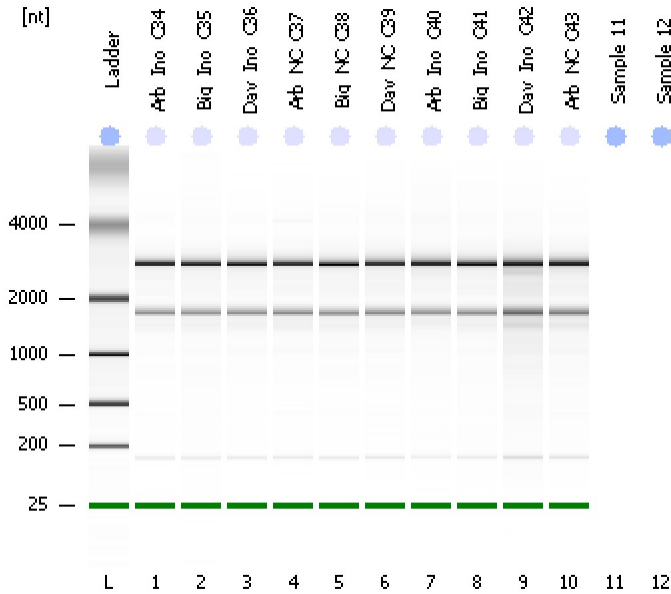


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

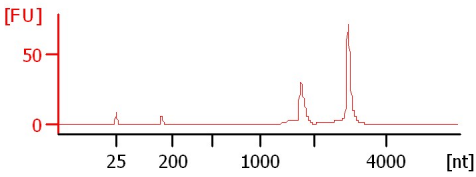
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

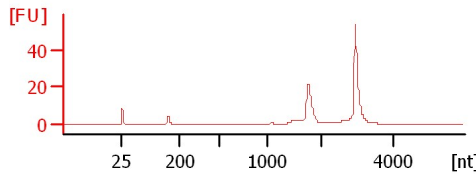
Chip Information:

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

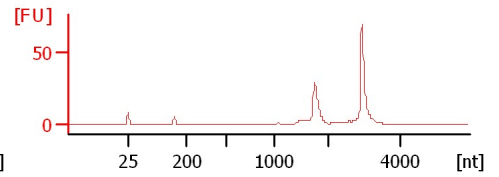
Arb\_Ino\_C34  
RIN: 7.40



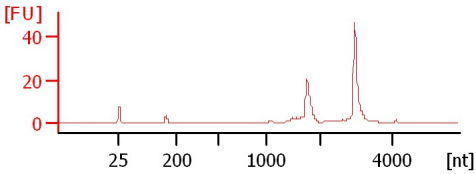
Big\_Ino\_C35  
RIN: 7.50



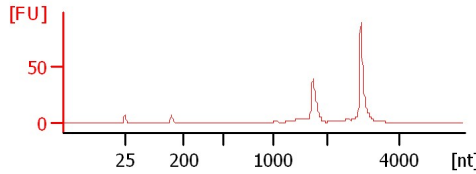
Dav\_Ino\_C36  
RIN: 7.40



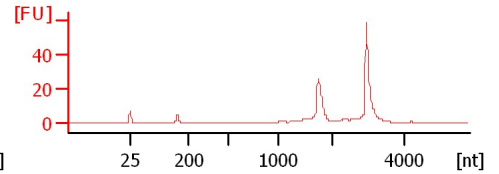
Arb\_NC\_C37  
RIN: 7.40



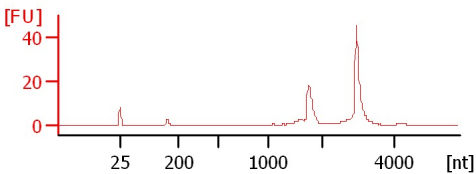
Big\_NC\_C38  
RIN: 7.30



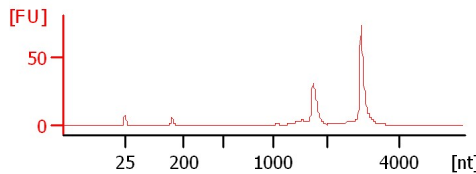
Dav\_NC\_C39  
RIN: 7.30



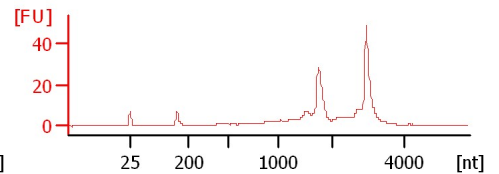
Arb\_Ino\_C40  
RIN: 7.60



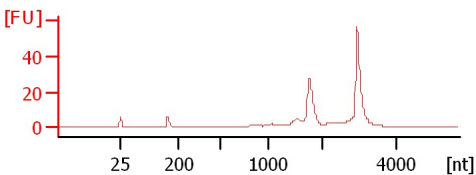
Big\_Ino\_C41  
RIN: 7.50



Dav\_Ino\_C42  
RIN: 6.60



Arb\_NC\_C43  
RIN: 7.40



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Arb_Ino_C34		✓	RIN: 7.40	
Big_Ino_C35		✓	RIN: 7.50	
Dav_Ino_C36		✓	RIN: 7.40	
Arb_NC_C37		✓	RIN: 7.40	
Big_NC_C38		✓	RIN: 7.30	
Dav_NC_C39		✓	RIN: 7.30	
Arb_Ino_C40		✓	RIN: 7.60	
Big_Ino_C41		✓	RIN: 7.50	
Dav_Ino_C42		✓	RIN: 6.60	
Arb_NC_C43		✓	RIN: 7.40	
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

