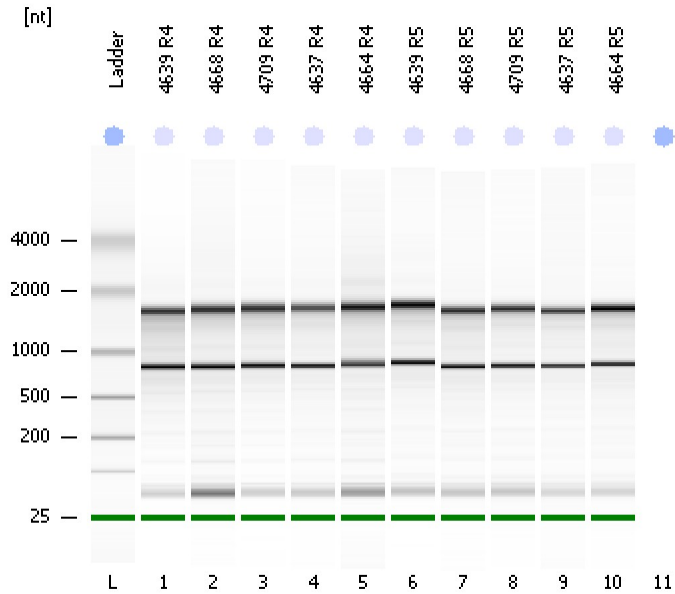


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

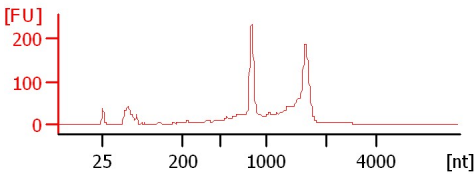
Assay Information:

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.

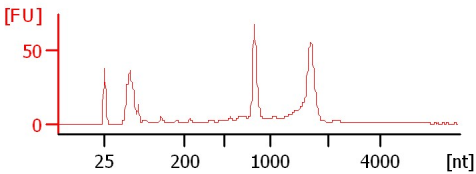
Chip Information:

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

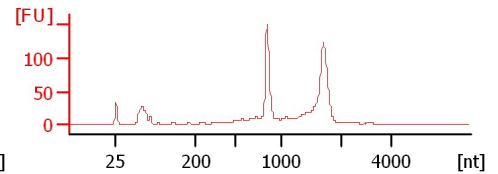
**4639 R4**  
RIN: 8.50



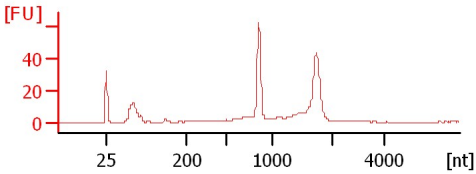
**4668 R4**  
RIN: 8.90



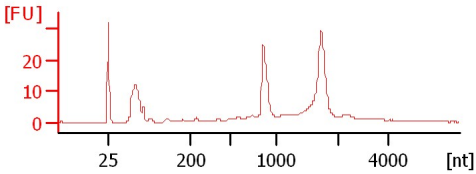
**4709 R4**  
RIN: 8.90



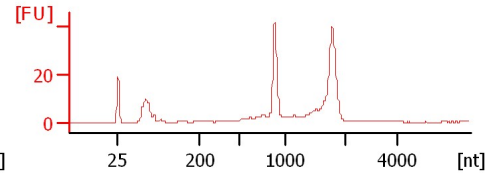
**4637 R4**  
RIN: 9



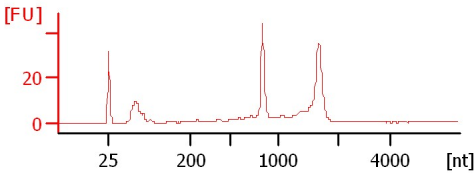
**4664 R4**  
RIN: 9.10



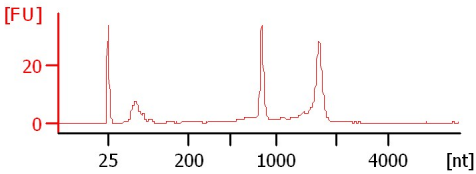
**4639 R5**  
RIN: 9



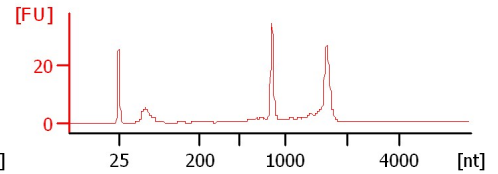
**4668 R5**  
RIN: 8.90



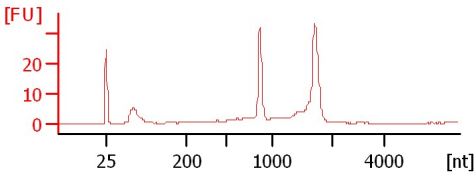
**4709 R5**  
RIN: 9.20



**4637 R5**  
RIN: 9.20



**4664 R5**  
RIN: 9.10



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
 Modified: 8/28/2017 3:16:10 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
4639 R4		✓	RIN: 8.50	
4668 R4		✓	RIN: 8.90	
4709 R4		✓	RIN: 8.90	
4637 R4		✓	RIN:9	
4664 R4		✓	RIN: 9.10	
4639 R5		✓	RIN:9	
4668 R5		✓	RIN: 8.90	
4709 R5		✓	RIN: 9.20	
4637 R5		✓	RIN: 9.20	
4664 R5		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 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

