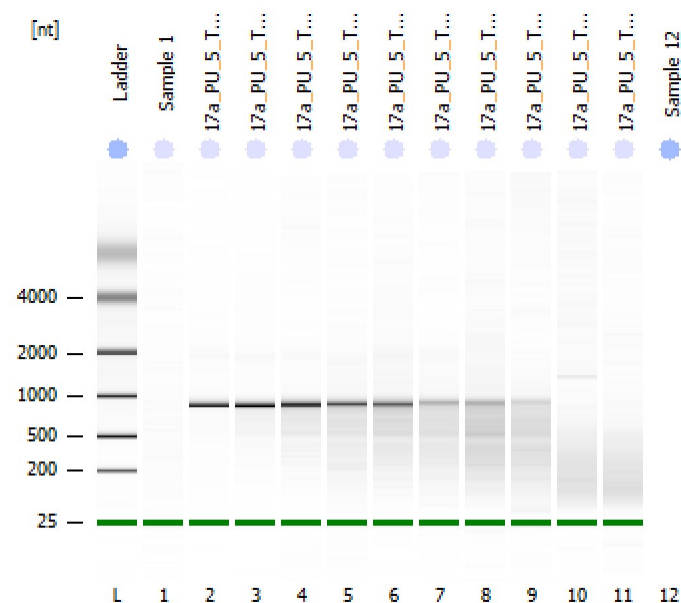


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 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)

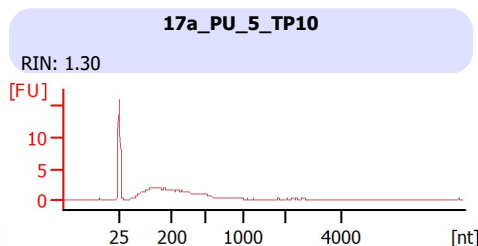
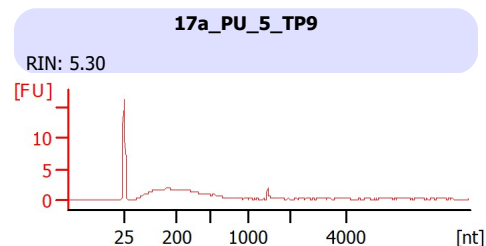
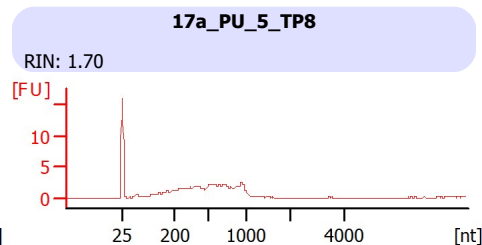
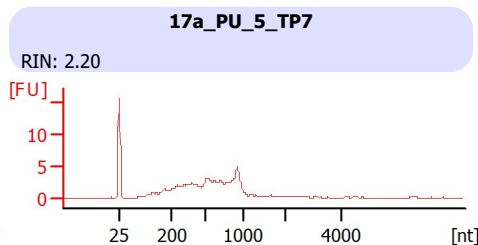
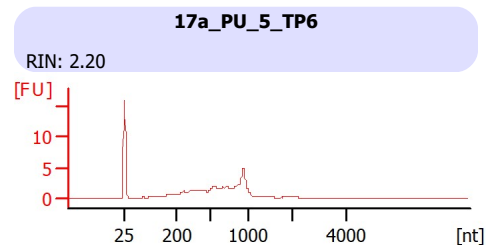
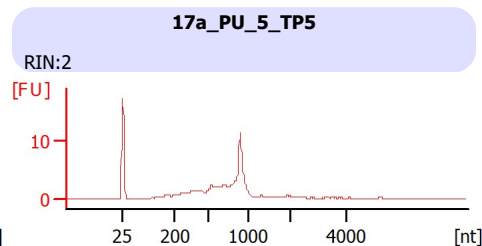
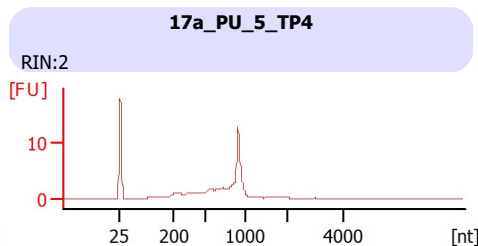
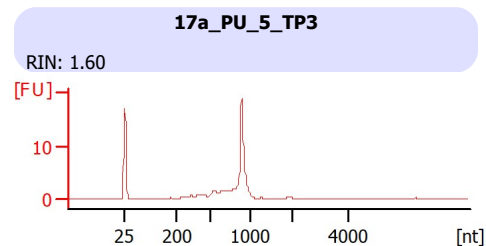
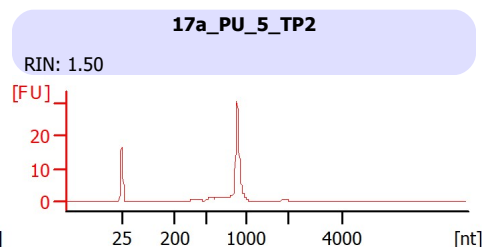
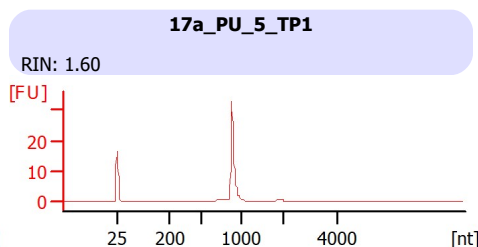
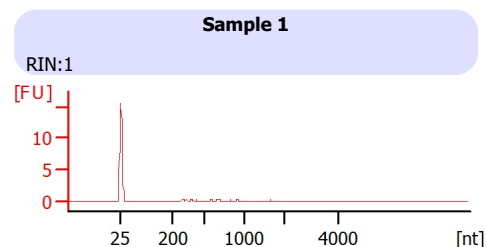
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Chip Information:

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_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_5_TP1		✓ RIN: 1.60	
17a_PU_5_TP2		✓ RIN: 1.50	
17a_PU_5_TP3		✓ RIN: 1.60	
17a_PU_5_TP4		✓ RIN:2	
17a_PU_5_TP5		✓ RIN:2	
17a_PU_5_TP6		✓ RIN: 2.20	
17a_PU_5_TP7		✓ RIN: 2.20	
17a_PU_5_TP8		✓ RIN: 1.70	
17a_PU_5_TP9		✓ RIN: 5.30	
17a_PU_5_TP10		✓ RIN: 1.30	
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_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 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

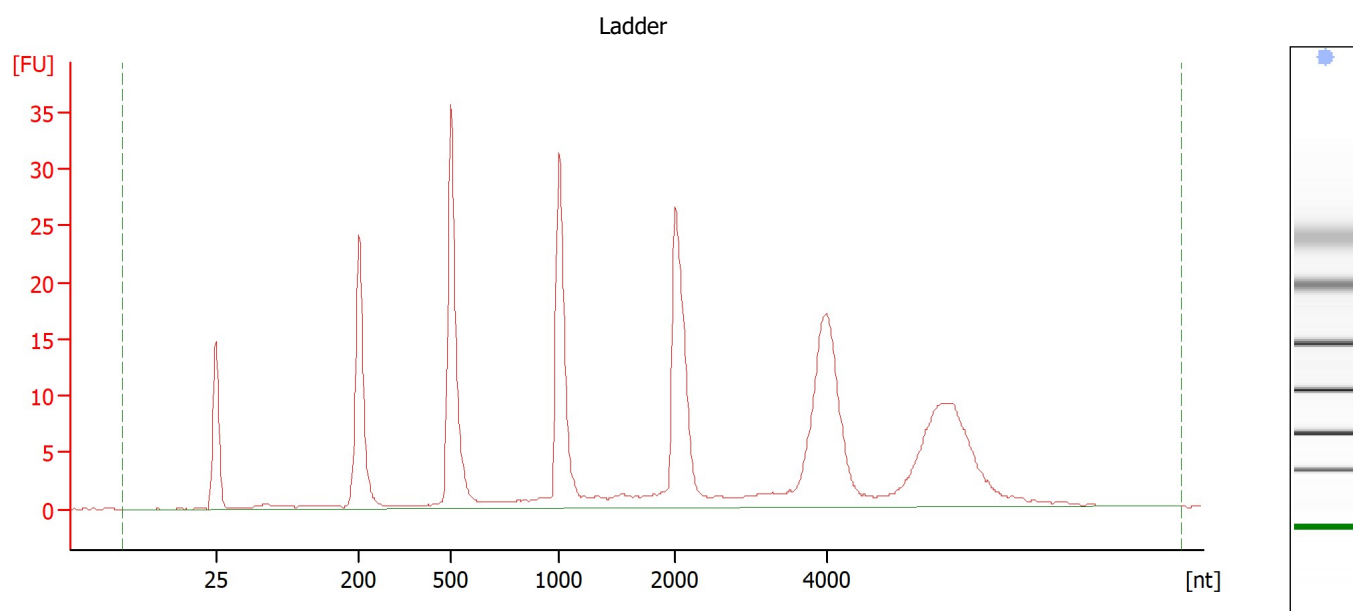
Ladder

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_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 288.3

Result Flagging Color:



