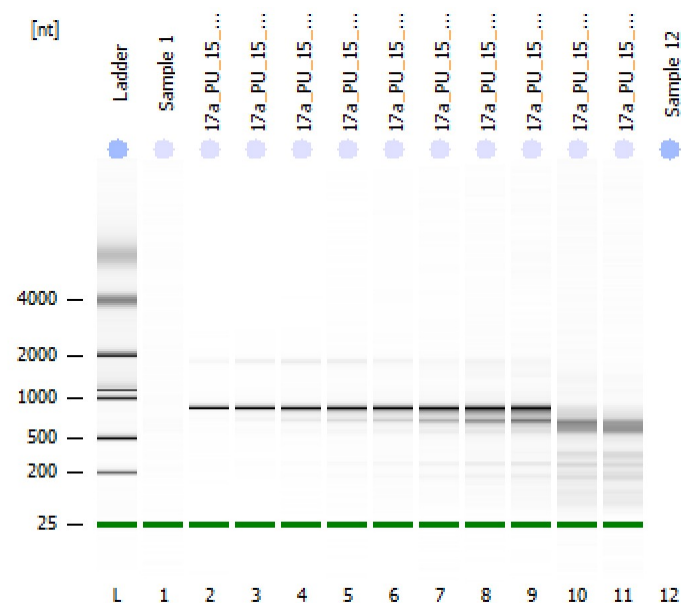


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 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)

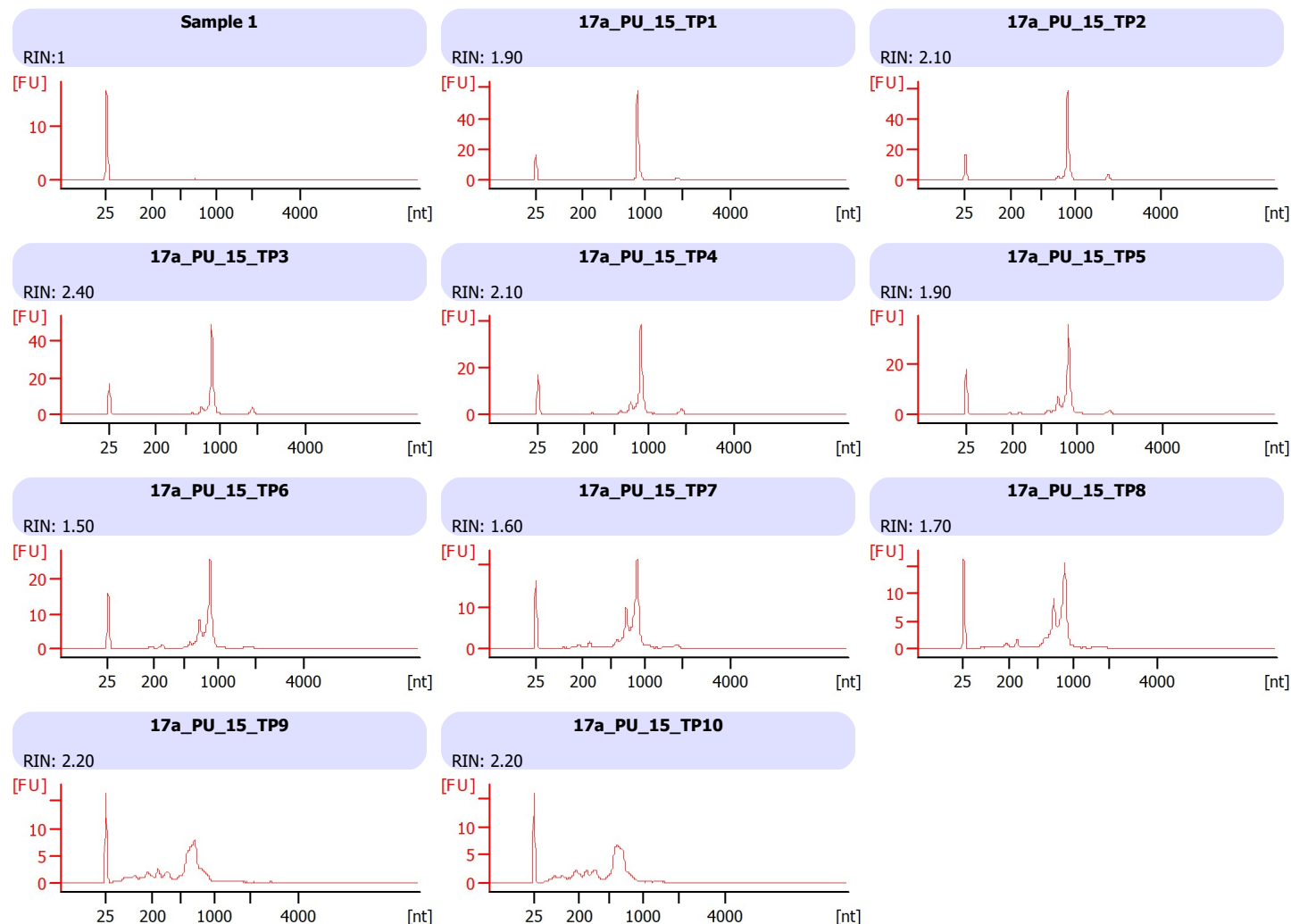
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Chip Information:

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_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_15_TP1		✓ RIN: 1.90	
17a_PU_15_TP2		✓ RIN: 2.10	
17a_PU_15_TP3		✓ RIN: 2.40	
17a_PU_15_TP4		✓ RIN: 2.10	
17a_PU_15_TP5		✓ RIN: 1.90	
17a_PU_15_TP6		✓ RIN: 1.50	
17a_PU_15_TP7		✓ RIN: 1.60	
17a_PU_15_TP8		✓ RIN: 1.70	
17a_PU_15_TP9		✓ RIN: 2.20	
17a_PU_15_TP10		✓ RIN: 2.20	
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_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 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

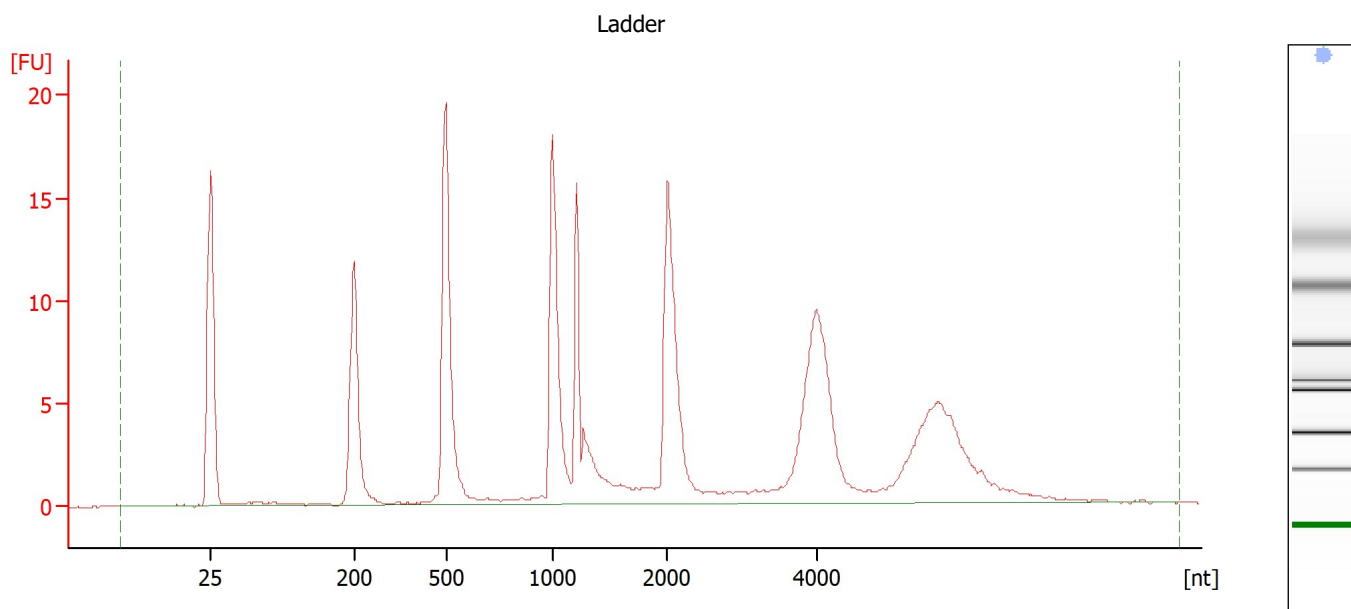
Ladder

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_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 169.2

Result Flagging Color:



RNA Concentration: 150 ng/μl

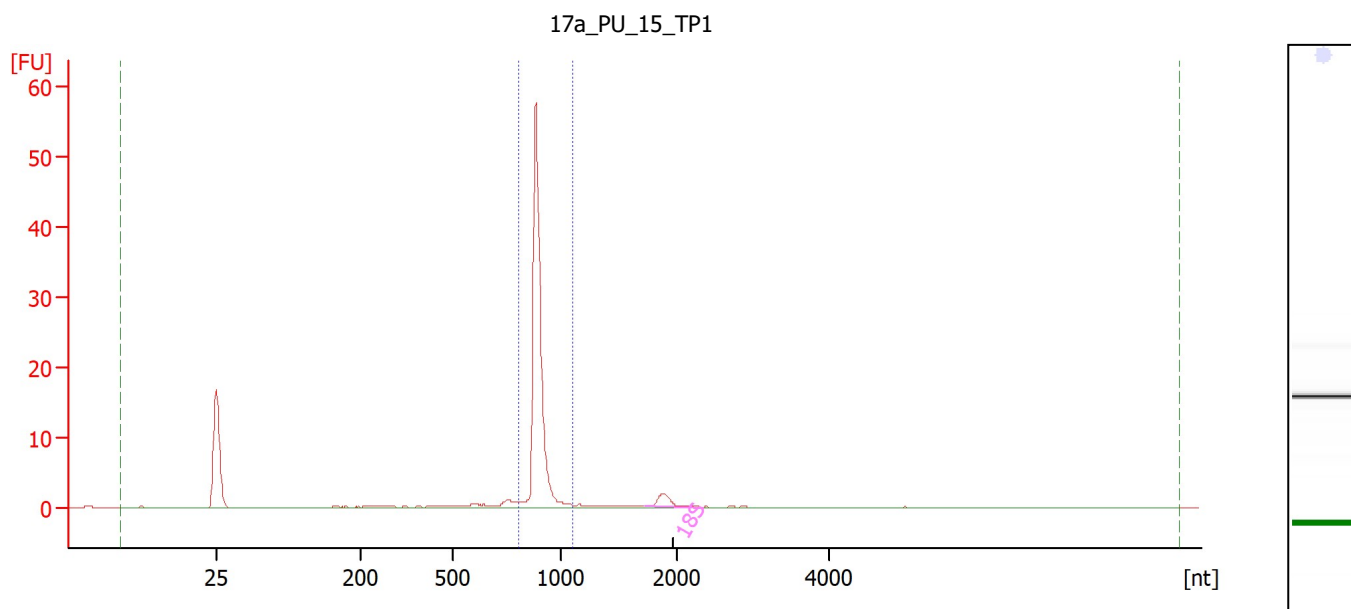
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 15 TP1

RNA Area:	75.8	Result Flagging Color:	
RNA Concentration:	67 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	59.4
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 15 TP1

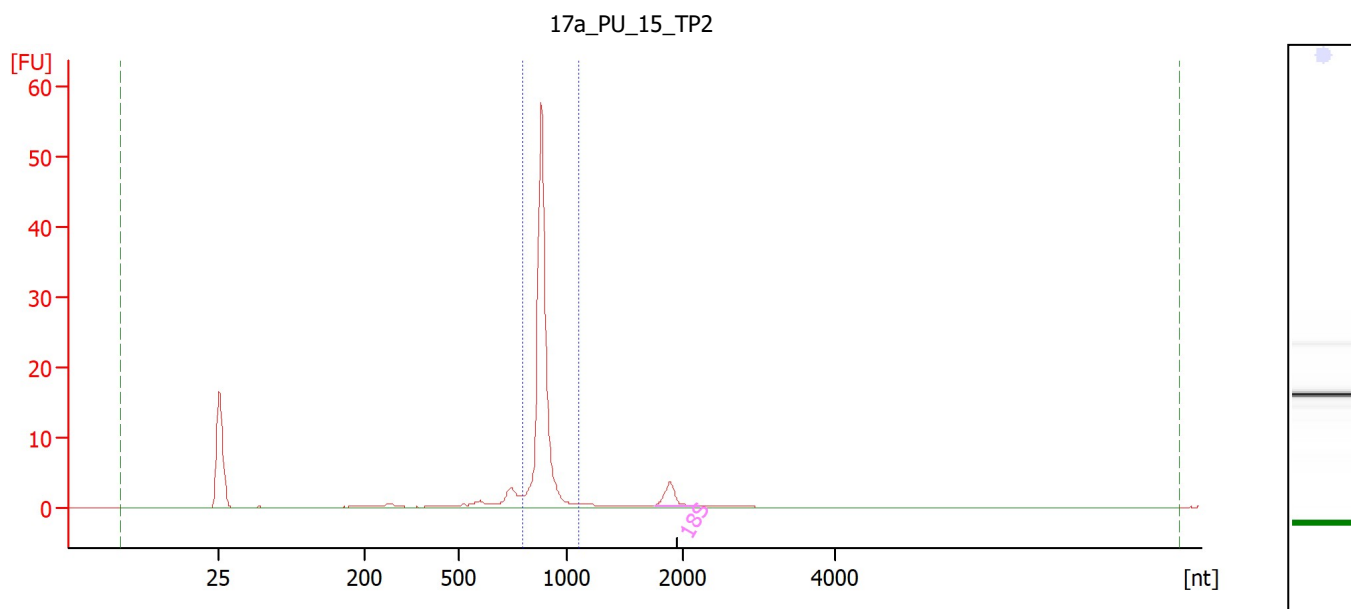
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,332	2.9	3.9

