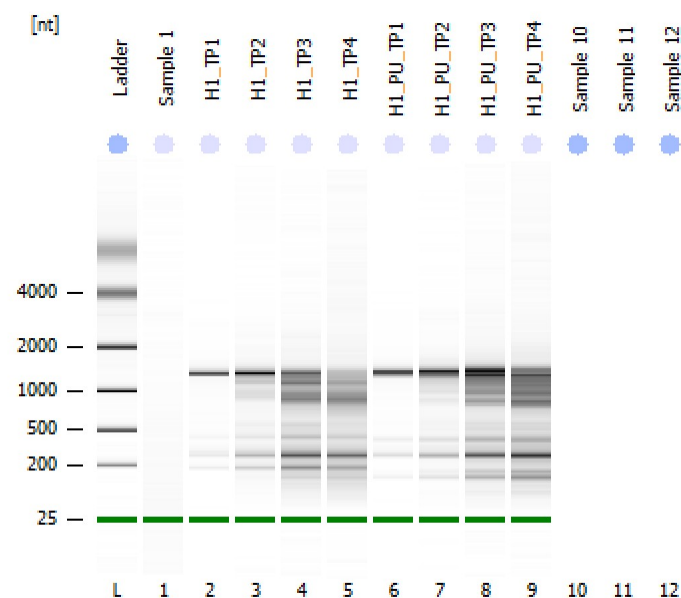


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

### Electrophoresis File Run Summary



#### Instrument Information:

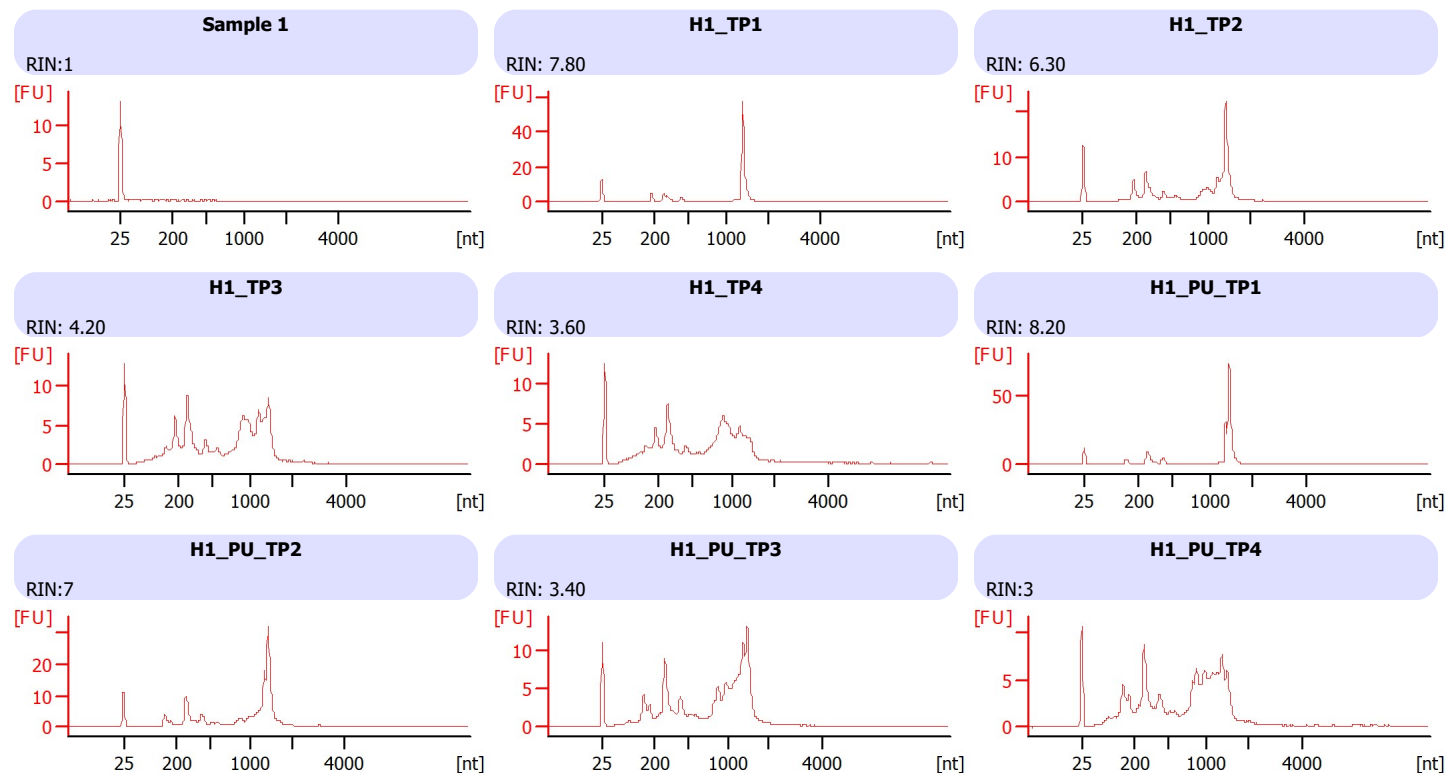
Instrument Name: DE72901420      Firmware: C.01.069  
Serial#: DE72901420      Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)  
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#### Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
H1_TP1		✓ RIN: 7.80	
H1_TP2		✓ RIN: 6.30	
H1_TP3		✓ RIN: 4.20	
H1_TP4		✓ RIN: 3.60	
H1_PU_TP1		✓ RIN: 8.20	
H1_PU_TP2		✓ RIN:7	
H1_PU_TP3		✓ RIN: 3.40	
H1_PU_TP4		✓ RIN:3	
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:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 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