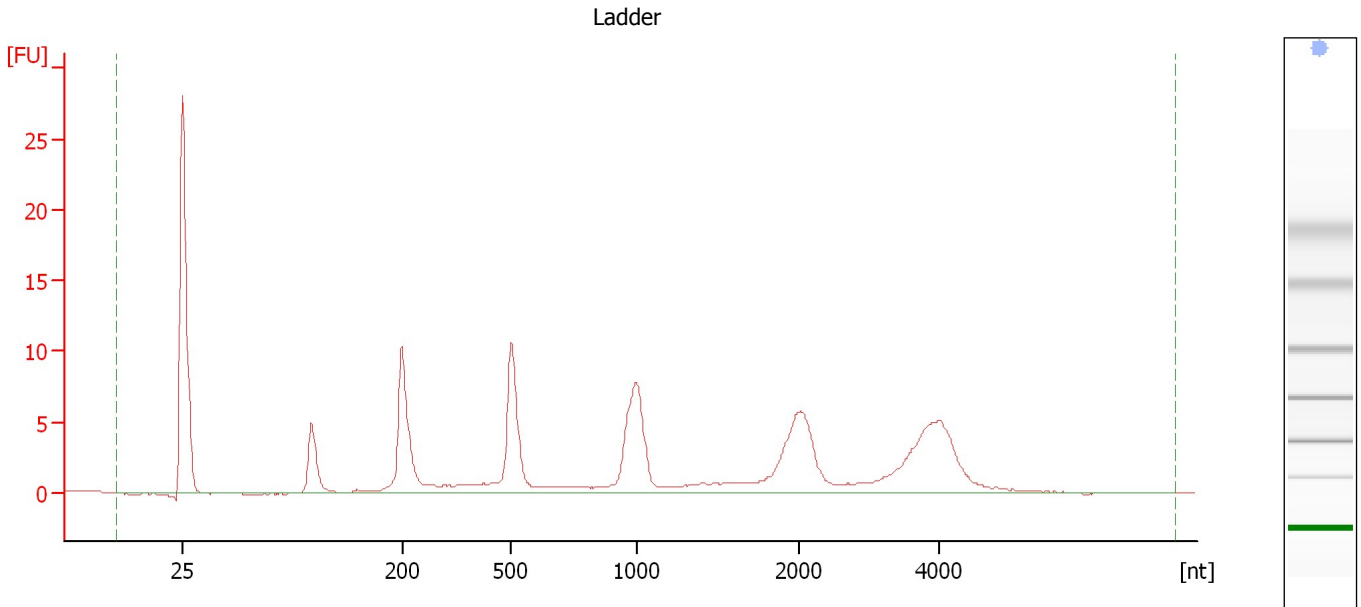
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary**



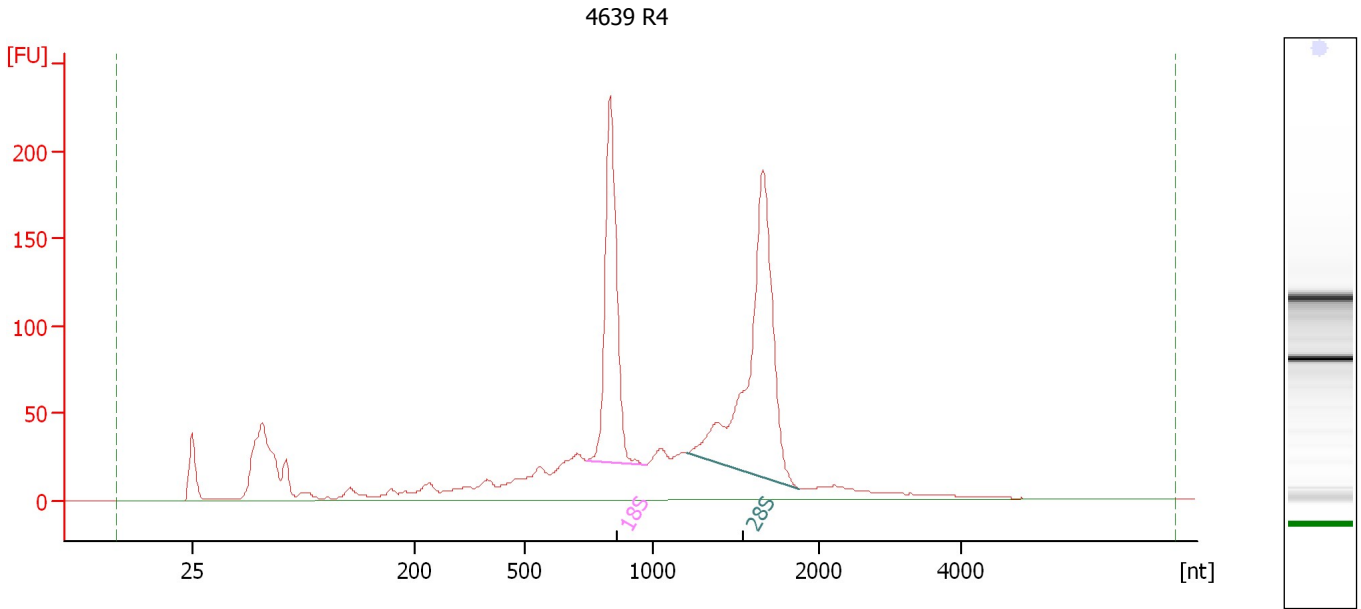
**Overall Results for Ladder**

RNA Area:	119.5	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:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 4639 R4**

