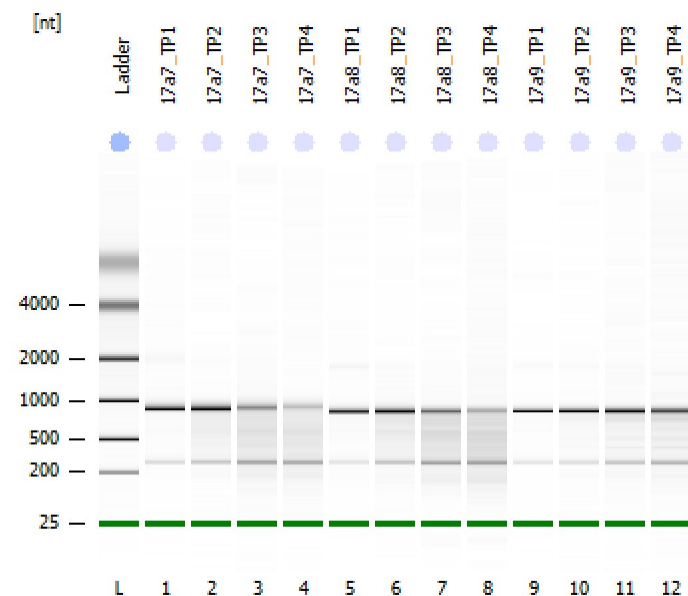


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

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)

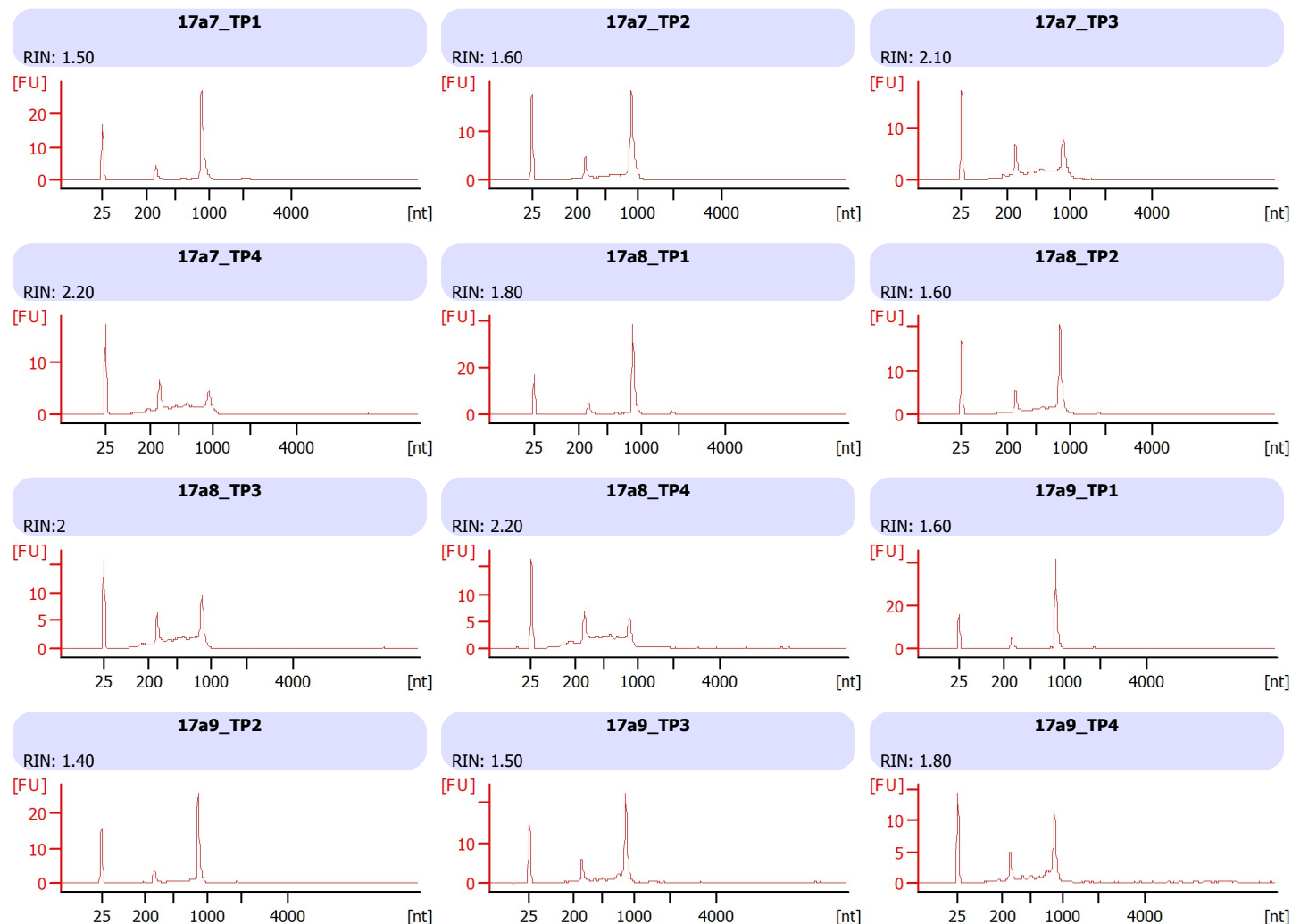
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
17a7_TP1		✓ RIN: 1.50	
17a7_TP2		✓ RIN: 1.60	
17a7_TP3		✓ RIN: 2.10	
17a7_TP4		✓ RIN: 2.20	
17a8_TP1		✓ RIN: 1.80	
17a8_TP2		✓ RIN: 1.60	
17a8_TP3		✓ RIN:2	
17a8_TP4		✓ RIN: 2.20	
17a9_TP1		✓ RIN: 1.60	
17a9_TP2		✓ RIN: 1.40	
17a9_TP3		✓ RIN: 1.50	
17a9_TP4		✓ RIN: 1.80	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 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

