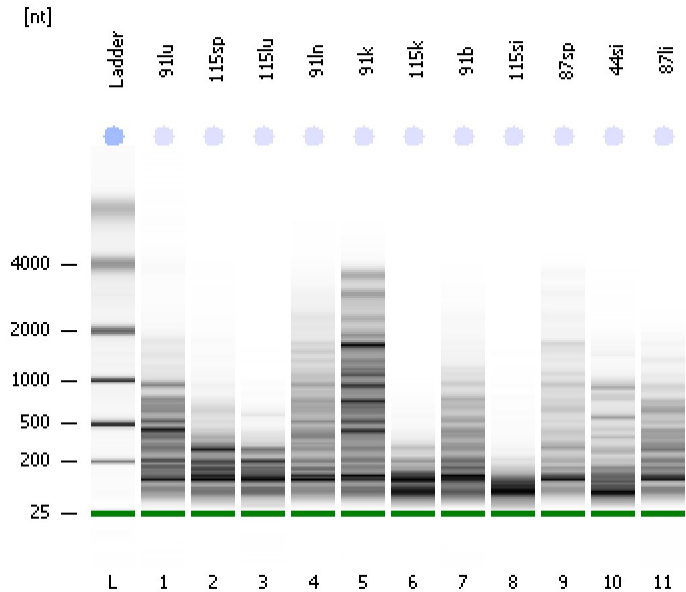


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

Electrophoresis File Run Summary



Instrument Information:

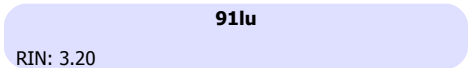
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
91lu		✓	RIN: 3.20	
115sp		✓	RIN: 2.20	
115lu		✓	RIN: 2.40	
91ln		✓	RIN: 2.50	
91k		✓	RIN: 3.70	
115k		✓	RIN: 2.40	
91b		✓	RIN: 2.30	
115si		✓	RIN: 2.60	
87sp		✓	RIN: 2.60	
44si		✓	RIN: 2.80	
87li		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

**Chip Lot #**

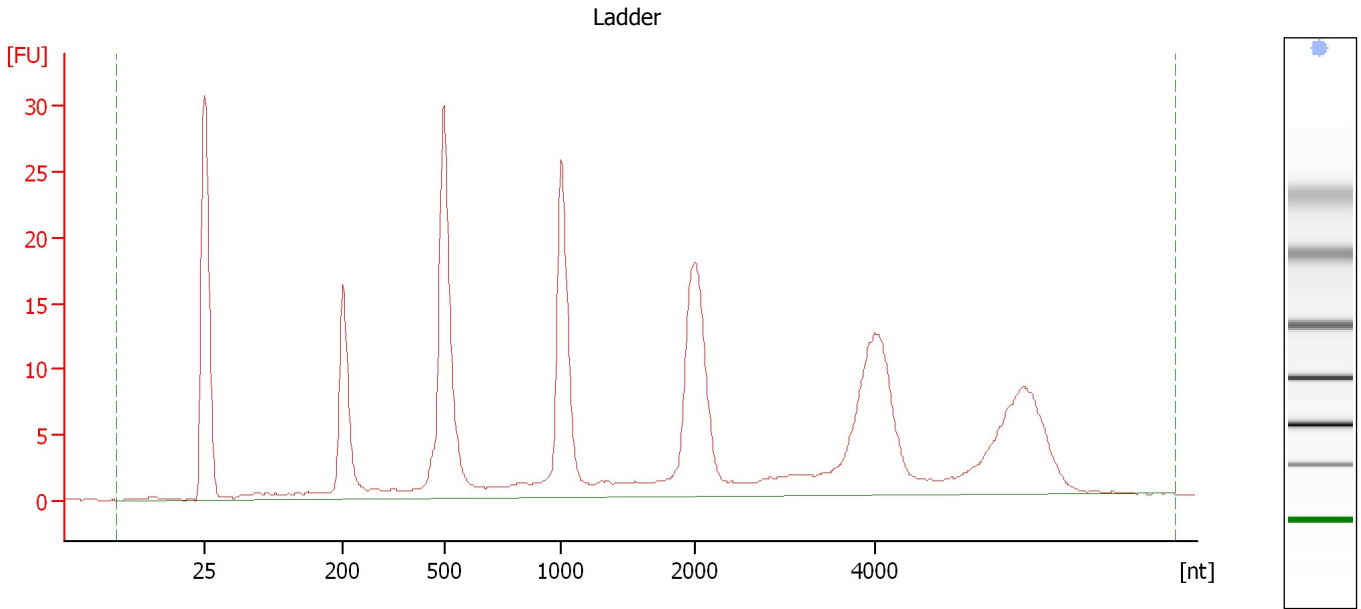
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Electropherogram Summary**



