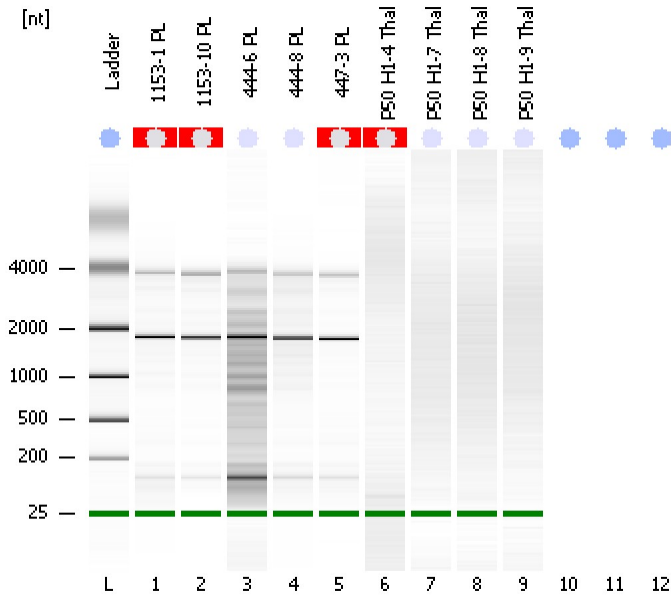


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

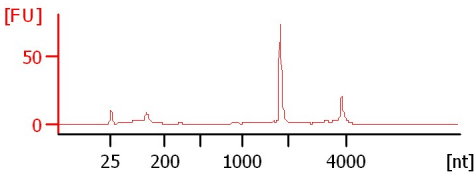
Assay Information:

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.

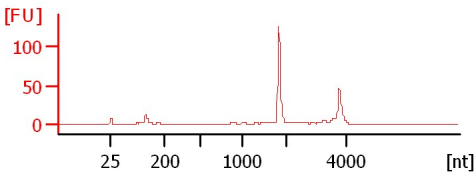
Chip Information:

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

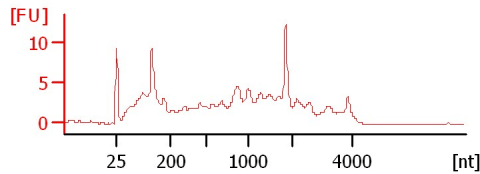
**1153-1 PL**  
RIN N/A



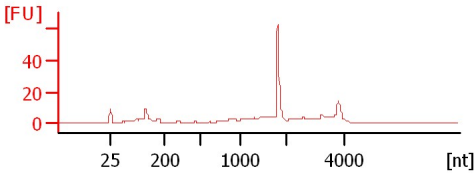
**1153-10 PL**  
RIN N/A



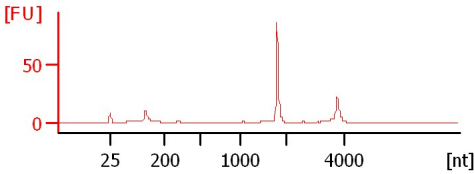
**444-6 PL**  
RIN: 4.40



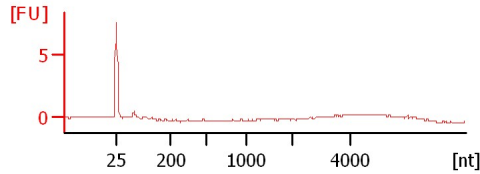
**444-8 PL**  
RIN: 7.20



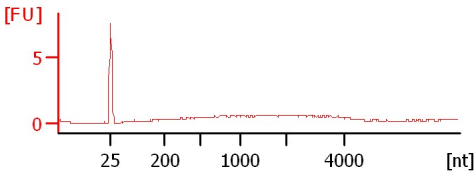
**447-3 PL**  
RIN N/A



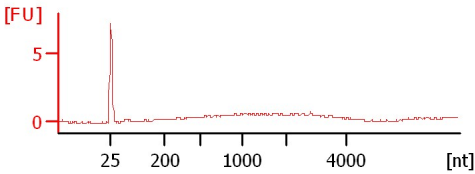
**P50 H1-4 Thal**  
RIN N/A



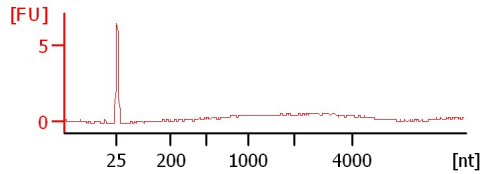
**P50 H1-7 Thal**  
RIN: 1



**P50 H1-8 Thal**  
RIN: 1.10



**P50 H1-9 Thal**  
RIN: 1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
 Modified: 5/31/2017 2:49:10 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1153-1 PL		✓	RIN N/A	
1153-10 PL		✓	RIN N/A	
444-6 PL		✓	RIN: 4.40	
444-8 PL		✓	RIN: 7.20	
447-3 PL		✓	RIN N/A	
P50 H1-4 Thal		✓	RIN N/A	
P50 H1-7 Thal		✓	RIN:1	
P50 H1-8 Thal		✓	RIN: 1.10	
P50 H1-9 Thal		✓	RIN:1	
Ladder		✓	All Other Samples	

**Chip Lot #**

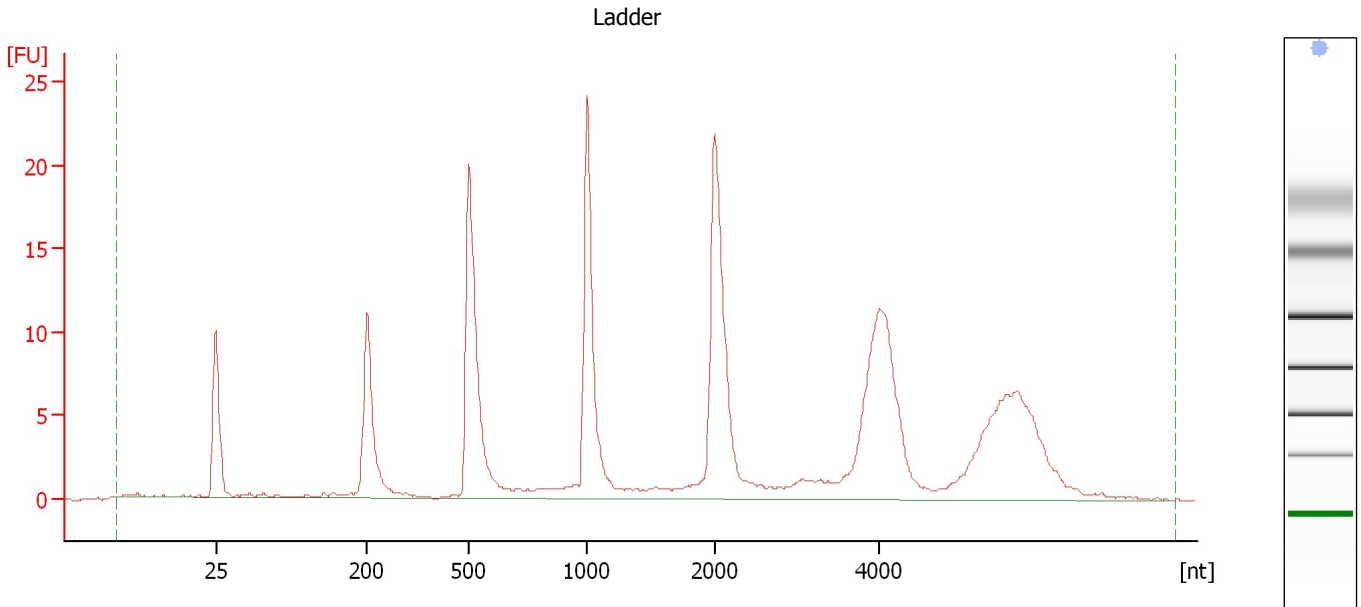
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary**