RNA Concentration: 150 ng/μl

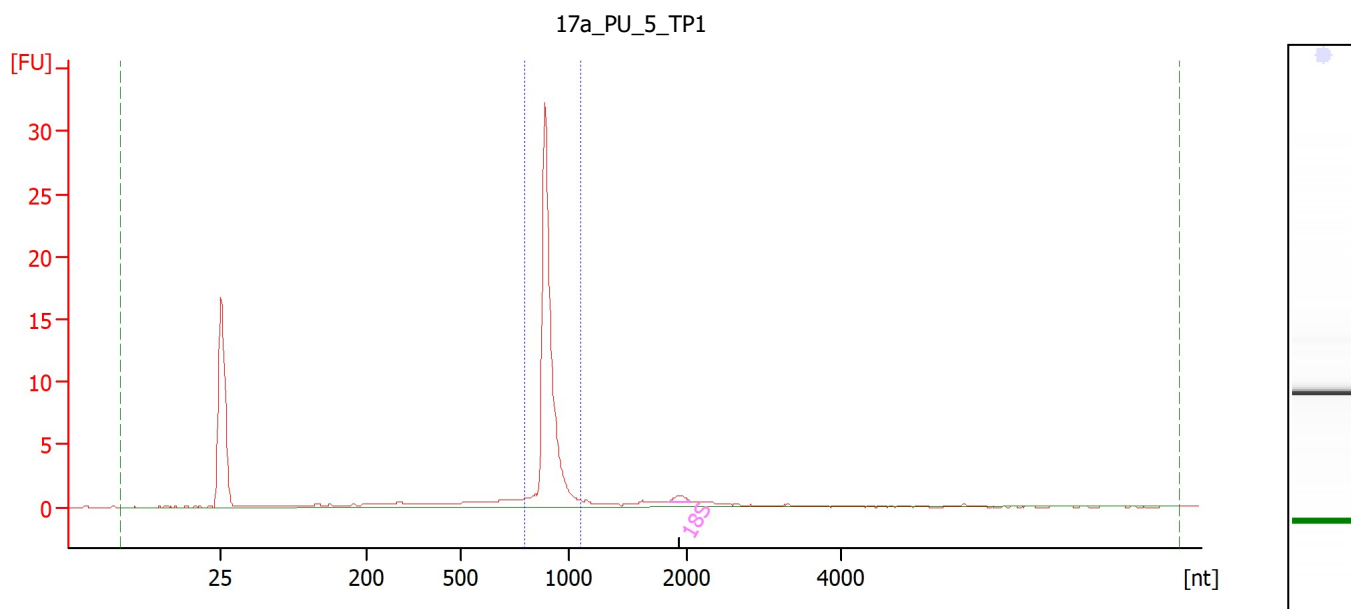
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 5 TP1

RNA Area:	59.0	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	42.5
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 5 TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,834	2,037	0.6	1.0

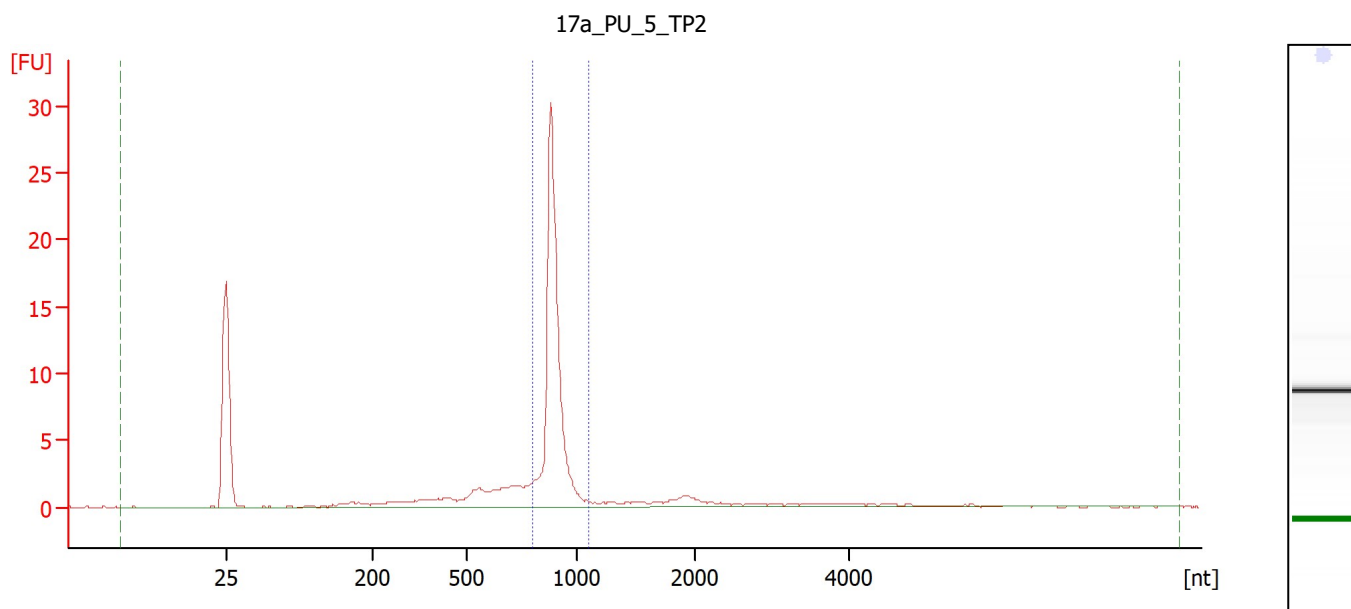
Region table for sample 2 : 17a PU 5 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	42.5	72	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 5 TP2

