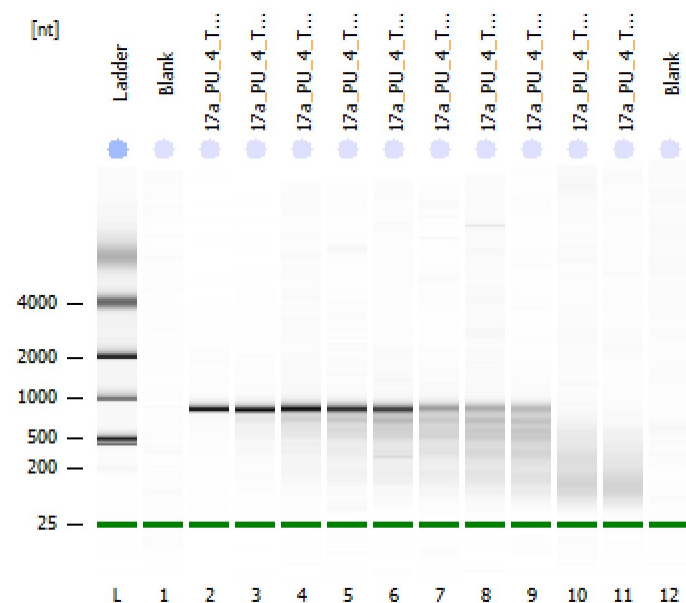


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE72901302  
Serial#: DE72901302

Firmware: C.01.069  
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)

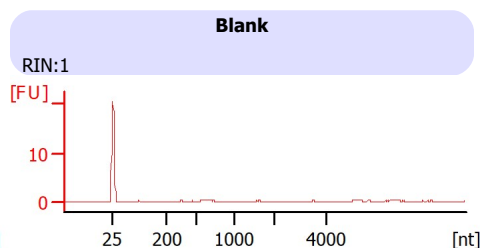
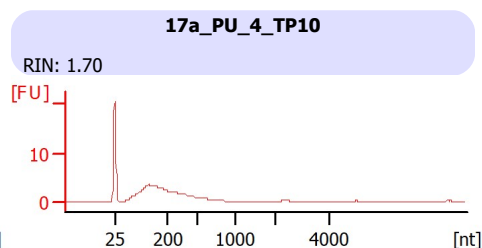
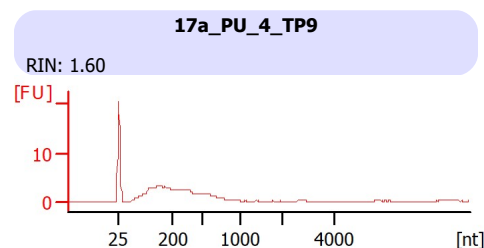
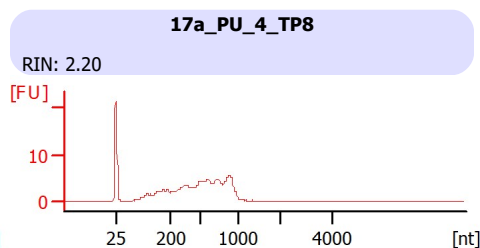
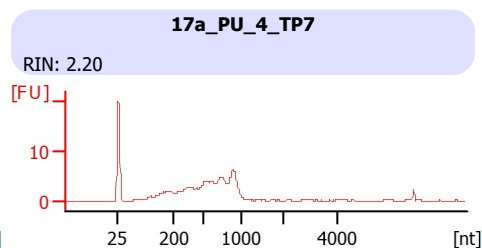
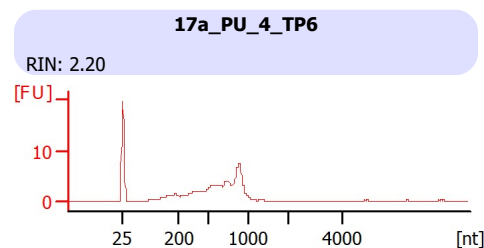
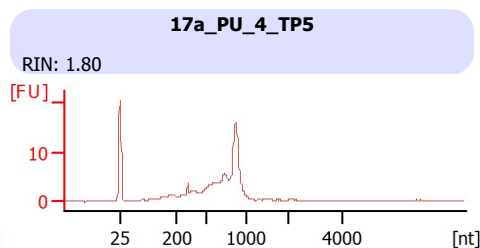
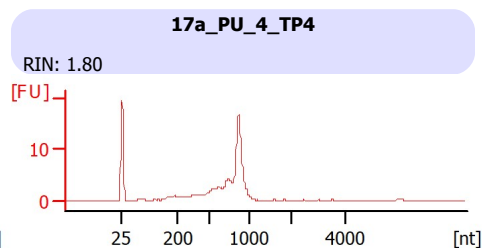
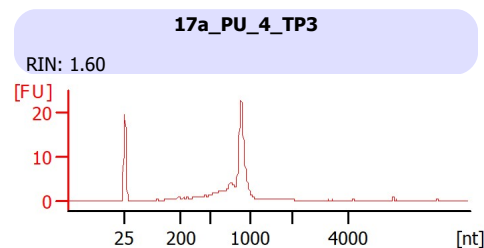
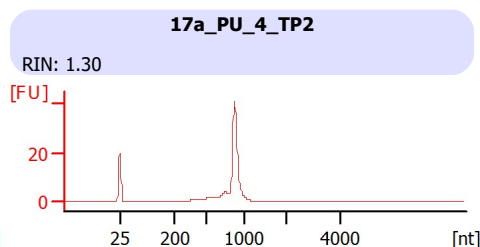
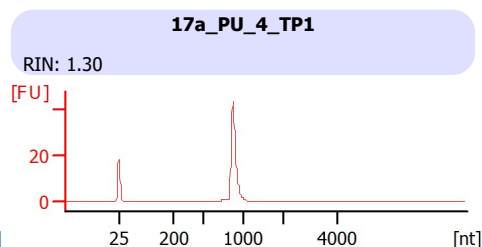
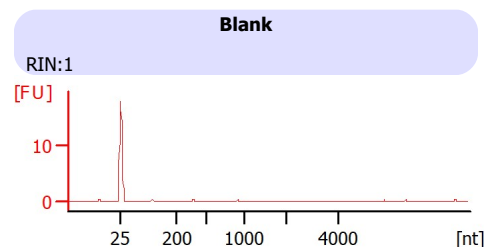
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_4_TP1		✓ RIN: 1.30	
17a_PU_4_TP2		✓ RIN: 1.30	
17a_PU_4_TP3		✓ RIN: 1.60	
17a_PU_4_TP4		✓ RIN: 1.80	
17a_PU_4_TP5		✓ RIN: 1.80	
17a_PU_4_TP6		✓ RIN: 2.20	
17a_PU_4_TP7		✓ RIN: 2.20	
17a_PU_4_TP8		✓ RIN: 2.20	
17a_PU_4_TP9		✓ RIN: 1.60	
17a_PU_4_TP10		✓ RIN: 1.70	
Blank		✓ RIN:1	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 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