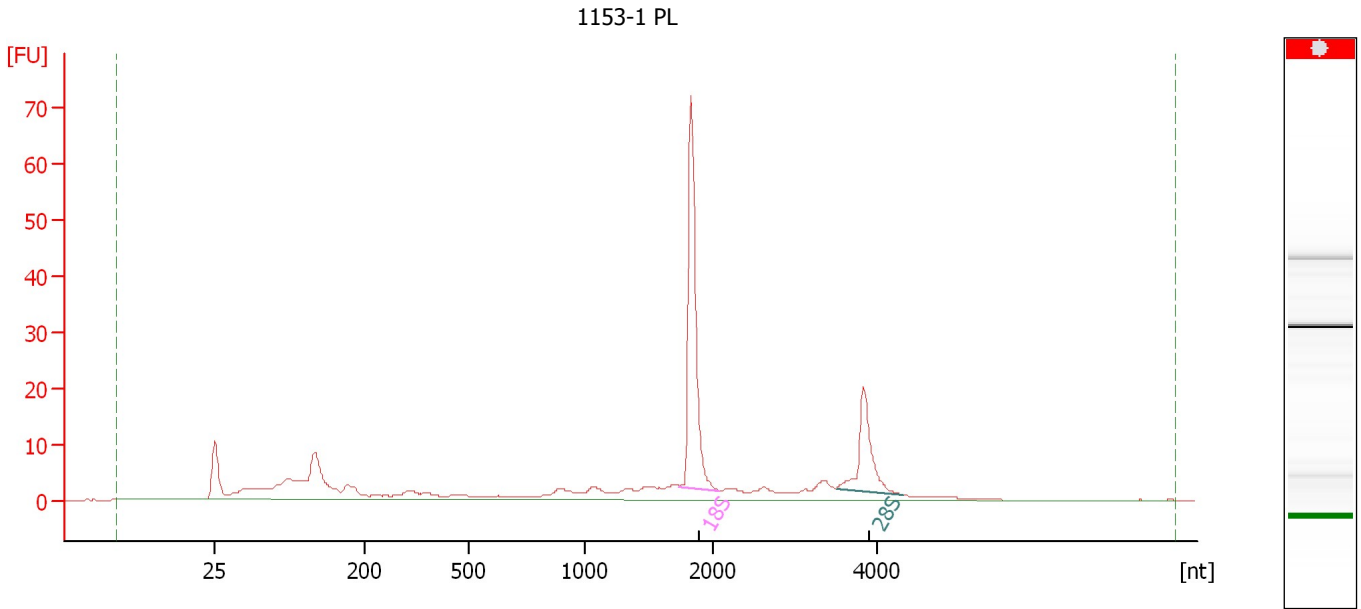
**Overall Results for Ladder**

RNA Area:	210.5	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\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1153-1 PL**

RNA Area: 222.6                      RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 159 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.4                      Result Flagging Label: RIN N/A

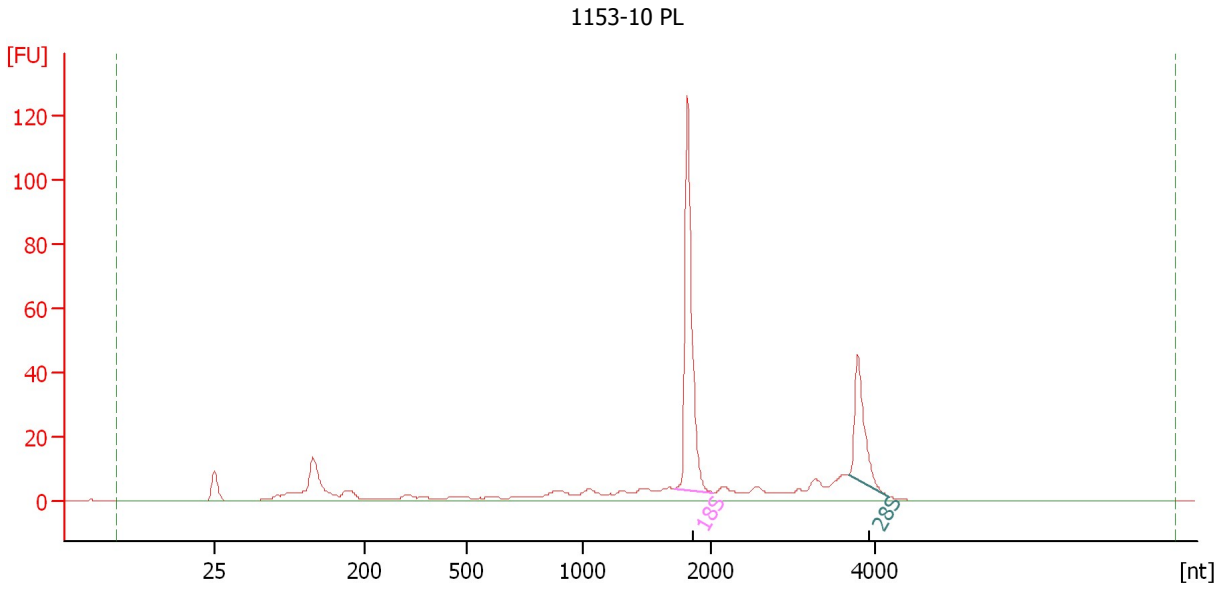
**Fragment table for sample 1 : 1153-1 PL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,090	57.6	25.9
28S	3,499	4,301	21.7	9.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 1153-10 PL**

RNA Area: 323.9                      RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 231 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.4                      Result Flagging Label: RIN N/A