Region table for sample 2 : 17a PU 15 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	59.4	78	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 15 TP2**

RNA Area:	87.2	Result Flagging Color:	
RNA Concentration:	77 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	66.6
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 15 TP2

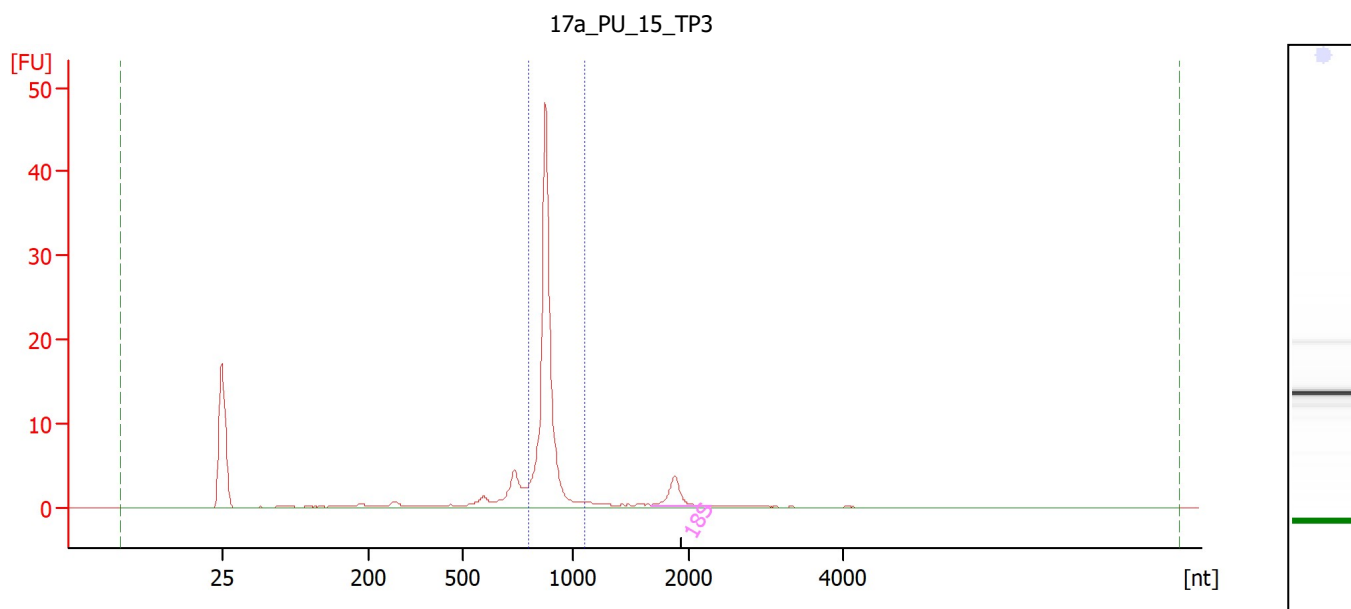
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,749	2,193	4.3	4.9

Region table for sample 3 : 17a PU 15 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	66.6	76	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 15 TP3**

RNA Area:	91.9	Result Flagging Color:	
RNA Concentration:	81 ng/μl	Result Flagging Label:	RIN: 2.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	62.0
RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 15 TP3

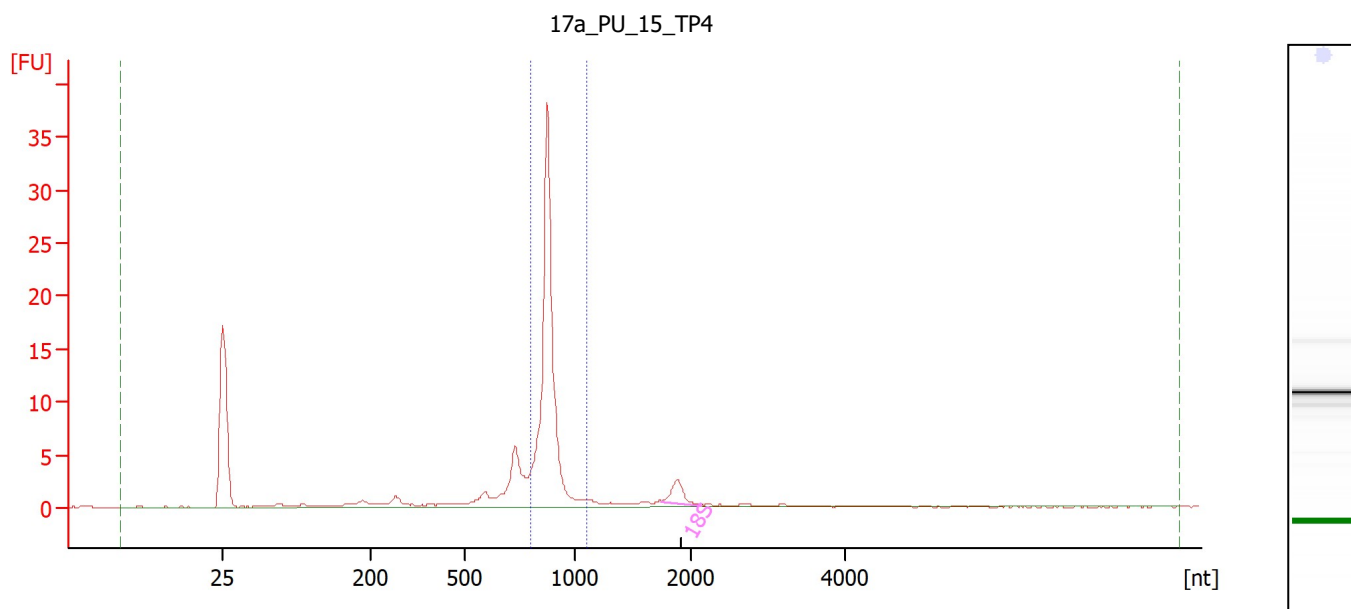
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	2,280	4.9	5.3