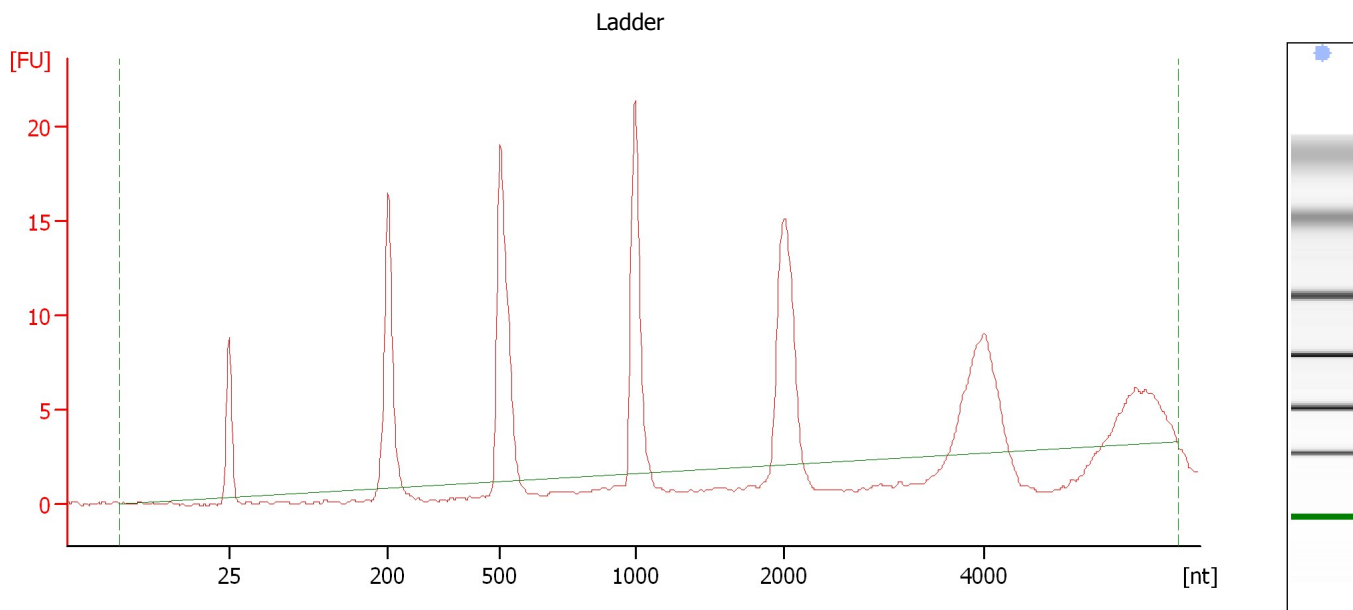
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary**



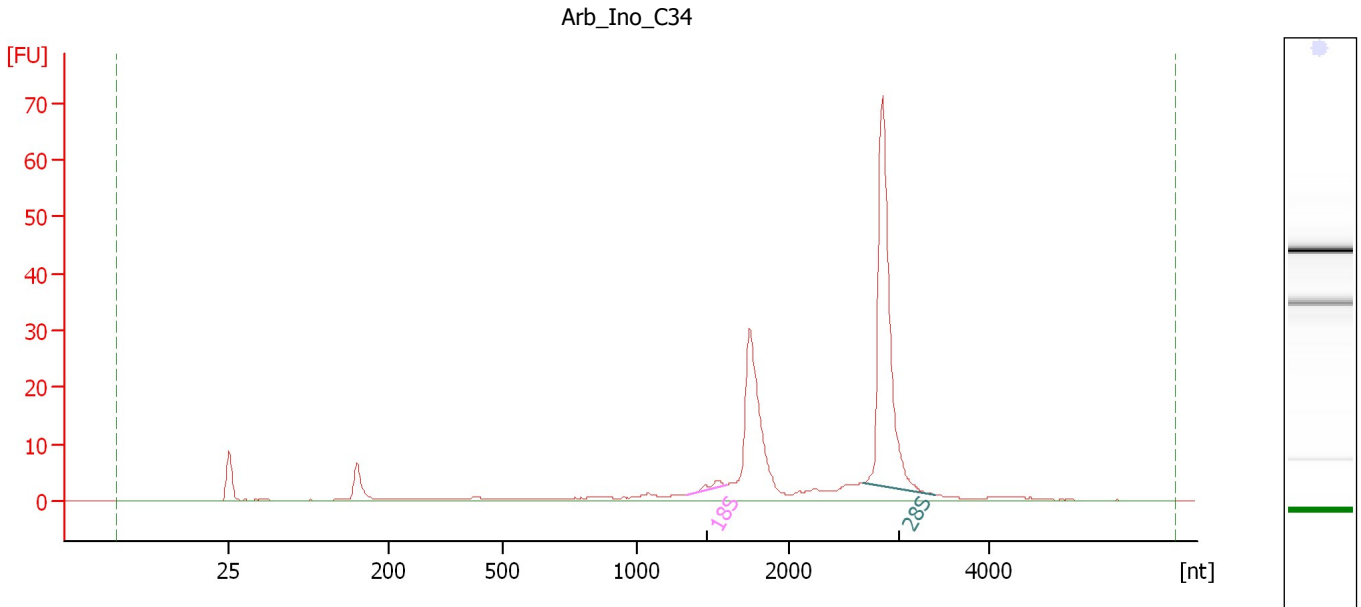
**Overall Results for Ladder**

RNA Area:	115.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Arb Ino C34**

RNA Area:	199.8	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	259 ng/μl		
rRNA Ratio [28s / 18s]:	37.6	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 7.40

