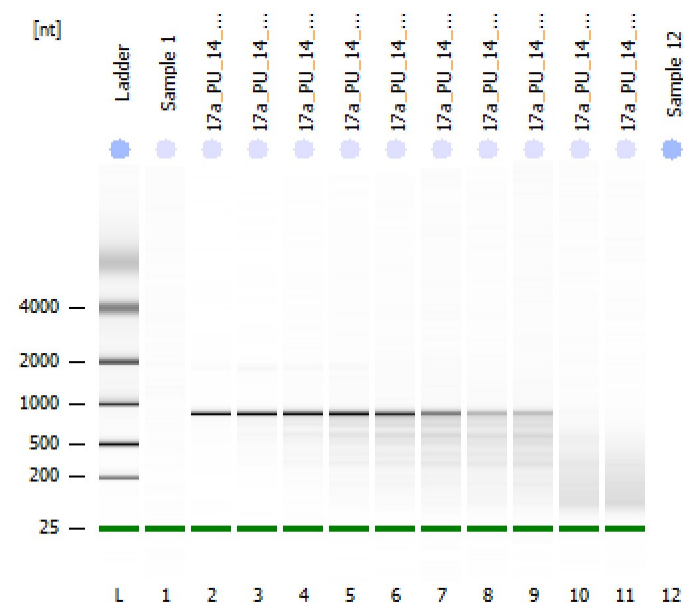


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302

Firmware: C.01.069

Serial#: DE72901302

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)

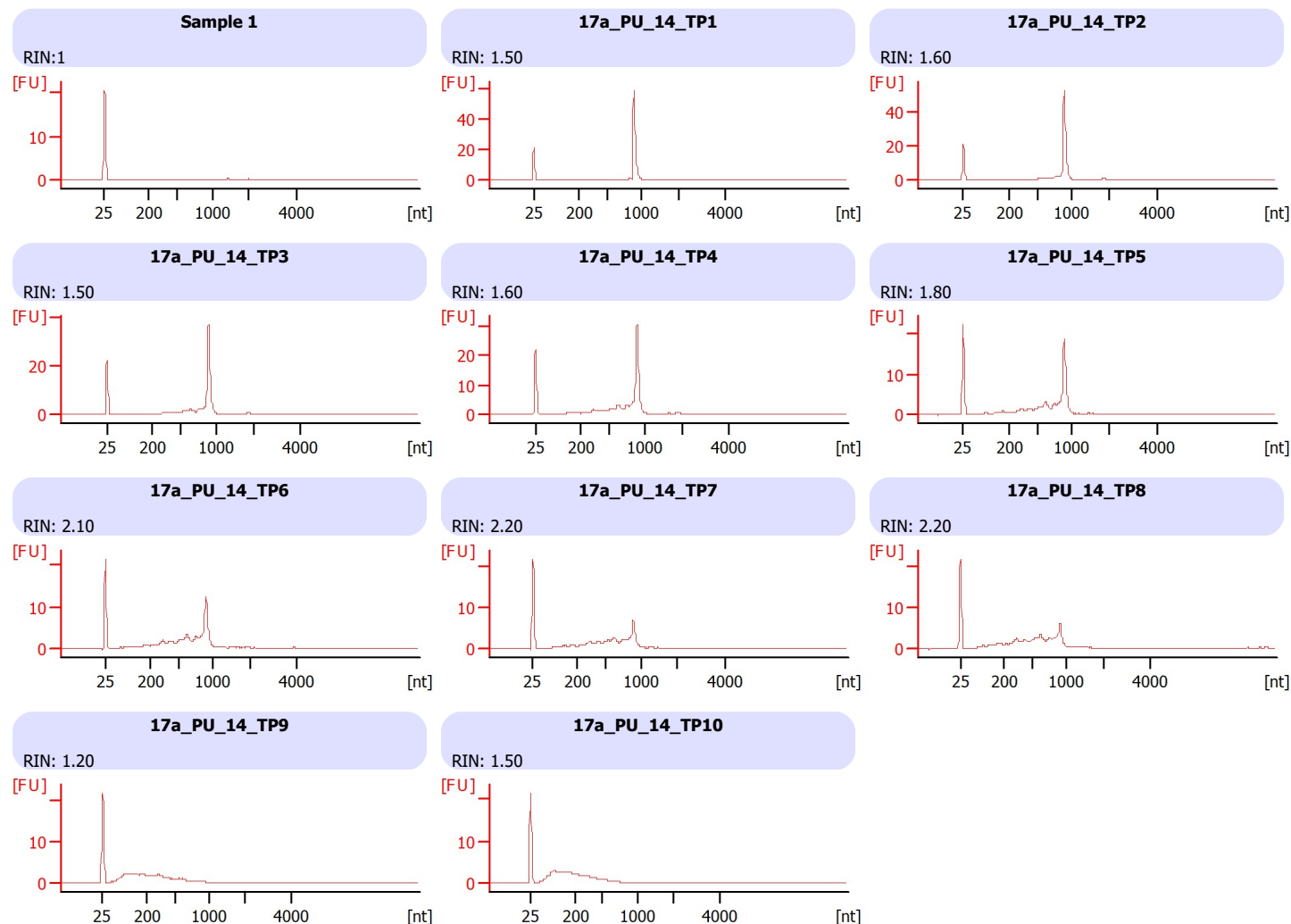
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_14_TP1		✓ RIN: 1.50	
17a_PU_14_TP2		✓ RIN: 1.60	
17a_PU_14_TP3		✓ RIN: 1.50	
17a_PU_14_TP4		✓ RIN: 1.60	
17a_PU_14_TP5		✓ RIN: 1.80	
17a_PU_14_TP6		✓ RIN: 2.10	
17a_PU_14_TP7		✓ RIN: 2.20	
17a_PU_14_TP8		✓ RIN: 2.20	
17a_PU_14_TP9		✓ RIN: 1.20	
17a_PU_14_TP10		✓ RIN: 1.50	
Sample 12			
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_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ 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

