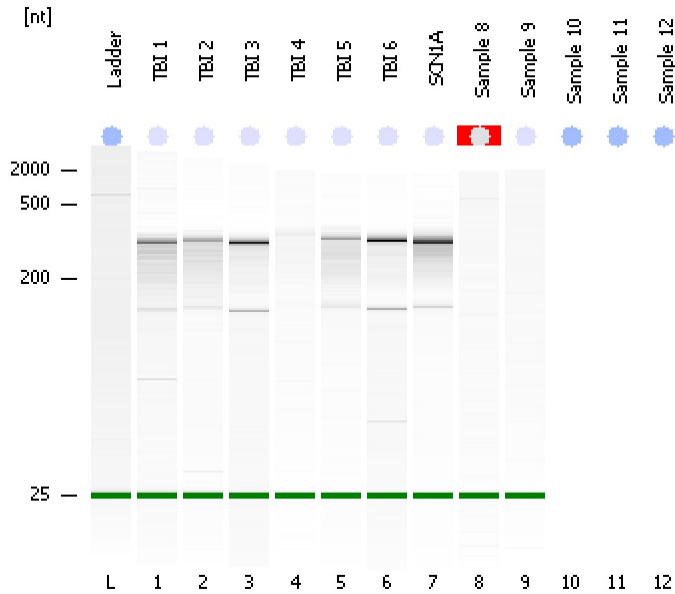


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

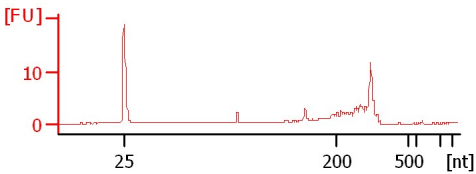
Assay Information:

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.

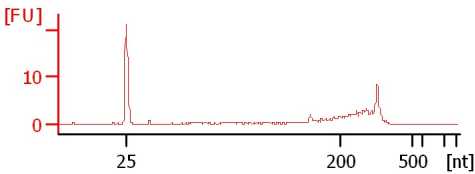
Chip Information:

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

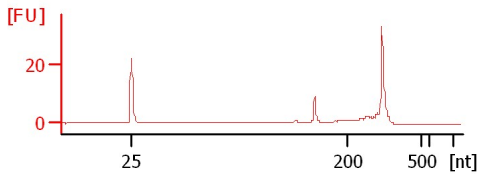
**TBI 1**  
RIN: 6.30



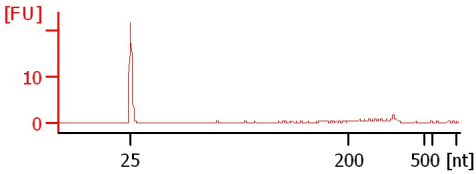
**TBI 2**  
RIN: 5



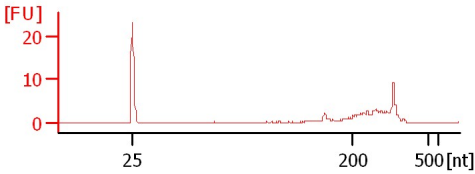
**TBI 3**  
RIN: 8.30



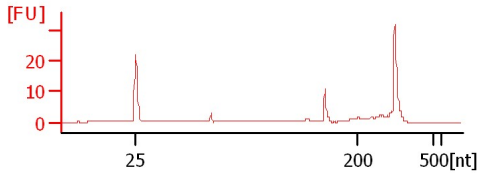
**TBI 4**  
RIN: 1



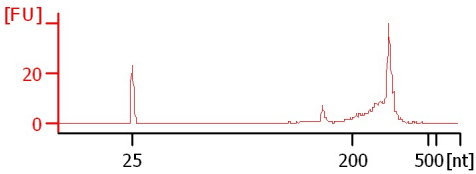
**TBI 5**  
RIN: 4.90



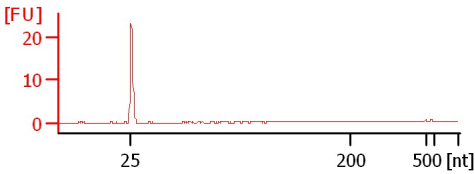
**TBI 6**  
RIN: 8.30



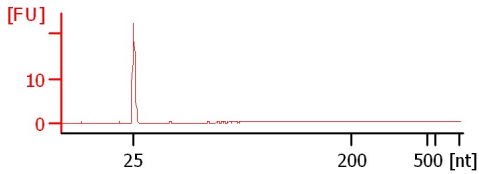
**SCN1A**  
RIN: 7.30



**Sample 8**  
RIN N/A



**Sample 9**  
RIN: 1



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
TBI 1		✓	RIN: 6.30	
TBI 2		✓	RIN:5	
TBI 3		✓	RIN: 8.30	
TBI 4		✓	RIN:1	
TBI 5		✓	RIN: 4.90	
TBI 6		✓	RIN: 8.30	
SCN1A		✓	RIN: 7.30	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN:1	
Sample 10		✗		
Sample 11		✗		
Sample 12		✗		
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 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

