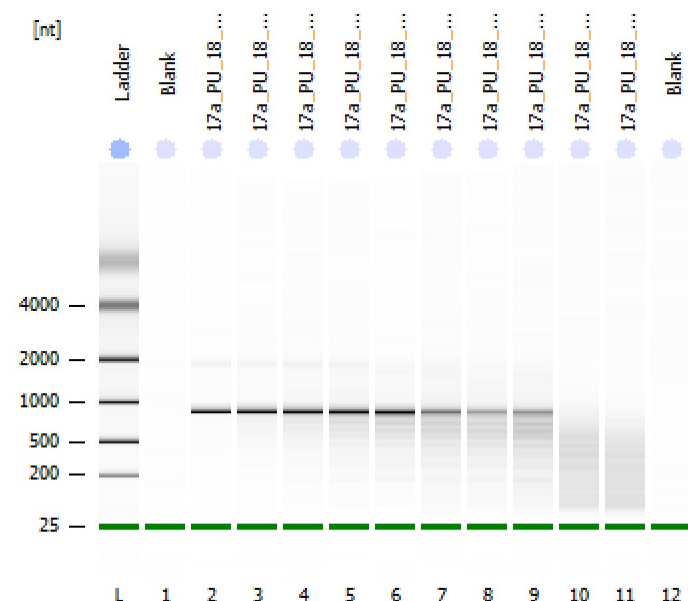


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

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)

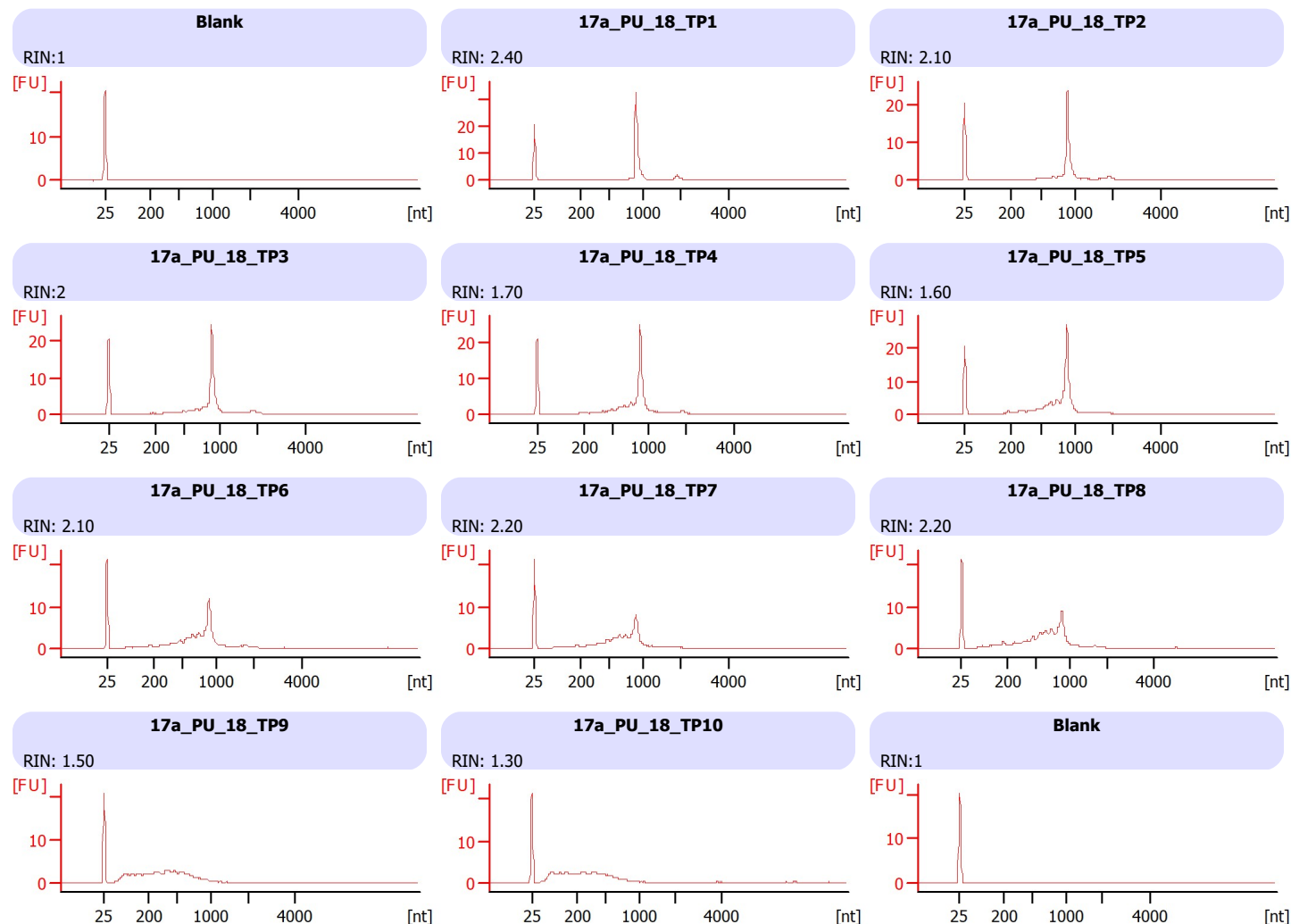
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_18_TP1		✓ RIN: 2.40	
17a_PU_18_TP2		✓ RIN: 2.10	
17a_PU_18_TP3		✓ RIN:2	
17a_PU_18_TP4		✓ RIN: 1.70	
17a_PU_18_TP5		✓ RIN: 1.60	
17a_PU_18_TP6		✓ RIN: 2.10	
17a_PU_18_TP7		✓ RIN: 2.20	
17a_PU_18_TP8		✓ RIN: 2.20	
17a_PU_18_TP9		✓ RIN: 1.50	
17a_PU_18_TP10		✓ RIN: 1.30	
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_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 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/ 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

