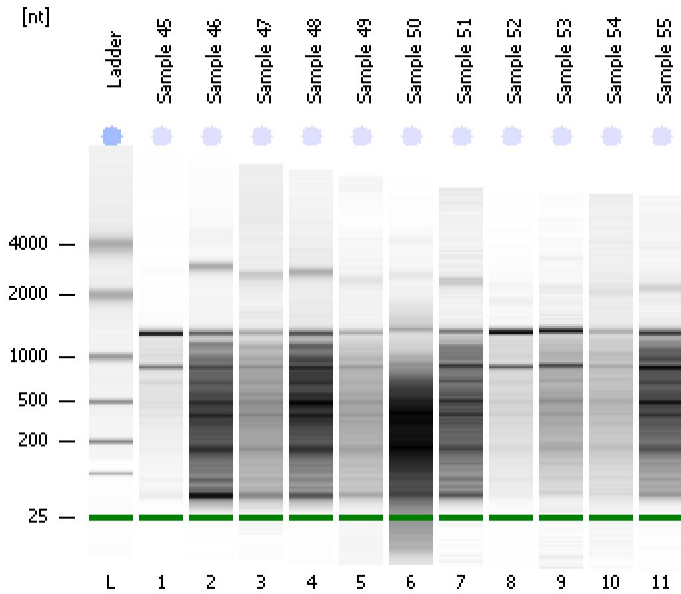


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

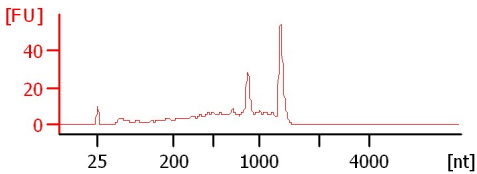
Assay Information:

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.

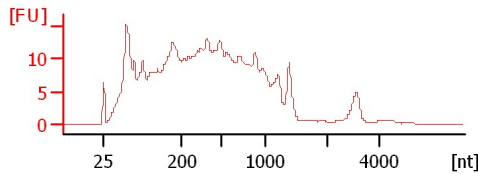
Chip Information:

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

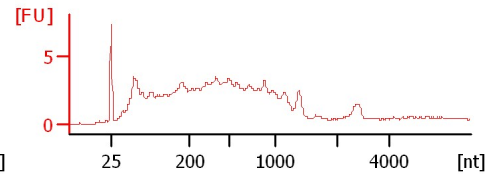
Sample 45  
HiSeq1248\_RNAQC  
RIN: 7.40



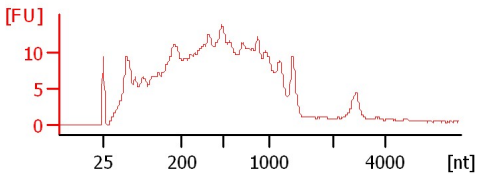
Sample 46  
HiSeq1248\_RNAQC  
RIN: 3.50



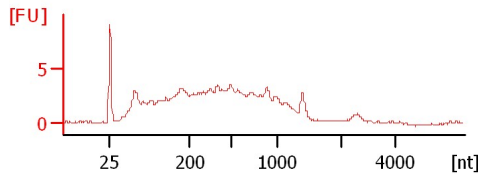
Sample 47  
HiSeq1248\_RNAQC  
RIN: 3.40



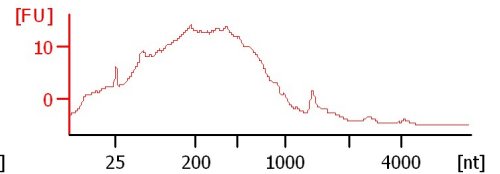
Sample 48  
HiSeq1248\_RNAQC  
RIN: 3.10



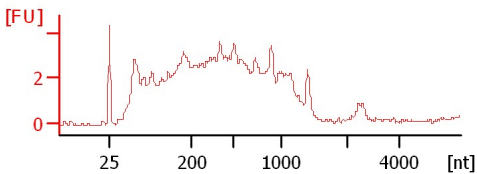
Sample 49  
HiSeq1248\_RNAQC  
RIN: 3.10



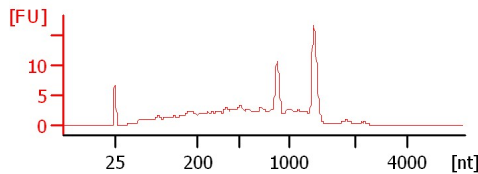
Sample 50  
HiSeq1248\_RNAQC  
RIN: 2.60



