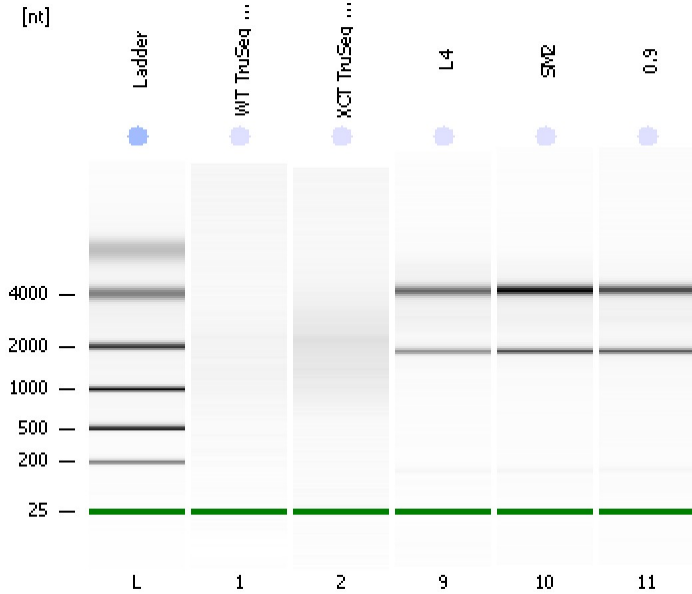


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

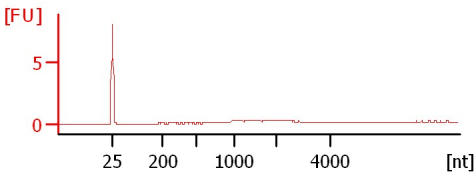
Assay Information:

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)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

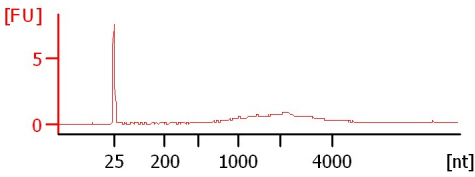
Chip Information:

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

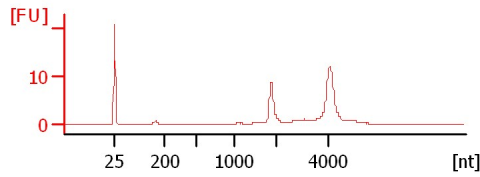
**WT TruSeq polyA**  
 RIN:1



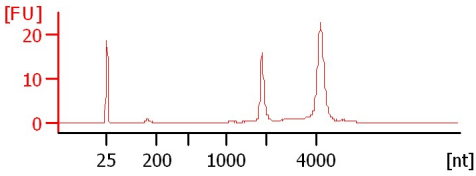
**XCT TruSeq polyA**  
 RIN: 1.10



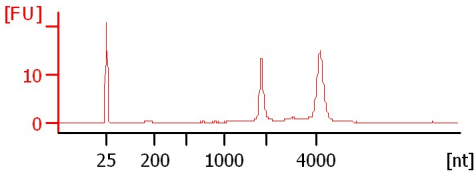
**L4**  
 RIN: 9.80



**SM2**  
 RIN:10



**0.9**  
 RIN:10



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TrueSeqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
WT TruSeq polyA		✓	RIN:1	
XCT TruSeq polyA		✓	RIN: 1.10	
L4		✓	RIN: 9.80	
SM2		✓	RIN:10	
0.9		✓	RIN:10	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TrueSeqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