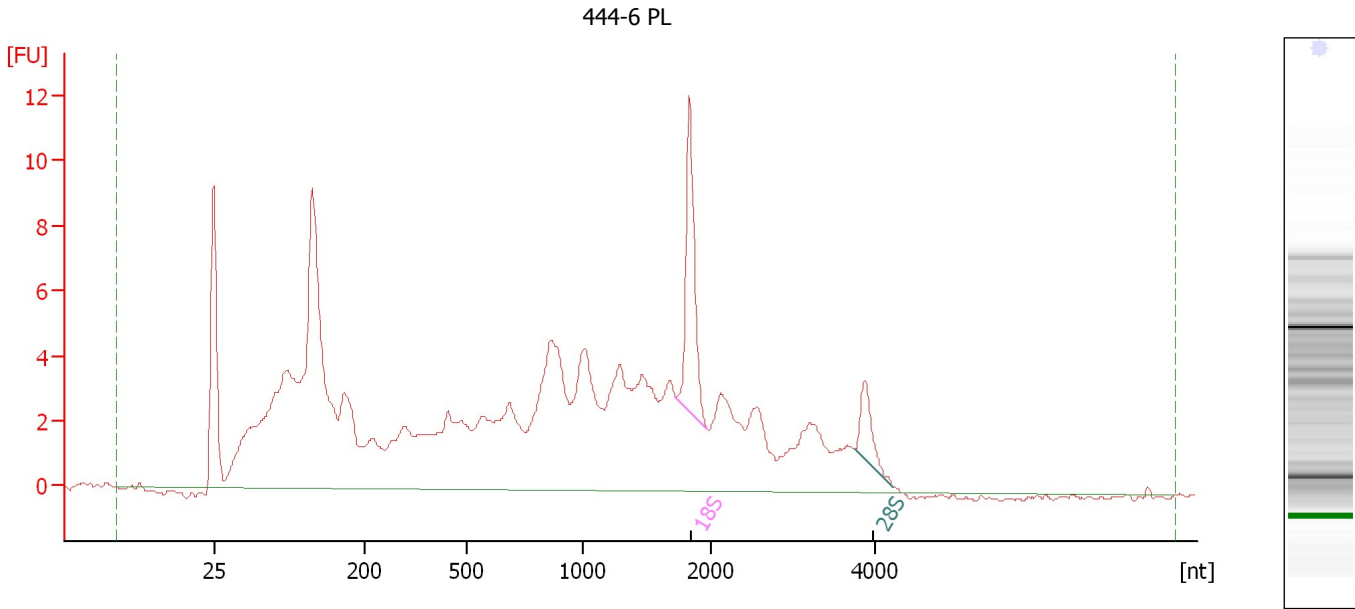
**Fragment table for sample 2 : 1153-10 PL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,025	98.8	30.5
28S	3,683	4,175	37.8	11.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 444-6 PL**

RNA Area:	208.0	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	148 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]:	0.3	Result Flagging Label:	RIN: 4.40

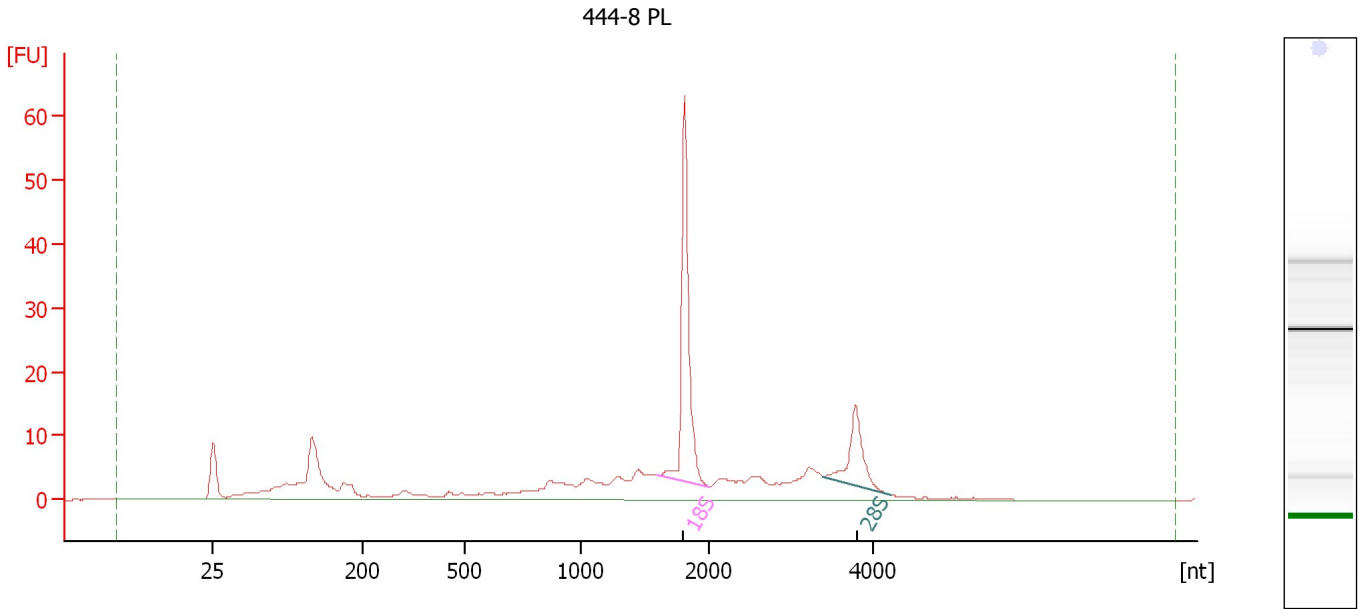
**Fragment table for sample 3 : 444-6 PL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	1,982	9.1	4.4
28S	3,761	4,214	2.6	1.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 444-8 PL**