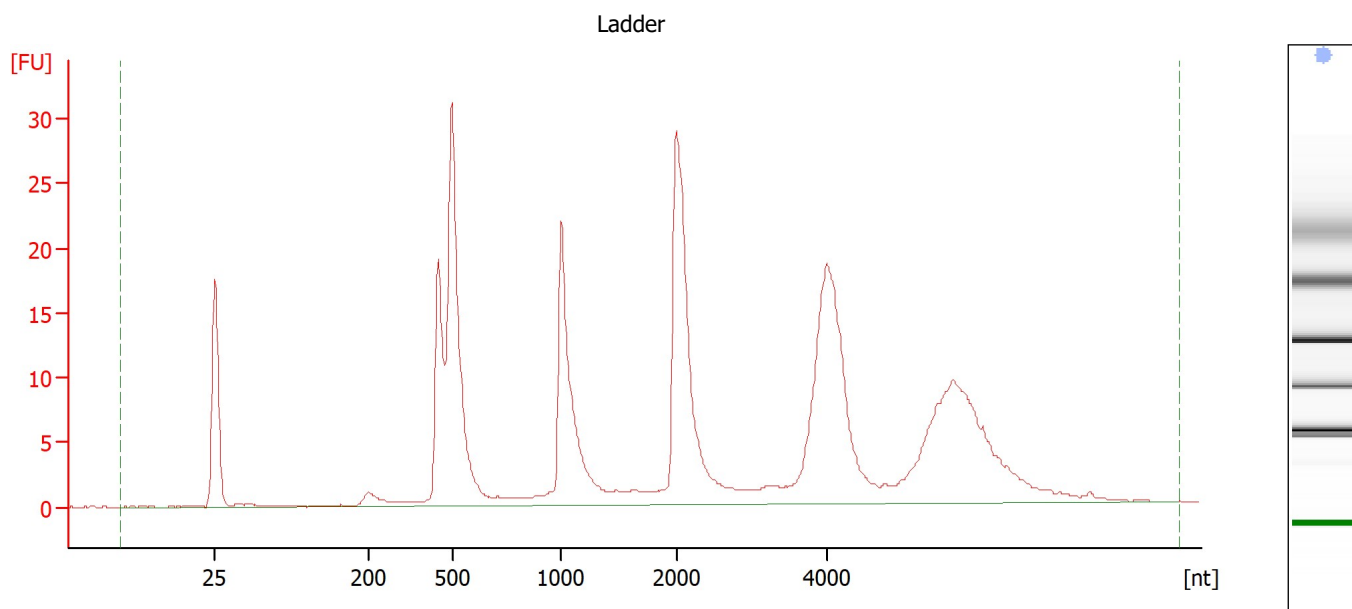
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 312.1

