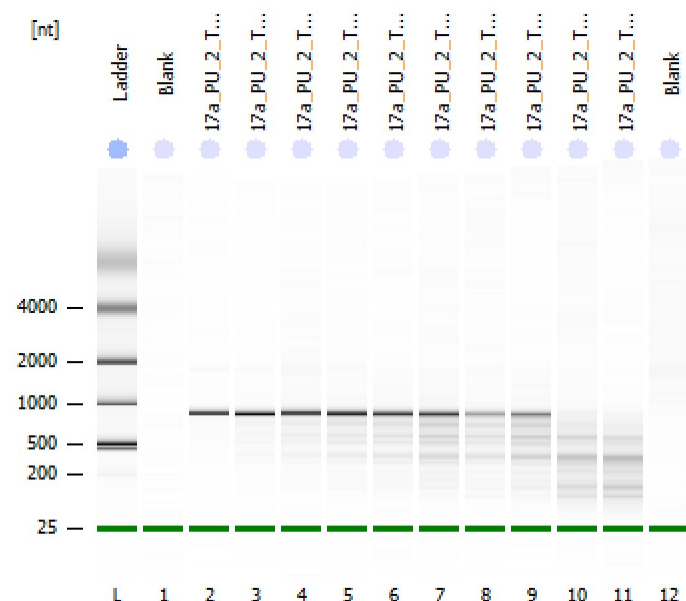


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electrophoresis File Run SummaryInstrument 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)

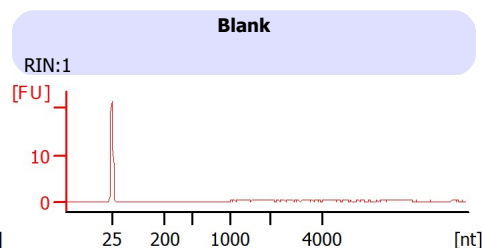
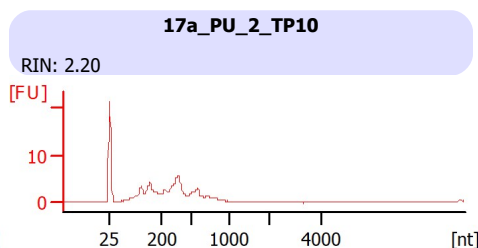
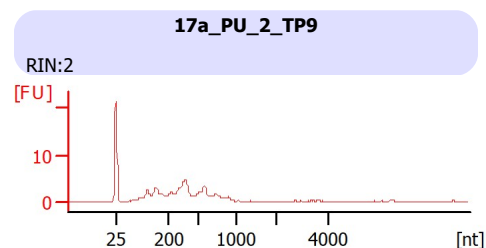
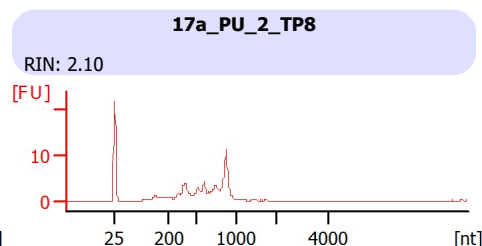
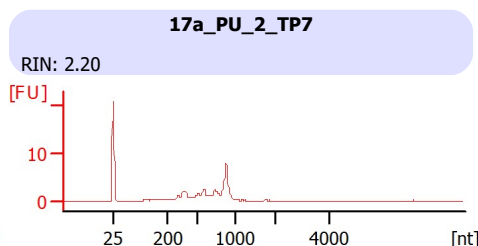
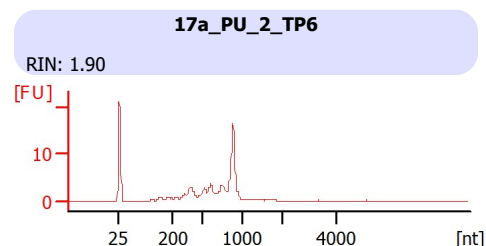
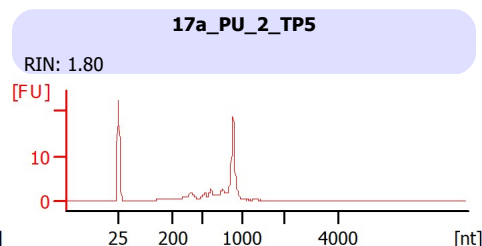
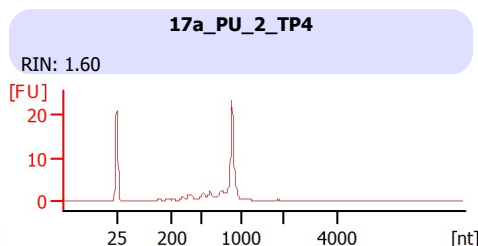
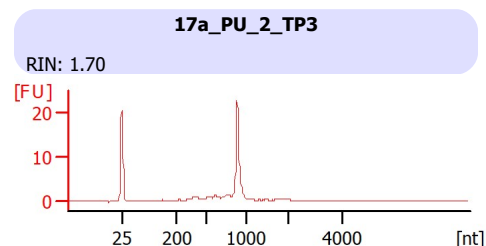
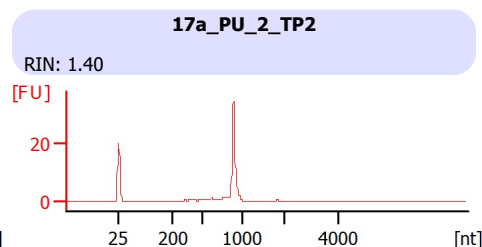
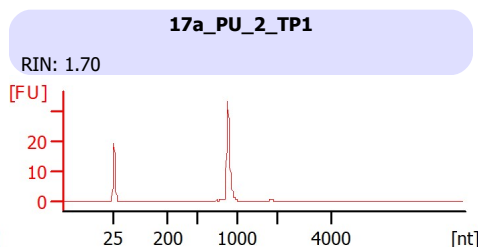
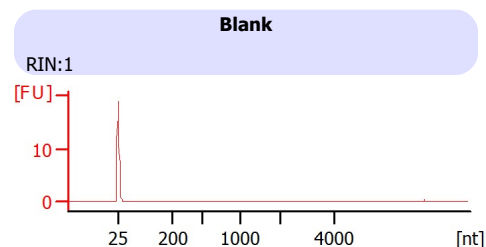
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Chip Information:

