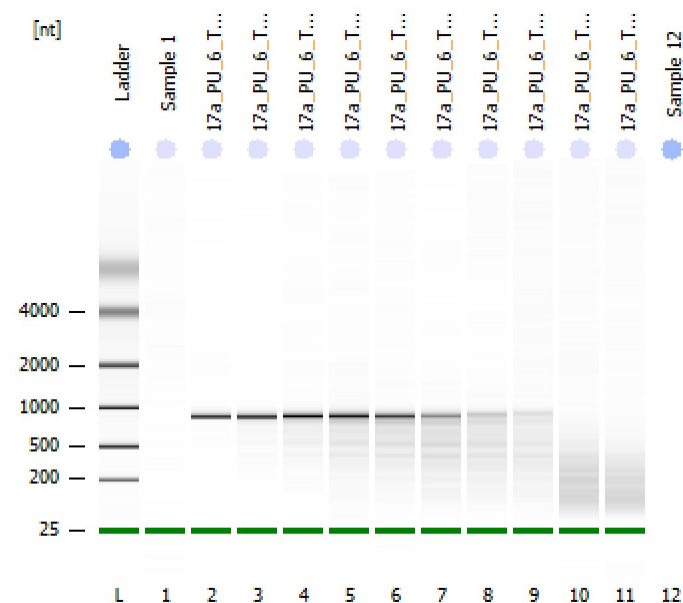


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302

Firmware: C.01.069

Serial#: DE72901302

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)

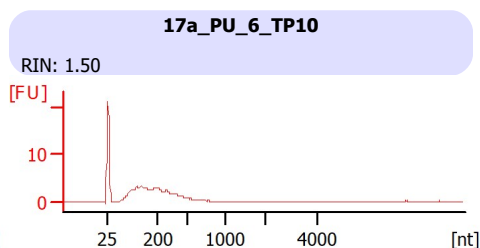
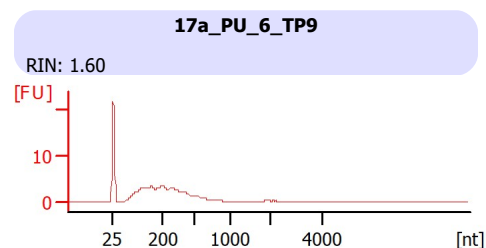
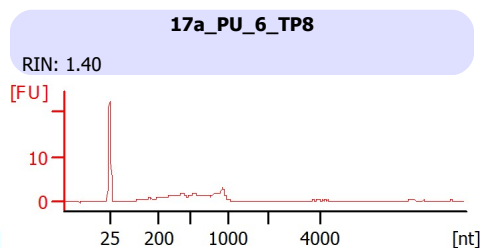
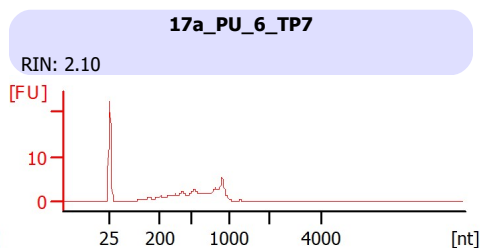
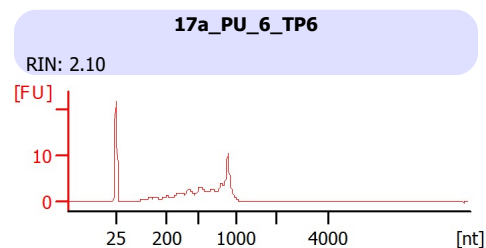
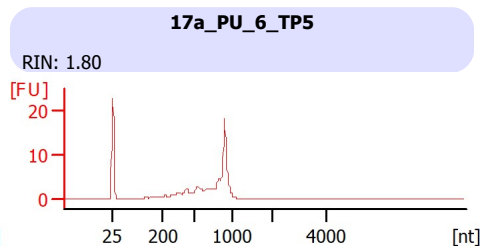
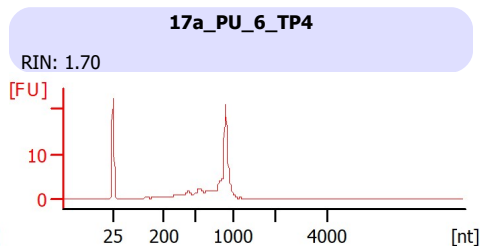
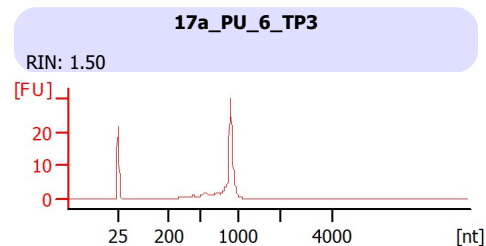
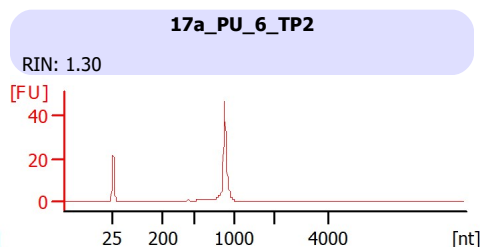
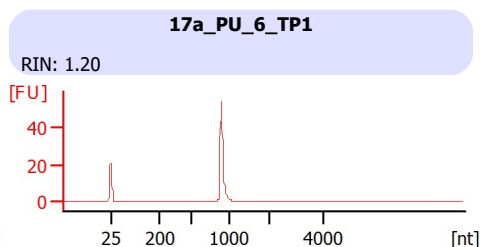
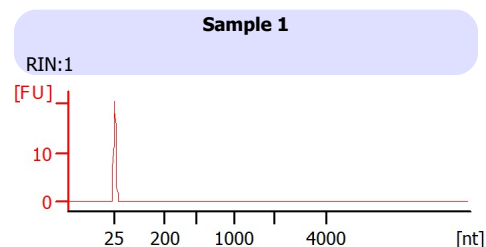
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Chip Information:

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_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_6_TP1		✓ RIN: 1.20	
17a_PU_6_TP2		✓ RIN: 1.30	
17a_PU_6_TP3		✓ RIN: 1.50	
17a_PU_6_TP4		✓ RIN: 1.70	
17a_PU_6_TP5		✓ RIN: 1.80	
17a_PU_6_TP6		✓ RIN: 2.10	
17a_PU_6_TP7		✓ RIN: 2.10	
17a_PU_6_TP8		✓ RIN: 1.40	
17a_PU_6_TP9		✓ RIN: 1.60	
17a_PU_6_TP10		✓ RIN: 1.50	
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_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 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

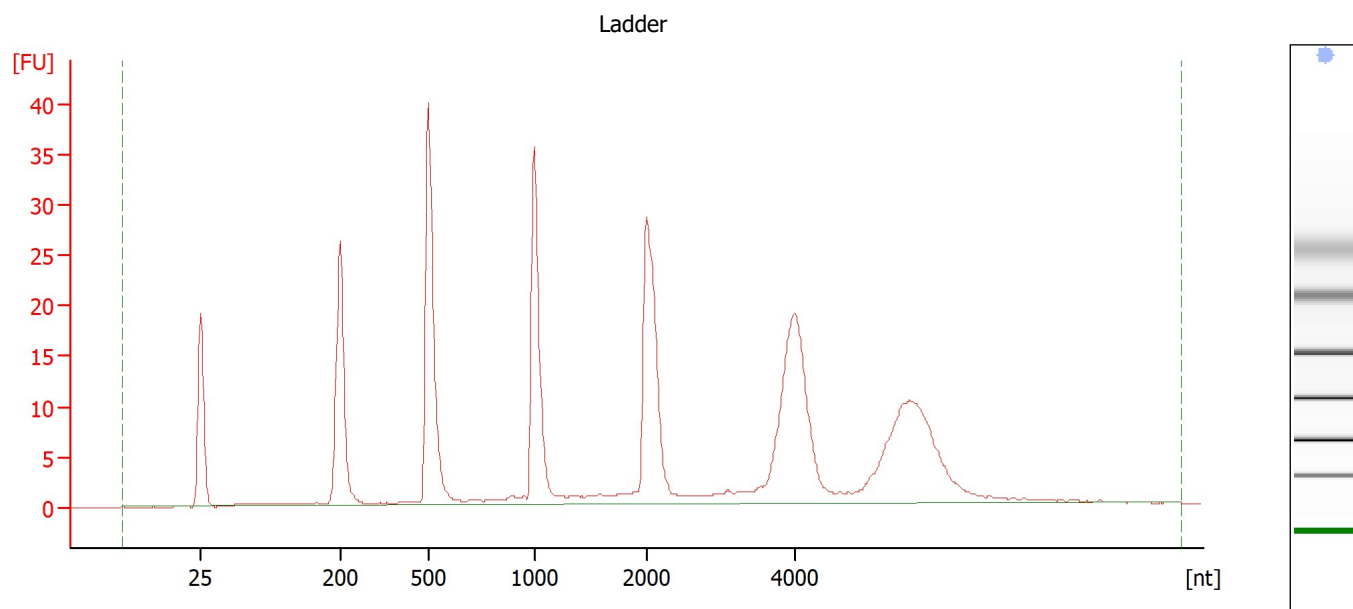
Ladder

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_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 314.2

Result Flagging Color:



RNA Concentration: 150 ng/μl

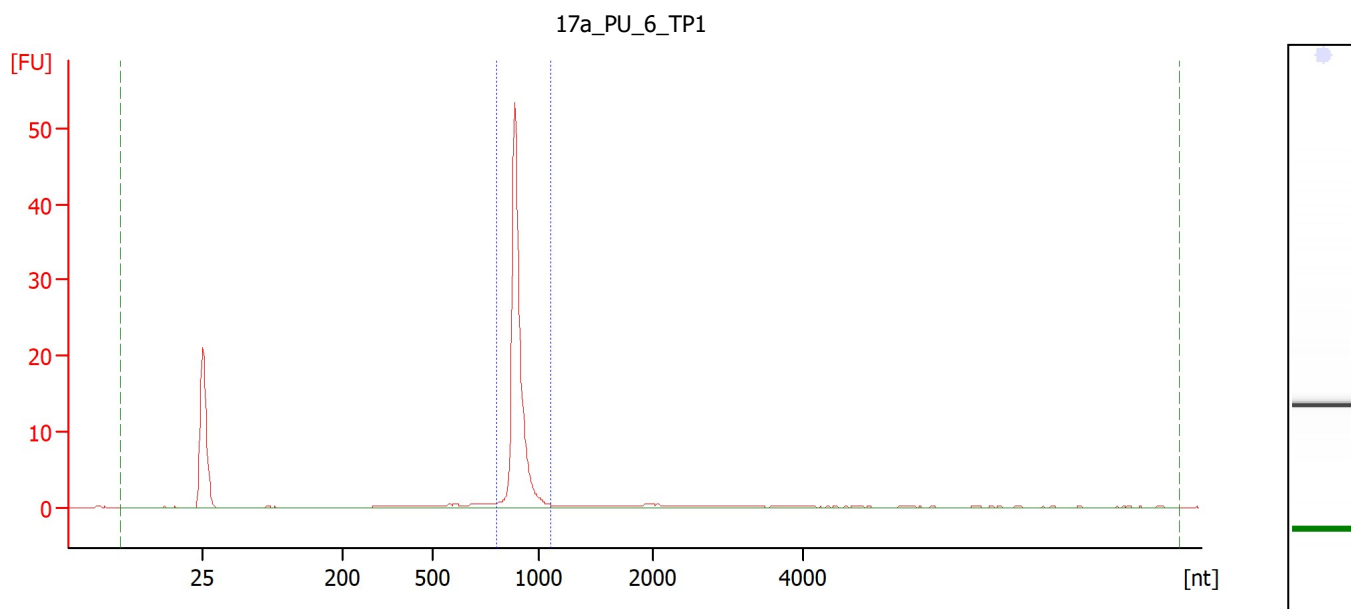
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 6 TP1

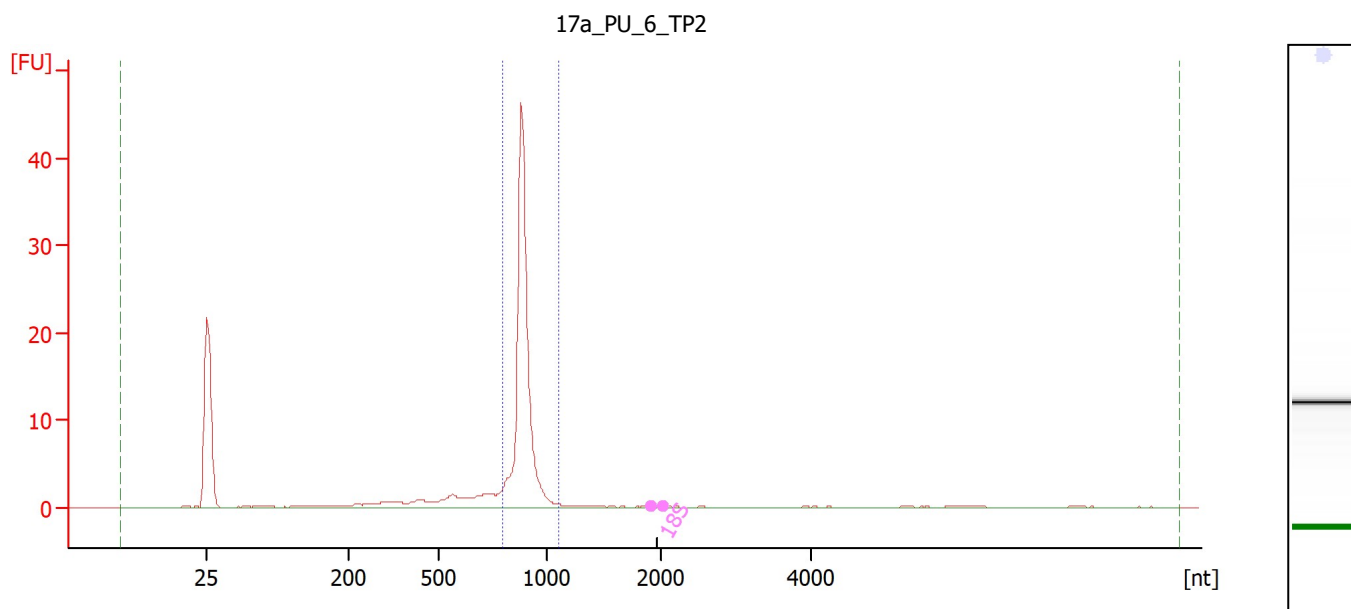
RNA Area:	78.0	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	66.0
RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 2 : 17a PU 6 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	66.0	85	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 6 TP2**

