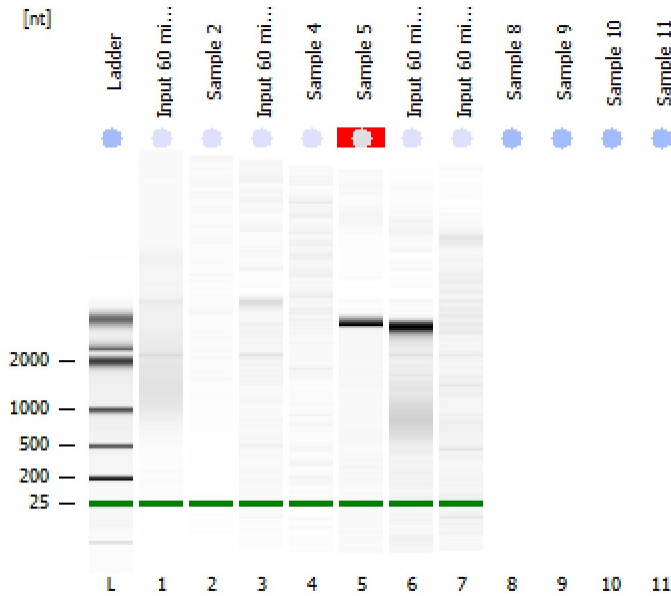


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
Modified: 3/6/2020 1:57:44 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

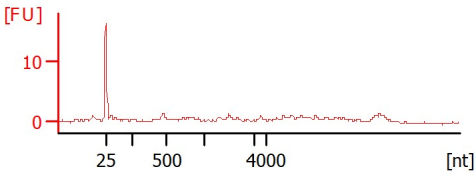
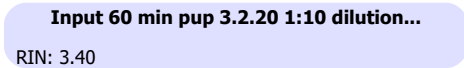
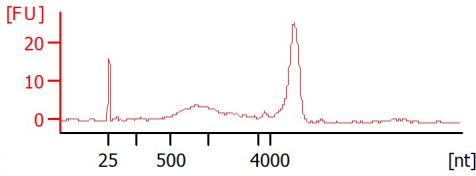
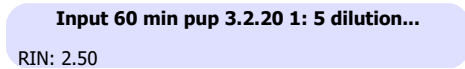
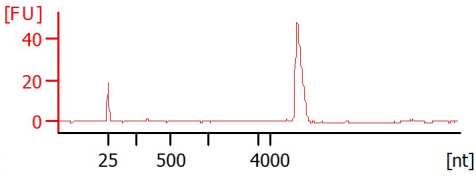
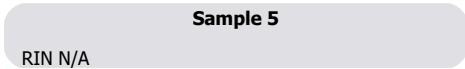
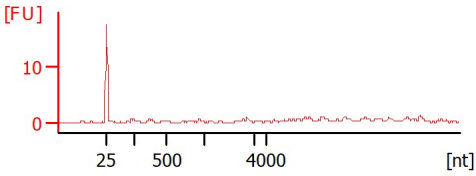
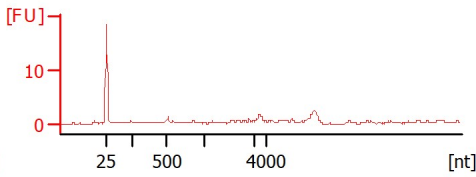
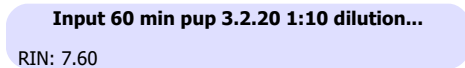
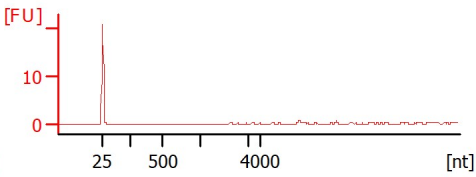
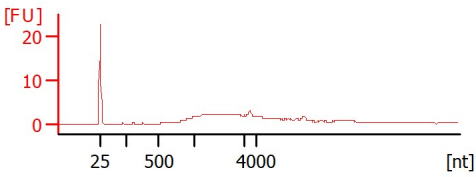
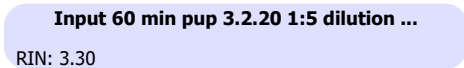
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Input 60 min pup 3.2.20 1:5 dilution Duplicate 1		✓	RIN: 3.30	
Sample 2		✓	RIN: 1.20	
Input 60 min pup 3.2.20 1:10 dilution Duplicate 1		✓	RIN: 7.60	
Sample 4		✓	RIN: 4.60	
Sample 5		✓	RIN N/A	
Input 60 min pup 3.2.20 1: 5 dilution Duplicate 2		✓	RIN: 2.50	
Input 60 min pup 3.2.20 1:10 dilution Duplicate 2		✓	RIN: 3.40	
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 18
 End Analysis Time Range [s] : 69
 Ladder Concentration [pg/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.3
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

