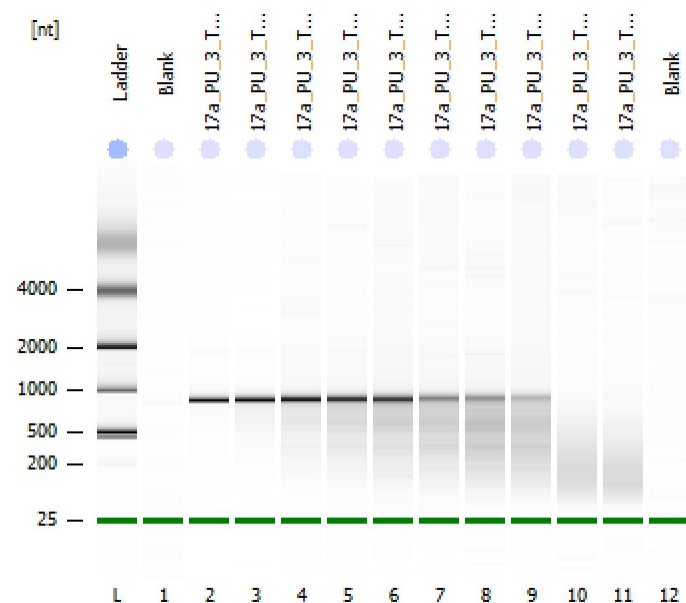


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901420
Serial#: DE72901420

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)

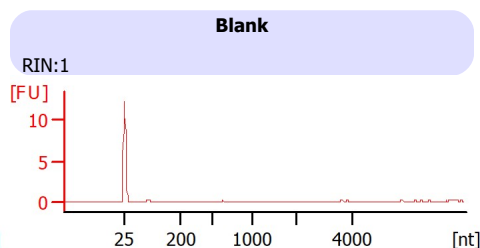
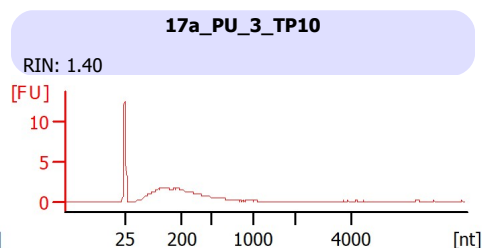
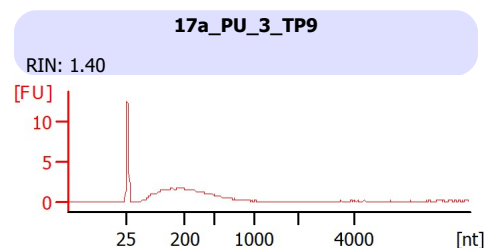
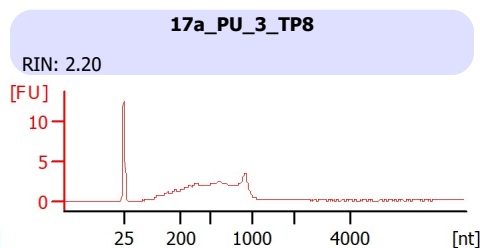
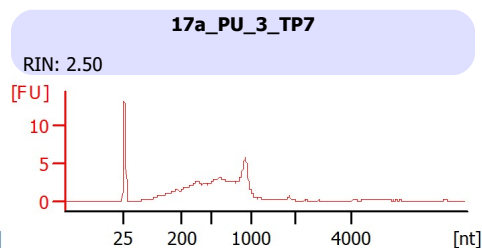
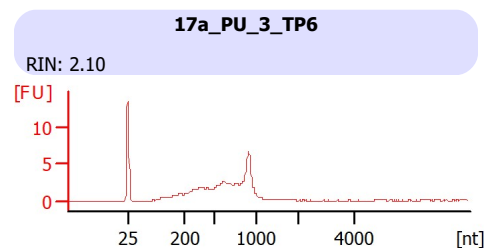
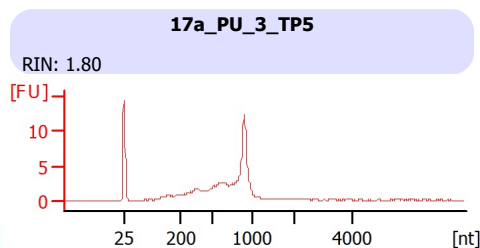
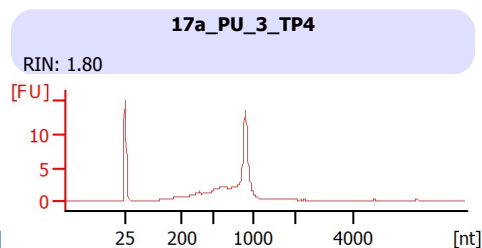
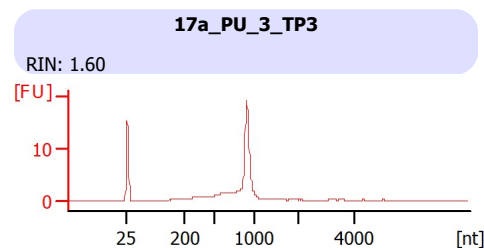
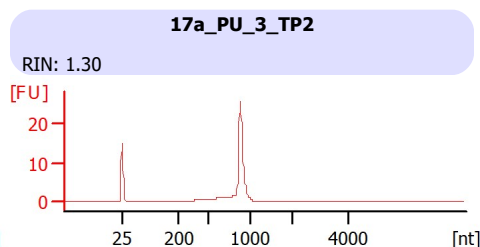
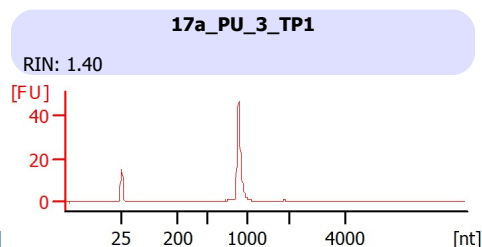
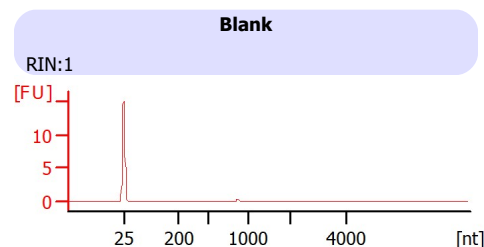
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_3_TP1		✓ RIN: 1.40	
17a_PU_3_TP2		✓ RIN: 1.30	
17a_PU_3_TP3		✓ RIN: 1.60	
17a_PU_3_TP4		✓ RIN: 1.80	
17a_PU_3_TP5		✓ RIN: 1.80	
17a_PU_3_TP6		✓ RIN: 2.10	
17a_PU_3_TP7		✓ RIN: 2.50	
17a_PU_3_TP8		✓ RIN: 2.20	
17a_PU_3_TP9		✓ RIN: 1.40	
17a_PU_3_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:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 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