RNA Area:	88.8	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	64.9
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 6 TP2

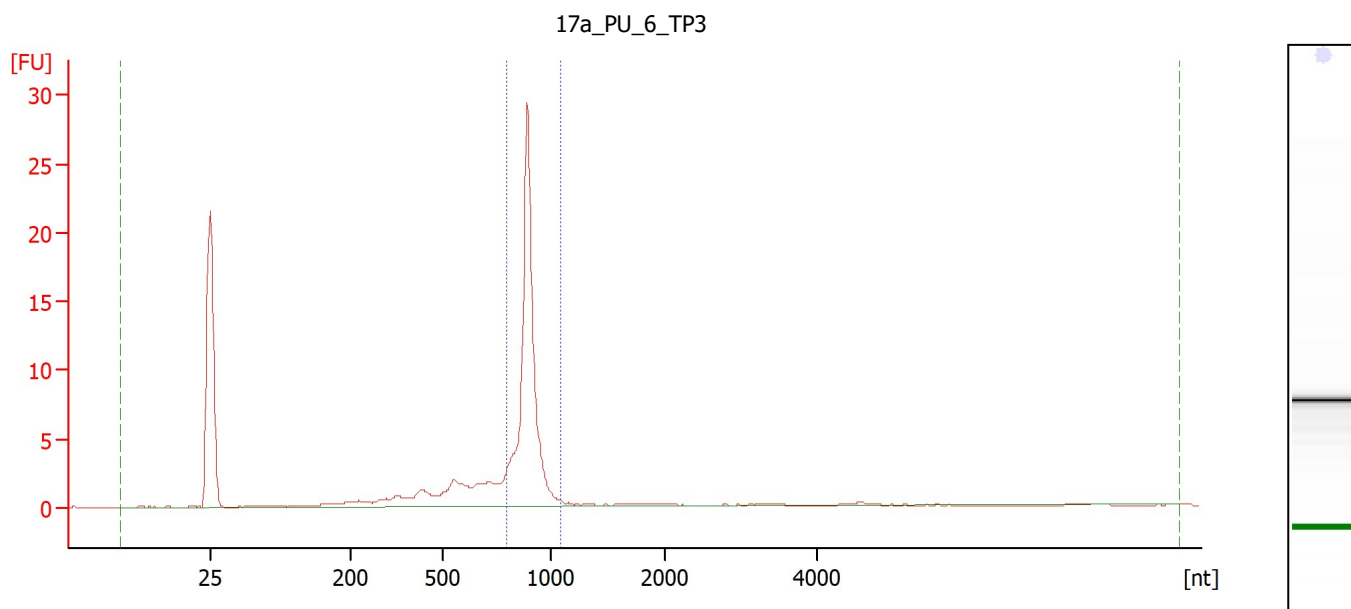
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,904	2,025	0.1	0.1

Region table for sample 3 : 17a PU 6 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	64.9	73	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 6 TP3**

RNA Area:	73.1	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	46.9
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