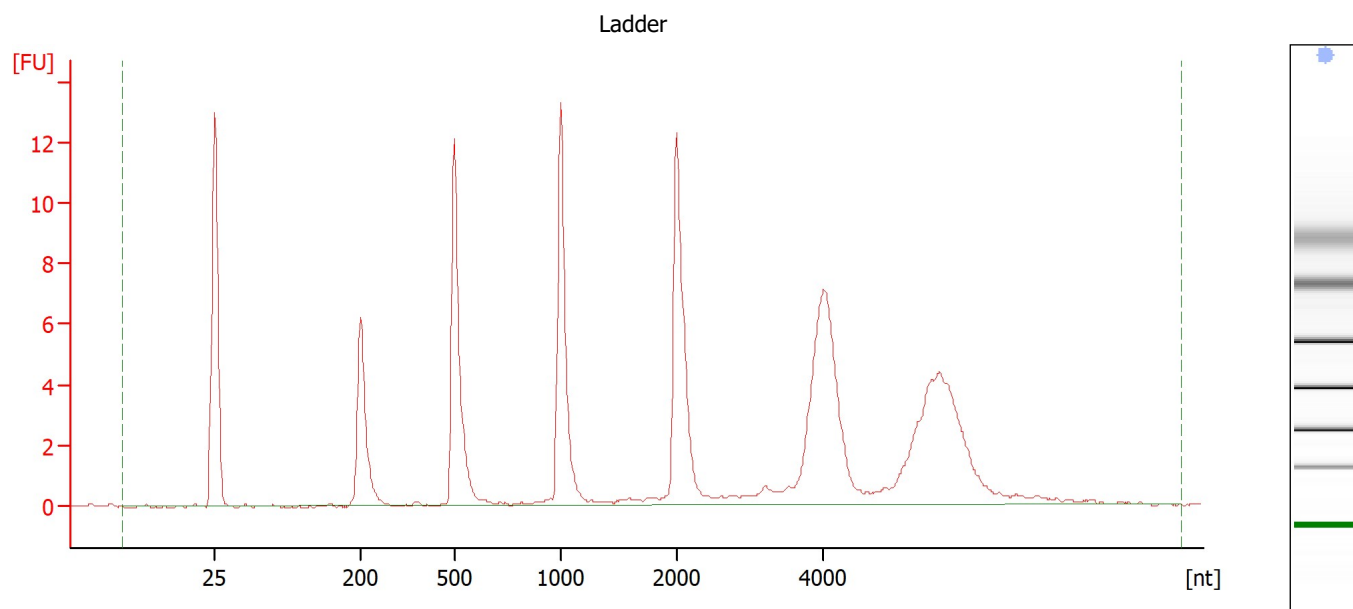
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 98.5