RNA Area:	71.7	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	46.3
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

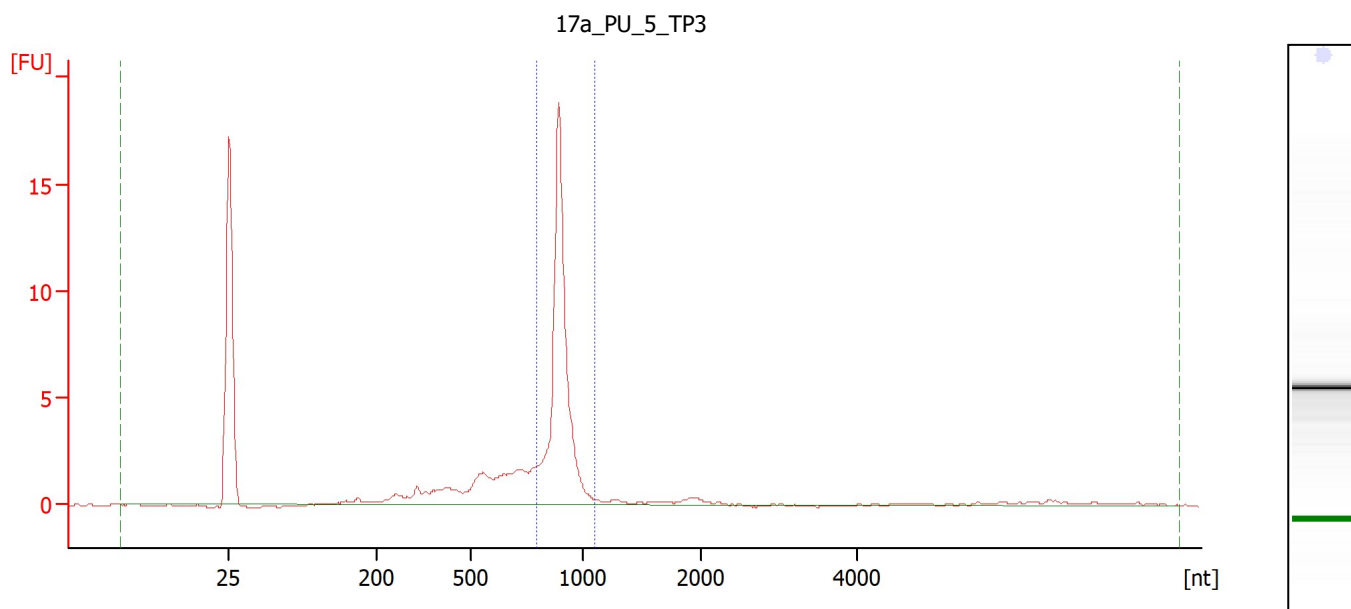
Region table for sample 3 : 17a PU 5 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	46.3	65	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17a PU 5 TP3

RNA Area:	55.2	Result Flagging Color:	
RNA Concentration:	29 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	32.2
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

