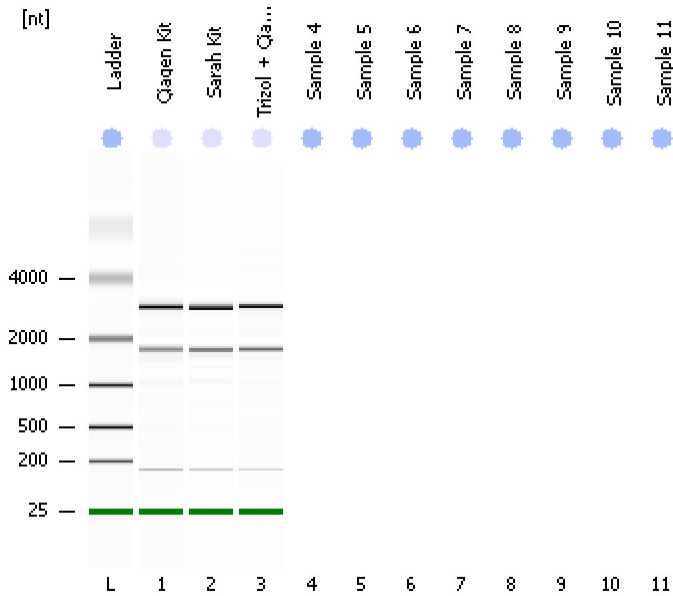


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Electrophoresis File Run Summary**



Instrument Information:

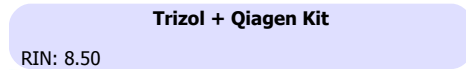
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
 Modified: 3/13/2014 2:52:26 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Qiagen Kit		✓	RIN: 8.50	
Sarah Kit		✓	RIN: 8.80	
Trizol + Qiagen Kit		✓	RIN: 8.50	
Sample 4			All Other Samples	
Sample 5			All Other Samples	
Sample 6			All Other Samples	
Sample 7			All Other Samples	
Sample 8			All Other Samples	
Sample 9			All Other Samples	
Sample 10			All Other Samples	
Sample 11			All Other Samples	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 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

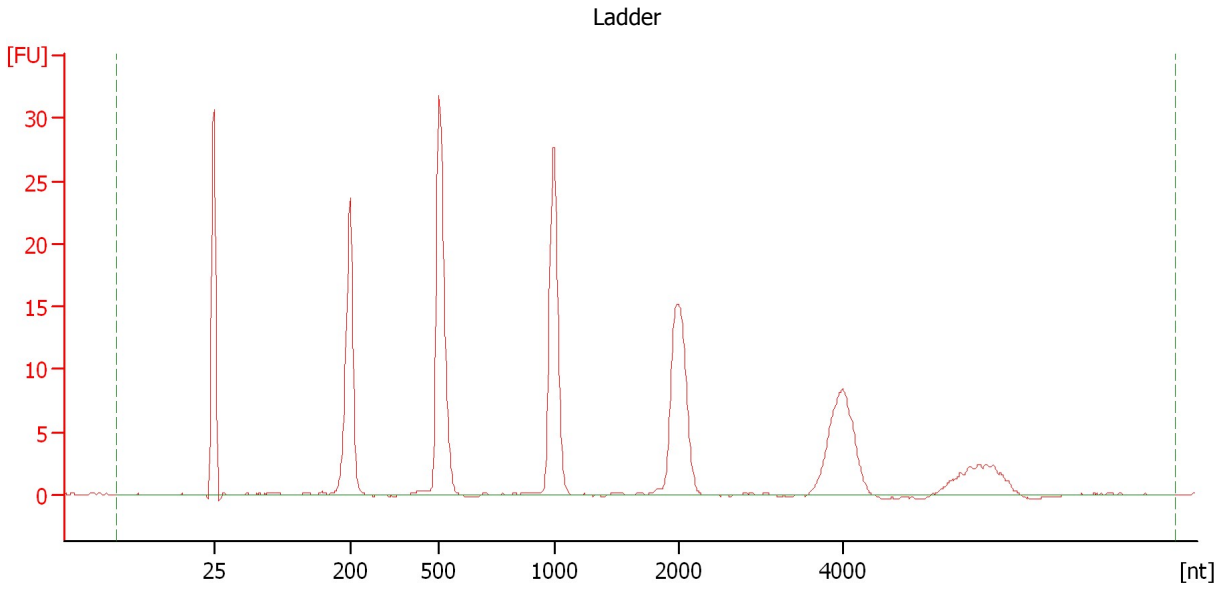
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Electropherogram Summary**



