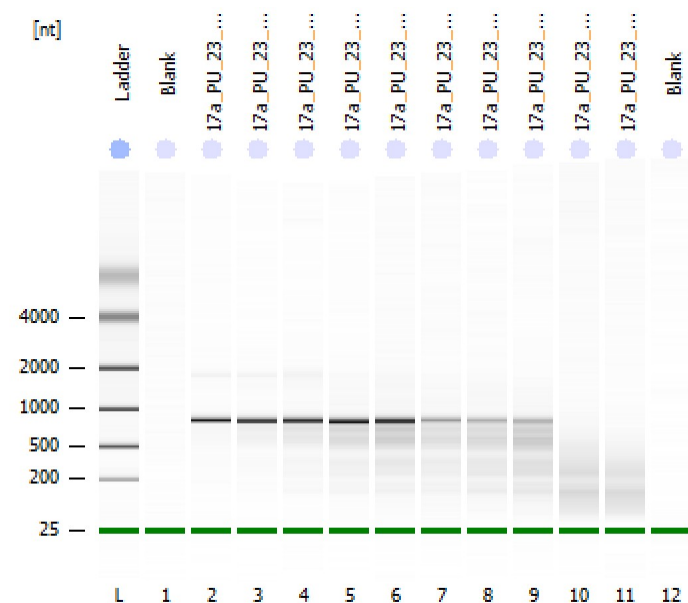


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

**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)

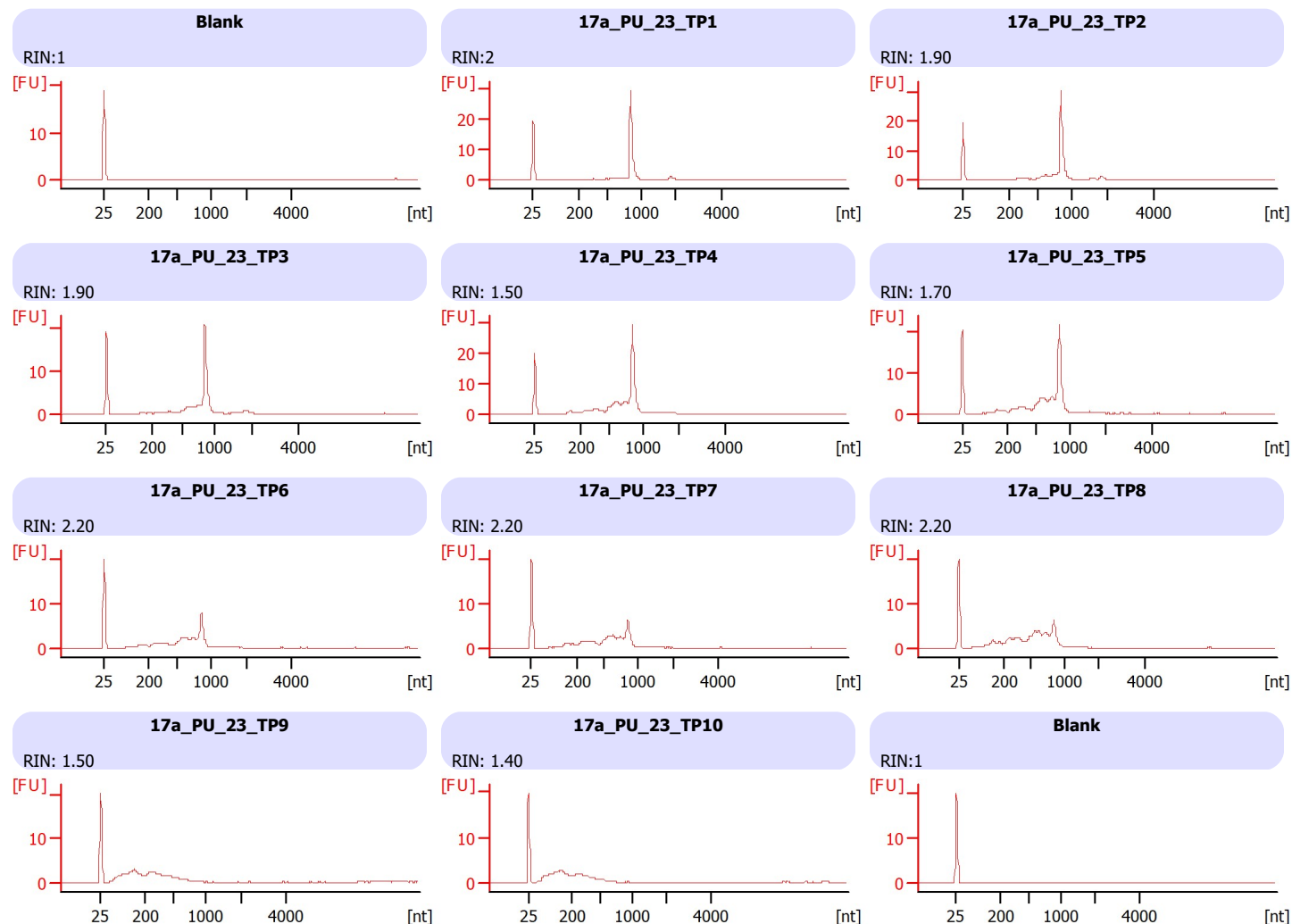
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_23_TP1		✓ RIN:2	
17a_PU_23_TP2		✓ RIN: 1.90	
17a_PU_23_TP3		✓ RIN: 1.90	
17a_PU_23_TP4		✓ RIN: 1.50	
17a_PU_23_TP5		✓ RIN: 1.70	
17a_PU_23_TP6		✓ RIN: 2.20	
17a_PU_23_TP7		✓ RIN: 2.20	
17a_PU_23_TP8		✓ RIN: 2.20	
17a_PU_23_TP9		✓ RIN: 1.50	
17a_PU_23_TP10		✓ RIN: 1.40	
Blank		✓ RIN:1	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