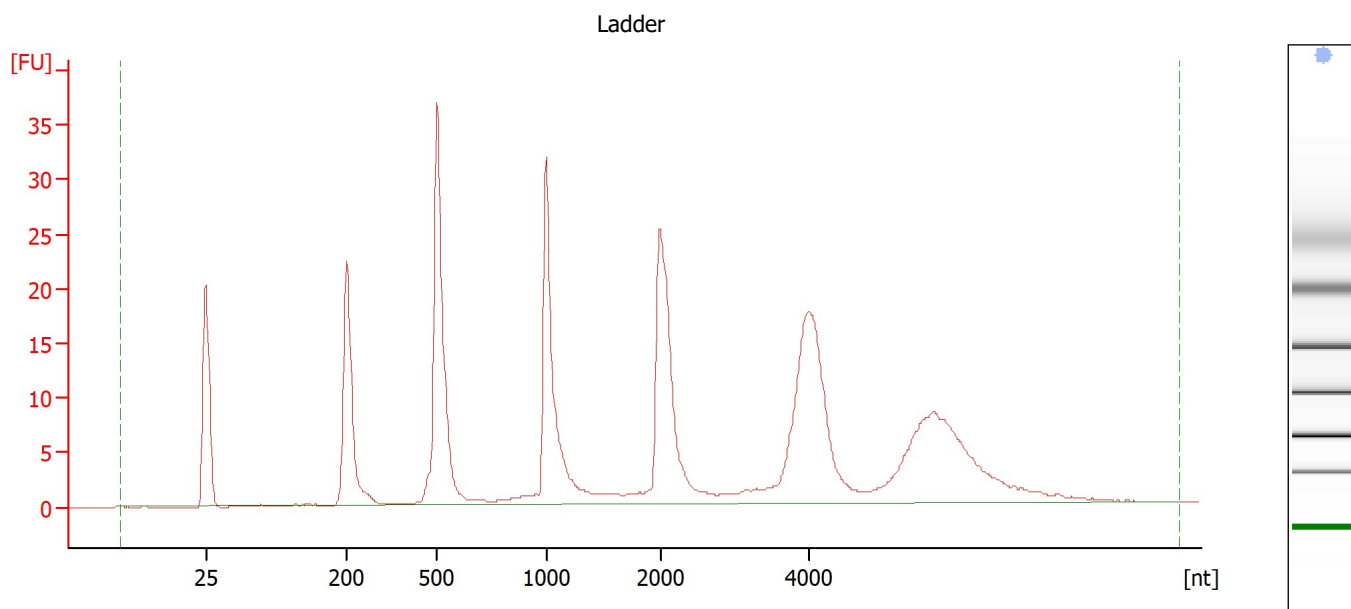
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 312.4

Result Flagging Color:



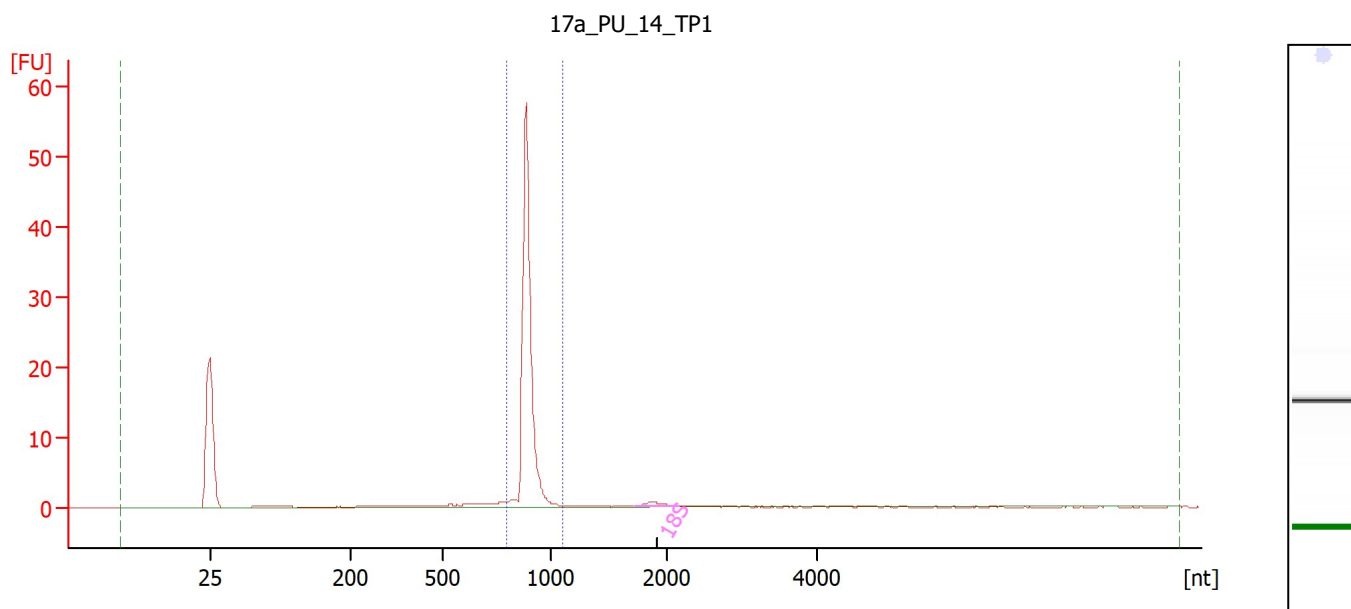
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 14 TP1**

RNA Area:	77.6	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	64.9
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 14 TP1

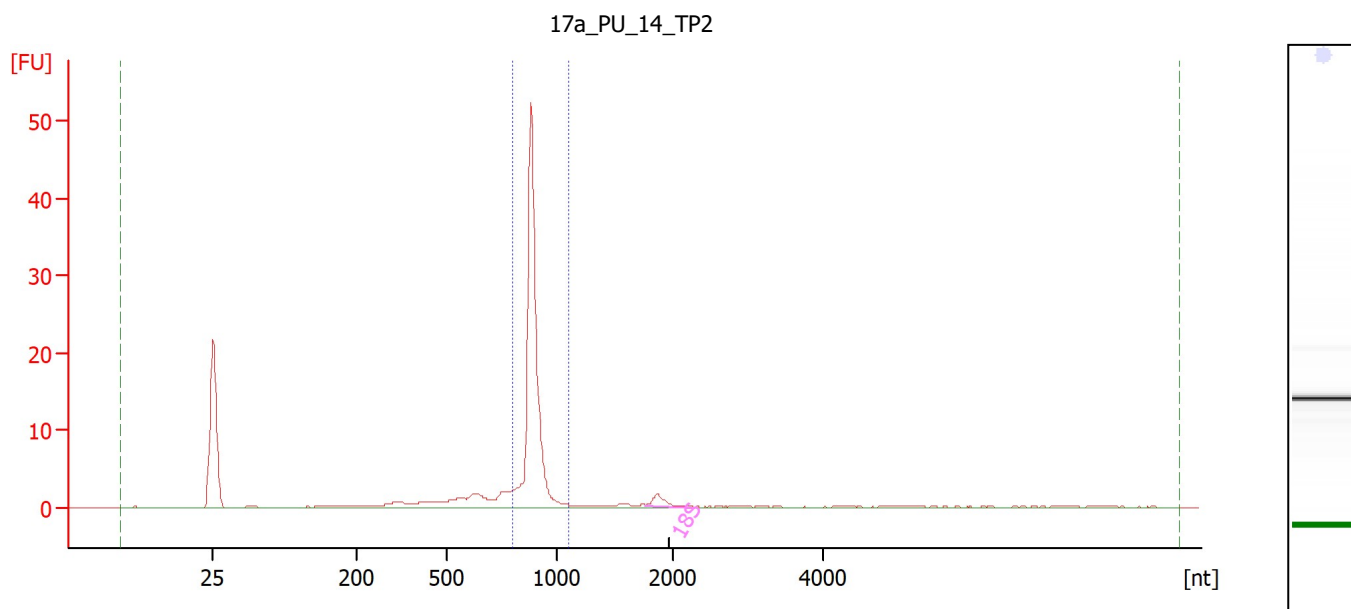
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,175	1.2	1.6