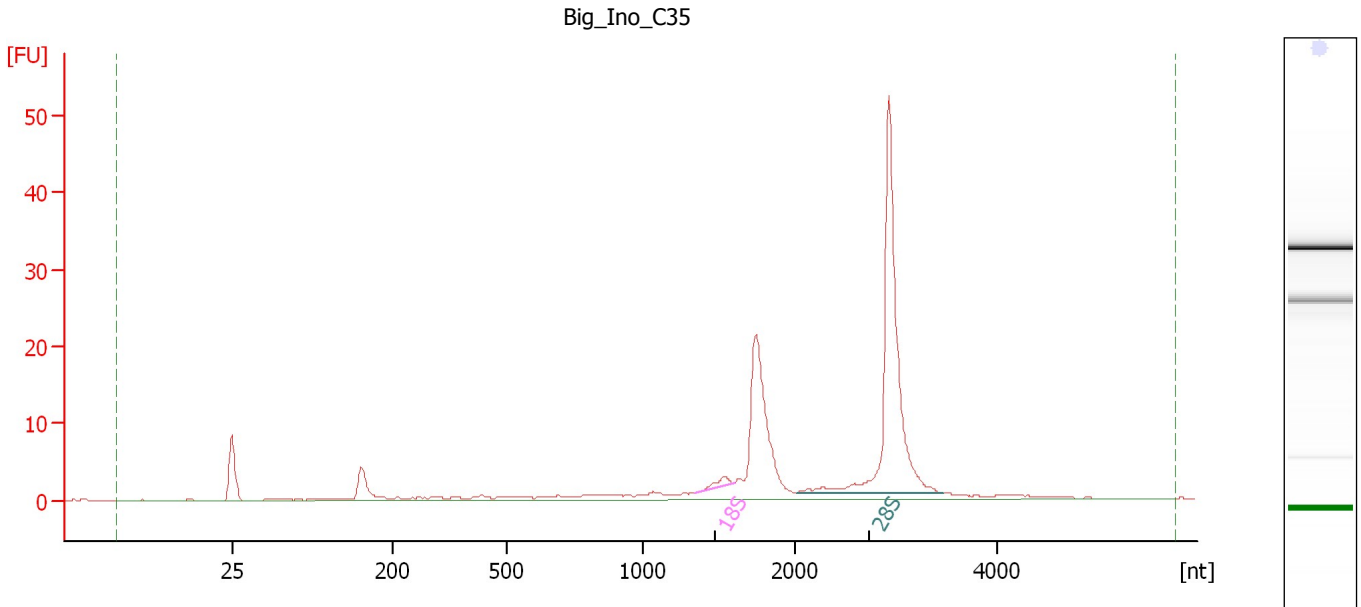
**Fragment table for sample 1 : Arb Ino C34**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,324	1,587	2.0	1.0
28S	2,742	3,454	75.0	37.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Big\_Ino\_C35**

RNA Area:	154.9	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	201 ng/μl		
rRNA Ratio [28s / 18s]:	38.3	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 7.50

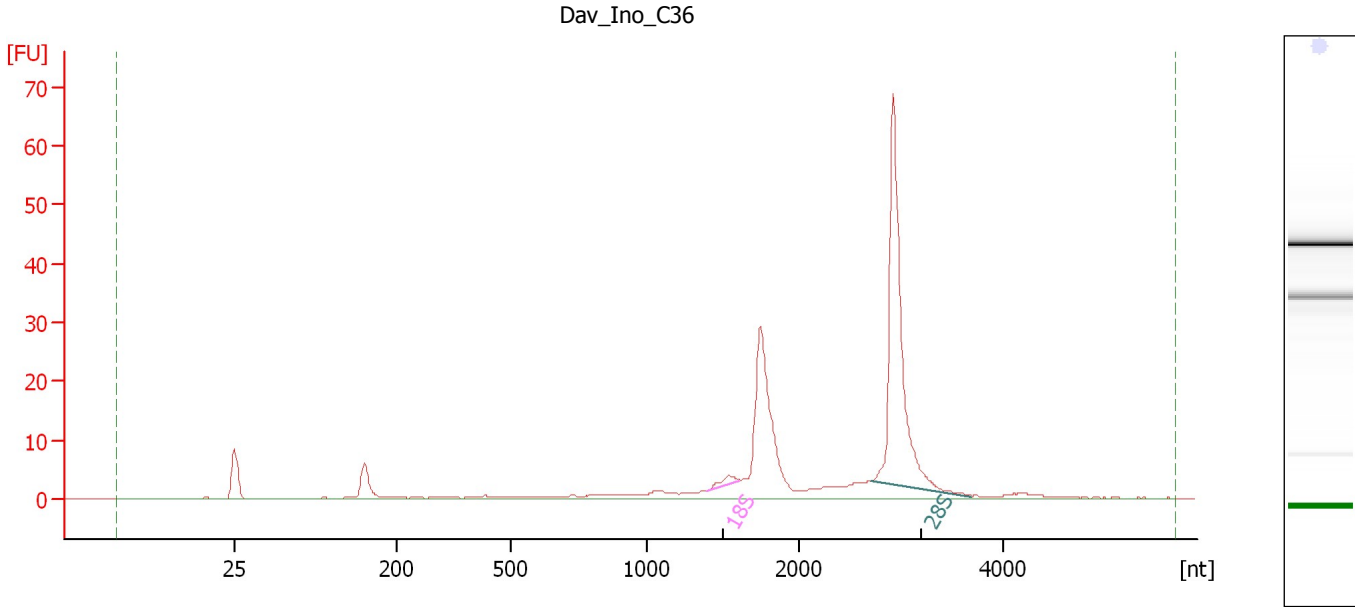
**Fragment table for sample 2 : Big\_Ino\_C35**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,341	1,602	1.7	1.1
28S	2,017	3,475	63.7	41.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Dav\_Ino\_C36**