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_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_2_TP1		✓ RIN: 1.70	
17a_PU_2_TP2		✓ RIN: 1.40	
17a_PU_2_TP3		✓ RIN: 1.70	
17a_PU_2_TP4		✓ RIN: 1.60	
17a_PU_2_TP5		✓ RIN: 1.80	
17a_PU_2_TP6		✓ RIN: 1.90	
17a_PU_2_TP7		✓ RIN: 2.20	
17a_PU_2_TP8		✓ RIN: 2.10	
17a_PU_2_TP9		✓ RIN:2	
17a_PU_2_TP10		✓ RIN: 2.20	
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_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 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

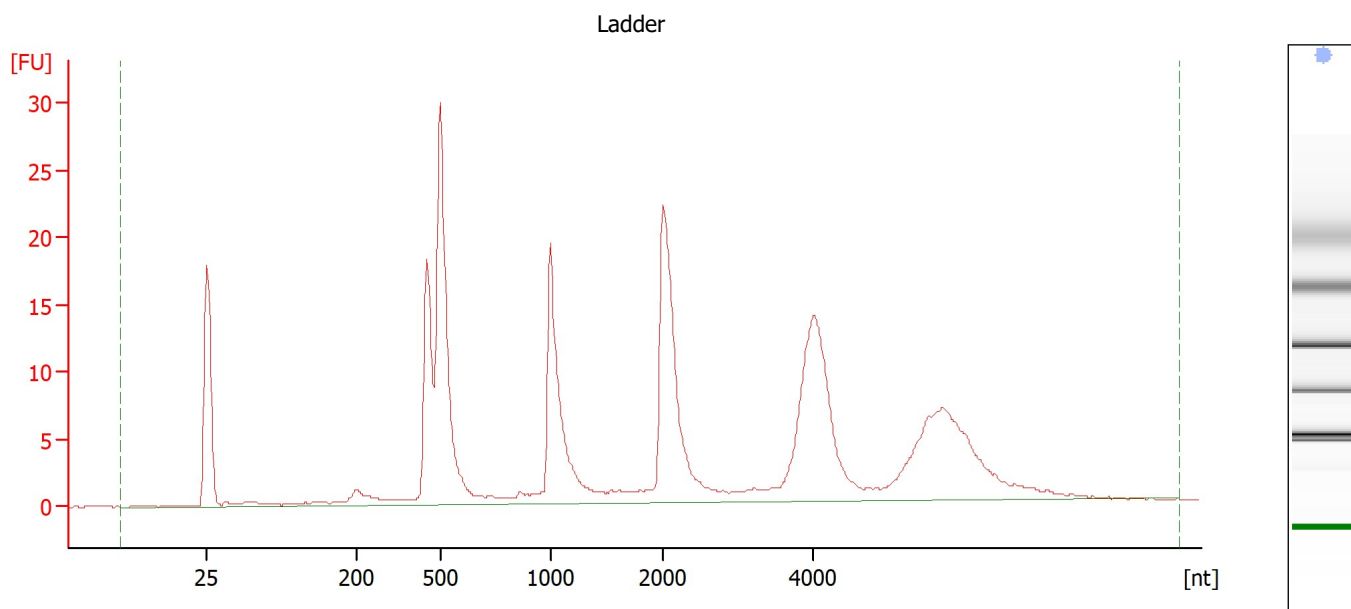
Ladder

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_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 253.4