Region table for sample 2 : 17a PU 14 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	64.9	84	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 14 TP2**

RNA Area:	96.4	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	66.5
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 14 TP2

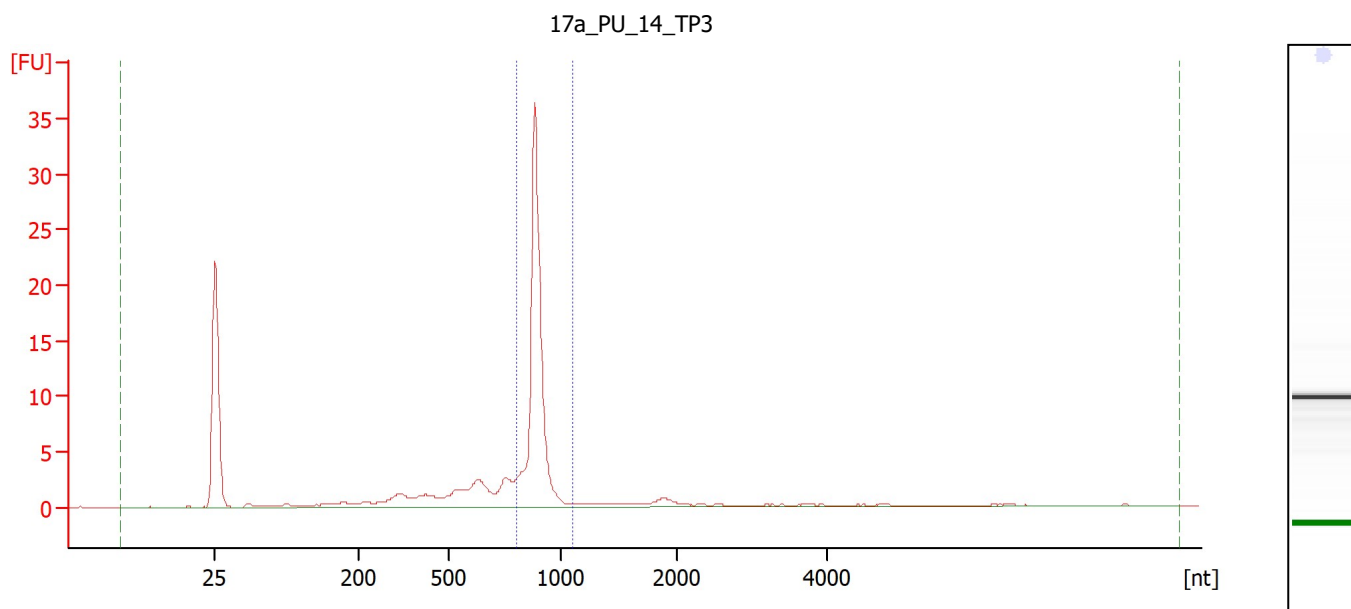
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,765	2,278	2.0	2.1

Region table for sample 3 : 17a PU 14 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	66.5	69	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 14 TP3**

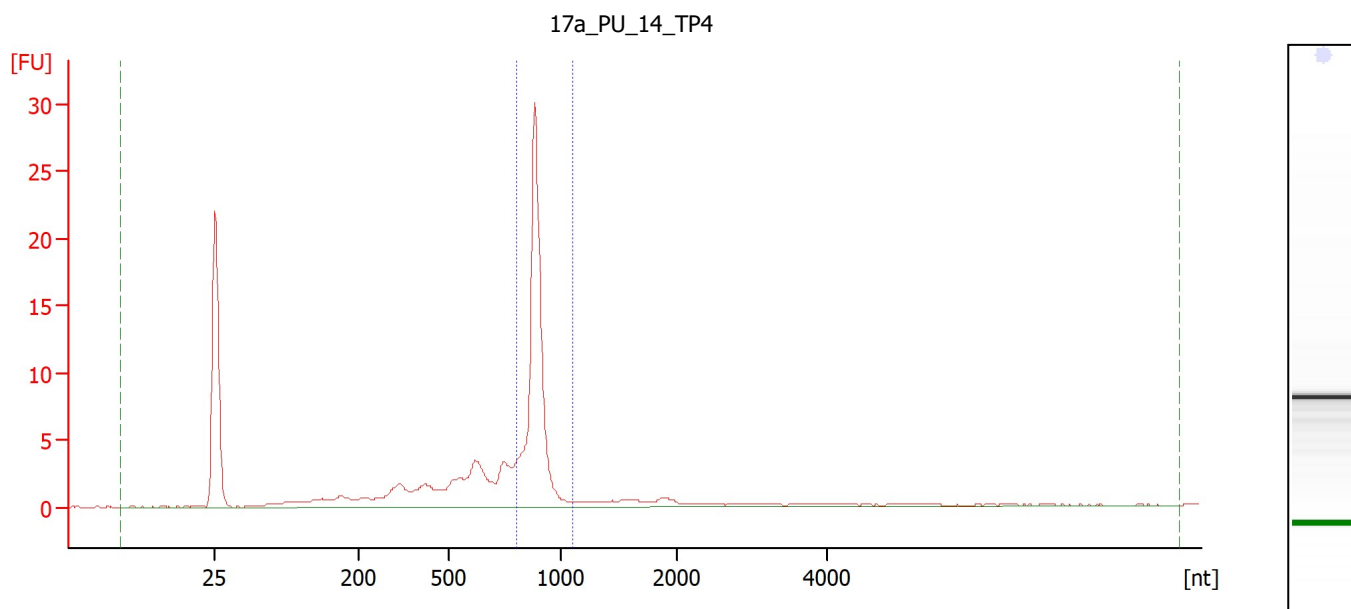
RNA Area:	85.7	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	50.4
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 4 : 17a PU 14 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	50.4	59	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 14 TP4**