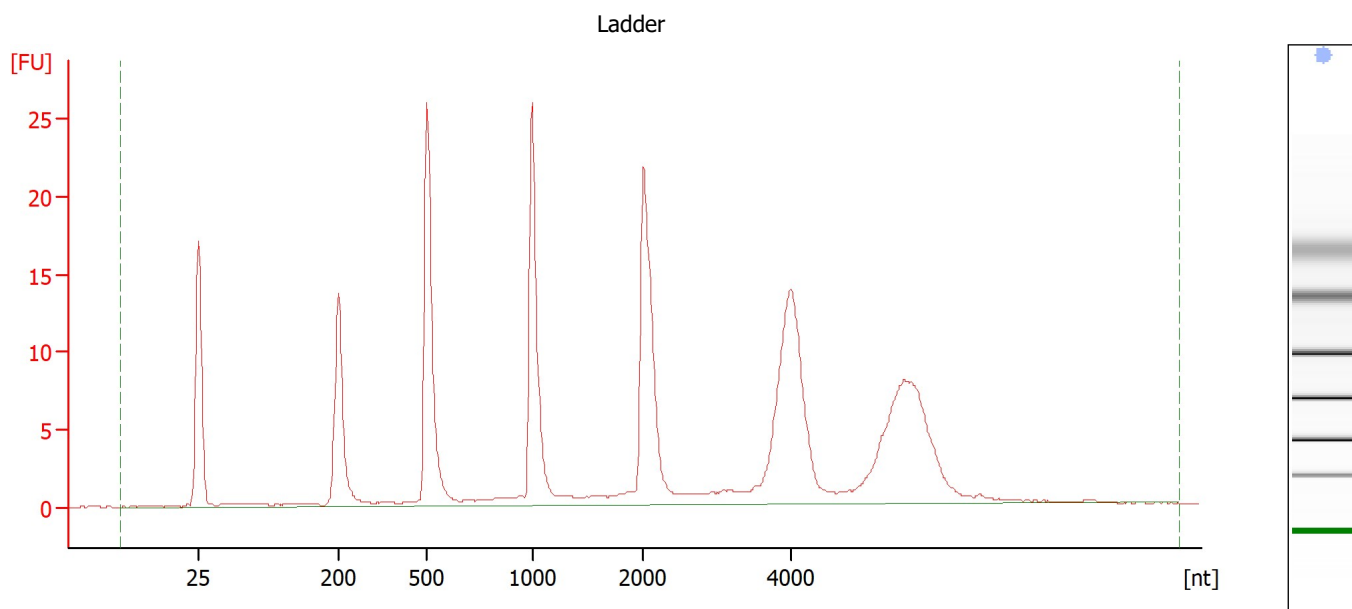
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 215.6

Result Flagging Color:



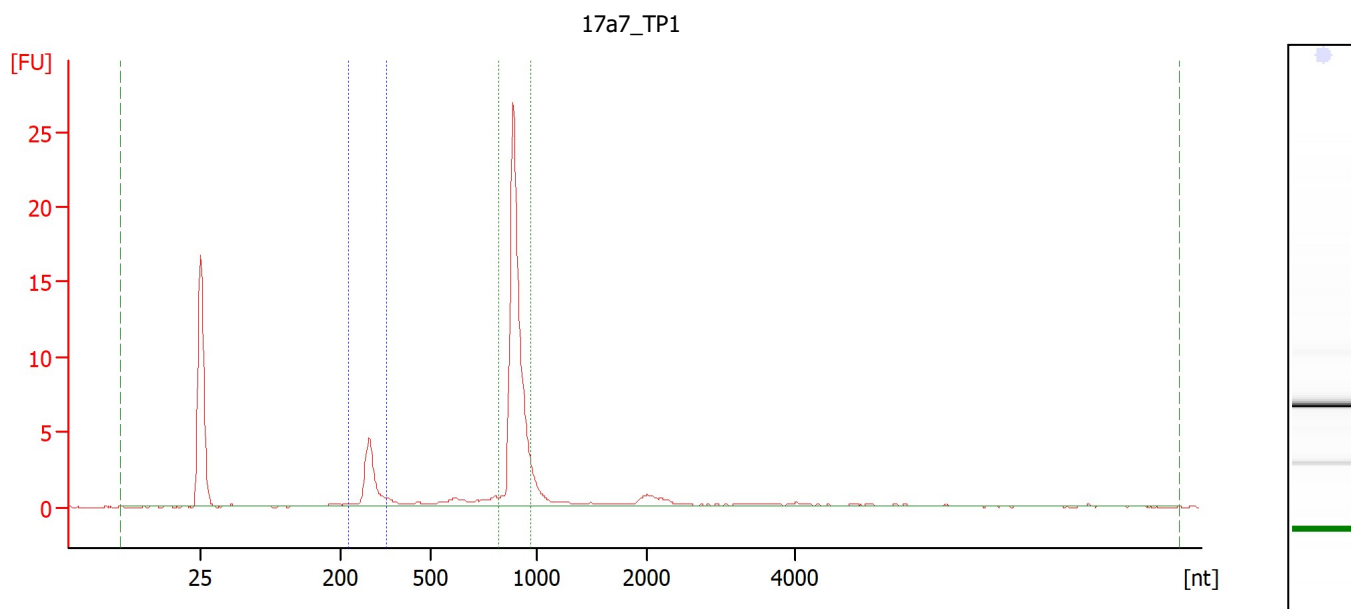
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a7 TP1**