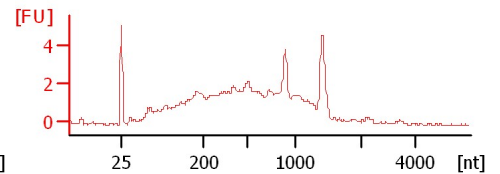
Sample 51  
HiSeq1248\_RNAQC  
RIN: 3



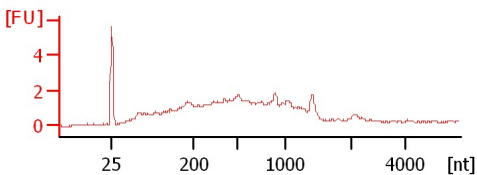
Sample 52  
HiSeq1248\_RNAQC  
RIN: 3.80



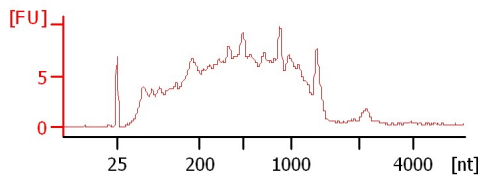
Sample 53  
HiSeq1248\_RNAQC  
RIN: 3.30



Sample 54  
HiSeq1248\_RNAQC  
RIN: 2.90



Sample 55  
HiSeq1248\_RNAQC  
RIN: 3.20



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 45	HiSeq1248_RNAQC	✓	RIN: 7.40	
Sample 46	HiSeq1248_RNAQC	✓	RIN: 3.50	
Sample 47	HiSeq1248_RNAQC	✓	RIN: 3.40	
Sample 48	HiSeq1248_RNAQC	✓	RIN: 3.10	
Sample 49	HiSeq1248_RNAQC	✓	RIN: 3.10	
Sample 50	HiSeq1248_RNAQC	✓	RIN: 2.60	
Sample 51	HiSeq1248_RNAQC	✓	RIN:3	
Sample 52	HiSeq1248_RNAQC	✓	RIN: 3.80	
Sample 53	HiSeq1248_RNAQC	✓	RIN: 3.30	
Sample 54	HiSeq1248_RNAQC	✓	RIN: 2.90	
Sample 55	HiSeq1248_RNAQC	✓	RIN: 3.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

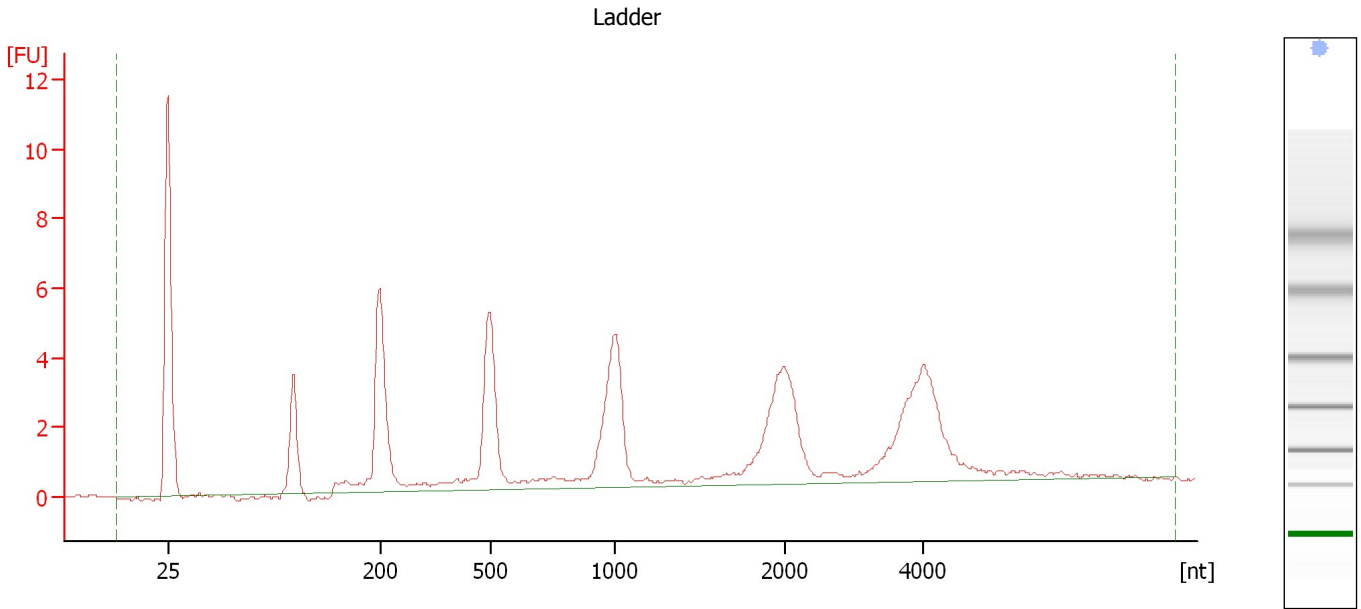
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary**