## 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 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

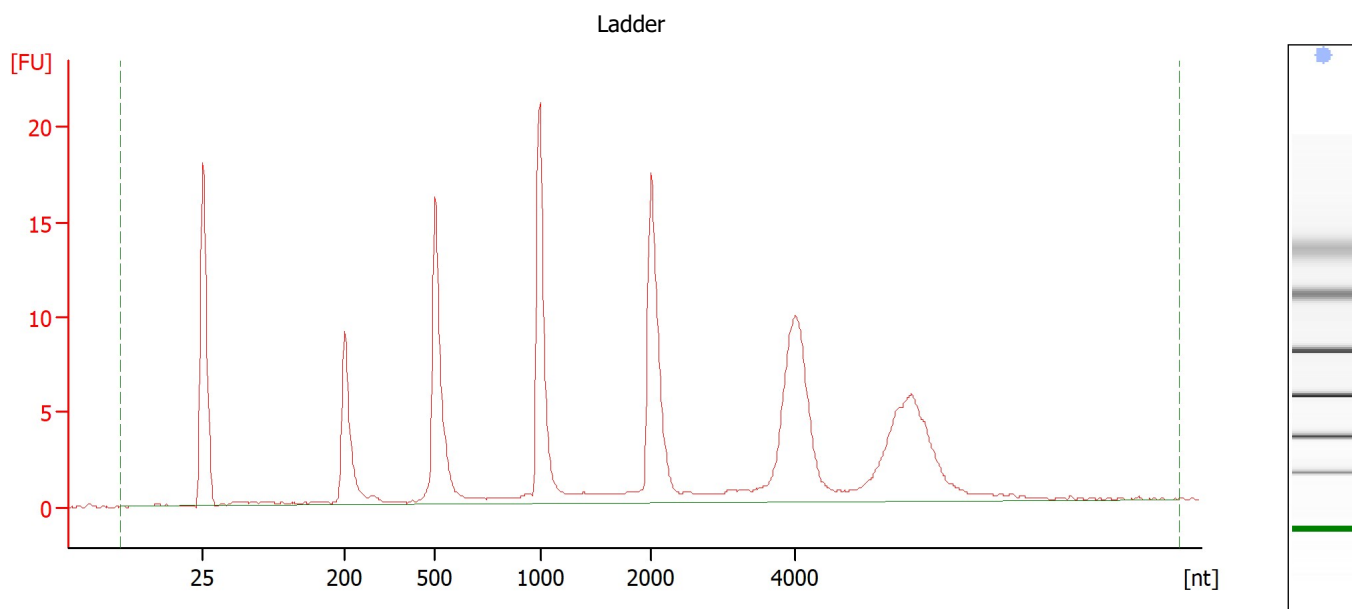
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 153.4

Result Flagging Color:



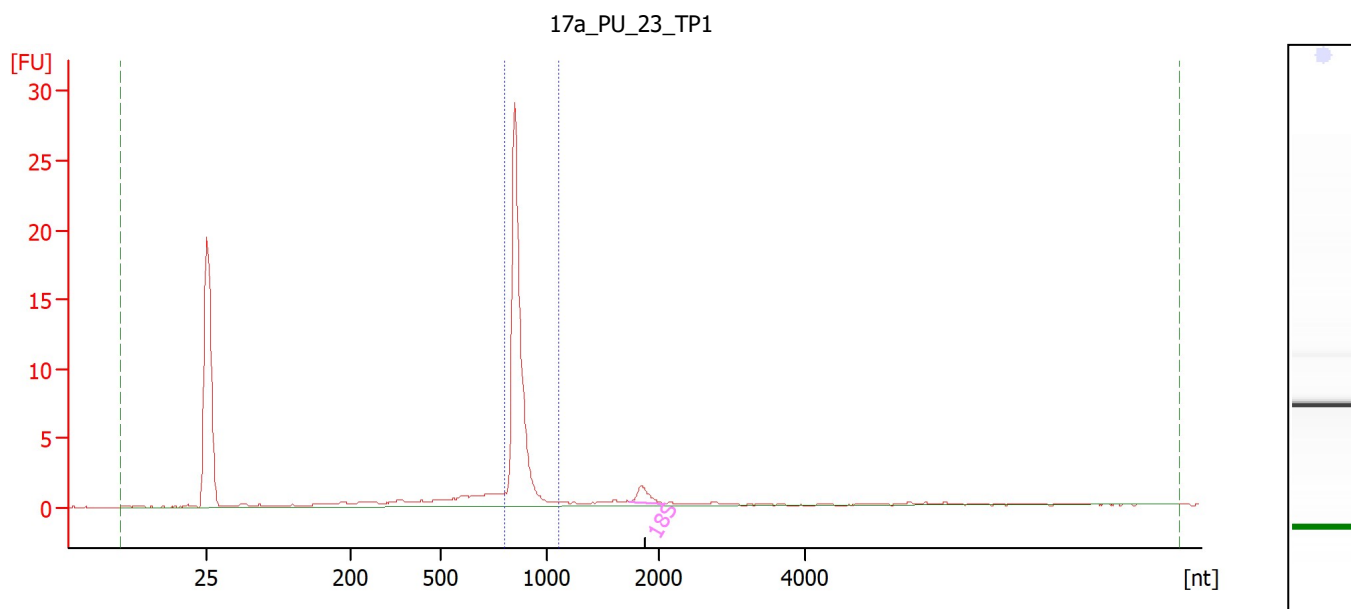
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 17a PU 23 TP1**

RNA Area:	59.2	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	58 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	37.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 2 : 17a PU 23 TP1**

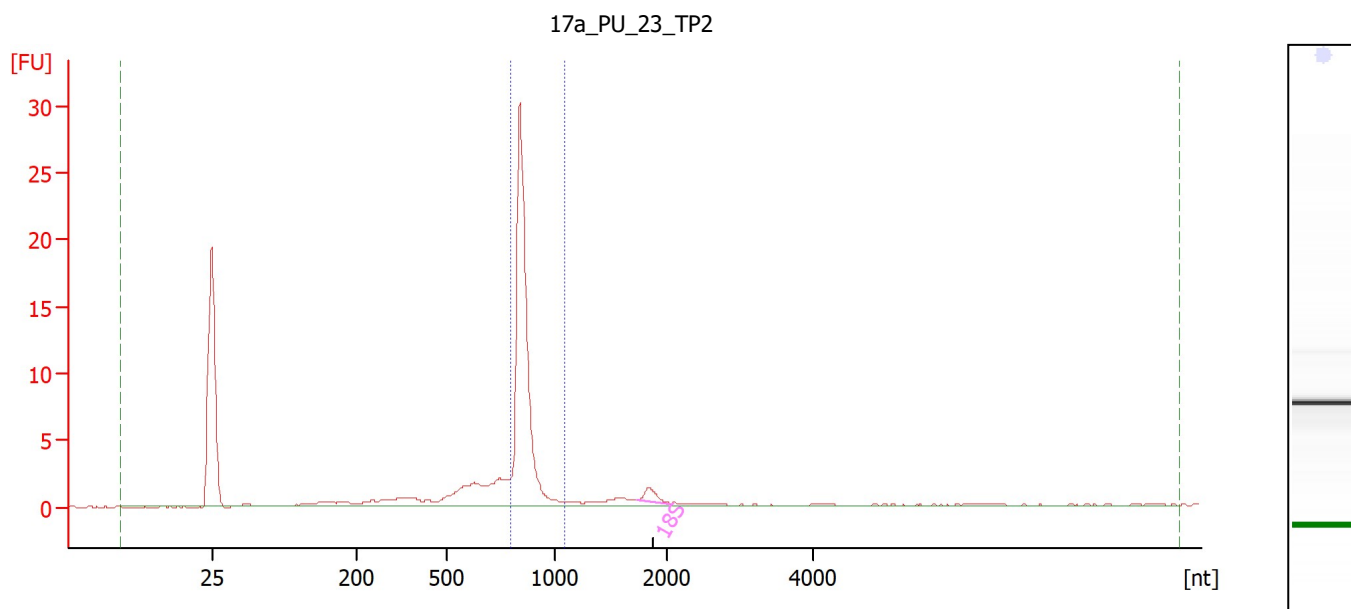
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,050	1.6	2.7

**Region table for sample 2 : 17a PU 23 TP1**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	37.9	64	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : 17a PU 23 TP2**