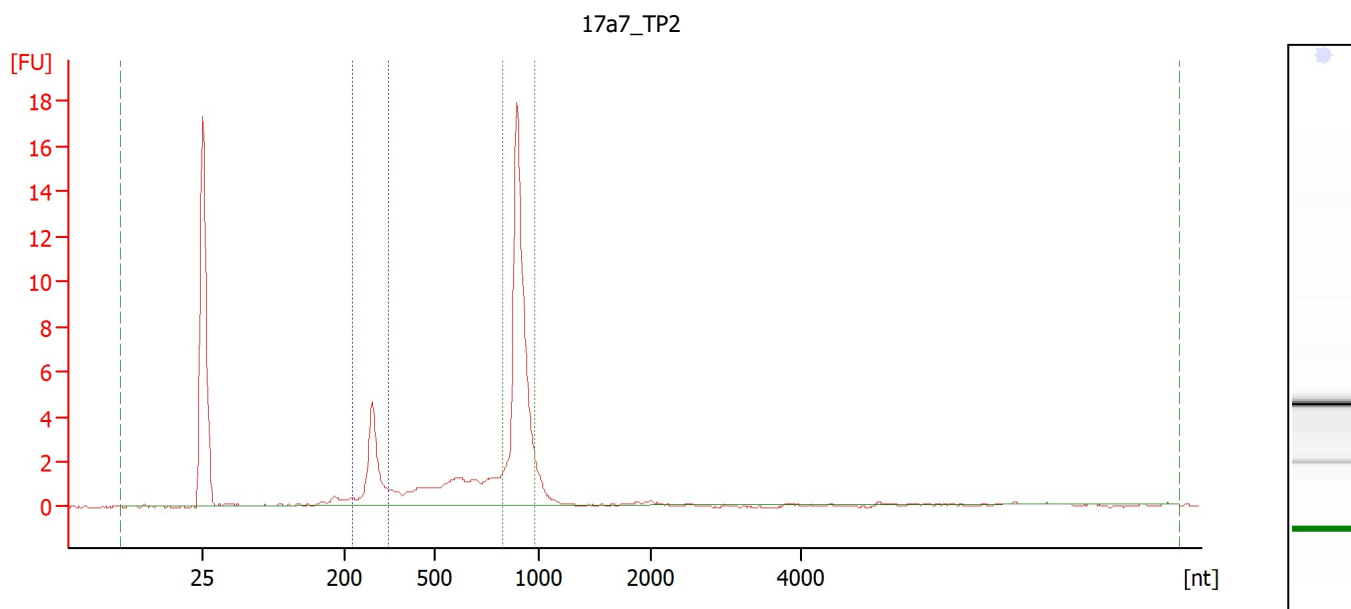
RNA Area:	62.0	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.7
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	36.5

Region table for sample 1 : 17a7 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	7.7	12	
Region 2	825	975	36.5	59	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a7_TP2**

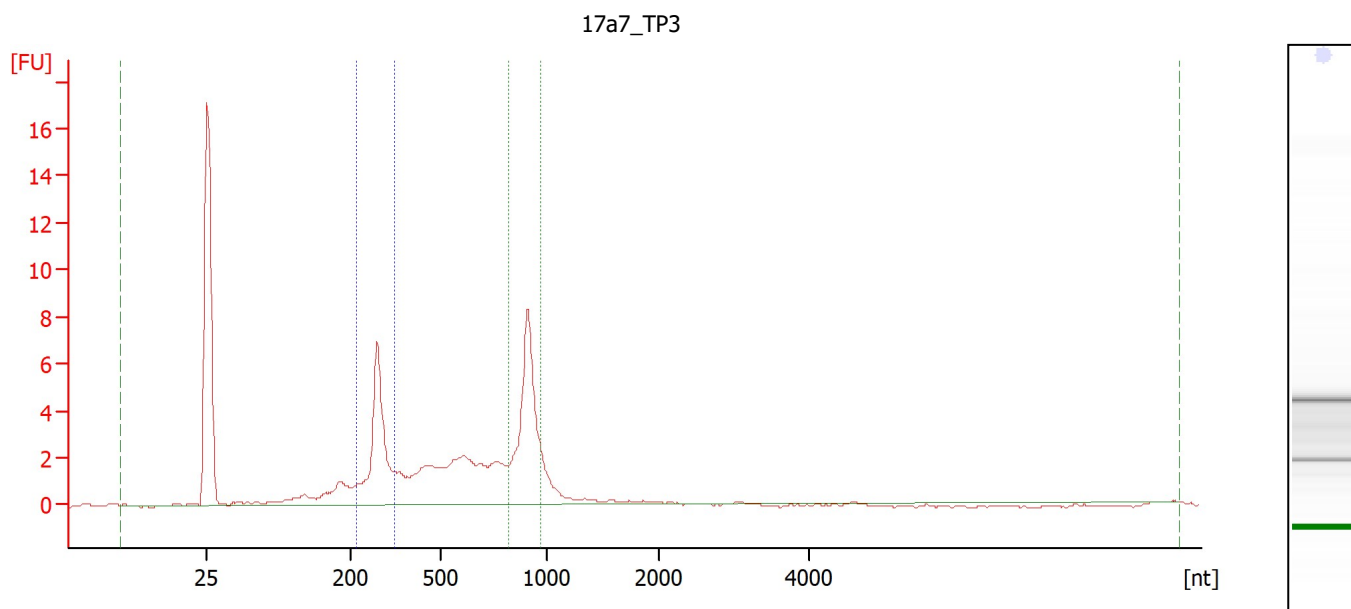
RNA Area:	54.9	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.2
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	28.1