RNA Area: 1,809.9      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 15,148 pg/μl      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5      Result Flagging Label: RIN: 8.50

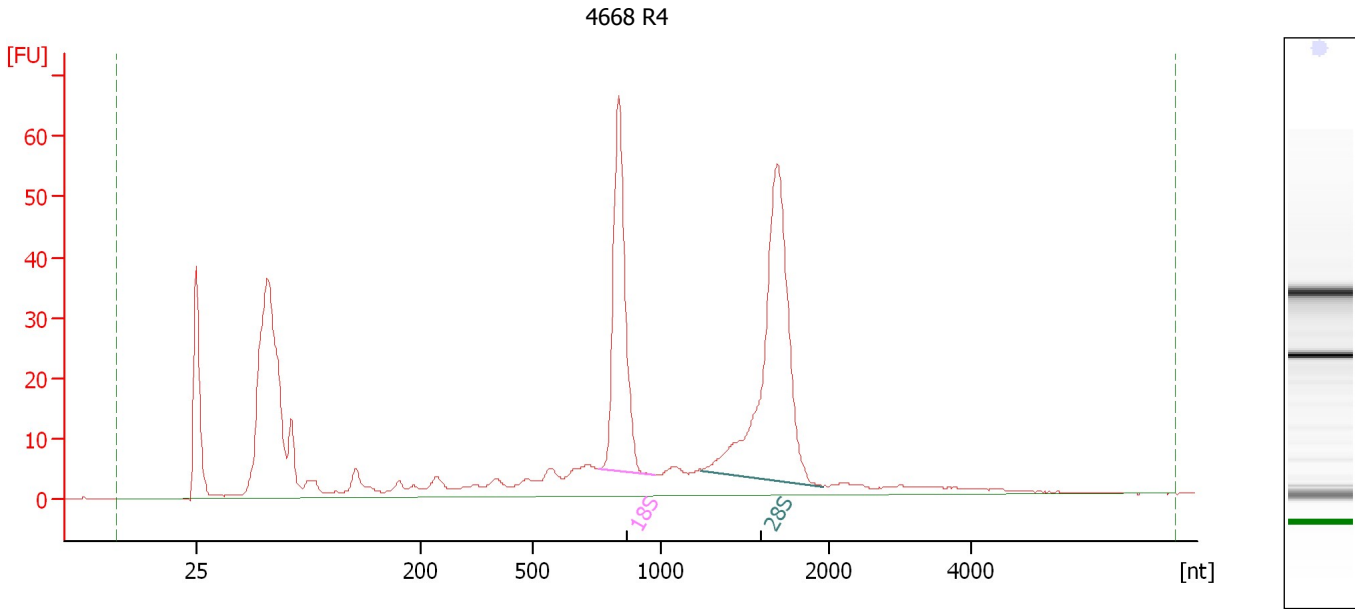
**Fragment table for sample 1 : 4639 R4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	741	972	303.8	16.8
28S	1,208	1,883	466.1	25.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 4668 R4**

RNA Area: 579.0                      RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 4,846 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6                      Result Flagging Label: RIN: 8.90

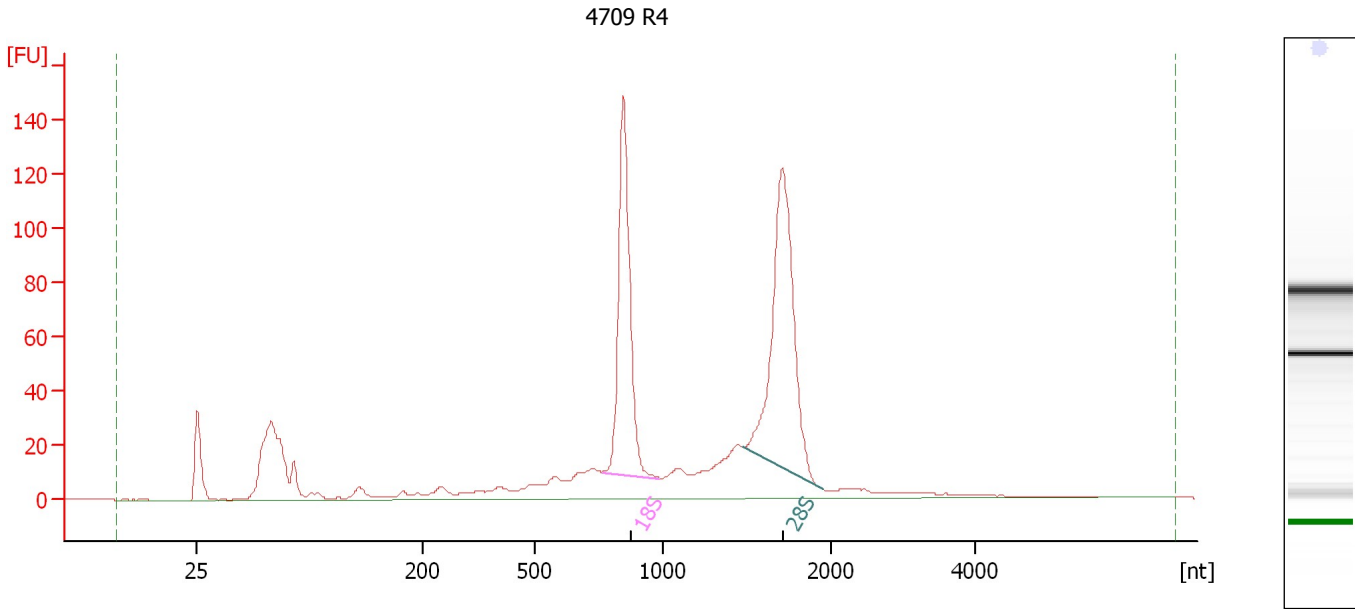
**Fragment table for sample 2 : 4668 R4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	757	978	90.4	15.6
28S	1,240	1,966	141.3	24.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 4709 R4**