RNA Area:	243.9	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	174 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]:	0.3	Result Flagging Label:	RIN: 7.20

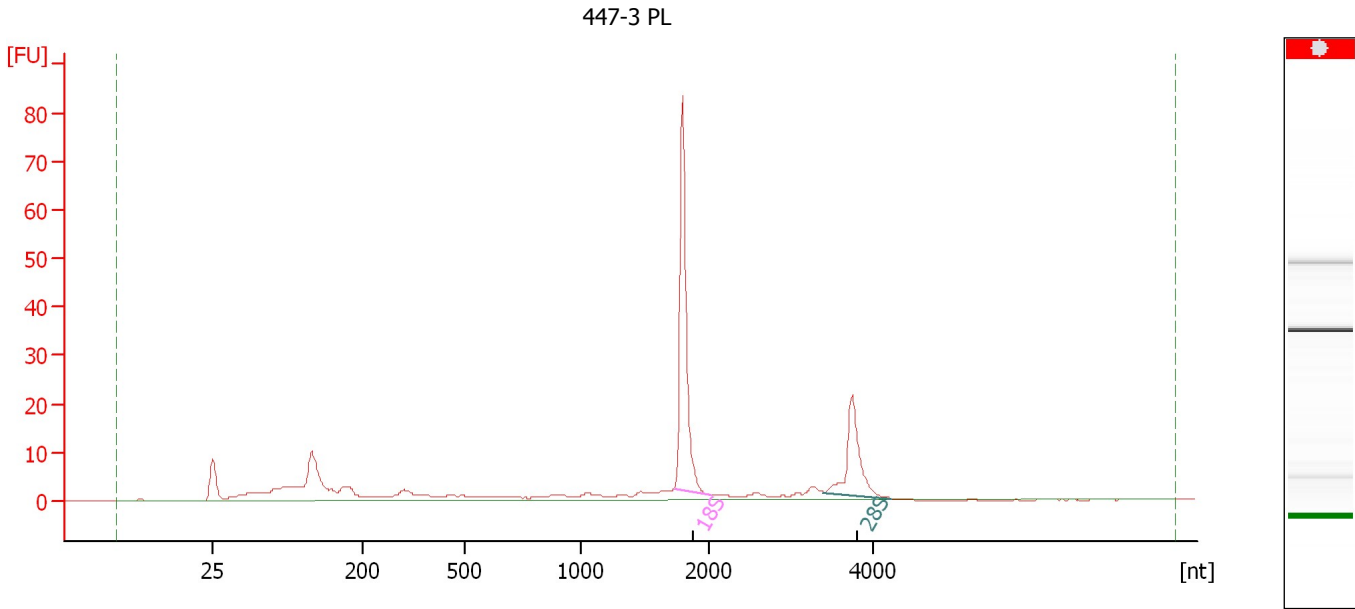
**Fragment table for sample 4 : 444-8 PL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	2,011	50.9	20.9
28S	3,400	4,231	16.8	6.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 447-3 PL**

RNA Area:	212.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	152 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN N/A

**Fragment table for sample 5 : 447-3 PL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,037	63.7	29.9
28S	3,400	4,231	24.3	11.4