Region table for sample 2 : 17a7_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.2	15	
Region 2	825	975	28.1	51	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a7 TP3**

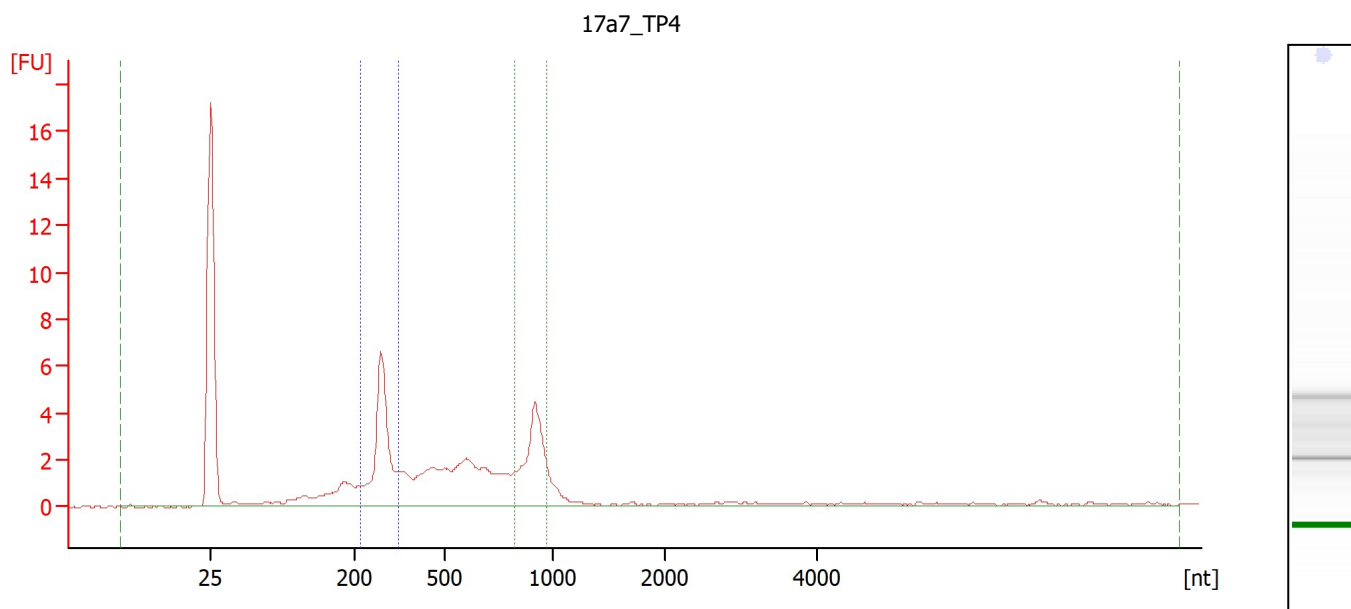
RNA Area:	66.1	Result Flagging Color:	
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.3
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	16.3

Region table for sample 3 : 17a7 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	14.3	22	
Region 2	825	975	16.3	25	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a7 TP4**

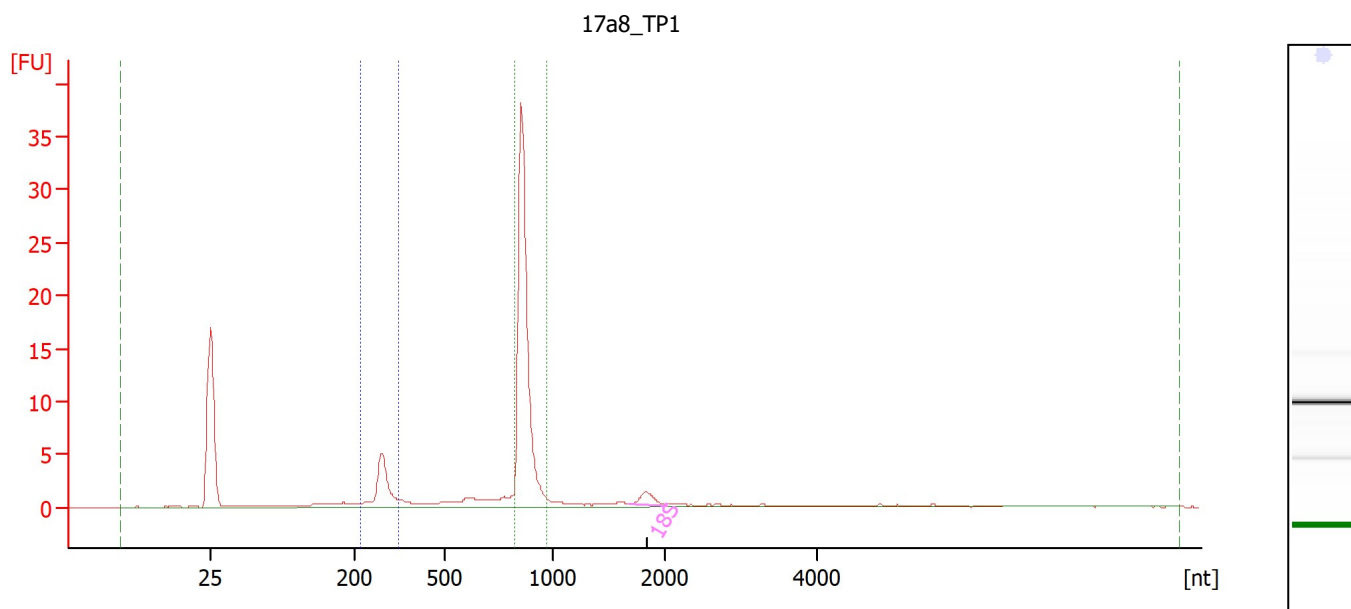
RNA Area:	60.3	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.1
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	9.9