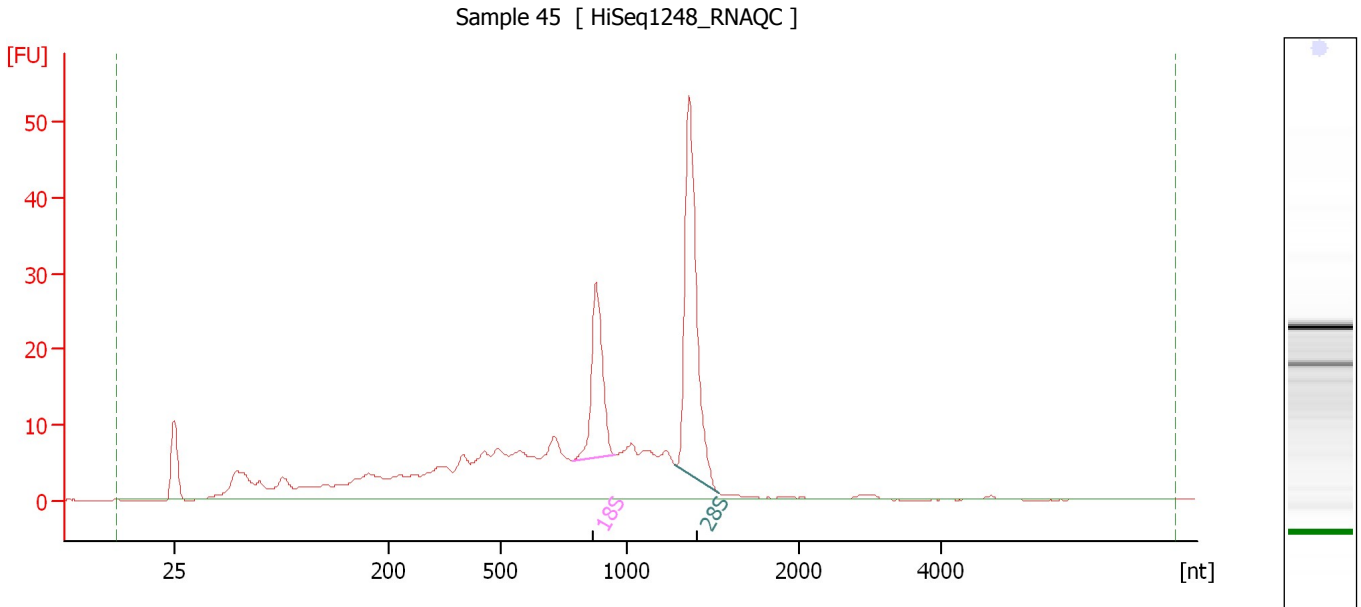
**Overall Results for Ladder**

RNA Area:	71.1	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\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Sample 45**

RNA Area:	358.6	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	5,041 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]:	2.1	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 1 : Sample 45**

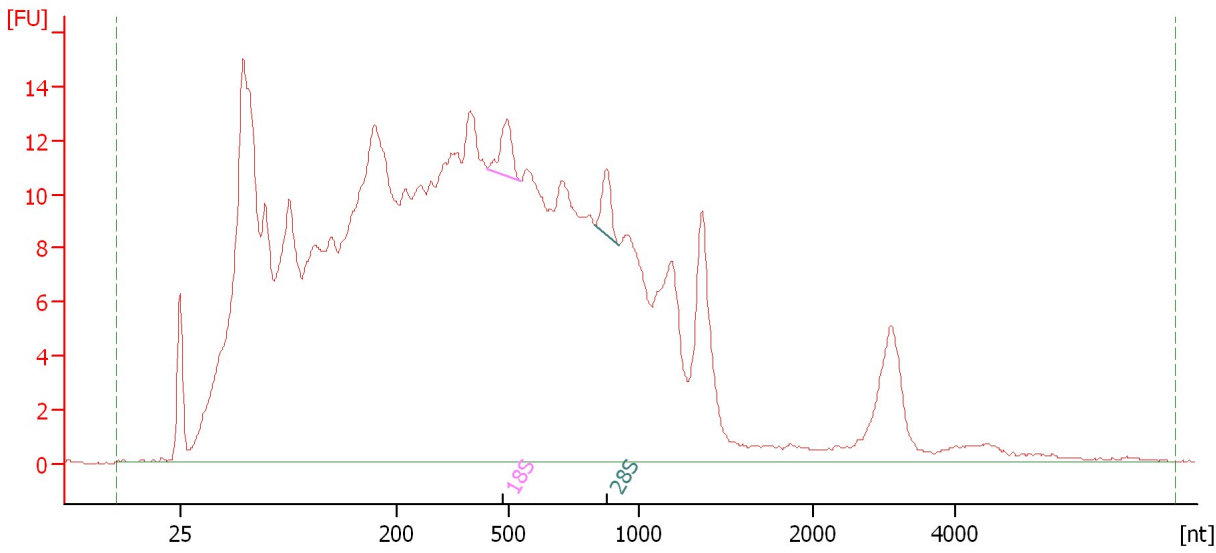
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	786	950	32.2	9.0
28S	1,280	1,529	67.0	18.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 46 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 2 : Sample 46**