RNA Area:	71.4	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	70 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	42.4
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Fragment table for sample 3 : 17a PU 23 TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,026	1.4	2.0

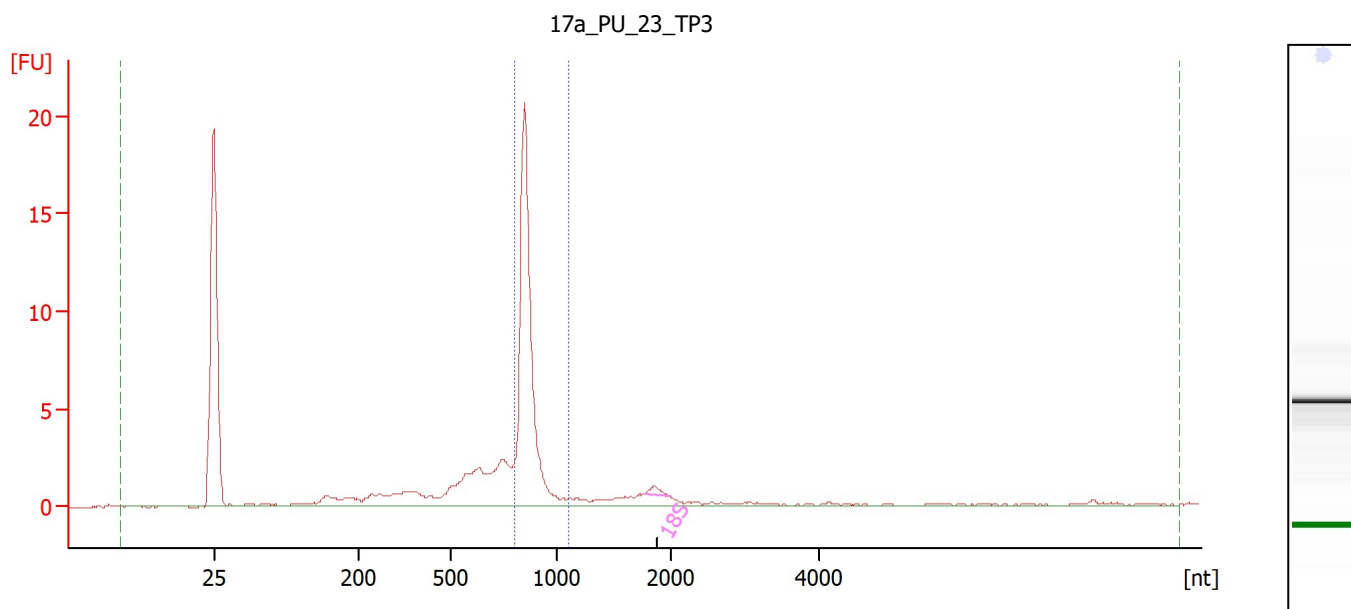
**Region table for sample 3 : 17a PU 23 TP2**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	42.4	59	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 4 : 17a PU 23 TP3

RNA Area:	63.7	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	62 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	31.0
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Fragment table for sample 4 : 17a PU 23 TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,774	1,972	0.5	0.8

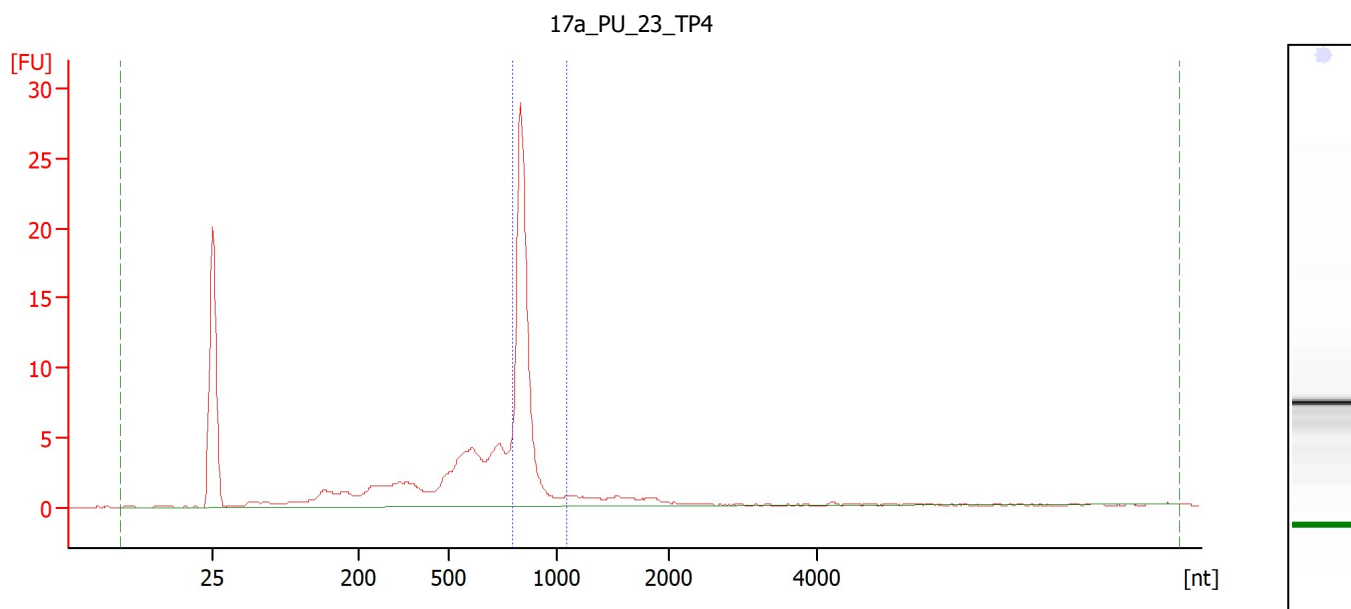
### Region table for sample 4 : 17a PU 23 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	31.0	49	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 5 : 17a PU 23 TP4

