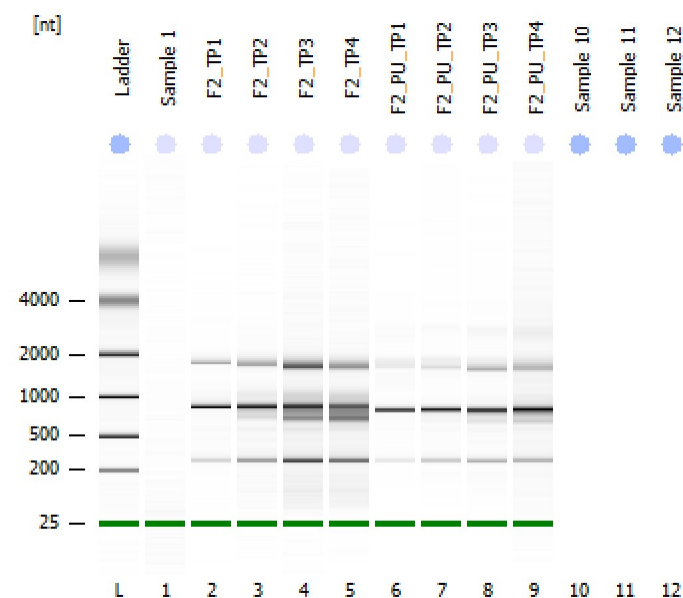


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

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)

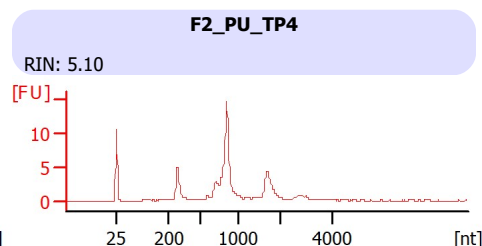
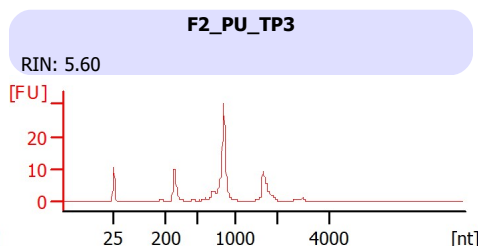
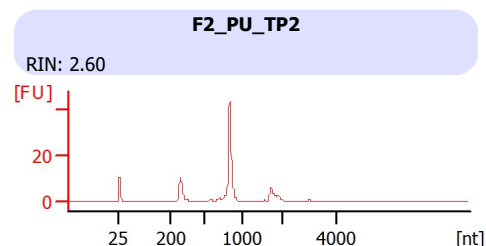
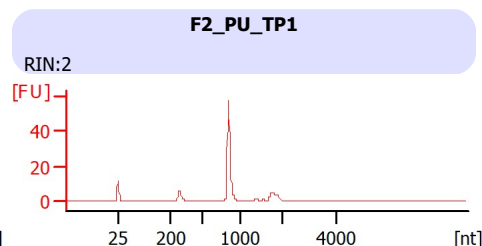
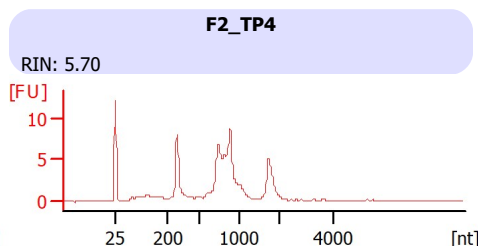
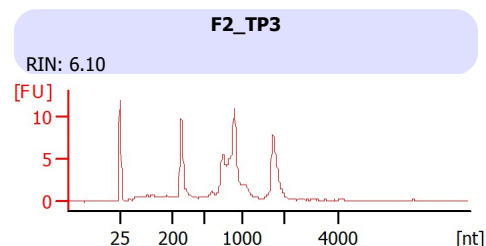
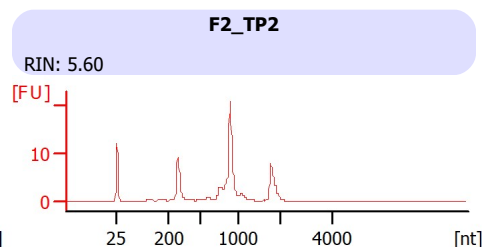
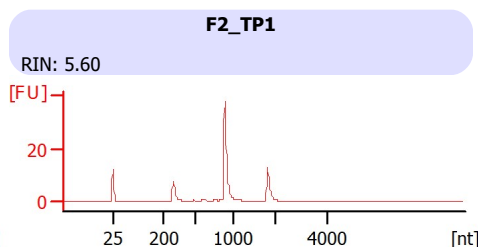
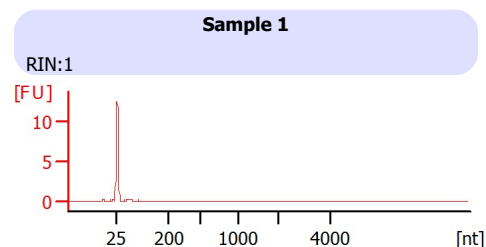
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
F2_TP1		✓ RIN: 5.60	
F2_TP2		✓ RIN: 5.60	
F2_TP3		✓ RIN: 6.10	
F2_TP4		✓ RIN: 5.70	
F2_PU_TP1		✓ RIN:2	
F2_PU_TP2		✓ RIN: 2.60	
F2_PU_TP3		✓ RIN: 5.60	
F2_PU_TP4		✓ RIN: 5.10	
Sample 10			
Sample 11			
Sample 12			
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 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

