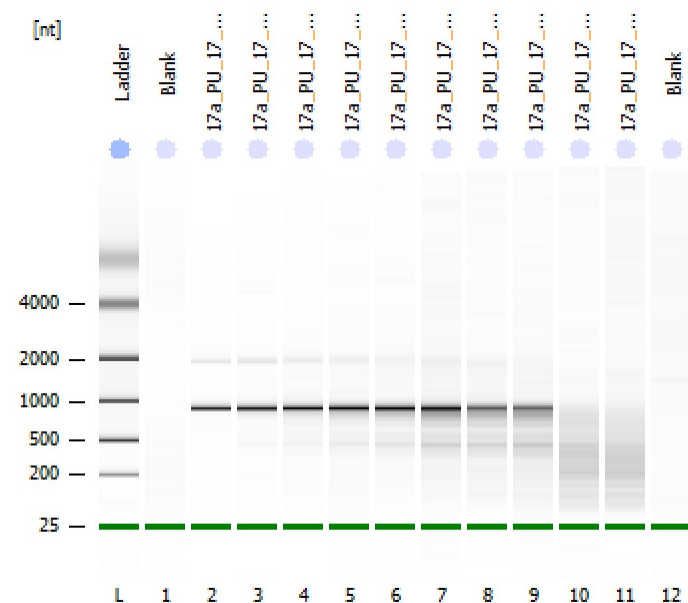


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
Modified: 12/11/2020 10:20:19 AM

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)

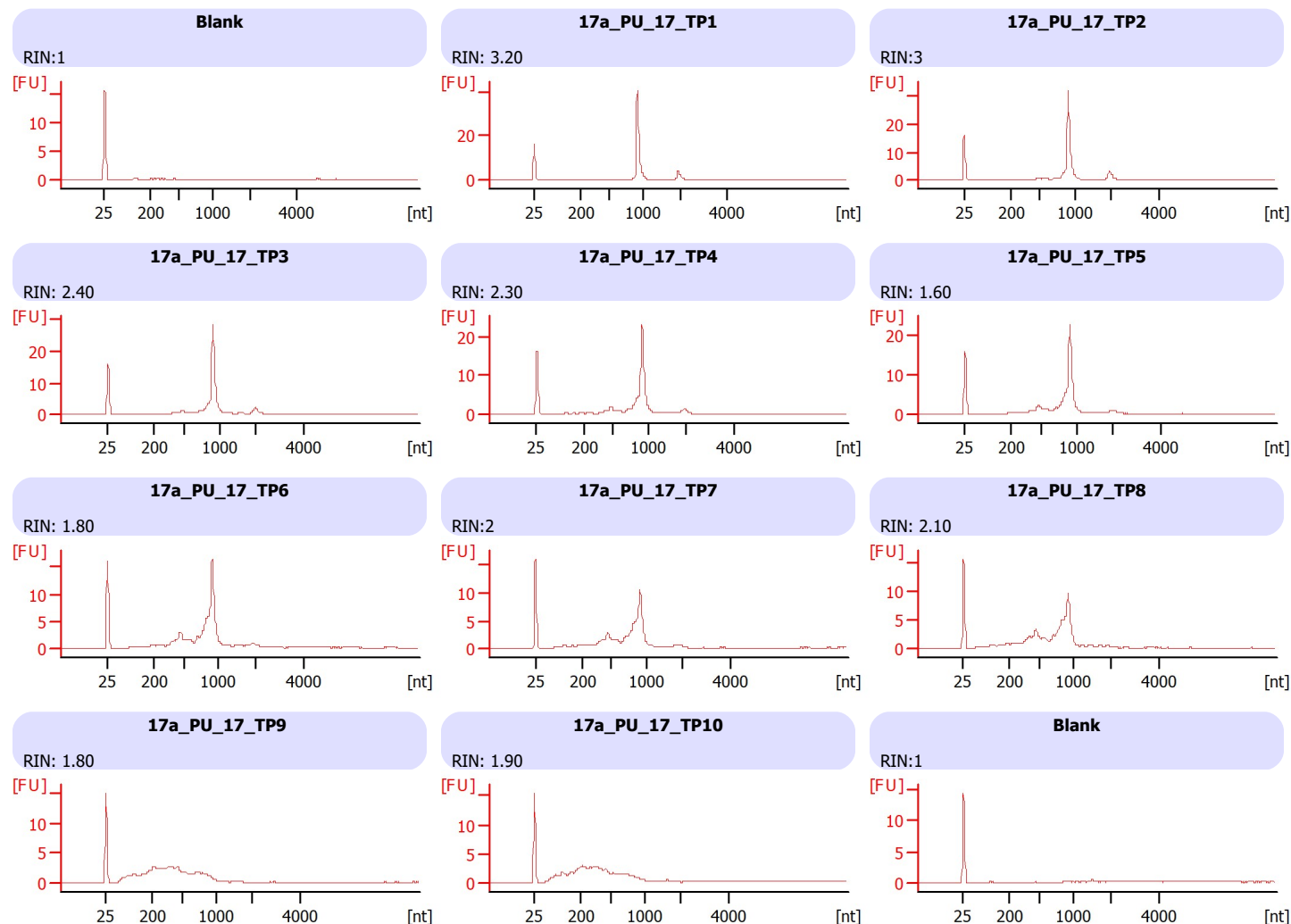
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
Modified: 12/11/2020 10:20:19 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_17_TP1		✓ RIN: 3.20	
17a_PU_17_TP2		✓ RIN:3	
17a_PU_17_TP3		✓ RIN: 2.40	
17a_PU_17_TP4		✓ RIN: 2.30	
17a_PU_17_TP5		✓ RIN: 1.60	
17a_PU_17_TP6		✓ RIN: 1.80	
17a_PU_17_TP7		✓ RIN:2	
17a_PU_17_TP8		✓ RIN: 2.10	
17a_PU_17_TP9		✓ RIN: 1.80	
17a_PU_17_TP10		✓ RIN: 1.90	
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_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
Modified: 12/11/2020 10:20:19 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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