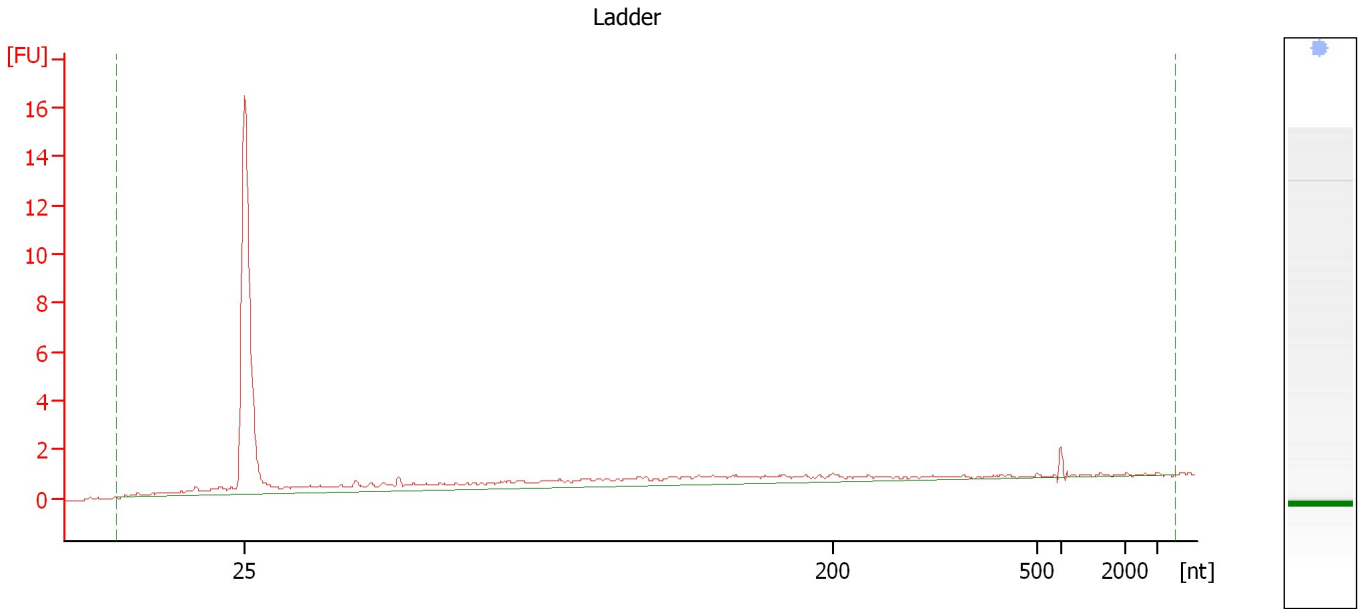
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary**