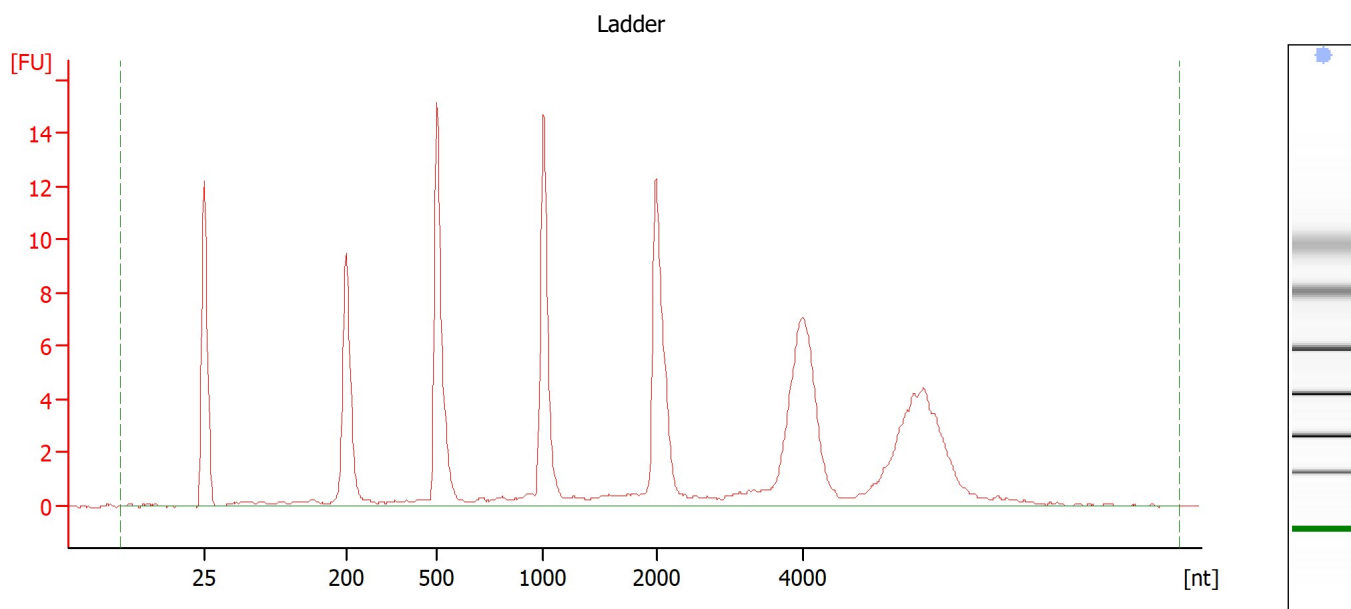
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 119.9