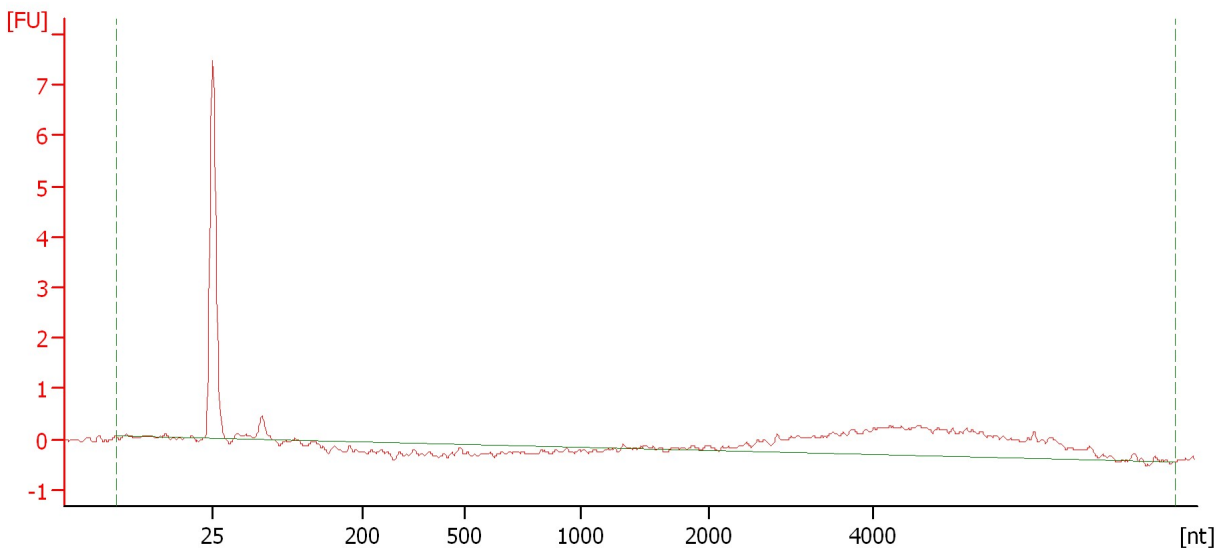


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**

P50 H1-4 Thal



**Overall Results for sample 6 : P50 H1-4 Thal**

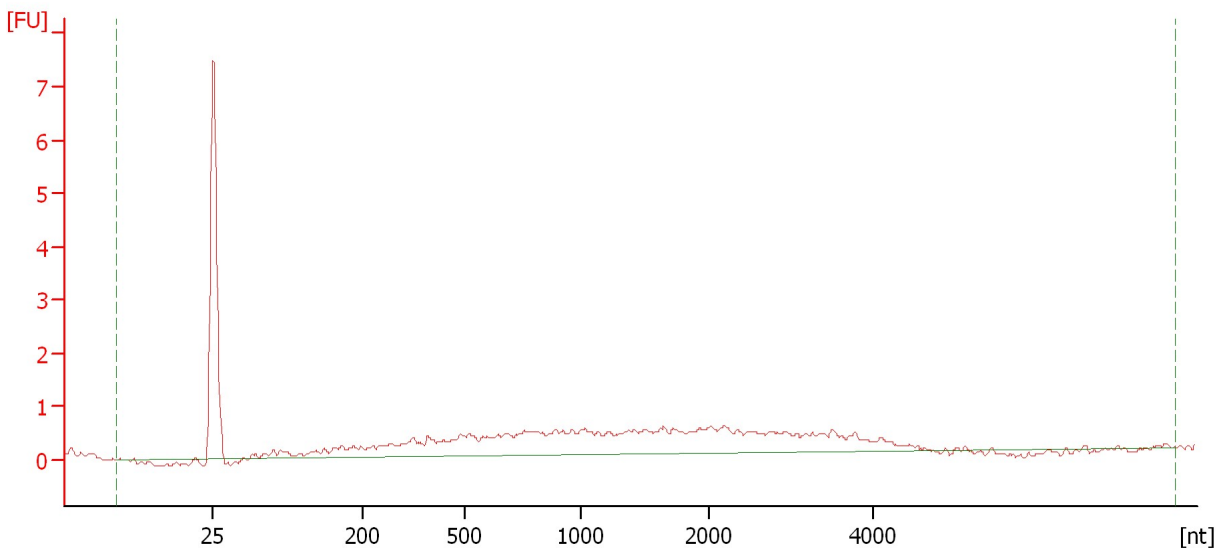
RNA Area:	13.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**