Result Flagging Color:



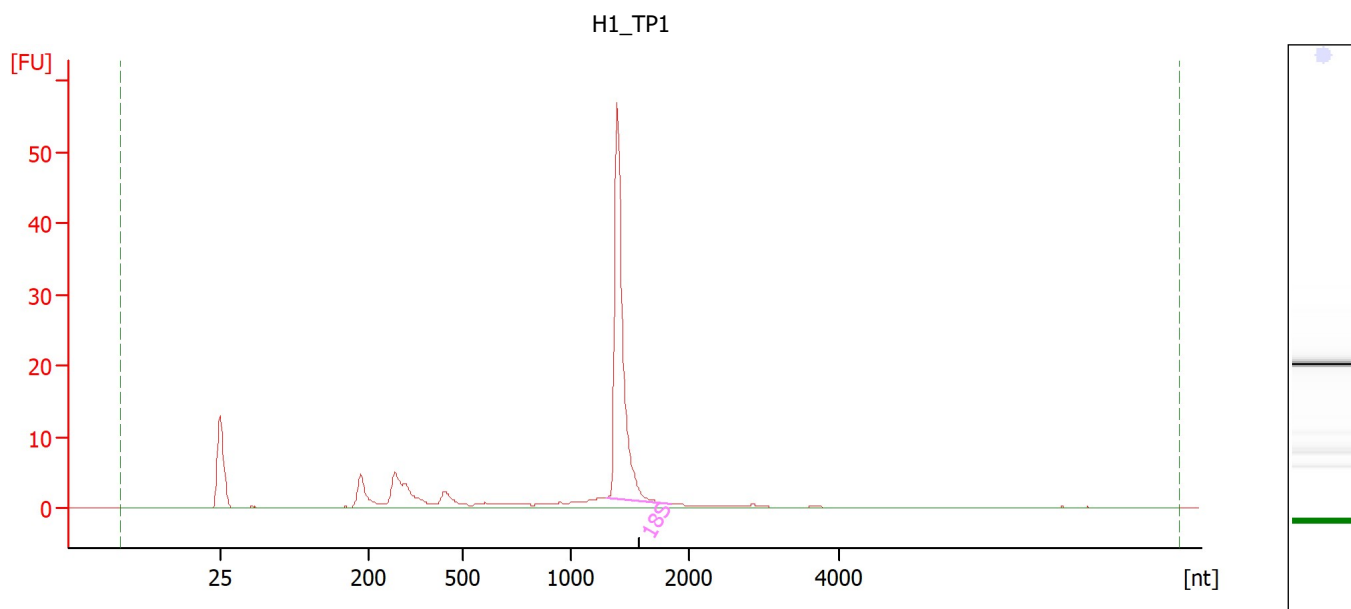
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : H1\_TP1**