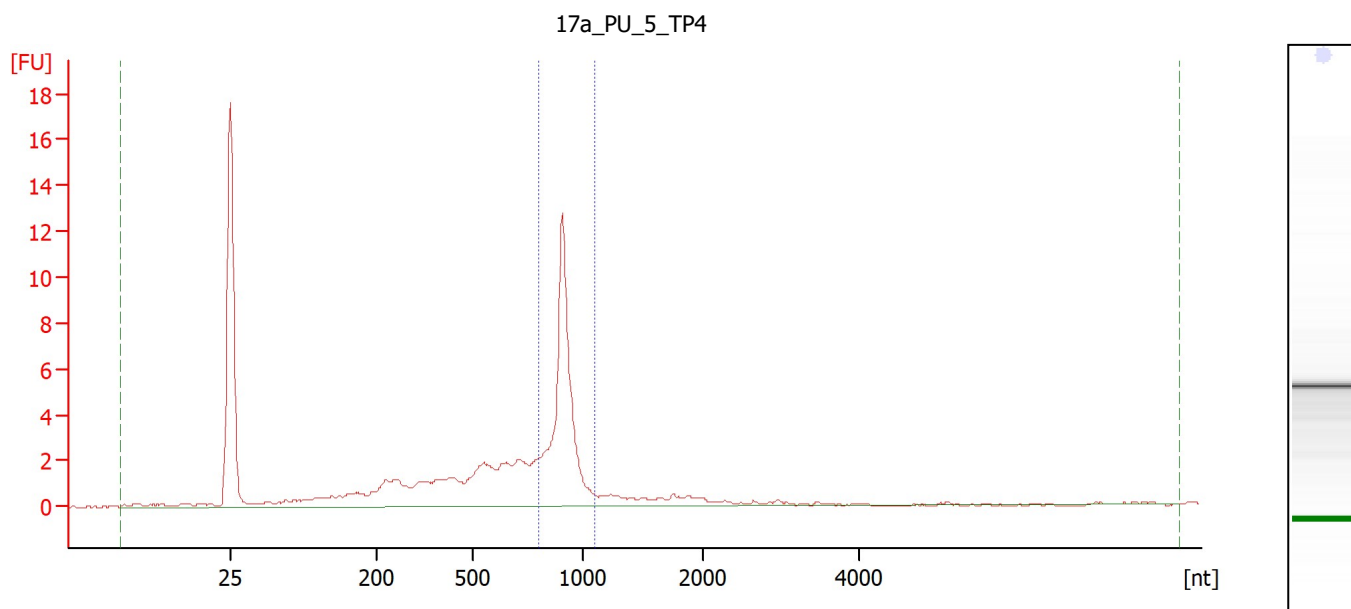
Region table for sample 4 : 17a PU 5 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	32.2	58	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 5 TP4

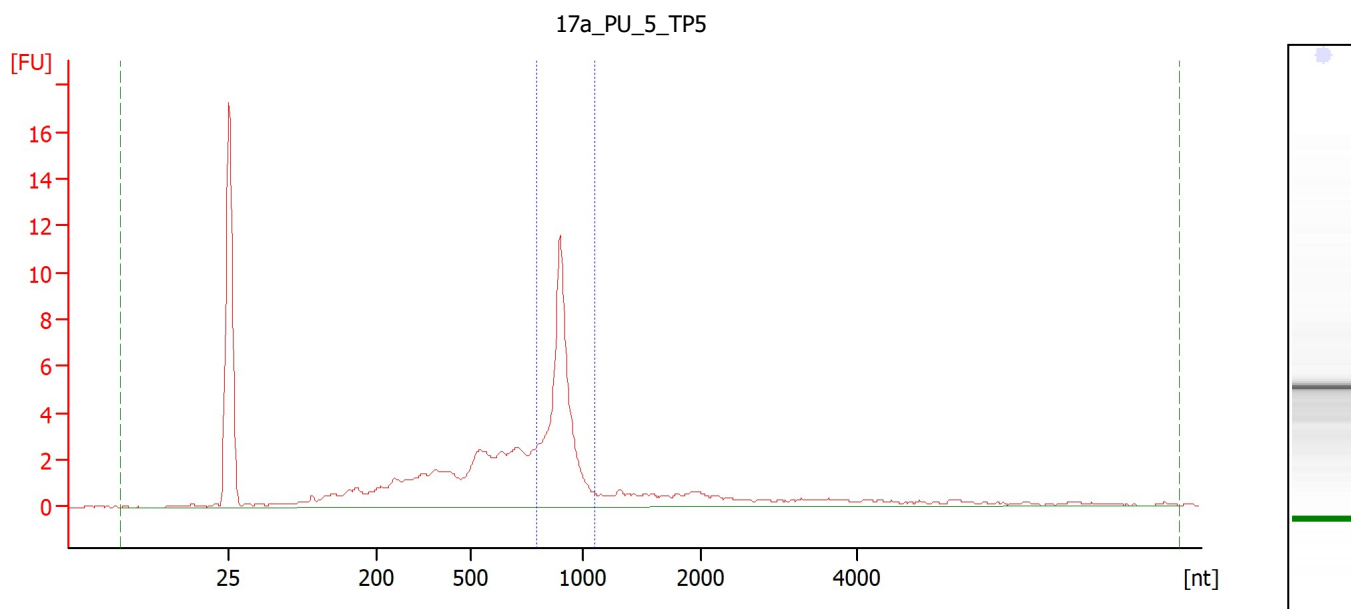
RNA Area:	68.0	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	25.3
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 5 : 17a PU 5 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	25.3	37	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 5 TP5**