Result Flagging Color:



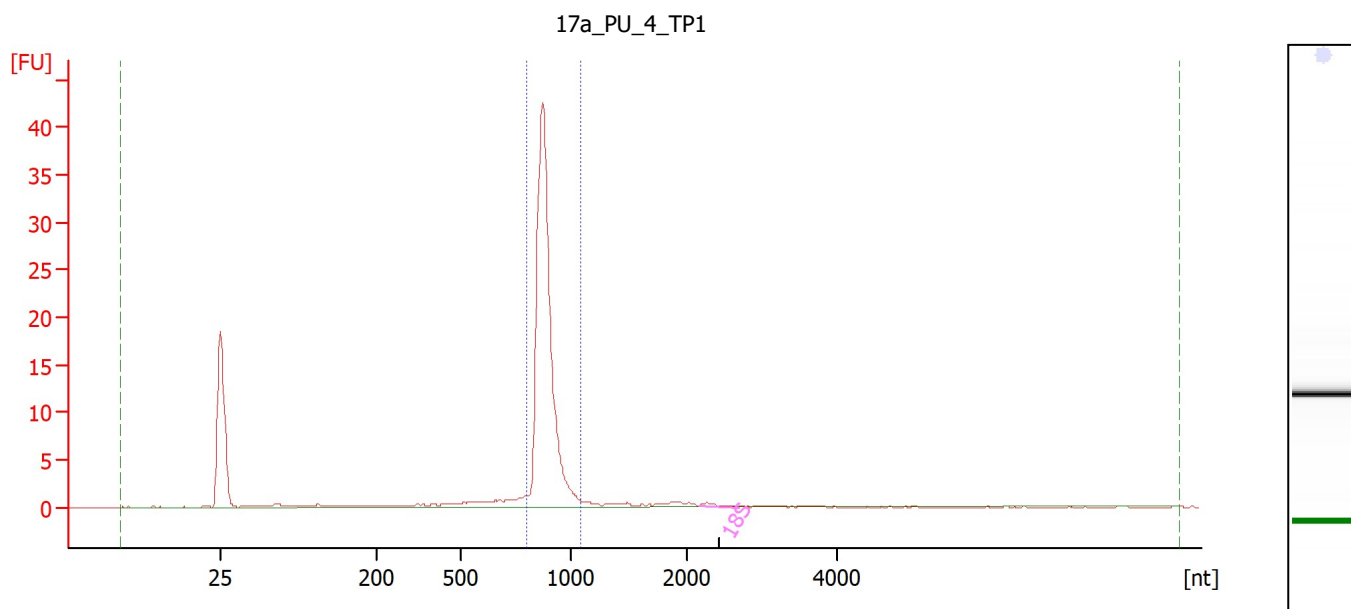
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 17a PU 4 TP1**

RNA Area:	96.4	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	80.3
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 2 : 17a PU 4 TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,148	2,685	0.4	0.4

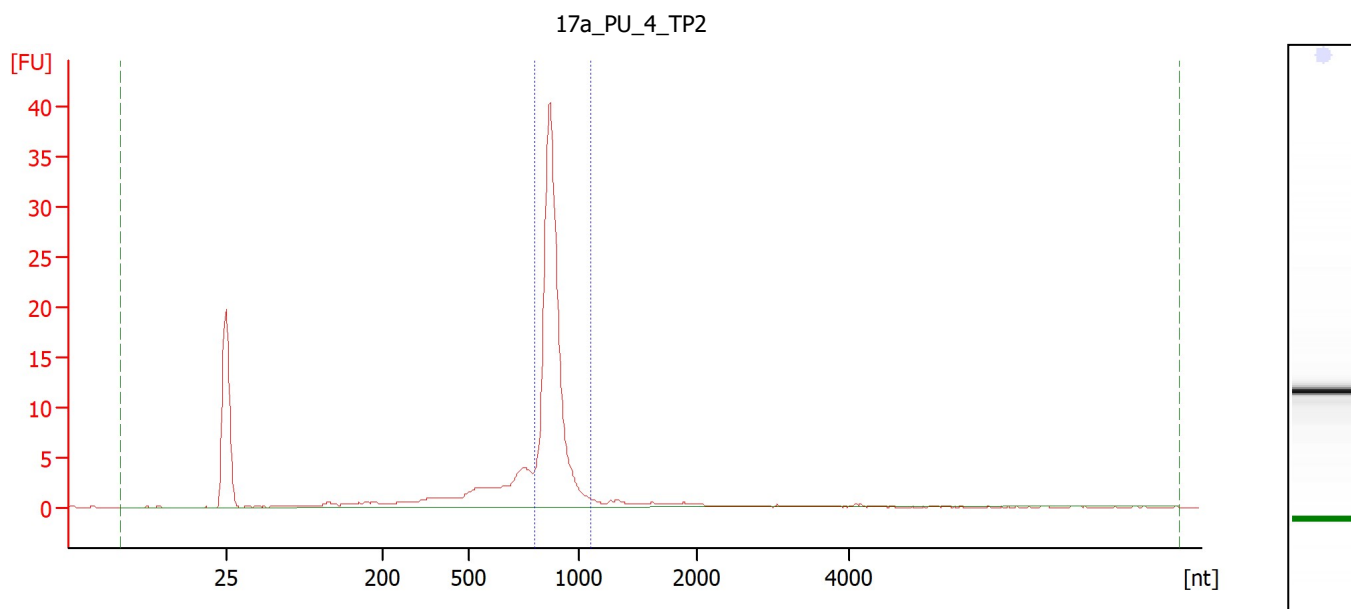
**Region table for sample 2 : 17a PU 4 TP1**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	80.3	83	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 3 : 17a PU 4 TP2