Region table for sample 4 : 17a PU 15 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	62.0	67	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 15 TP4**

RNA Area:	91.6	Result Flagging Color:	
RNA Concentration:	81 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	54.6
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 15 TP4

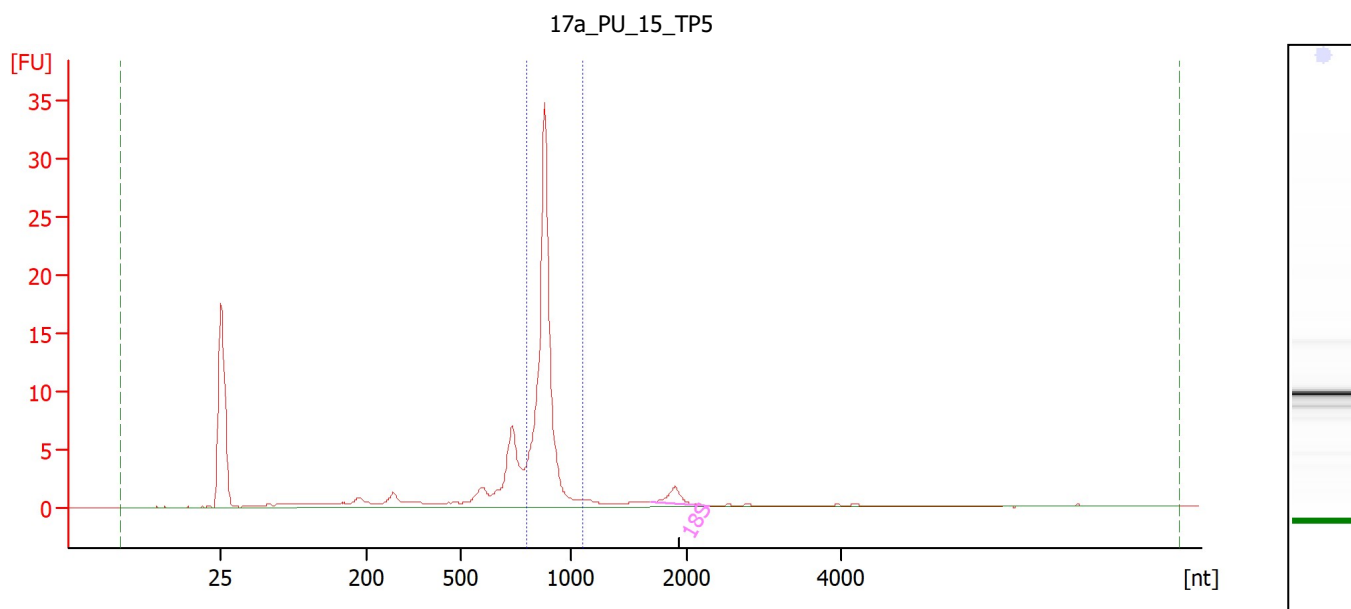
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,114	2.9	3.2

Region table for sample 5 : 17a PU 15 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	54.6	60	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 15 TP5**

RNA Area:	94.4	Result Flagging Color:	
RNA Concentration:	84 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	53.4
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 6 : 17a PU 15 TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,293	2.5	2.6