RNA Area:	104.0	Result Flagging Color:	
RNA Concentration:	50 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	47.1
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

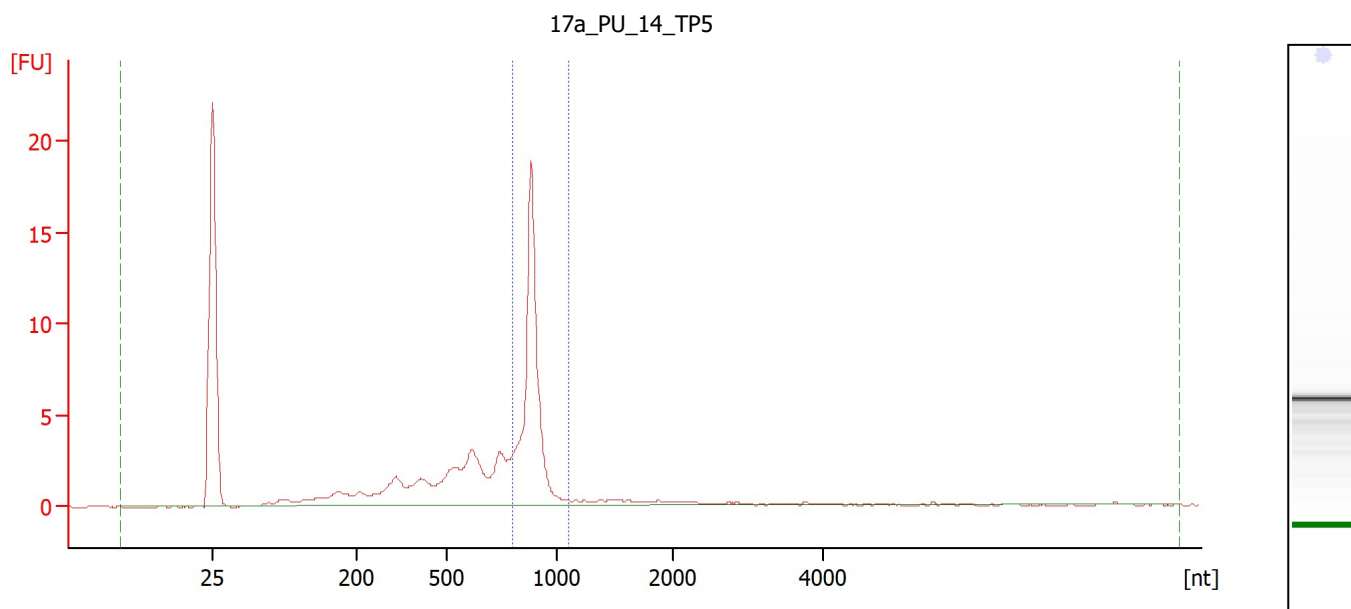
Region table for sample 5 : 17a PU 14 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	47.1	45	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 14 TP5

RNA Area:	77.3	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	31.9
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

