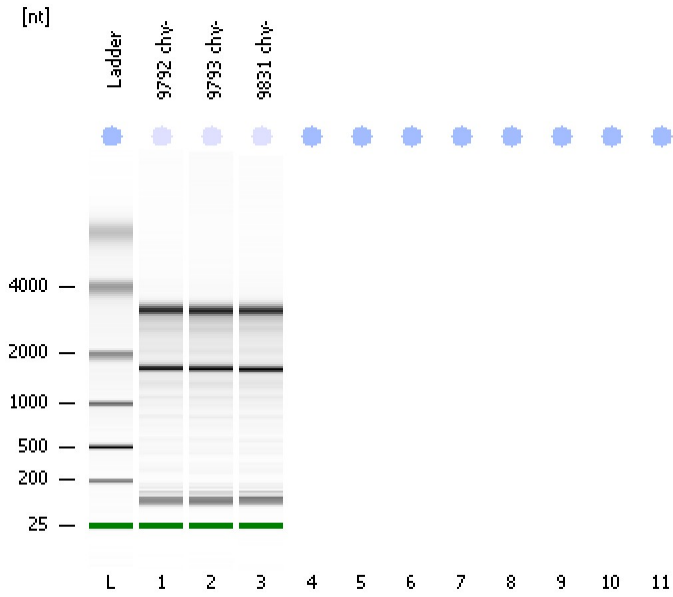


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

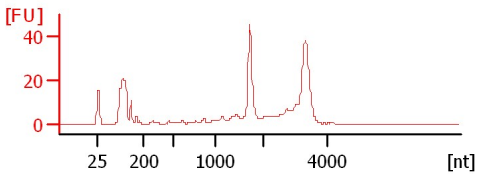
Assay Information:

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.

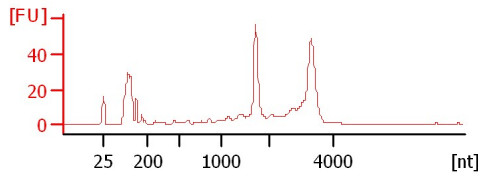
Chip Information:

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

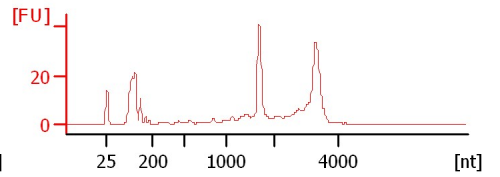
**9792 chy-**  
RIN: 8.50



**9793 chy-**  
RIN: 8.50



**9831 chy-**  
RIN: 8.50



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
 Modified: 9/9/2019 12:00:53 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
9792 chy-		✓	RIN: 8.50	
9793 chy-		✓	RIN: 8.50	
9831 chy-		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 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

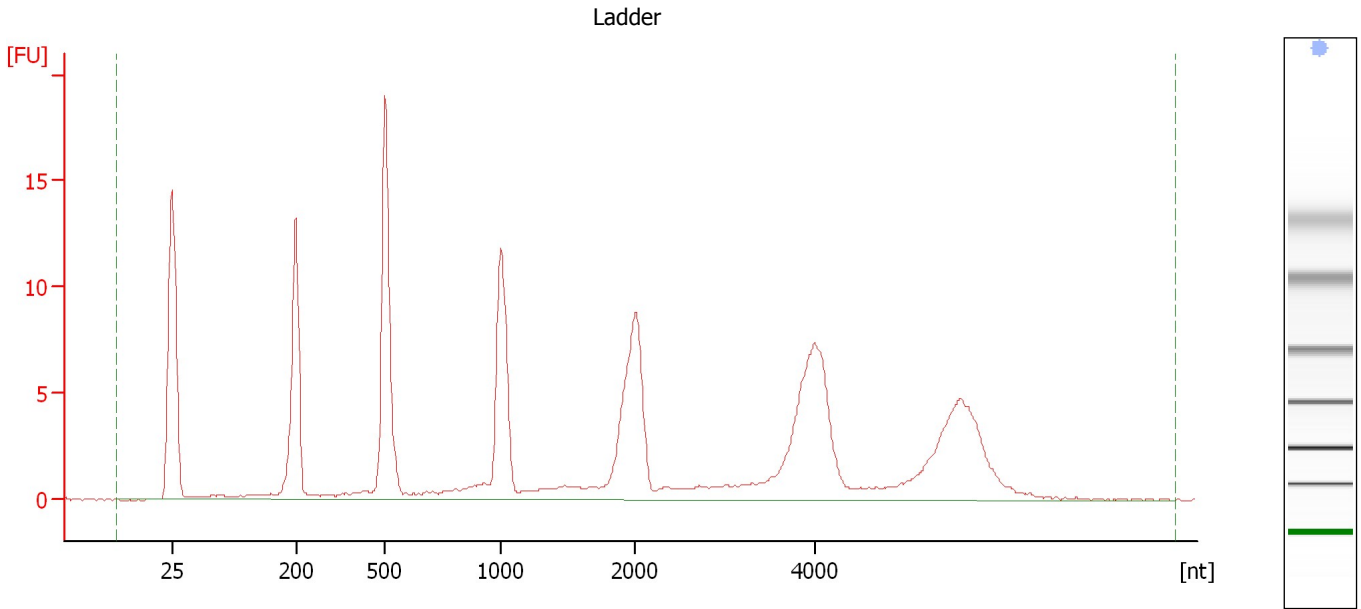
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Electropherogram Summary**