Region table for sample 4 : 17a7 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	14.1	23	
Region 2	825	975	9.9	16	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a8_TP1**

RNA Area:	78.7	Result Flagging Color:	
RNA Concentration:	55 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	9.4
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	47.0

Fragment table for sample 5 : 17a8_TP1

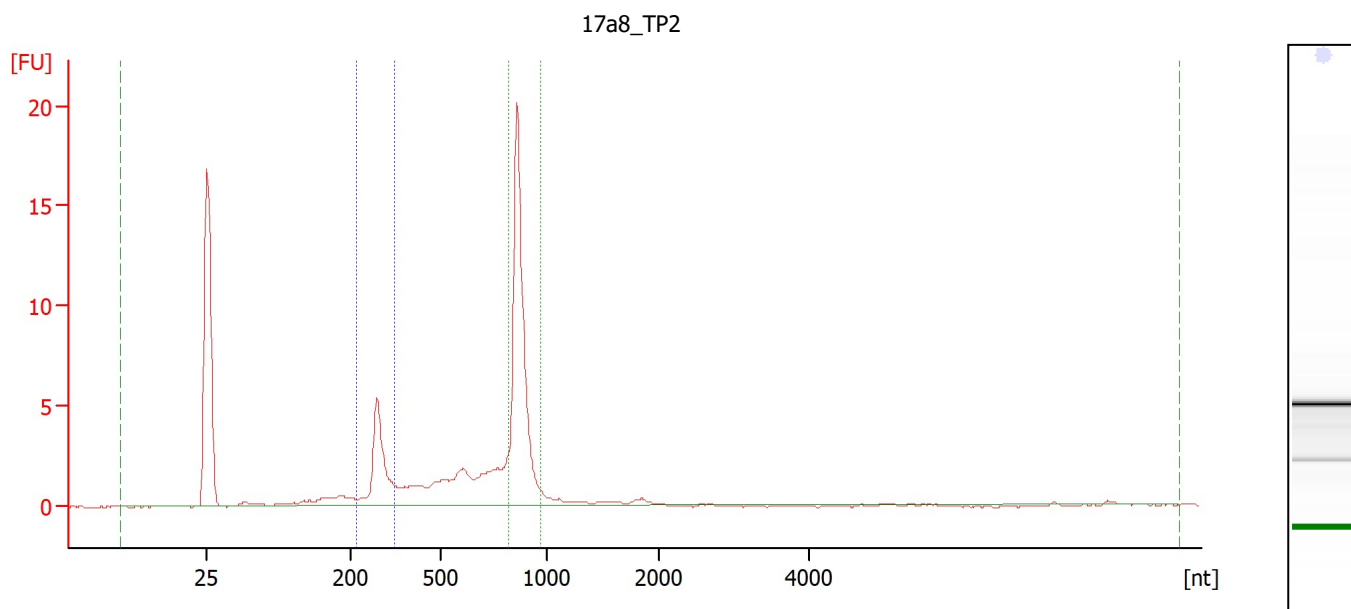
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	2,001	1.9	2.4

Region table for sample 5 : 17a8_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	9.4	12	
Region 2	825	975	47.0	60	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a8_TP2**

RNA Area:	65.0	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.1
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	28.7