RNA Area:	191.3	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	249 ng/μl		
rRNA Ratio [28s / 18s]:	34.0	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 7.40

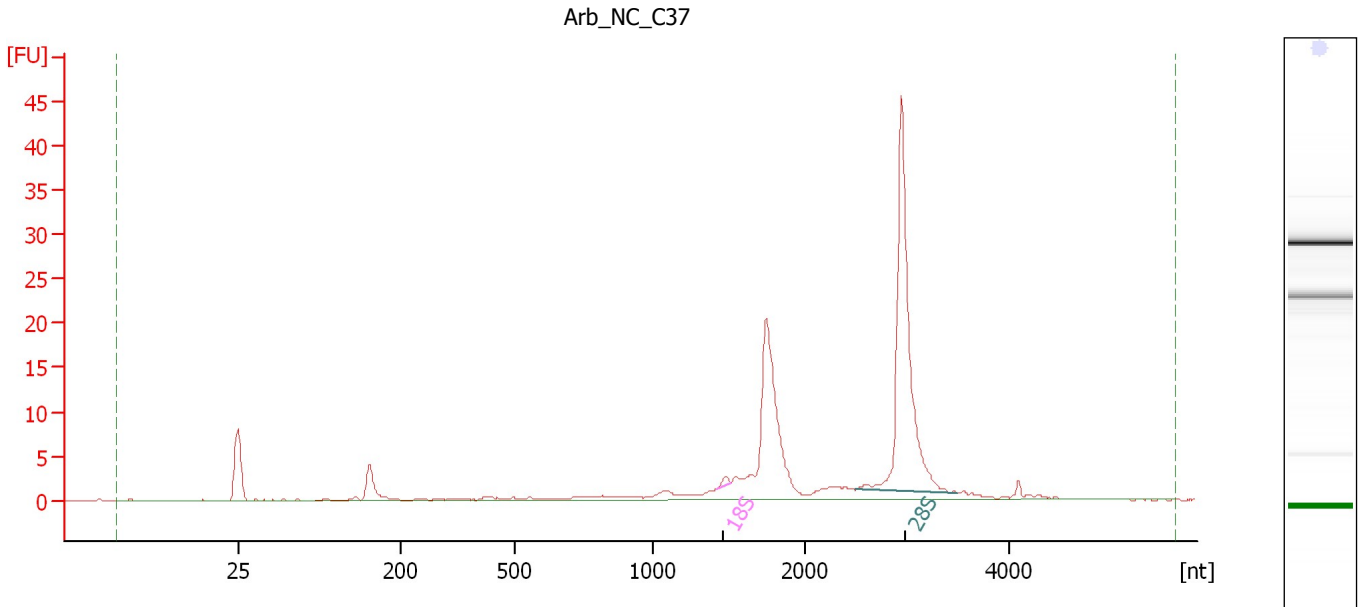
**Fragment table for sample 3 : Dav\_Ino\_C36**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,392	1,603	2.2	1.1
28S	2,710	3,700	73.7	38.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Arb NC C37**

RNA Area:	127.2	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	165 ng/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]:	83.0	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 4 : Arb NC C37**