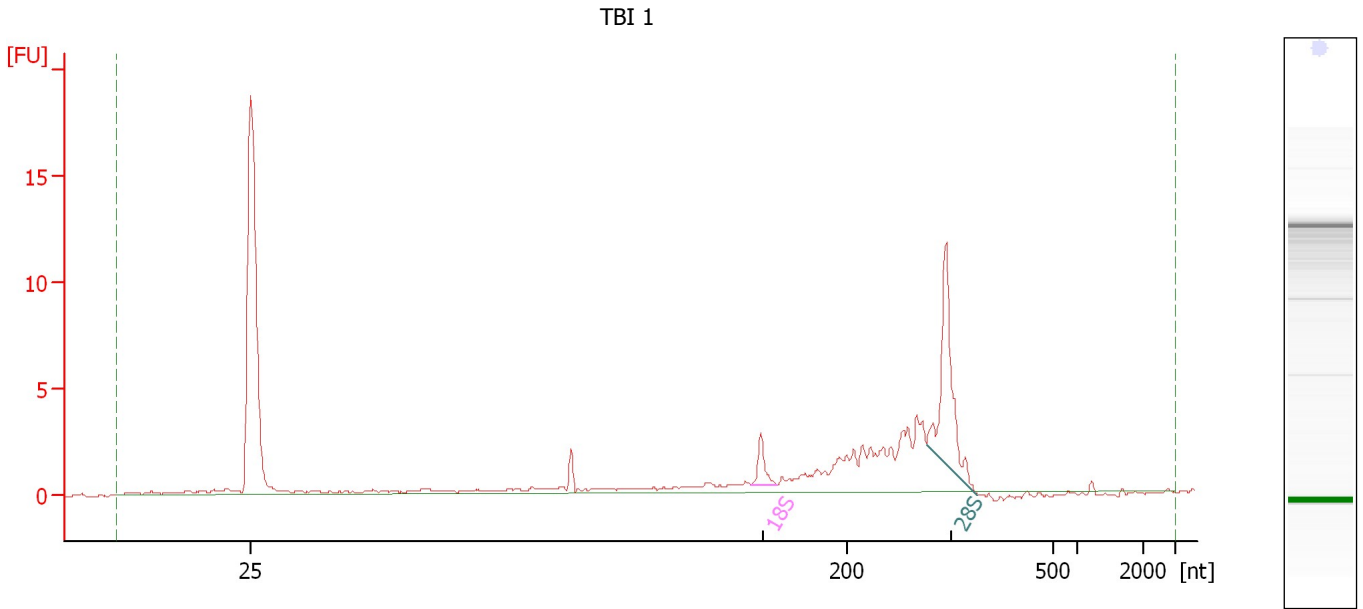
**Overall Results for Ladder**

RNA Area:	27.7	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
 Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : TBI 1**

RNA Area:	50.8	RNA Integrity Number (RIN):	6.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	275 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]:	5.7	Result Flagging Label:	RIN: 6.30

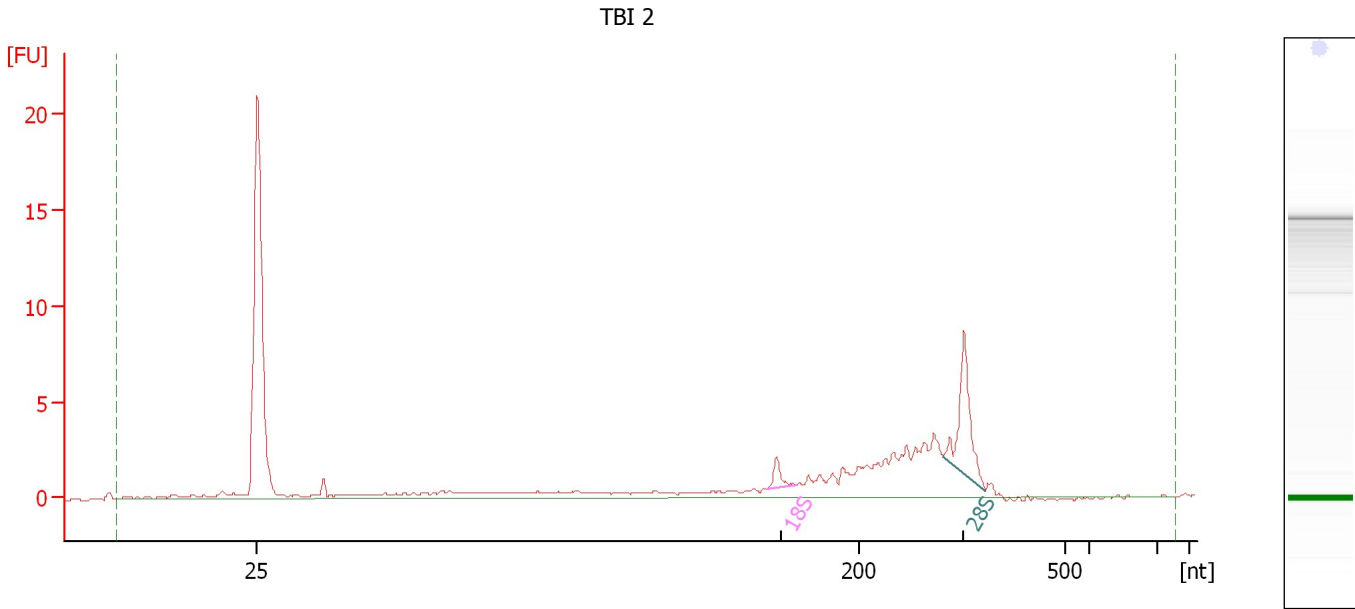
**Fragment table for sample 1 : TBI 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	171	179	1.7	3.4
28S	316	389	10.0	19.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
 Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : TBI 2**

RNA Area:	51.2	RNA Integrity Number (RIN):	5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	277 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]:	5.4	Result Flagging Label:	RIN:5