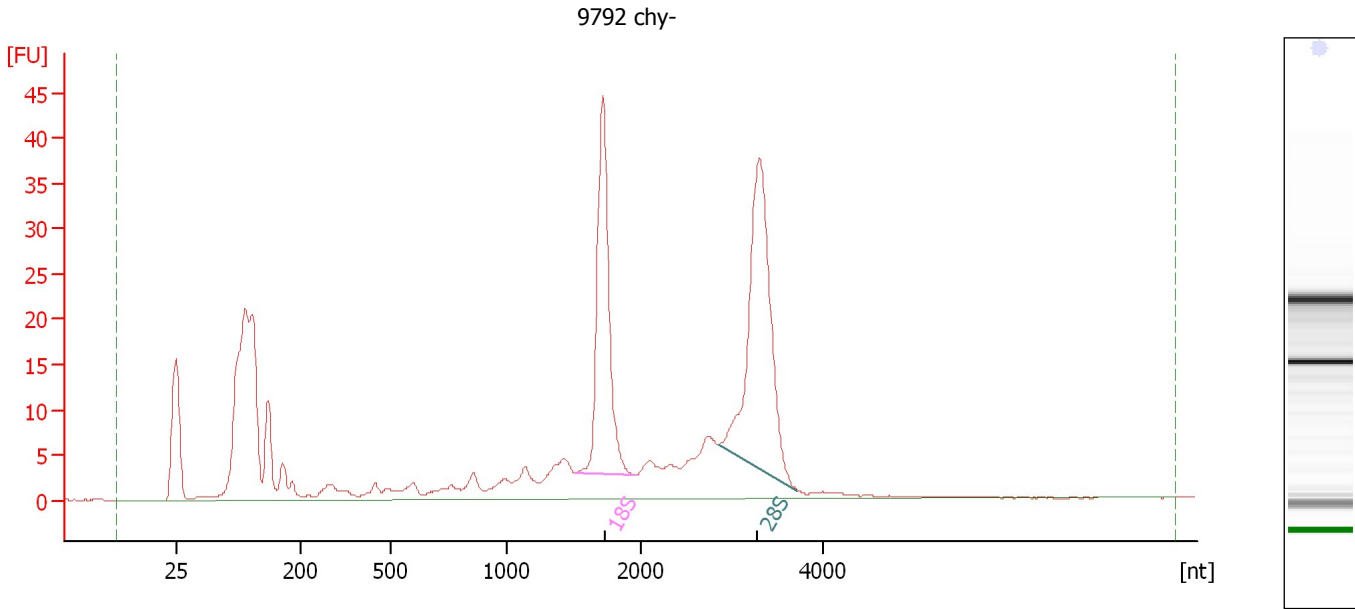
**Overall Results for Ladder**

RNA Area:	155.6	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\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 9792 chy-**

RNA Area: 391.7 RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 2,518 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