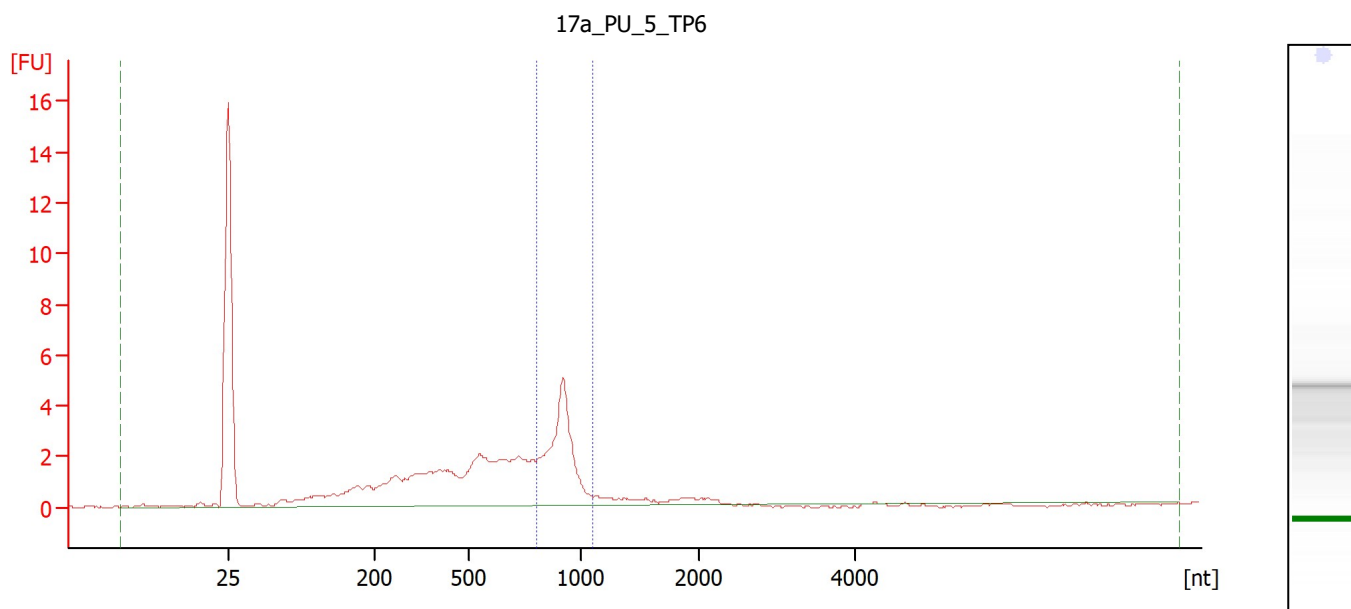
RNA Area:	83.7	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	26.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 6 : 17a PU 5 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	26.6	32	<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_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 5 TP6**

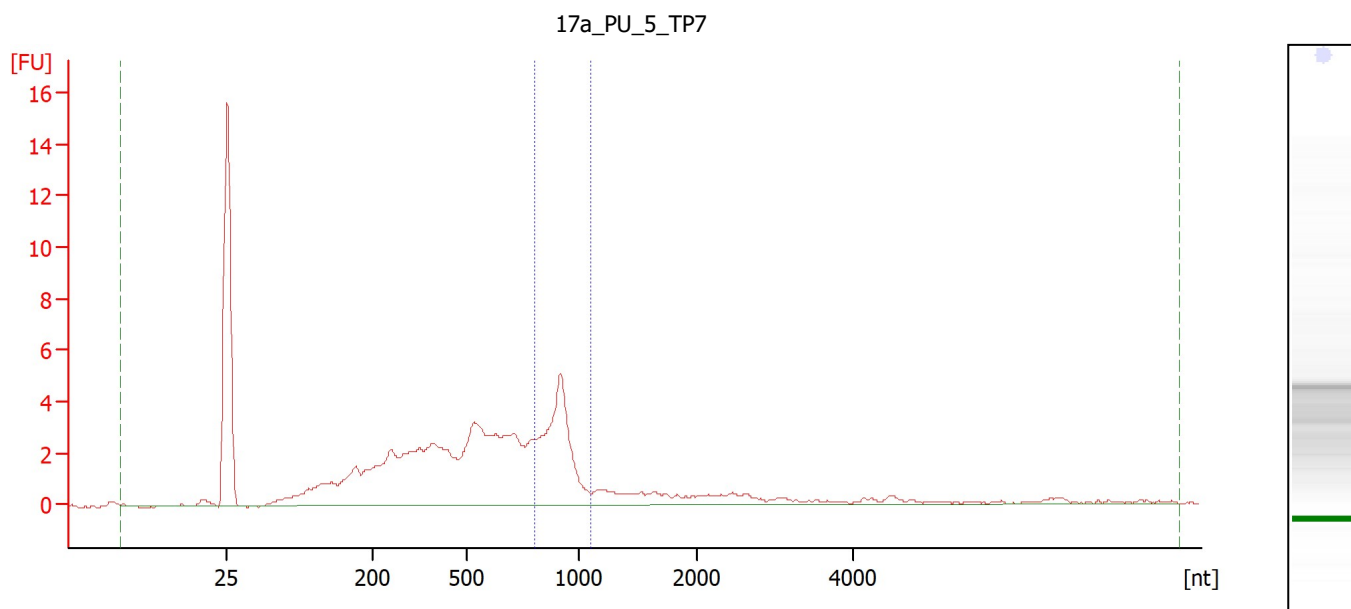
RNA Area:	56.4	Result Flagging Color:	
RNA Concentration:	29 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 5 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	14.8	26	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 5 TP7**

