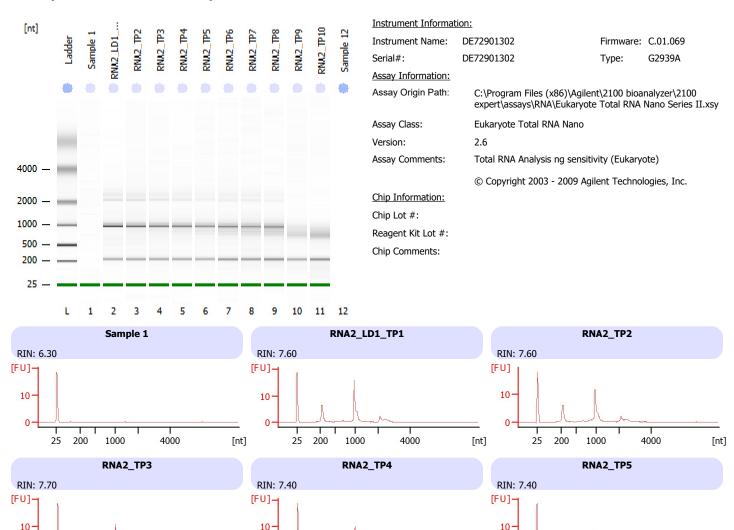
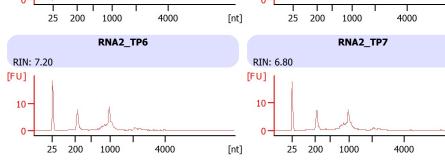
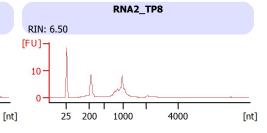
Electrophoresis File Run Summary







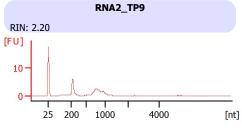
1000

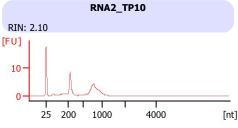
4000

[nt]

[nt]

25 200





Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		~	RIN: 6.30	
RNA2_LD1_TP1		~	RIN: 7.60	
RNA2_TP2		~	RIN: 7.60	
RNA2_TP3		~	RIN: 7.70	
RNA2_TP4		~	RIN: 7.40	
RNA2_TP5		~	RIN: 7.40	
RNA2_TP6		~	RIN: 7.20	
RNA2_TP7		~	RIN: 6.80	
RNA2_TP8		~	RIN: 6.50	
RNA2_TP9		~	RIN: 2.20	
RNA2_TP10		~	RIN: 2.10	
Sample 12				
Ladder		~	All Other Samples	

Chip Lot # Reagent Kit Lot #

Chip Comments:

Printed: 10/8/2020 11:38:44 AM

Assay Class: Eukaryote Total RNA Nano C:\...2020-10-08\Eukaryote Total RNA Nano_2020-10-08_10-55-37.xad Created: 10/8/2020 10:55:36 AM Modified: 10/8/2020 11:38:24 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