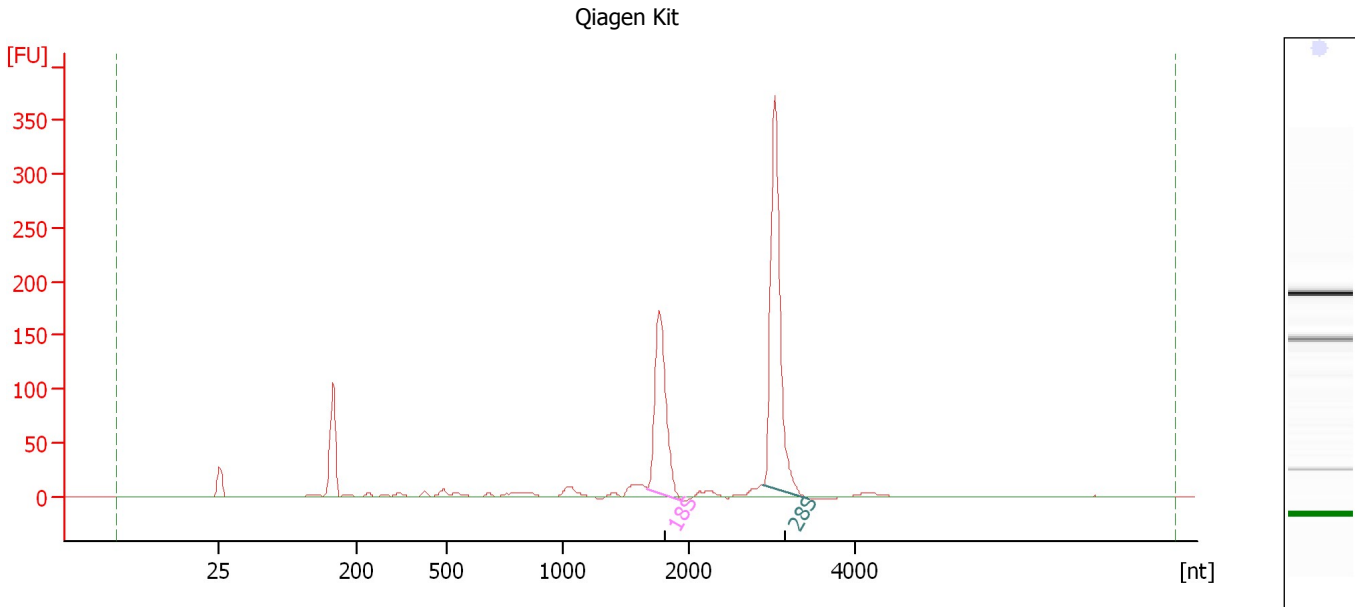
**Overall Results for Ladder**

RNA Area:	158.9	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\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
 Modified: 3/13/2014 2:52:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Qiagen Kit**

RNA Area:	846.7	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	5,327 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]:	1.7	Result Flagging Label:	RIN: 8.50