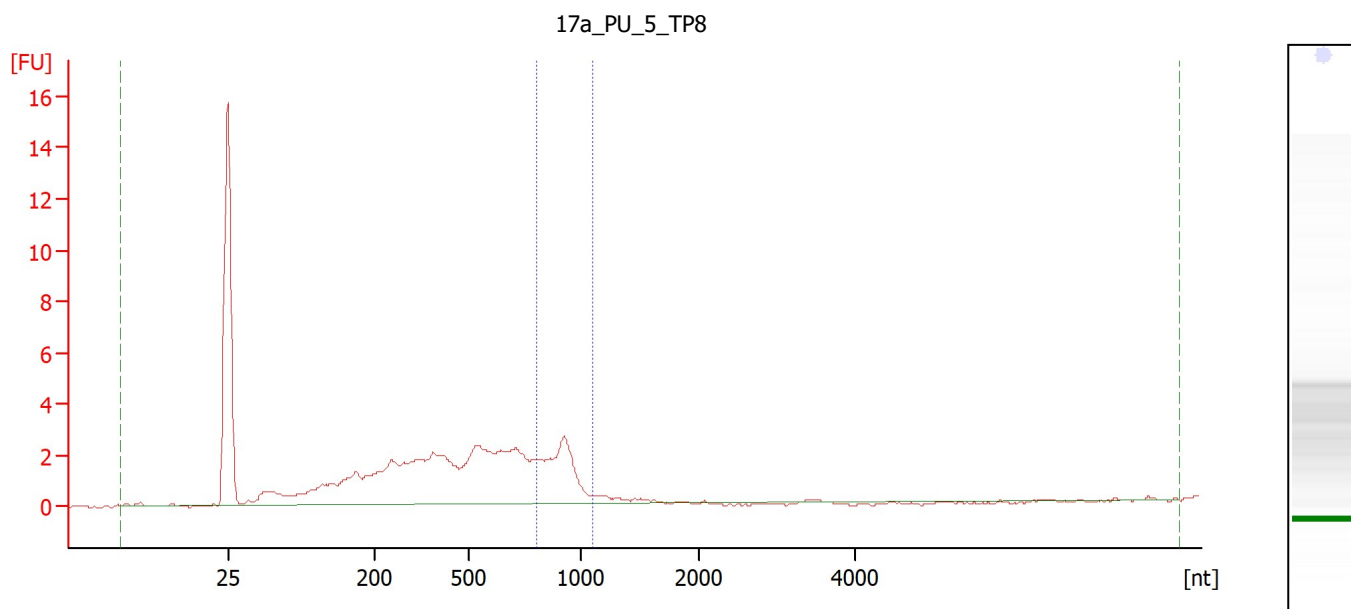
RNA Area:	86.8	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	16.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 8 : 17a PU 5 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	16.8	19	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 5 TP8**

RNA Area:	62.4	Result Flagging Color:	
RNA Concentration:	32 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.1
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