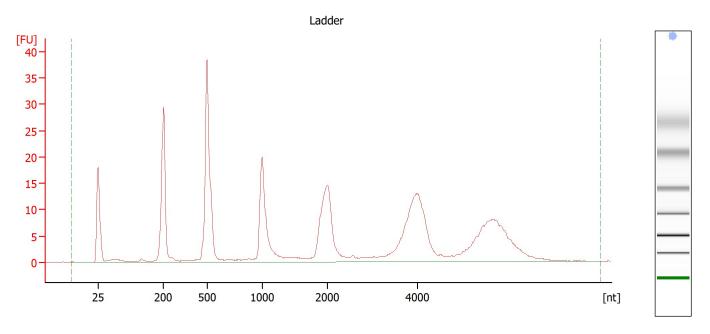
Filter Settings

Filter Width [s]: 0.5 Polynomial Order: 4

Ladder

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

Electropherogram Summary

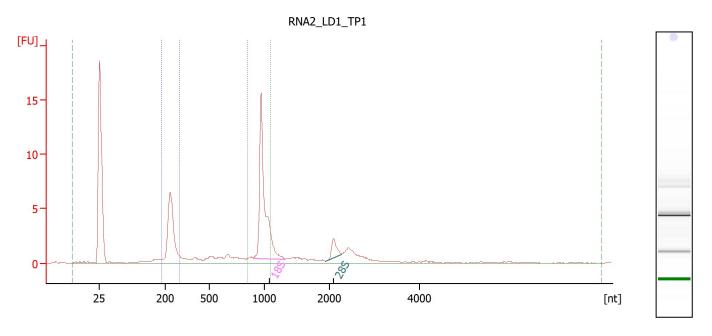


Overall Results for Ladder

RNA Area: 316.1 RNA Concentration: 150 ng/µl Result Flagging Color: Result Flagging Label:

All Other Samples

Electropherogram Summary Continued ...



Overall Results for sample 2: RNA2 LD1 TP1

RNA Area: 68.3 Result Flagging Color: RNA Concentration: 32 ng/µl Result Flagging Label: RIN: 7.60 Corr. Area 1: rRNA Ratio [28s / 18s]: 0.1 14.7 RNA Integrity Number (RIN): 7.6 (B.02.10, Corr. Area 2: 23.1 Anomaly Threshold(s)

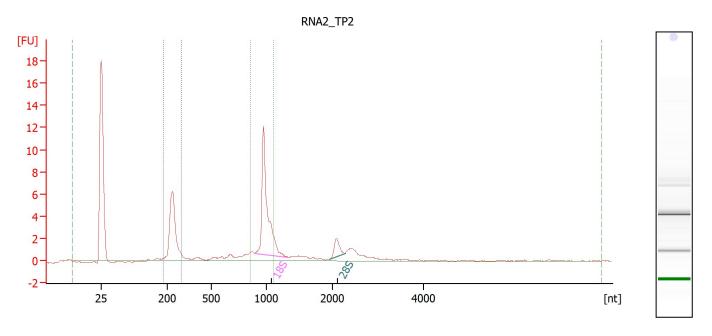
manually adapted)

Fragment table for sample 2 : RNA2 LD1 TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	899	1,321	23.0	33.6
28S	1,942	2,261	2.1	3.0

Region table for sample 2: RNA2 LD1 TP1 % of Total Name From [nt] To [nt] Corr. Area Colo Region 1 190 300 14.7 21 Region 2 850 1,100 23.1 34

Electropherogram Summary Continued ...



Overall Results for sample 3: RNA2 TP2

RNA Area: 56.2 Result Flagging Color: RIN: 7.60 RNA Concentration: 27 ng/µl Result Flagging Label: Corr. Area 1: rRNA Ratio [28s / 18s]: 0.1 13.9 RNA Integrity Number (RIN): 7.6 (B.02.10, Corr. Area 2: 20.1 Anomaly Threshold(s)

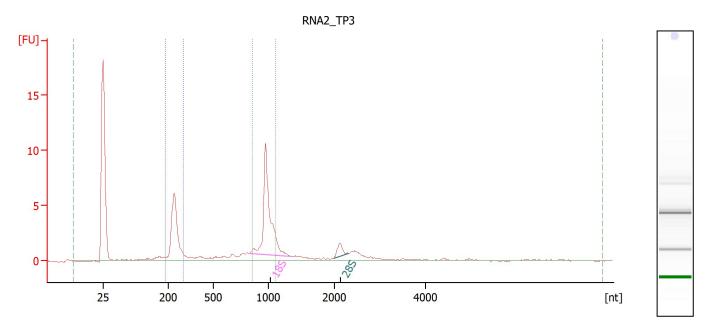
manually adapted)

Fragment table for sample 3: RNA2_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,326	18.4	32.7
28S	1,952	2,272	2.0	3.6

Region table for sample 3: RNA2_TP2 % of Total Name From [nt] To [nt] Corr. Area Colo 13.9 Region 1 190 300 25 Region 2 850 1,100 20.1 36

Electropherogram Summary Continued ...