## 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

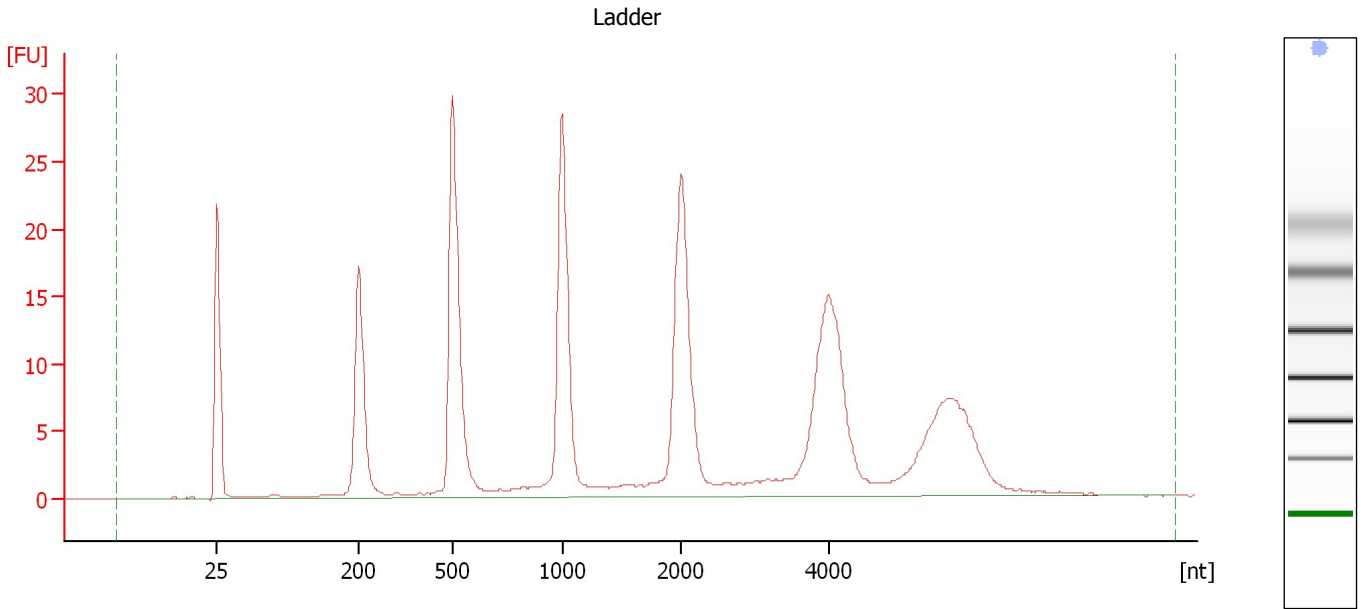
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary**