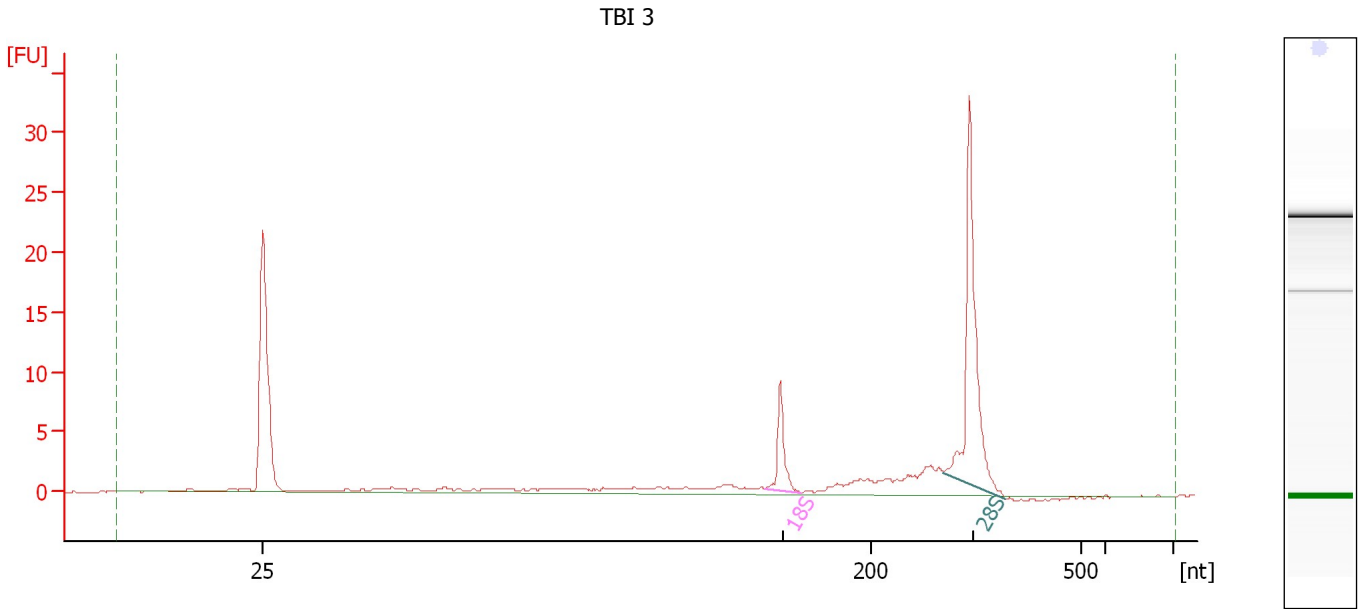
**Fragment table for sample 2 : TBI 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	173	182	1.3	2.6
28S	323	384	7.0	13.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : TBI 3**

RNA Area:	74.1	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	401 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]:	4.4	Result Flagging Label:	RIN: 8.30

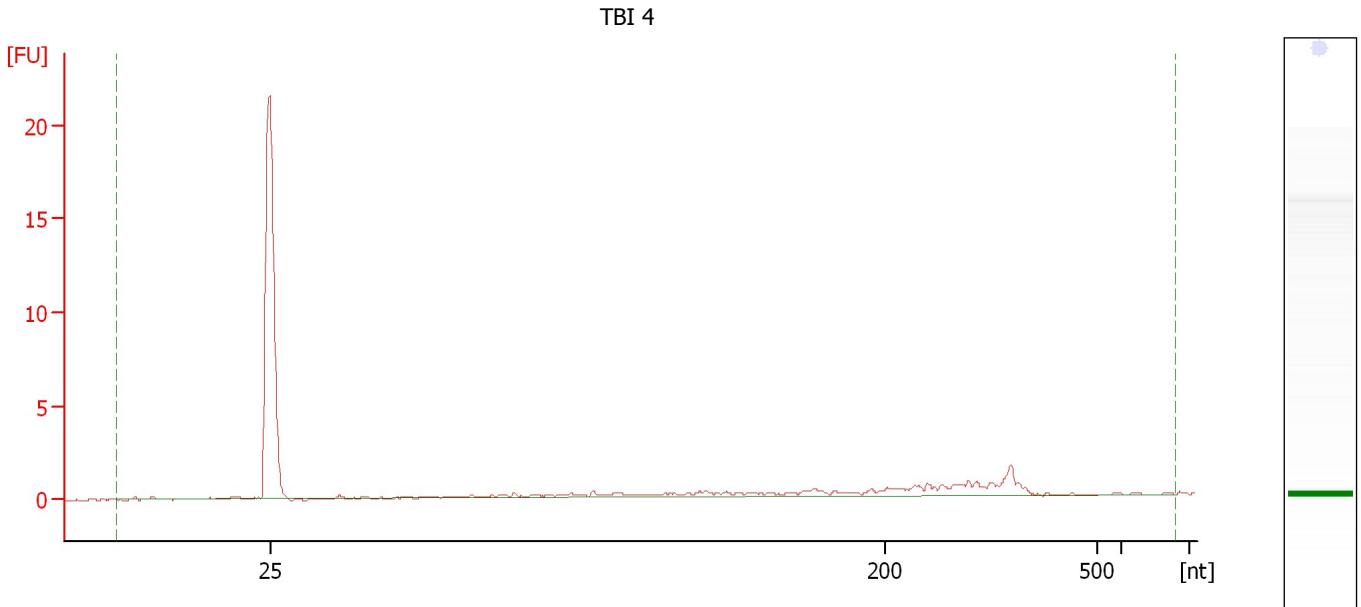
**Fragment table for sample 3 : TBI 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	169	179	6.2	8.4
28S	303	391	27.3	36.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : TBI 4**