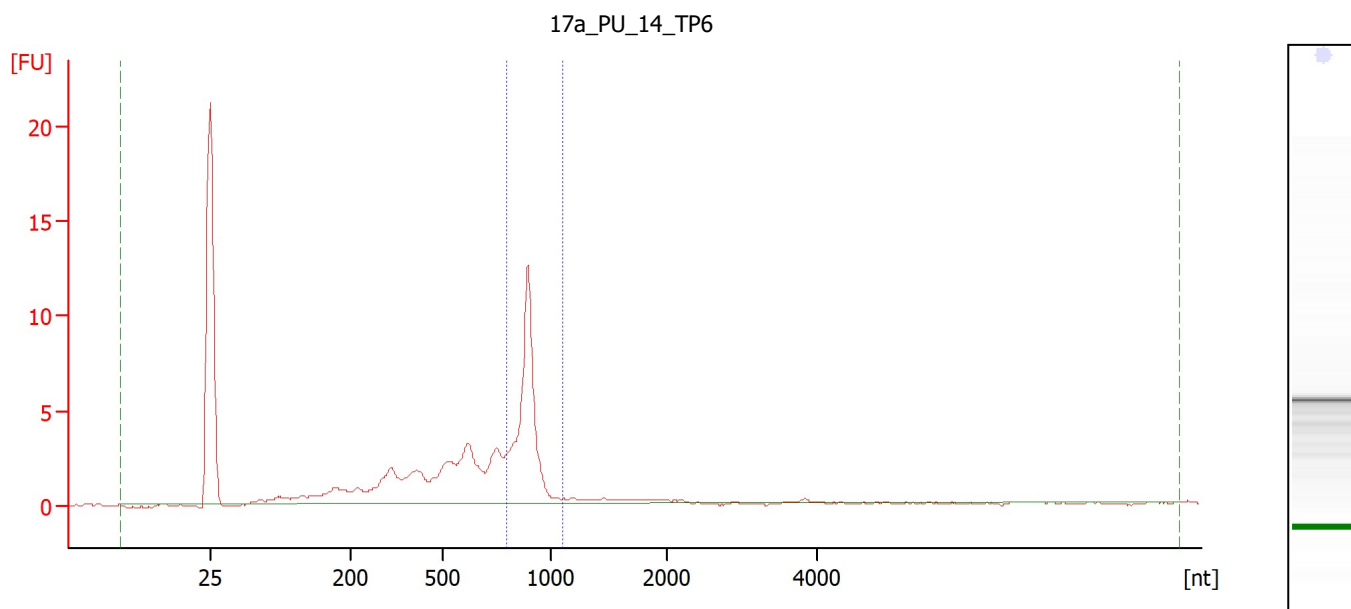
Region table for sample 6 : 17a PU 14 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	31.9	41	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 14 TP6

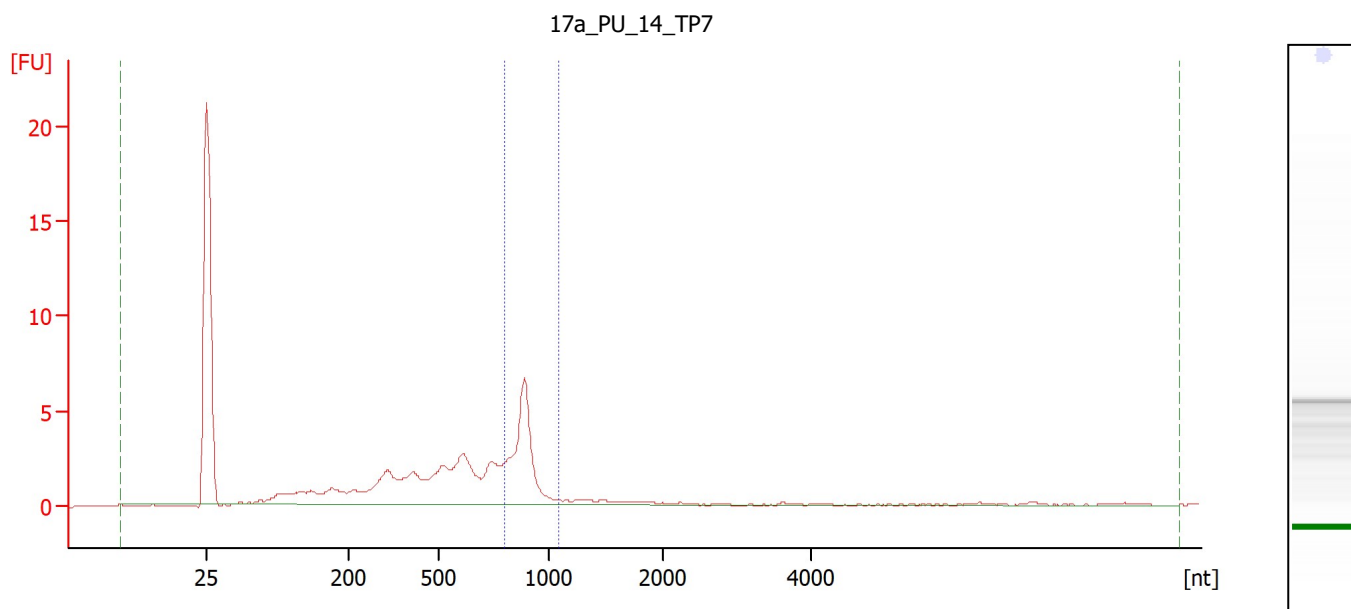
RNA Area:	69.7	Result Flagging Color:	
RNA Concentration:	33 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	24.2
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 14 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	24.2	35	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 14 TP7**