RNA Area:	122.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	59 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	82.2
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

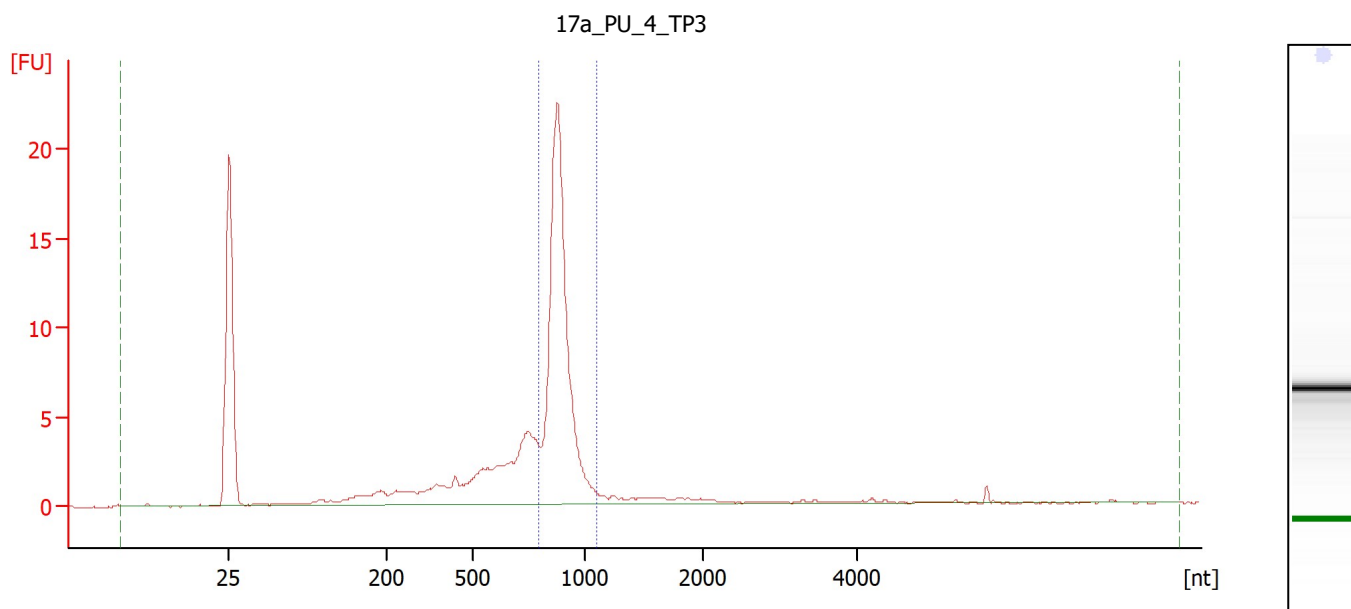
### Region table for sample 3 : 17a PU 4 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	82.2	67	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 4 : 17a PU 4 TP3