RNA Area: 981.1                      RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 8,211 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3                      Result Flagging Label: RIN: 8.90

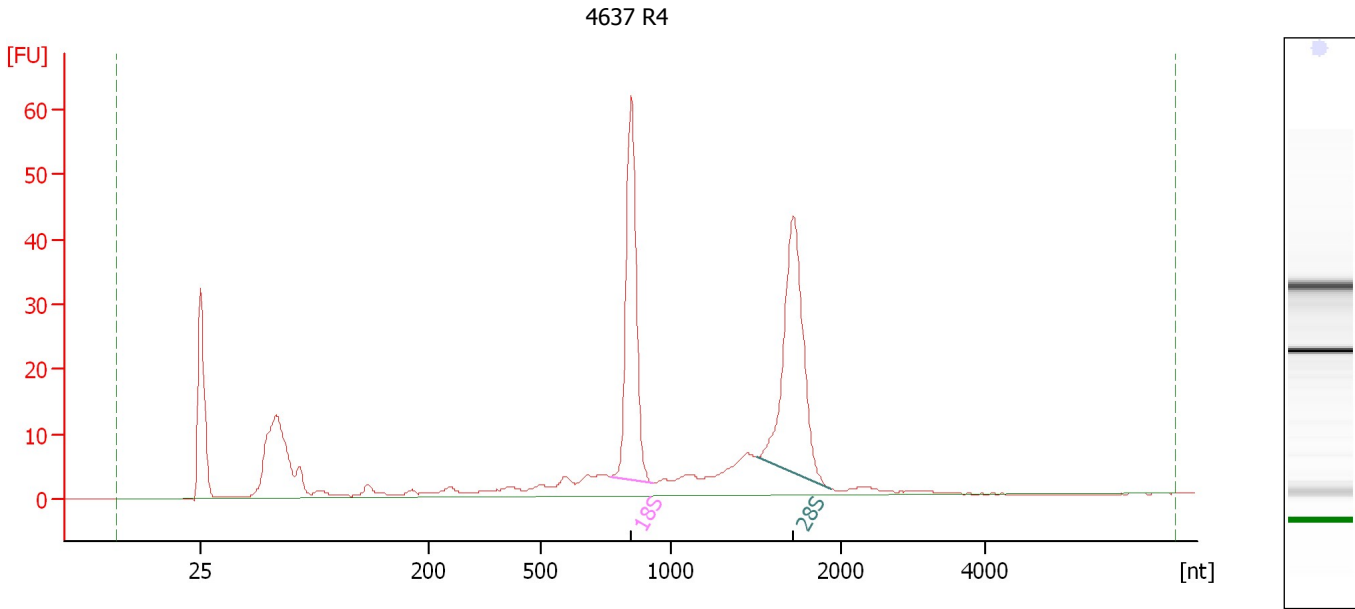
**Fragment table for sample 3 : 4709 R4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	762	986	194.1	19.8
28S	1,475	1,945	252.7	25.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4637 R4**

RNA Area: 335.1                      RNA Integrity Number (RIN): 9 (B.02.08)  
RNA Concentration: 2,805 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1                      Result Flagging Label: RIN:9