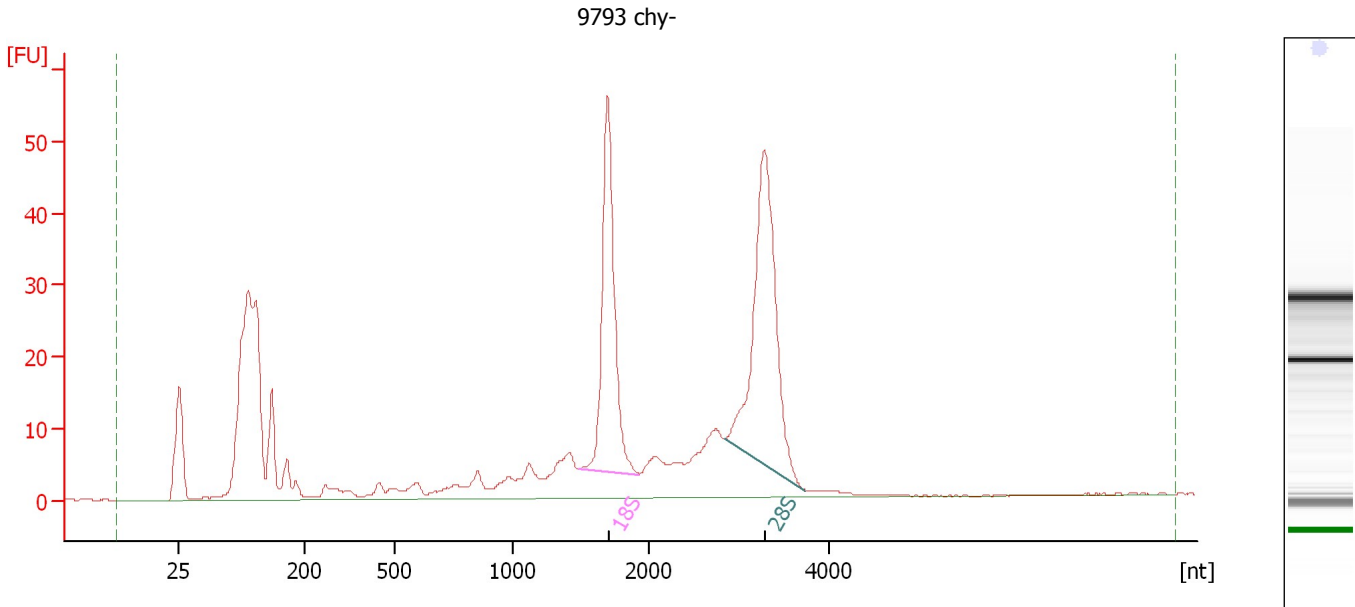
**Fragment table for sample 1 : 9792 chy-**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,944	61.9	15.8
28S	2,852	3,727	80.7	20.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 9793 chy-**

RNA Area: 515.6                      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 3,314 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3                      Result Flagging Label: RIN: 8.50

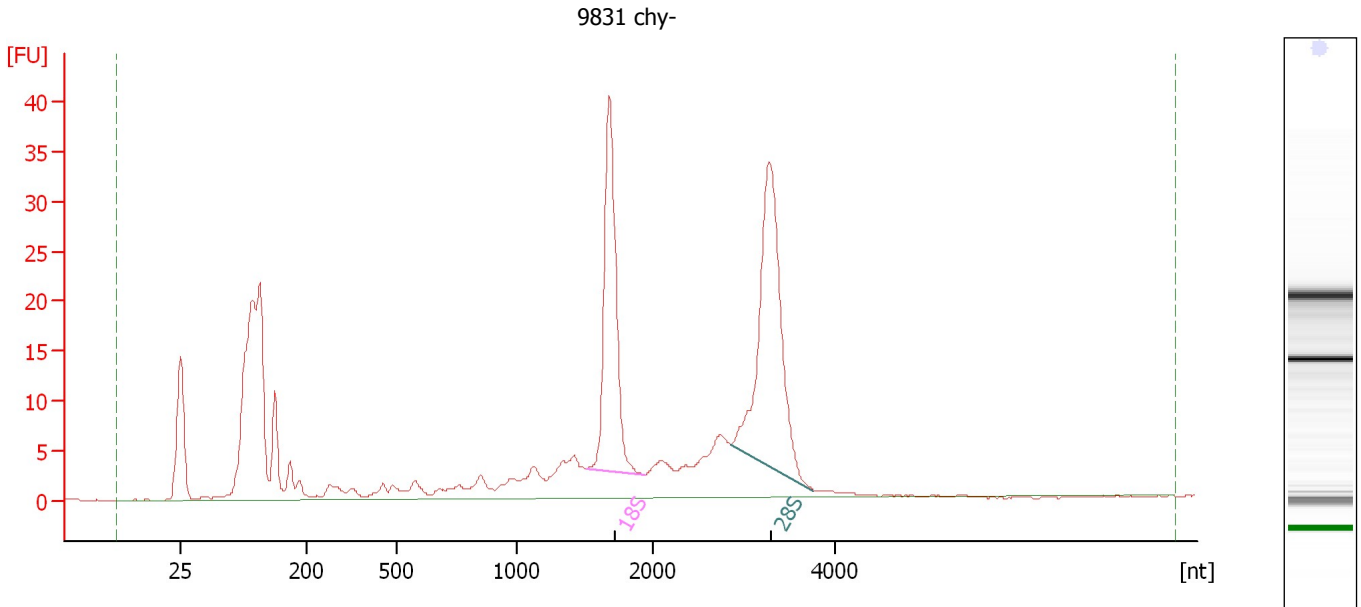
**Fragment table for sample 2 : 9793 chy-**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,937	80.5	15.6
28S	2,847	3,727	104.6	20.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 9831 chy-**