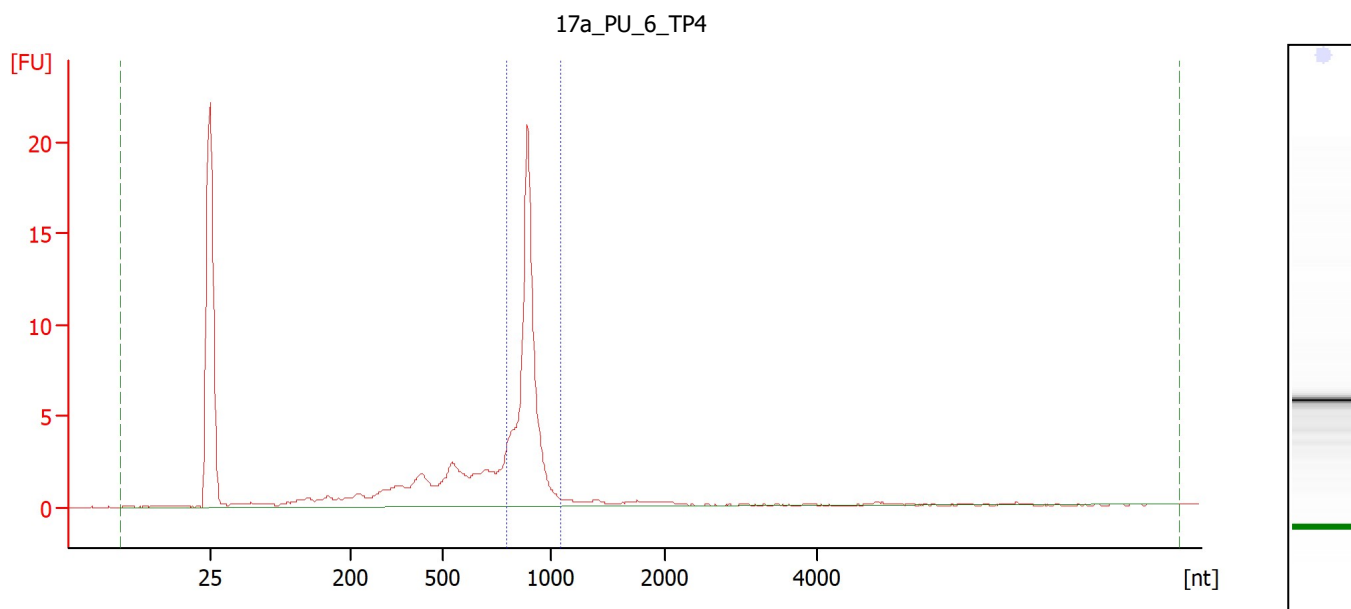
Region table for sample 4 : 17a PU 6 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	46.9	64	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 6 TP4

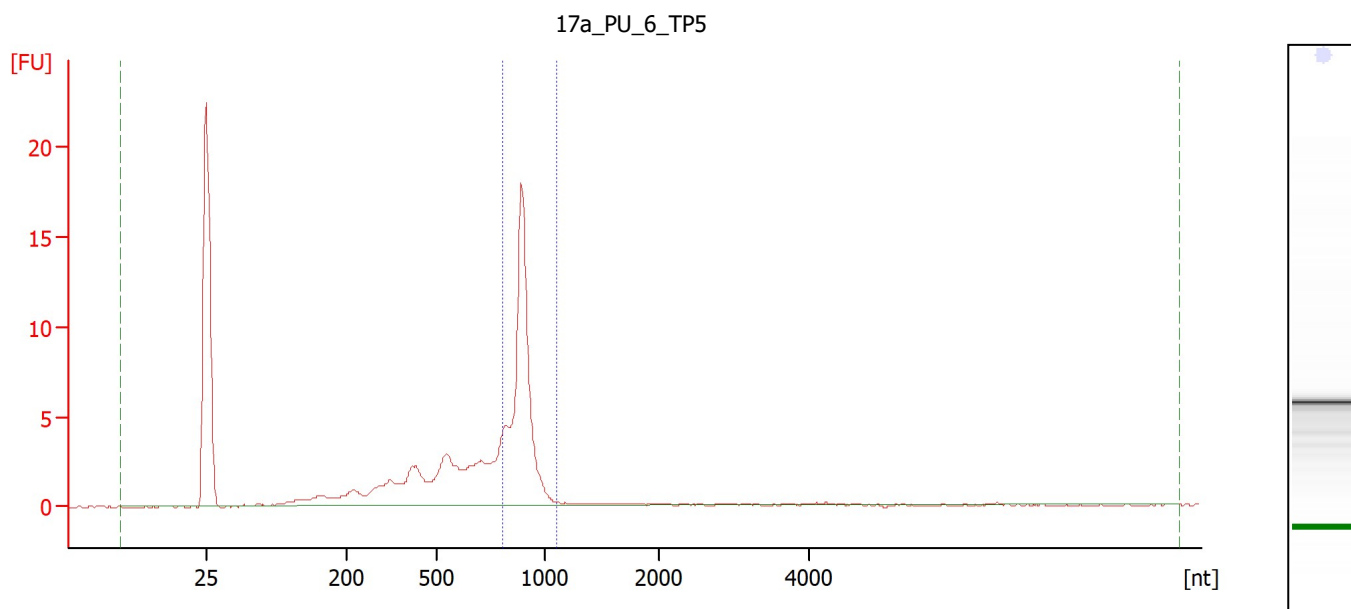
RNA Area:	80.4	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.7
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 5 : 17a PU 6 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.7	48	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

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

RNA Area:	78.2	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.8
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