Result Flagging Color:



RNA Concentration: 150 ng/μl

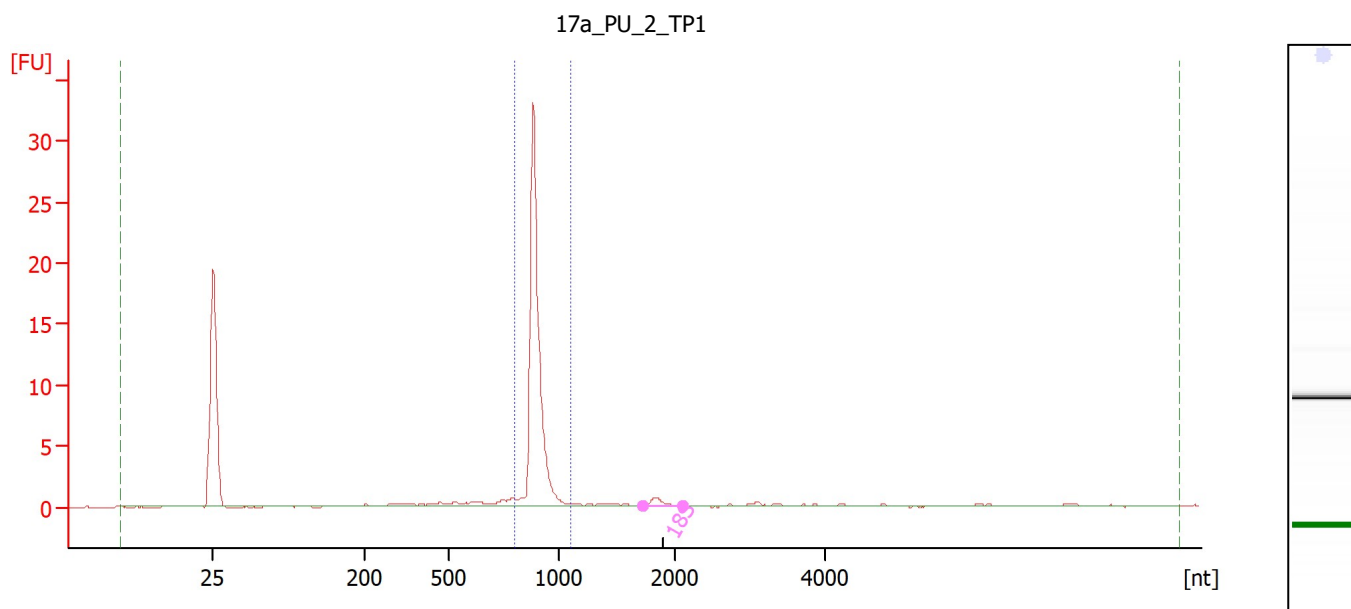
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 2 TP1

RNA Area:	51.5	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.5
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 2 TP1

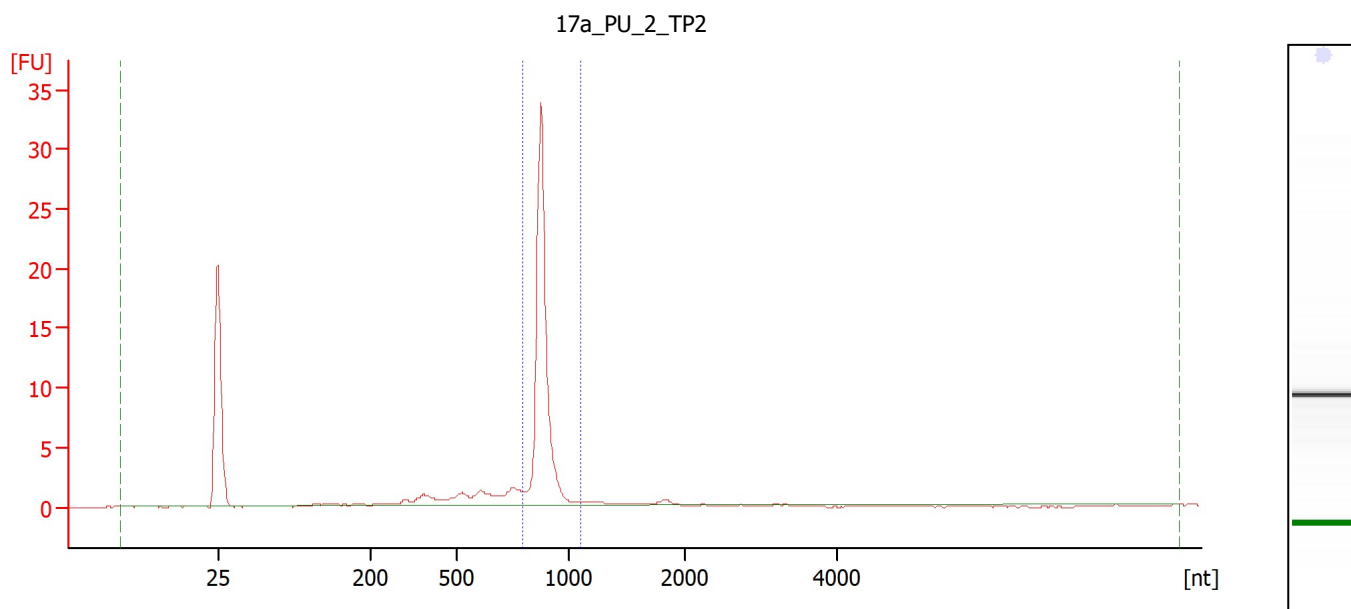
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,105	1.1	2.1