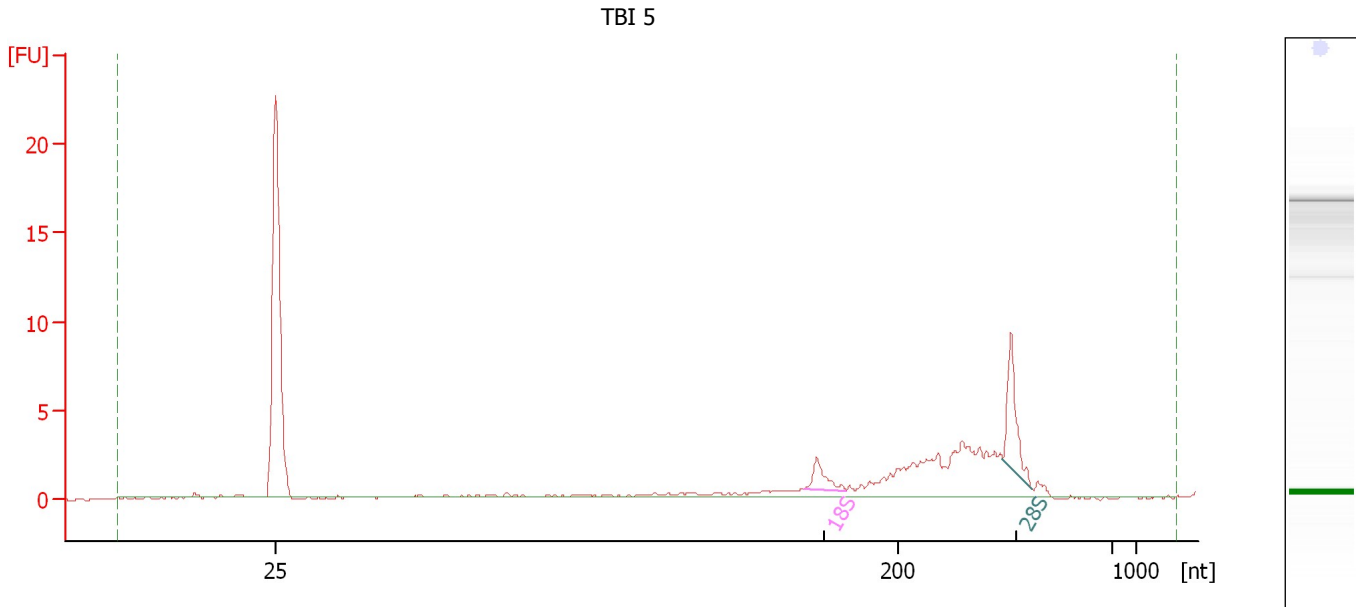
RNA Area:	13.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	74 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
 Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : TBI 5**

RNA Area:	43.5	RNA Integrity Number (RIN):	4.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	235 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]:	2.6	Result Flagging Label:	RIN: 4.90