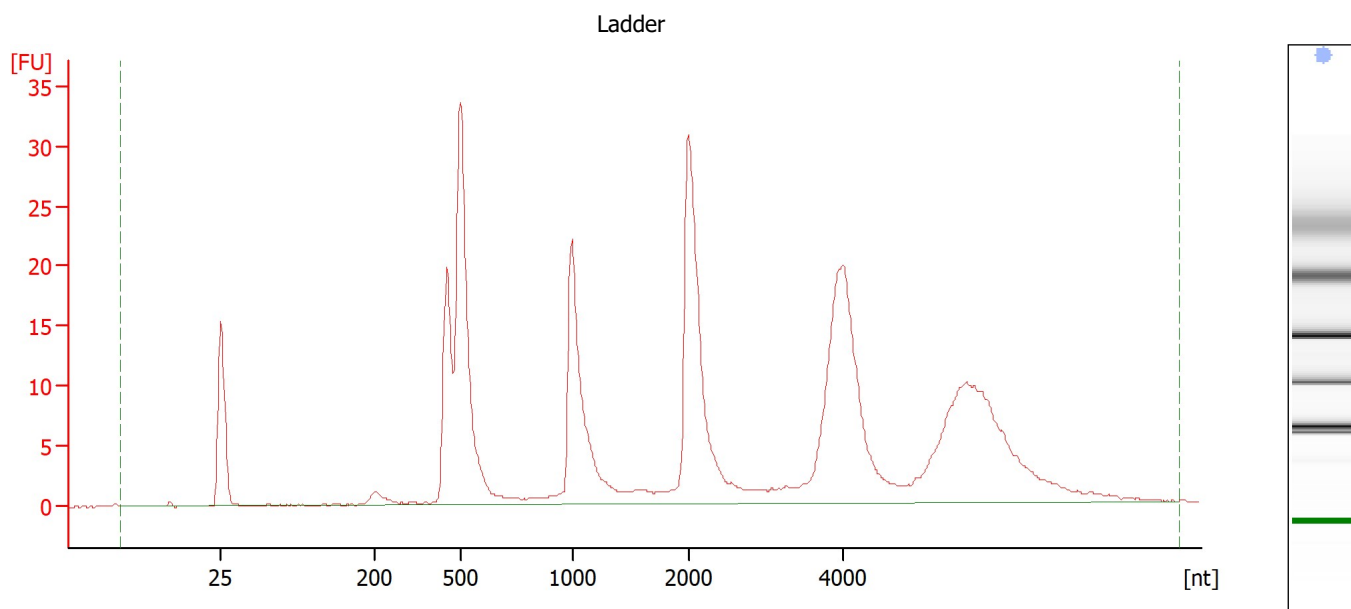
Ladder

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_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 329.7