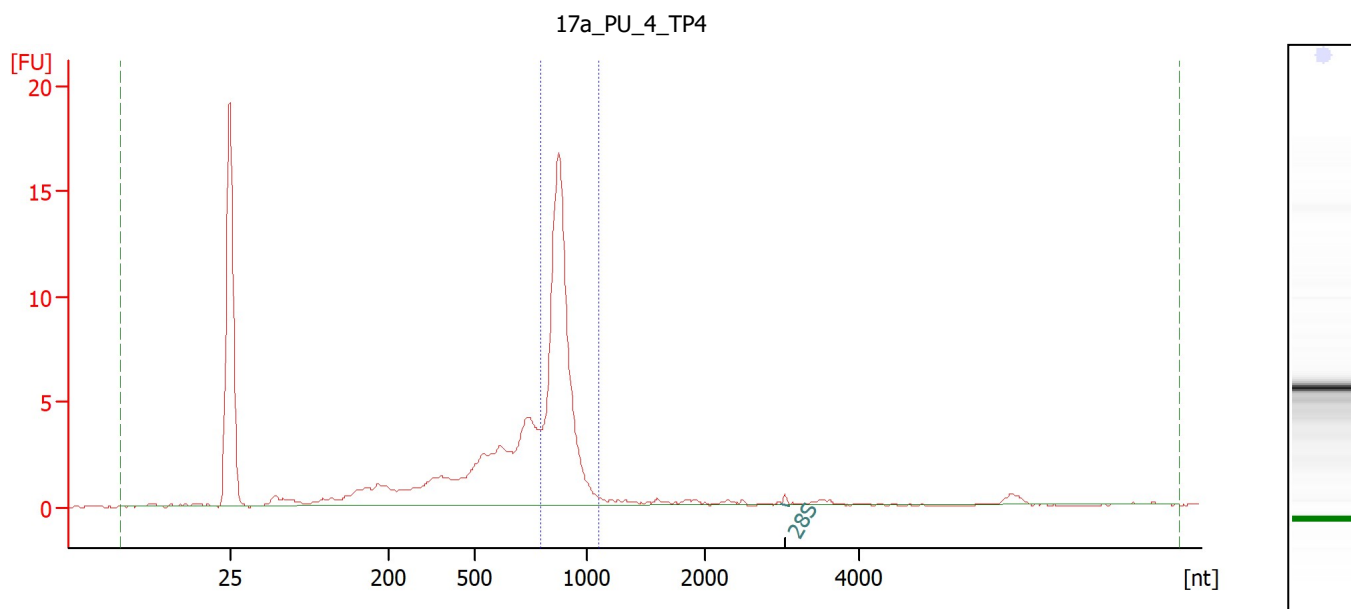
RNA Area:	95.8	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	51.8
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 4 : 17a PU 4 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	51.8	54	<span style="background-color: #0000ff; display: inline-block; width: 15px; height: 10px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 17a PU 4 TP4**

RNA Area:	91.7	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	41.3
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 5 : 17a PU 4 TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,990	3,101	0.2	0.2

**Region table for sample 5 : 17a PU 4 TP4**

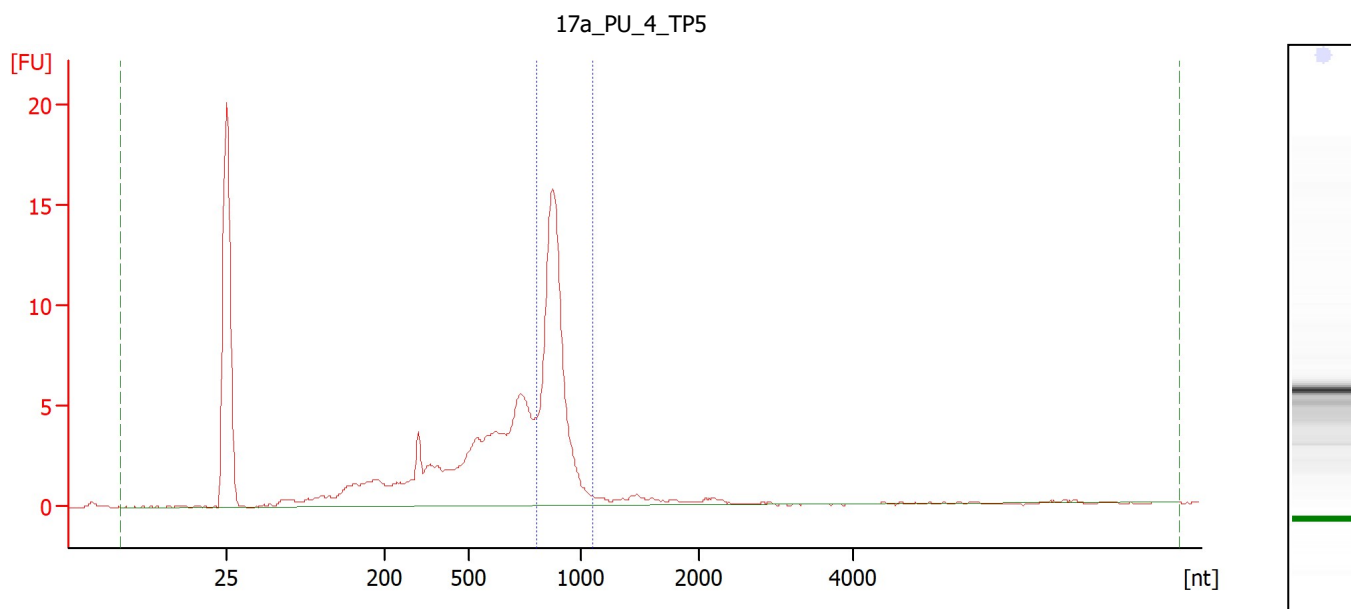
Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	41.3	45	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 6 : 17a PU 4 TP5