RNA Area: 656.2                      RNA Integrity Number (RIN): 3.5 (B.02.08)  
RNA Concentration: 9,225 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.9                      Result Flagging Label: RIN: 3.50

**Fragment table for sample 2 : Sample 46**

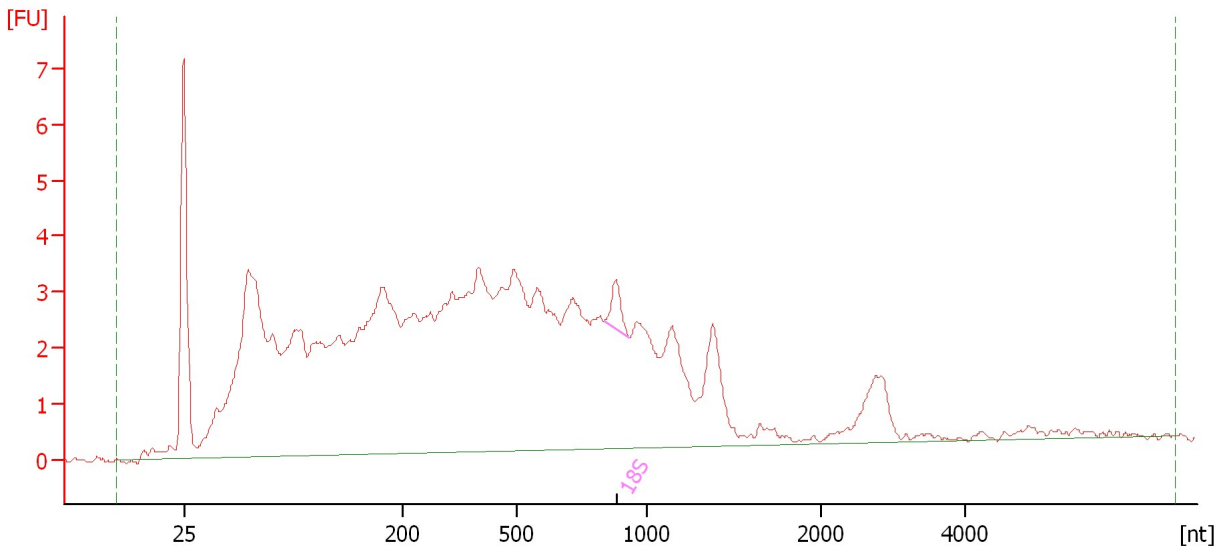
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	441	543	3.5	0.5
28S	835	922	3.0	0.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 47 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 3 : Sample 47**

RNA Area:	165.3	RNA Integrity Number (RIN):	3.4 (B.02.08)
RNA Concentration:	2,324 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: 3.40

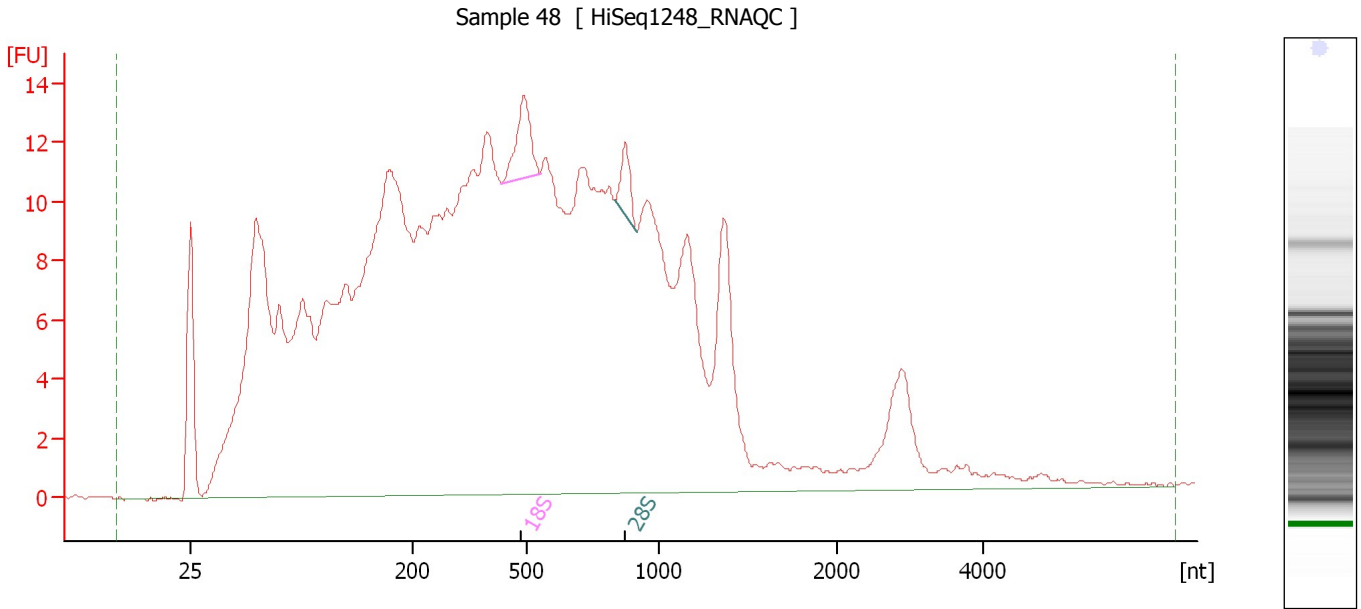
**Fragment table for sample 3 : Sample 47**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	837	936	1.0	0.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 48**