Region table for sample 2 : 17a PU 2 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.5	79	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 2 TP2**

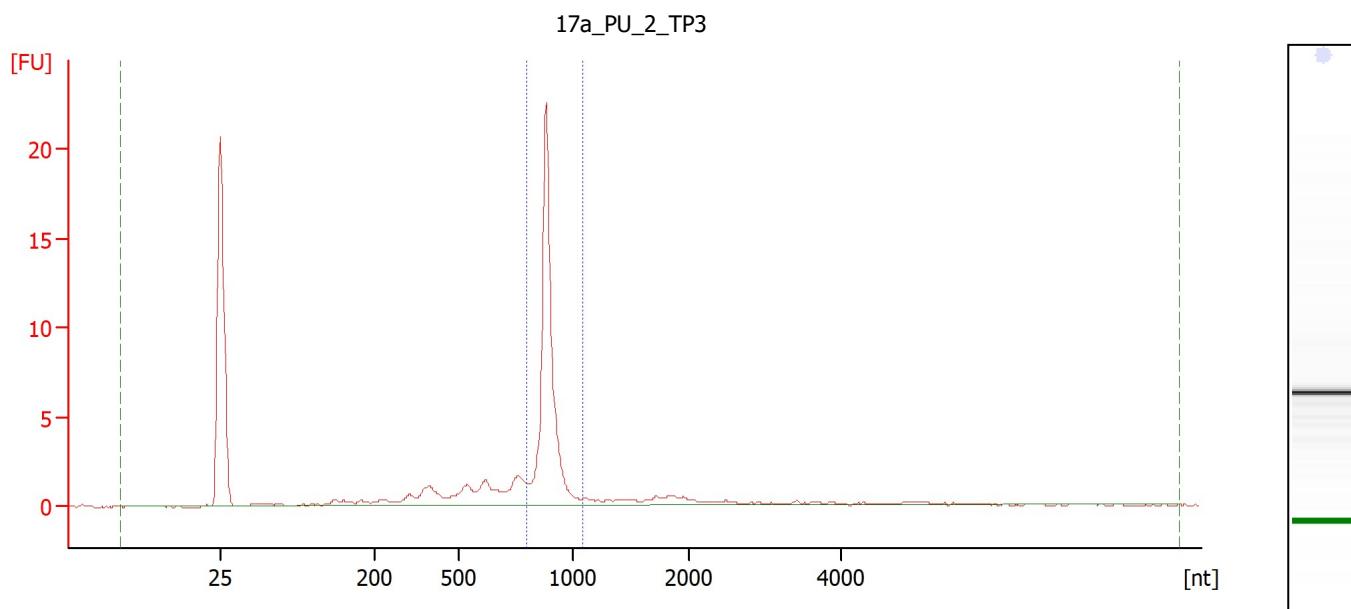
RNA Area:	59.8	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	43.9
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 3 : 17a PU 2 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	43.9	73	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 2 TP3**