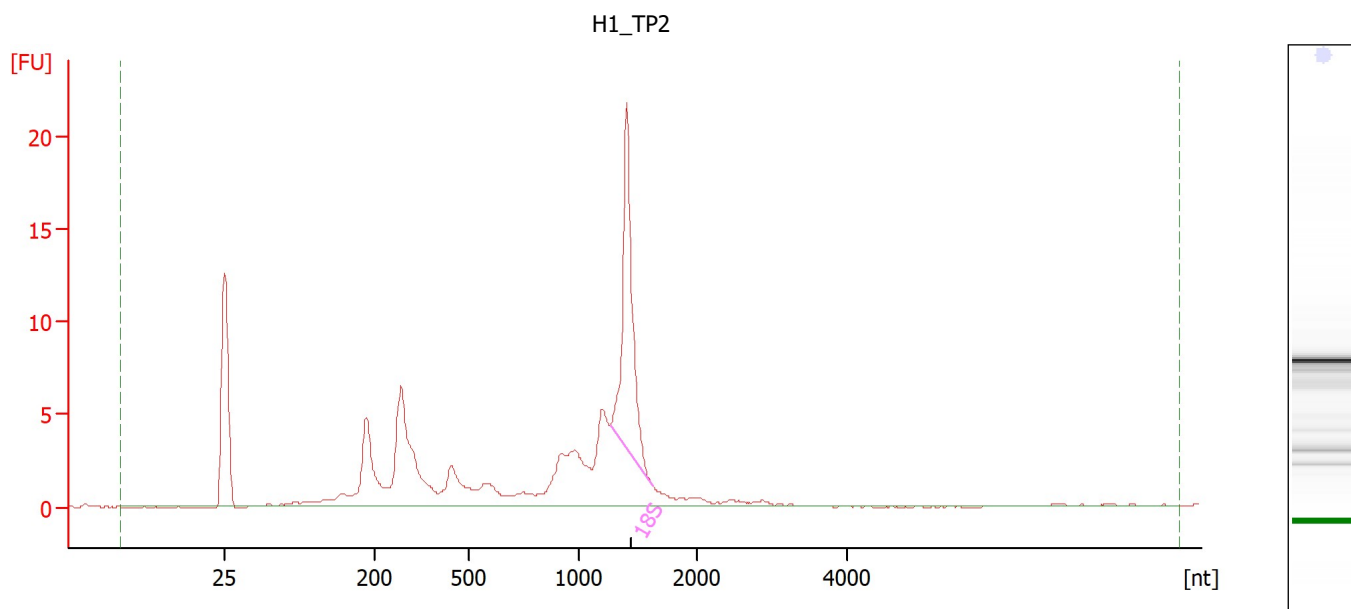
RNA Area:	104.2	RNA Integrity Number (RIN):	7.8 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	159 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.80

**Fragment table for sample 2 : H1\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,303	1,841	55.2	52.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : H1\_TP2**

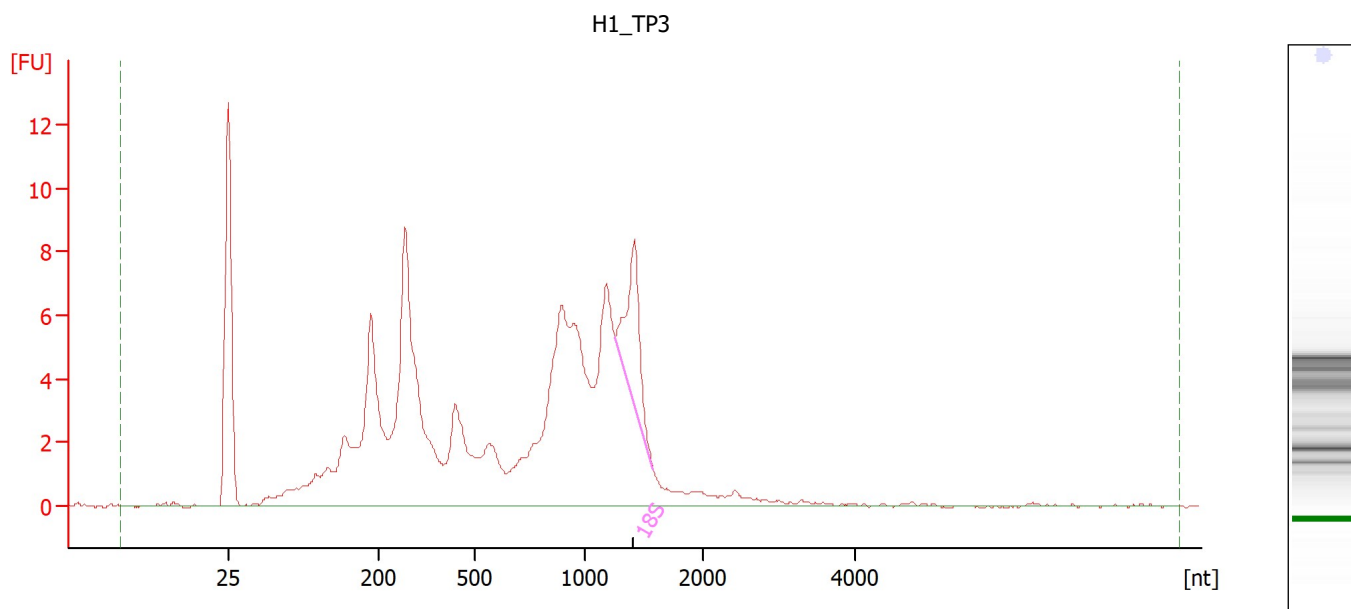
RNA Area:	104.2	RNA Integrity Number (RIN):	6.3 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	159 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.30