Overall Results for sample 4: RNA2 TP3

RNA Area: 57.3 Result Flagging Color:

RNA Concentration: 27 ng/µl Result Flagging Label: RIN: 7.70

rRNA Ratio [28s / 18s]: 0.1 Corr. Area 1: 13.8

RNA Integrity Number (RIN): 7.7 (B.02.10, Corr. Area 2: 19.6

Anomaly Threshold(s) manually adapted)

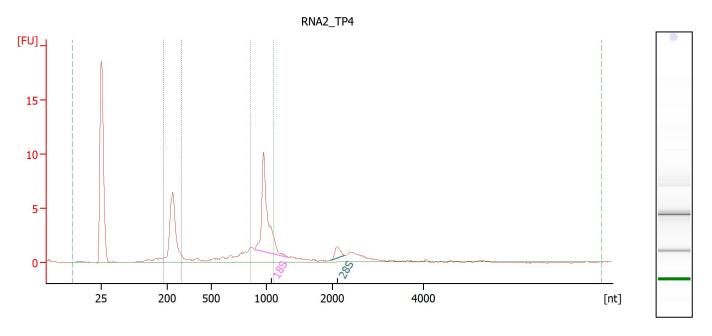
Fragment table for sample 4: RNA2_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	824	1,344	18.4	32.1
28S	1,976	2,307	1.5	2.6

Region table for sample 4: RNA2 TP3

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo
Region 1	190	300	13.8	24	r
Region 2	850	1.100	19.6	34	

Electropherogram Summary Continued ...



Overall Results for sample 5: RNA2 TP4

RNA Area: 56.5 Result Flagging Color:

RNA Concentration: 27 ng/µl Result Flagging Label: RIN: 7.40

rRNA Ratio [28s / 18s]: 0.1 Corr. Area 1: 14.2

RNA Integrity Number (RIN): 7.4 (B.02.10, Corr. Area 2: 20.1

Anomaly Threshold(s) manually adapted)

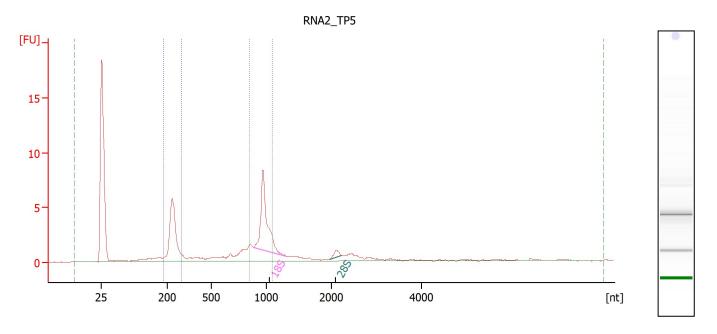
Fragment table for sample 5: RNA2 TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,334	15.7	27.7
28S	1,960	2,260	1.4	2.4

Region table for sample 5: RNA2 TP4

region table to bumple 5 : <u>retoria_11 :</u>					
Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo
Region 1	190	300	14.2	25	r
Region 2	850	1.100	20.1	35	

Electropherogram Summary Continued ...



Overall Results for sample 6: RNA2 TP5

RNA Area: 51.7 Result Flagging Color: **RNA Concentration:** 25 ng/µl Result Flagging Label: RIN: 7.40 Corr. Area 1: rRNA Ratio [28s / 18s]: 0.1 13.1 RNA Integrity Number (RIN): Corr. Area 2: 7.4 (B.02.10, 18.1 Anomaly Threshold(s)

manually adapted)

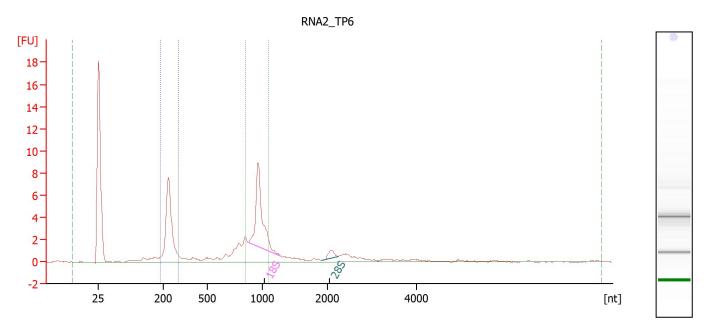
Fragment table for sample 6: RNA2 TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	885	1,313	13.3	25.6
28S	1,967	2,214	0.8	1.6

Region table for sample 6 : RNA2 TP5

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo
Region 1	190	300	13.1	25	r
Region 2	850	1.100	18.1	35	

Electropherogram Summary Continued ...