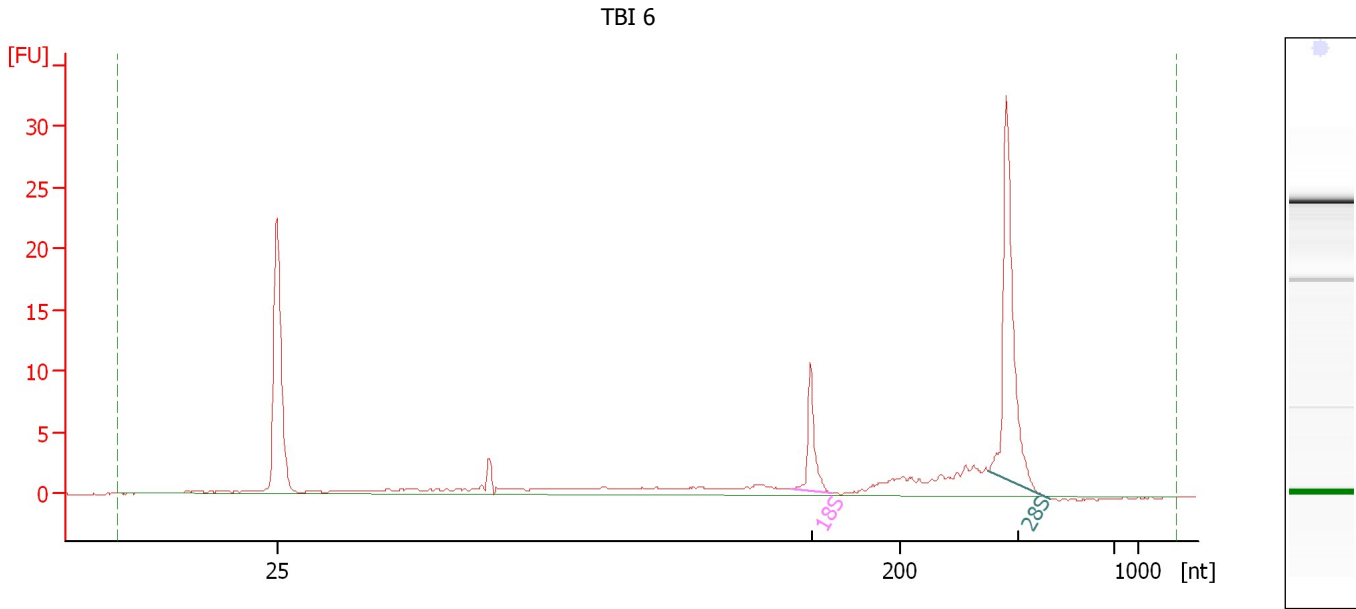
**Fragment table for sample 5 : TBI 5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	173	185	2.2	5.0
28S	347	388	5.6	12.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : TBI 6**

RNA Area:	83.8	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	453 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]:	3.6	Result Flagging Label:	RIN: 8.30

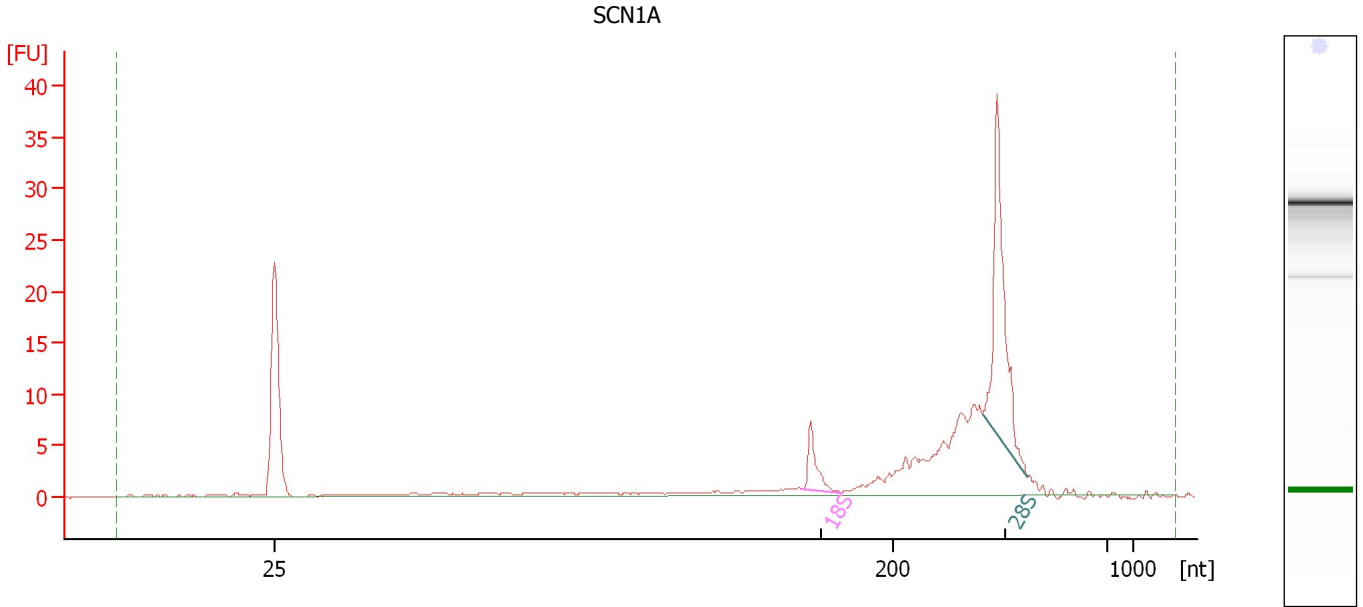
**Fragment table for sample 6 : TBI 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	169	180	7.4	8.8
28S	325	410	26.4	31.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : SCN1A**