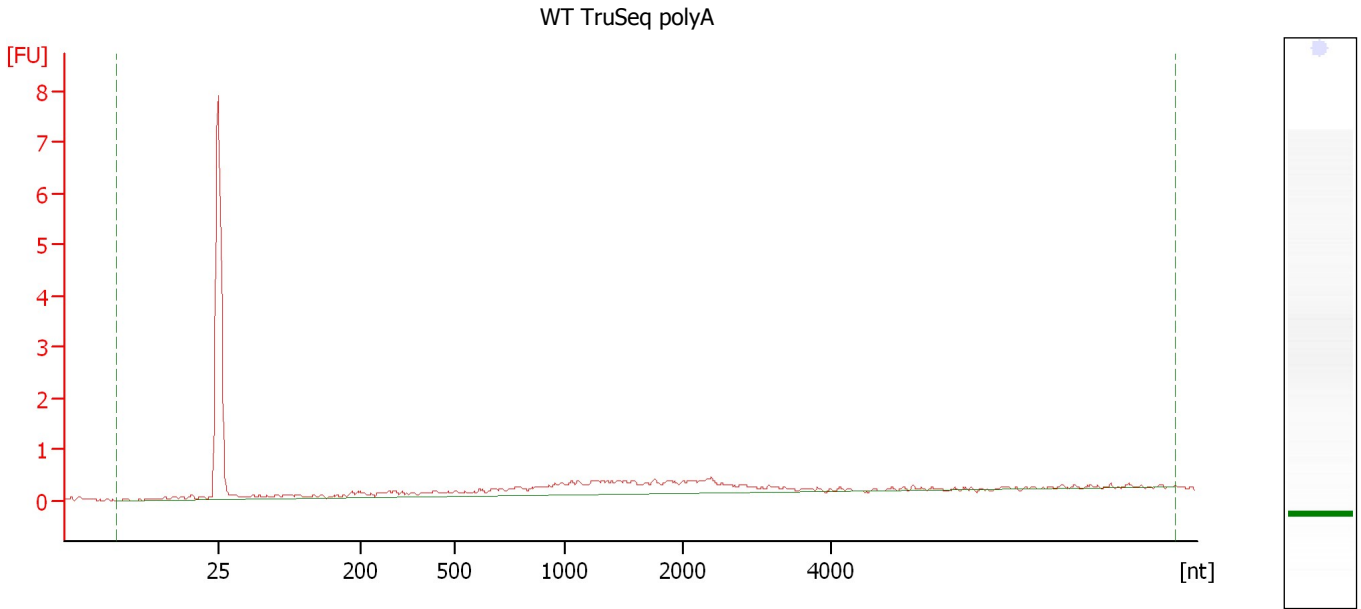
**Overall Results for Ladder**

RNA Area:	266.0	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:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary Continued ...**



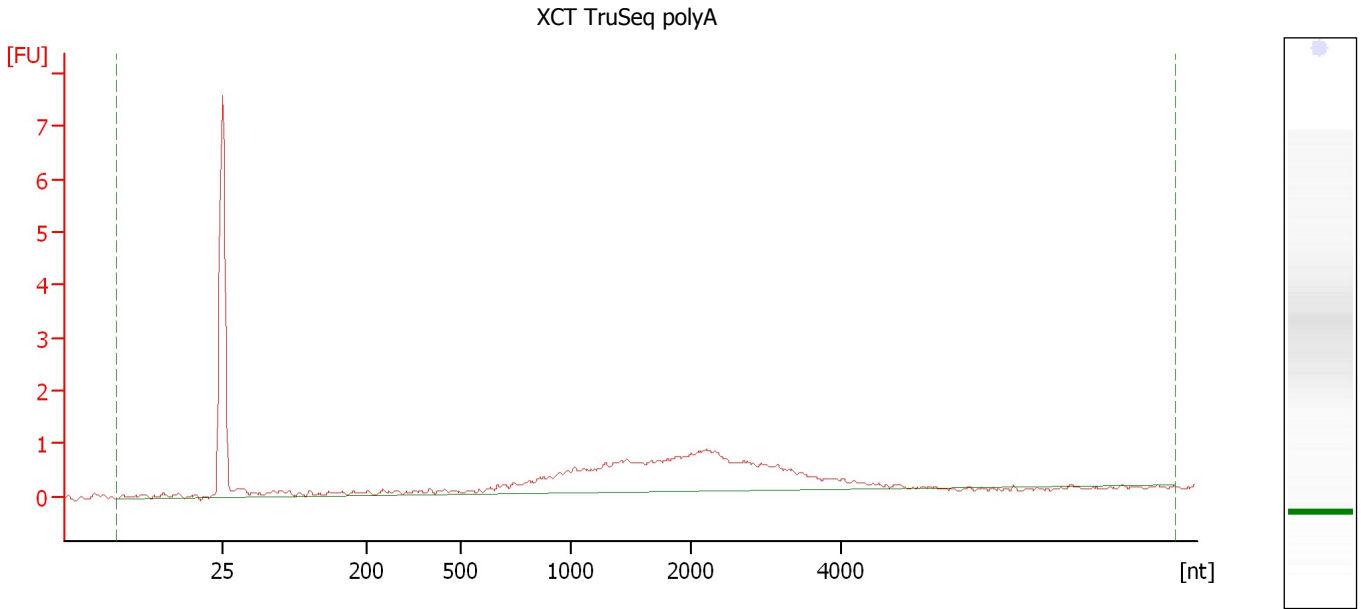
**Overall Results for sample 1 : WT Truseq polyA**

RNA Area:	9.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	34 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:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary Continued ...**