P50 H1-7 Thal



**Overall Results for sample 7 : P50 H1-7 Thal**

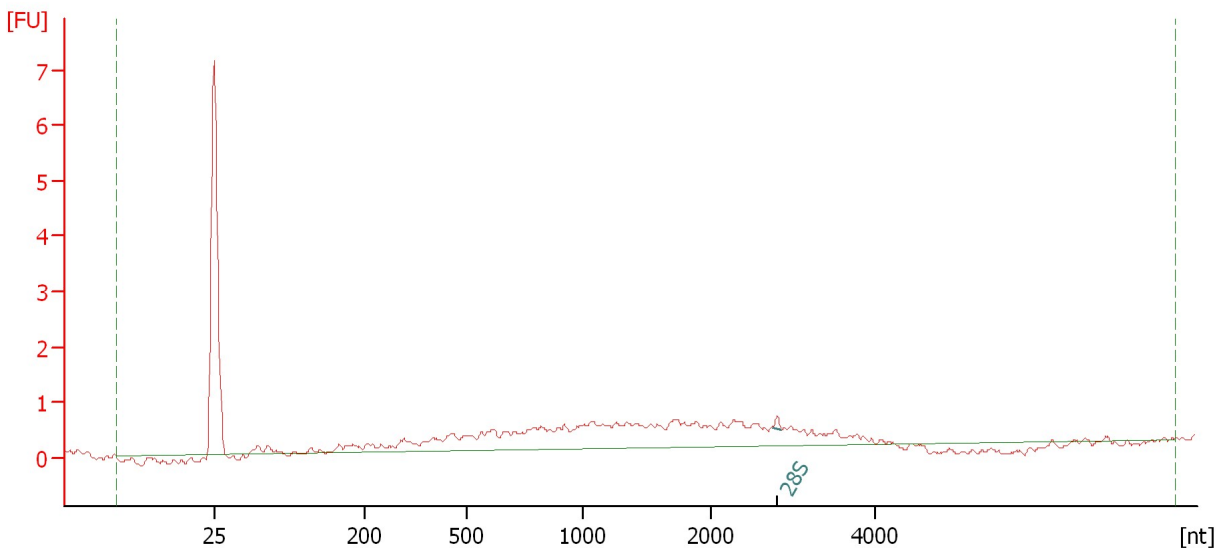
RNA Area:	22.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**

P50 H1-8 Thal



**Overall Results for sample 8 : P50 H1-8 Thal**

RNA Area:	16.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	12 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: 1.10

**Fragment table for sample 8 : P50 H1-8 Thal**

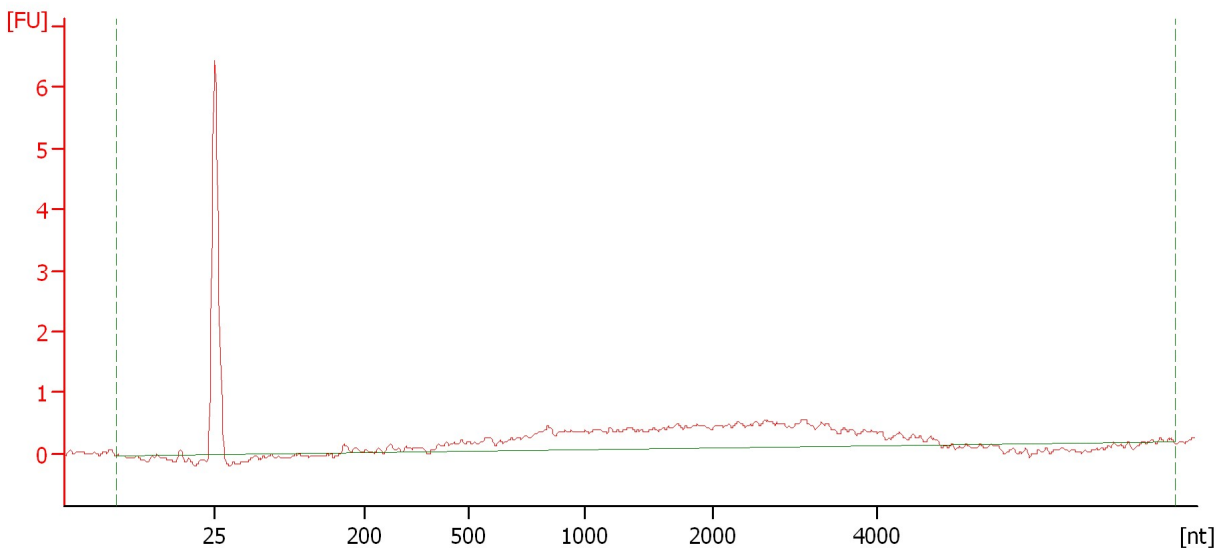
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,763	2,867	0.1	0.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Electropherogram Summary Continued ...**

