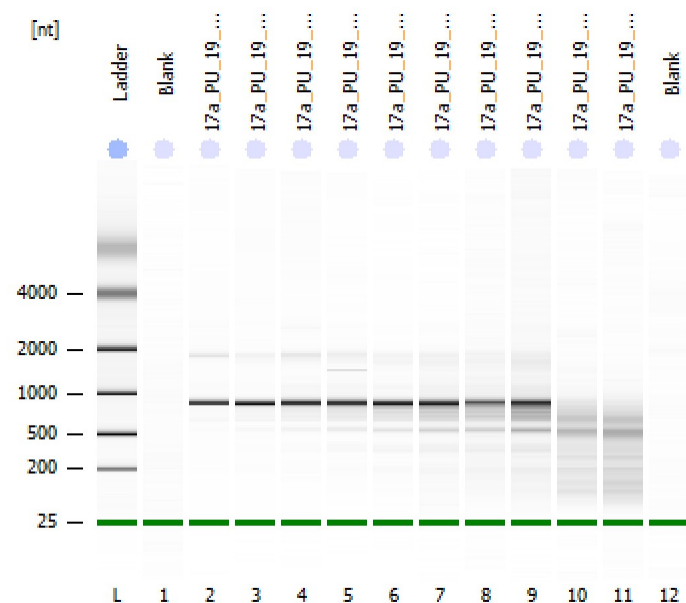


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 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)

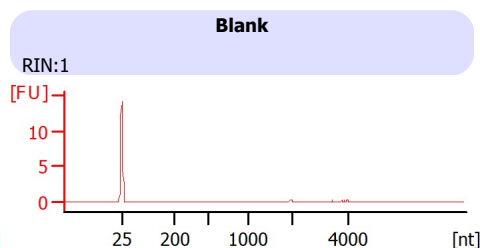
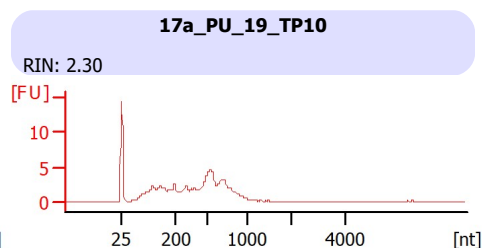
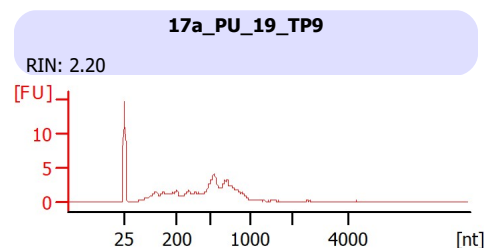
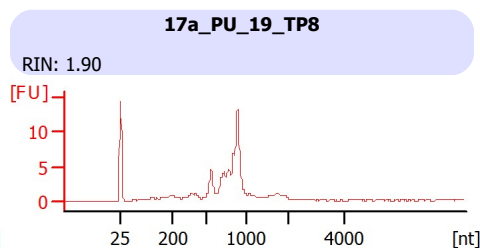
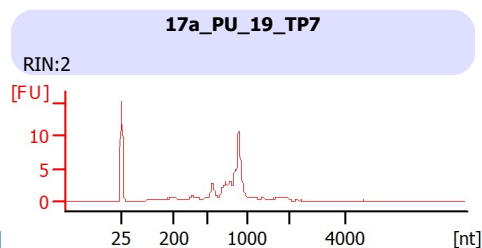
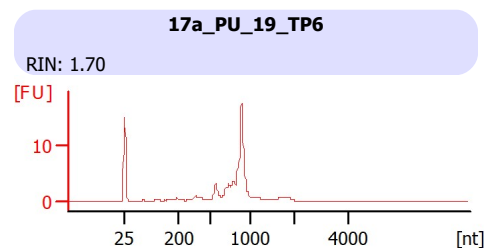
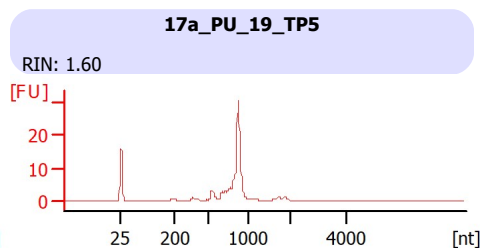
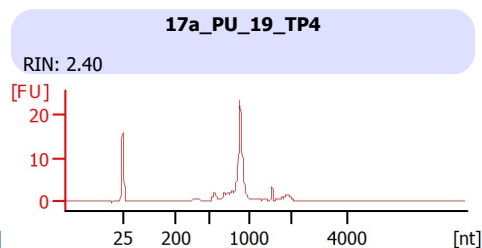
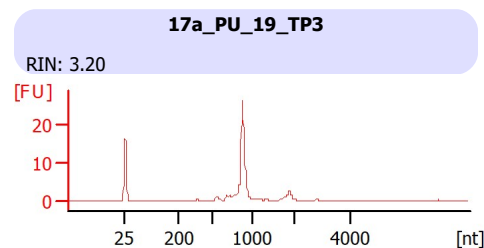
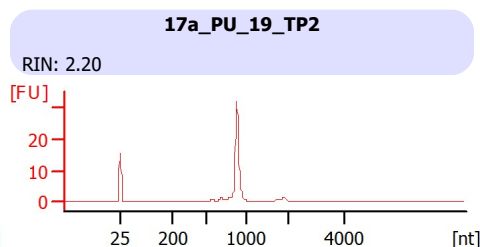
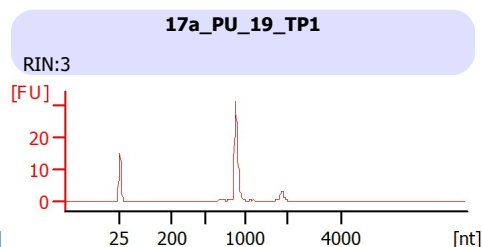
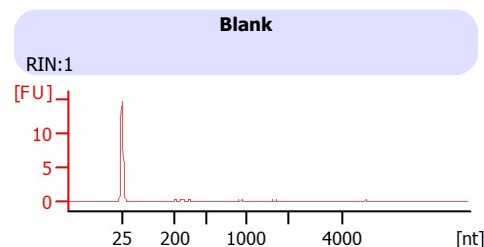
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Chip Information:

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_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_19_TP1		✓ RIN:3	
17a_PU_19_TP2		✓ RIN: 2.20	
17a_PU_19_TP3		✓ RIN: 3.20	
17a_PU_19_TP4		✓ RIN: 2.40	
17a_PU_19_TP5		✓ RIN: 1.60	
17a_PU_19_TP6		✓ RIN: 1.70	
17a_PU_19_TP7		✓ RIN:2	
17a_PU_19_TP8		✓ RIN: 1.90	
17a_PU_19_TP9		✓ RIN: 2.20	
17a_PU_19_TP10		✓ RIN: 2.30	
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_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 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

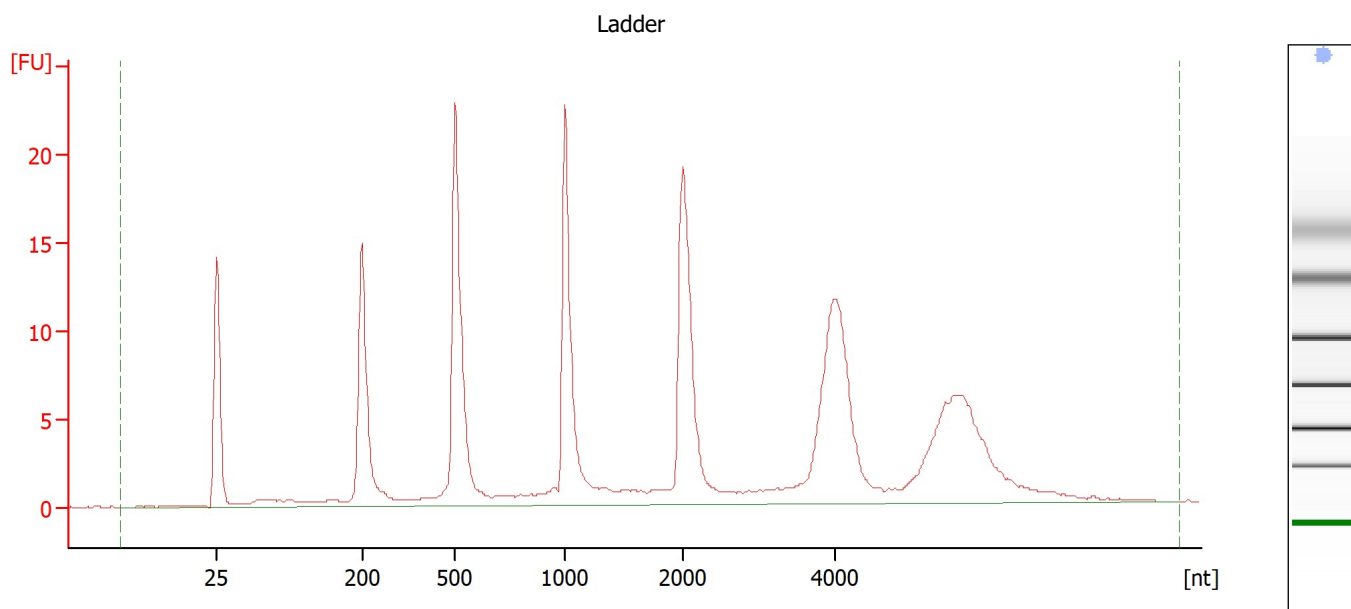
Ladder

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_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 211.0

Result Flagging Color:



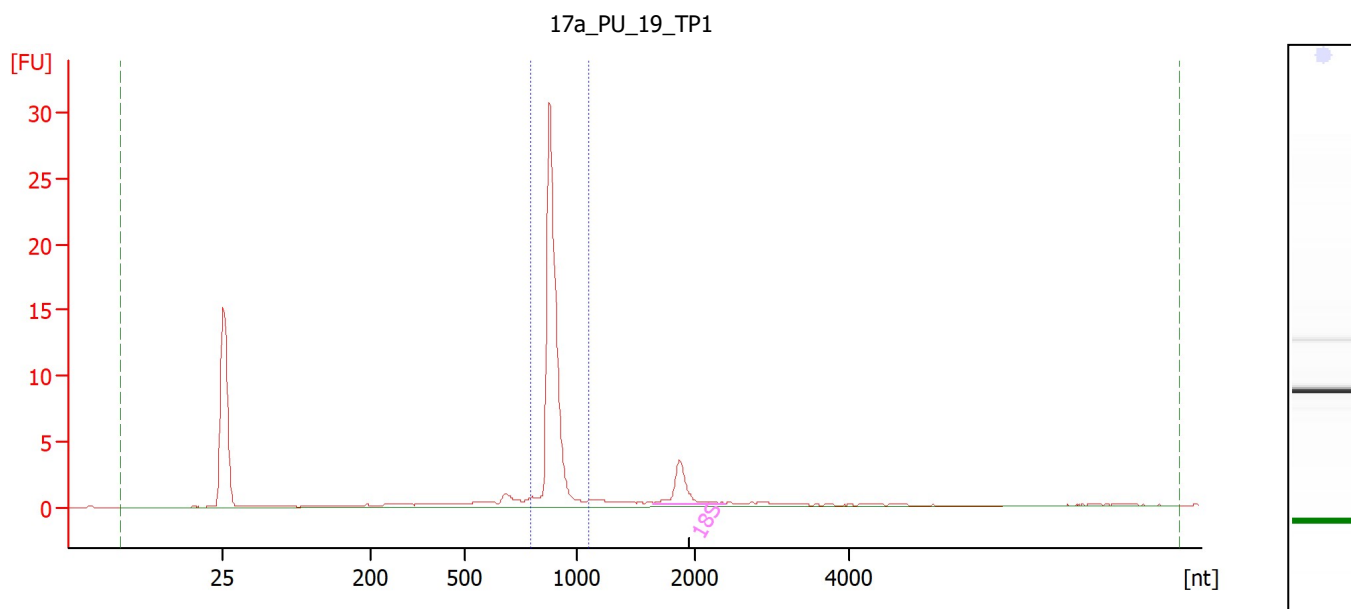
RNA Concentration: 150 ng/μl

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_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 19 TP1**

RNA Area:	68.6	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN:3
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.3
RNA Integrity Number (RIN):	3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 19 TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	2,383	4.3	6.2

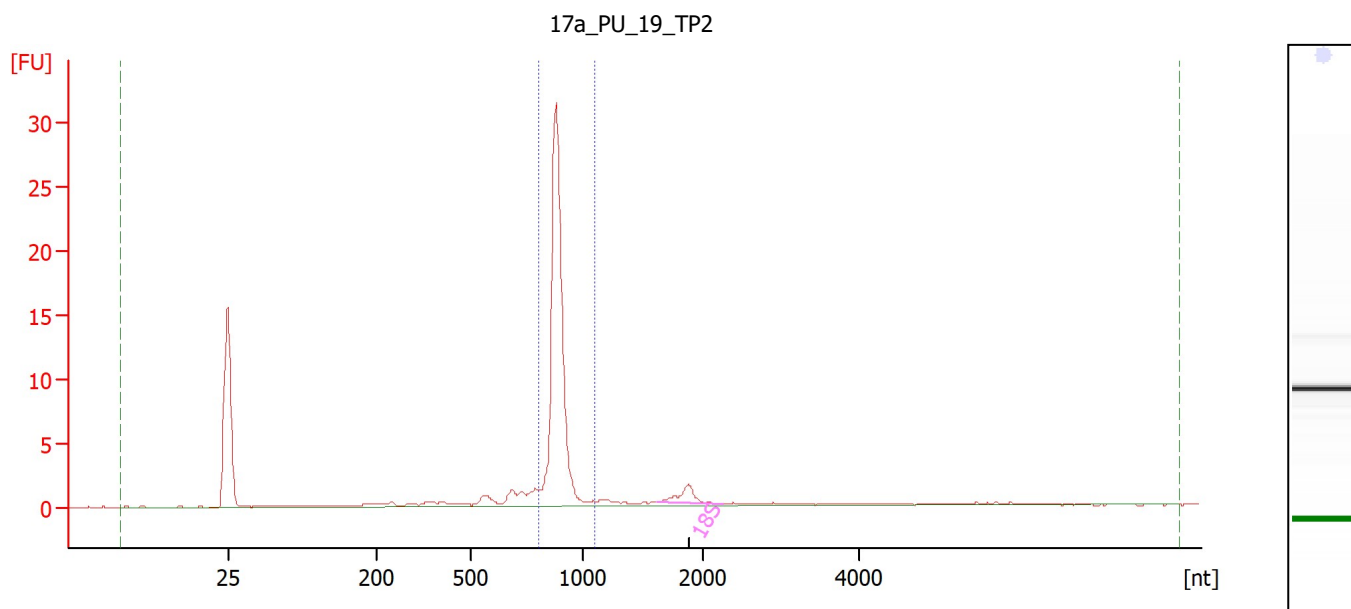
Region table for sample 2 : 17a PU 19 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.3	59	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 19 TP2