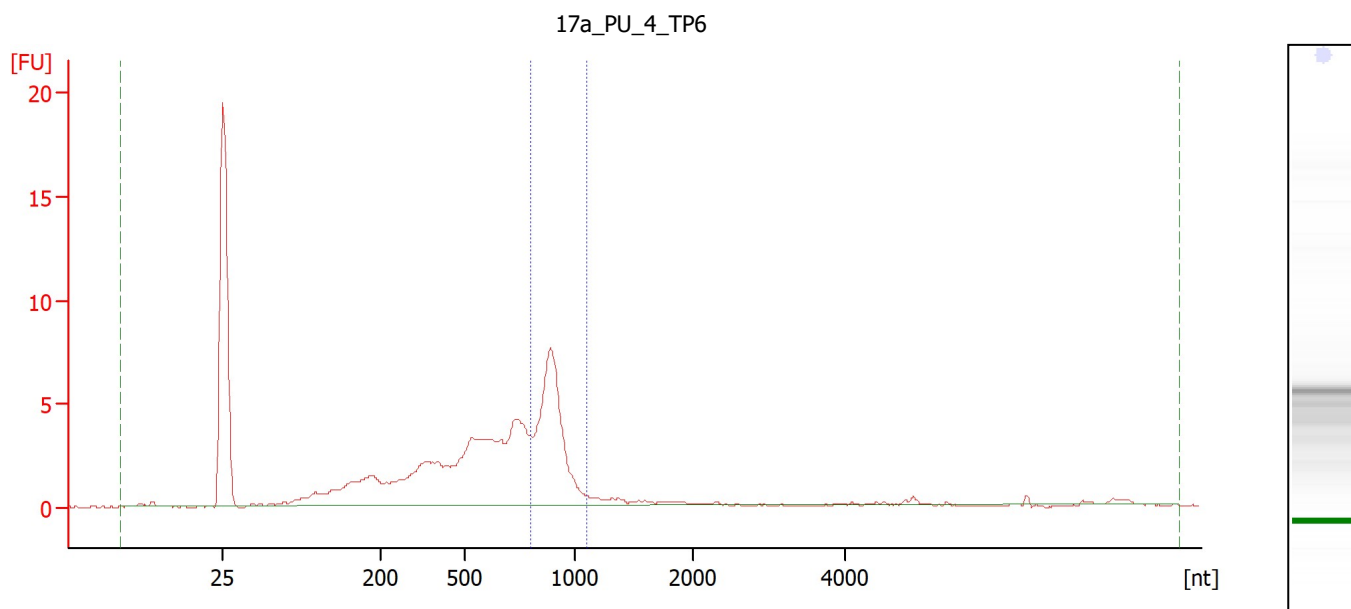
RNA Area:	109.1	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	52 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.6
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 6 : 17a PU 4 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.6	37	<span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : 17a PU 4 TP6**

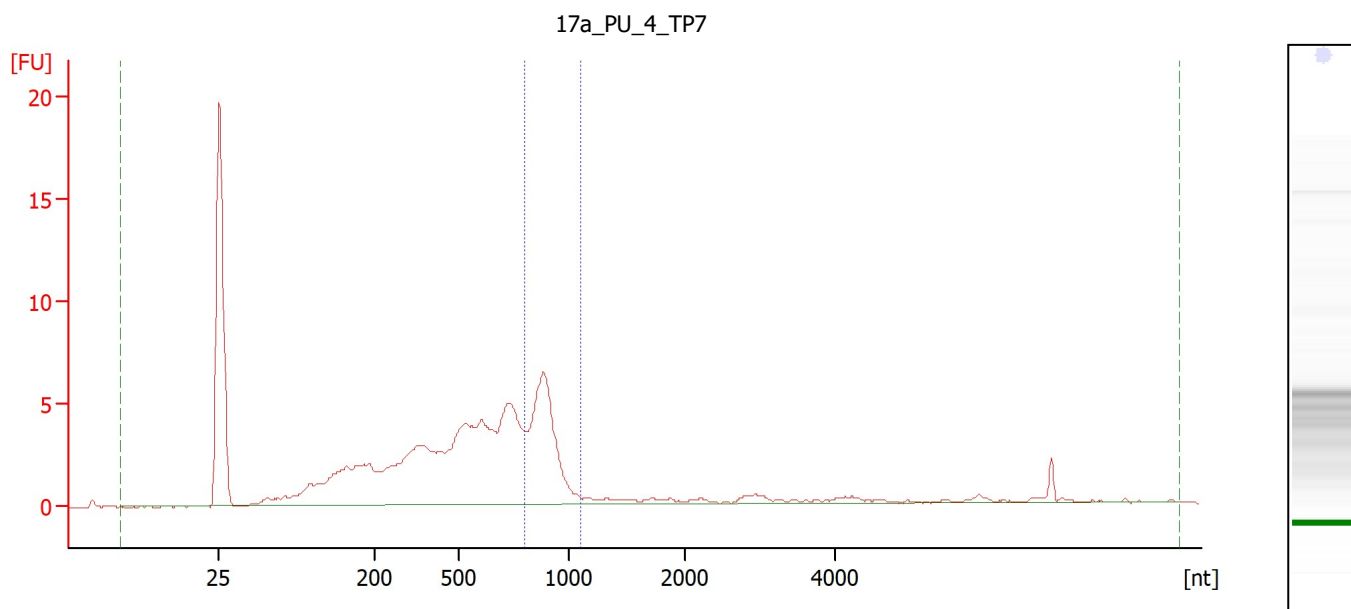
RNA Area:	89.8	Result Flagging Color:	<div></div>
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	24.1
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 7 : 17a PU 4 TP6**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	24.1	27	<div></div>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 17a PU 4 TP7**