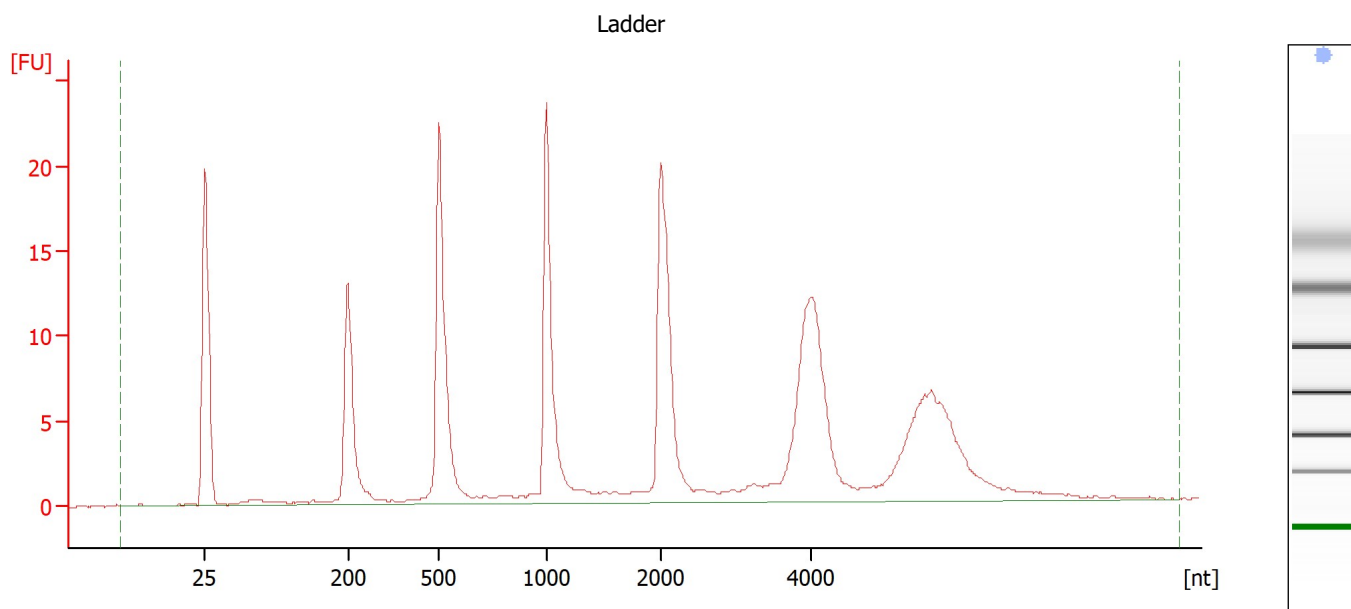
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 201.3

Result Flagging Color:



RNA Concentration: 150 ng/μl

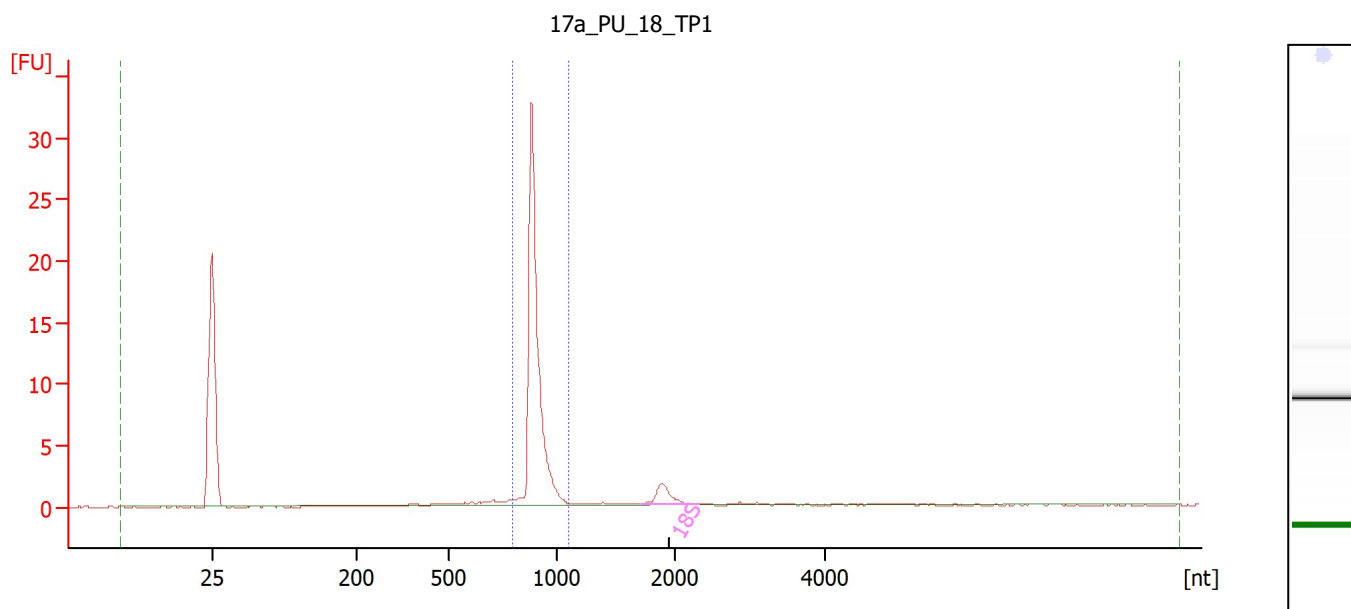
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 18 TP1

RNA Area:	51.9	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 2.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	43.0
RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 18 TP1

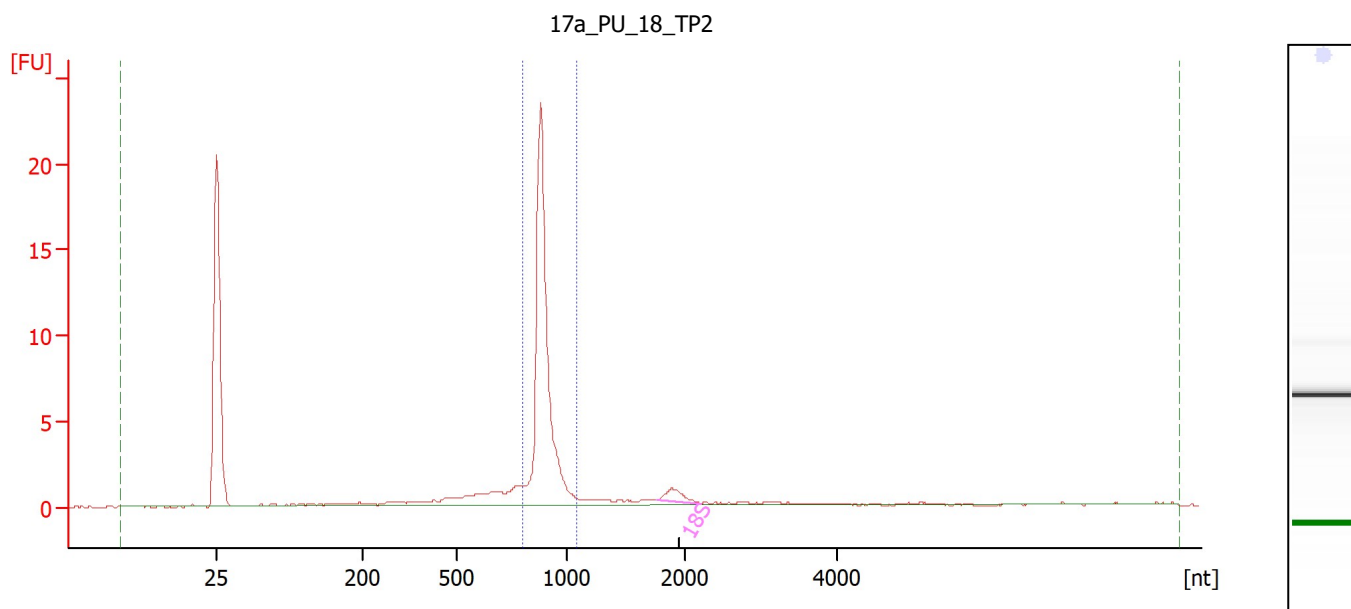
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	2,320	2.9	5.5