Result Flagging Color:



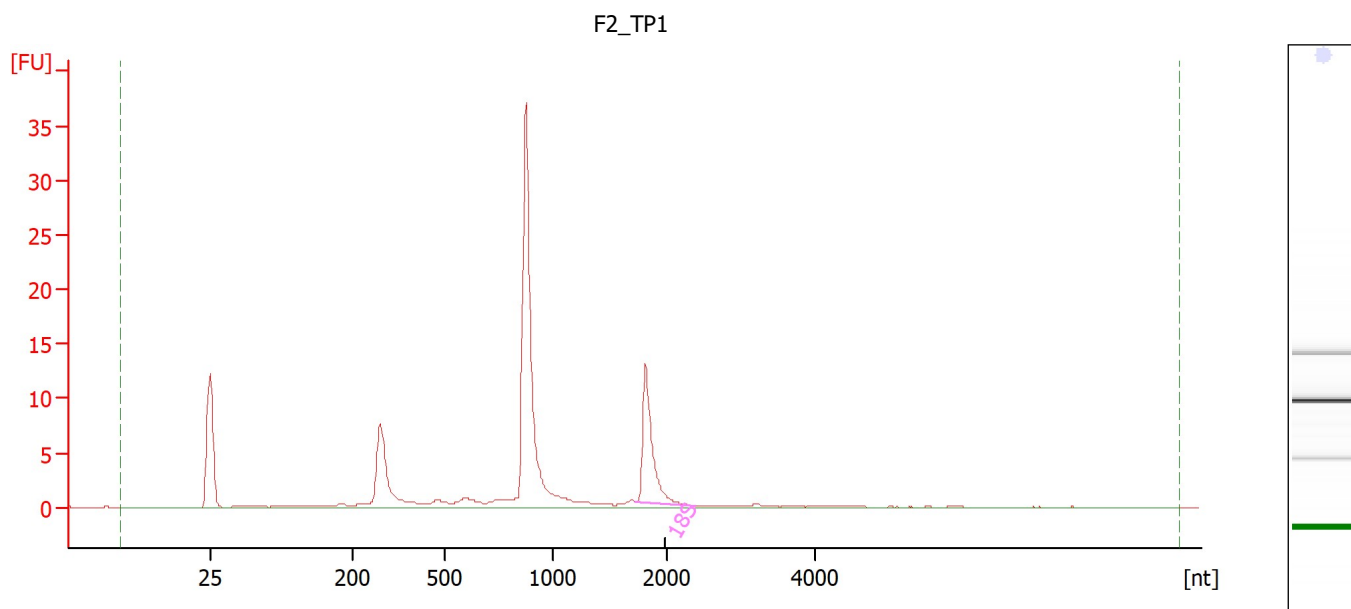
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : F2_TP1**