Result Flagging Color:



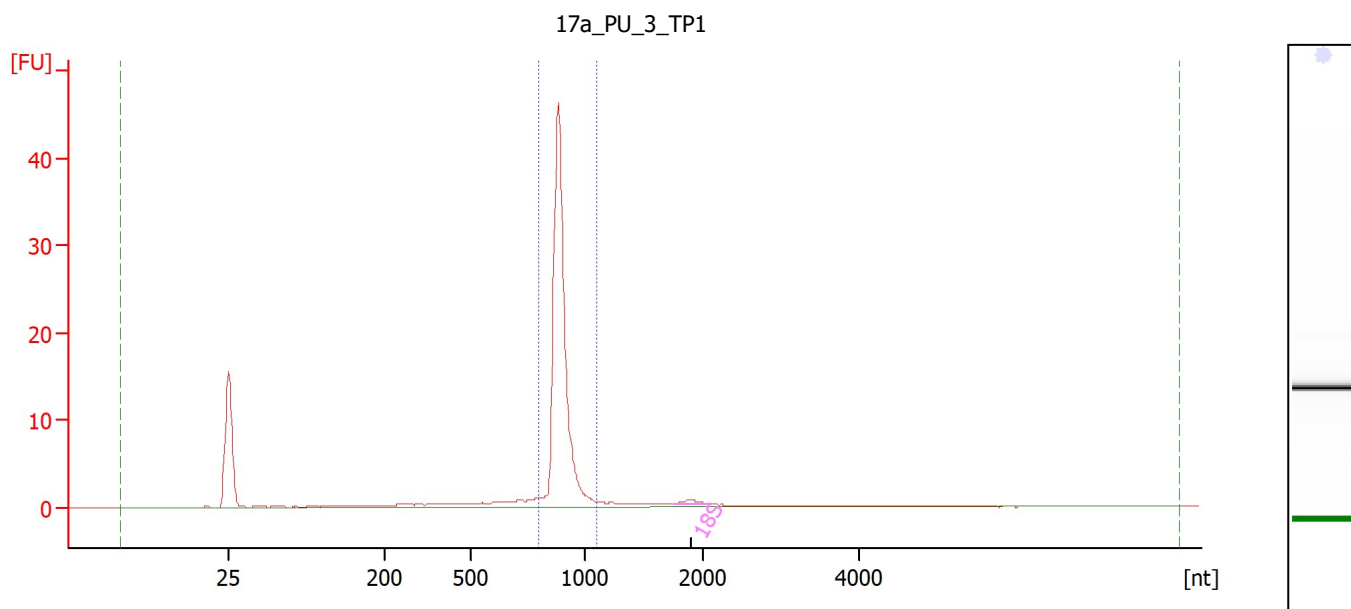
RNA Concentration: 150 ng/μl

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_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 3 TP1**

RNA Area:	94.3	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	70.9
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 3 TP1

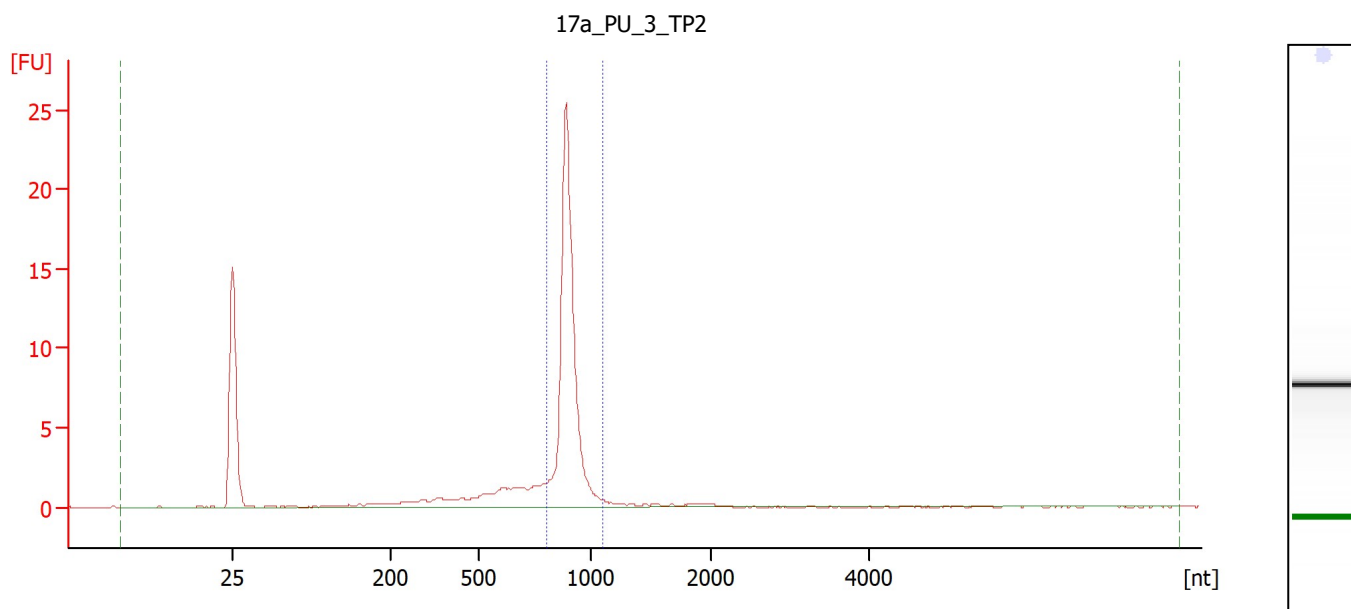
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,105	1.1	1.2