RNA Area:	115.4	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	113 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.8
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 5 : 17a PU 23 TP4

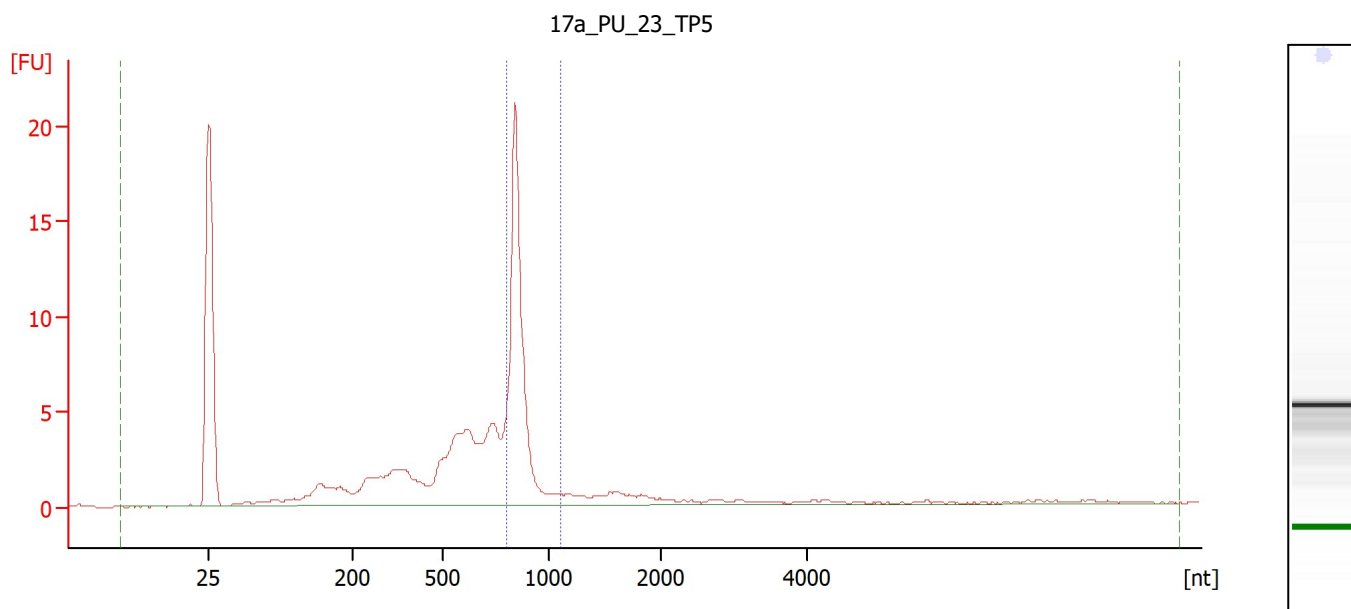
Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	45.8	40	<span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></span>



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 6 : 17a PU 23 TP5

RNA Area:	100.0	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	98 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.9
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