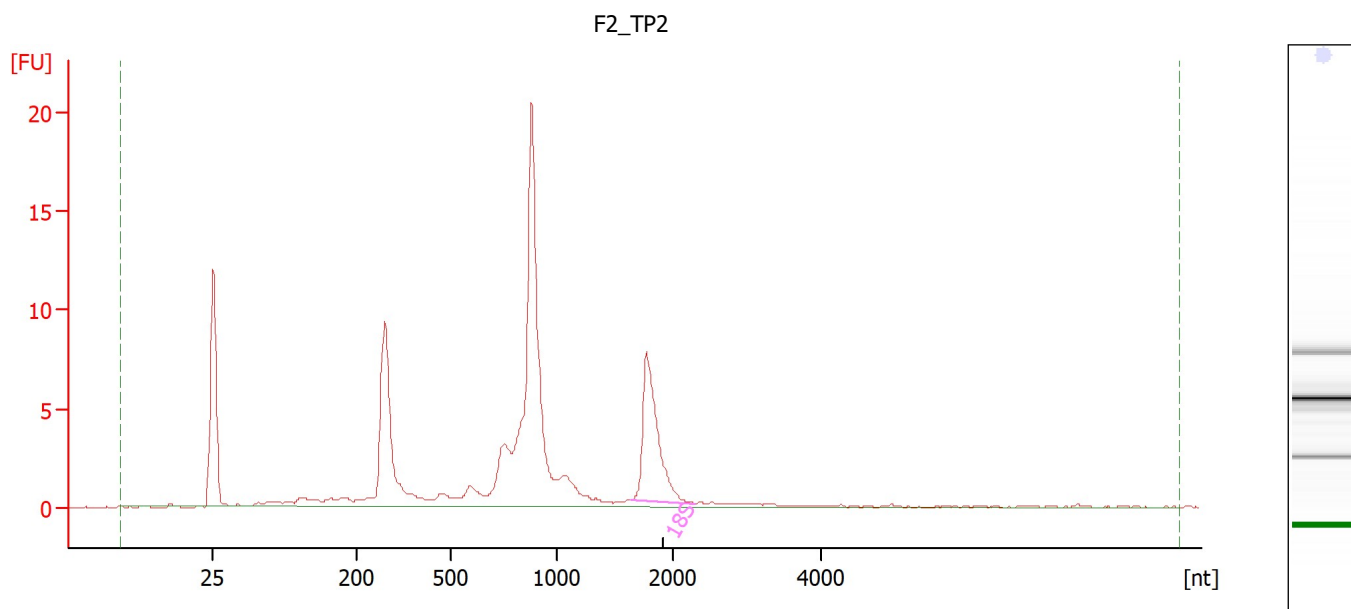
RNA Area:	94.9	RNA Integrity Number (RIN):	5.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	119 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.60

Fragment table for sample 2 : F2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,382	13.9	14.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : F2_TP2**

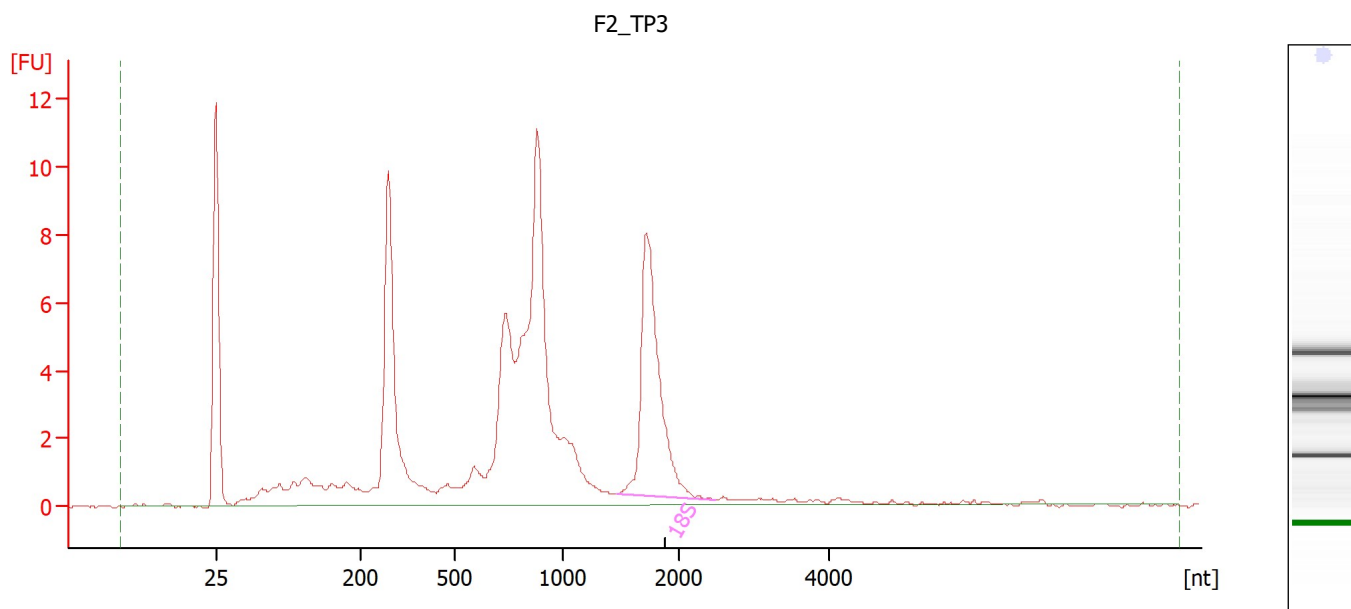
RNA Area:	92.9	RNA Integrity Number (RIN):	5.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	116 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.60