P50 H1-9 Thal



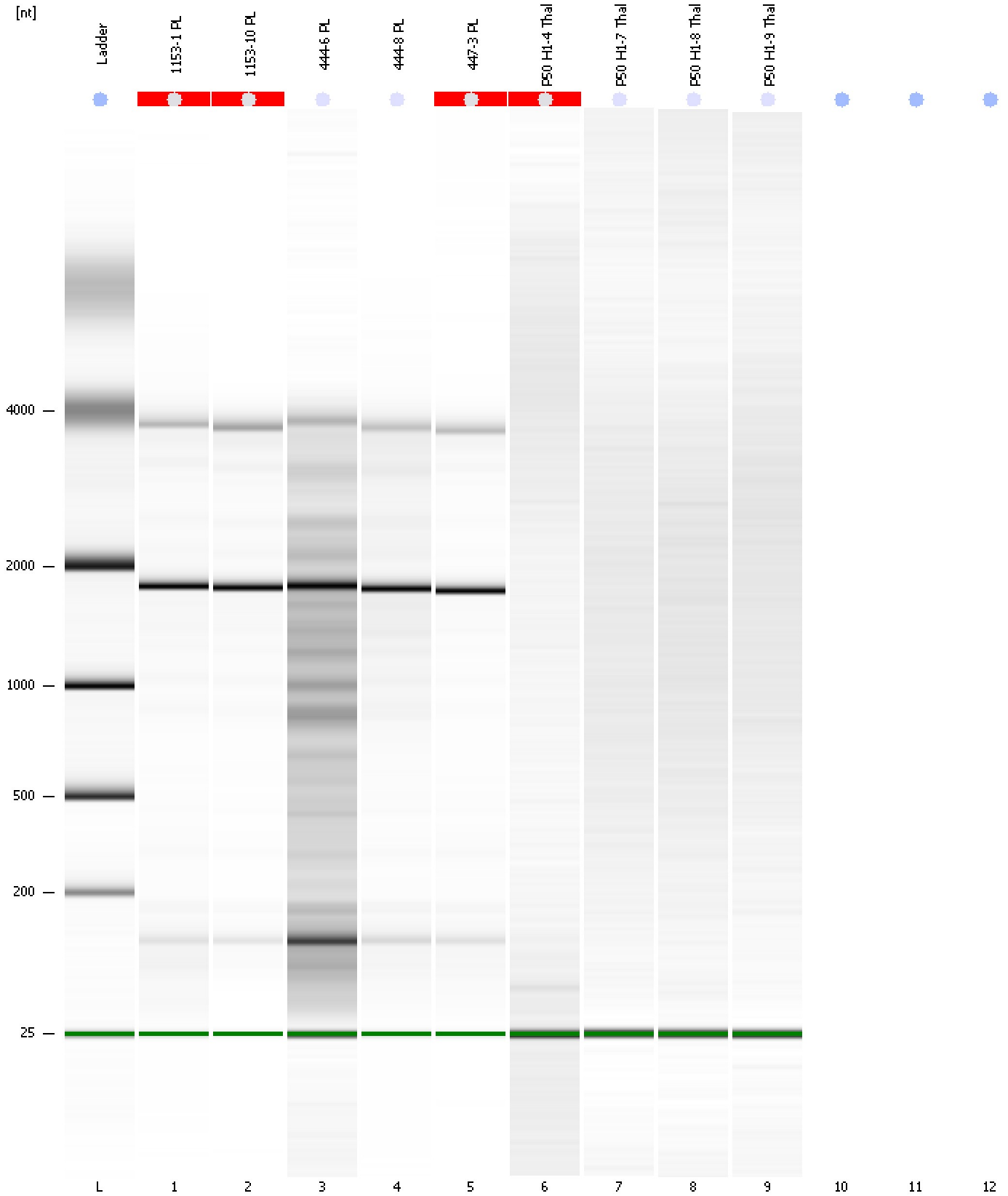
**Overall Results for sample 9 : P50 H1-9 Thal**

RNA Area:	14.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	10 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:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-31\2017-05-31\_002.xad

Created: 5/31/2017 2:29:22 PM  
Modified: 5/31/2017 2:49:10 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.