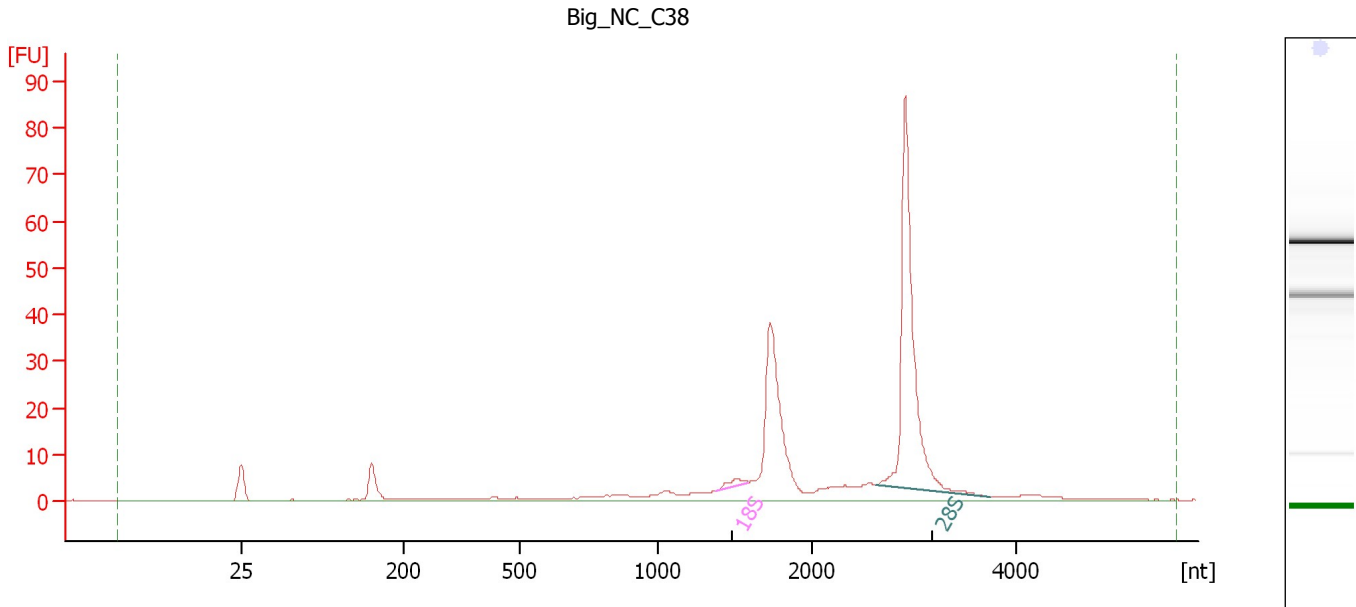
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,415	1,506	0.6	0.5
28S	2,474	3,489	50.5	39.7



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Big\_NC\_C38**

RNA Area:	251.7	RNA Integrity Number (RIN):	7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	327 ng/μl		
rRNA Ratio [28s / 18s]:	39.6	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 7.30

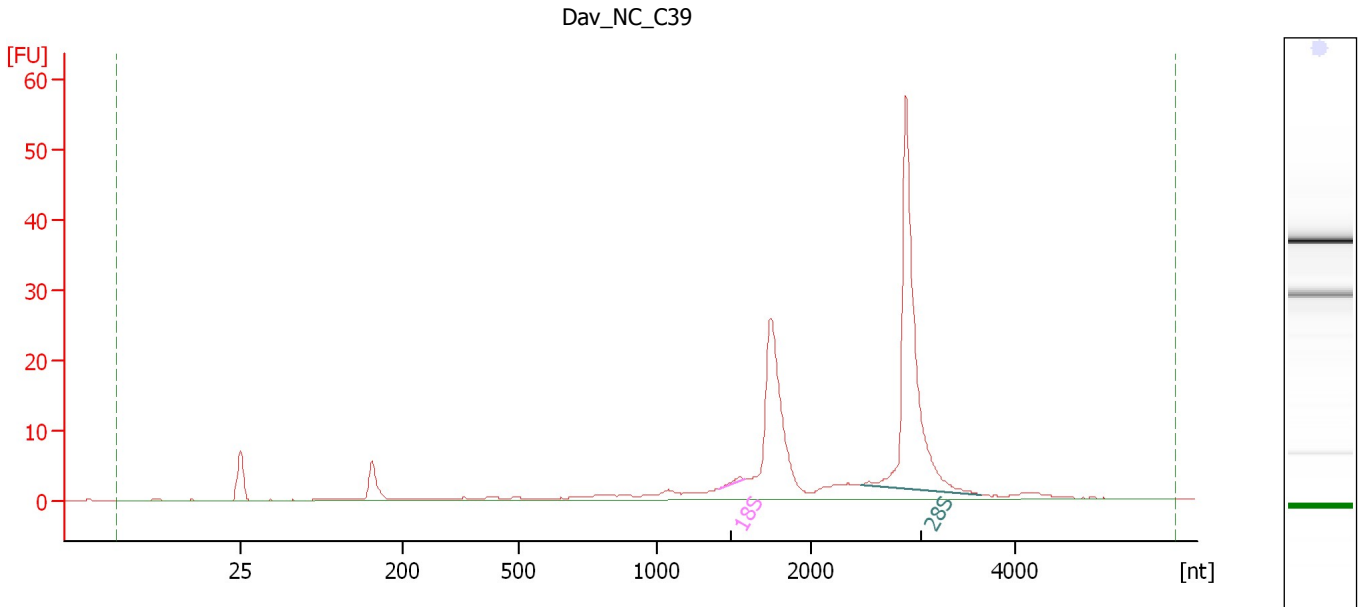
**Fragment table for sample 5 : Big\_NC\_C38**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	1,591	2.4	0.9
28S	2,638	3,742	93.7	37.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Dav\_NC\_C39**

RNA Area: 178.7                      RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 232 ng/μl  
rRNA Ratio [28s / 18s]: 85.4  
Result Flagging Color:   
Result Flagging Label: RIN: 7.30