RNA Area: 598.9                      RNA Integrity Number (RIN): 3.1 (B.02.08)  
RNA Concentration: 8,419 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.5                      Result Flagging Label: RIN: 3.10

**Fragment table for sample 4 : Sample 48**

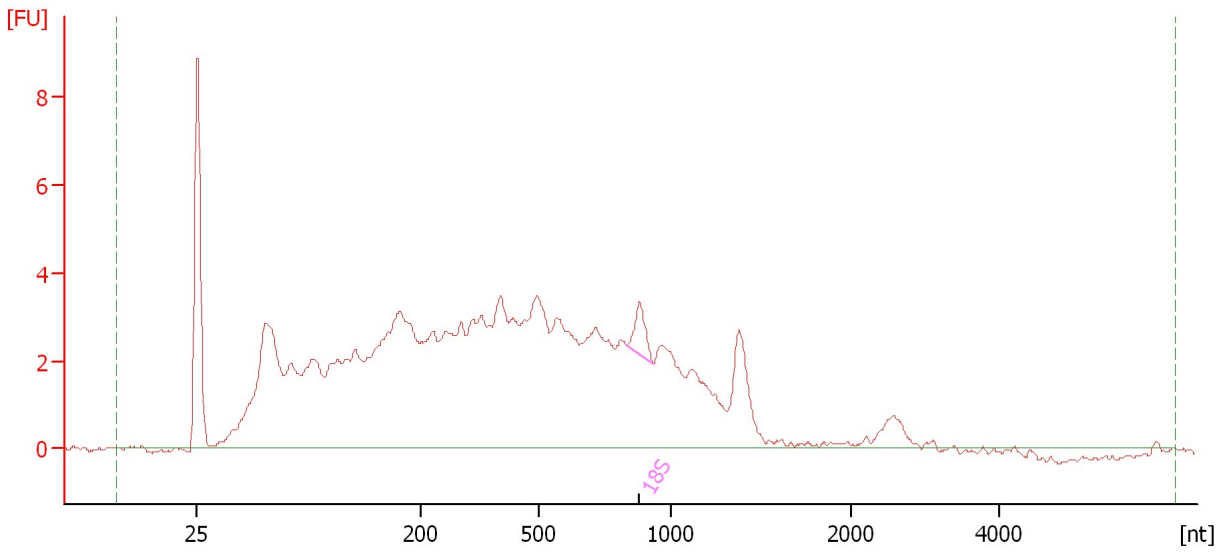
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	432	547	5.5	0.9
28S	832	914	2.7	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 49 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 5 : Sample 49**

RNA Area:	156.1	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	2,195 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: 3.10