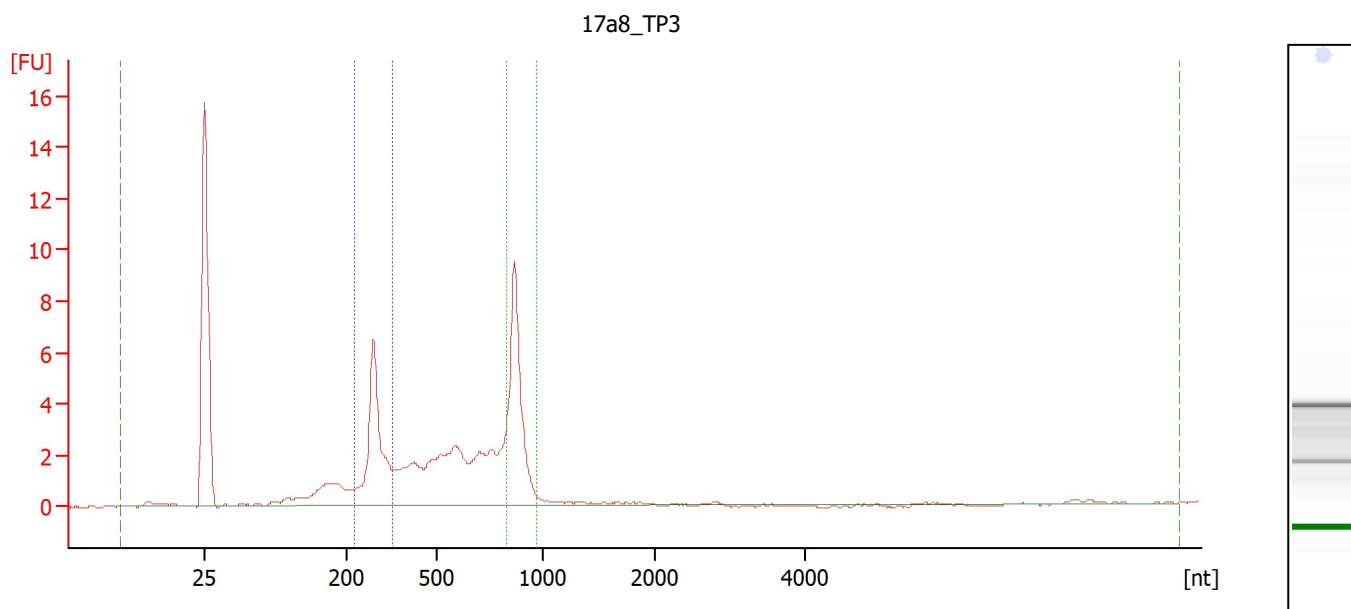
Region table for sample 6 : 17a8_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.1	15	
Region 2	825	975	28.7	44	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a8_TP3

RNA Area:	66.3	Result Flagging Color:	
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	13.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	15.5

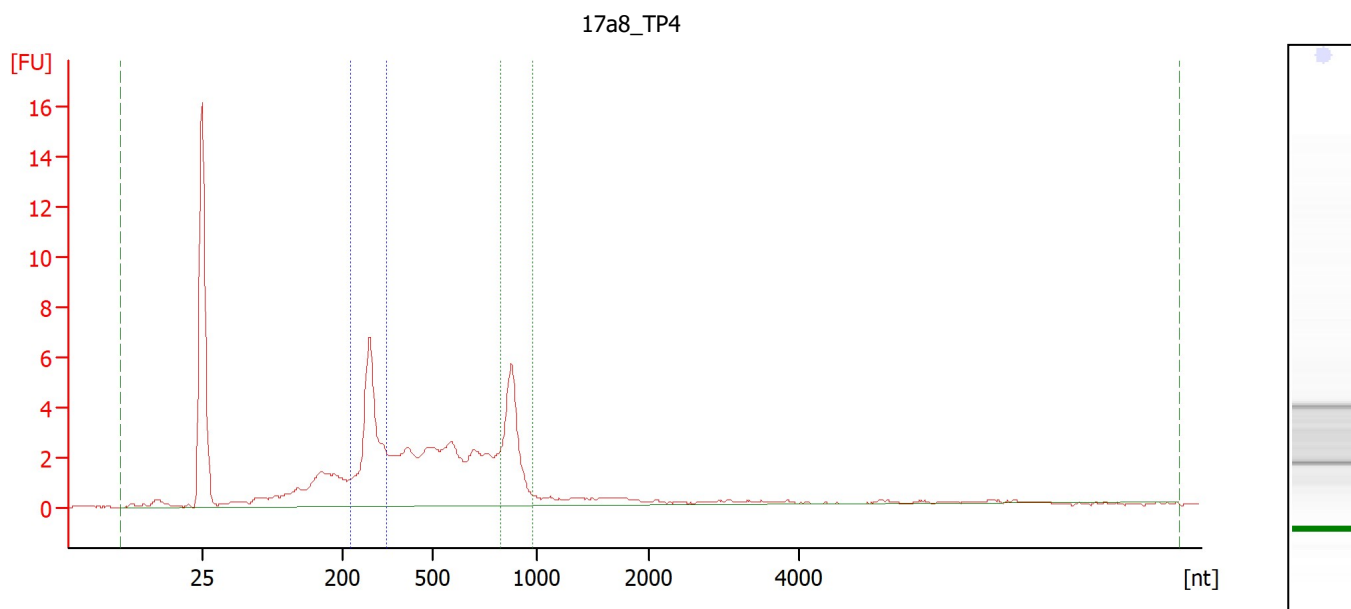
Region table for sample 7 : 17a8_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	13.6	21	
Region 2	825	975	15.5	23	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a8_TP4