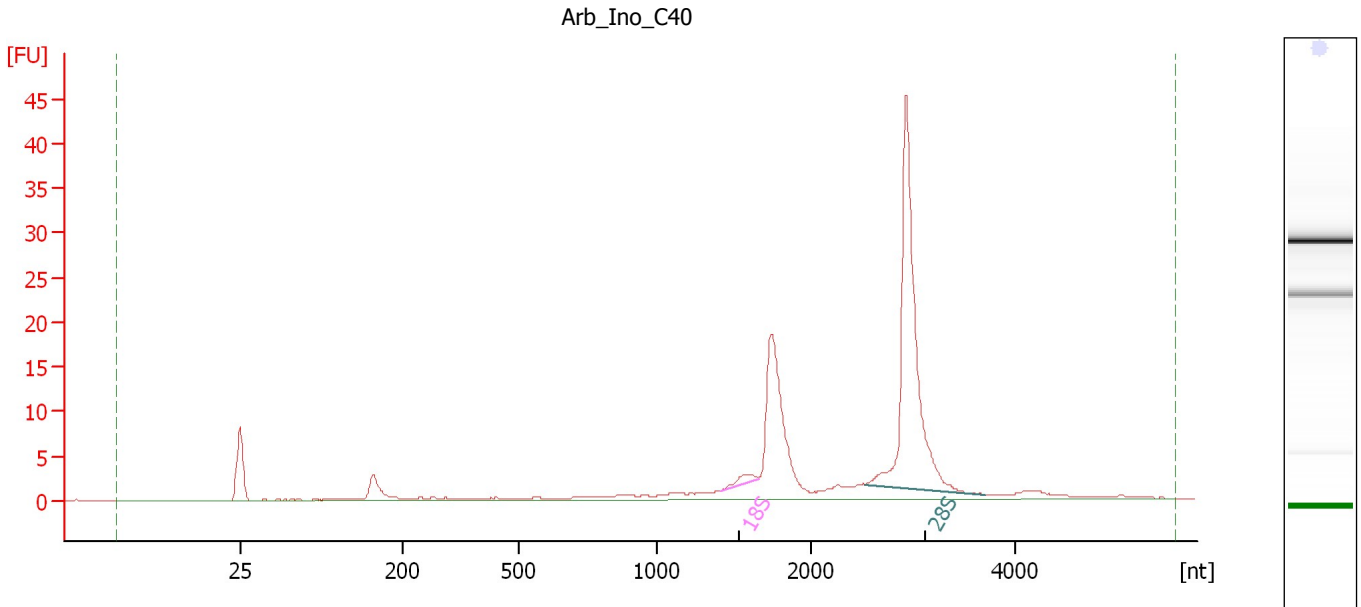
**Fragment table for sample 6 : Dav\_NC\_C39**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,403	1,577	0.8	0.4
28S	2,492	3,659	68.6	38.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Arb Ino C40**

RNA Area: 138.7                      RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 180 ng/μl  
rRNA Ratio [28s / 18s]: 35.8  
Result Flagging Color:   
Result Flagging Label: RIN: 7.60

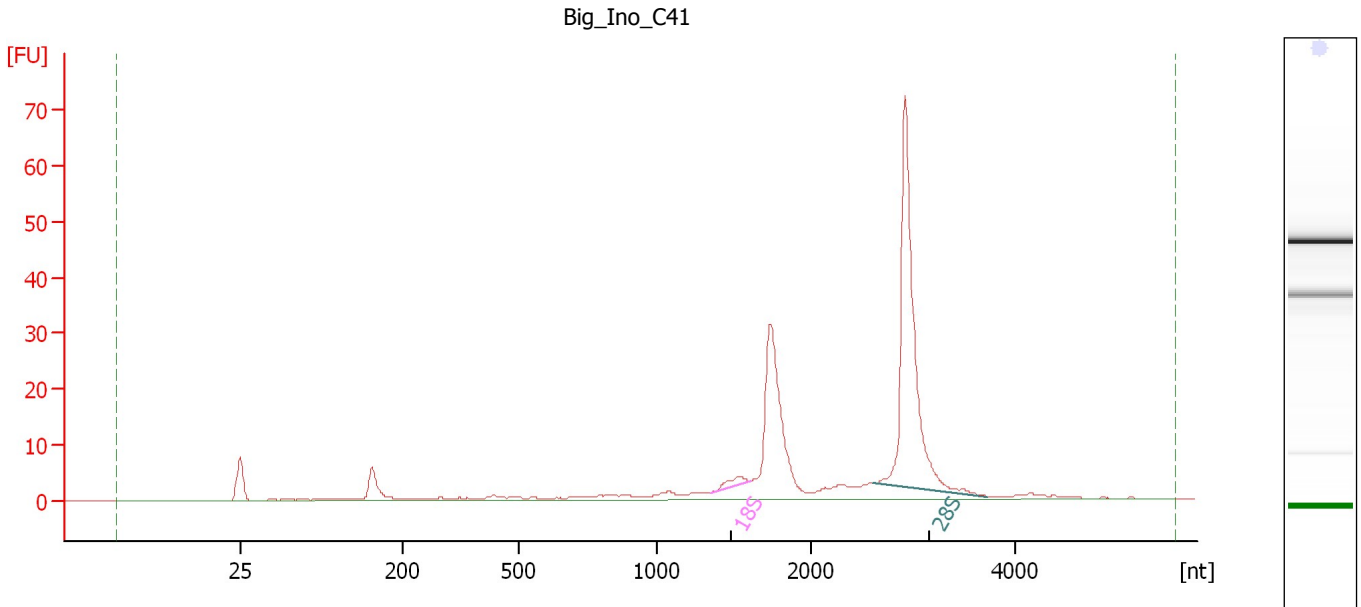
**Fragment table for sample 7 : Arb Ino C40**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,417	1,660	1.6	1.2
28S	2,534	3,701	58.4	42.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Big\_Ino\_C41**