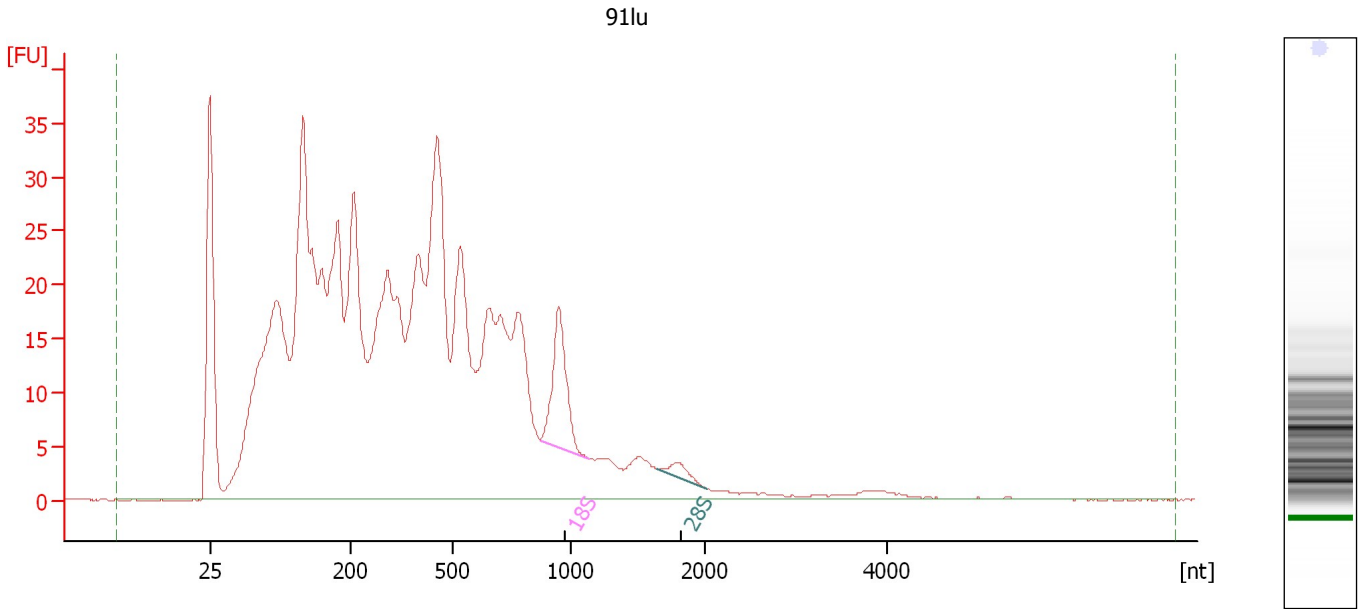
**Overall Results for Ladder**

RNA Area:	298.4	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\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 91lu**

RNA Area:	893.9	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	2,996 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]:	0.1	Result Flagging Label:	RIN: 3.20

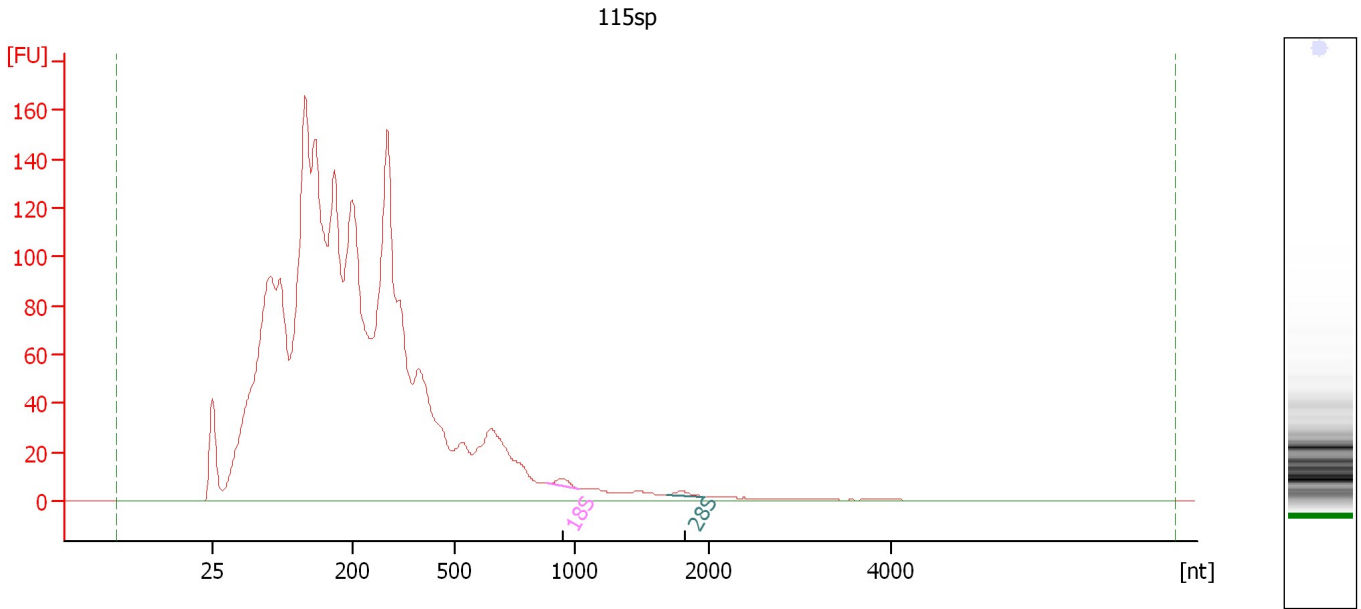
**Fragment table for sample 1 : 91lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	871	1,130	23.9	2.7
28S	1,644	2,013	3.2	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 115sp**