RNA Area:	62.4	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 19 TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,247	2.7	4.3

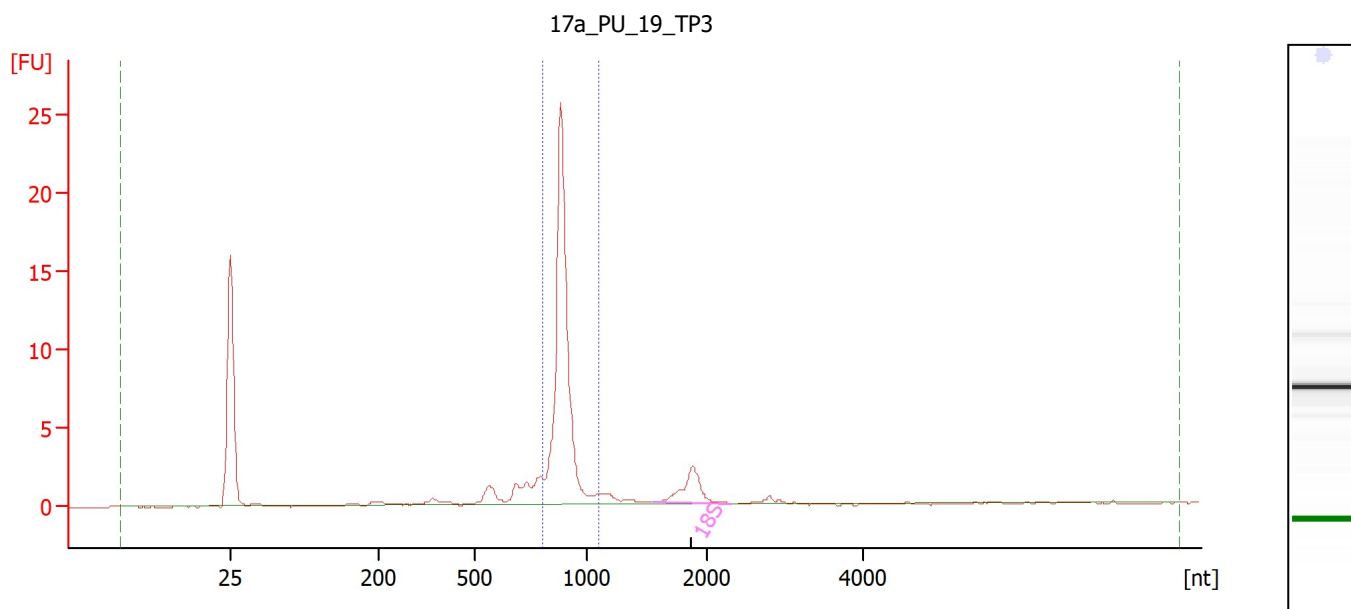
Region table for sample 3 : 17a PU 19 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	45.0	72	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17a PU 19 TP3

RNA Area:	58.0	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 3.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.2
RNA Integrity Number (RIN):	3.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 19 TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	2,289	4.8	8.3