RNA Area:	61.8	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.5
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

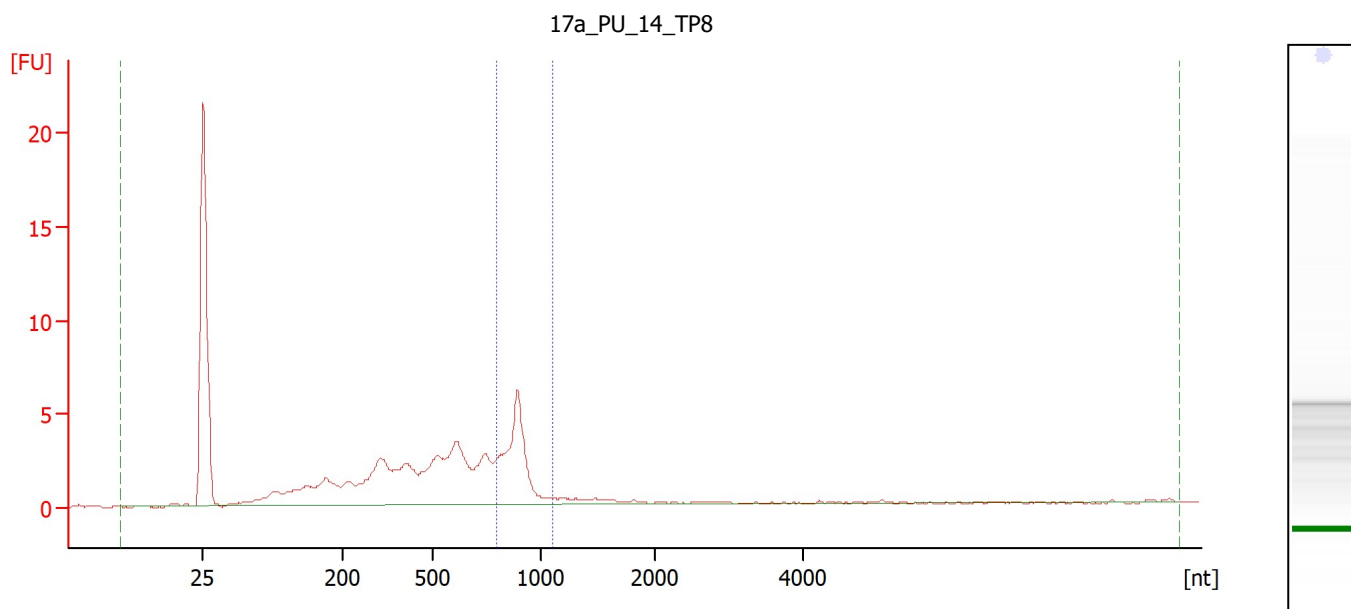
Region table for sample 8 : 17a PU 14 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	15.5	25	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 14 TP8

RNA Area:	78.3	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.7
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