Region table for sample 2 : 17a PU 3 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	70.9	75	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

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

RNA Area:	61.2	Result Flagging Color:	
RNA Concentration:	28 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	43.6
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

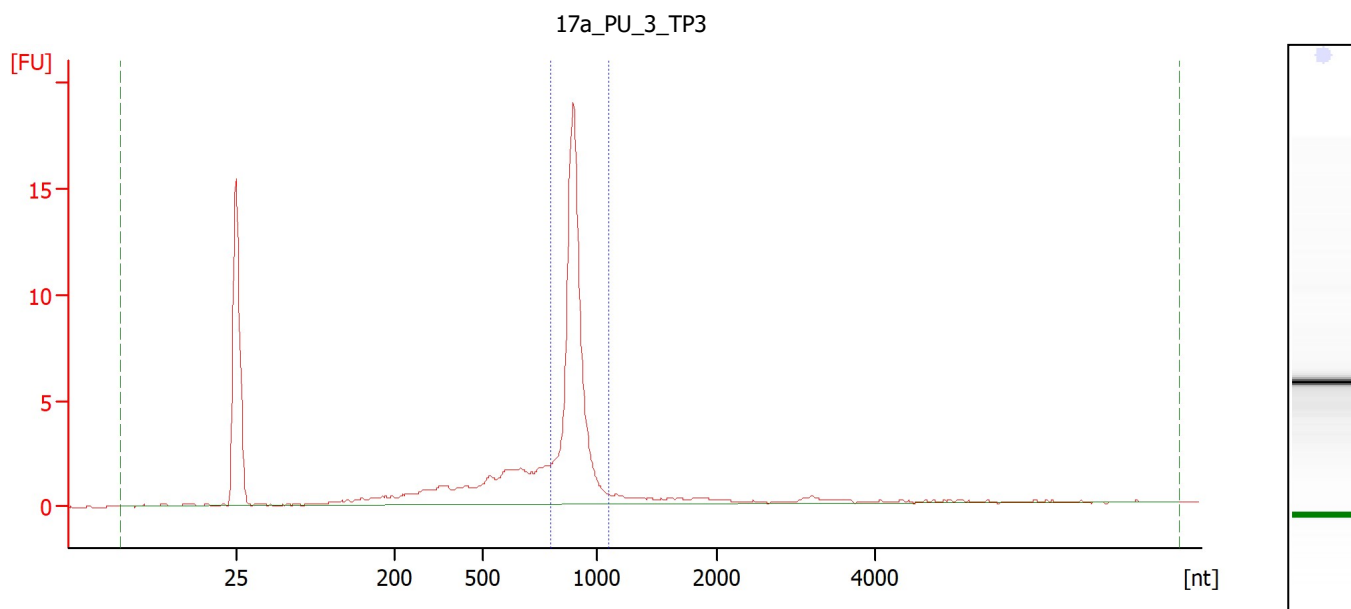
Region table for sample 3 : 17a PU 3 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	43.6	71	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17a PU 3 TP3