RNA Area:	224.1	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	291 ng/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]:	30.3	Result Flagging Label:	RIN: 7.50

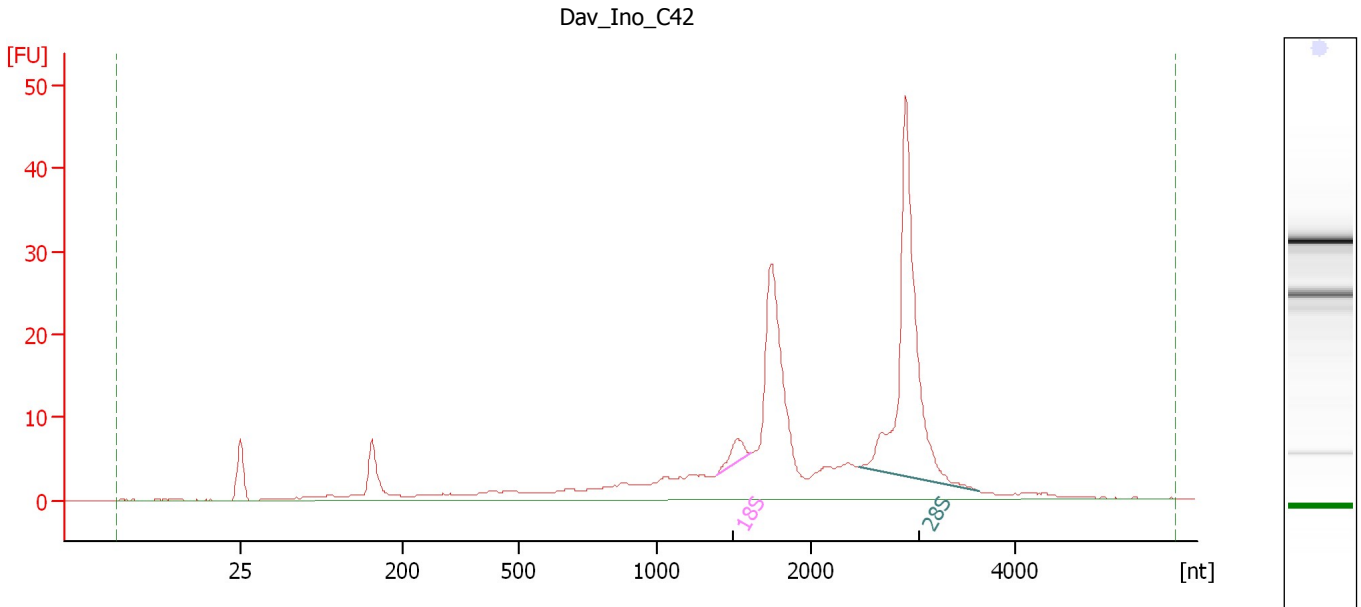
**Fragment table for sample 8 : Big\_Ino\_C41**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,354	1,612	2.8	1.3
28S	2,617	3,721	85.9	38.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Dav\_Ino\_C42**

RNA Area:	269.6	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	350 ng/μl		
rRNA Ratio [28s / 18s]:	16.3	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 6.60

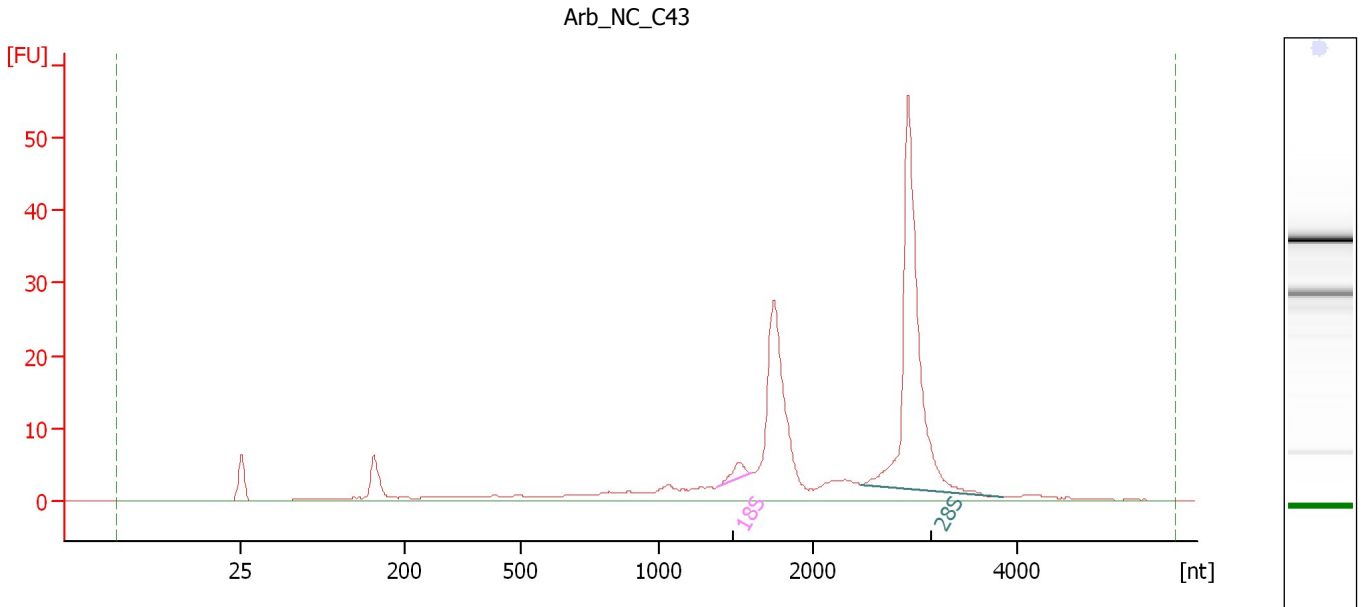
**Fragment table for sample 9 : Dav\_Ino\_C42**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,389	1,612	4.3	1.6
28S	2,471	3,649	70.8	26.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
 Modified: 10/2/2017 1:12:35 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Arb\_NC\_C43**