Region table for sample 2 : 17a PU 18 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	43.0	83	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 18 TP2**

RNA Area:	53.1	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 20px; height: 10px; display: inline-block;"></div>
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	35.3
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 18 TP2

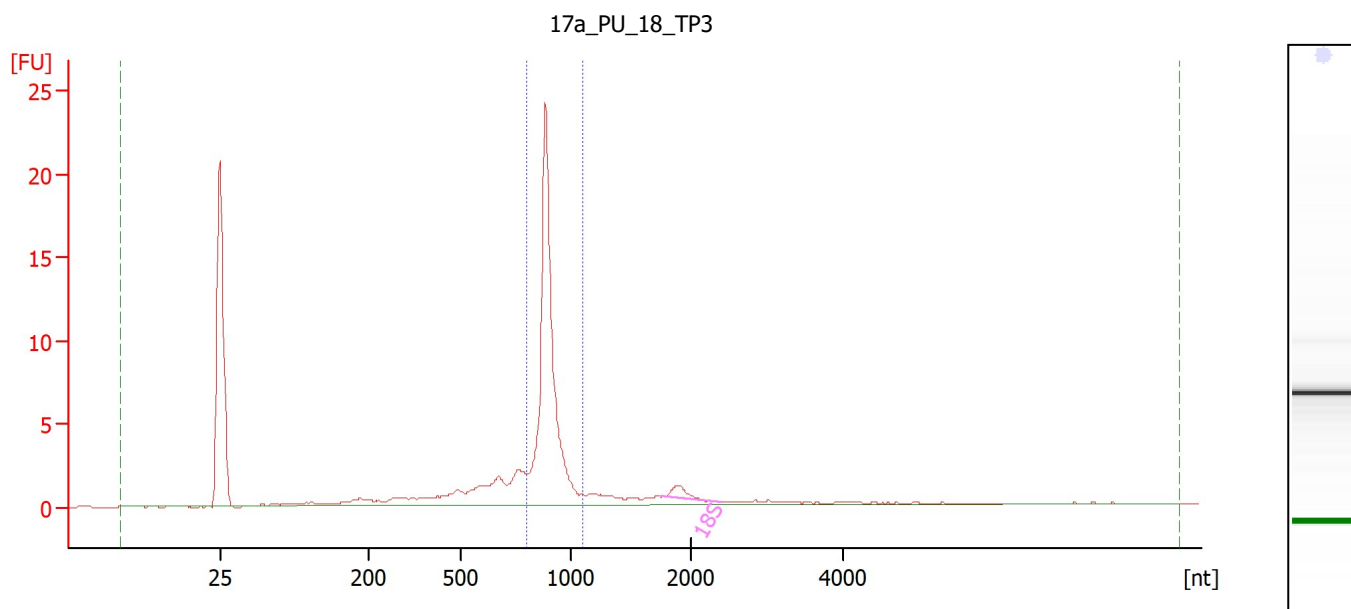
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,224	1.5	2.8

Region table for sample 3 : 17a PU 18 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	35.3	67	<div style="background-color: #0000ff; width: 15px; height: 10px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 18 TP3**

RNA Area:	72.0	Result Flagging Color:	
RNA Concentration:	54 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.3
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 18 TP3

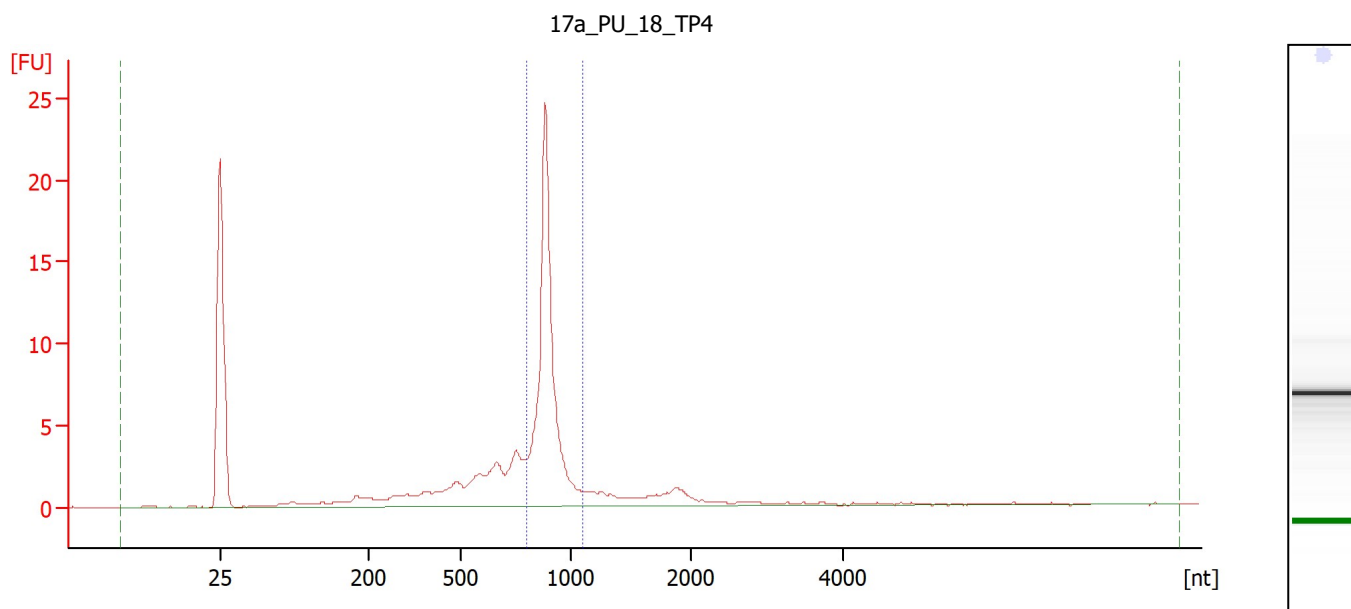
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,394	1.5	2.1

