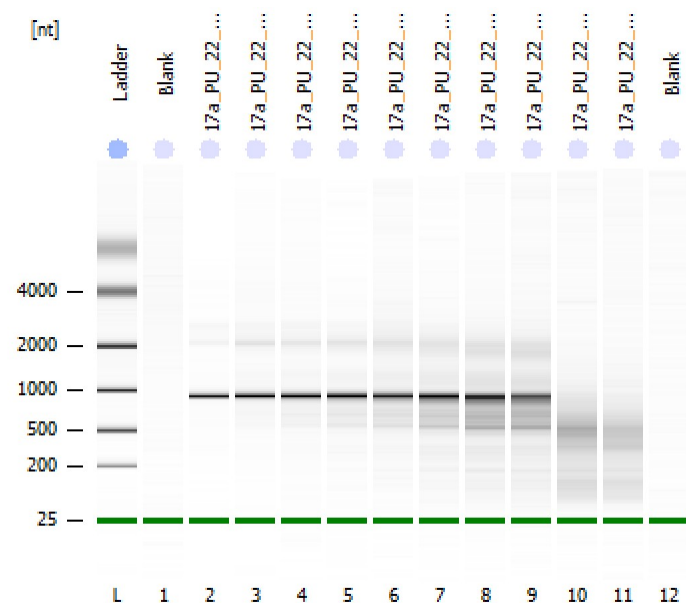


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
Modified: 12/11/2020 10:34:04 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)

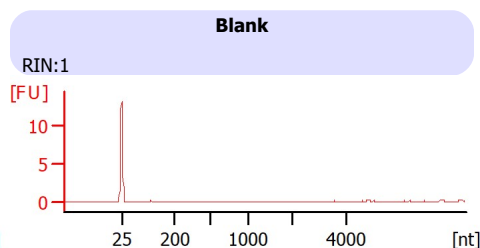
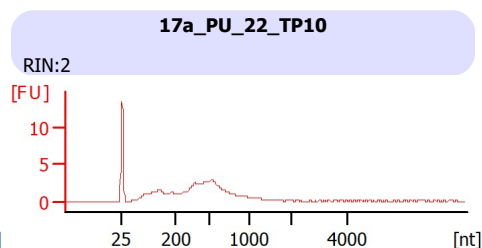
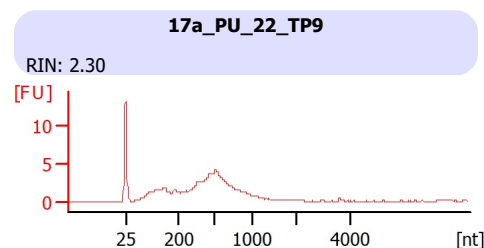
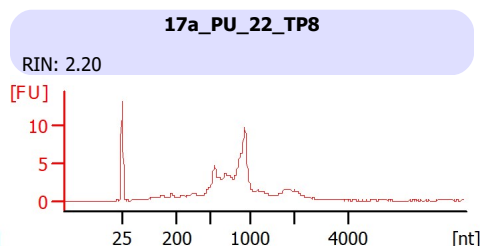
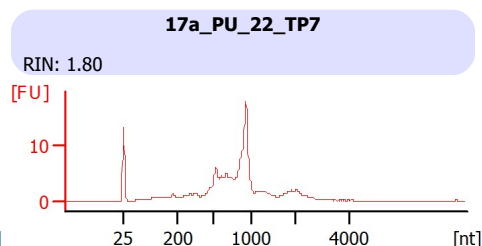
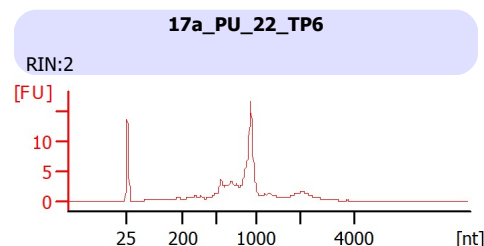
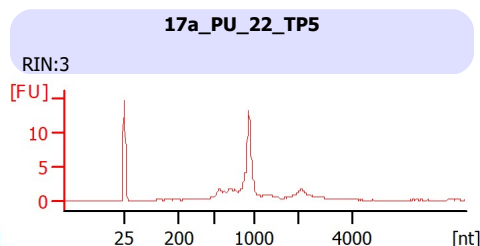
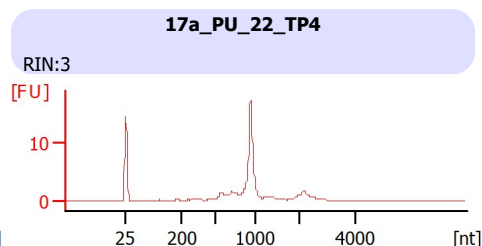
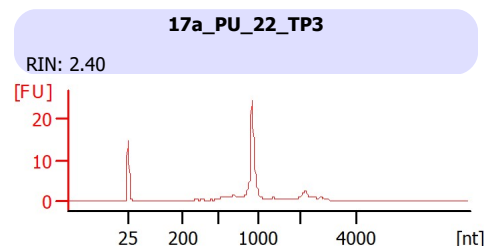
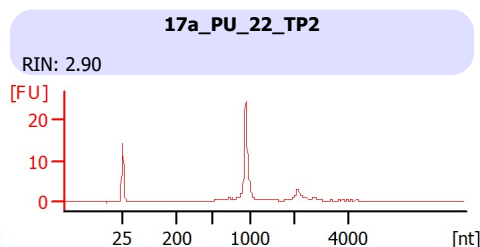
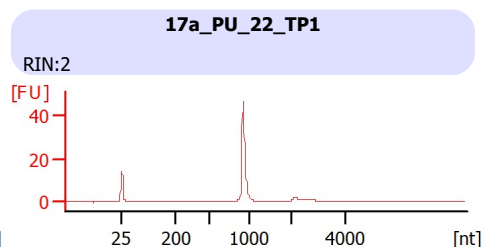
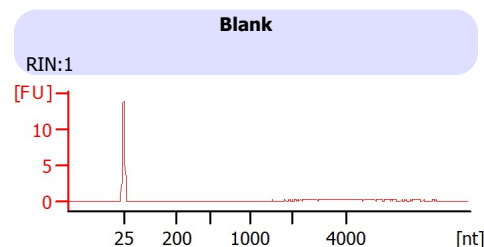
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Chip Information:

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_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
Modified: 12/11/2020 10:34:04 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_22_TP1		✓ RIN:2	
17a_PU_22_TP2		✓ RIN: 2.90	
17a_PU_22_TP3		✓ RIN: 2.40	
17a_PU_22_TP4		✓ RIN:3	
17a_PU_22_TP5		✓ RIN:3	
17a_PU_22_TP6		✓ RIN:2	
17a_PU_22_TP7		✓ RIN: 1.80	
17a_PU_22_TP8		✓ RIN: 2.20	
17a_PU_22_TP9		✓ RIN: 2.30	
17a_PU_22_TP10		✓ RIN:2	
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_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
Modified: 12/11/2020 10:34:04 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

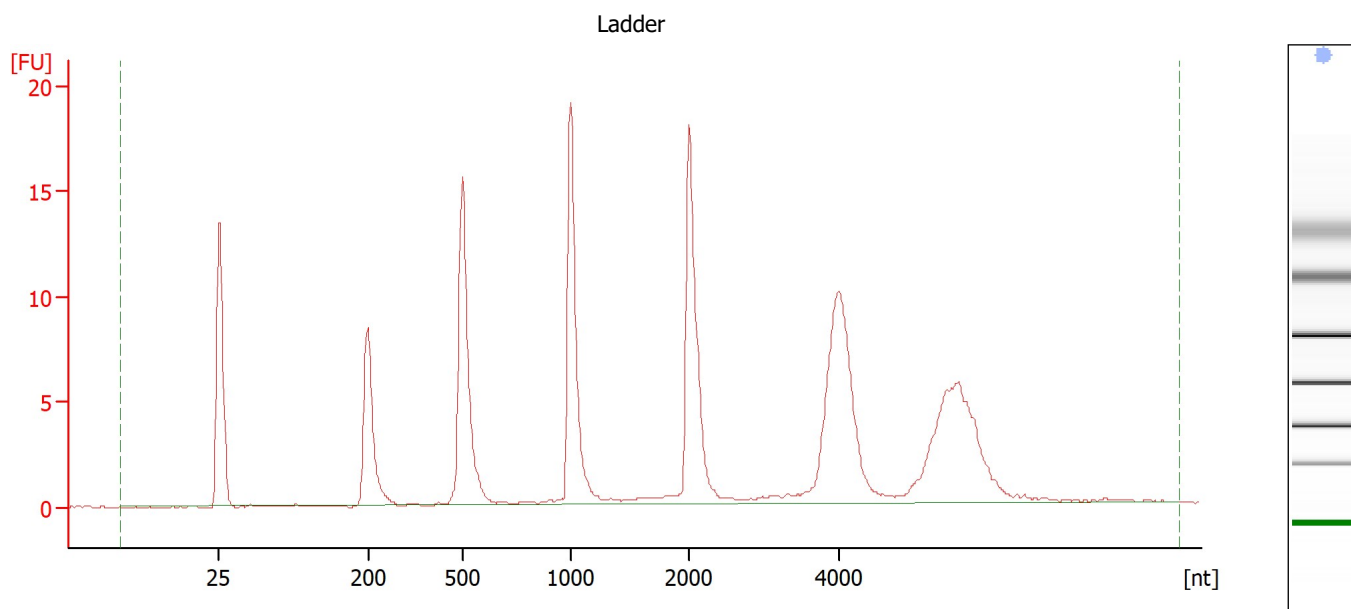
Ladder

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_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 135.4

Result Flagging Color:



RNA Concentration: 150 ng/μl

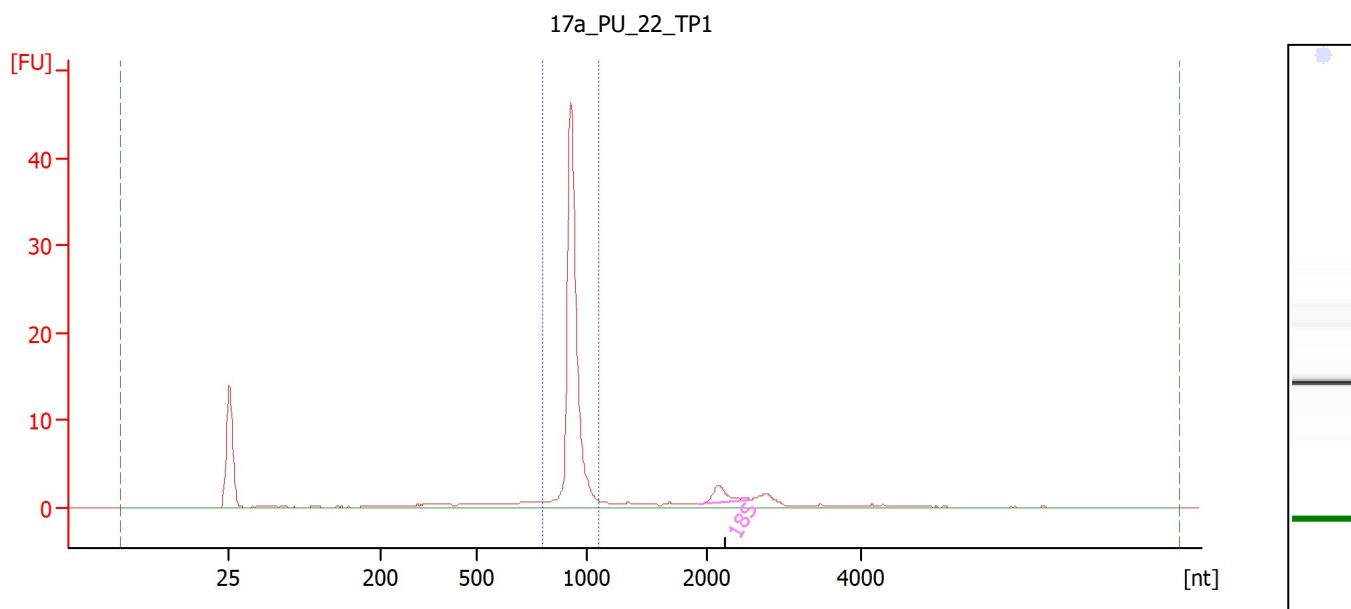
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 17a PU 22 TP1

RNA Area:	85.3	Result Flagging Color:	
RNA Concentration:	94 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	56.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 22 TP1

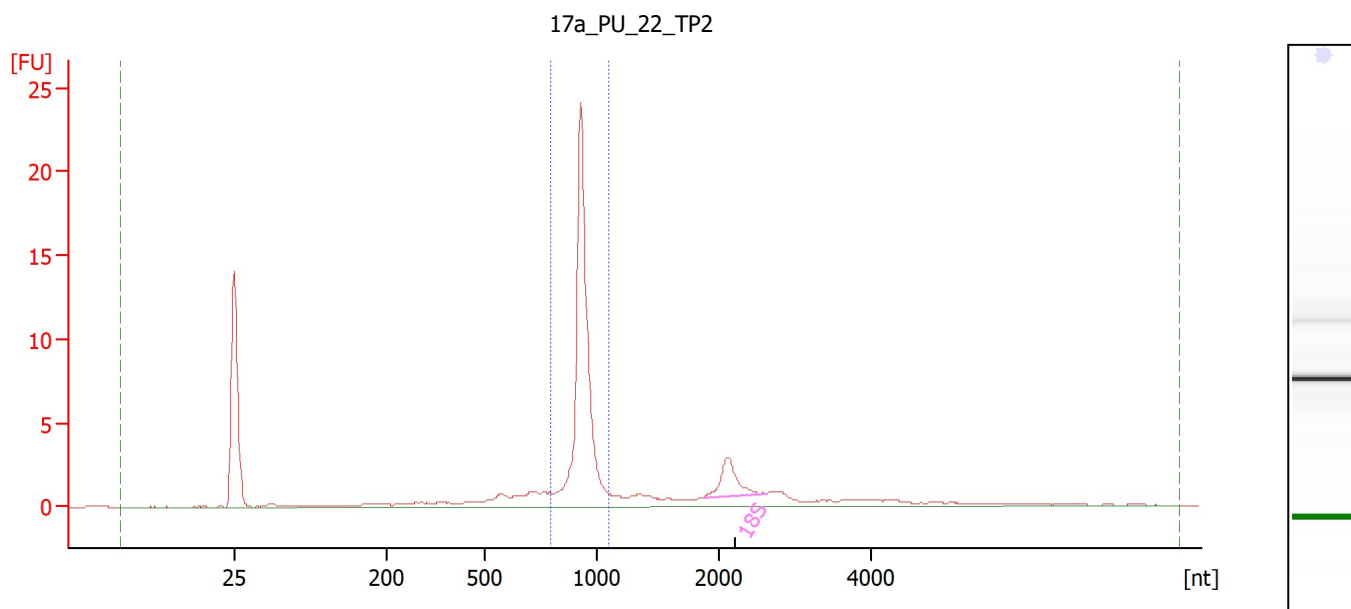
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,927	2,571	3.1	3.7