RNA Area:	217.8	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	283 ng/μl		
rRNA Ratio [28s / 18s]:	24.2	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 7.40

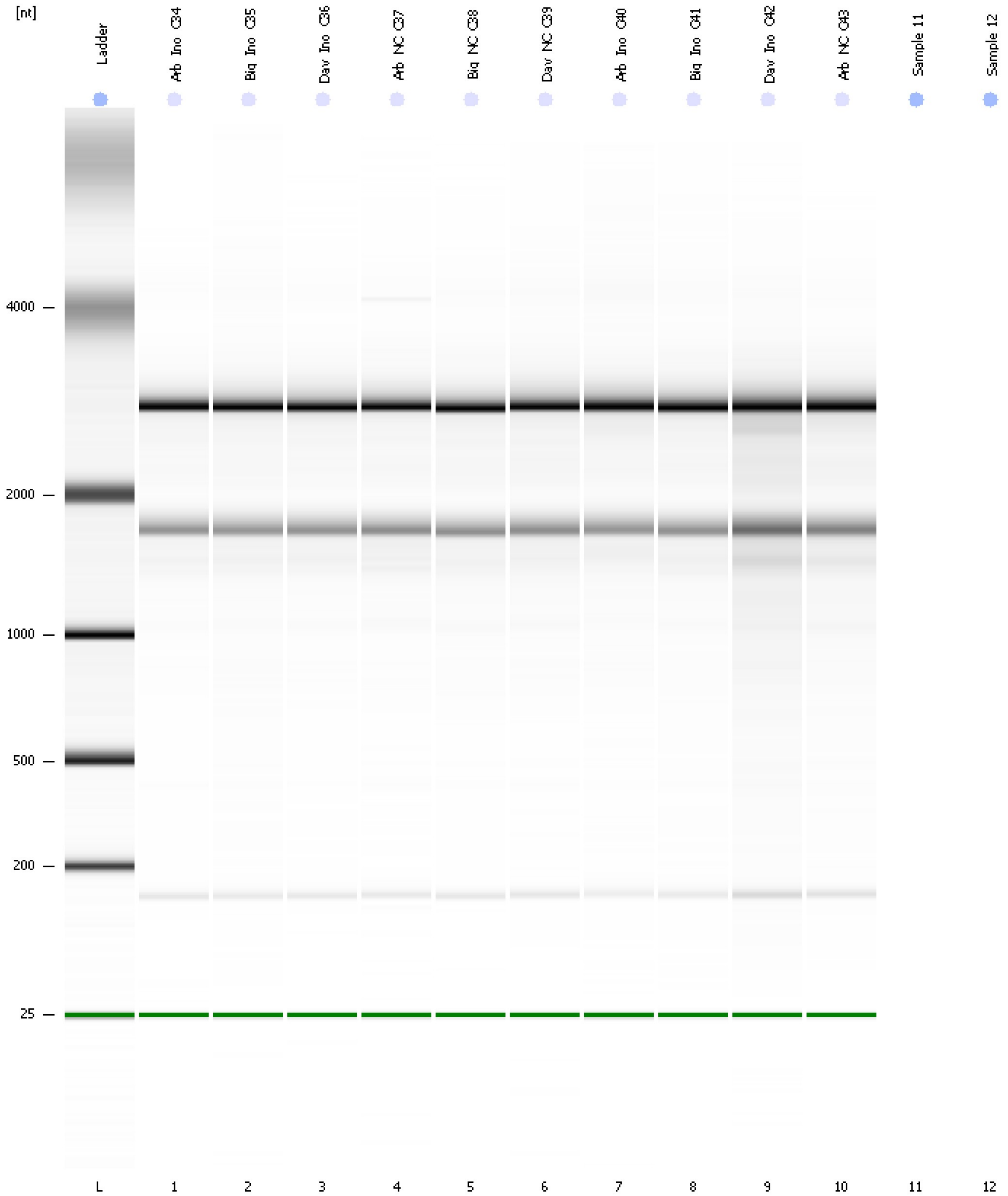
**Fragment table for sample 10 : Arb\_NC\_C43**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,605	3.2	1.5
28S	2,480	3,863	78.4	36.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02\_004.xad

Created: 10/2/2017 12:49:14 PM  
Modified: 10/2/2017 1:12:35 PM

**Invalid Samples**

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.