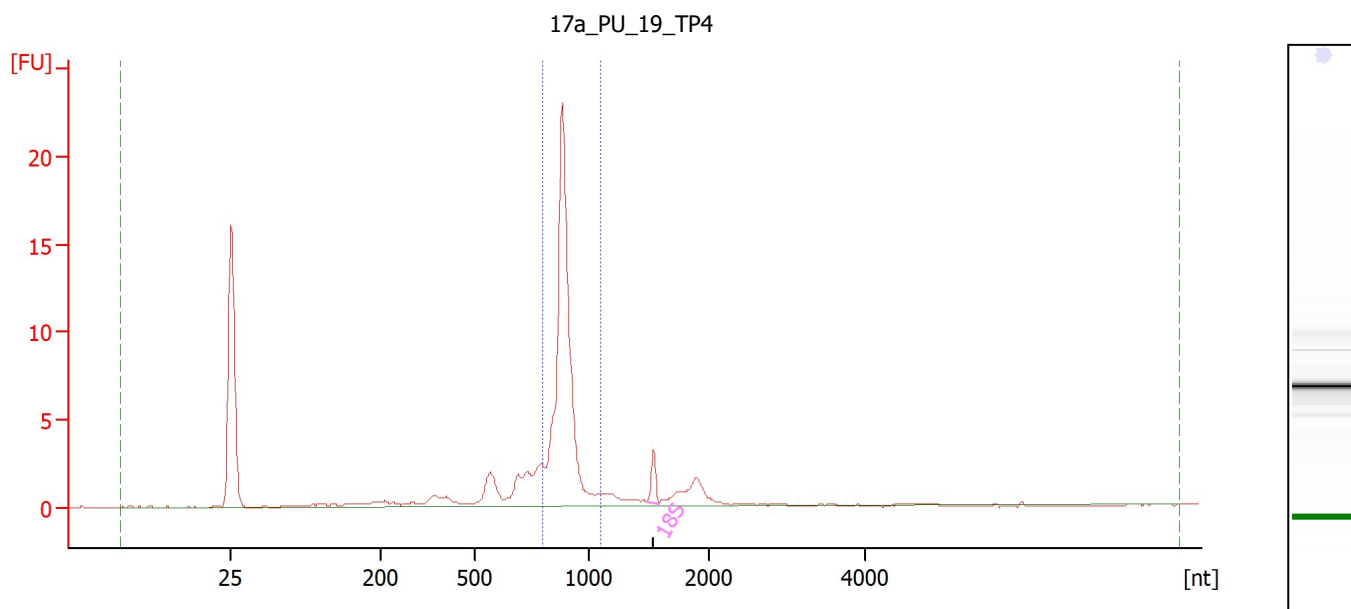
Region table for sample 4 : 17a PU 19 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.2	69	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 19 TP4

RNA Area:	64.4	Result Flagging Color:	
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 2.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.8
RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

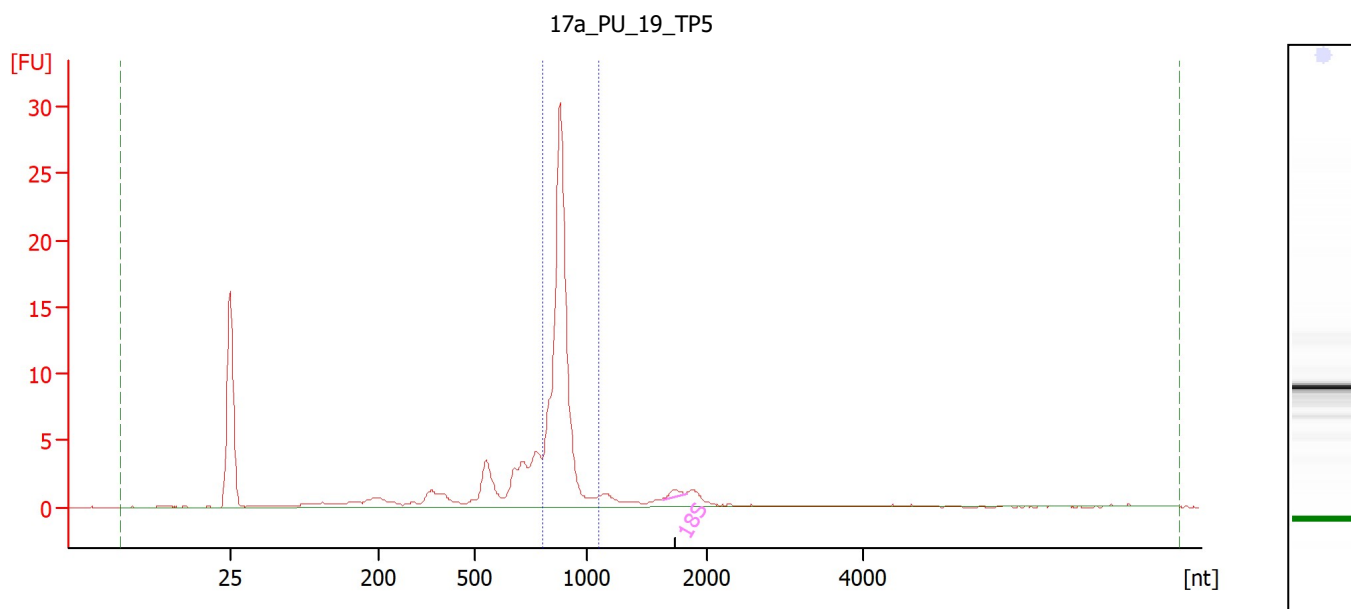
Fragment table for sample 5 : 17a PU 19 TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,479	1,585	1.6	2.5

Region table for sample 5 : 17a PU 19 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.8	60	

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 AM



RNA Area:	97.8	Result Flagging Color:	
RNA Concentration:	70 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	53.9
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