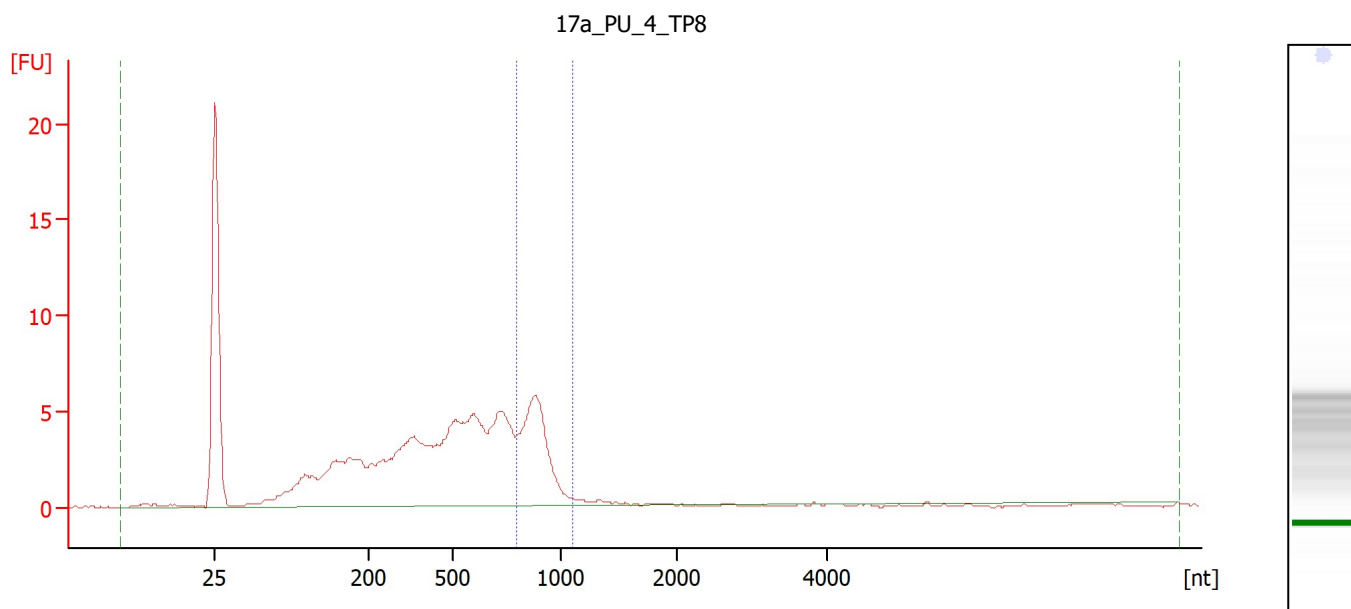
RNA Area:	111.8	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	54 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	21.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		


**Region table for sample 8 : 17a PU 4 TP7**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	21.8	19	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : 17a PU 4 TP8**