Overall Results for sample 7: RNA2 TP6

RNA Area: 63.2 Result Flagging Color: RNA Concentration: 30 ng/µl Result Flagging Label: RIN: 7.20 Corr. Area 1: rRNA Ratio [28s / 18s]: 0.1 17.1 RNA Integrity Number (RIN): Corr. Area 2: 7.2 (B.02.10, 21.3 Anomaly Threshold(s)

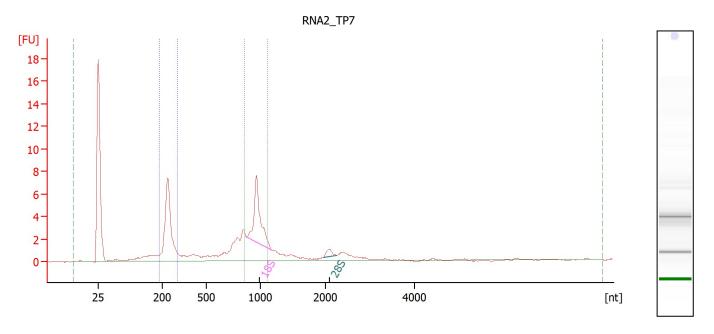
manually adapted)

Fragment table for sample 7: RNA2_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	872	1,293	14.0	22.1
28S	1,909	2,238	1.1	1.7

Region table for sample 7: RNA2_TP6 % of Total Name From [nt] To [nt] Corr. Area Colo Region 1 190 300 17.1 27 Region 2 850 1,100 21.3 34

Electropherogram Summary Continued ...



Overall Results for sample 8: RNA2 TP7

RNA Area: 67.7 Result Flagging Color:

RNA Concentration: 32 ng/µl Result Flagging Label: RIN: 6.80

rRNA Ratio [28s / 18s]: 0.1 Corr. Area 1: 16.8

RNA Integrity Number (RIN): 6.8 (B.02.10, Corr. Area 2: 20.2

Anomaly Threshold(s) manually adapted)

Fragment table for sample 8 : RNA2_TP7

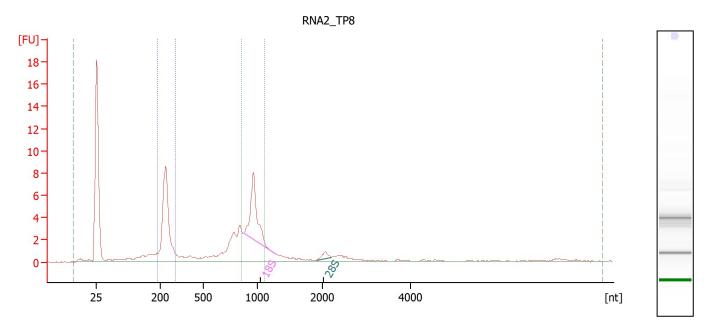
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	876	1,180	10.9	16.1
28S	1,966	2,251	0.8	1.2

Region table for sample 8: RNA2 TP7

1.1012_117						
Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo	
Region 1	190	300	16.8	25	r	
Region 2	850	1.100	20.2	30		

Assay Class: Eukaryote Total RNA Nano 10/8/2020 10:55:36 AM Created: Data Path: C:\...2020-10-08\Eukaryote Total RNA Nano_2020-10-08_10-55-37.xad Modified: 10/8/2020 11:38:24 AM

Electropherogram Summary Continued ...