**Fragment table for sample 3 : H1\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,267	1,620	22.0	21.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : H1\_TP3**

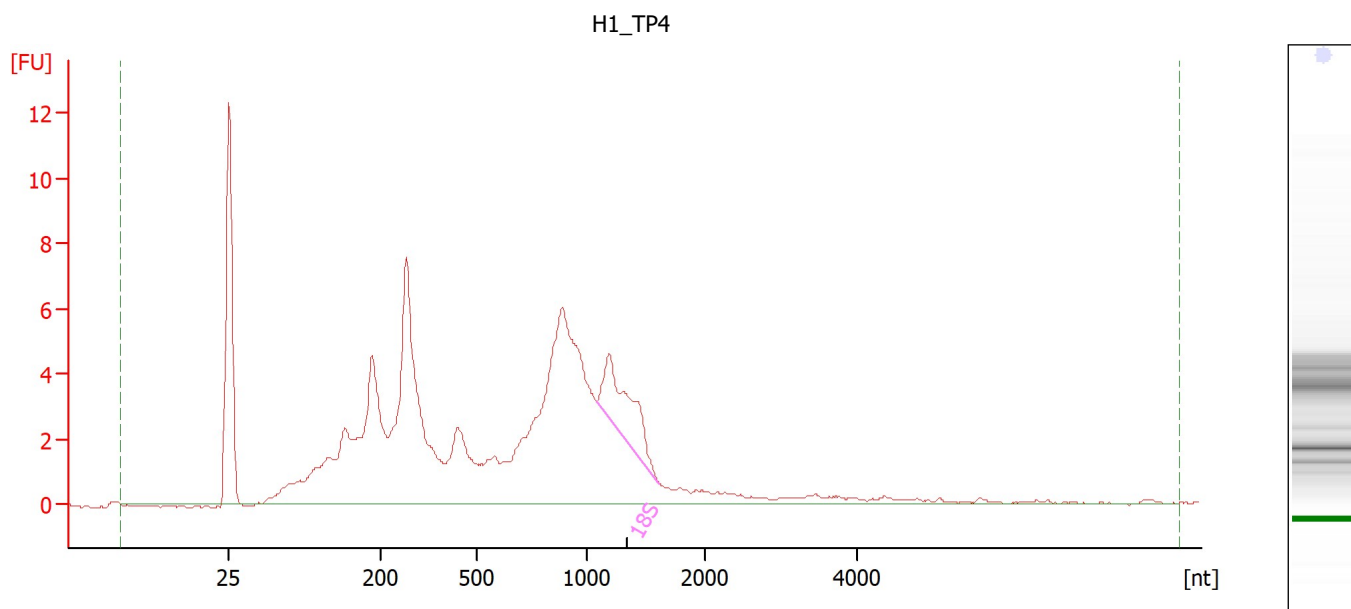
RNA Area:	147.3	RNA Integrity Number (RIN):	4.2 (B.02.11)
RNA Concentration:	224 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.20

**Fragment table for sample 4 : H1\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,265	1,579	7.5	5.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : H1\_TP4**

RNA Area:	129.3	RNA Integrity Number (RIN):	3.6 (B.02.11)
RNA Concentration:	197 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