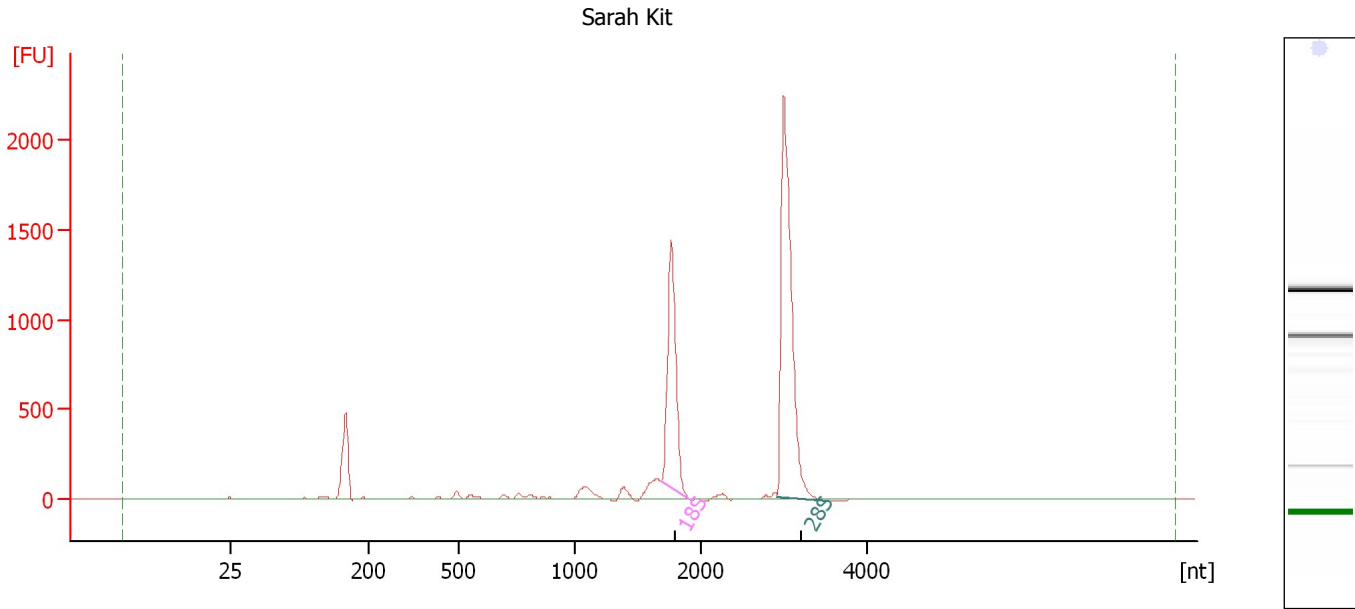
**Fragment table for sample 1 : Qiagen Kit**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	1,961	222.6	26.3
28S	2,906	3,445	367.8	43.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sarah Kit**

RNA Area: 5,049.9      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 31,775 pg/μl      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8      Result Flagging Label: RIN: 8.80

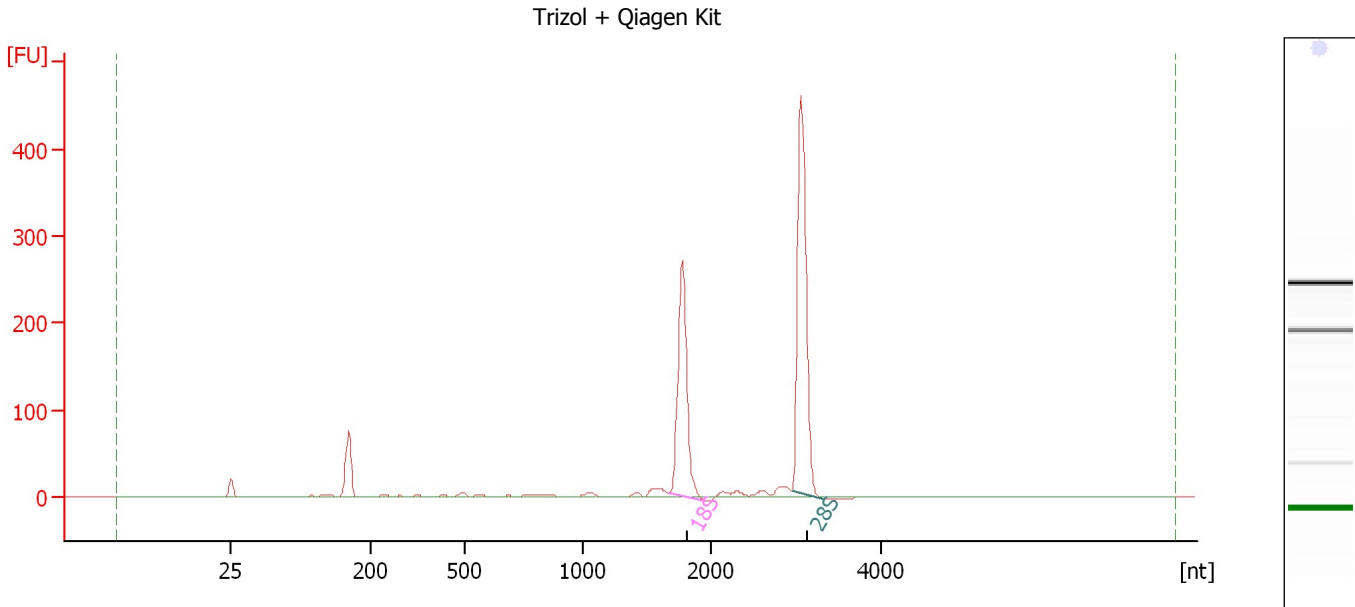
**Fragment table for sample 2 : Sarah Kit**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,906	1,365.6	27.0
28S	2,915	3,500	2,407.8	47.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Trizol + Qiagen Kit**