Overall Results for sample 9: RNA2_TP8

RNA Area: 82.9 Result Flagging Color: RNA Concentration: 39 ng/µl Result Flagging Label: RIN: 6.50 Corr. Area 1: rRNA Ratio [28s / 18s]: 0.1 20.2 RNA Integrity Number (RIN): Corr. Area 2: 6.5 (B.02.10, 23.1 Anomaly Threshold(s)

manually adapted)

Fragment table for sample 9: RNA2 TP8

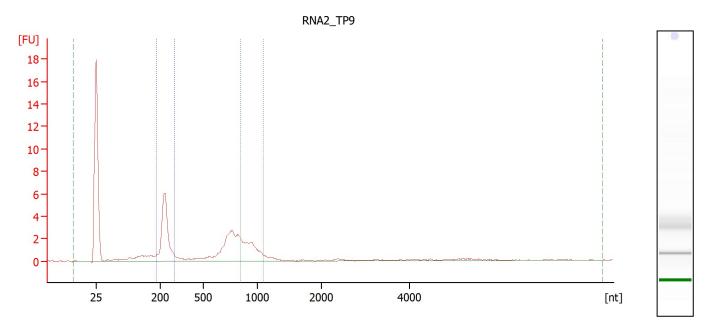
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	871	1,282	11.6	14.0
28S	1,906	2,203	0.8	1.0

Region table for sample 9: RNA2 TP8

Region table for sample 3.						
Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo	
					r	
Region 1	190	300	20.2	24		
Region 2	850	1,100	23.1	28		

Assay Class: Eukaryote Total RNA Nano 10/8/2020 10:55:36 AM Created: Data Path: C:\...2020-10-08\Eukaryote Total RNA Nano_2020-10-08_10-55-37.xad Modified: 10/8/2020 11:38:24 AM

Electropherogram Summary Continued ...



RNA2_TP9 Overall Results for sample 10:

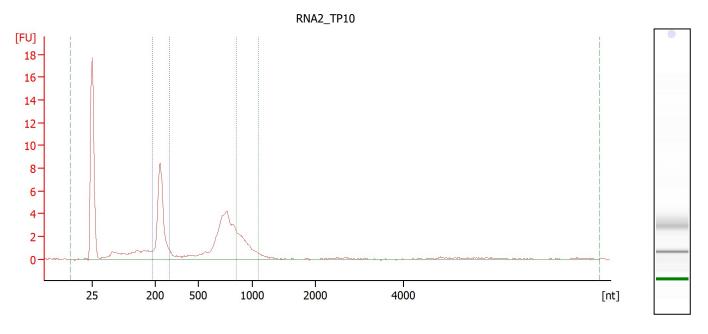
RNA Area: 50.1 Result Flagging Color: RIN: 2.20 **RNA Concentration:** 24 ng/µl Result Flagging Label: Corr. Area 1: rRNA Ratio [28s / 18s]: 0.0 14.5 RNA Integrity Number (RIN): Corr. Area 2: 2.2 (B.02.10, 8.2 Anomaly Threshold(s)

Region table for sample 10: RNA2 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Colo r
Region 1	190	300	14.5	29	
Region 2	850	1,100	8.2	16	

manually adapted)

Electropherogram Summary Continued ...



Overall Results for sample 11: RNA2 TP10

RNA Area: 66.5 Result Flagging Color: RNA Concentration: 32 ng/µl Result Flagging Label: RIN: 2.10 Corr. Area 1: rRNA Ratio [28s / 18s]: 0.0 19.5 RNA Integrity Number (RIN): 2.1 (B.02.10, Corr. Area 2: 8.7 Anomaly Threshold(s)

manually adapted)

Region table for sample 11: RNA2 TP10 Name From [nt] To [nt] Corr. Area % of Total Colo Region 1 190 300 19.5 29 Region 2 850 1,100 8.7 13

Printed: 10/8/2020 11:38:44 AM

Assay Class: Data Path: Eukaryote Total RNA Nano C:\...2020-10-08\Eukaryote Total RNA Nano_2020-10-08_10-55-37.xad Created: Modified: 10/8/2020 10:55:36 AM 10/8/2020 11:38:24 AM **Gel Image** RNAZ LD1 ... [nt] RNA2_TP10 Sample 12 RNA2_TP2 RNA2_TP3 RNA2_TP4 RNA2_TP5 RNA2_TP6 RNA2_TP9 RNA2_TP7 Sample 1 Ladder • • ۰ • • ø ø . 4000 -2000 1000 500 200 25 2 3 5 10 11 12