RNA Area: 3,090.7                      RNA Integrity Number (RIN): 2.2 (B.02.08)  
RNA Concentration: 10,357 pg/ $\mu$ l                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.5                      Result Flagging Label: RIN: 2.20

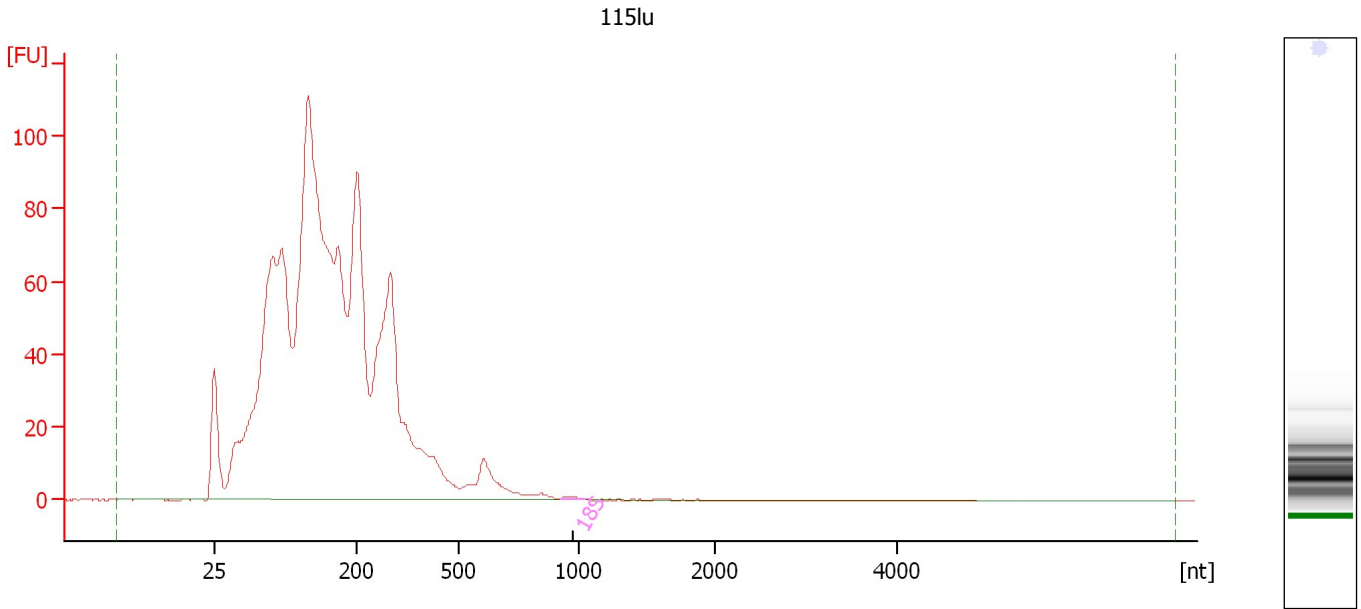
**Fragment table for sample 2 : 115sp**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	888	1,031	5.2	0.2
28S	1,686	1,946	2.7	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 115lu**

RNA Area:	1,644.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	5,511 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: 2.40

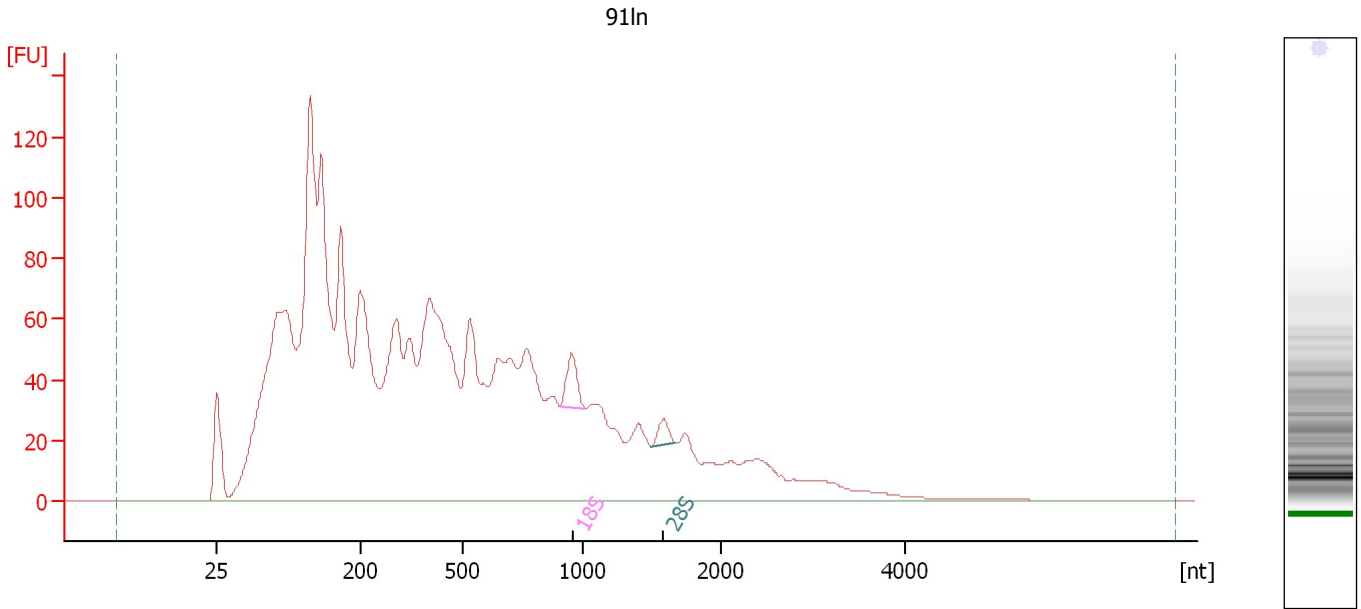
**Fragment table for sample 3 : 115lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	926	1,052	1.0	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 91In**