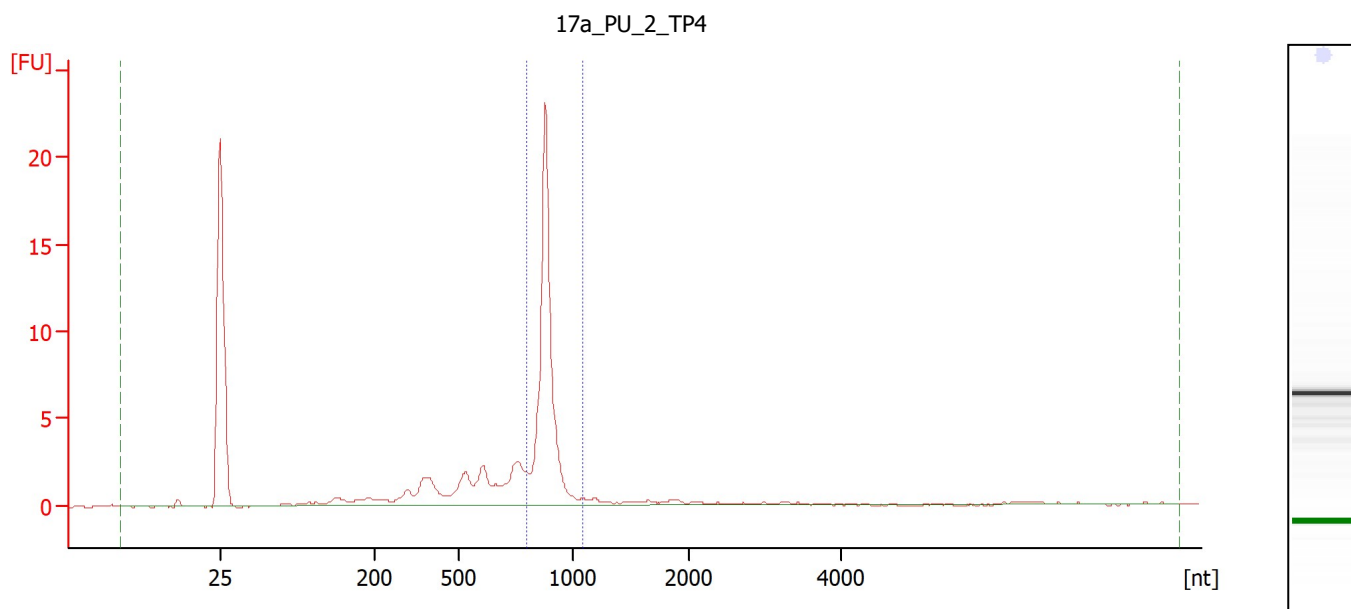
RNA Area:	57.3	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	32.0
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 4 : 17a PU 2 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	32.0	56	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 2 TP4**

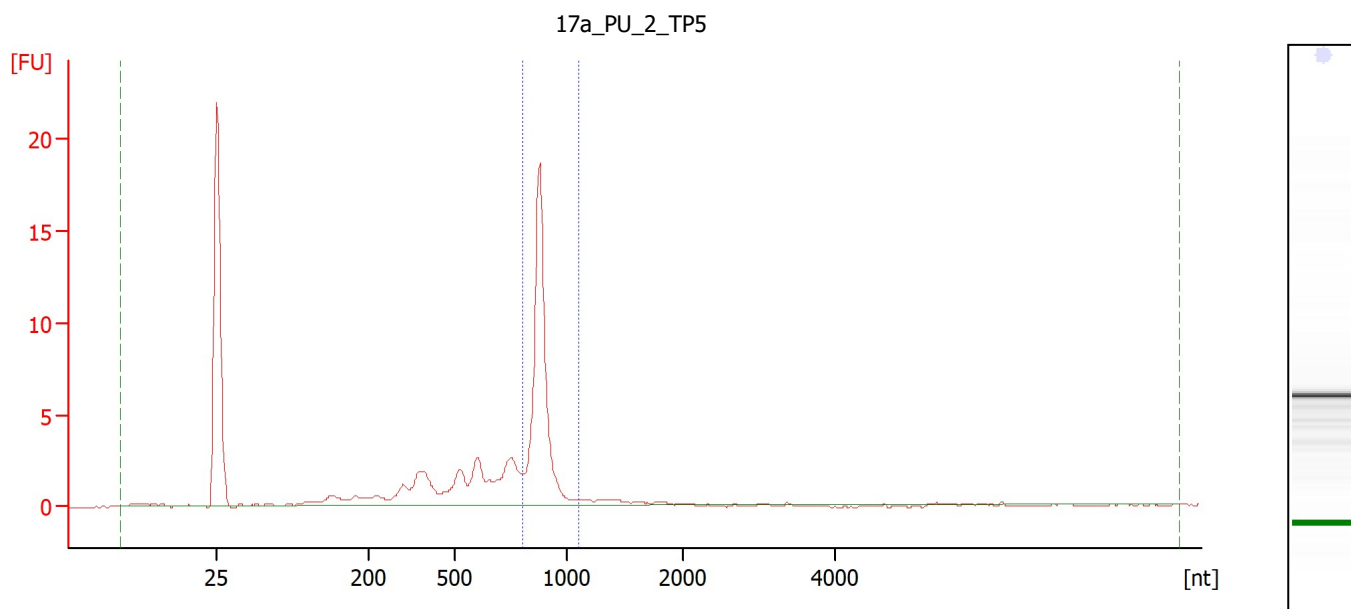
RNA Area:	67.7	Result Flagging Color:	
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.8
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 5 : 17a PU 2 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	34.8	51	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 2 TP5**

RNA Area:	63.3	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	29.0
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