Region table for sample 4 : 17a PU 18 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.3	56	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 18 TP4**

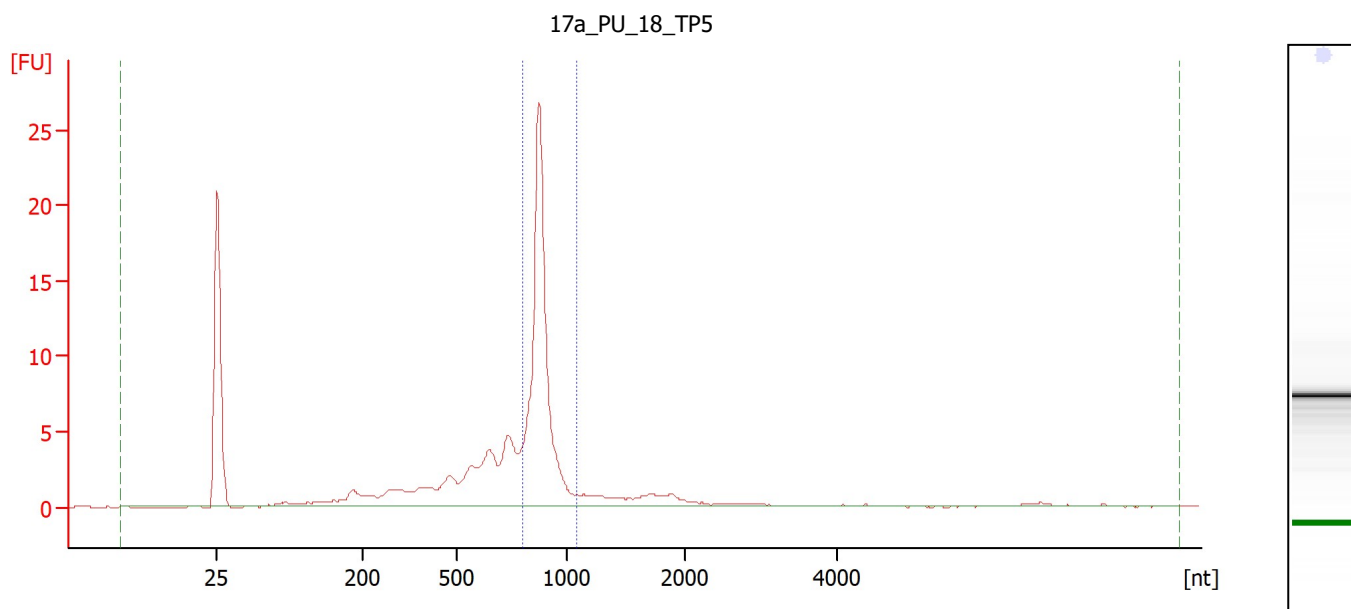
RNA Area:	90.5	Result Flagging Color:	
RNA Concentration:	67 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	44.5
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 5 : 17a PU 18 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	44.5	49	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 18 TP5**