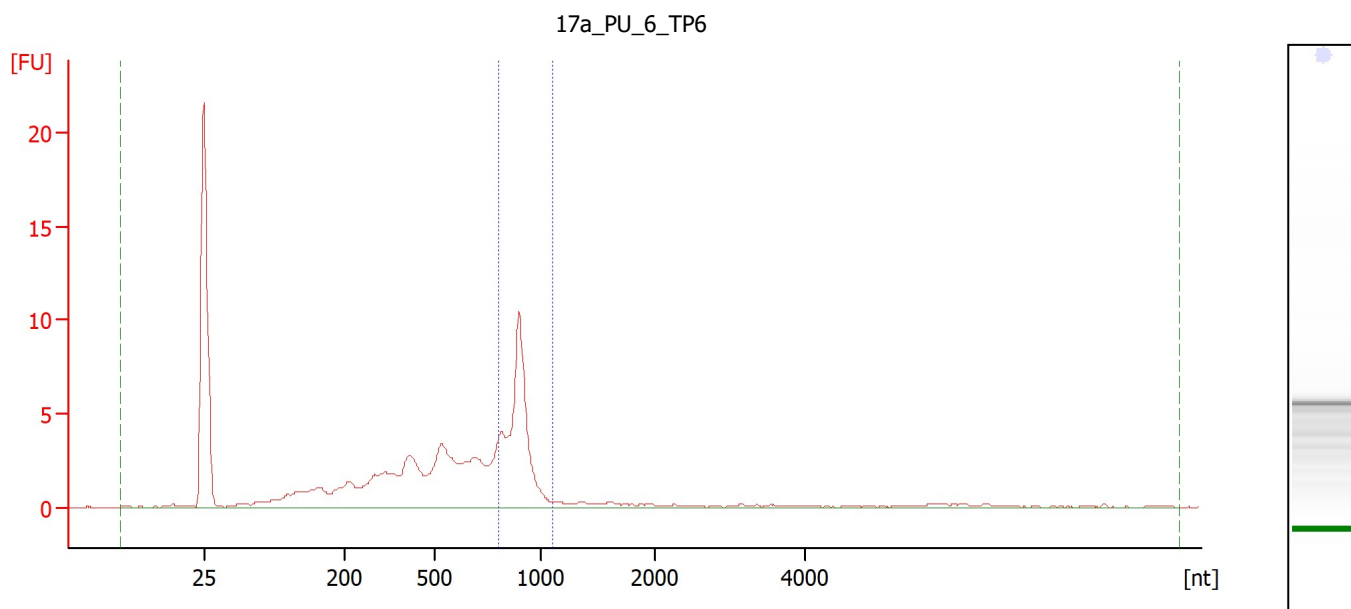
Region table for sample 6 : 17a PU 6 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	34.8	44	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 6 TP6

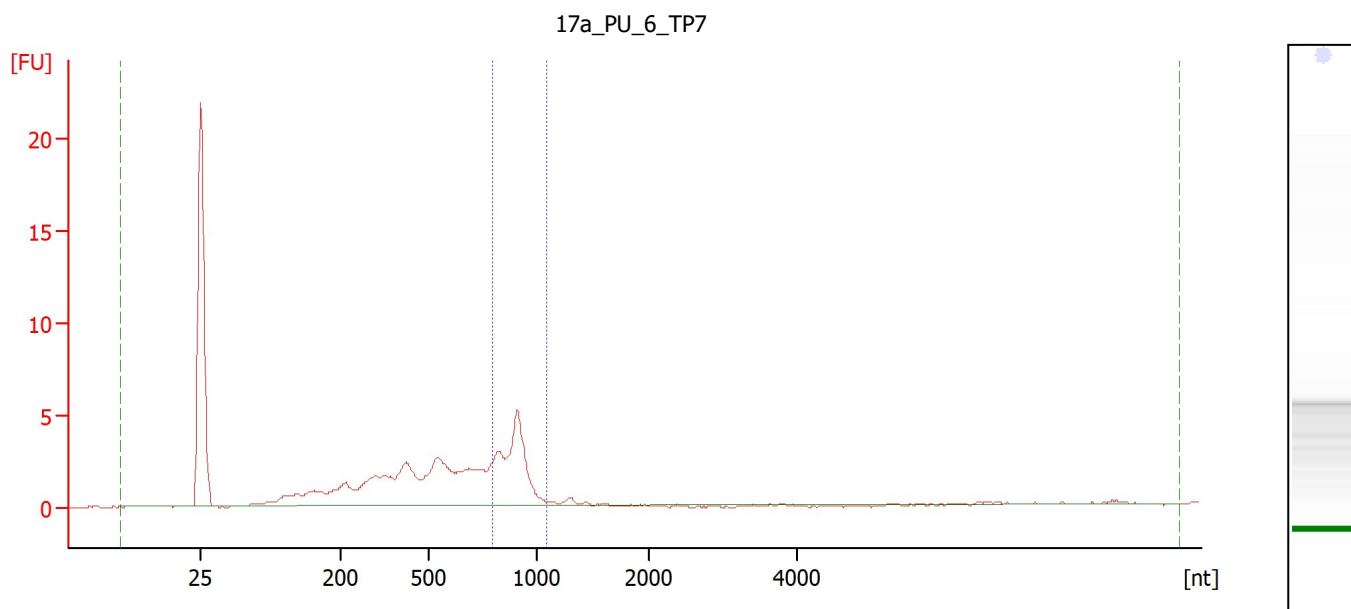
RNA Area:	85.7	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	24.8
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 7 : 17a PU 6 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	24.8	29	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 6 TP7**