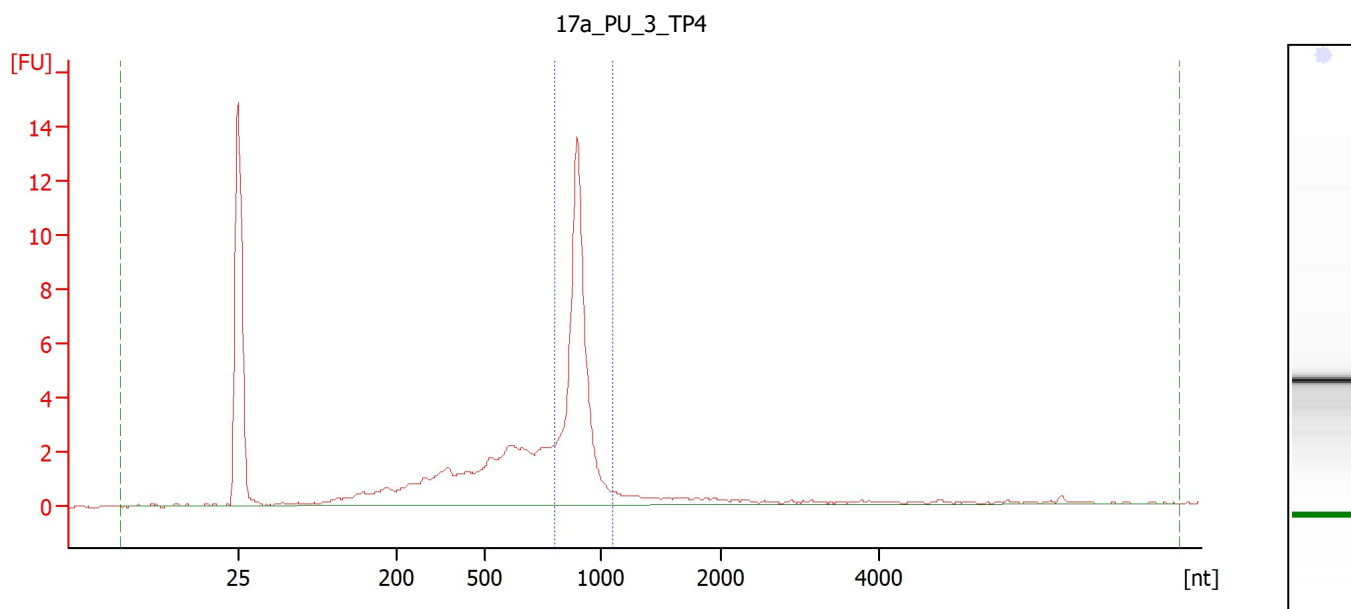
RNA Area:	68.8	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	36.7
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 4 : 17a PU 3 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	36.7	53	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 3 TP4**

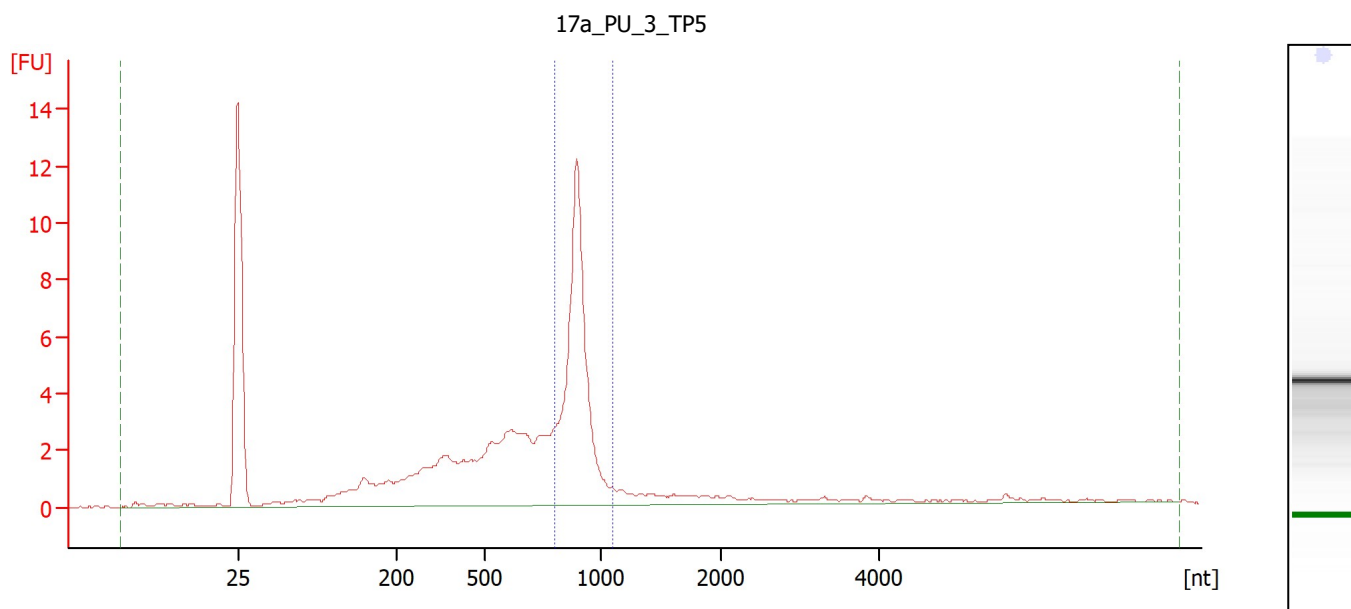
RNA Area:	73.1	Result Flagging Color:	
RNA Concentration:	33 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	29.7
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 5 : 17a PU 3 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	29.7	41	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 3 TP5**

RNA Area:	85.8	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	29.3
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