**Fragment table for sample 4 : 4637 R4**

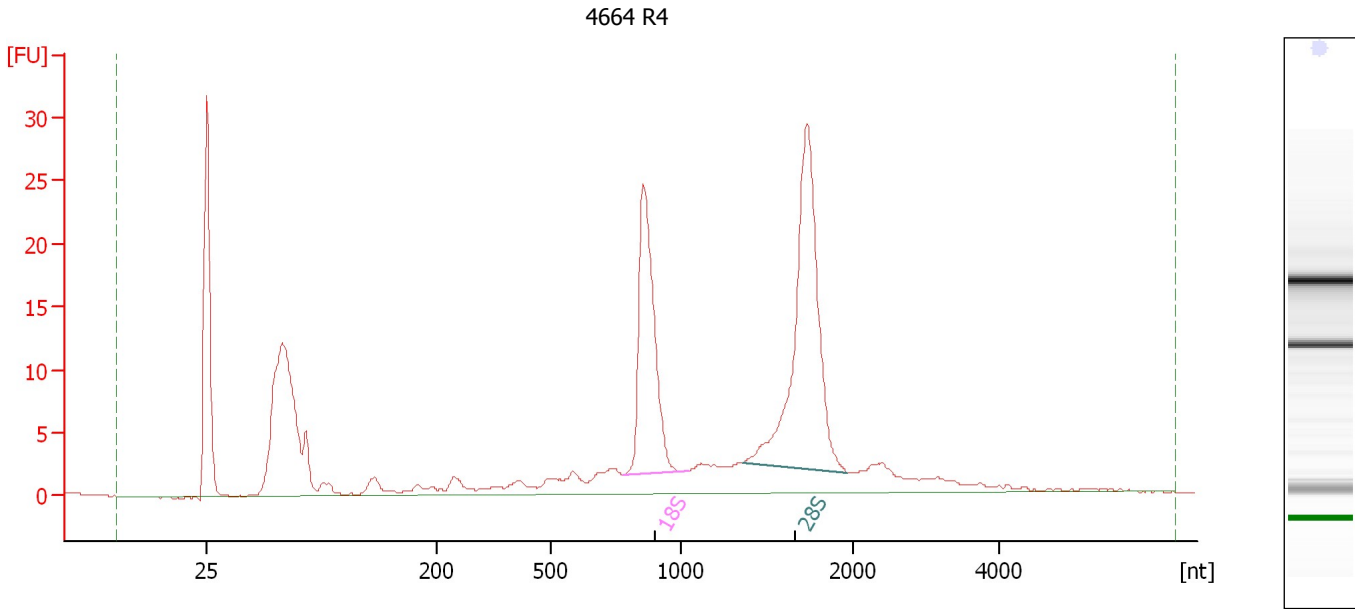
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	765	926	73.6	22.0
28S	1,504	1,945	81.9	24.4



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 4664 R4**

RNA Area: 255.4                      RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 2,138 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6              Result Flagging Label: RIN: 9.10

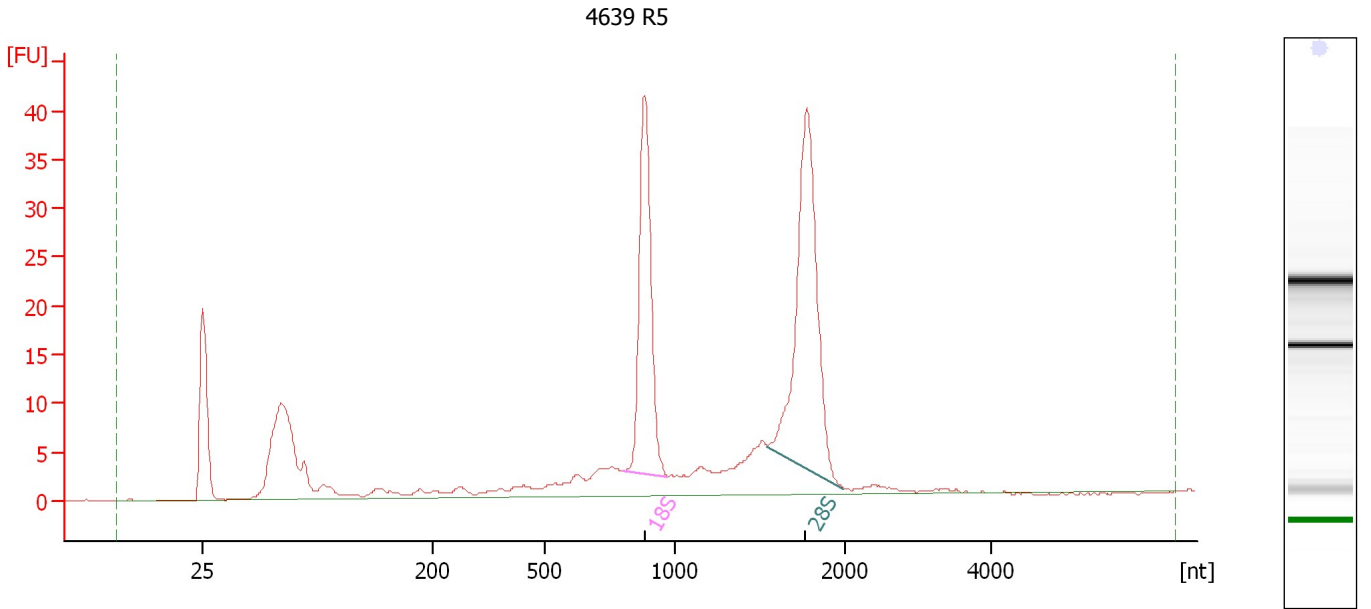
**Fragment table for sample 5 : 4664 R4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	777	1,039	42.5	16.6
28S	1,357	1,968	65.9	25.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 4639 R5**

RNA Area: 284.8                      RNA Integrity Number (RIN): 9 (B.02.08)  
RNA Concentration: 2,384 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN:9