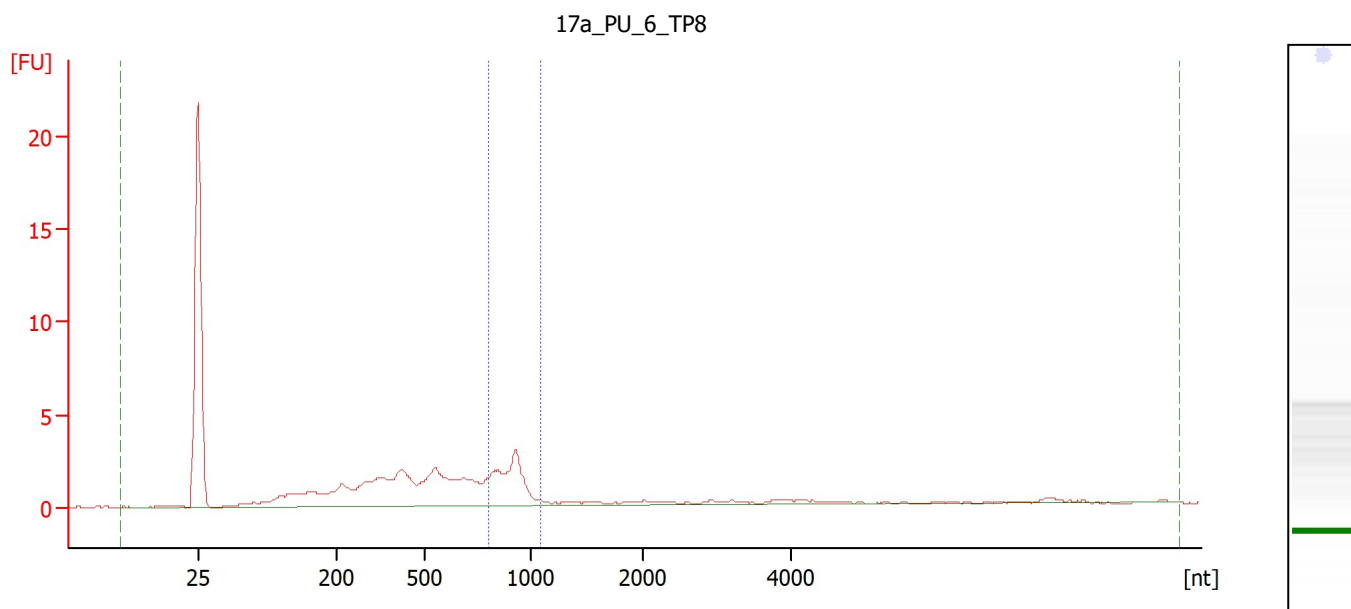
RNA Area:	61.2	Result Flagging Color:	
RNA Concentration:	29 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.5
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 8 : 17a PU 6 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	15.5	25	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 6 TP8**

RNA Area:	59.2	Result Flagging Color:	
RNA Concentration:	28 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.4
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