Fragment table for sample 3 : F2_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	2,298	13.4	14.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : F2_TP3**

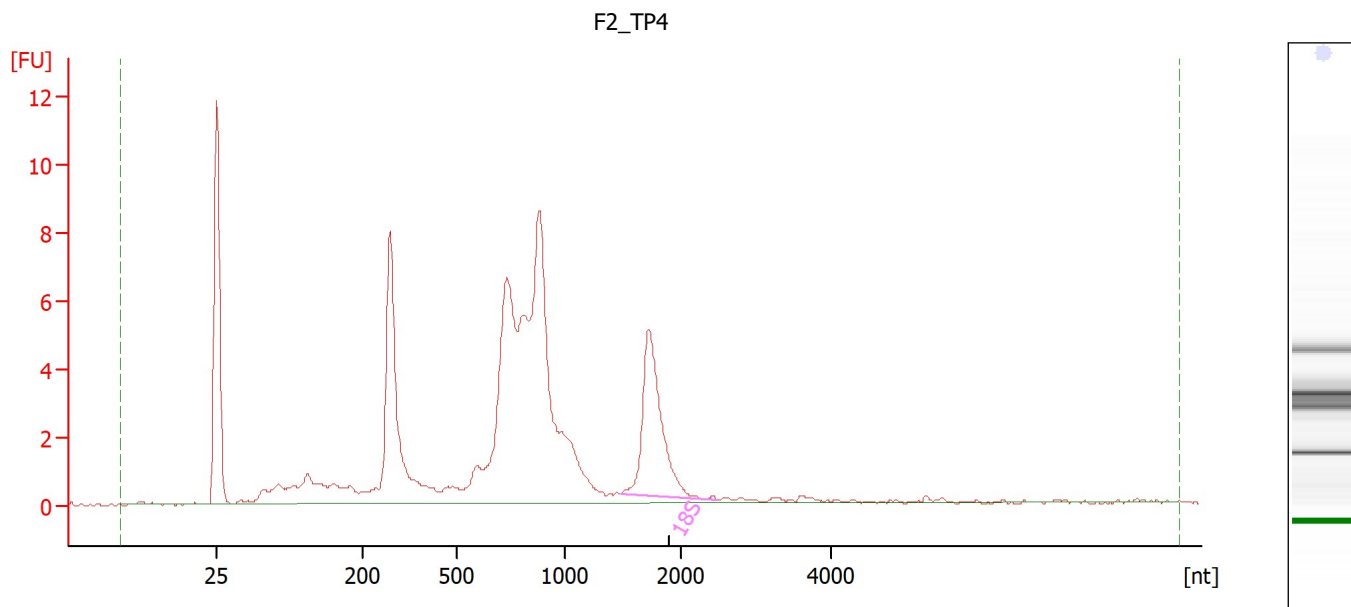
RNA Area:	105.3	RNA Integrity Number (RIN):	6.1 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	132 ng/μl		
rRNA Ratio [28s / 18s]:	0.0		
		Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.10

Fragment table for sample 4 : F2_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,475	2,485	17.1	16.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : F2_TP4**

RNA Area: 92.0

RNA Integrity Number (RIN):

5.7 (B.02.11,
Anomaly Threshold(s)
manually adapted)