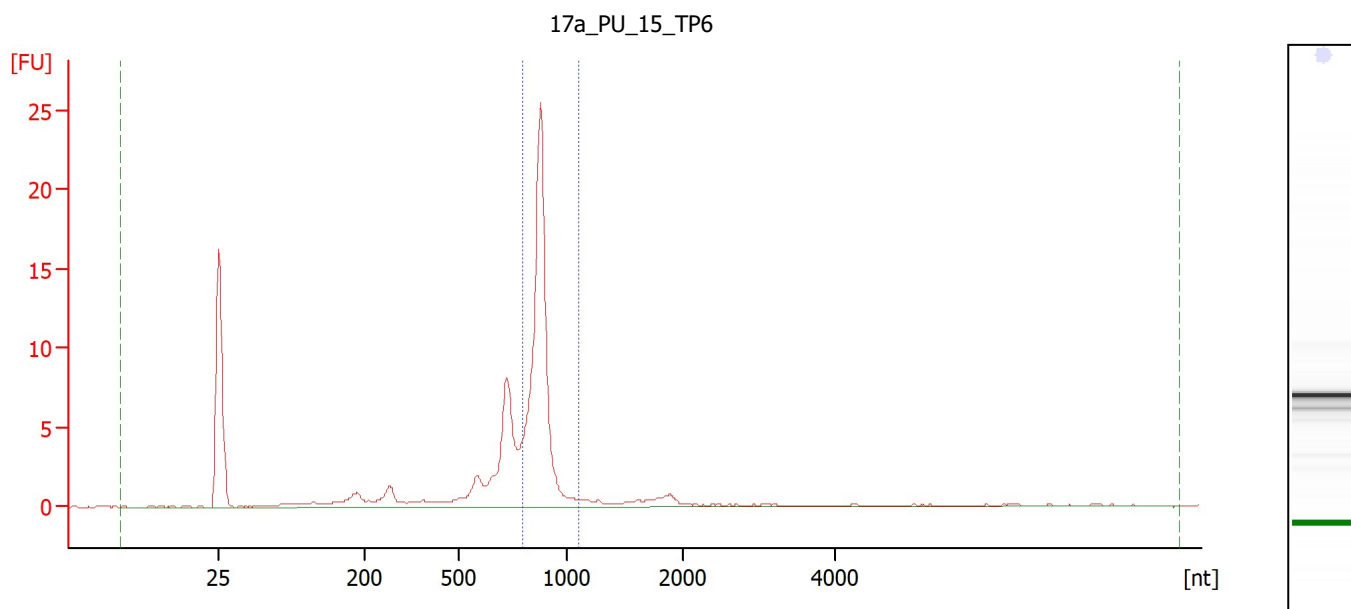
Region table for sample 6 : 17a PU 15 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	53.4	56	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 15 TP6

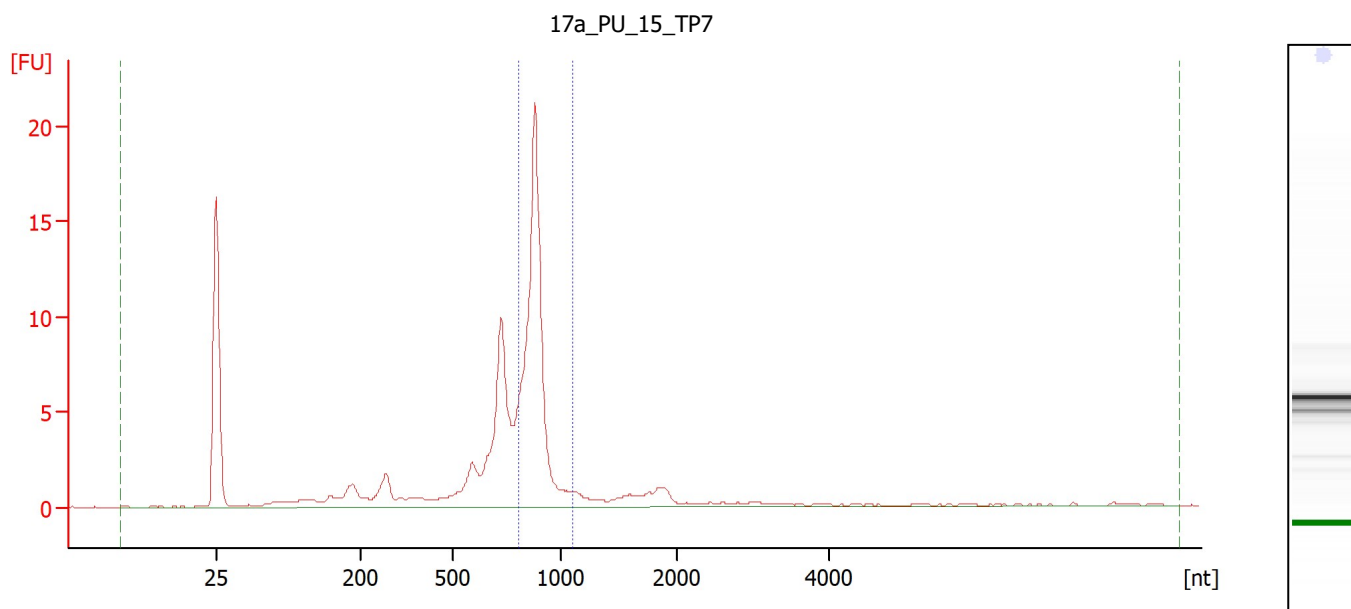
RNA Area:	85.1	Result Flagging Color:	
RNA Concentration:	75 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	43.8
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 15 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	43.8	51	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 15 TP7**