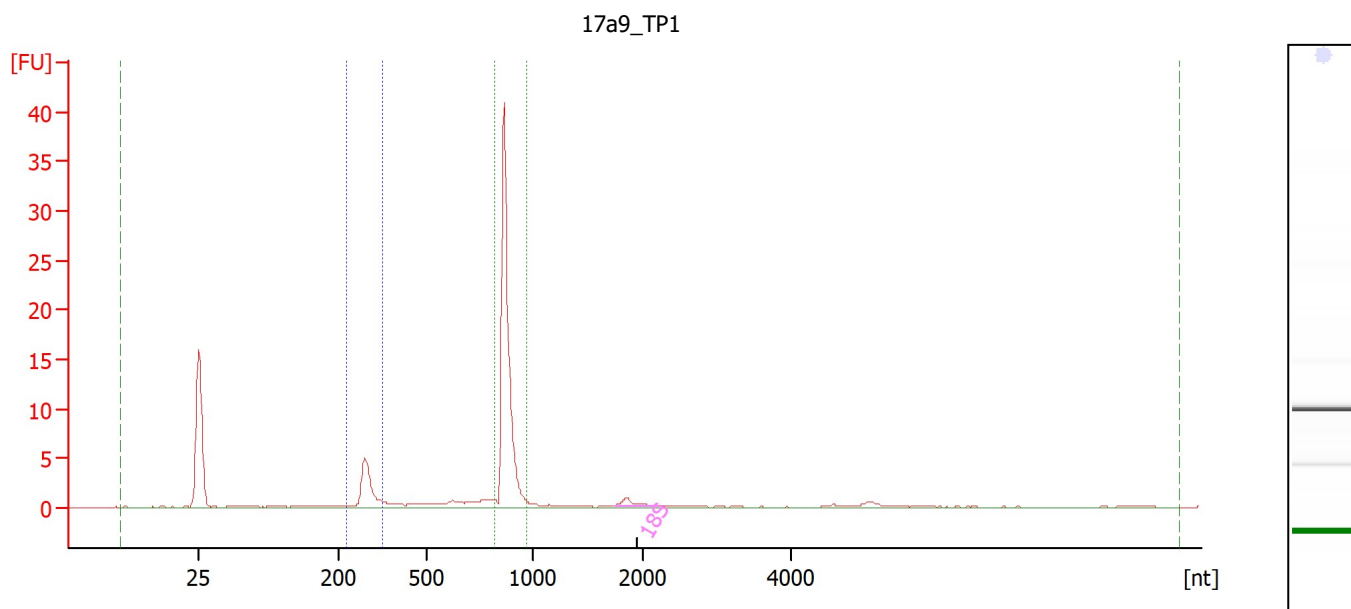
RNA Area:	82.2	Result Flagging Color:	
RNA Concentration:	57 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	16.7
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	11.1

Region table for sample 8 : 17a8_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	16.7	20	
Region 2	825	975	11.1	13	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a9_TP1**

RNA Area:	67.4	Result Flagging Color:	
RNA Concentration:	47 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.5
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	40.8

Fragment table for sample 9 : 17a9_TP1

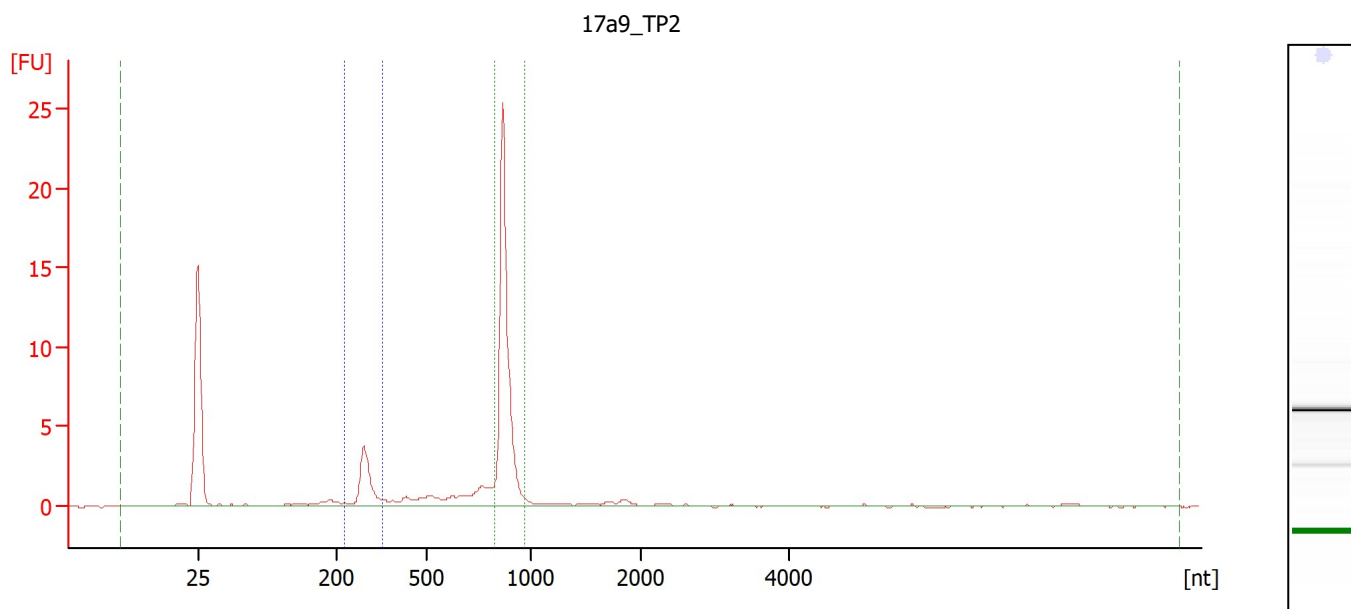
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,231	1.3	2.0

Region table for sample 9 : 17a9_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.5	13	
Region 2	825	975	40.8	61	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a9_TP2**

RNA Area:	54.5	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.8
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	29.5