RNA Area: 3,005.0                      RNA Integrity Number (RIN): 2.5 (B.02.08)  
RNA Concentration: 10,070 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.4                      Result Flagging Label: RIN: 2.50

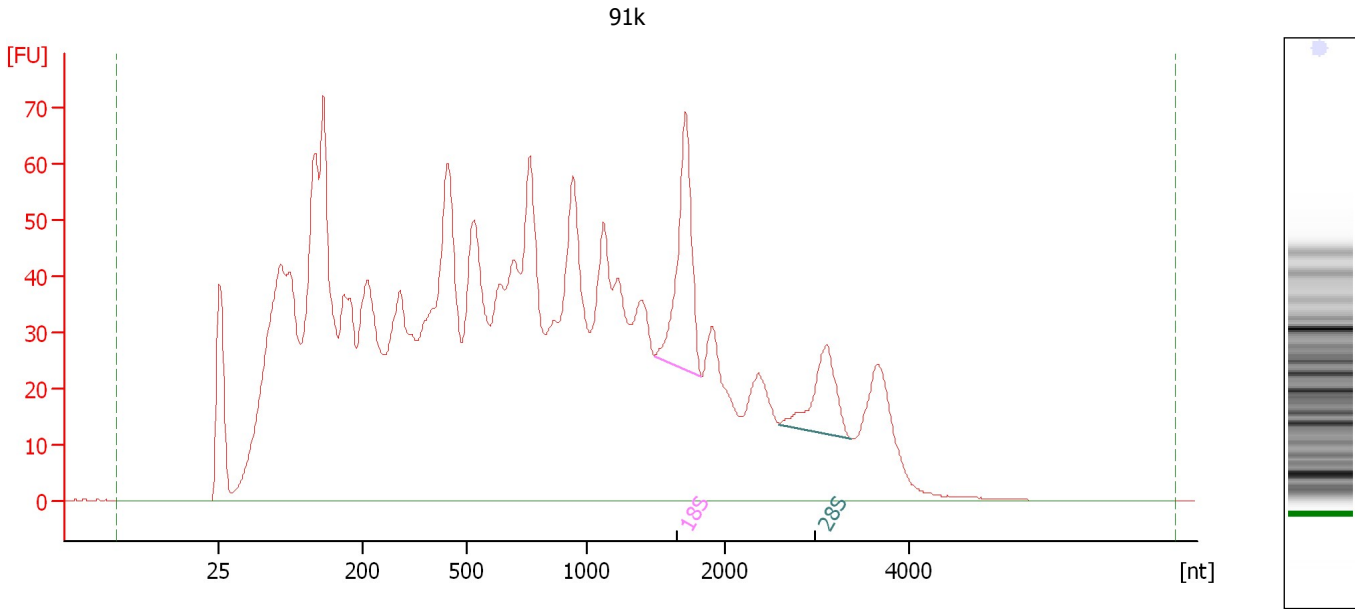
**Fragment table for sample 4 : 91In**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	904	1,011	24.8	0.8
28S	1,495	1,674	10.7	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 91k**

RNA Area:	2,585.1	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	8,663 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]:	0.5	Result Flagging Label:	RIN: 3.70