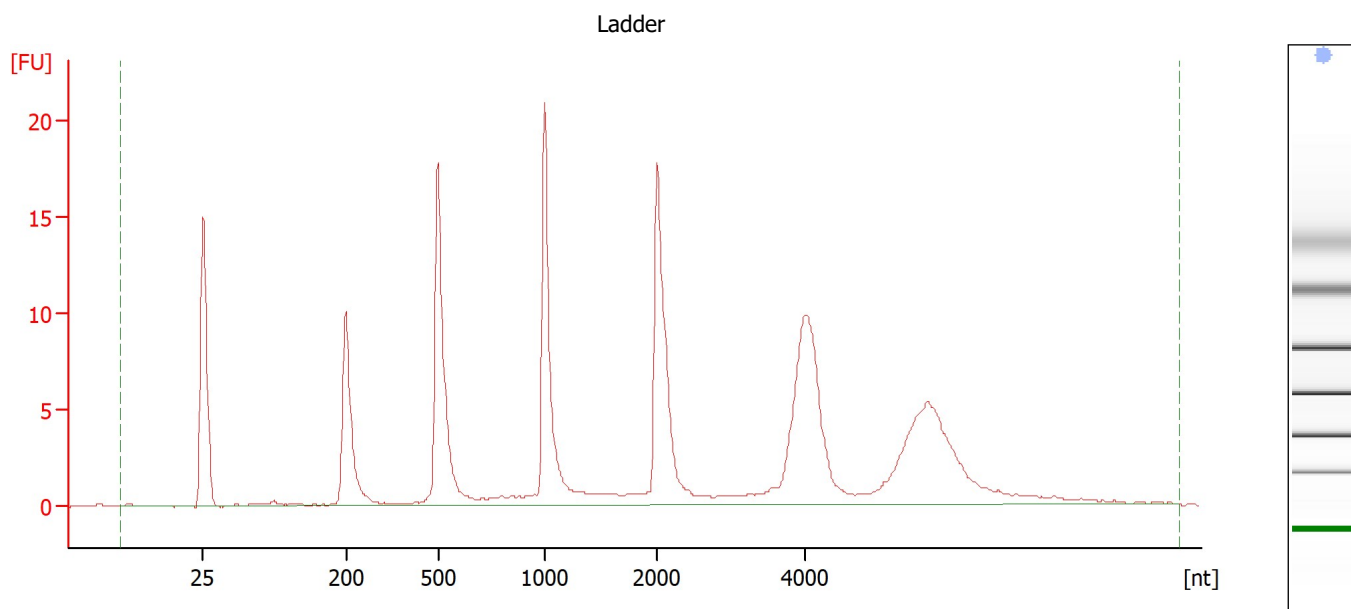
Ladder

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_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 159.2

Result Flagging Color:



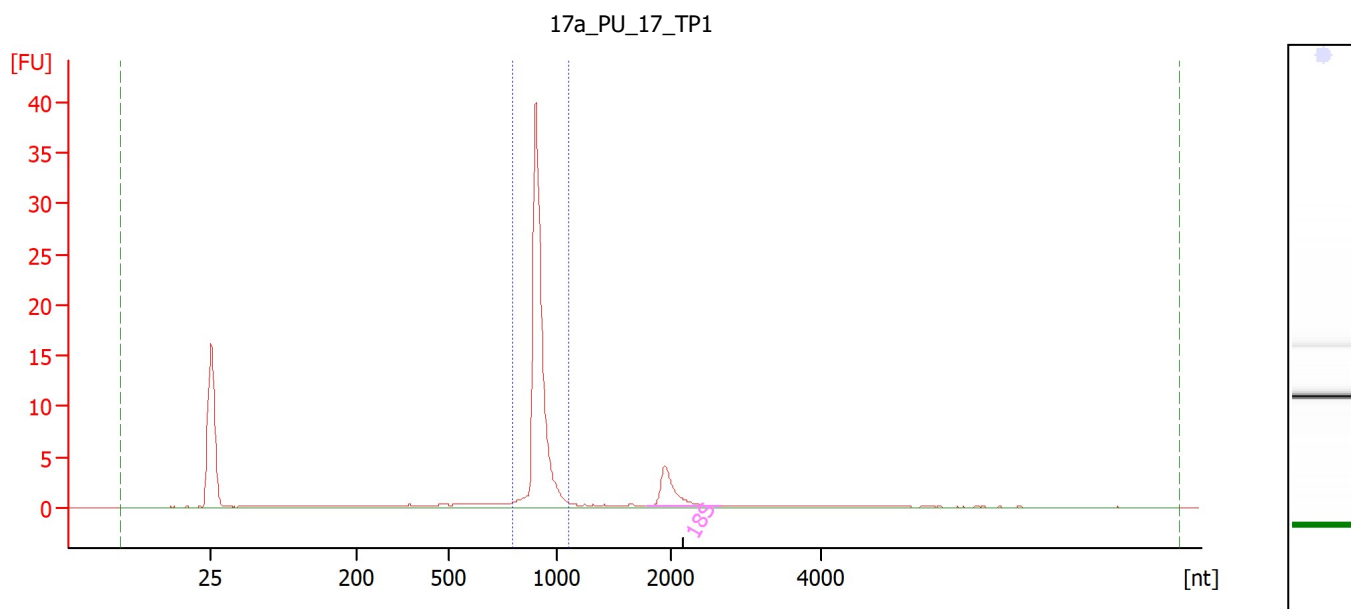
RNA Concentration: 150 ng/μl

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_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

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

RNA Area:	76.3	Result Flagging Color:	
RNA Concentration:	72 ng/μl	Result Flagging Label:	RIN: 3.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	51.4
RNA Integrity Number (RIN):	3.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 17 TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,792	2,665	6.2	8.1

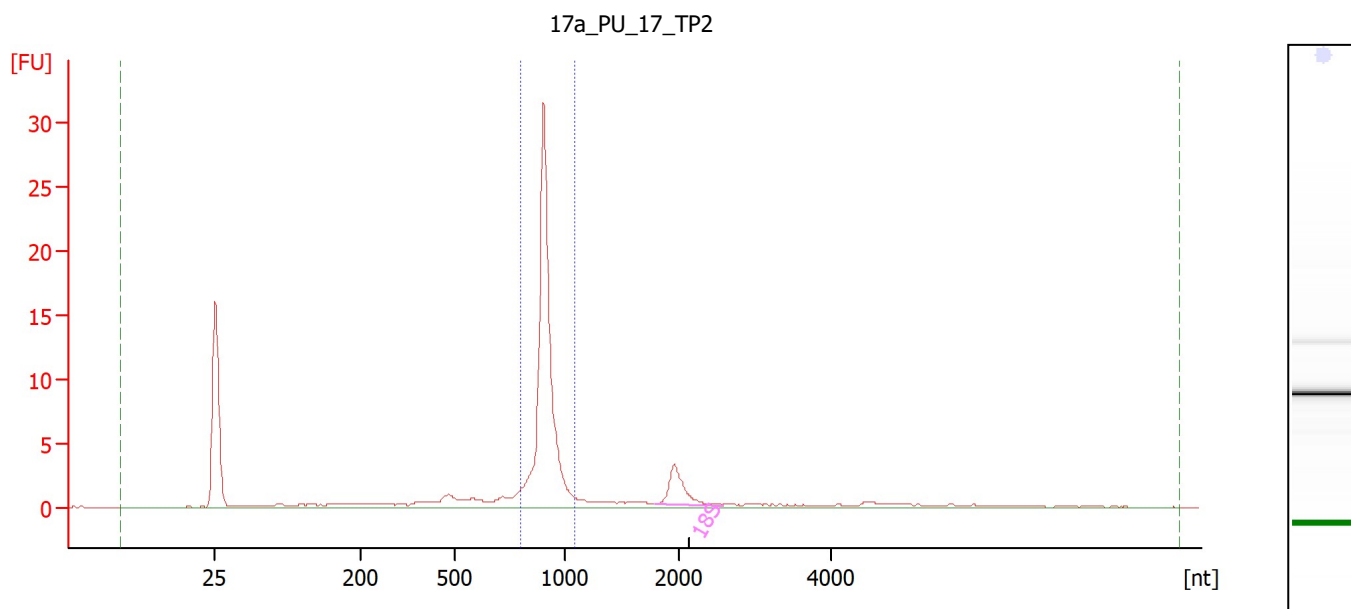
Region table for sample 2 : 17a PU 17 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	51.4	67	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 17 TP2