RNA Area:	112.5	RNA Integrity Number (RIN):	7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	609 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]:	5.5	Result Flagging Label:	RIN: 7.30

**Fragment table for sample 7 : SCN1A**

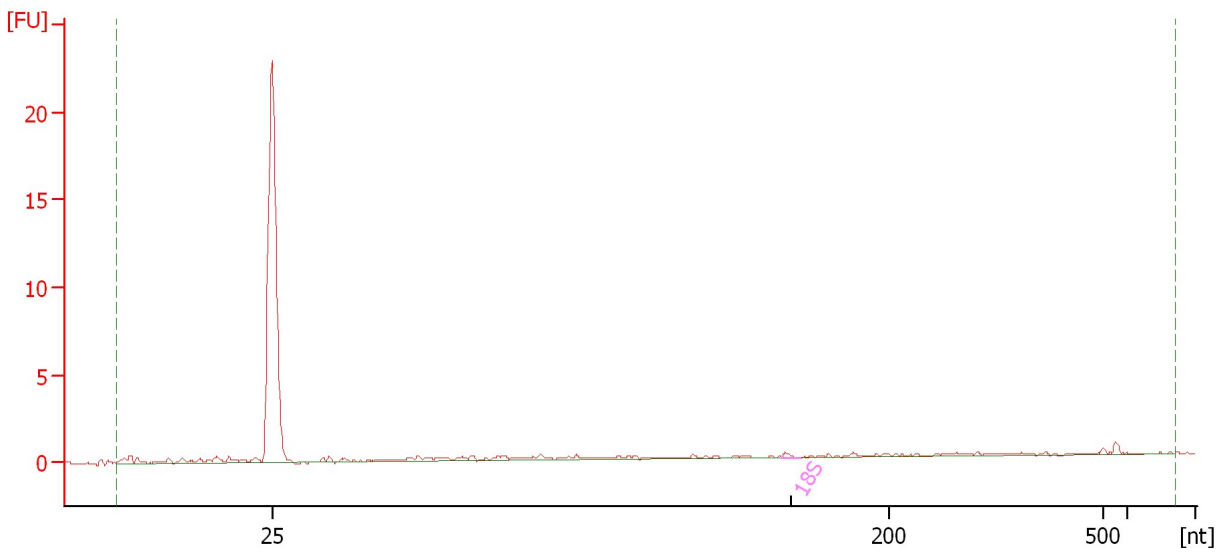
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	174	184	5.6	5.0
28S	324	385	30.8	27.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**

Sample 8



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

RNA Area:	8.5	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	46 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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

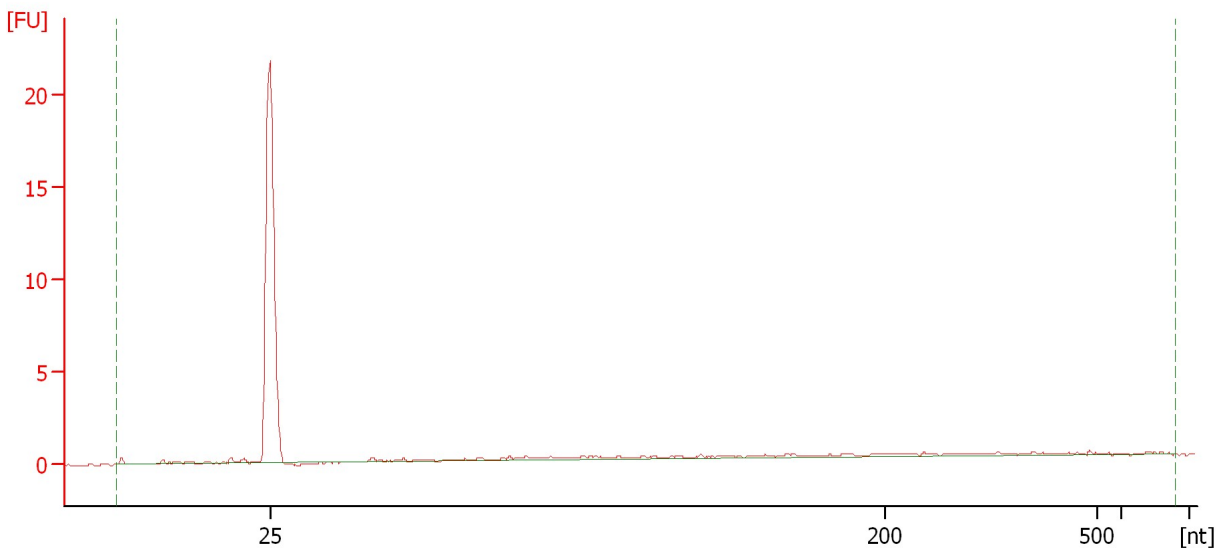
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	169	174	0.2	2.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Electropherogram Summary Continued ...**