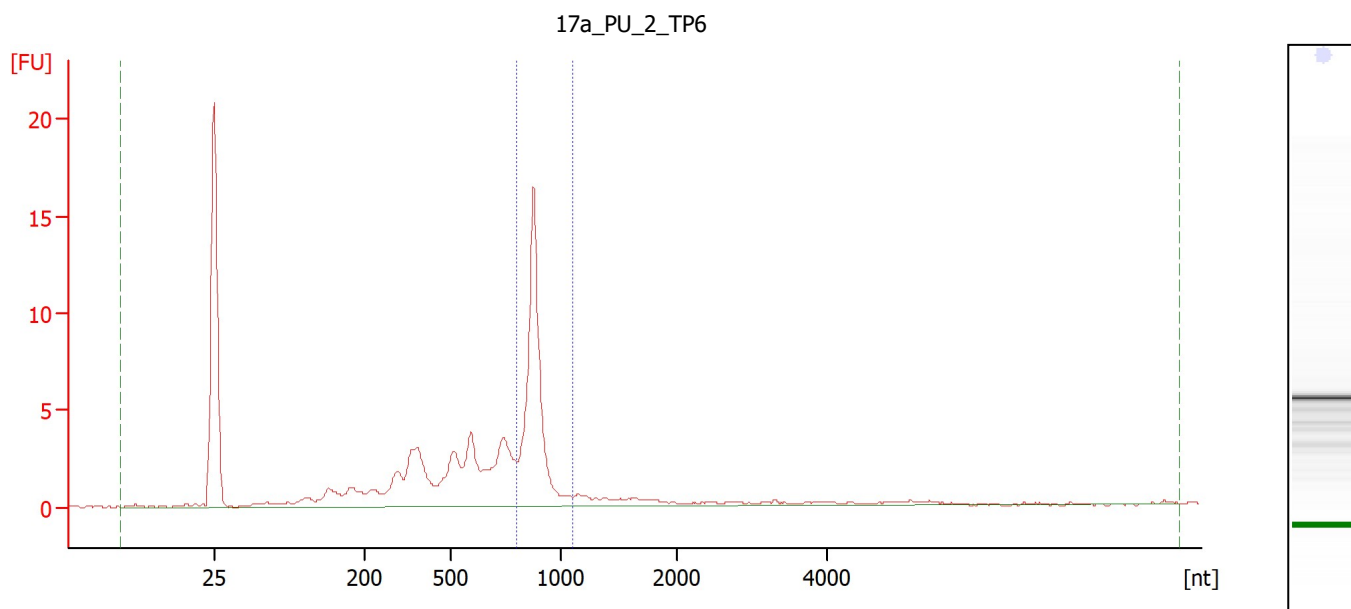
Region table for sample 6 : 17a PU 2 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	29.0	46	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 2 TP6

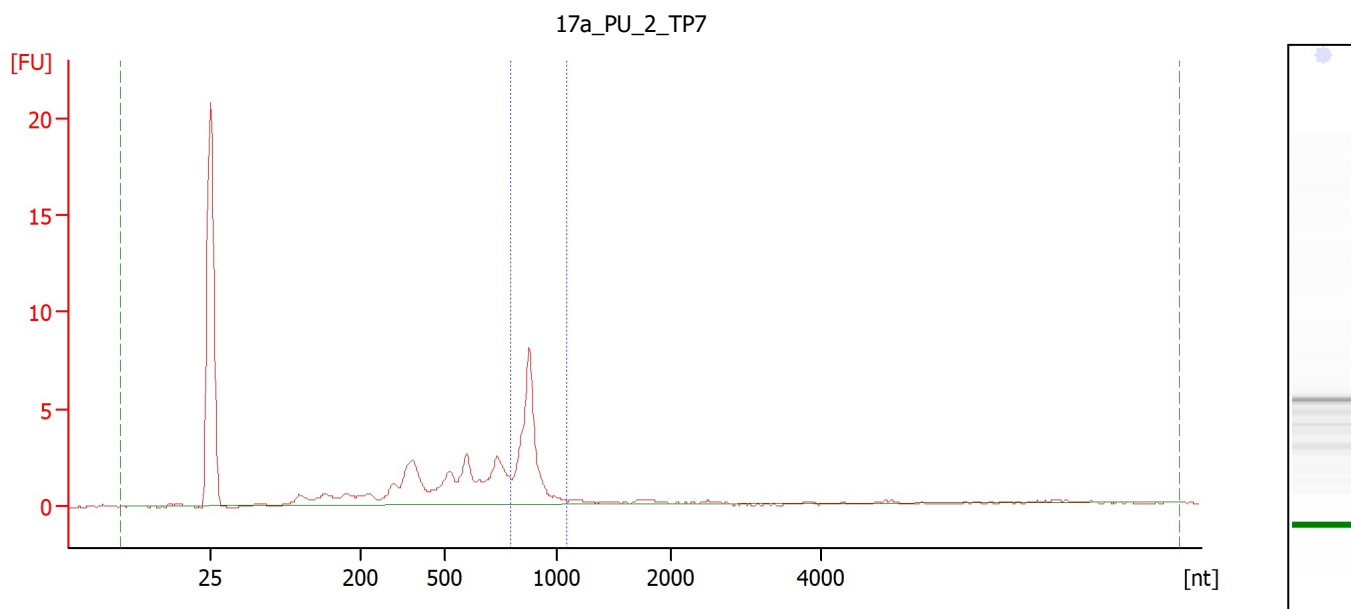
RNA Area:	83.5	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	28.5
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 2 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	28.5	34	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 2 TP7**