RNA Area:	82.6	Result Flagging Color:	
RNA Concentration:	78 ng/μl	Result Flagging Label:	RIN:3
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	49.4
RNA Integrity Number (RIN):	3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 17 TP2

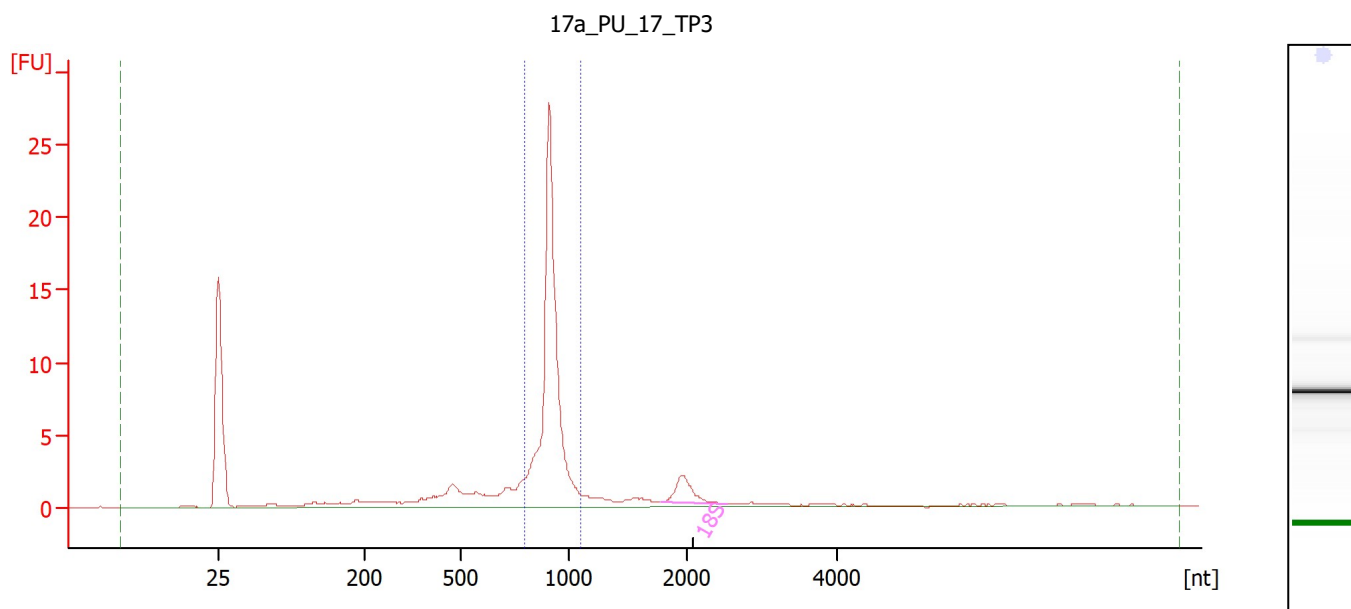
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,787	2,566	5.5	6.6

Region table for sample 3 : 17a PU 17 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	49.4	60	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

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

RNA Area:	81.4	Result Flagging Color:	
RNA Concentration:	77 ng/μl	Result Flagging Label:	RIN: 2.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	47.2
RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 17 TP3

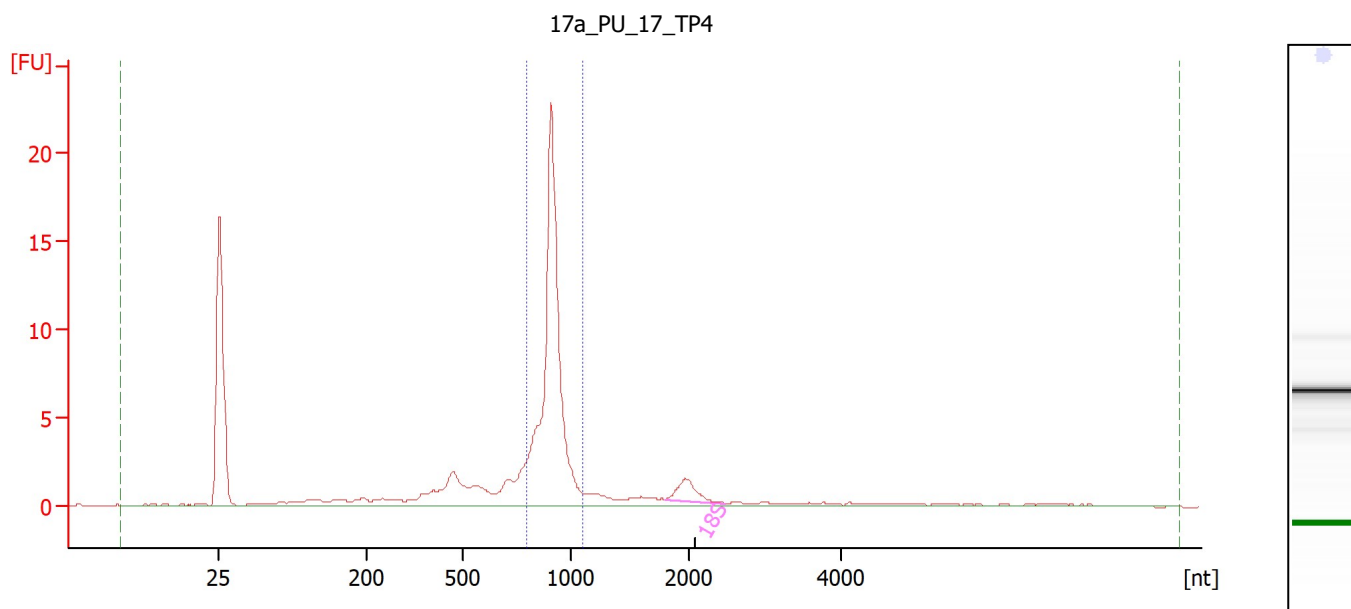
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,782	2,552	3.7	4.6