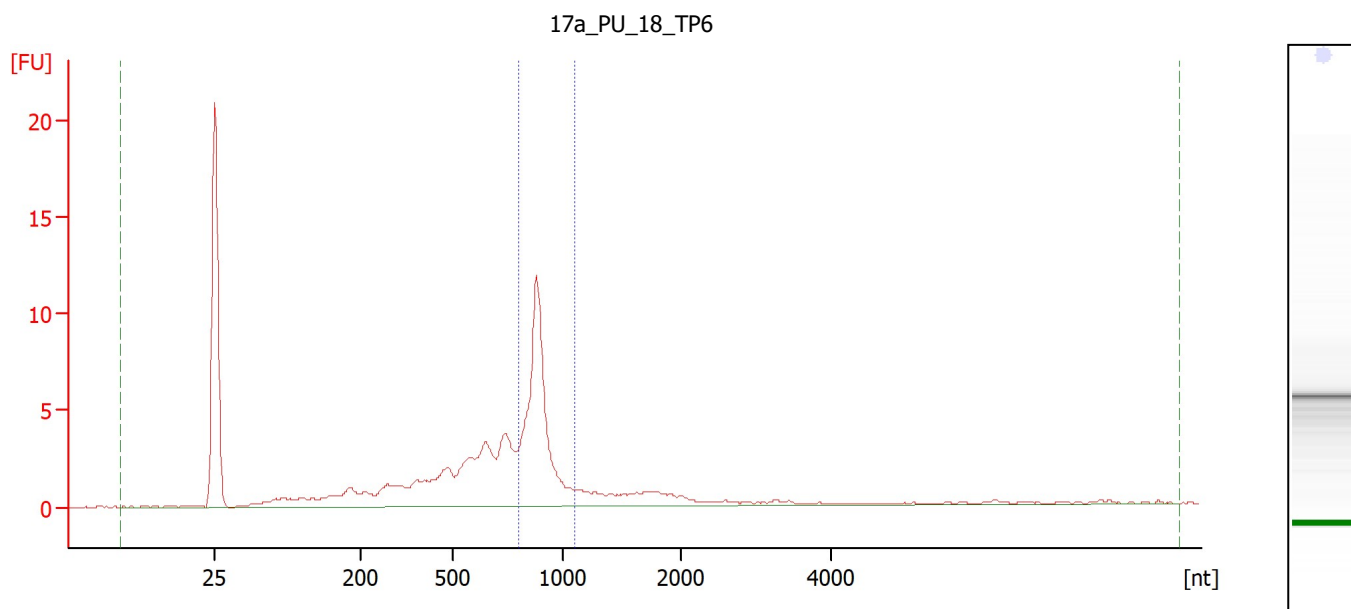
RNA Area:	105.6	Result Flagging Color:	
RNA Concentration:	79 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	49.8
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 6 : 17a PU 18 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	49.8	47	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 18 TP6**

RNA Area:	89.0	Result Flagging Color:	
RNA Concentration:	66 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	28.3
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

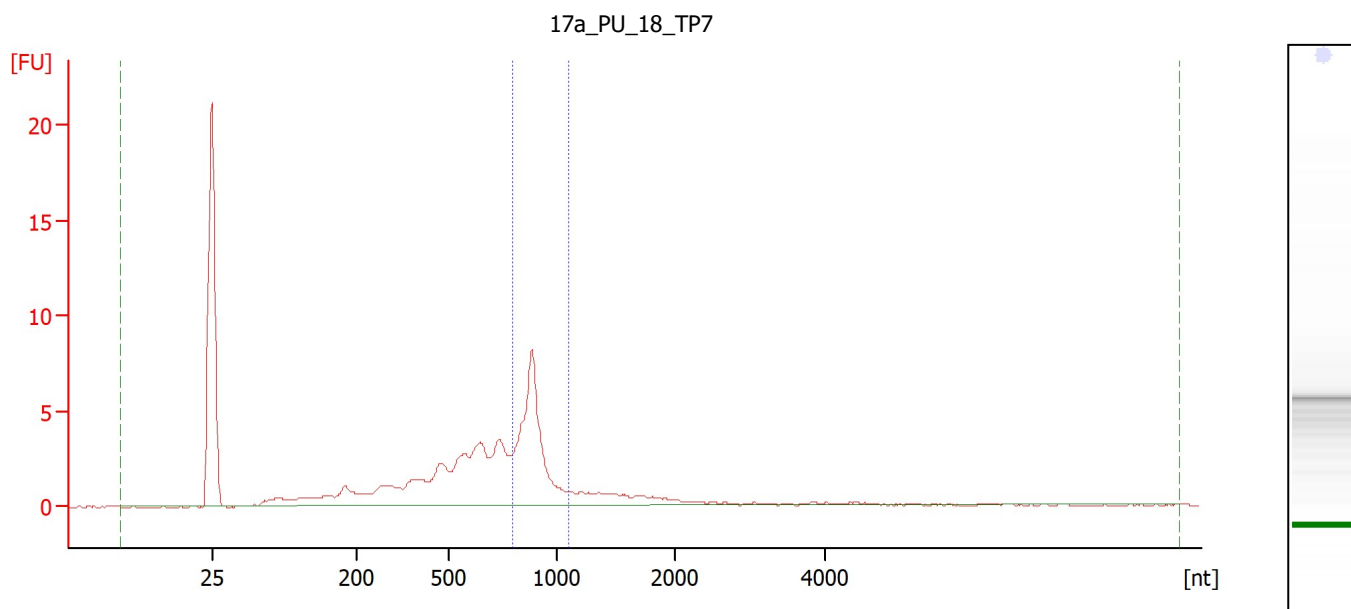
Region table for sample 7 : 17a PU 18 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	28.3	32	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a PU 18 TP7