**Fragment table for sample 5 : 91k**

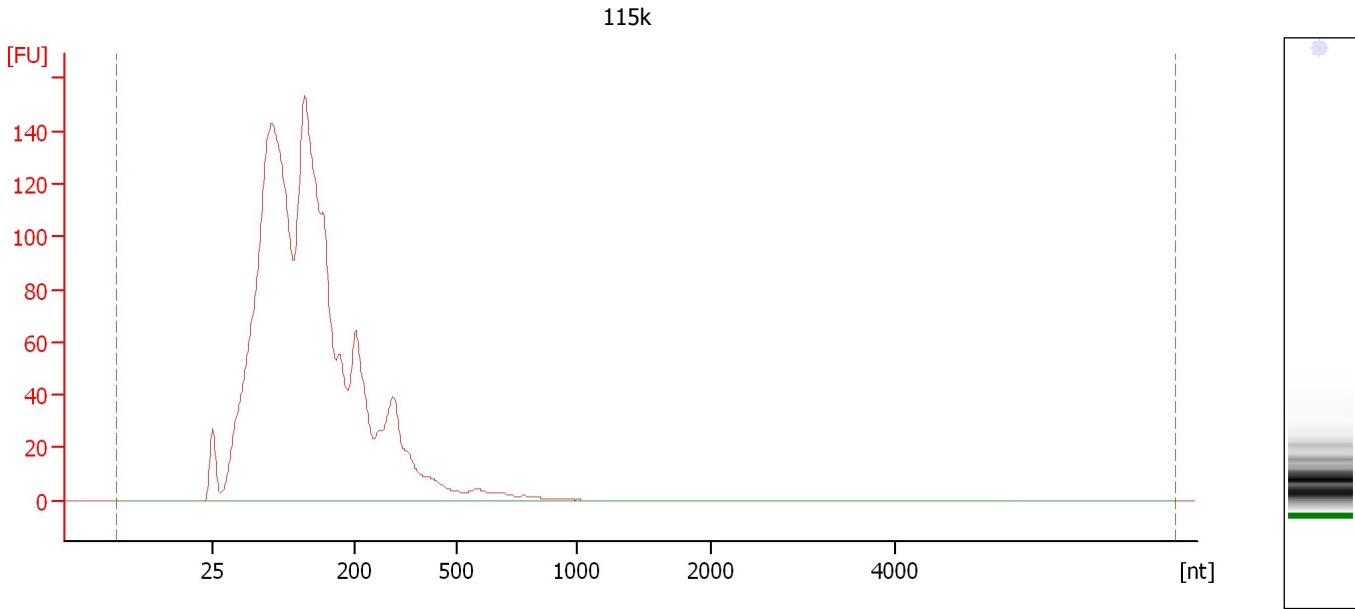
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,832	74.1	2.9
28S	2,594	3,368	36.2	1.4



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
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**Electropherogram Summary Continued ...**



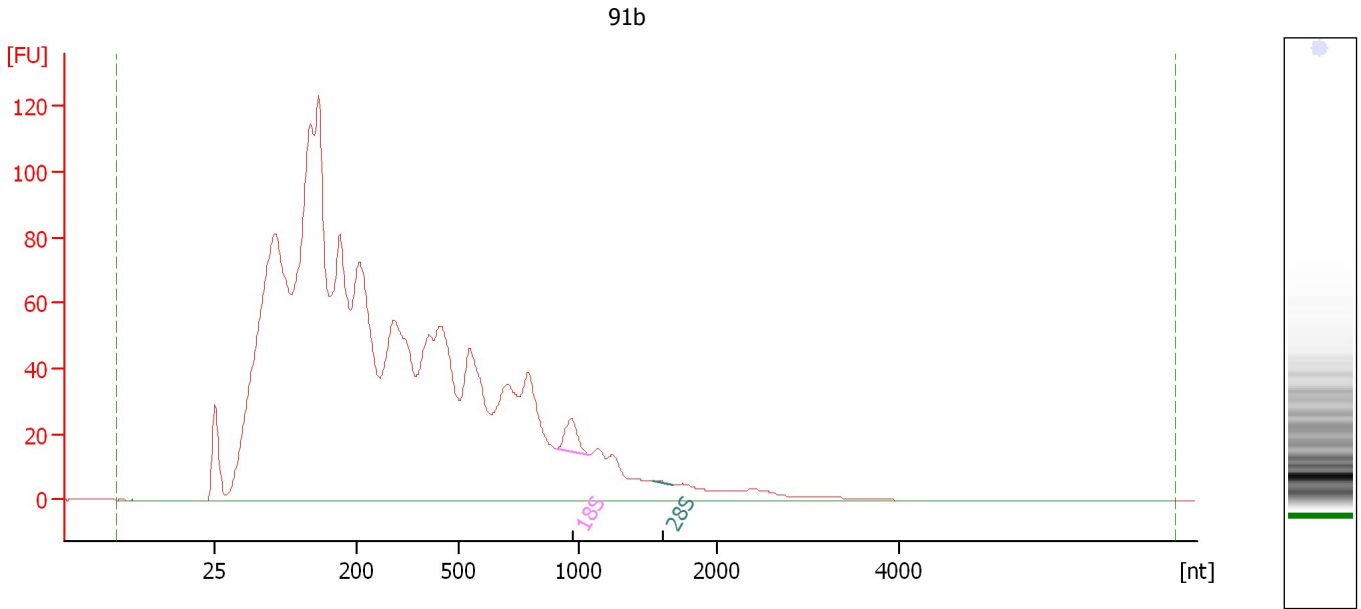
**Overall Results for sample 6 : 115k**

RNA Area:	2,270.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	7,610 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: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 91b**

RNA Area:	2,652.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	8,888 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: 2.30