Region table for sample 2 : 17a PU 22 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	56.9	67	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 22 TP2**

RNA Area:	67.7	Result Flagging Color:	
RNA Concentration:	75 ng/μl	Result Flagging Label:	RIN: 2.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	35.9
RNA Integrity Number (RIN):	2.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 22 TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,870	2,627	4.2	6.3

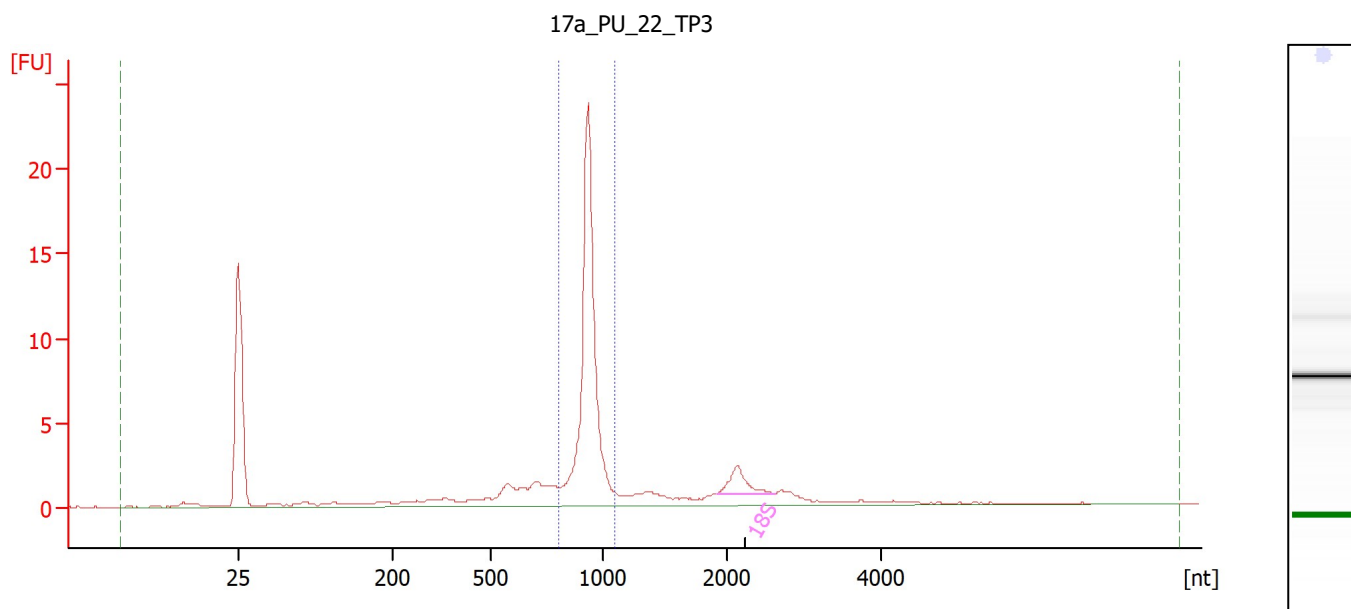
Region table for sample 3 : 17a PU 22 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	35.9	53	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17a PU 22 TP3

RNA Area:	74.9	Result Flagging Color:	
RNA Concentration:	83 ng/μl	Result Flagging Label:	RIN: 2.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.3
RNA Integrity Number (RIN):	2.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 22 TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,926	2,627	3.1	4.1