**Fragment table for sample 5 : Sample 49**

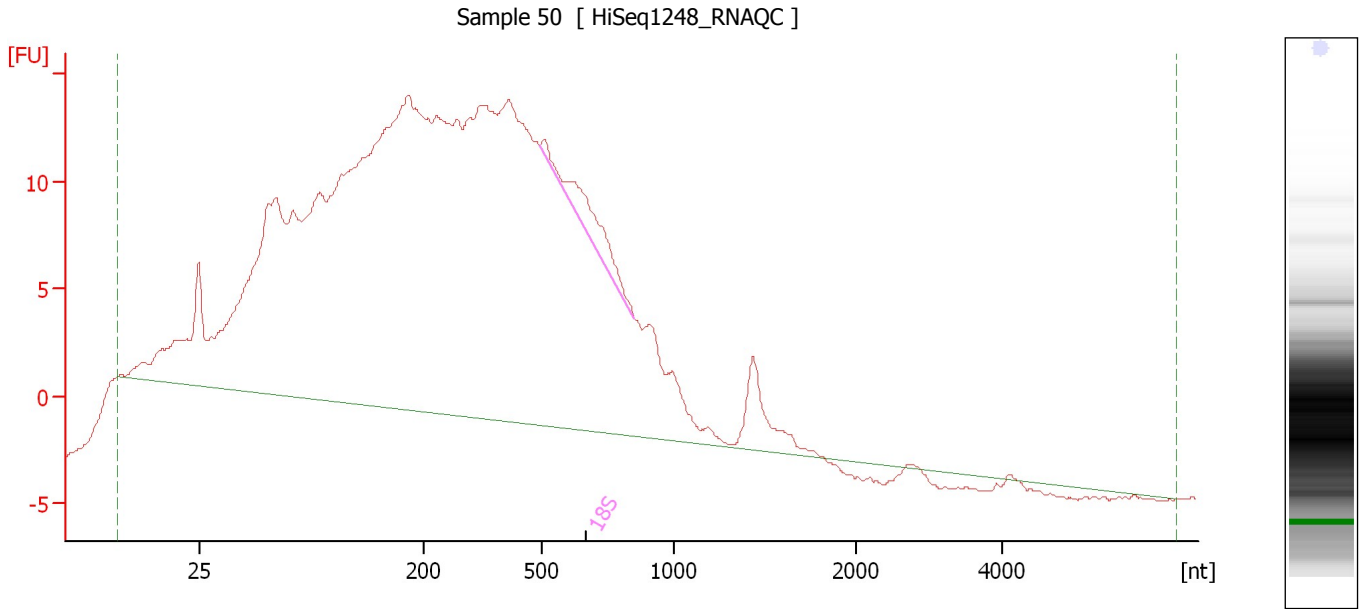
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	831	932	1.5	1.0



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 50**

RNA Area:	661.9	RNA Integrity Number (RIN):	2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	9,305 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: 2.60

**Fragment table for sample 6 : Sample 50**

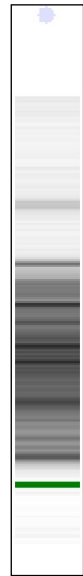
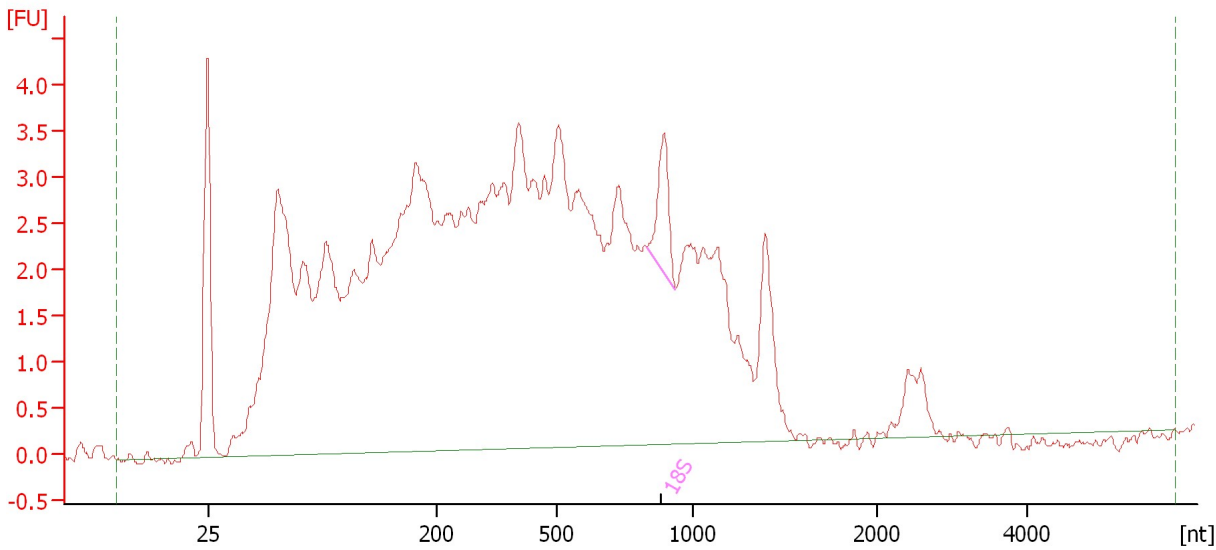
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	496	848	9.1	1.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 51 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 7 : Sample 51**

RNA Area:	153.5	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	2,157 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:3