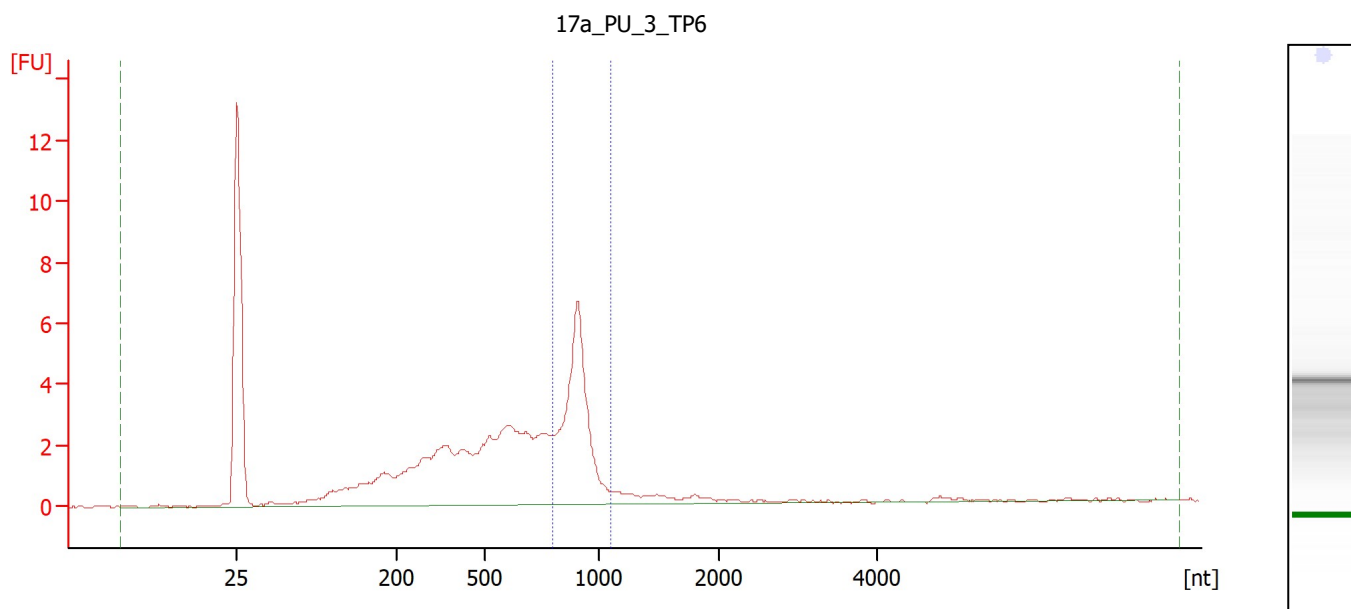
Region table for sample 6 : 17a PU 3 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	29.3	34	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 3 TP6

RNA Area:	69.9	Result Flagging Color:	
RNA Concentration:	32 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	19.0
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

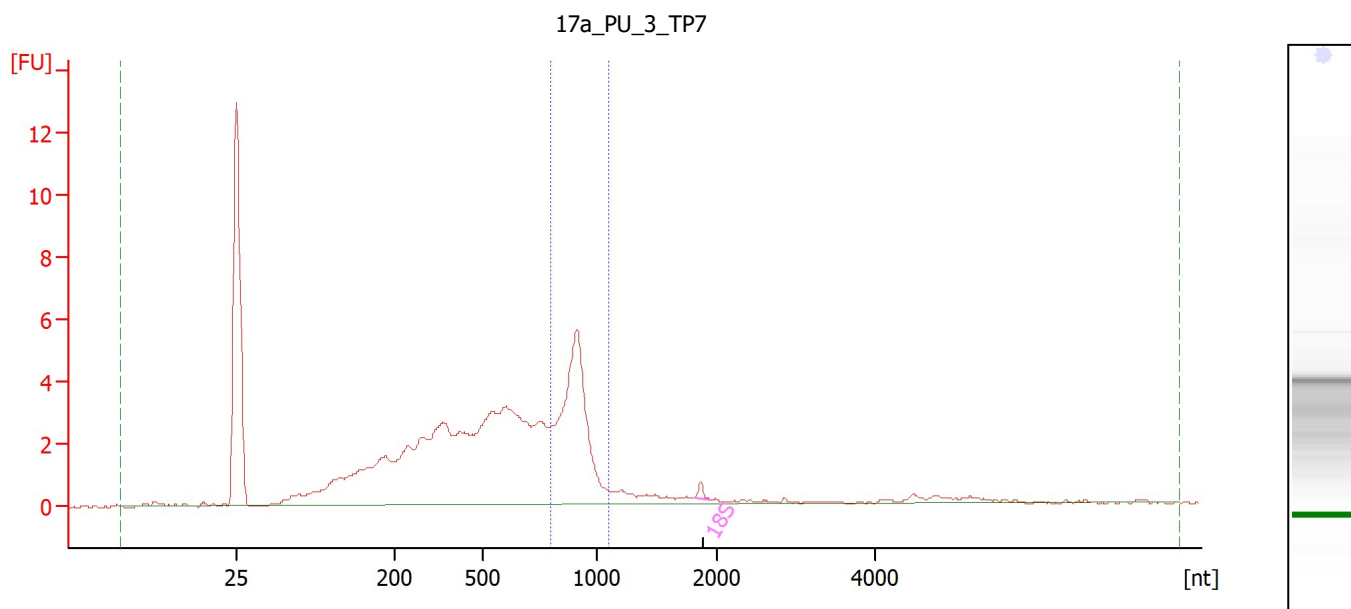
Region table for sample 7 : 17a PU 3 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	19.0	27	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a PU 3 TP7