RNA Area: 360.3                      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 2,316 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 8.50

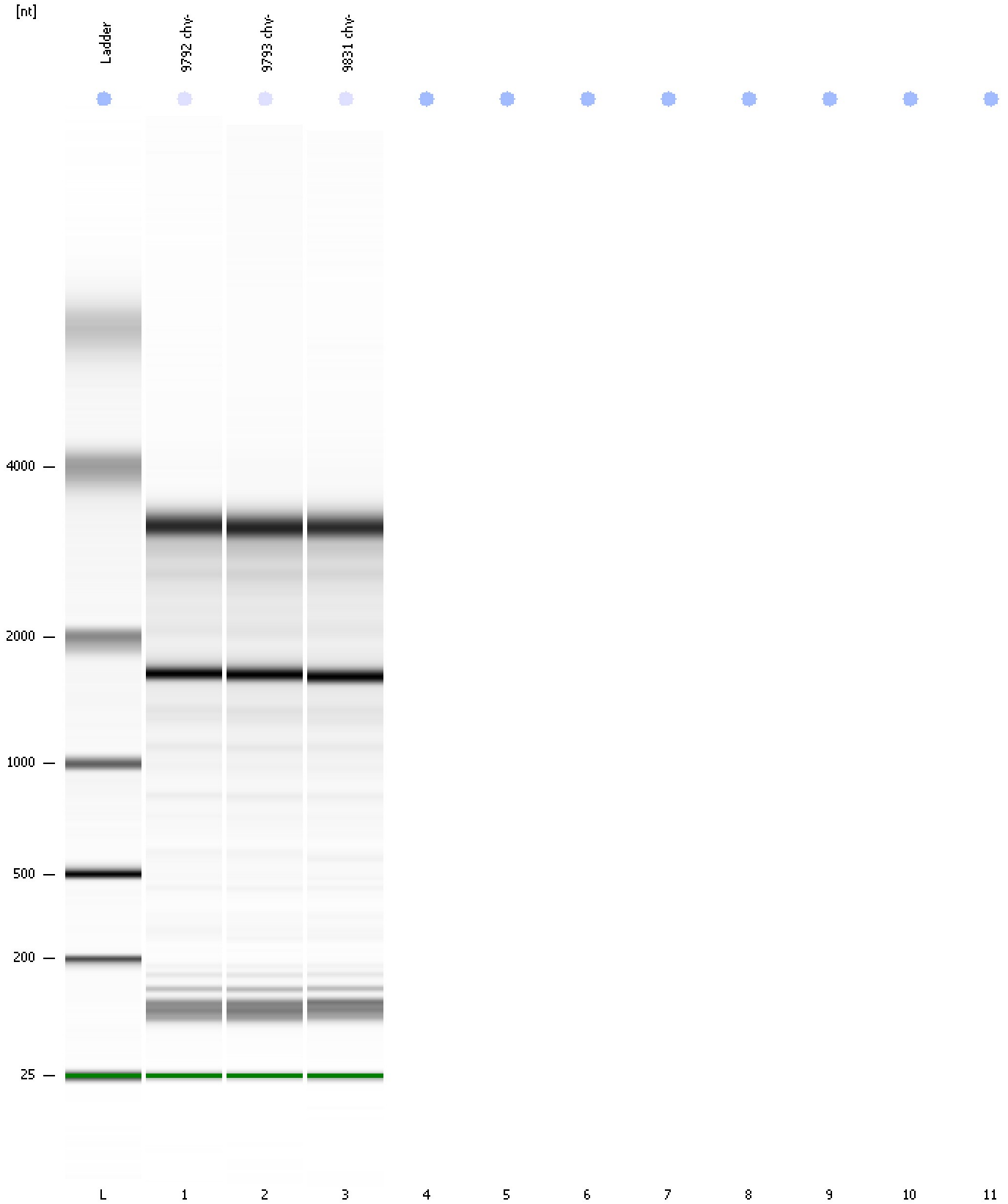
**Fragment table for sample 3 : 9831 chy-**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,946	56.4	15.7
28S	2,867	3,767	70.9	19.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Gel Image**