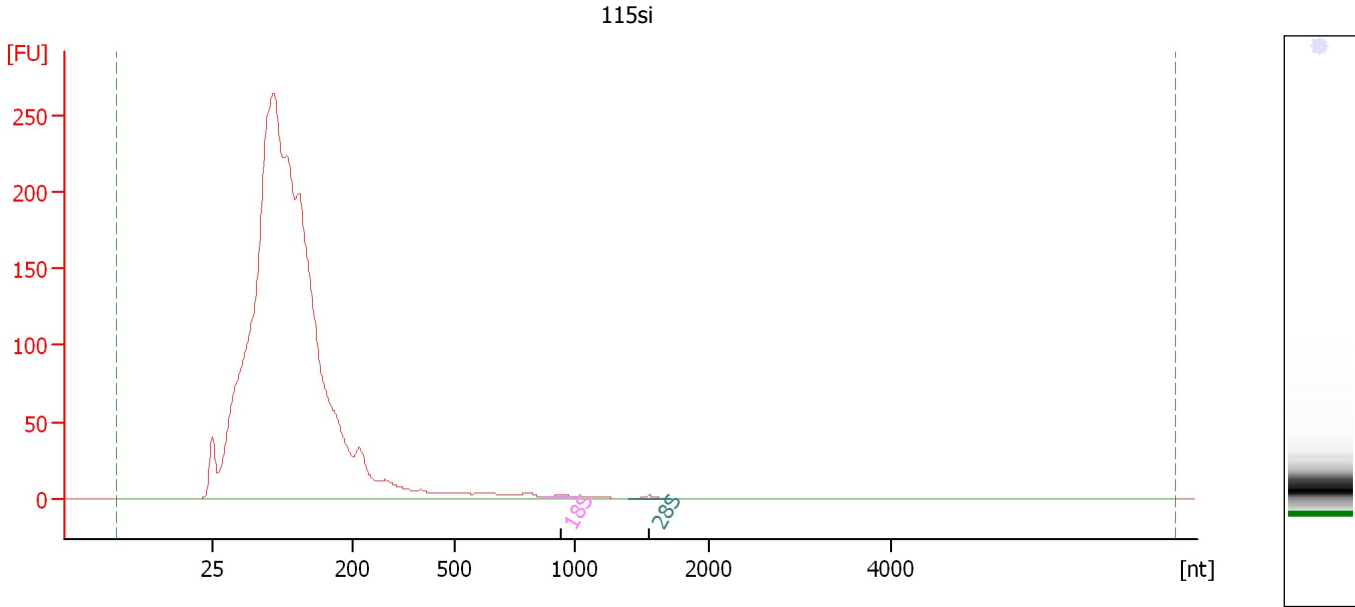
**Fragment table for sample 7 : 91b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	901	1,069	16.5	0.6
28S	1,539	1,688	0.6	0.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 115si**

RNA Area:	3,120.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	10,457 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]:	1.0	Result Flagging Label:	RIN: 2.60

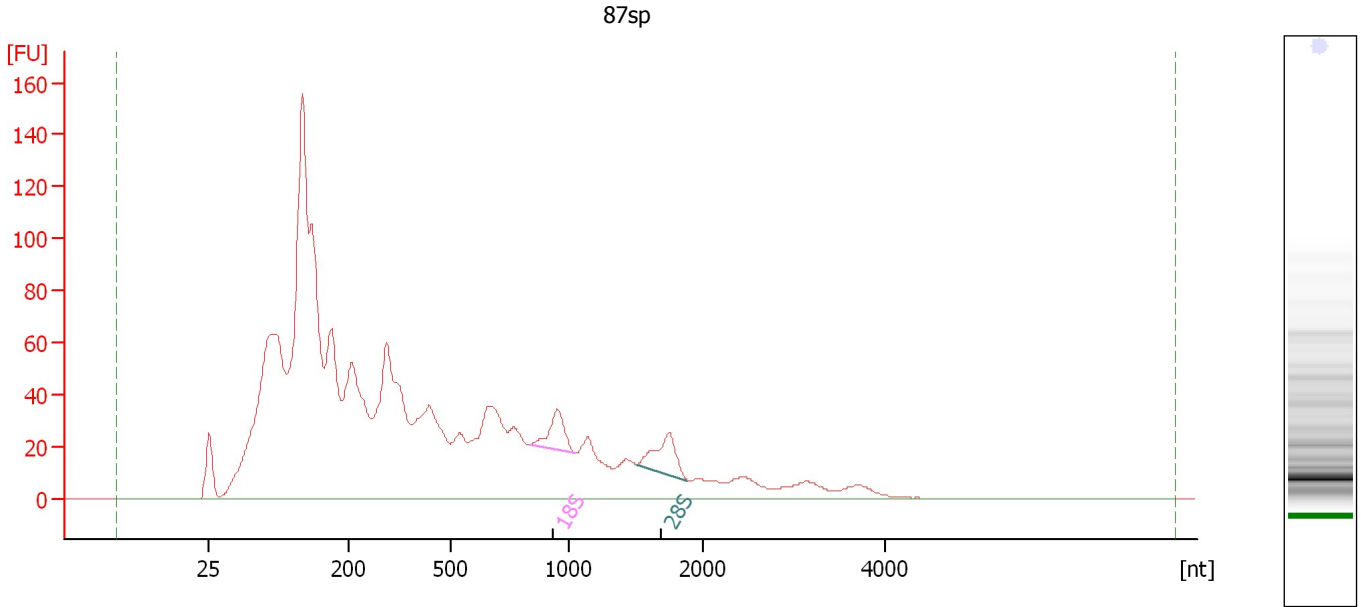
**Fragment table for sample 8 : 115si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	883	1,024	3.4	0.1
28S	1,402	1,709	3.4	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 87sp**