RNA Concentration: 115 ng/μl

rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:



Result Flagging Label:

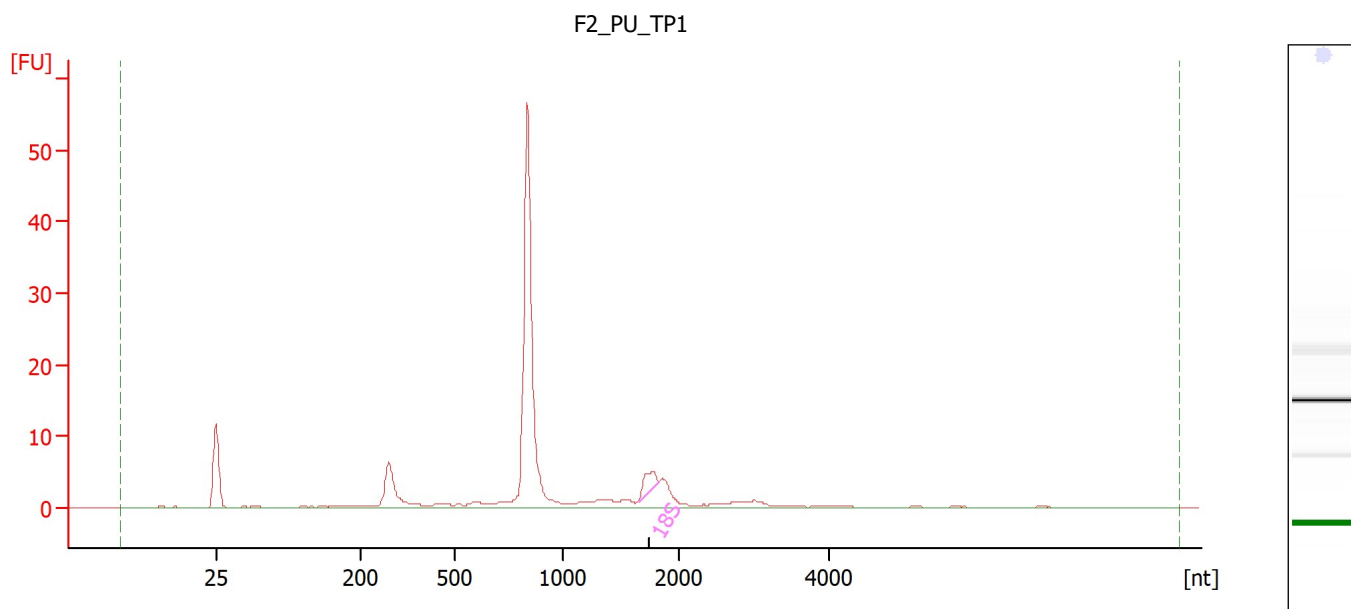
RIN: 5.70

Fragment table for sample 5 : F2_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,477	2,486	11.1	12.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : F2_PU_TP1**