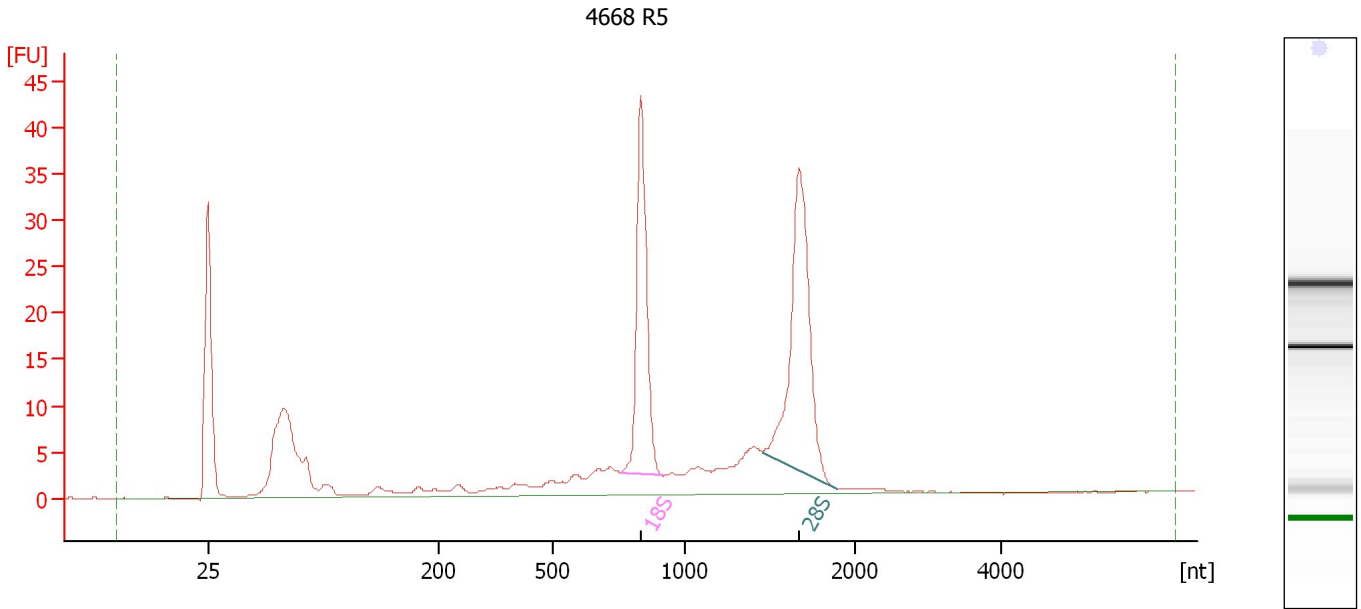
**Fragment table for sample 6 : 4639 R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	799	967	54.8	19.2
28S	1,540	1,985	77.3	27.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 4668 R5**

RNA Area: 257.9                      RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 2,159 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3                      Result Flagging Label: RIN: 8.90

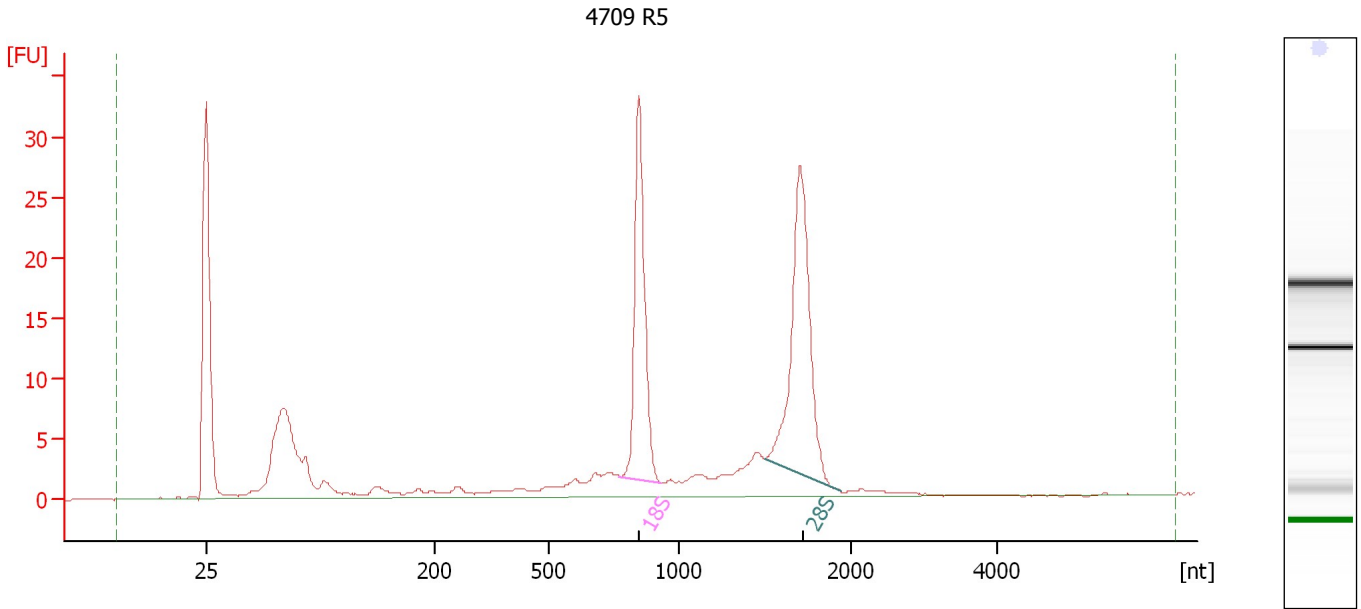
**Fragment table for sample 7 : 4668 R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	757	916	48.9	19.0
28S	1,456	1,892	63.5	24.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 4709 R5**