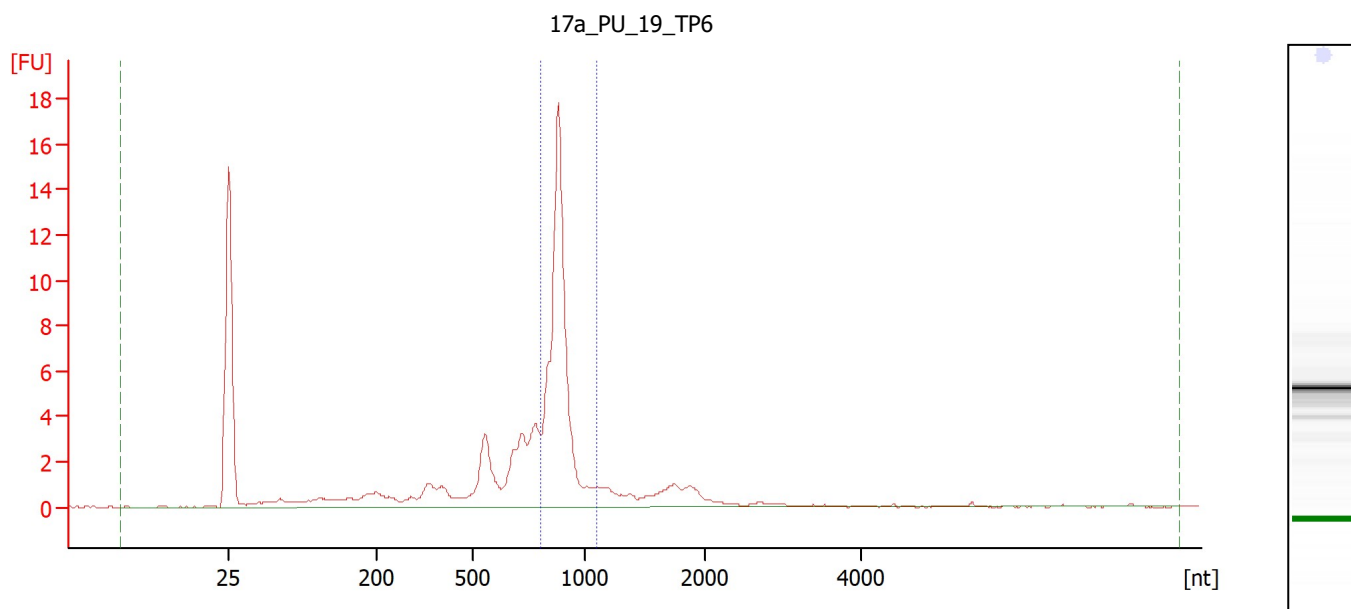
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,823	0.6	0.6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	53.9	55	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 19 TP6

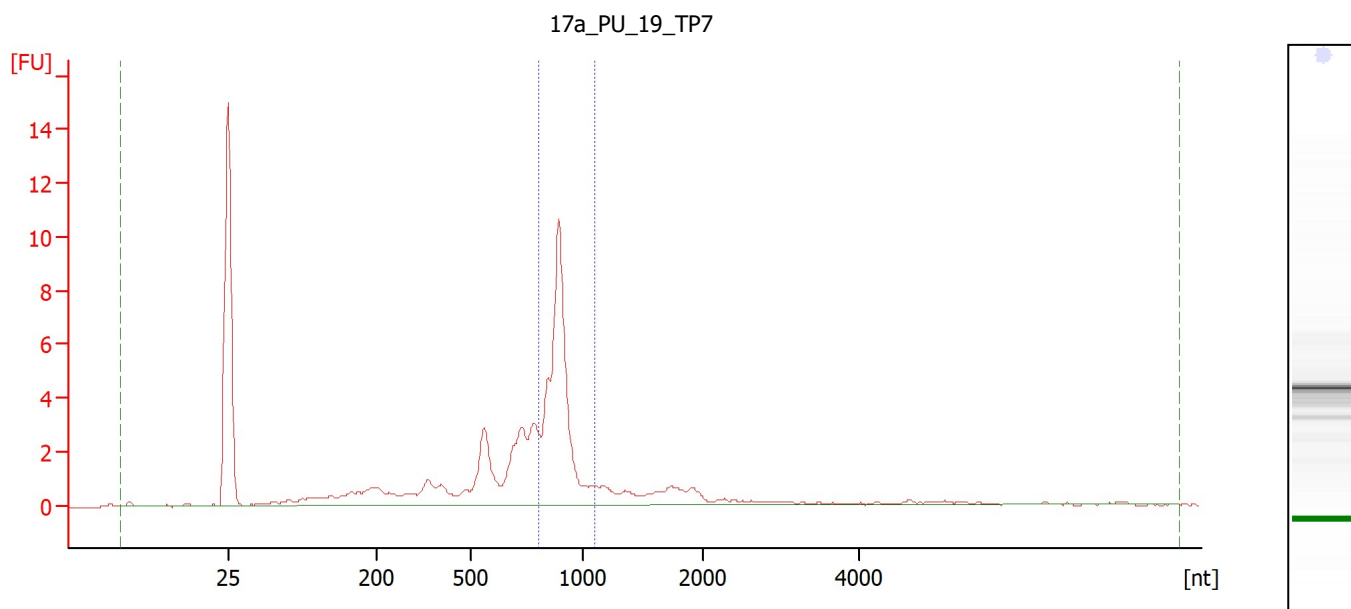
RNA Area:	76.6	Result Flagging Color:	
RNA Concentration:	54 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	35.4
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 19 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	35.4	46	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 19 TP7**