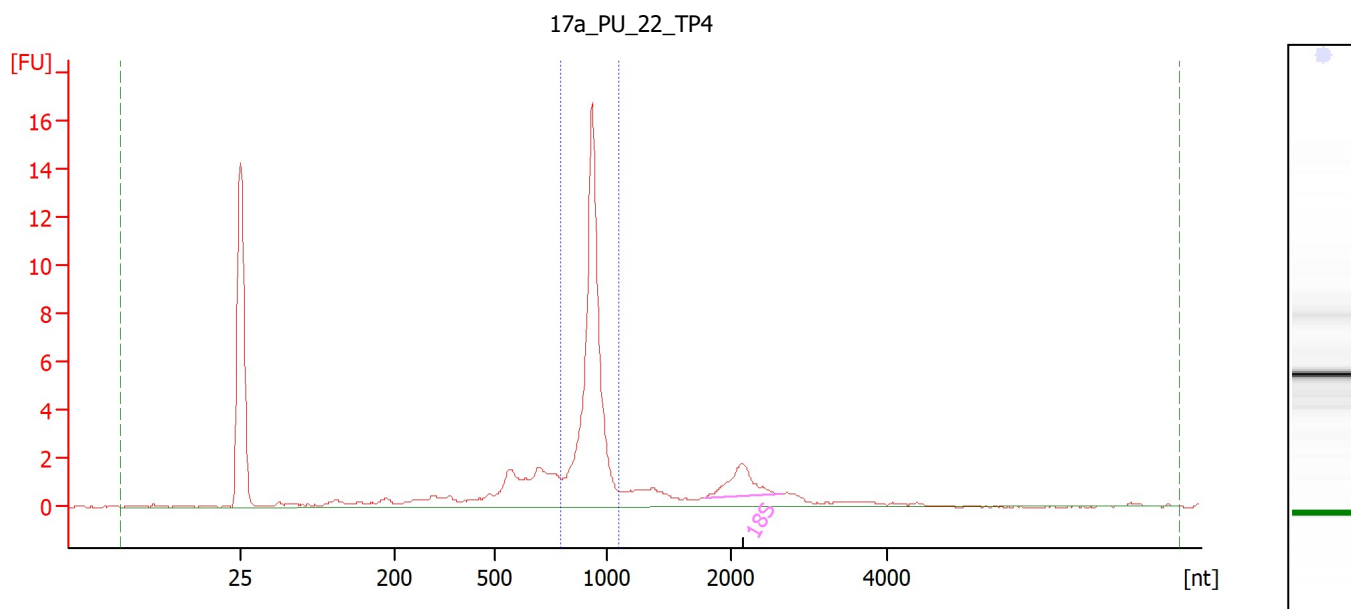
Region table for sample 4 : 17a PU 22 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.3	51	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 22 TP4

RNA Area:	61.8	Result Flagging Color:	
RNA Concentration:	68 ng/μl	Result Flagging Label:	RIN:3
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	30.5
RNA Integrity Number (RIN):	3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 22 TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,790	2,641	3.8	6.1

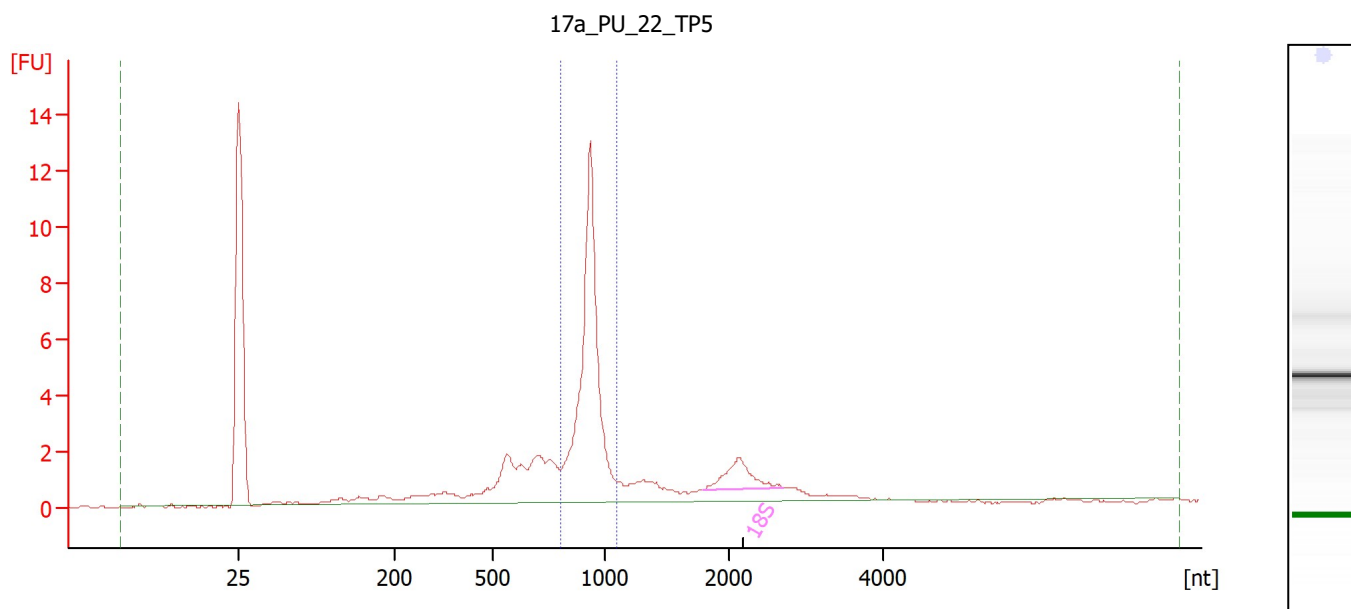
Region table for sample 5 : 17a PU 22 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	30.5	49	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 22 TP5

RNA Area:	57.9	Result Flagging Color:	
RNA Concentration:	64 ng/μl	Result Flagging Label:	RIN:3
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	26.2
RNA Integrity Number (RIN):	3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 6 : 17a PU 22 TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,797	2,709	3.3	5.8