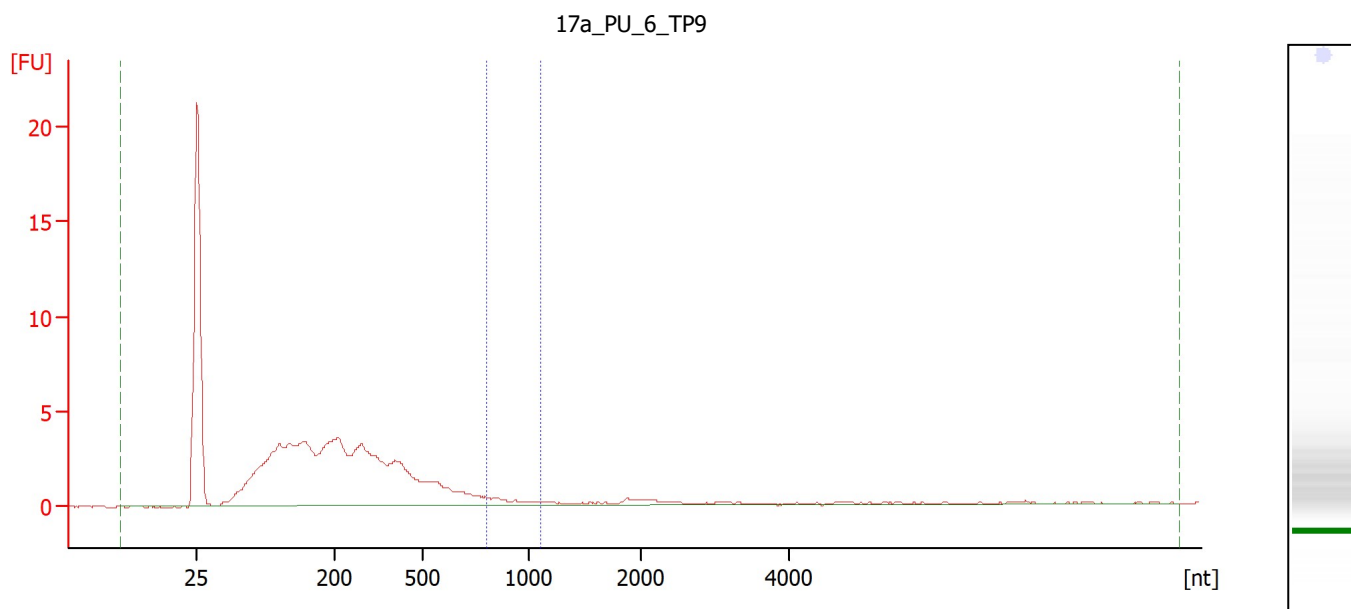
Region table for sample 9 : 17a PU 6 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	10.4	18	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 6 TP9

RNA Area:	87.4	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.5
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

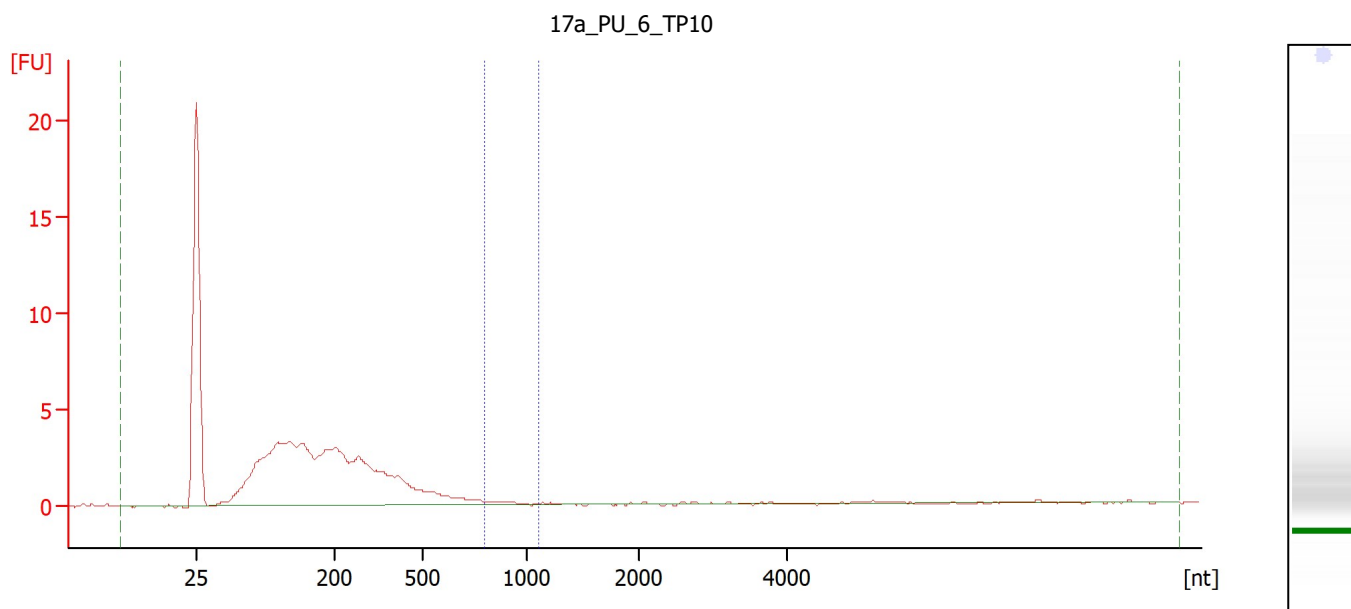
Region table for sample 10 : 17a PU 6 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.5	2	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
 Modified: 12/10/2020 3:01:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 6 TP10

RNA Area:	71.9	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	0.5
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 6 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	0.5	1	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_11-57-22.xad

Created: 12/10/2020 11:57:22 AM
Modified: 12/10/2020 3:01:05 PM

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