Region table for sample 4 : 17a PU 17 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	47.2	58	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

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

RNA Area:	78.9	Result Flagging Color:	
RNA Concentration:	74 ng/μl	Result Flagging Label:	RIN: 2.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	44.0
RNA Integrity Number (RIN):	2.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 17 TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,802	2,482	2.7	3.4

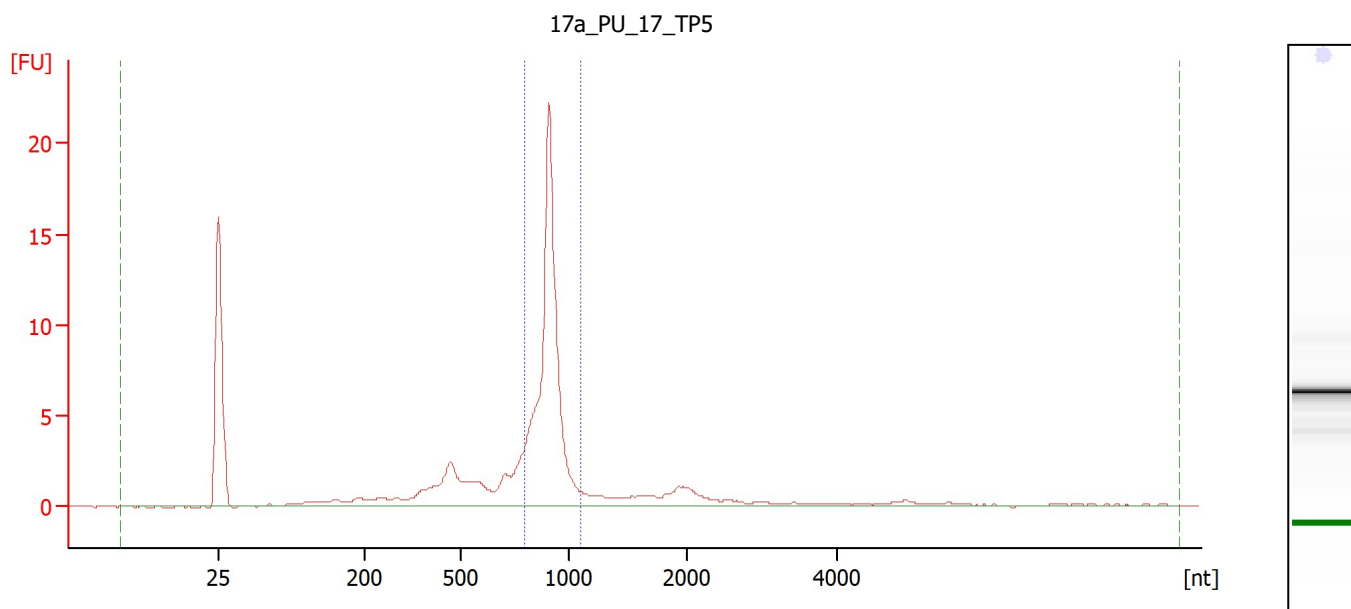
Region table for sample 5 : 17a PU 17 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	44.0	56	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 17 TP5

RNA Area:	85.8	Result Flagging Color:	
RNA Concentration:	81 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.7
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