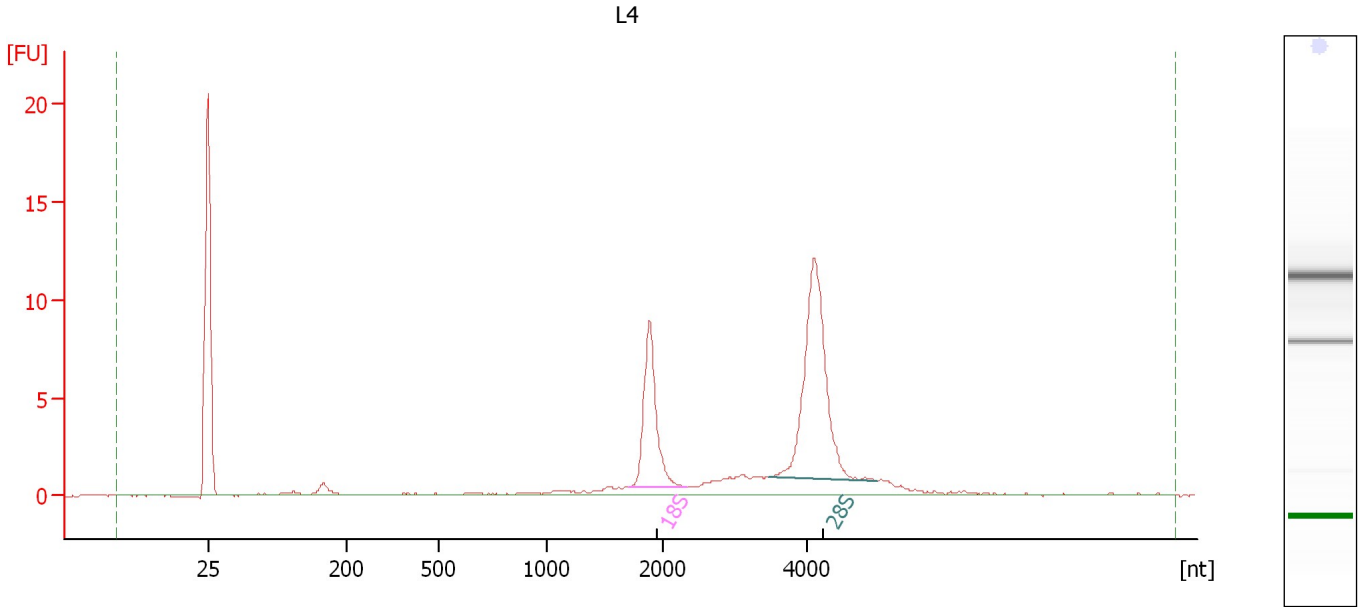
**Overall Results for sample 2 : XCT Truseq polyA**

RNA Area:	19.9	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	75 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: 1.10

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : L4**

RNA Area:	62.2	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	234 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]:	1.9	Result Flagging Label:	RIN: 9.80