Sample 9



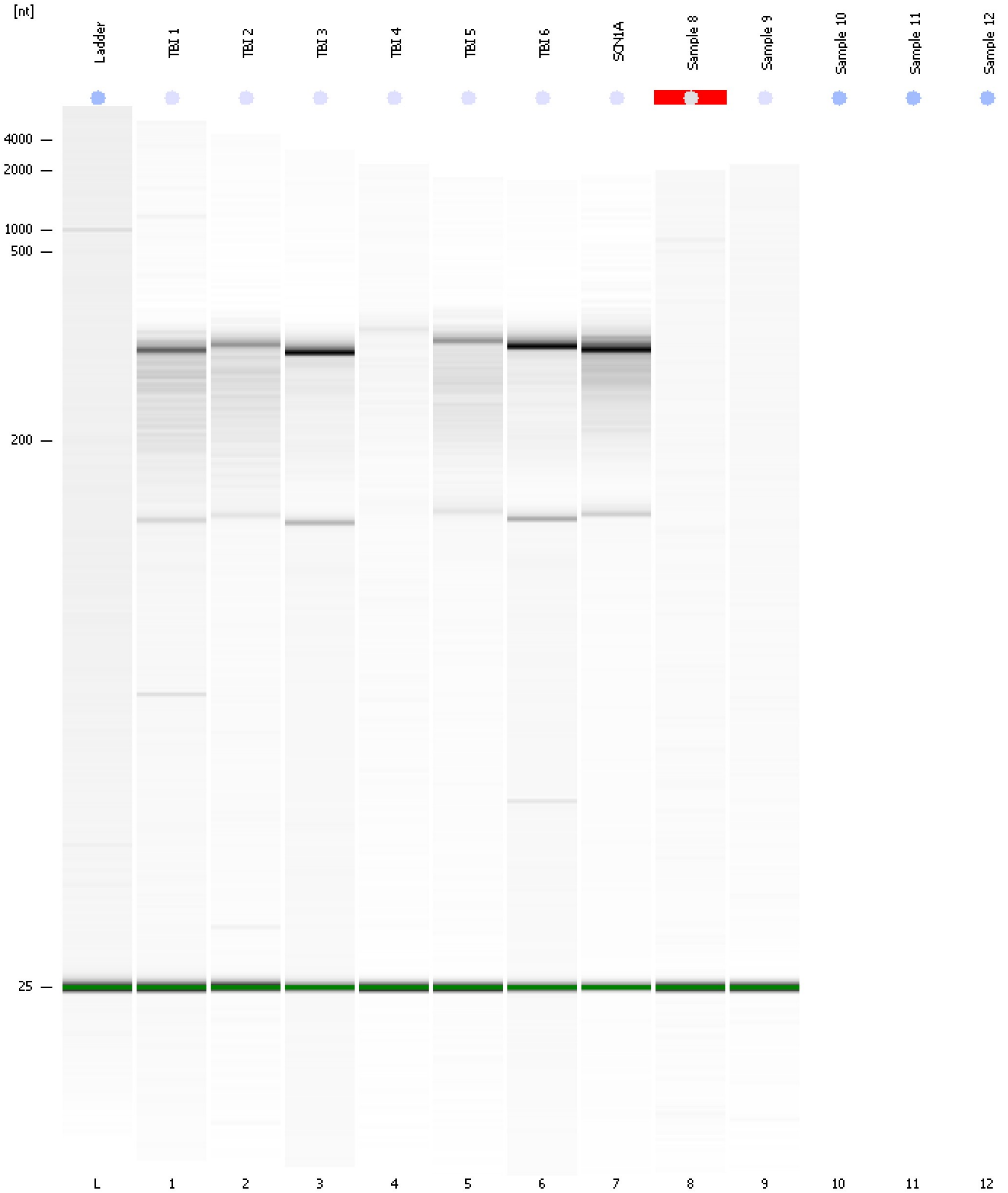
**Overall Results for sample 9 : Sample 9**

RNA Area:	13.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	72 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]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06\_002.xad

Created: 5/6/2015 12:52:26 PM  
Modified: 5/6/2015 1:18:34 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.