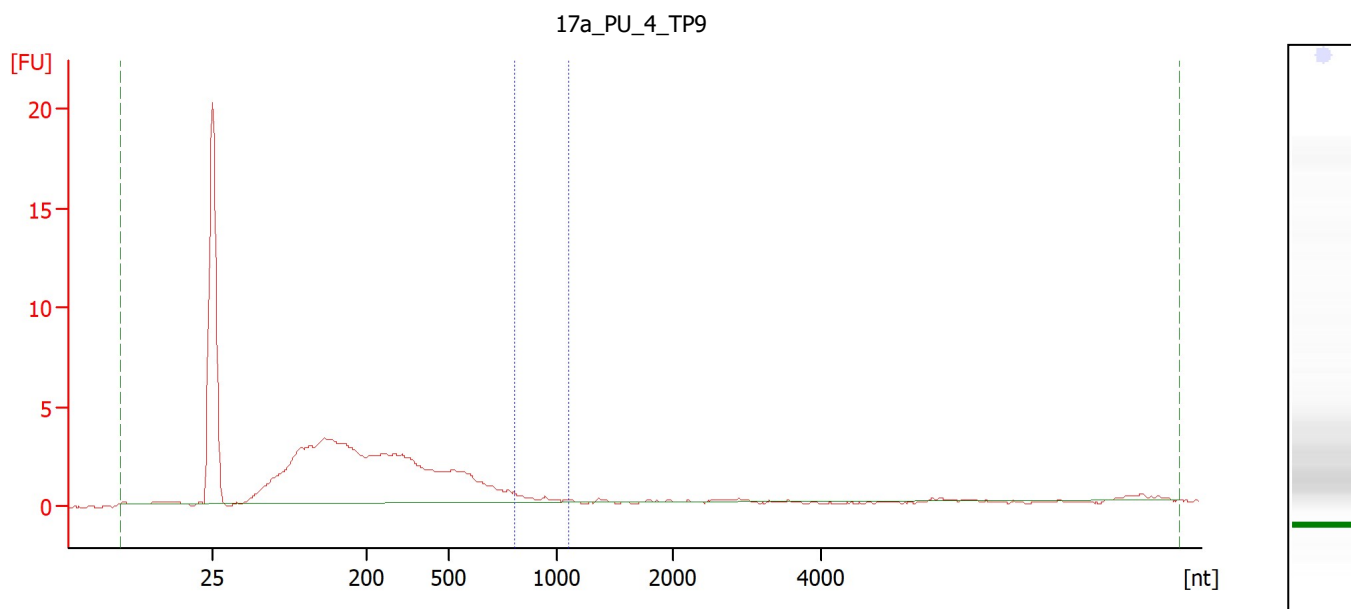
RNA Area:	122.9	Result Flagging Color:	
RNA Concentration:	59 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	20.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 9 : 17a PU 4 TP8**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	20.8	17	

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
 Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : 17a PU 4 TP9**

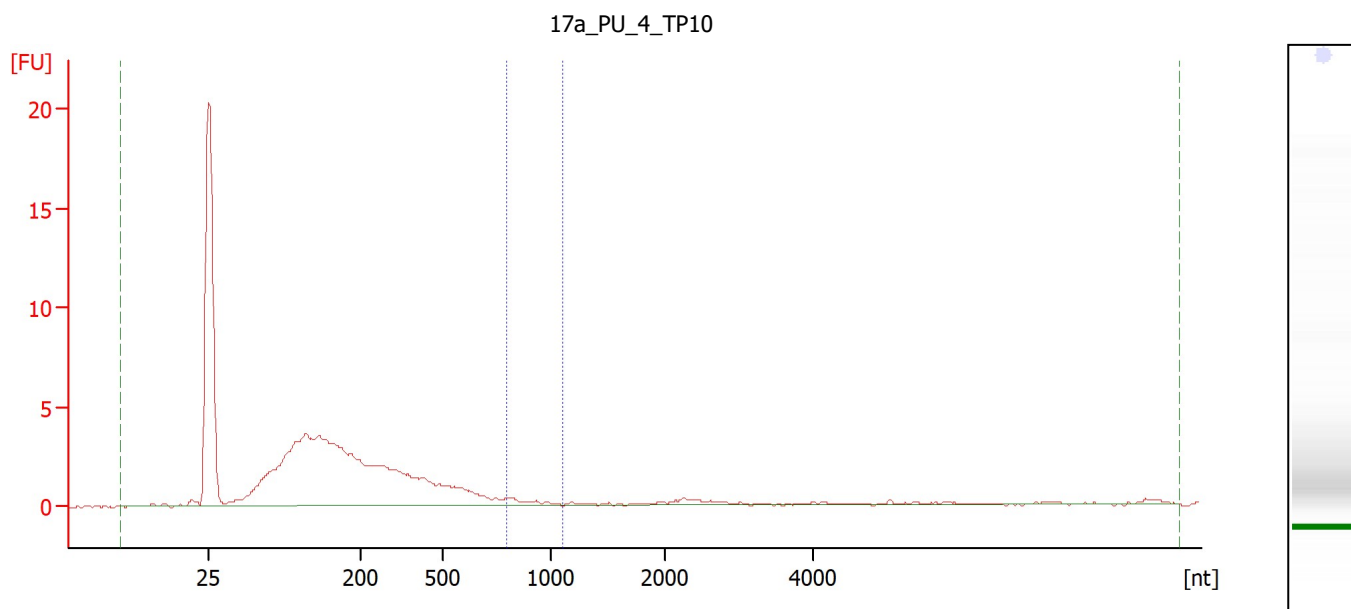
RNA Area:	78.8	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.3
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 10 : 17a PU 4 TP9**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.3	2	<span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : 17a PU 4 TP10**

RNA Area:	77.8	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.1
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 11 : 17a PU 4 TP10**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.1	1	

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano\_2020-12-10\_08-43-35.xad

Created: 12/10/2020 8:43:35 AM  
Modified: 12/10/2020 2:58:54 PM

**Gel Image**