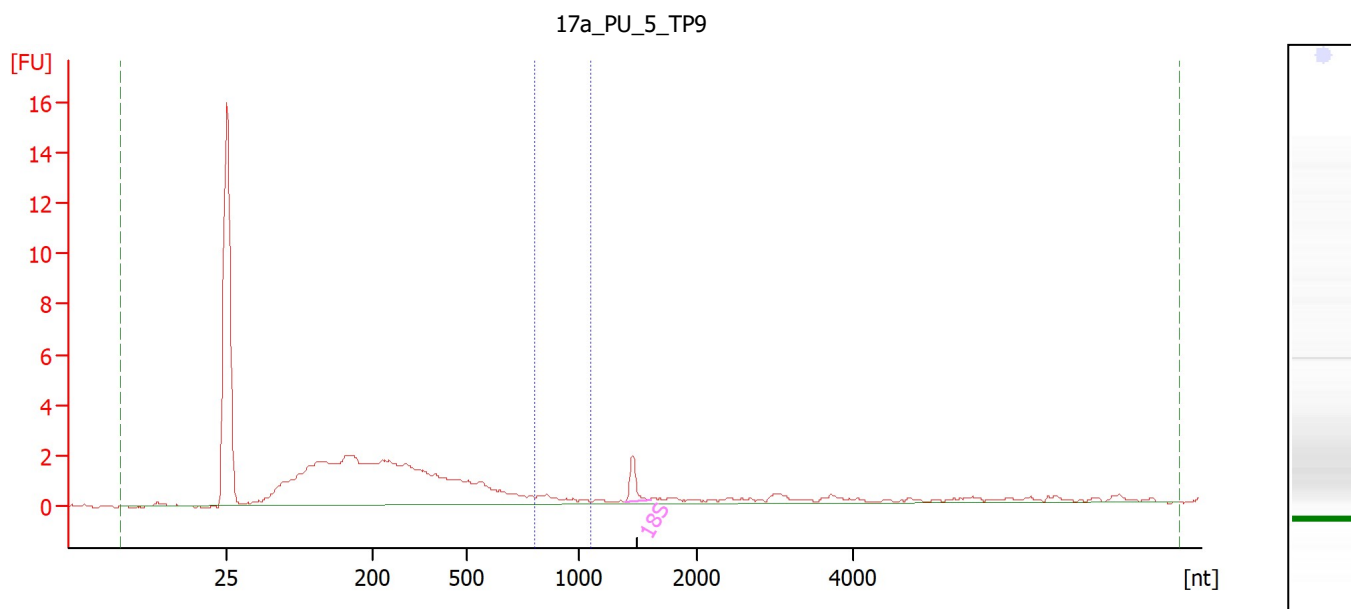
Region table for sample 9 : 17a PU 5 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	10.1	16	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
 Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 5 TP9

RNA Area:	57.8	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 5.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.6
RNA Integrity Number (RIN):	5.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 10 : 17a PU 5 TP9

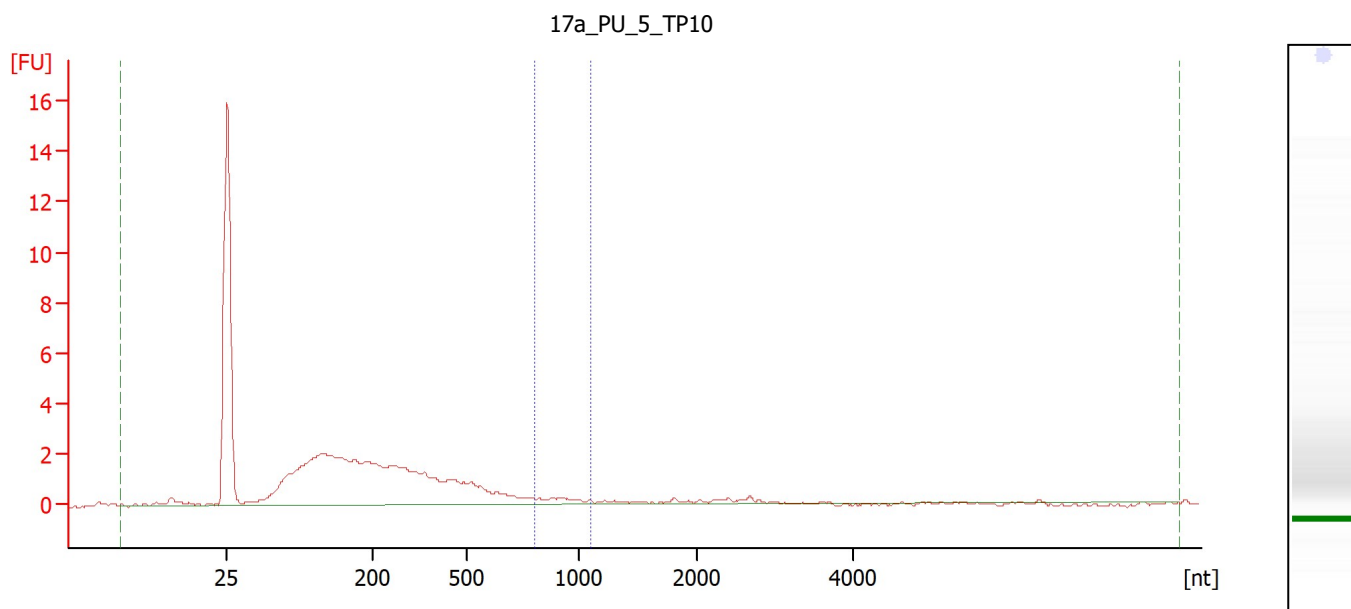
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,384	1,598	1.2	2.1


Region table for sample 10 : 17a PU 5 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.6	3	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a_PU_5_TP10**

RNA Area:	52.8	Result Flagging Color:	
RNA Concentration:	27 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.3
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a_PU_5_TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.3	2	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-51-15.xad

Created: 12/10/2020 11:51:14 AM
Modified: 12/10/2020 2:59:50 PM

Gel Image