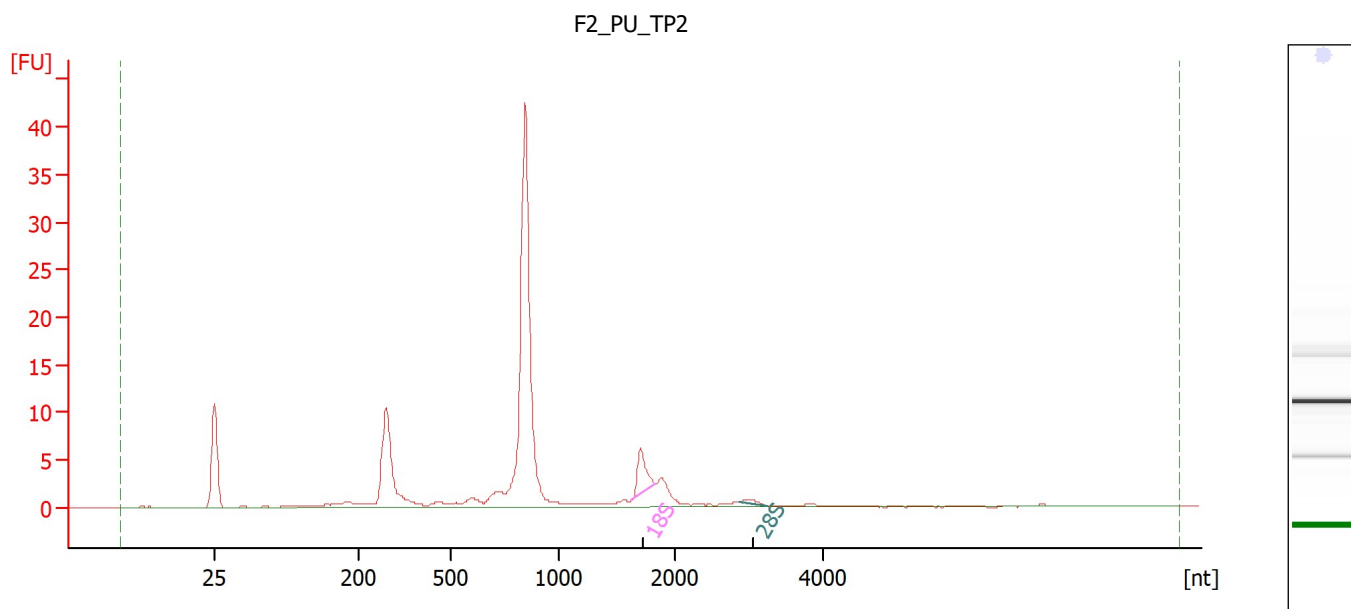
RNA Area:	118.9	RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	149 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN:2

Fragment table for sample 6 : F2_PU_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,834	3.7	3.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : F2_PU_TP2**

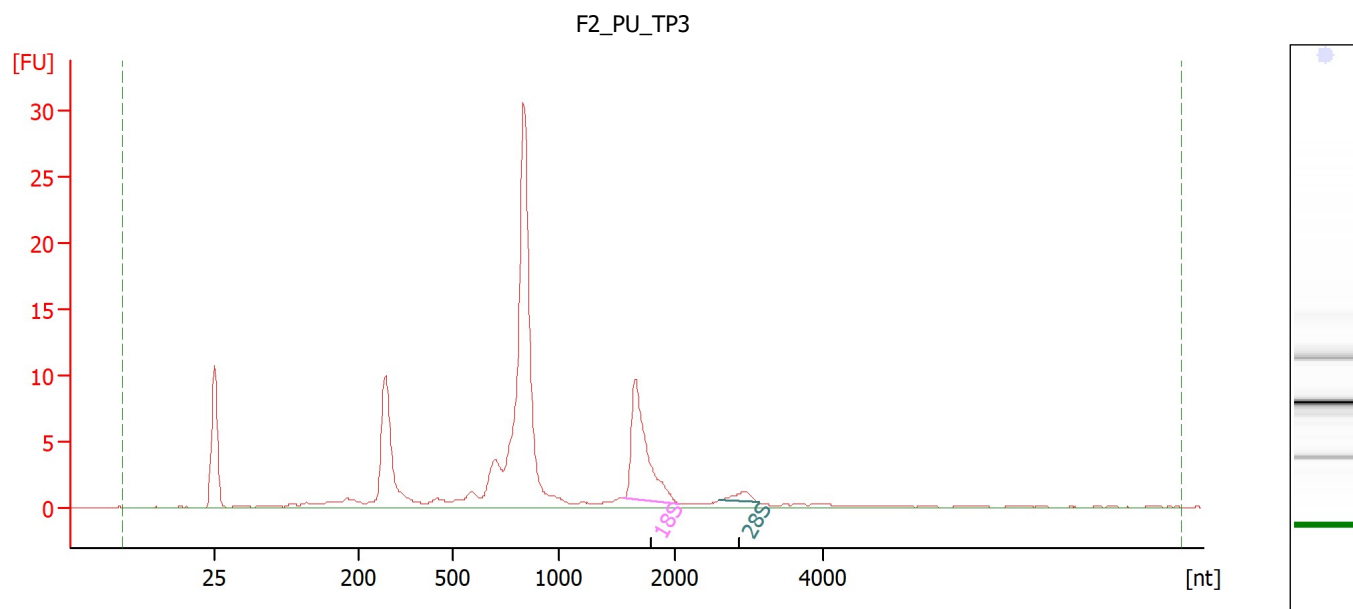
RNA Area:	106.3	RNA Integrity Number (RIN):	2.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	133 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.60