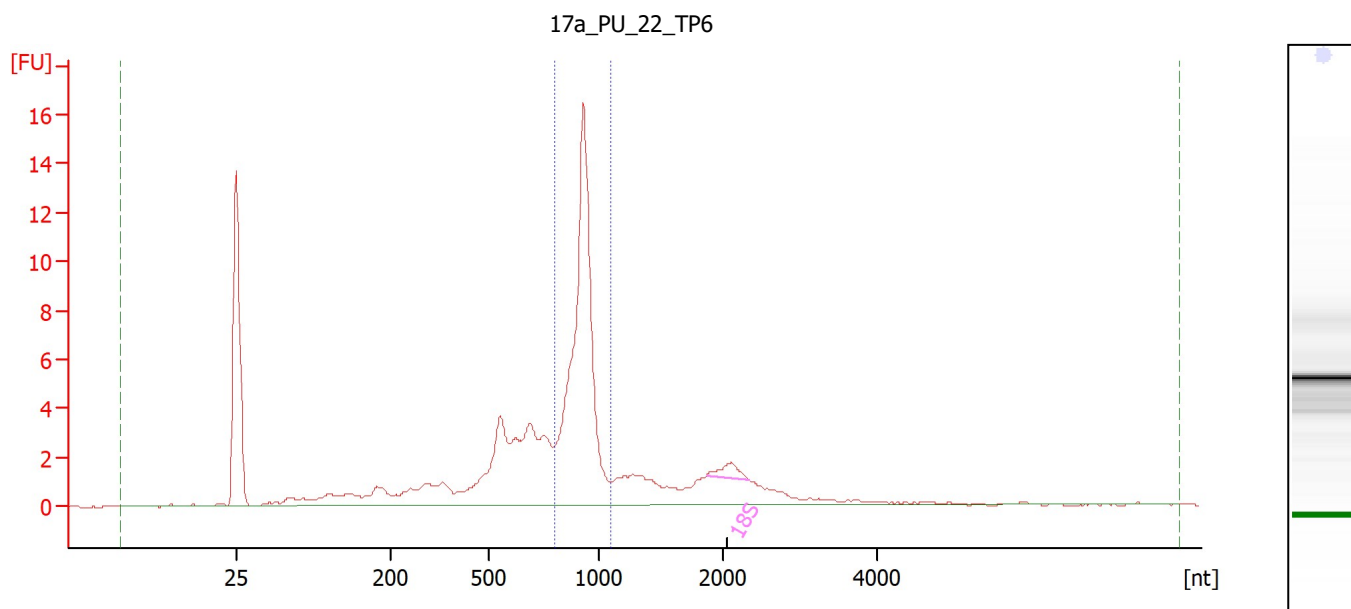
Region table for sample 6 : 17a PU 22 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	26.2	45	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 22 TP6

RNA Area:	97.3	Result Flagging Color:	
RNA Concentration:	108 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	37.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : 17a PU 22 TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,872	2,337	1.3	1.4

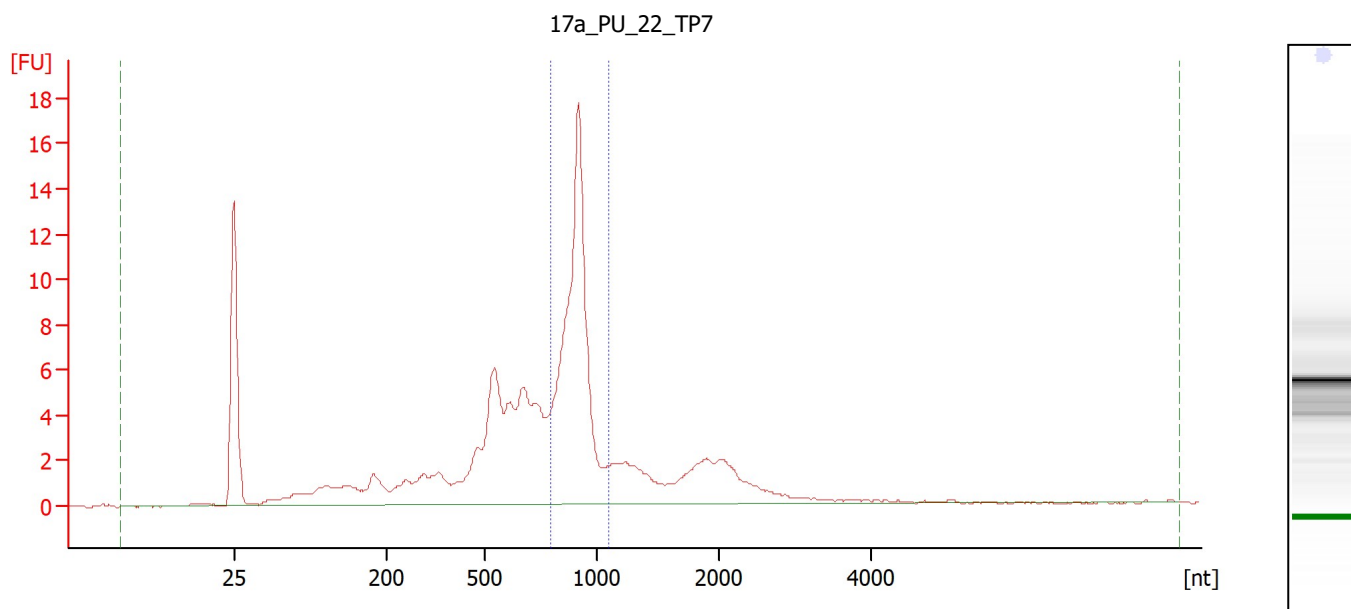
Region table for sample 7 : 17a PU 22 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	37.9	39	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a PU 22 TP7