RNA Area: 202.6                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 1,696 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2                      Result Flagging Label: RIN: 9.20

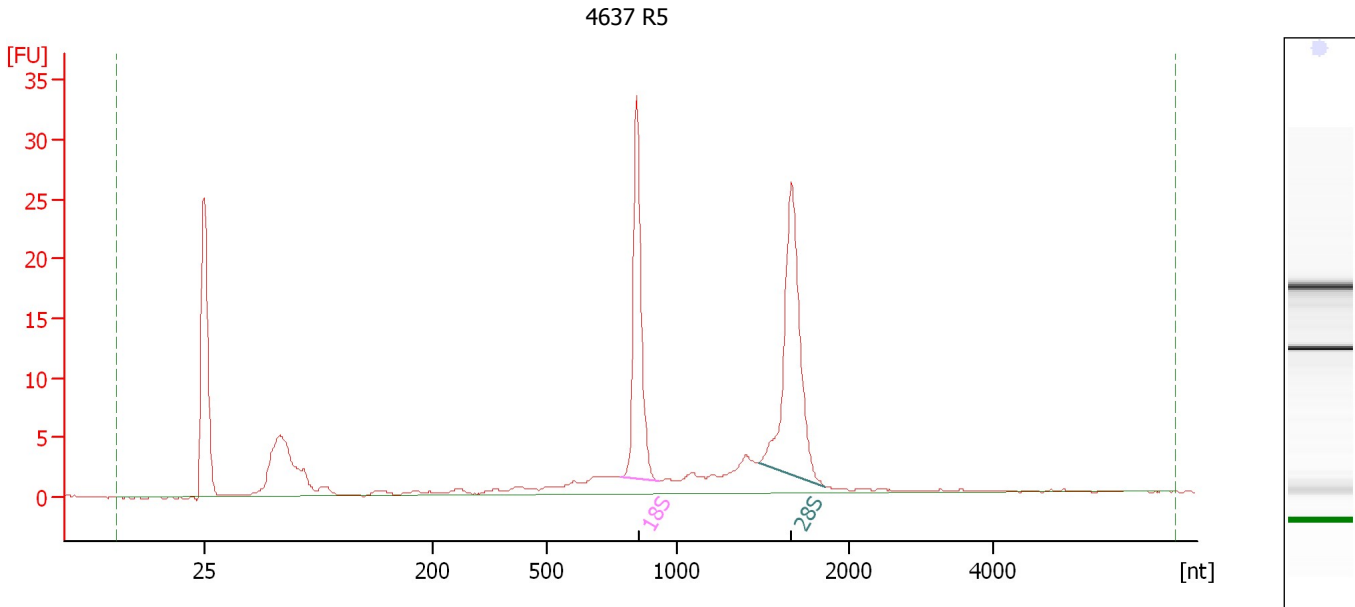
**Fragment table for sample 8 : 4709 R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	768	927	38.9	19.2
28S	1,495	1,938	48.4	23.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 4637 R5**

RNA Area:	155.5	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	1,302 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]:	1.3	Result Flagging Label:	RIN: 9.20

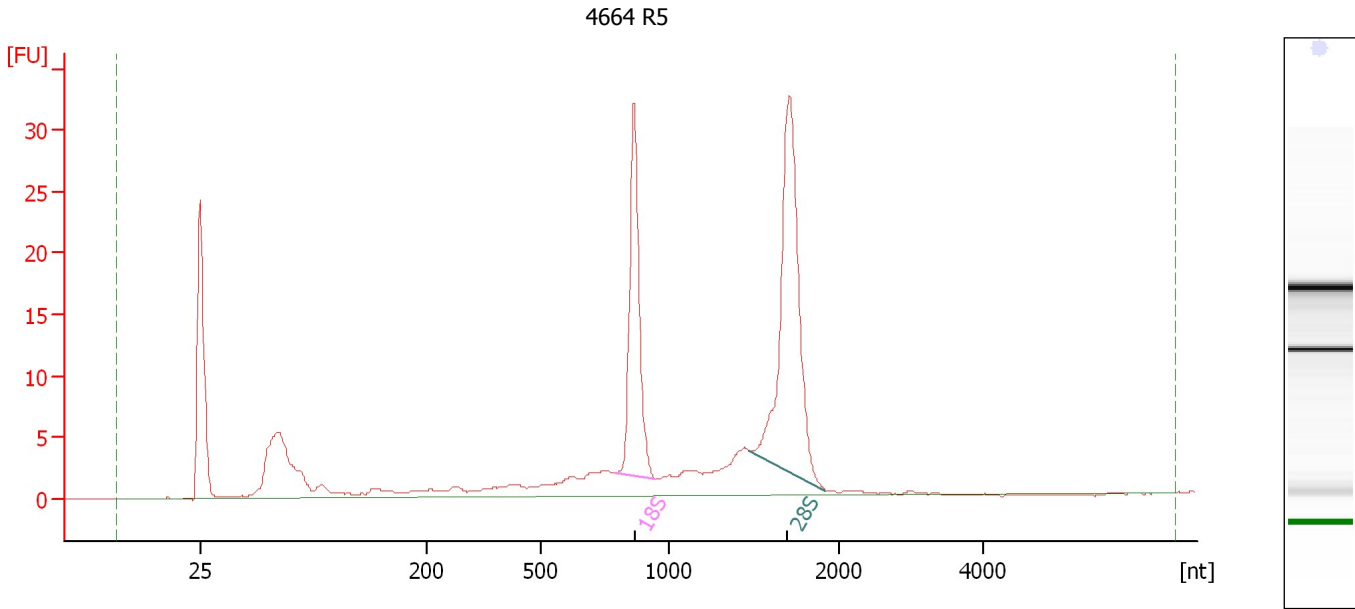
**Fragment table for sample 9 : 4637 R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	779	927	32.2	20.7
28S	1,470	1,865	40.4	26.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 4664 R5**