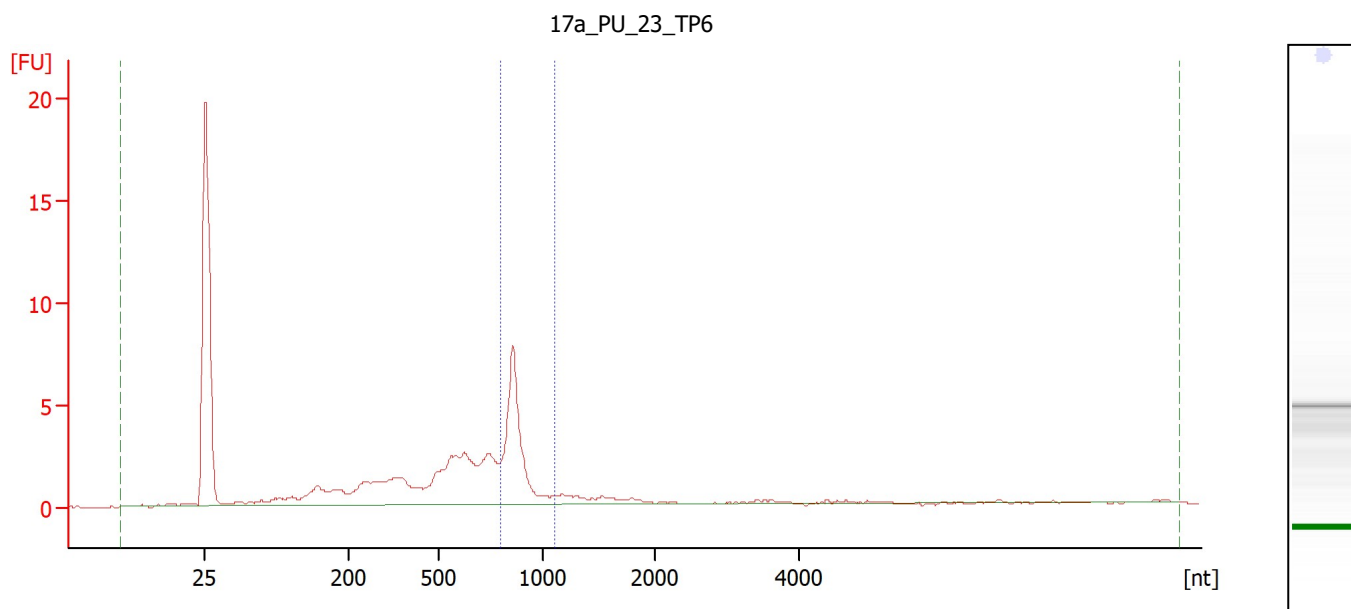
### Region table for sample 6 : 17a PU 23 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	34.9	35	<span style="background-color: #0000ff; display: inline-block; width: 15px; height: 10px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 7 : 17a PU 23 TP6

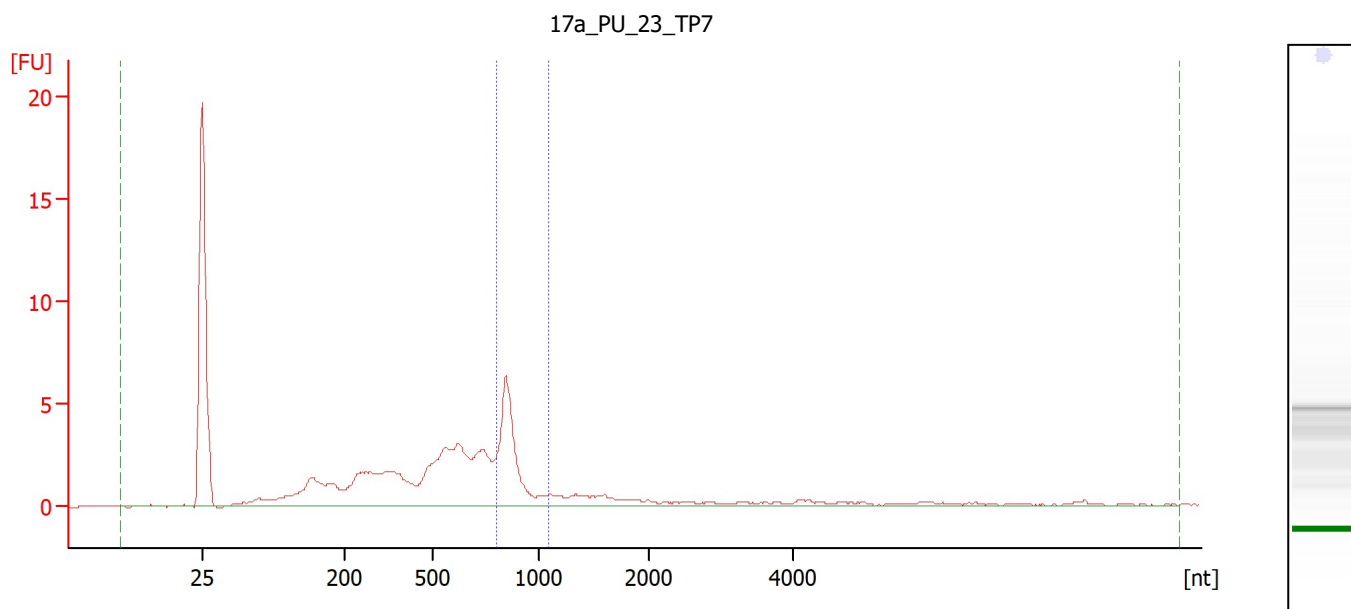
RNA Area:	60.9	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	60 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.3
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		