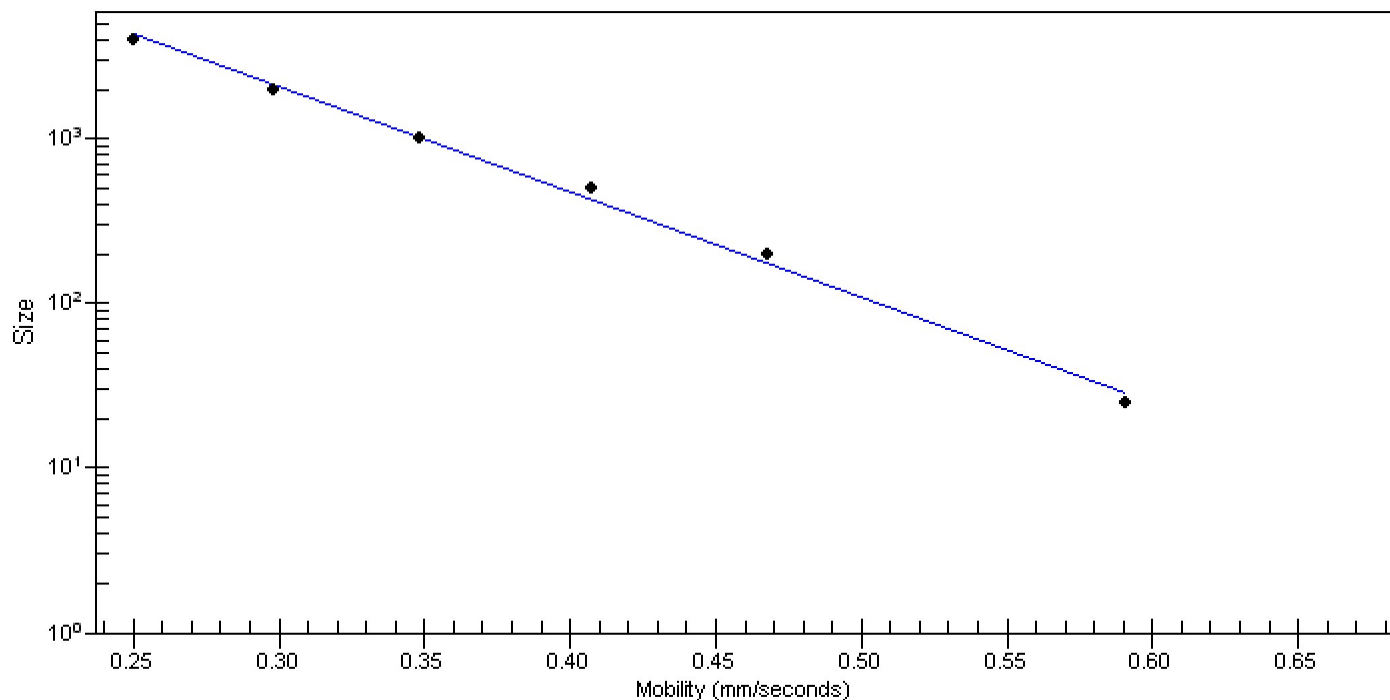


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad

Created: 9/9/2019 11:49:19 AM  
Modified: 9/9/2019 12:00:53 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.

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2019-09-09\2019-09-09\2019-09-09\_001.xad  
 Created: 9/9/2019 11:49:19 AM  
 Modified: 9/9/2019 12:00:53 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		9/9/2019 12:00:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-09\2019-09-09_001.xad)		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/9/2019 11:49:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1