RNA Area: 195.1                      RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 1,633 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6                      Result Flagging Label: RIN: 9.10

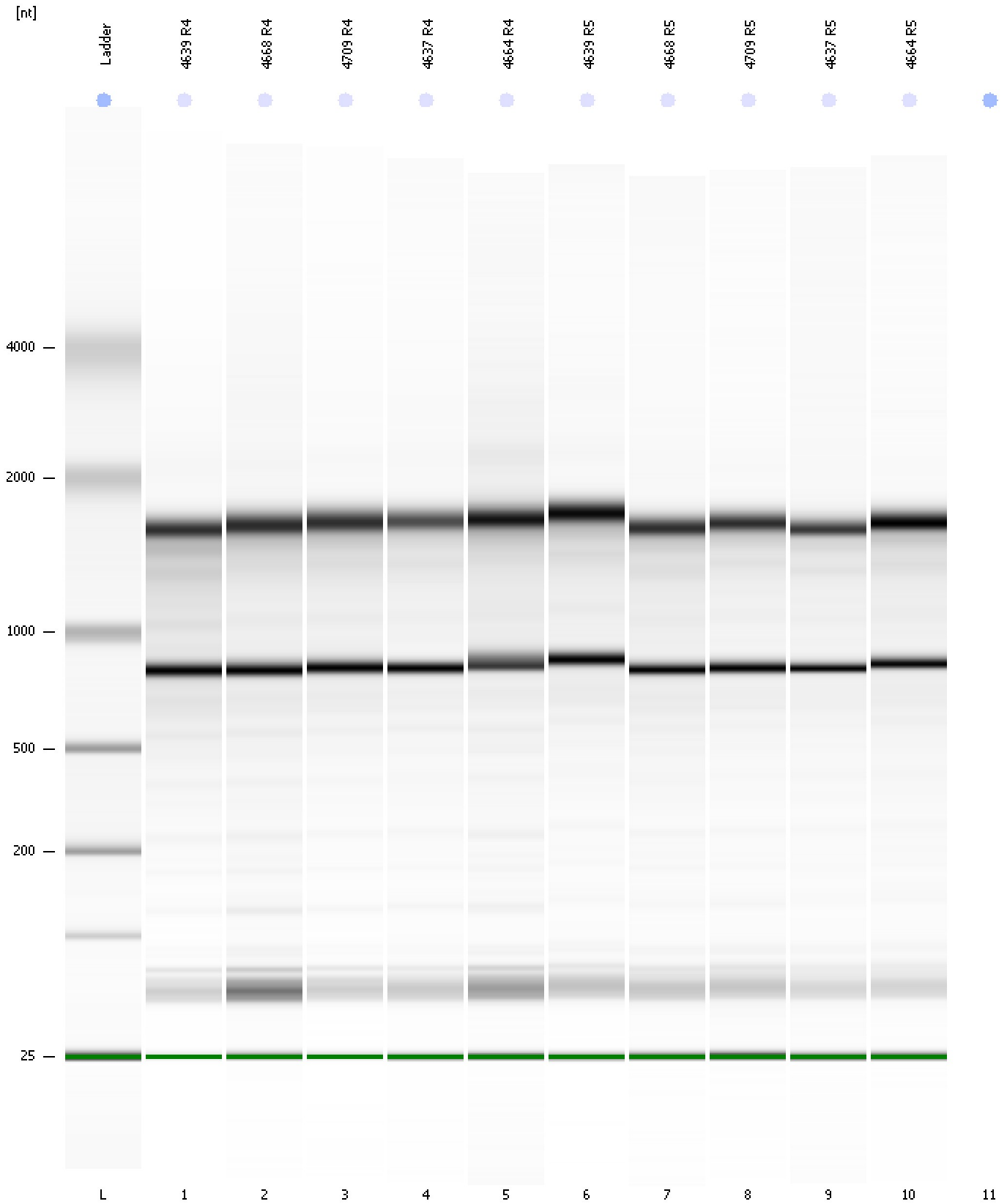
**Fragment table for sample 10 : 4664 R5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	789	942	35.8	18.4
28S	1,473	1,921	57.8	29.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2017-08-28\2017-08-28\2017-08-28\_001.xad

Created: 8/28/2017 2:54:42 PM  
Modified: 8/28/2017 3:16:10 PM

**Invalid Samples**

Sample 11 has not been run, no results available.