RNA Area:	2,360.4	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	7,910 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]:	1.2	Result Flagging Label:	RIN: 2.60

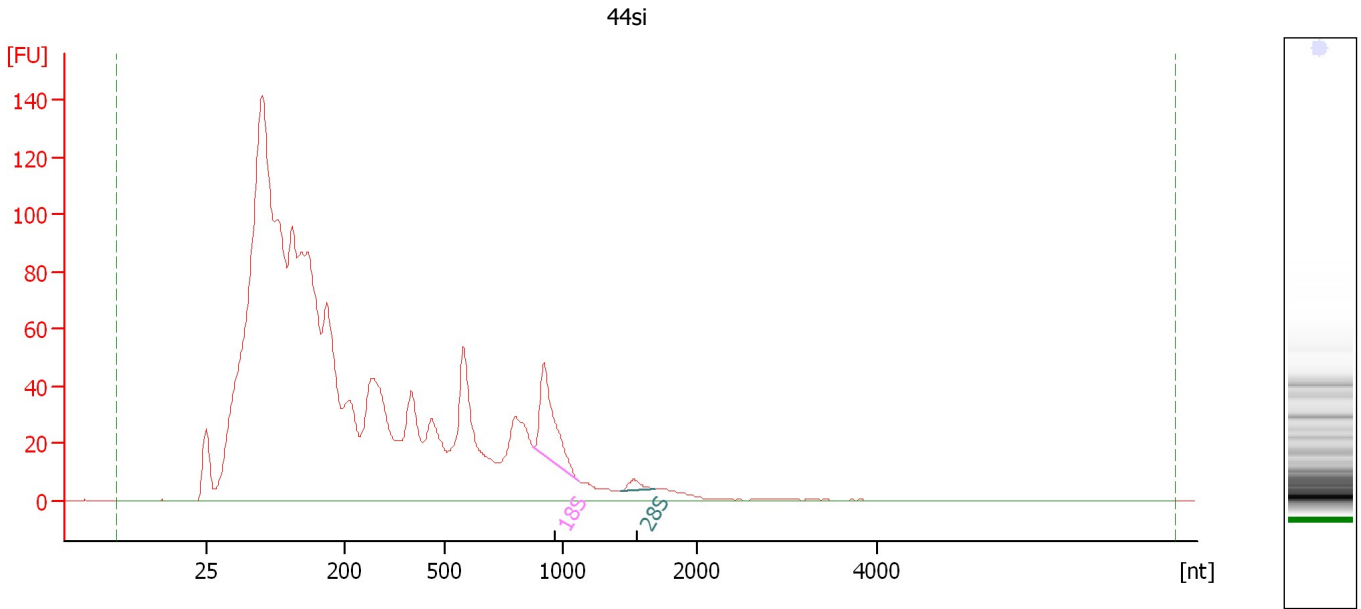
**Fragment table for sample 9 : 87sp**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	838	1,048	31.4	1.3
28S	1,509	1,881	36.9	1.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 44si**

RNA Area:	2,446.9	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	8,200 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]:	0.1	Result Flagging Label:	RIN: 2.80

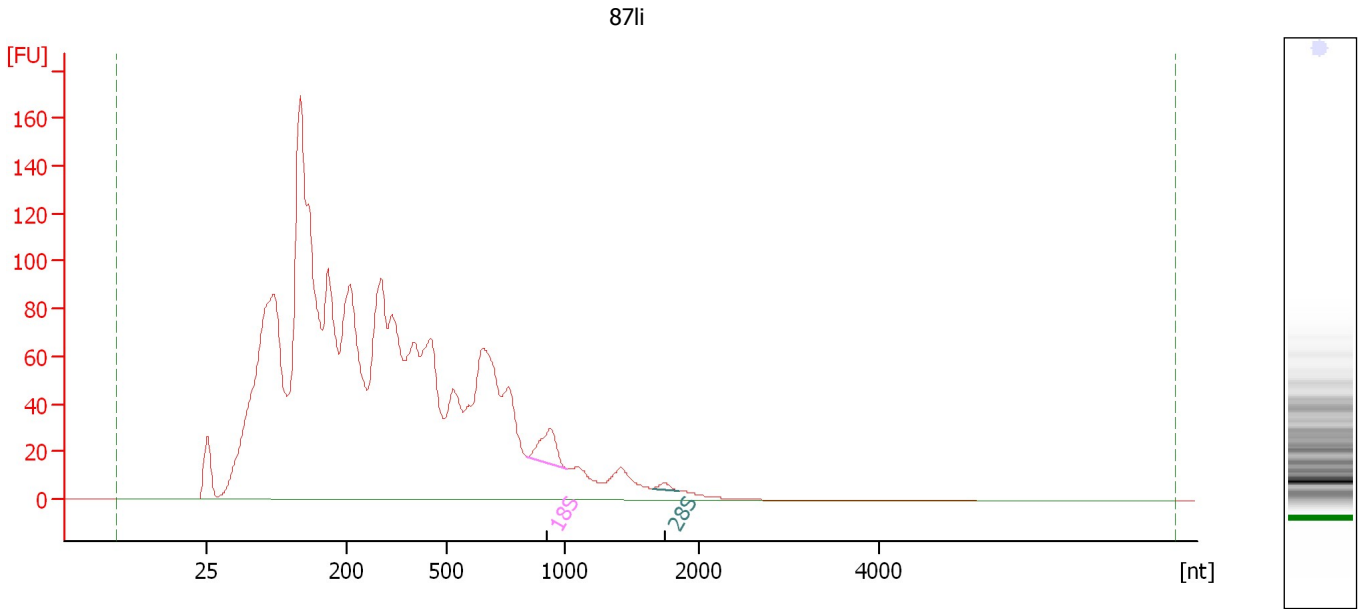
**Fragment table for sample 10 : 44si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	874	1,114	63.6	2.6
28S	1,425	1,688	6.0	0.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
 Modified: 7/27/2017 10:57:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 87li**