RNA Area:	141.3	Result Flagging Color:	
RNA Concentration:	157 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	46.8
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

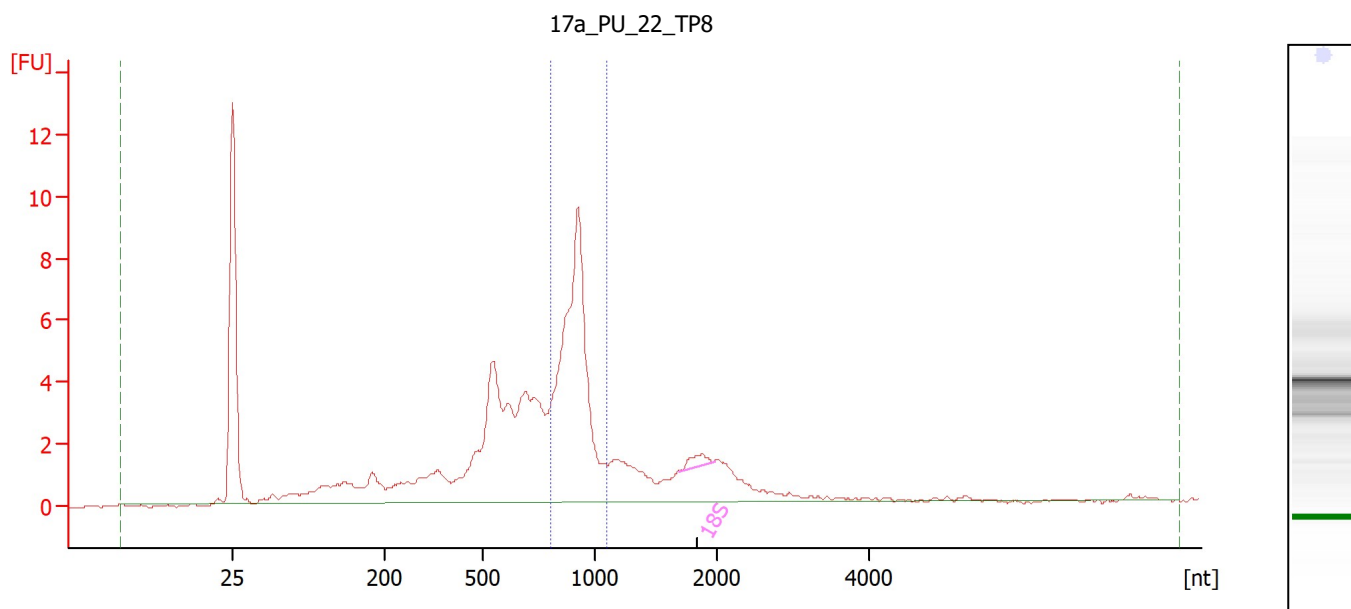
Region table for sample 8 : 17a PU 22 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	46.8	33	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 22 TP8

RNA Area:	97.1	Result Flagging Color:	
RNA Concentration:	108 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	30.2
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 9 : 17a PU 22 TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,983	0.7	0.7