RNA Area:	87.1	Result Flagging Color:	
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.3
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 8 : 17a PU 3 TP7

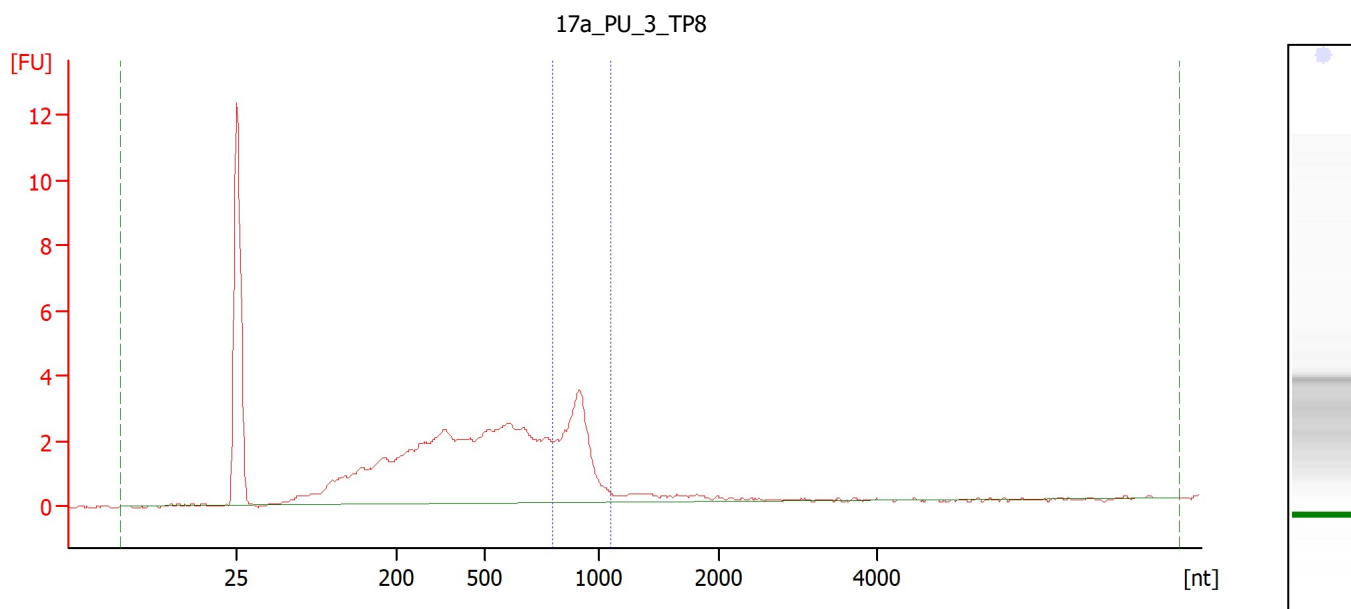
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,815	1,958	0.3	0.4

Region table for sample 8 : 17a PU 3 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	18.3	21	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 3 TP8**

RNA Area:	70.0	Result Flagging Color:	
RNA Concentration:	32 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.6
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