**Fragment table for sample 7 : Sample 51**

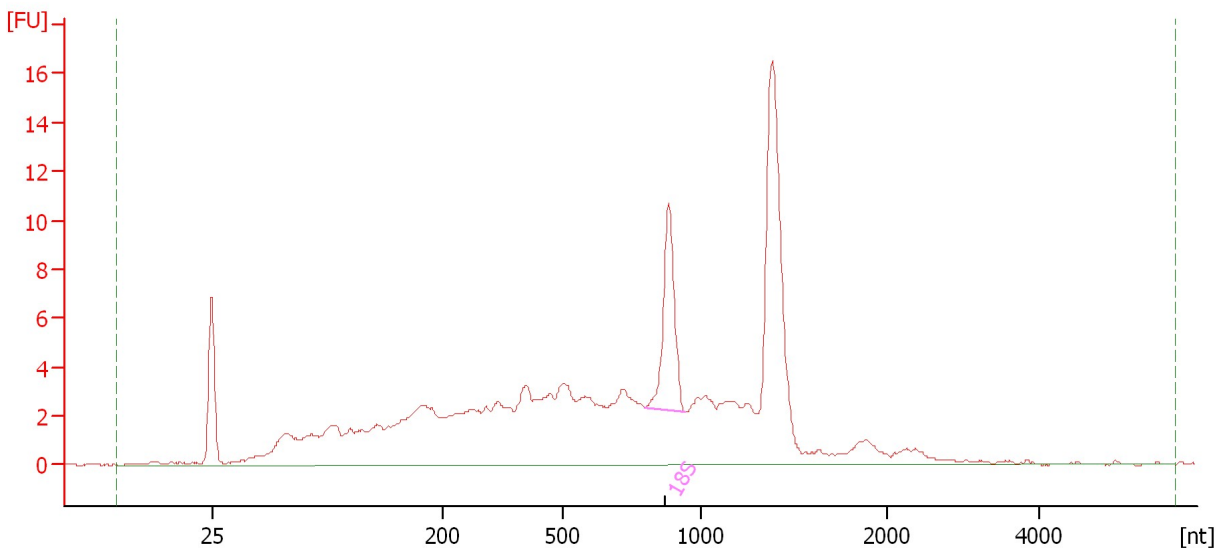
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	833	939	1.9	1.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 52 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 8 : Sample 52**

RNA Area:	174.9	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	2,459 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: 3.80

**Fragment table for sample 8 : Sample 52**

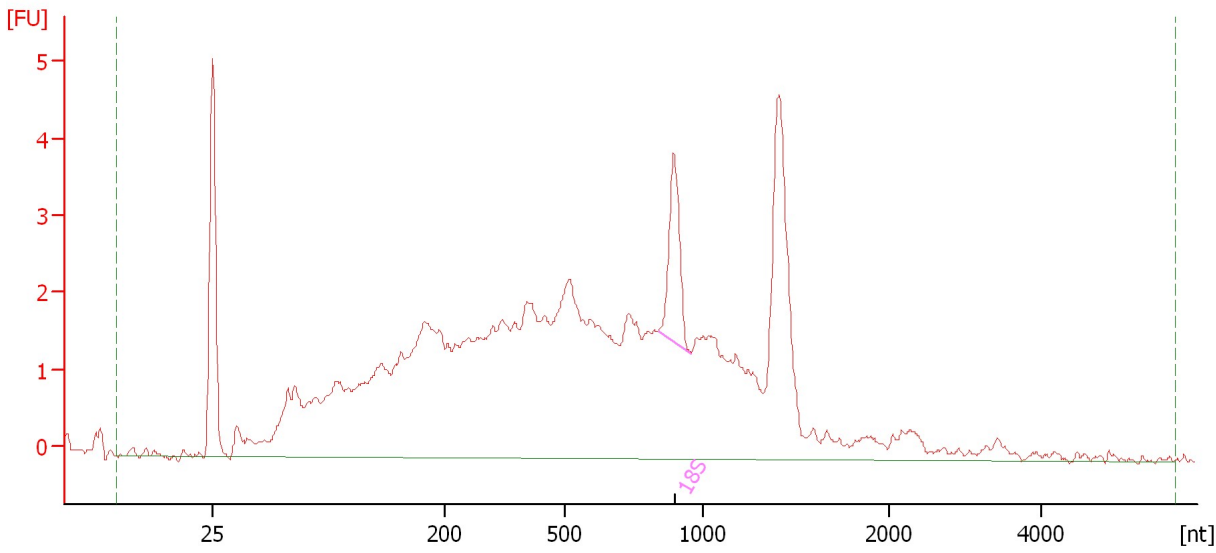
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	796	944	11.3	6.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 53 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 9 : Sample 53**

RNA Area:	102.8	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	1,444 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: 3.30