RNA Area:	92.3	Result Flagging Color:	
RNA Concentration:	82 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	41.6
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

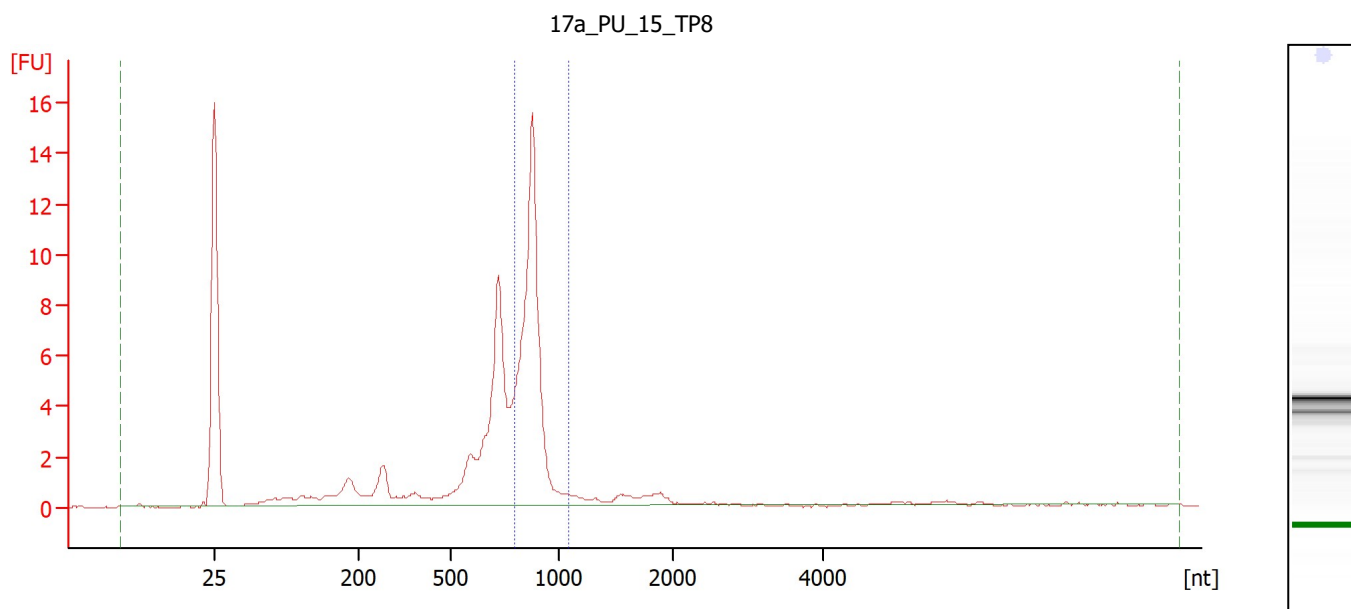
Region table for sample 8 : 17a PU 15 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	41.6	45	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 15 TP8