RNA Area:	3,019.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	10,120 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]:	0.1	Result Flagging Label:	RIN: 2.30

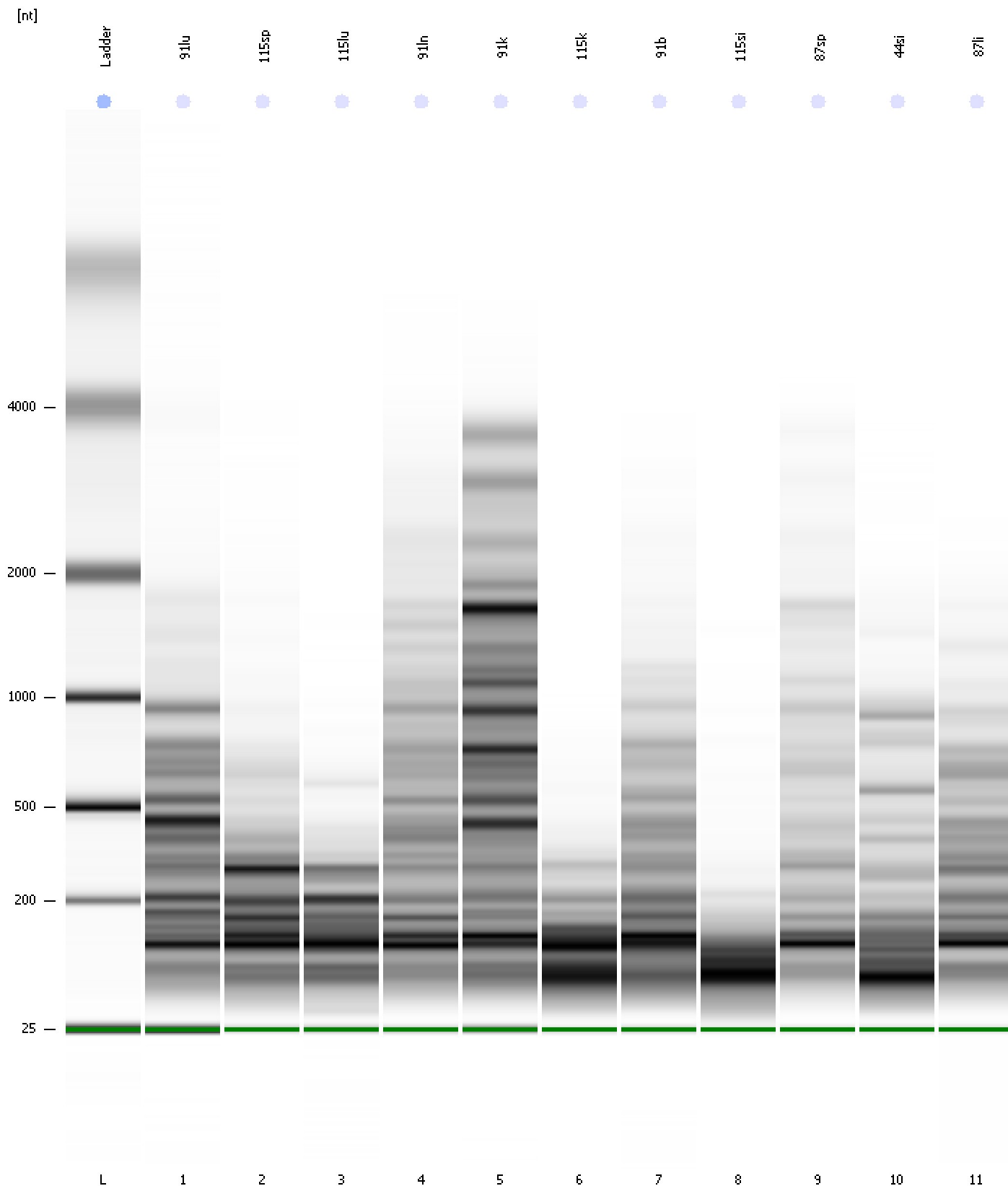
**Fragment table for sample 11 : 87li**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	1,012	31.5	1.0
28S	1,657	1,849	3.5	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-27\2017-07-27\_002.xad

Created: 7/27/2017 10:35:05 AM  
Modified: 7/27/2017 10:57:14 AM

**Curves**

**Standard Curve**