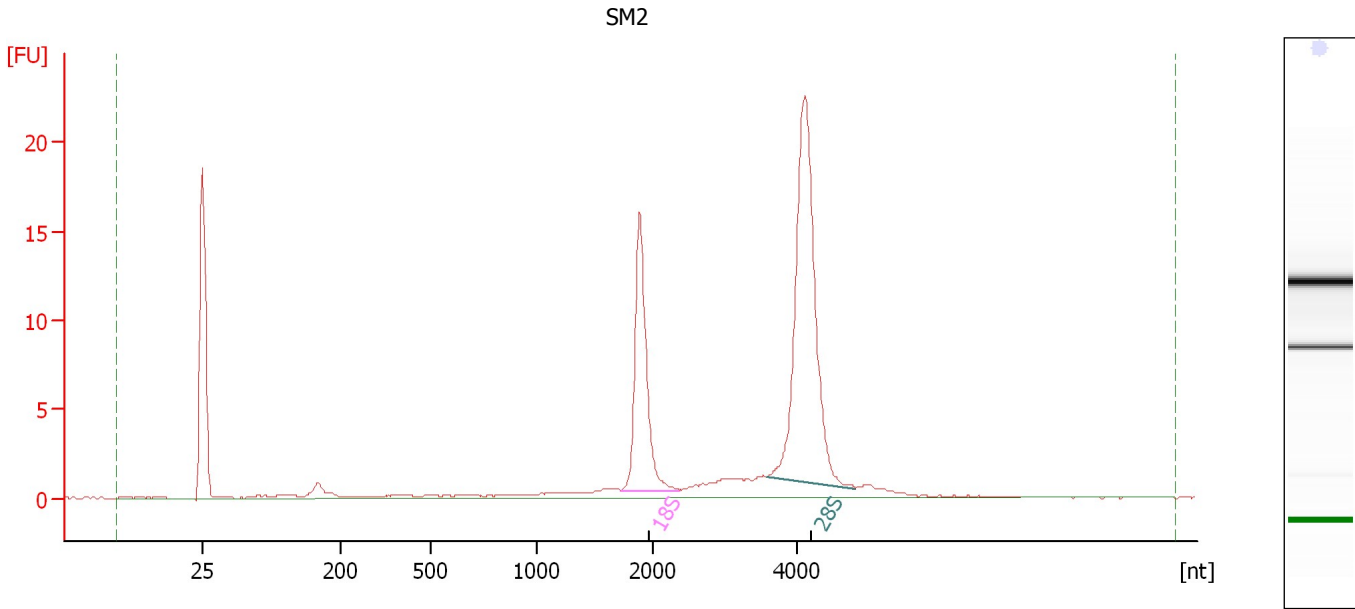
**Fragment table for sample 9 : L4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,340	12.7	20.5
28S	3,463	4,969	24.8	39.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : SM2**

RNA Area:	98.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	369 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]:	2.0	Result Flagging Label:	RIN:10

**Fragment table for sample 10 : SM2**

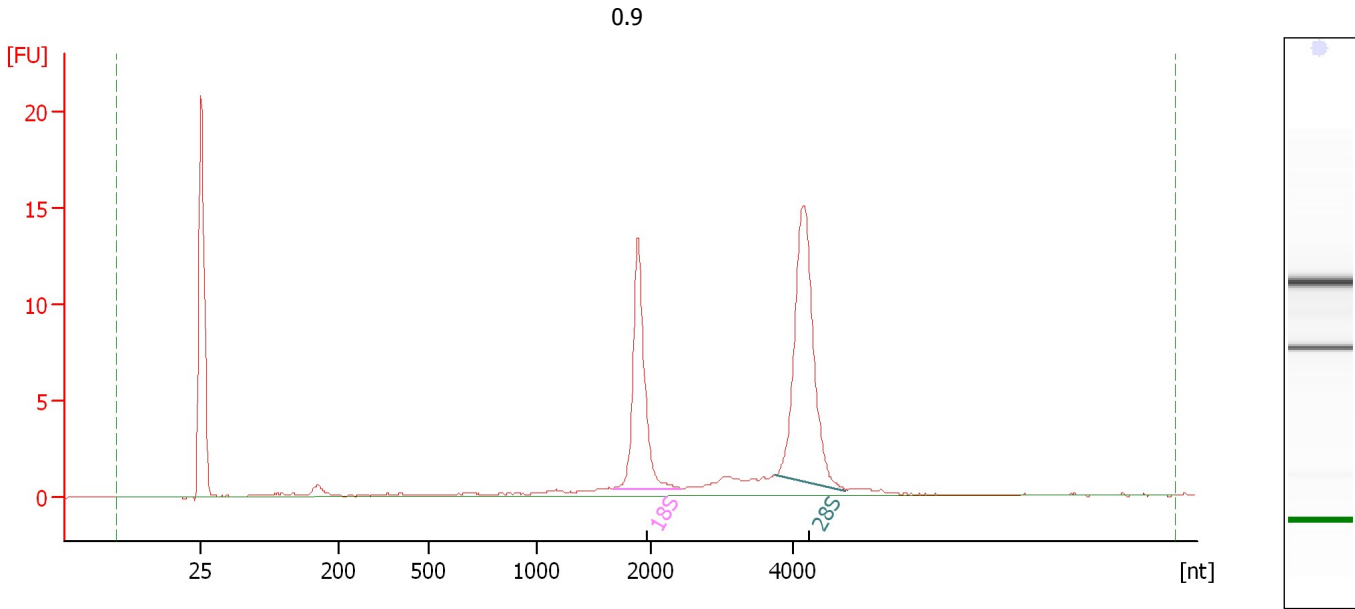
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,366	21.6	22.0
28S	3,590	4,828	43.5	44.2