RNA Area: 866.0 RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 5,449 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.50

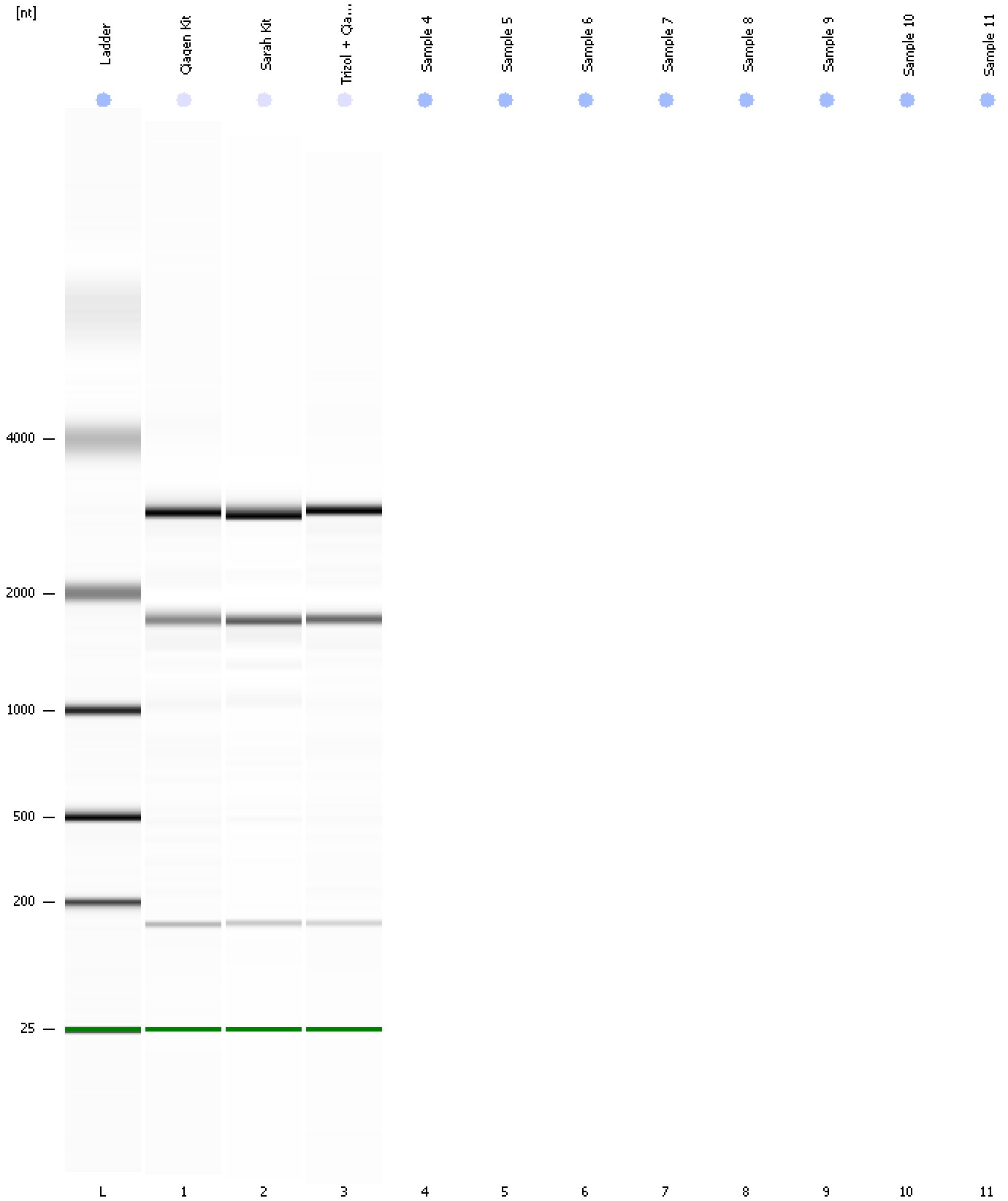
**Fragment table for sample 3 : Trizol + Qiagen Kit**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	1,954	288.7	33.3
28S	2,962	3,314	402.7	46.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-13\2014-03-13\_001.xad

Created: 3/13/2014 2:37:54 PM  
Modified: 3/13/2014 2:52:26 PM

**Invalid Samples**

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.