**Fragment table for sample 9 : Sample 53**

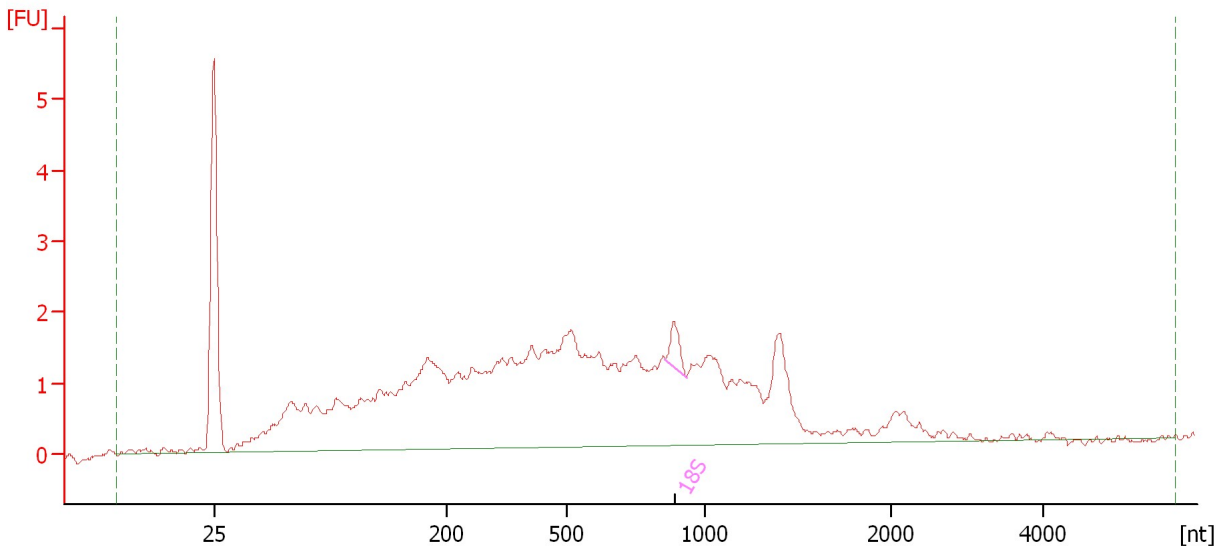
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	960	3.0	2.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 54 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 10 : Sample 54**

RNA Area:	69.1	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	971 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: 2.90

**Fragment table for sample 10 : Sample 54**

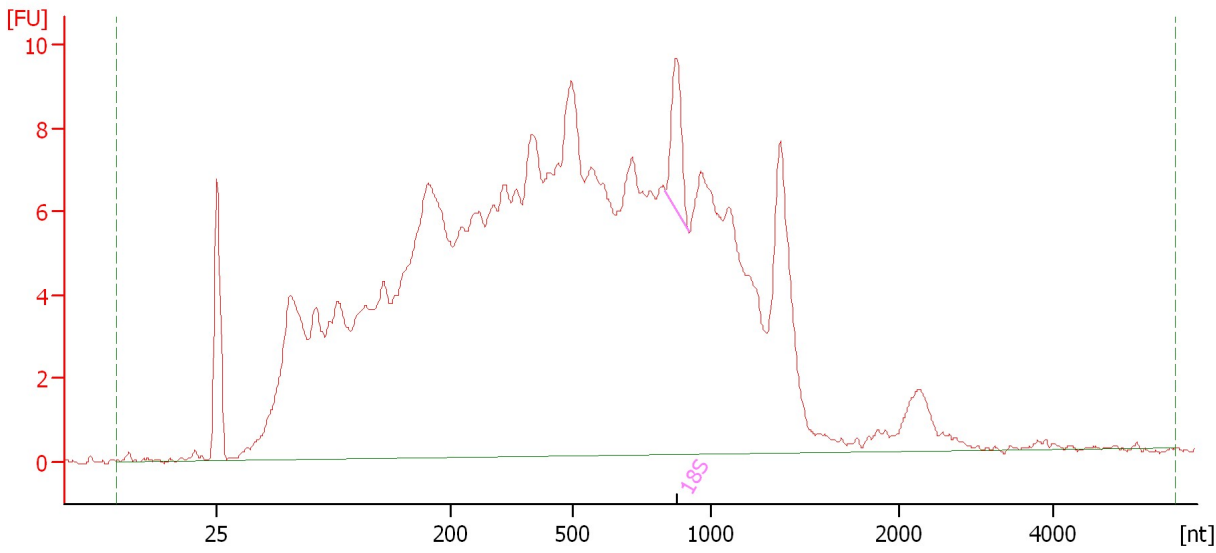
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	855	933	0.7	1.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Electropherogram Summary Continued ...**

Sample 55 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 11 : Sample 55**

RNA Area:	352.8	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	4,959 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: 3.20

**Fragment table for sample 11 : Sample 55**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	834	919	4.2	1.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_005.xad

Created: 1/3/2018 2:30:02 PM  
Modified: 1/3/2018 2:53:21 PM

**Gel Image**