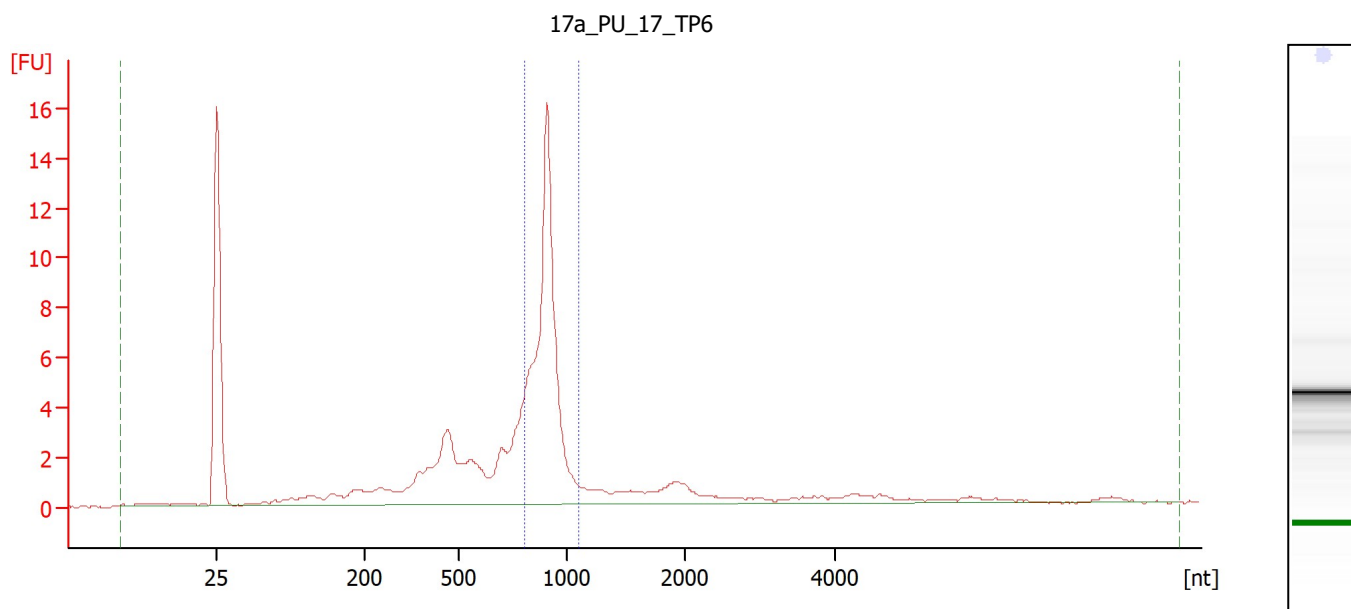
Region table for sample 6 : 17a PU 17 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	45.7	53	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 17 TP6

RNA Area:	90.4	Result Flagging Color:	
RNA Concentration:	85 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.9
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

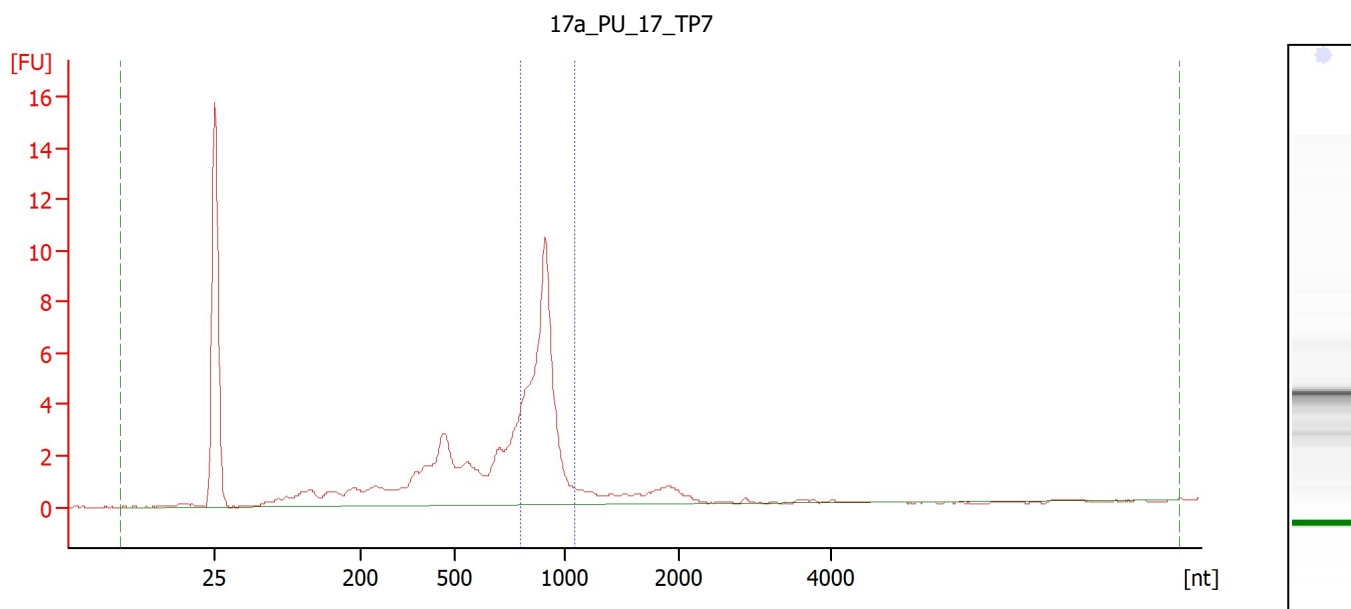
Region table for sample 7 : 17a PU 17 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.9	43	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a PU 17 TP7