### Region table for sample 7 : 17a PU 23 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	15.3	25	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 17a PU 23 TP7**

RNA Area:	75.2	Result Flagging Color:	
RNA Concentration:	74 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

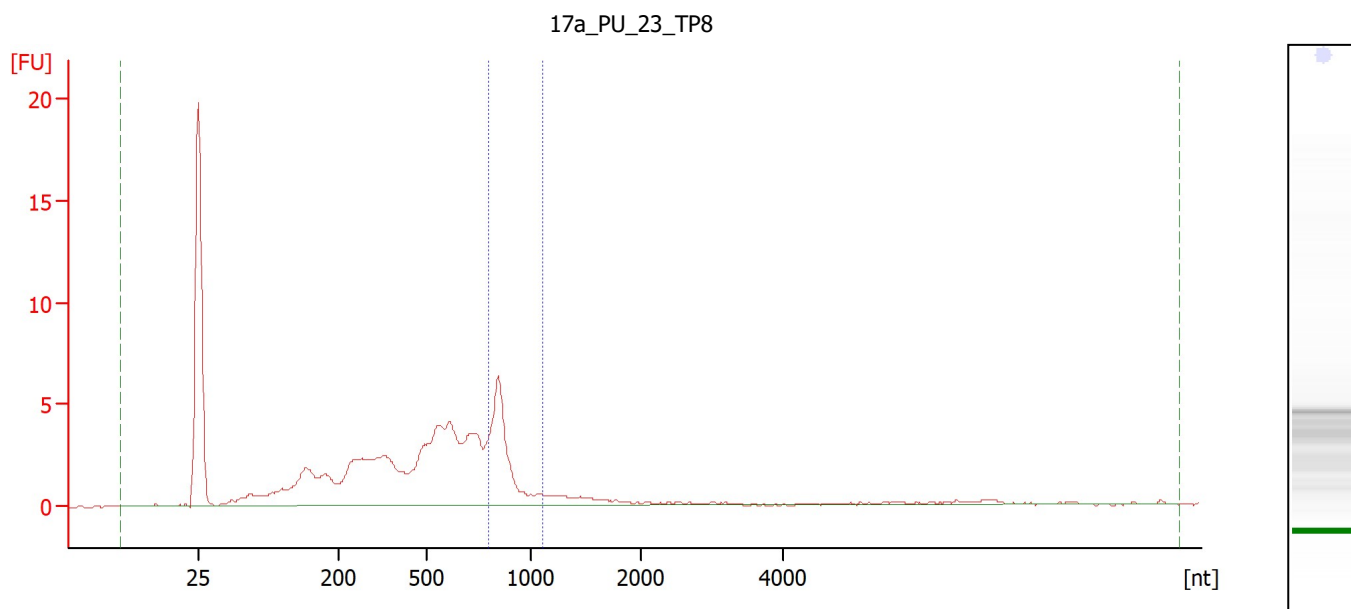
**Region table for sample 8 : 17a PU 23 TP7**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	14.0	19	

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 9 : 17a PU 23 TP8

RNA Area:	94.4	Result Flagging Color:	<span style="background-color: #d1c4e9; border: 1px solid black; display: inline-block; width: 30px; height: 15px;"></span>
RNA Concentration:	92 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.7
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

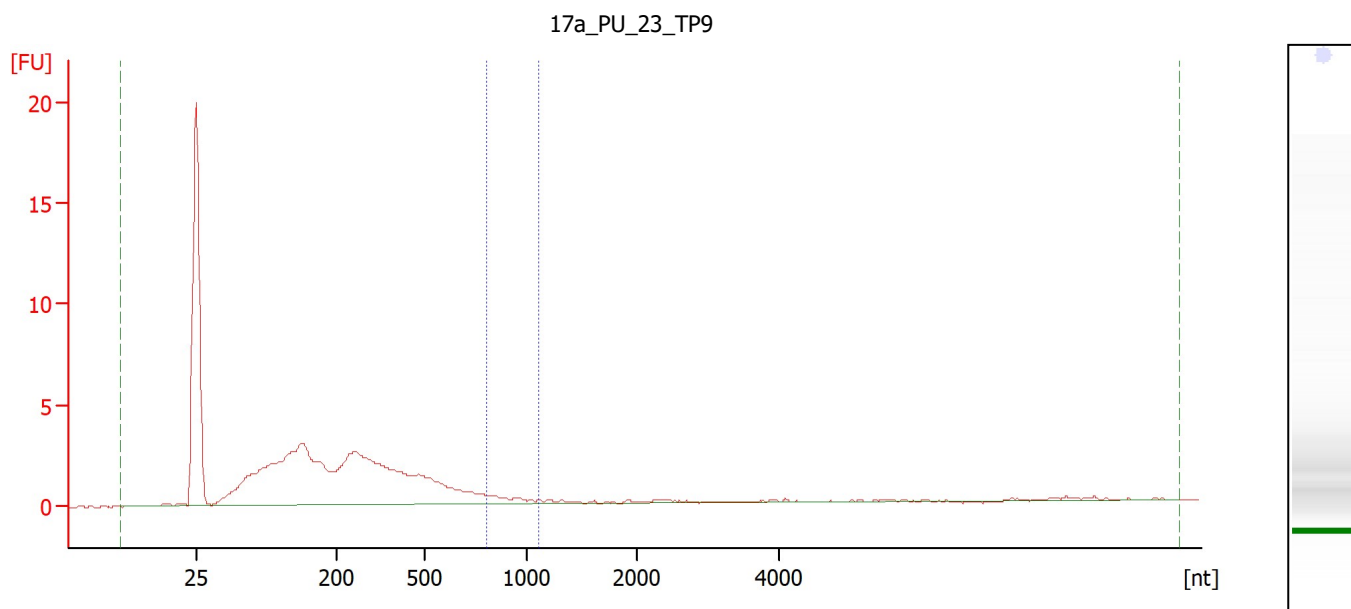
### Region table for sample 9 : 17a PU 23 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	14.7	16	<span style="background-color: #0000ff; display: inline-block; width: 20px; height: 15px;"></span>