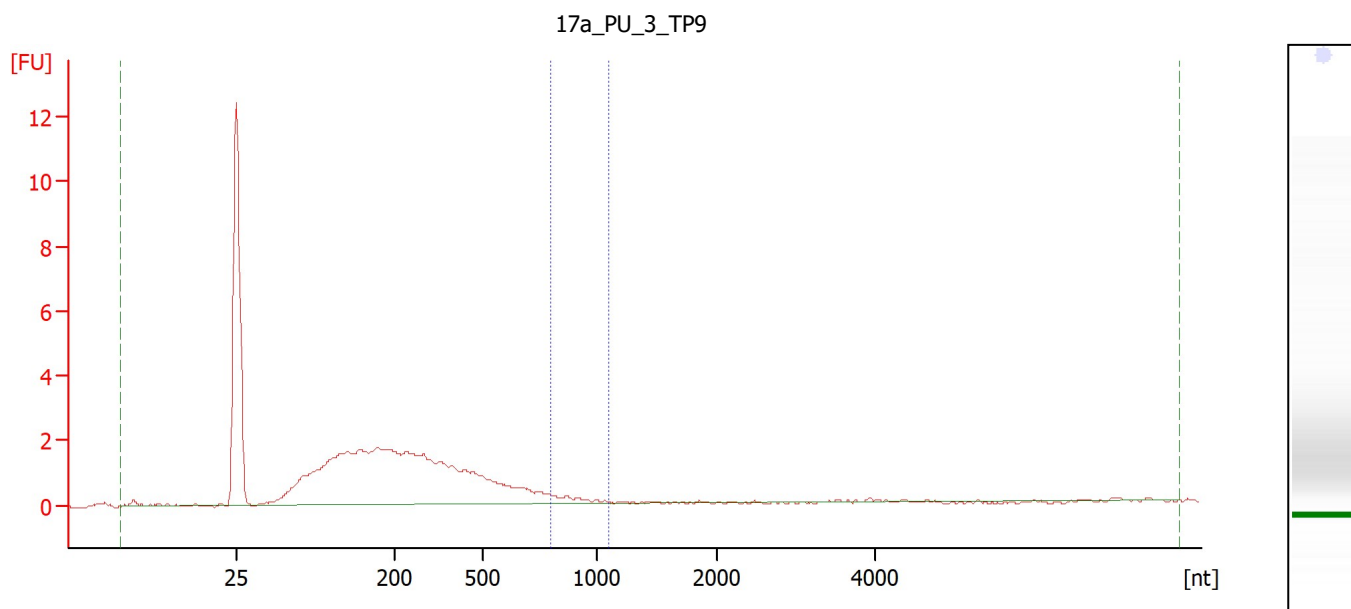
Region table for sample 9 : 17a PU 3 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	12.6	18	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_3_TP9

RNA Area:	46.7	Result Flagging Color:	
RNA Concentration:	21 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)		

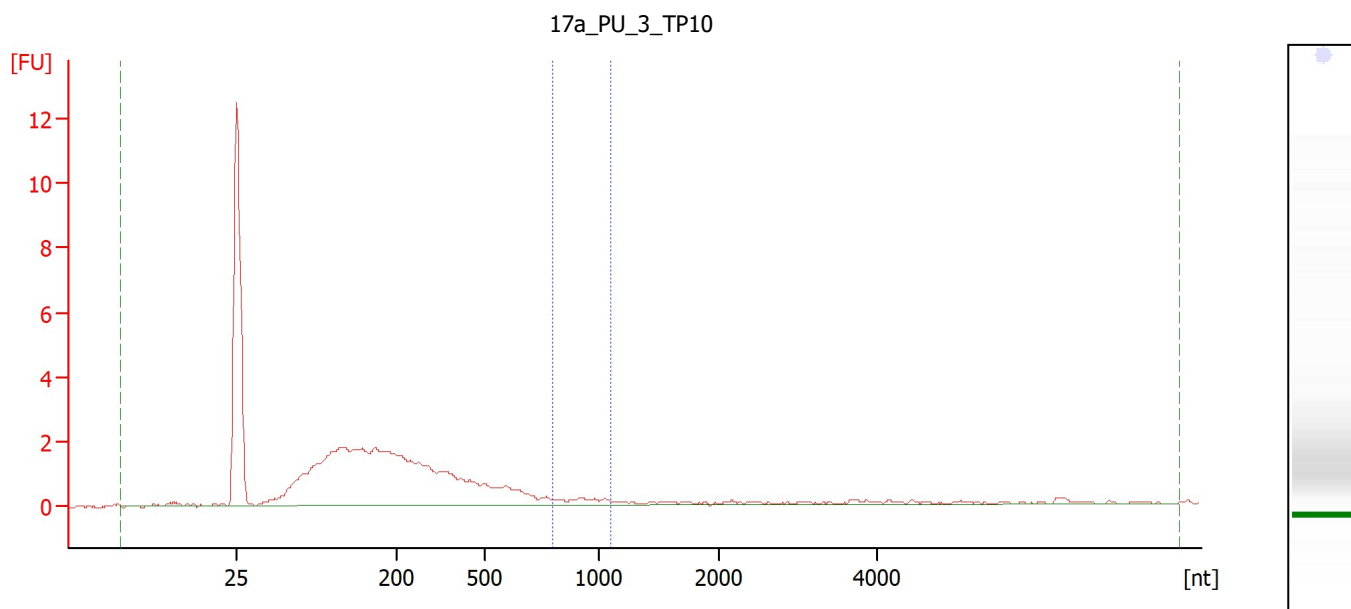
Region table for sample 10 : 17a_PU_3_TP9

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:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
 Modified: 12/10/2020 2:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 3 TP10

RNA Area:	44.6	Result Flagging Color:	
RNA Concentration:	20 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 3 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:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_08-35-37.xad

Created: 12/10/2020 8:35:37 AM
Modified: 12/10/2020 2:57:44 PM

Gel Image