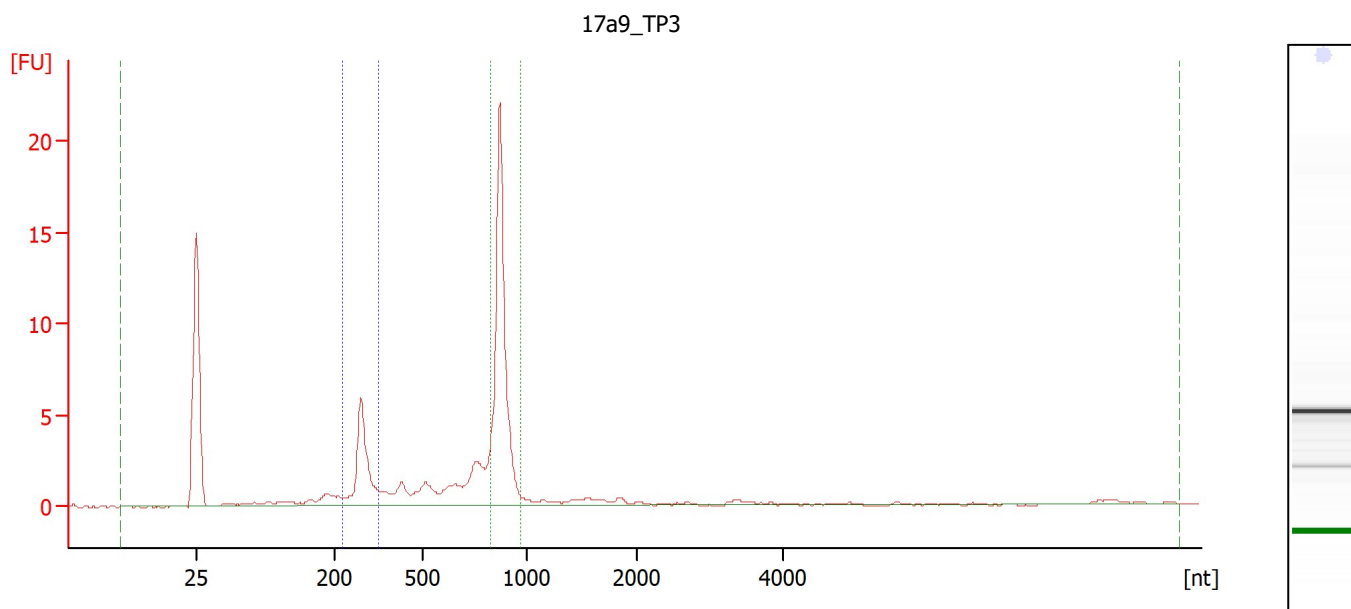
Region table for sample 10 : 17a9_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	6.8	13	
Region 2	825	975	29.5	54	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a9_TP3

RNA Area:	69.1	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.0
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	30.0

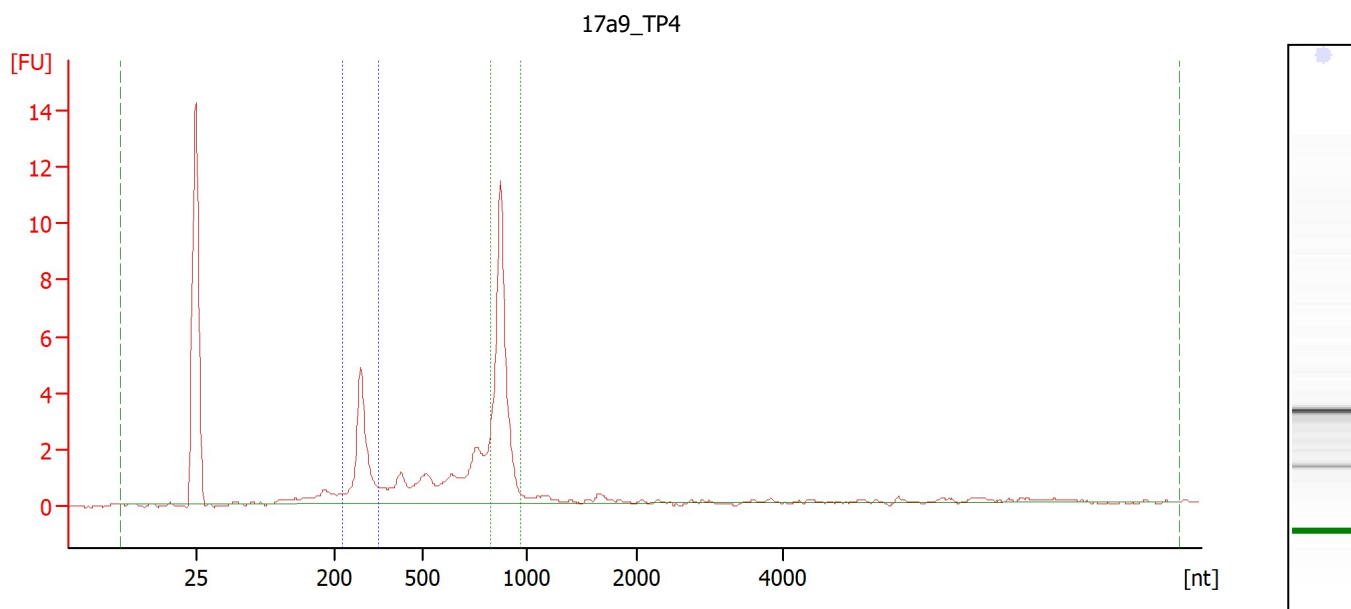
Region table for sample 11 : 17a9_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.0	16	
Region 2	825	975	30.0	43	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
 Modified: 12/2/2020 3:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 17a9_TP4

RNA Area:	48.5	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.9
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	17.4

Region table for sample 12 : 17a9_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.9	18	
Region 2	825	975	17.4	36	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-29-46.xad

Created: 12/2/2020 3:29:46 PM
Modified: 12/2/2020 3:59:42 PM

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