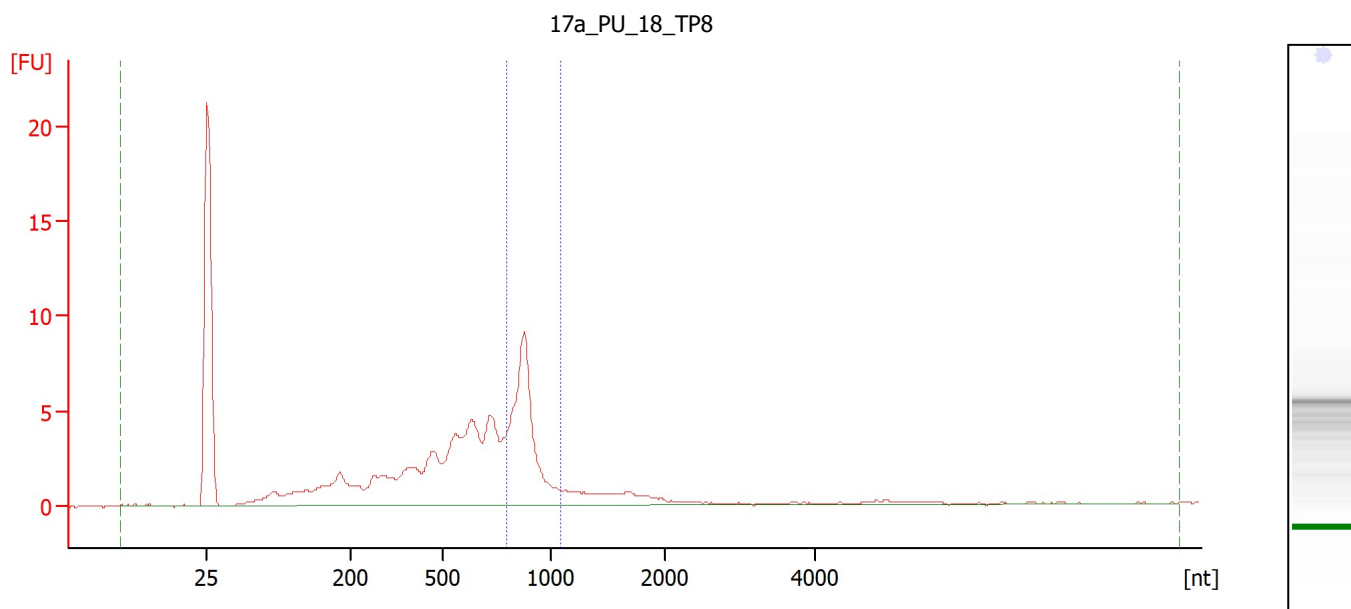
RNA Area:	77.0	Result Flagging Color:	
RNA Concentration:	57 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	21.6
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 8 : 17a PU 18 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	21.6	28	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 18 TP8**

RNA Area:	97.3	Result Flagging Color:	
RNA Concentration:	73 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	25.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