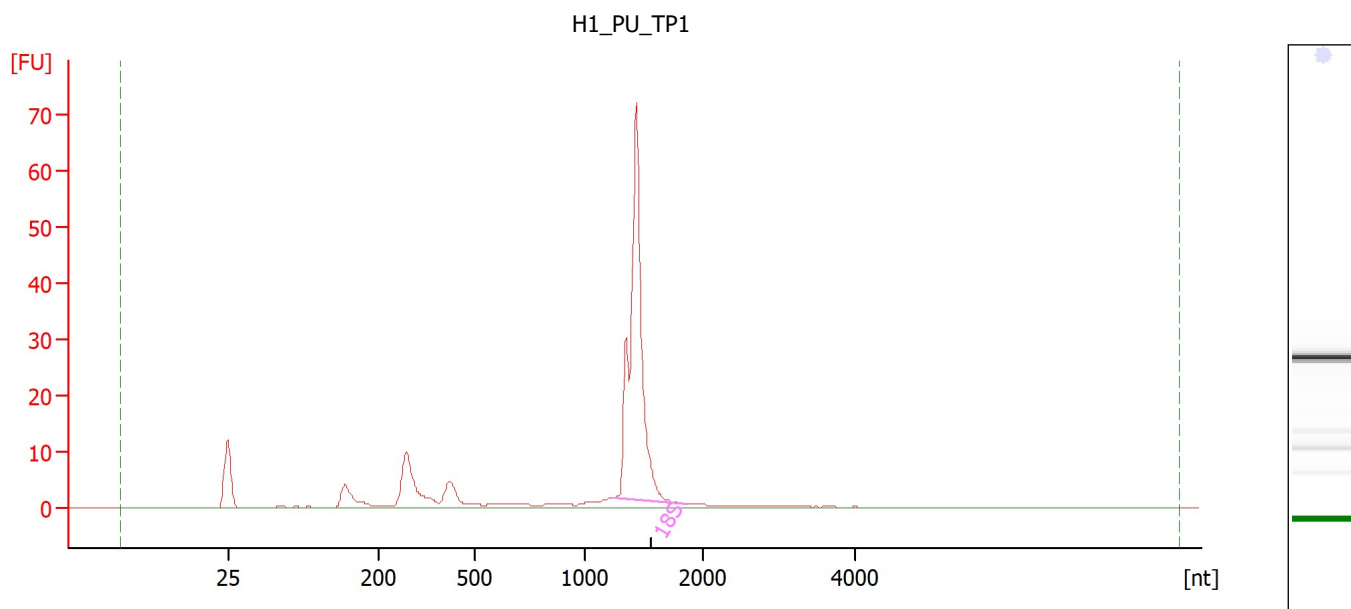
**Fragment table for sample 5 : H1\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,087	1,617	7.3	5.6