RNA Area:	72.3	Result Flagging Color:	
RNA Concentration:	68 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	29.3
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

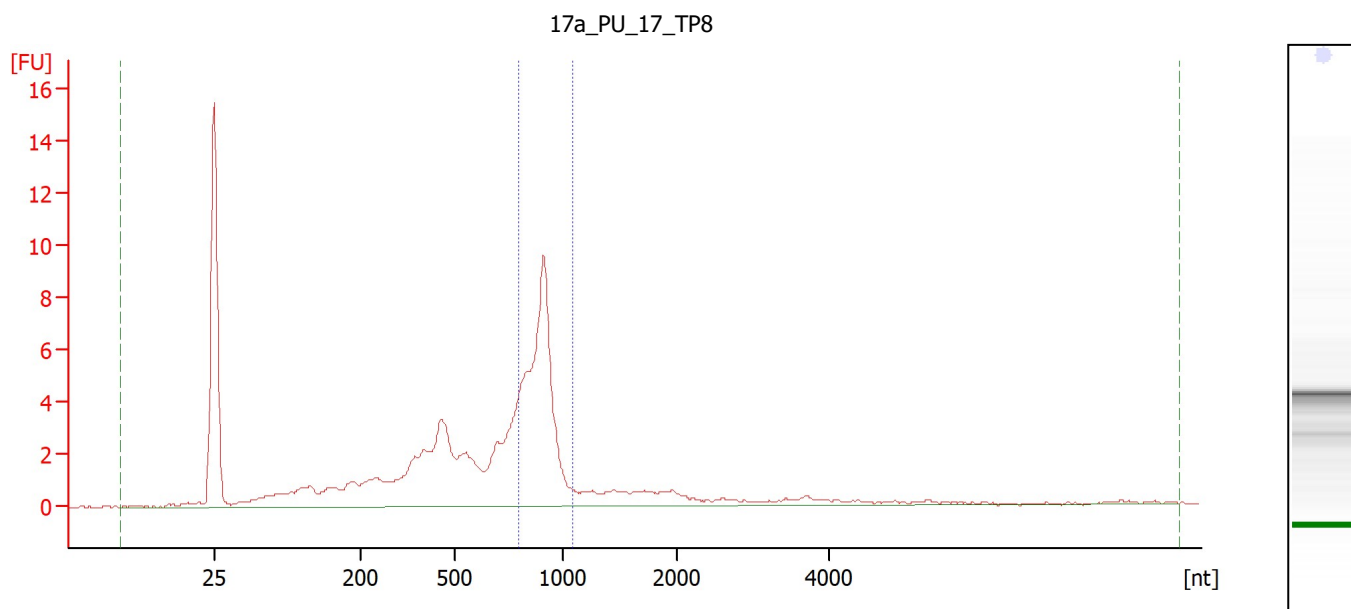
Region table for sample 8 : 17a PU 17 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	29.3	41	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 17 TP8

RNA Area:	90.8	Result Flagging Color:	
RNA Concentration:	86 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	29.8
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