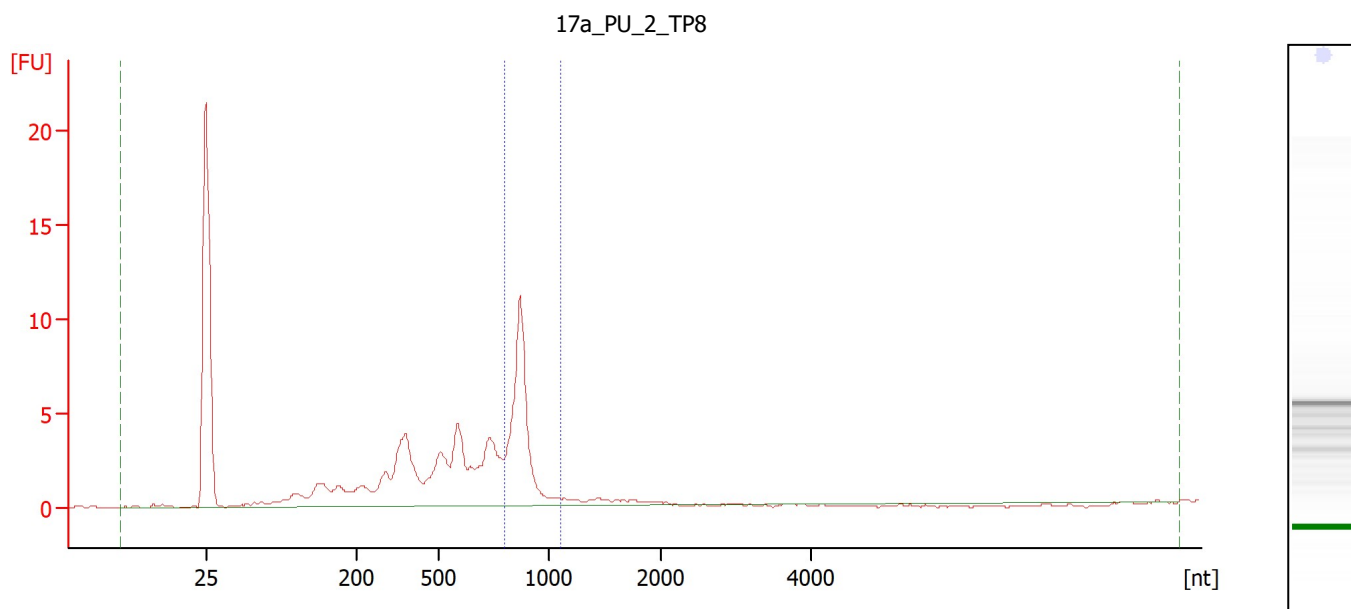
RNA Area:	50.8	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.3
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 8 : 17a PU 2 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	15.3	30	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 2 TP8**

RNA Area:	82.9	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	22.1
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