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : H1\_PU\_TP1**

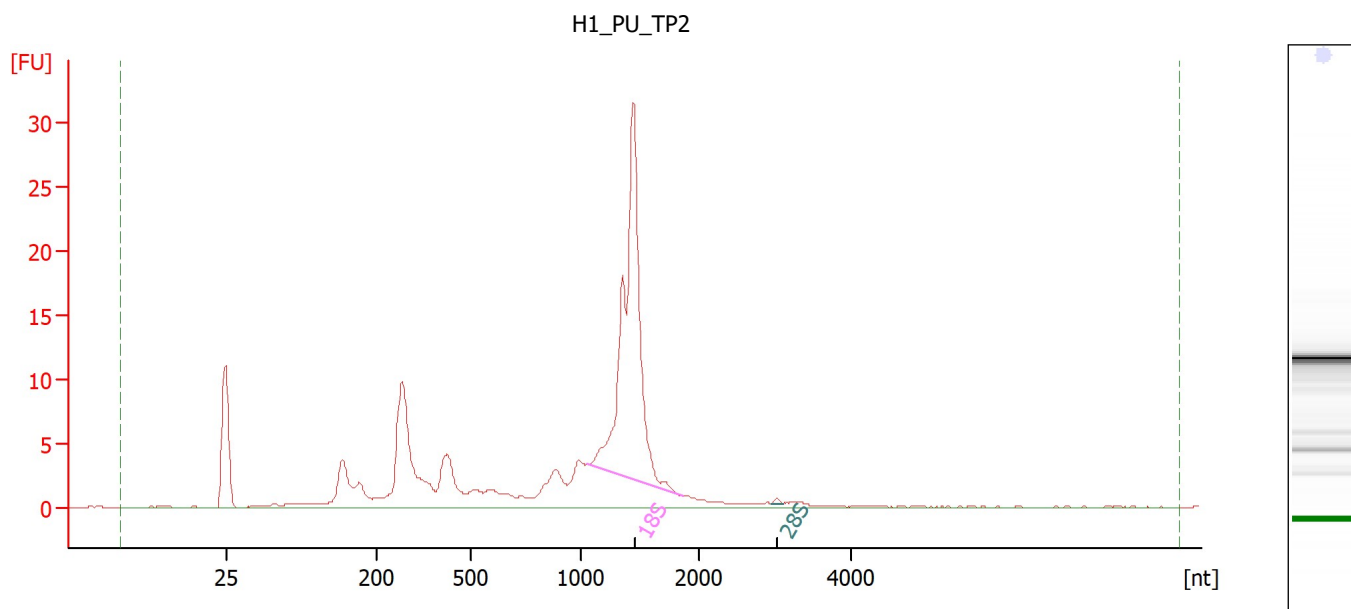
RNA Area:	171.6	RNA Integrity Number (RIN):	8.2 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	261 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.20

**Fragment table for sample 6 : H1\_PU\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,256	1,858	98.8	57.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : H1\_PU\_TP2**

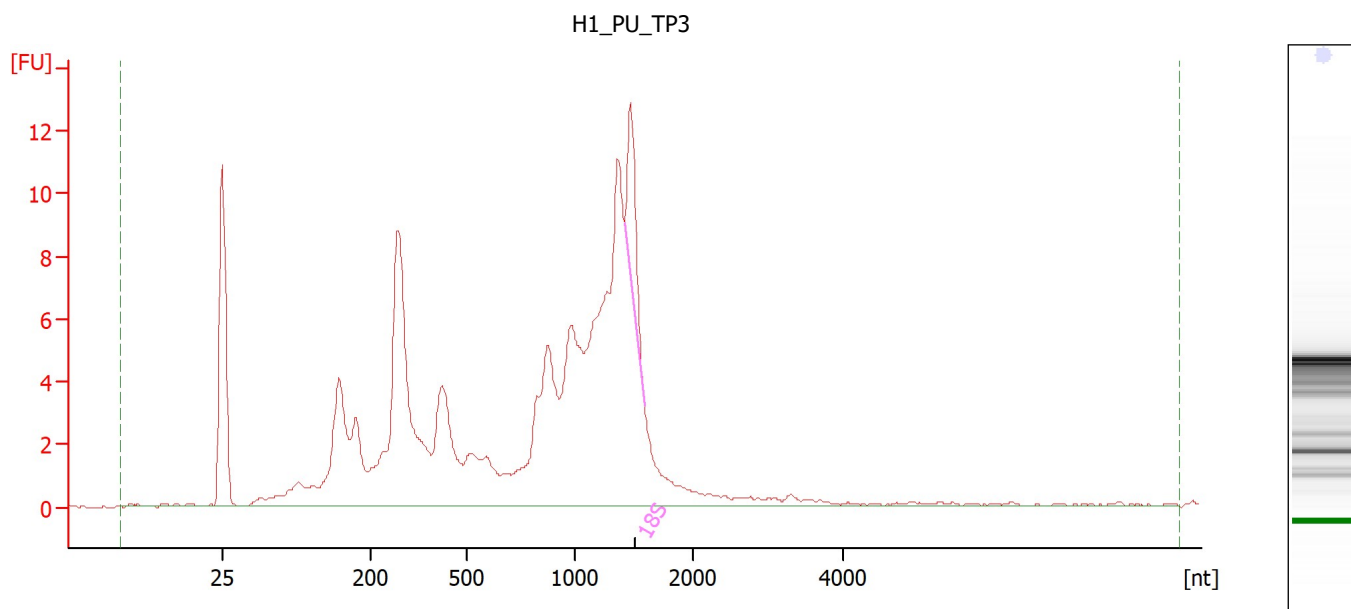
RNA Area:	159.9	RNA Integrity Number (RIN):	7 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	244 ng/μl		
rRNA Ratio [28s / 18s]:	0.0		
		Result Flagging Color:	<div style="background-color: #ccccff; width: 60px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN:7