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
 Modified: 12/11/2020 10:36:22 AM

### Electropherogram Summary Continued ...



### Overall Results for sample 10 : 17a PU 23 TP9

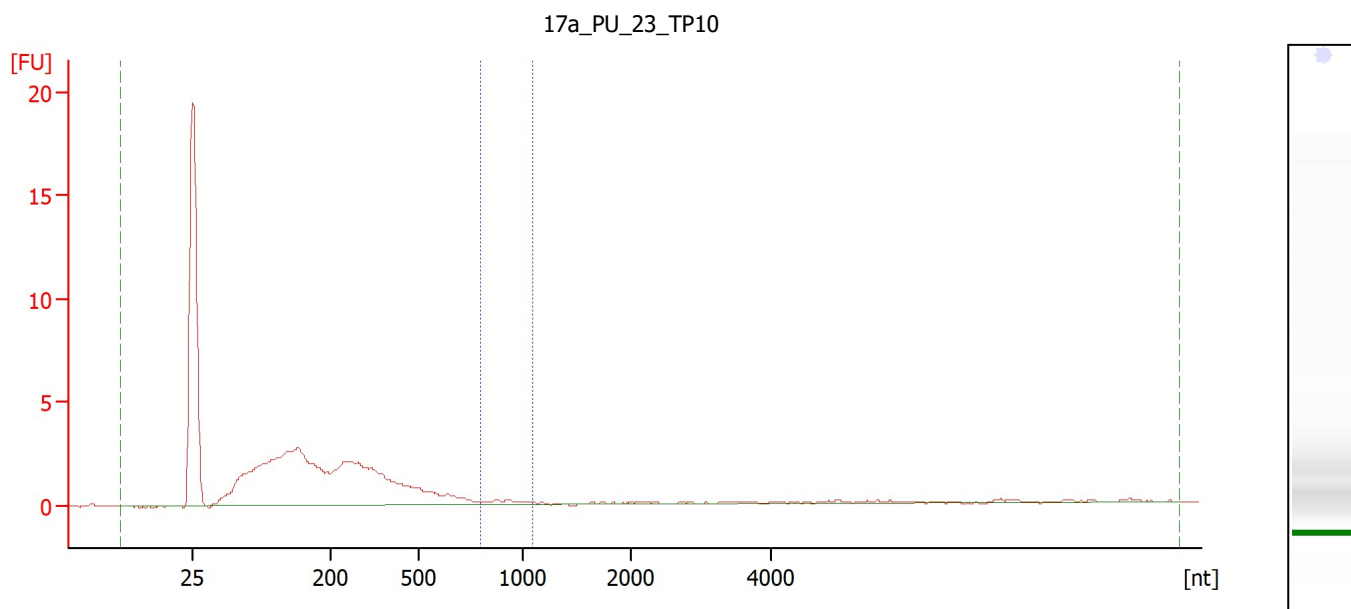
RNA Area:	72.3	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	71 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.7
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

### Region table for sample 10 : 17a PU 23 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.7	2	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : 17a PU 23 TP10**

RNA Area:	61.2	Result Flagging Color:	
RNA Concentration:	60 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.0
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

**Region table for sample 11 : 17a PU 23 TP10**

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.0	2	

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano\_2020-12-11\_09-39-16.xad

Created: 12/11/2020 9:39:16 AM  
Modified: 12/11/2020 10:36:22 AM

**Gel Image**