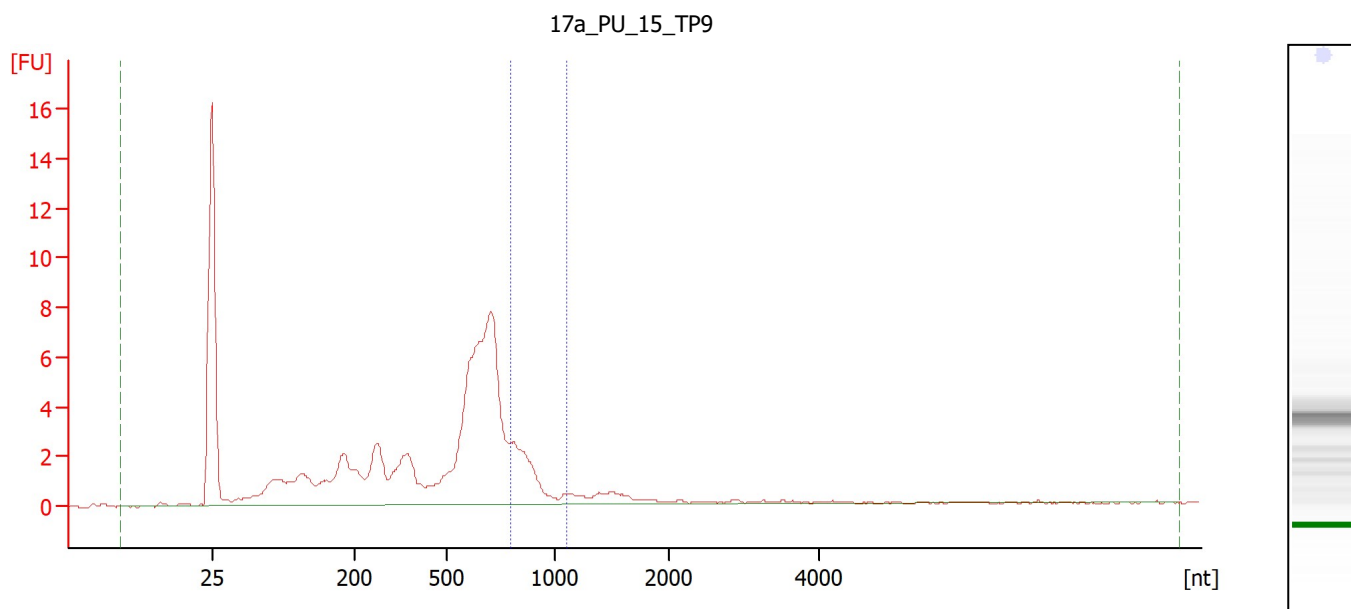
RNA Area:	75.6	Result Flagging Color:	
RNA Concentration:	67 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	32.4
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 9 : 17a PU 15 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	32.4	43	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a_PU_15_TP9**

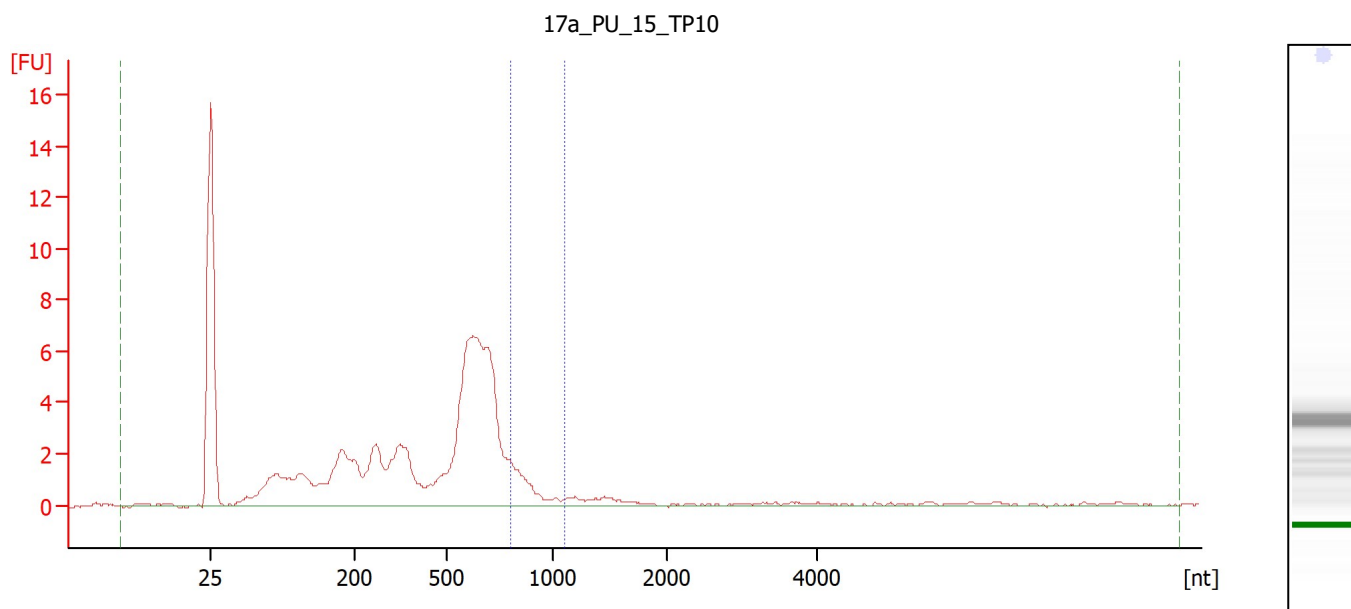
RNA Area:	90.0	Result Flagging Color:	
RNA Concentration:	80 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 10 : 17a_PU_15_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.8	9	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
 Modified: 12/10/2020 4:57:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a PU 15 TP10**

RNA Area:	84.1	Result Flagging Color:	
RNA Concentration:	75 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	4.7
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 15 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	4.7	6	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_16-13-55.xad

Created: 12/10/2020 4:13:55 PM
Modified: 12/10/2020 4:57:47 PM

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