**Fragment table for sample 7 : H1\_PU\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,052	1,856	58.0	36.2
28S	2,962	3,118	0.2	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : H1\_PU\_TP3**

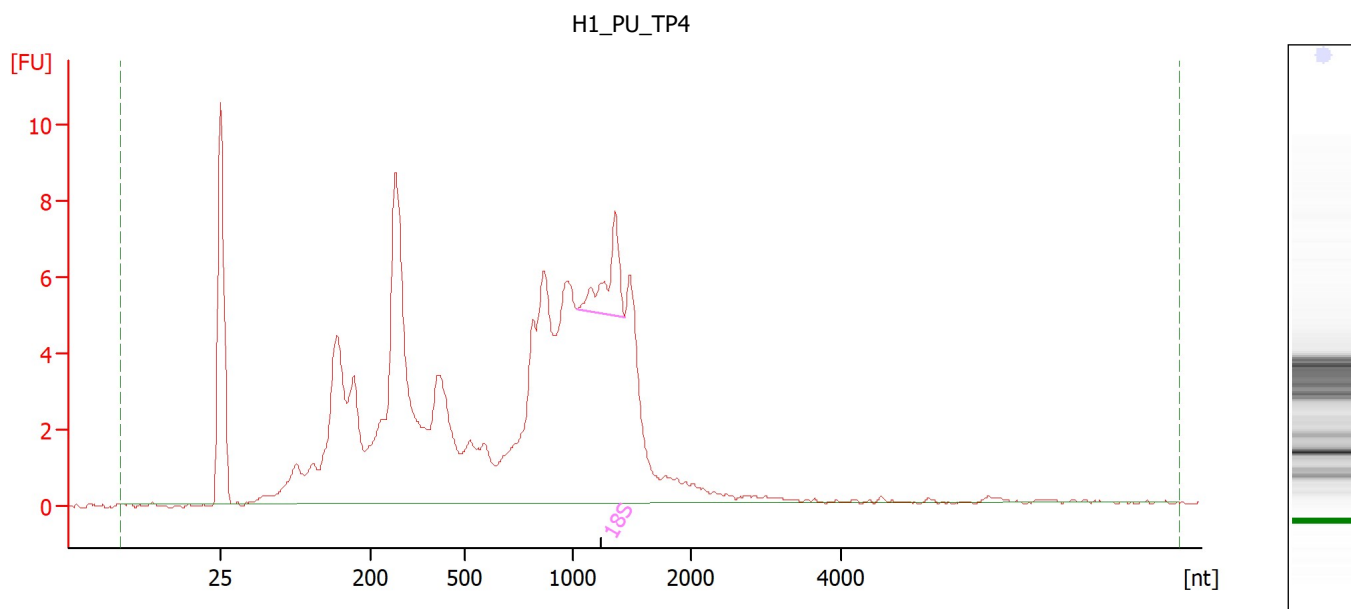
RNA Area:	158.3	RNA Integrity Number (RIN):	3.4 (B.02.11)
RNA Concentration:	241 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.40

**Fragment table for sample 8 : H1\_PU\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,416	1,589	5.5	3.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : H1\_PU\_TP4**

RNA Area:	152.5	RNA Integrity Number (RIN):	3 (B.02.11)
RNA Concentration:	232 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

**Fragment table for sample 9 : H1\_PU\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,032	1,433	4.1	2.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano\_2020-11-24\_11-55-27.xad

Created: 11/24/2020 11:55:26 AM  
Modified: 11/24/2020 12:56:38 PM

**Gel Image**