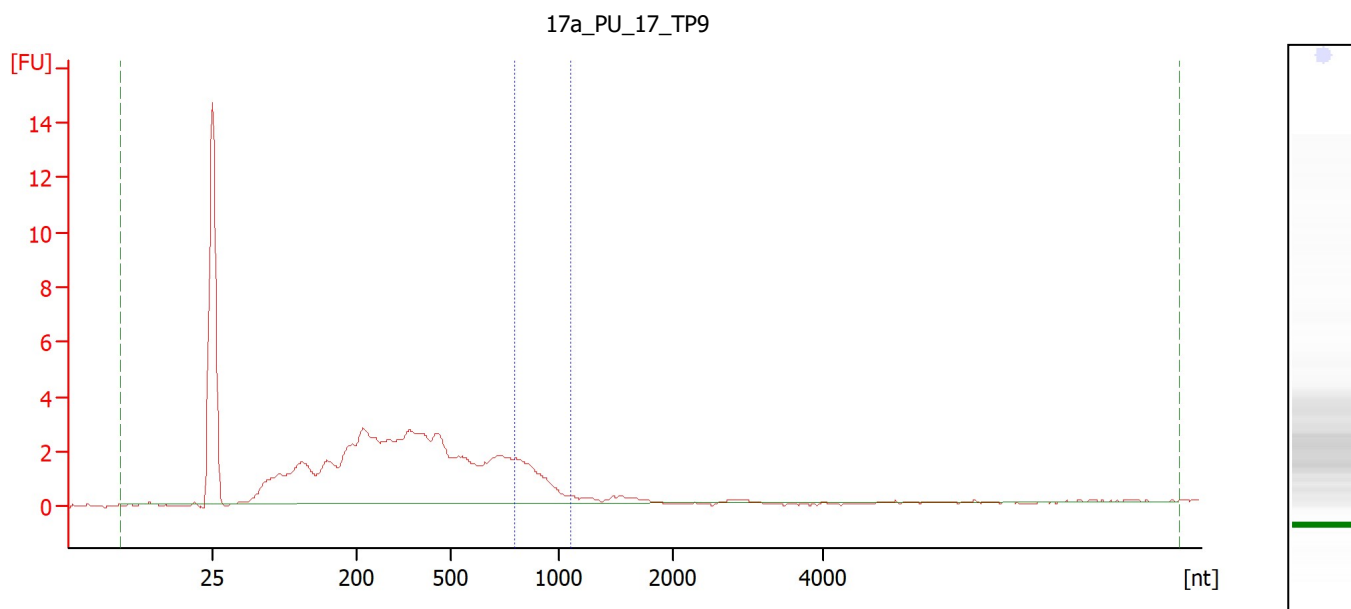
Region table for sample 9 : 17a PU 17 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	29.8	33	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_17_TP9

RNA Area:	76.5	Result Flagging Color:	
RNA Concentration:	72 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.5
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

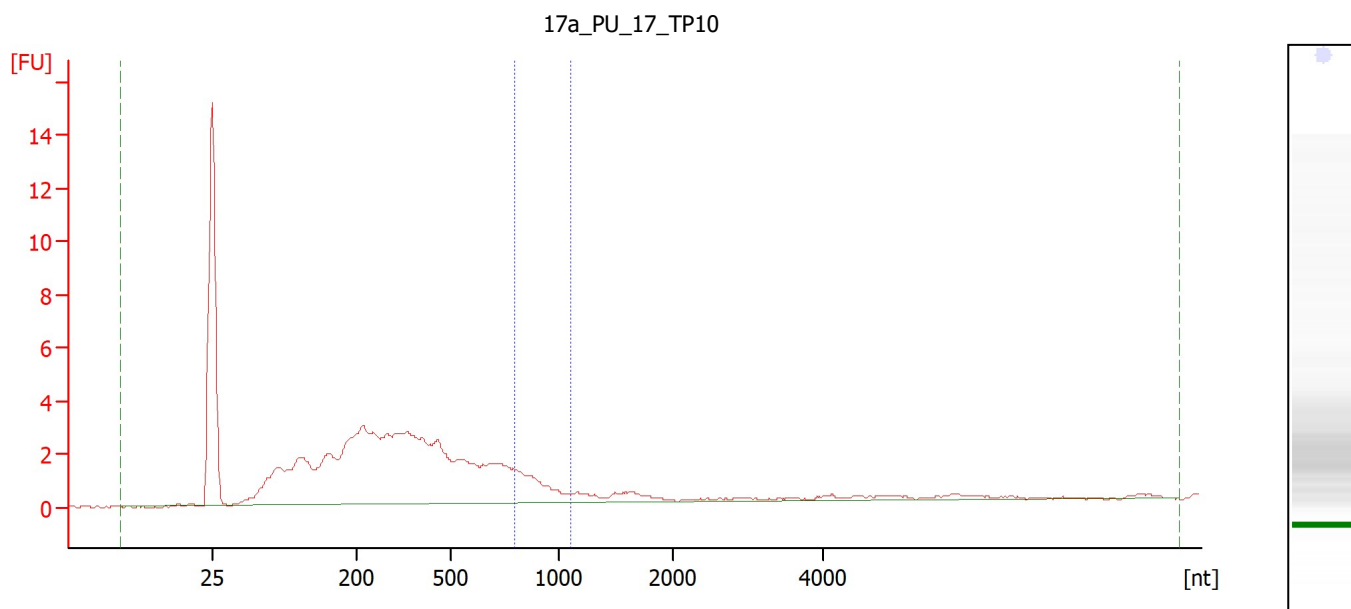
Region table for sample 10 : 17a_PU_17_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	6.5	9	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
 Modified: 12/11/2020 10:20:19 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 17 TP10

RNA Area:	86.9	Result Flagging Color:	
RNA Concentration:	82 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.1
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 17 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.1	6	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_07-40-22.xad

Created: 12/11/2020 7:40:22 AM
Modified: 12/11/2020 10:20:19 AM

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