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 0.9**

RNA Area:	69.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	262 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]:	1.5	Result Flagging Label:	RIN:10

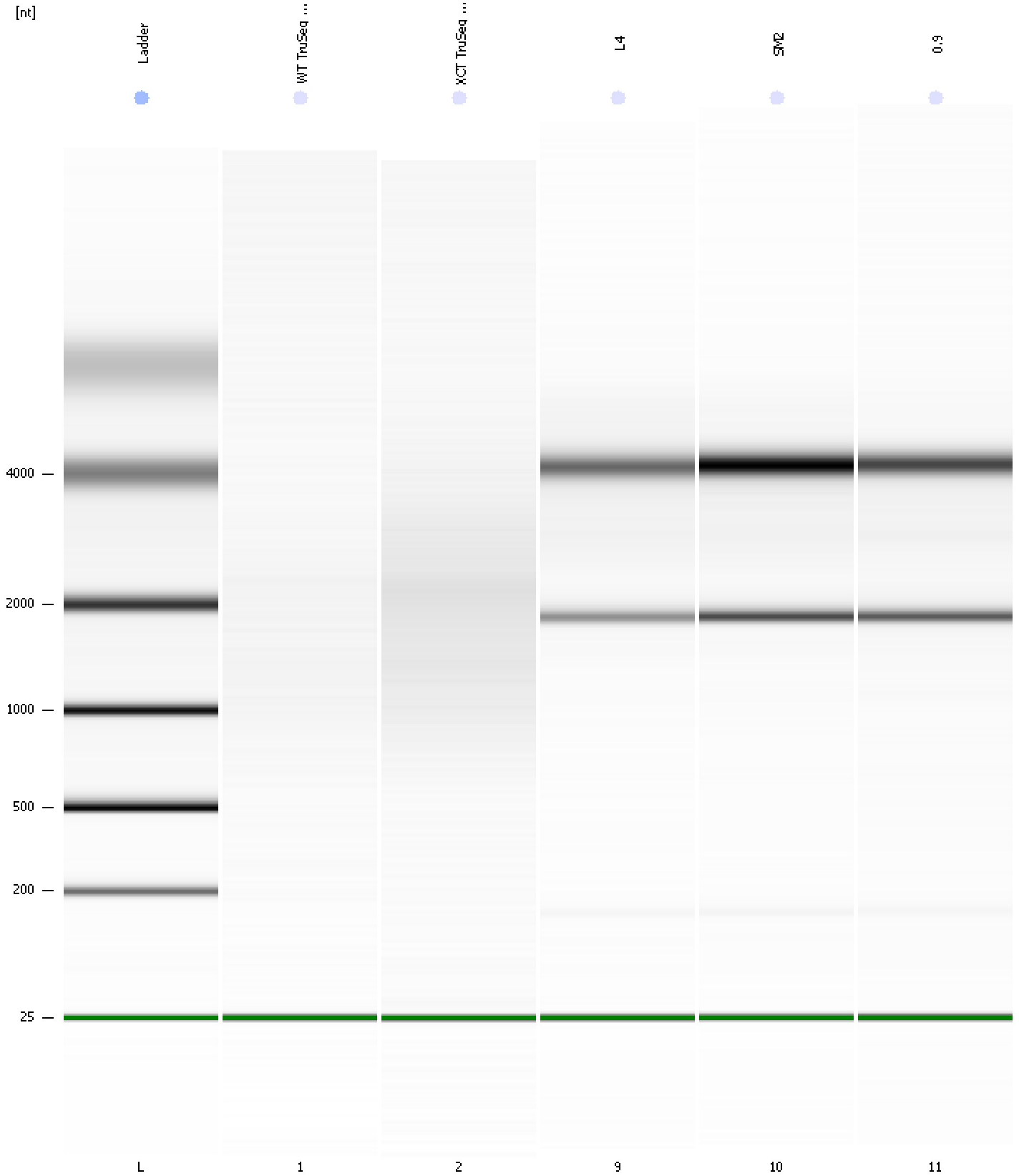
**Fragment table for sample 11 : 0.9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,425	18.4	26.3
28S	3,726	4,728	28.2	40.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