RNA Area:	59.7	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	23.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

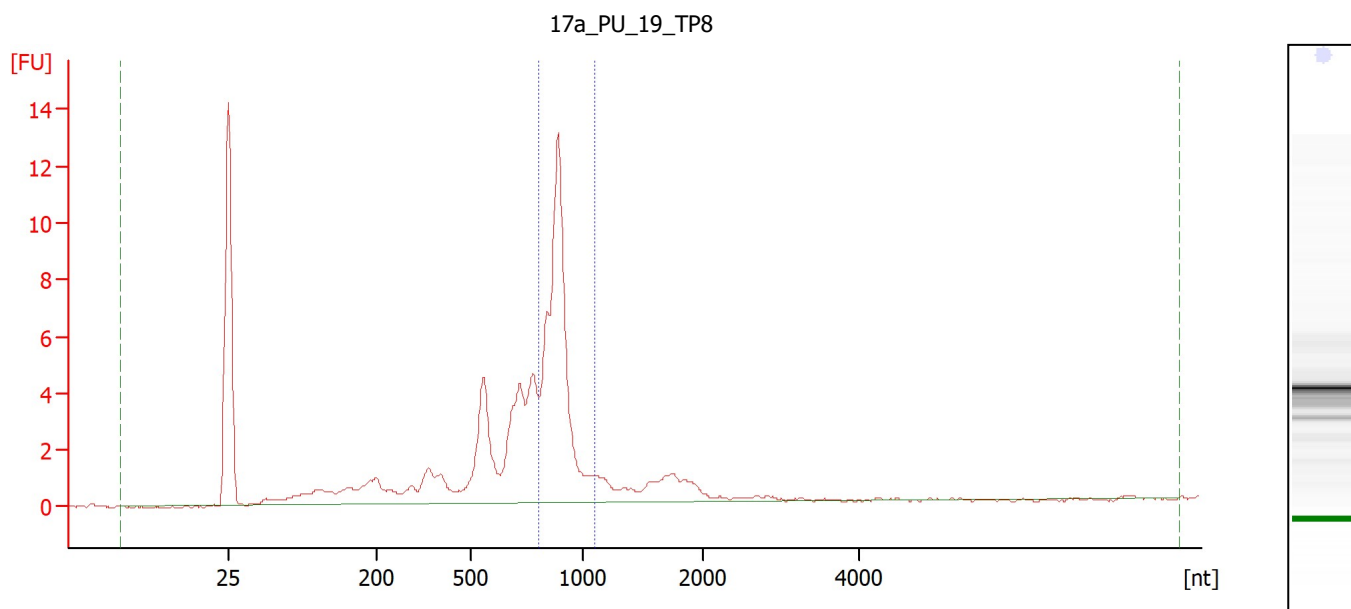
Region table for sample 8 : 17a PU 19 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	23.9	40	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 19 TP8

RNA Area:	82.0	Result Flagging Color:	
RNA Concentration:	58 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	31.6
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