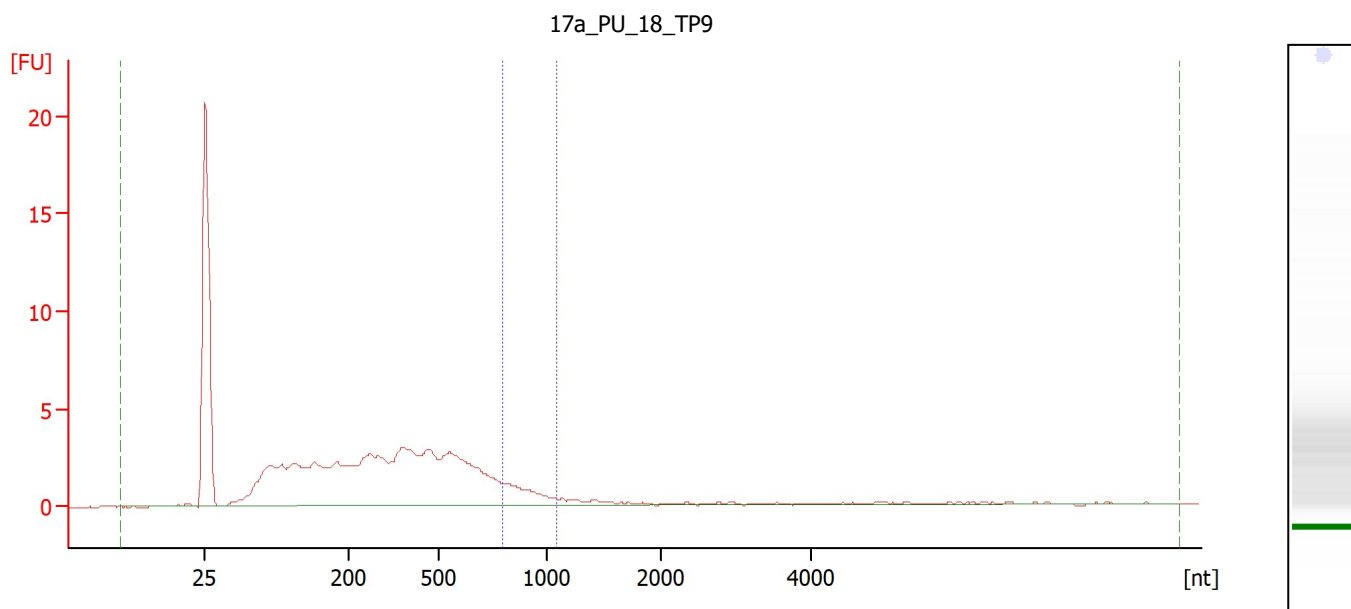
Region table for sample 9 : 17a PU 18 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	25.0	26	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 18 TP9

RNA Area:	94.9	Result Flagging Color:	
RNA Concentration:	71 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.1
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

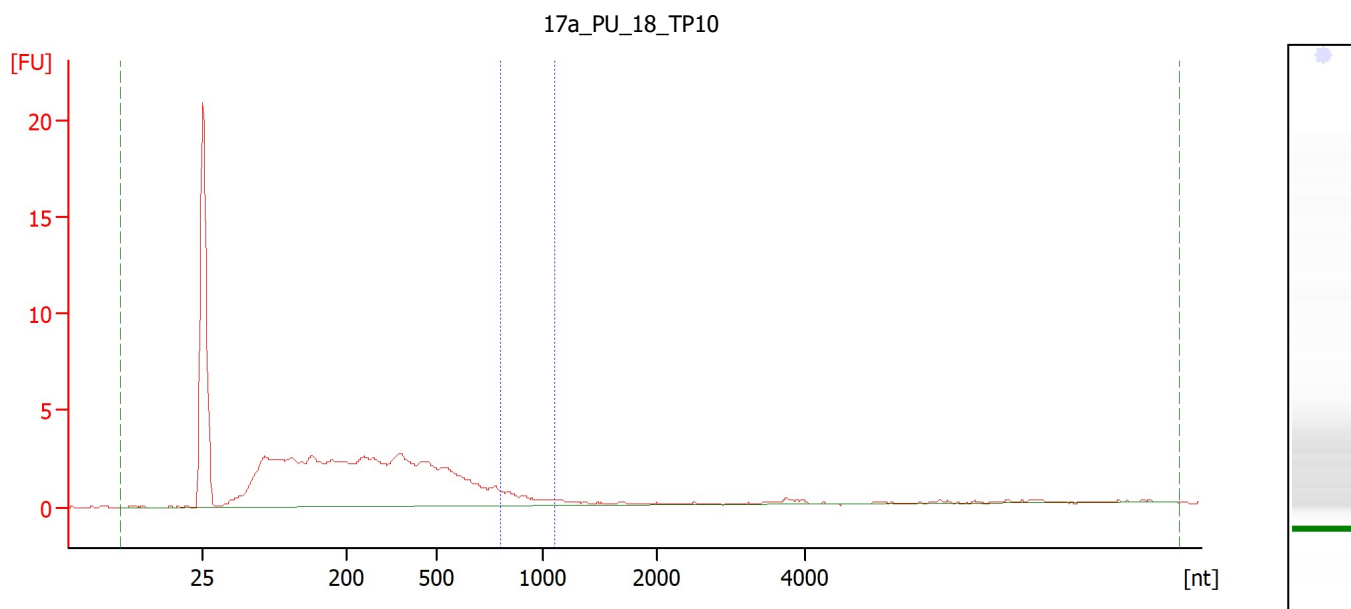
Region table for sample 10 : 17a PU 18 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.1	5	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
 Modified: 12/11/2020 10:22:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 18 TP10

RNA Area:	93.5	Result Flagging Color:	
RNA Concentration:	70 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	3.1
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 18 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	3.1	3	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_08-00-55.xad

Created: 12/11/2020 8:00:55 AM
Modified: 12/11/2020 10:22:46 AM

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