**Gel Image**

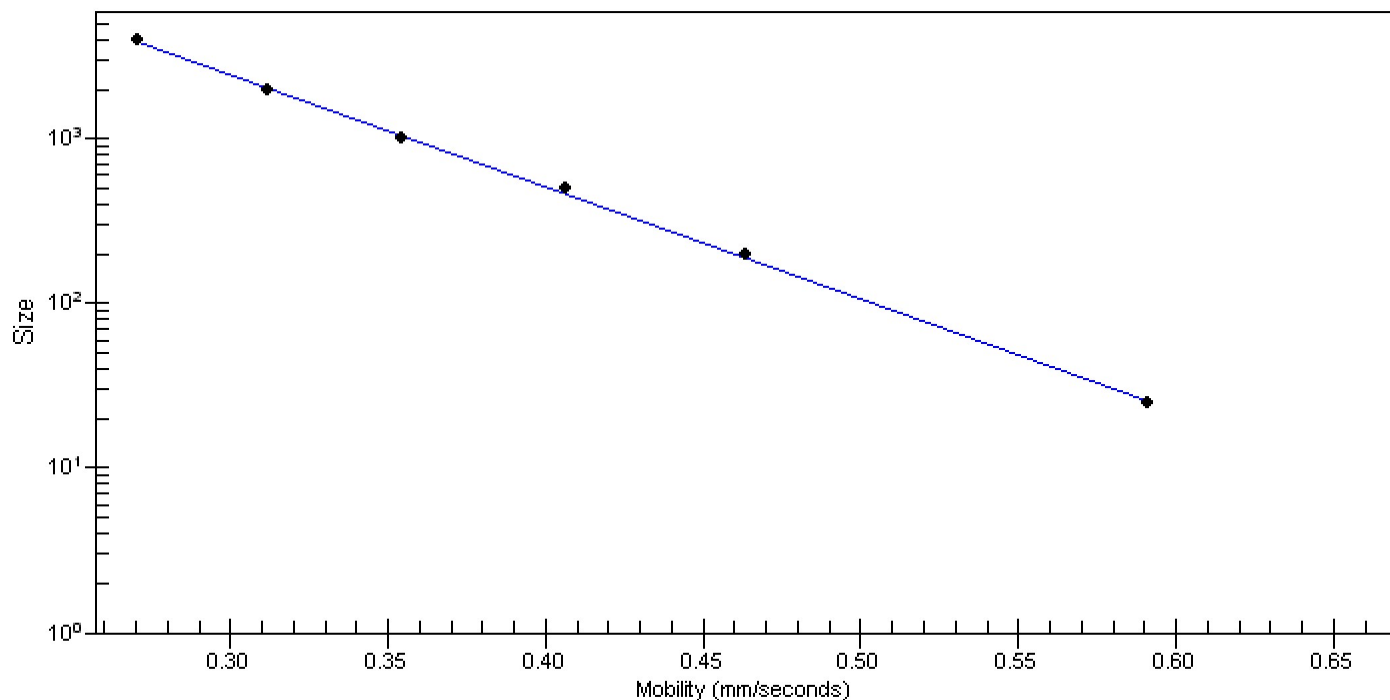


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TruseqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
Modified: 9/24/2014 10:58:04 AM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2014-09-24\2014-09-24\_003\_TrueSeqPolyATest.xad

Created: 9/24/2014 10:25:25 AM  
 Modified: 9/24/2014 10:58:04 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/24/2014 10:48:18 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-24\2014-09-24_003.xad)		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/24/2014 10:25:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1