Fragment table for sample 7 : F2_PU_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,832	5.2	4.9
28S	2,857	3,244	0.6	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : F2_PU_TP3**

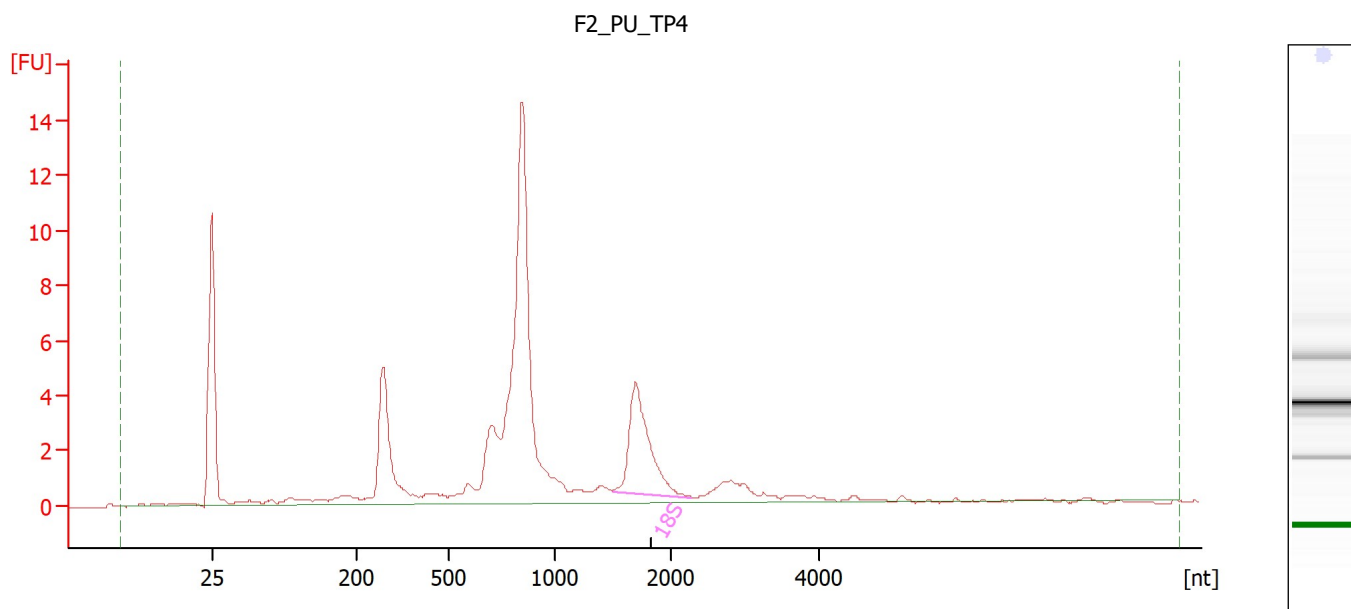
RNA Area:	113.2	RNA Integrity Number (RIN):	5.6 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	142 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.60

Fragment table for sample 8 : F2_PU_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	2,068	16.7	14.8
28S	2,599	3,130	1.4	1.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : F2_PU_TP4**

RNA Area:	78.3	RNA Integrity Number (RIN):	5.1 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	98 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.10

Fragment table for sample 9 : F2_PU_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	2,282	9.7	12.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_12-16-31.xad

Created: 11/24/2020 12:16:31 PM
Modified: 11/24/2020 1:19:19 PM

Gel Image