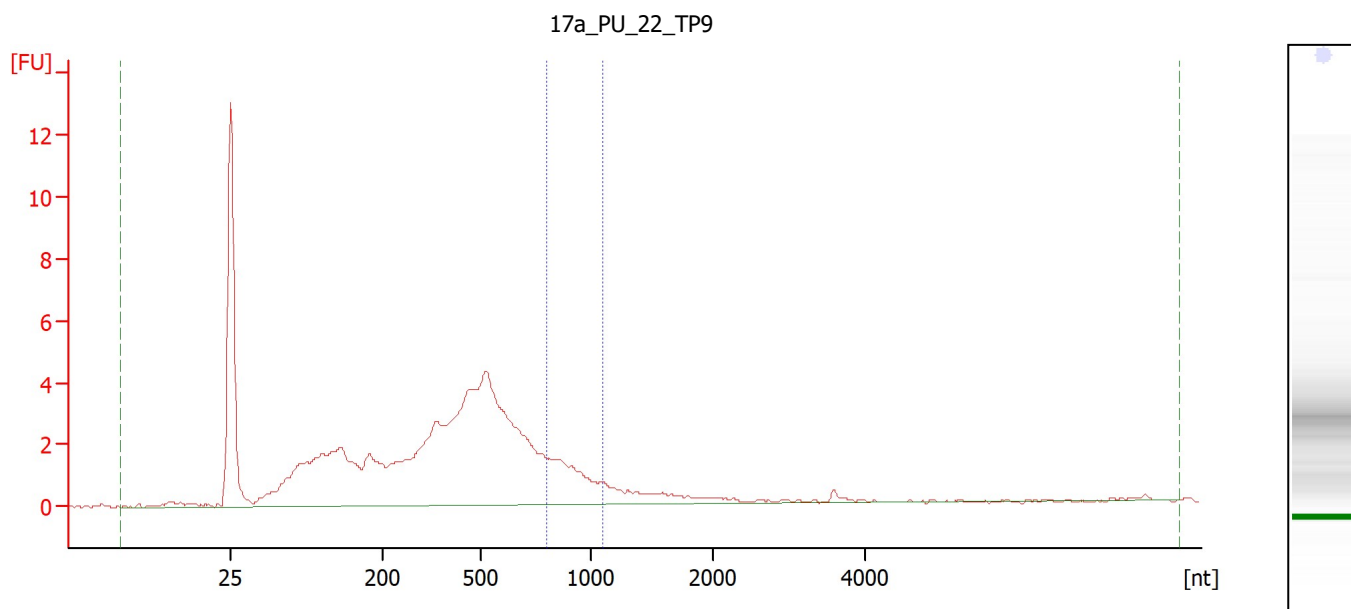
Region table for sample 9 : 17a PU 22 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	30.2	31	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_22_TP9

RNA Area:	92.6	Result Flagging Color:	
RNA Concentration:	103 ng/μl	Result Flagging Label:	RIN: 2.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.4
RNA Integrity Number (RIN):	2.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

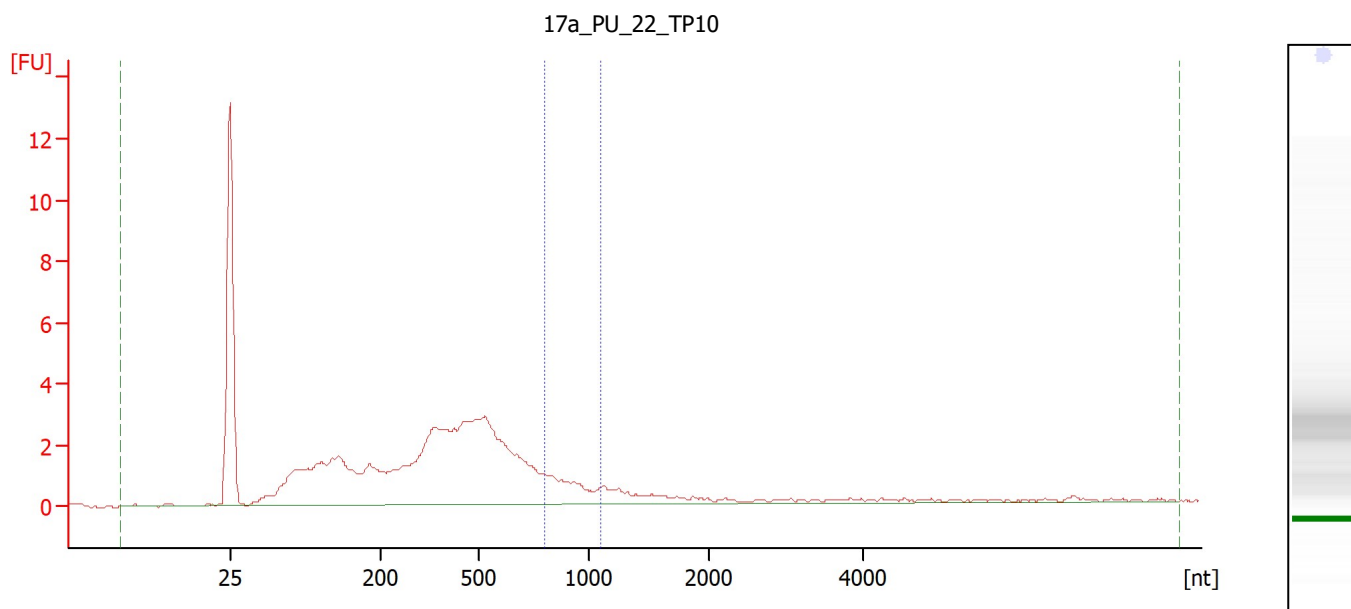
Region table for sample 10 : 17a_PU_22_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.4	8	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
 Modified: 12/11/2020 10:34:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 22 TP10

RNA Area:	74.1	Result Flagging Color:	
RNA Concentration:	82 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	4.4
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 22 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	4.4	6	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-11\Eukaryote Total RNA Nano_2020-12-11_09-26-01.xad

Created: 12/11/2020 9:26:00 AM
Modified: 12/11/2020 10:34:04 AM

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