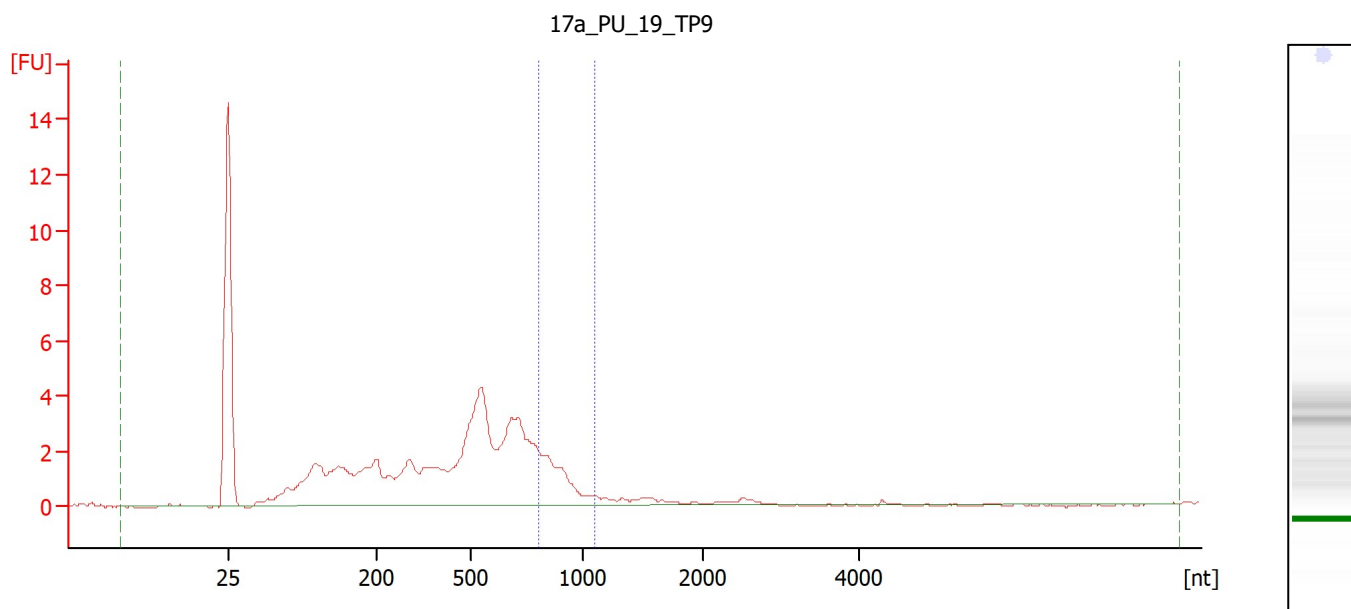
Region table for sample 9 : 17a PU 19 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	31.6	39	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_19_TP9

RNA Area:	71.0	Result Flagging Color:	
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.1
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

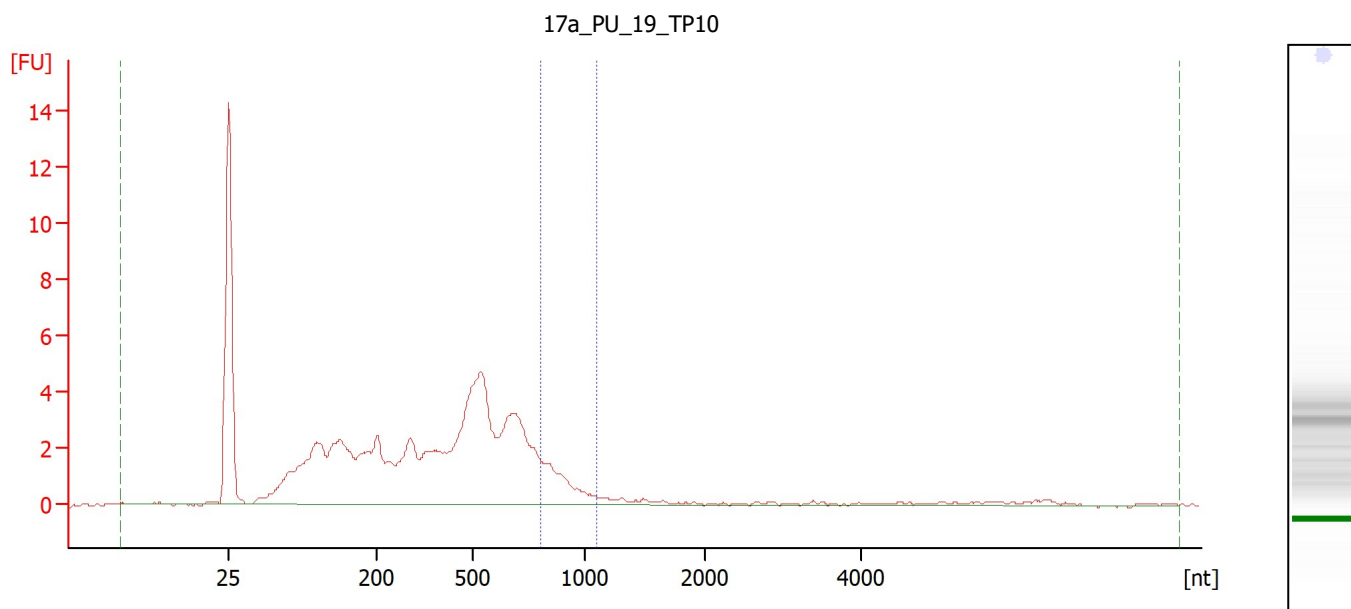
Region table for sample 10 : 17a_PU_19_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.1	10	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
 Modified: 12/11/2020 10:25:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 19 TP10

RNA Area:	88.4	Result Flagging Color:	
RNA Concentration:	63 ng/μl	Result Flagging Label:	RIN: 2.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.7
RNA Integrity Number (RIN):	2.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 19 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.7	6	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-13-41.xad

Created: 12/11/2020 8:13:40 AM
Modified: 12/11/2020 10:25:17 AM

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