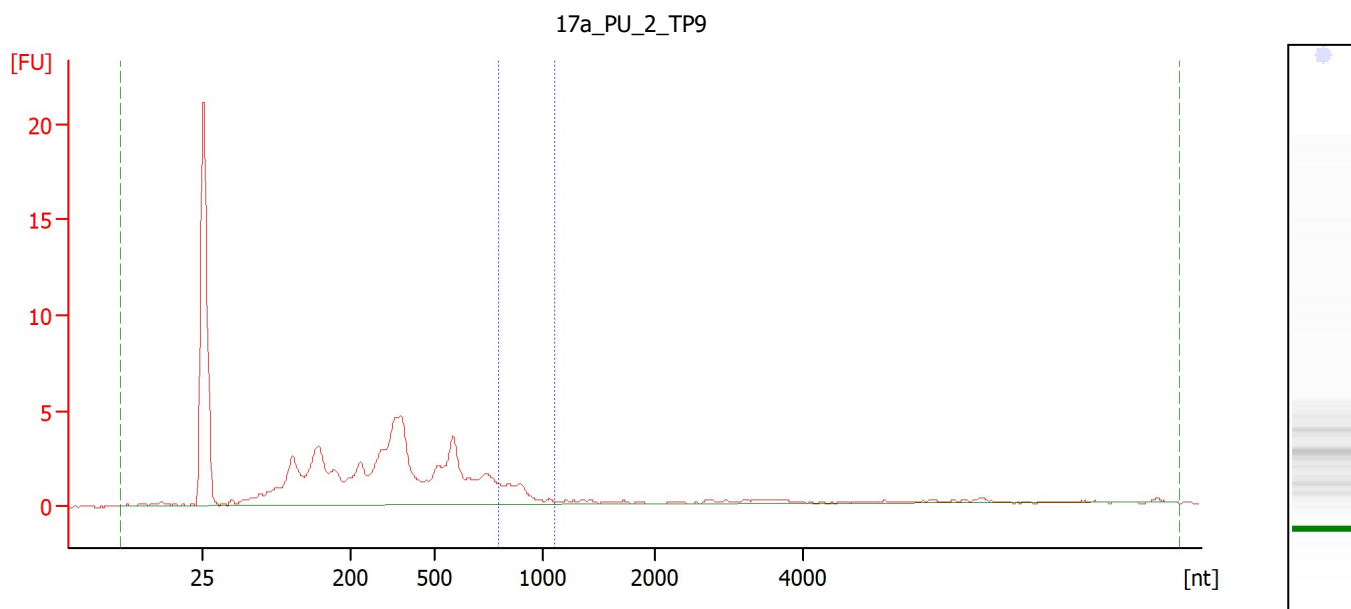
Region table for sample 9 : 17a PU 2 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	22.1	27	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_2_TP9

RNA Area:	79.5	Result Flagging Color:	
RNA Concentration:	47 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	4.4
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

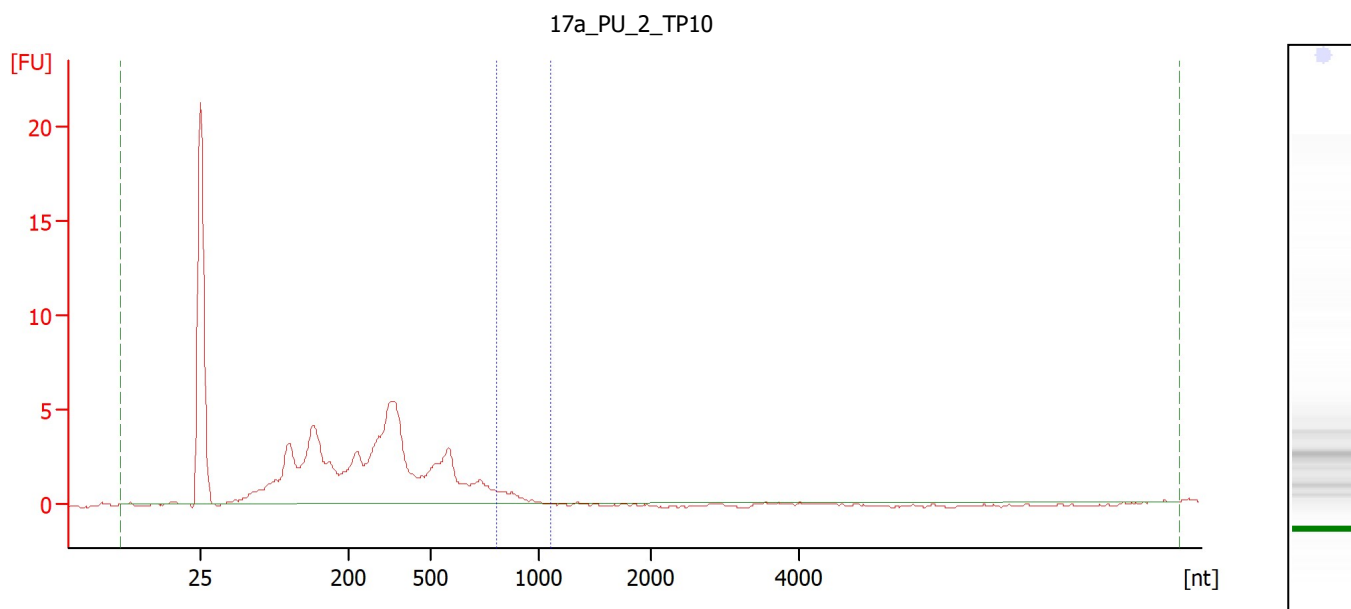
Region table for sample 10 : 17a_PU_2_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	4.4	5	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
 Modified: 12/10/2020 2:56:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a_PU_2_TP10

RNA Area:	81.6	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	2.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a_PU_2_TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	2.0	2	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-47-43.xad

Created: 12/10/2020 7:47:42 AM
Modified: 12/10/2020 2:56:39 PM

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