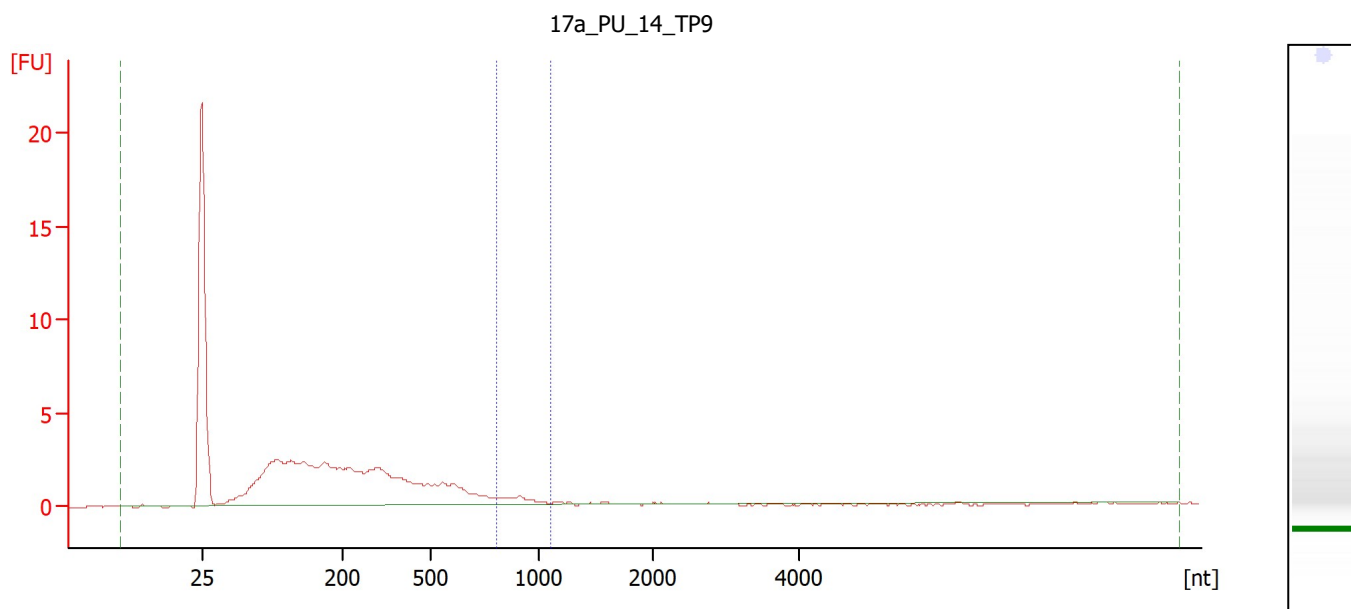
Region table for sample 9 : 17a PU 14 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	15.7	20	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 14 TP9

RNA Area:	65.0	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 1.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.9
RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

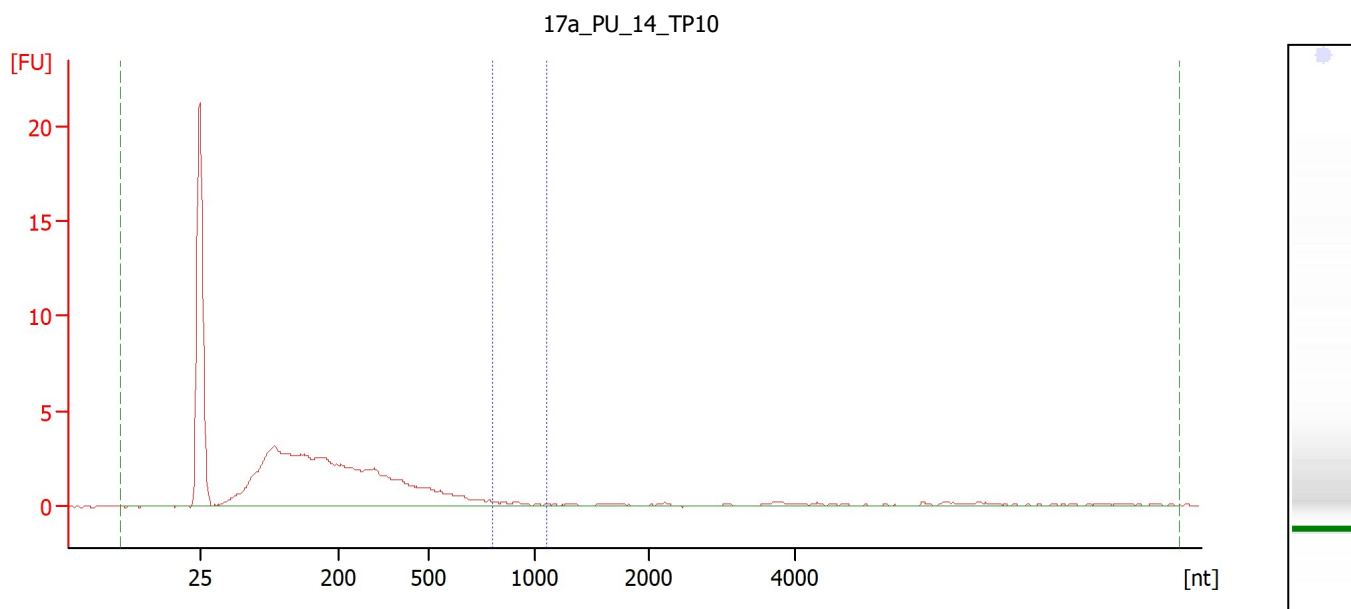
Region table for sample 10 : 17a PU 14 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.9	3	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
 Modified: 12/10/2020 4:23:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 14 TP10

RNA Area:	69.8	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	0.8
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 14 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	0.8	1	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-52-31.xad

Created: 12/10/2020 3:52:31 PM
Modified: 12/10/2020 4:23:30 PM

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