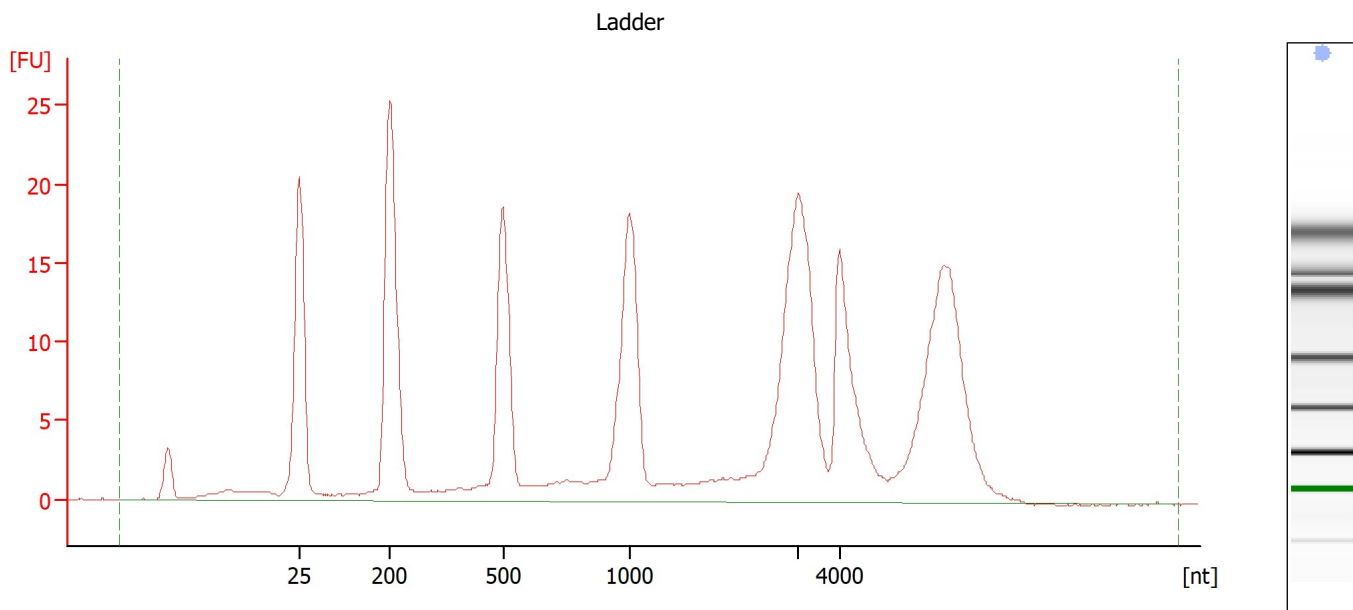
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary



Overall Results for Ladder

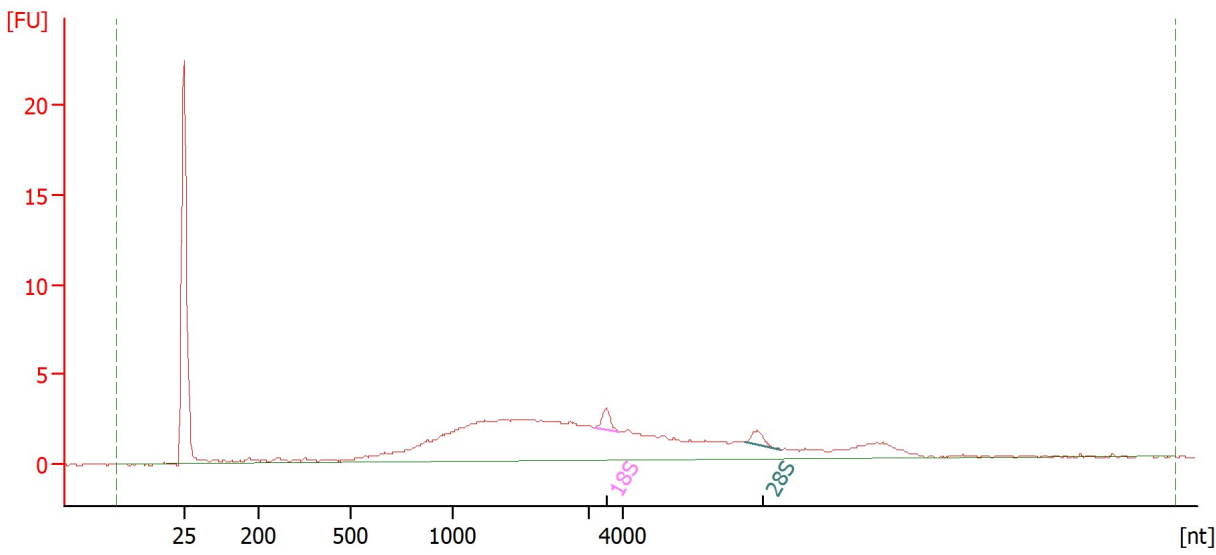
RNA Area:	326.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...

Input 60 min pup 3.2.20 1:5 dilution Duplicate 1



Overall Results for sample 1 : Input 60 min pup 3.2.20 1:5 dilution Duplicate 1

RNA Area:	87.0	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	267 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 3.30

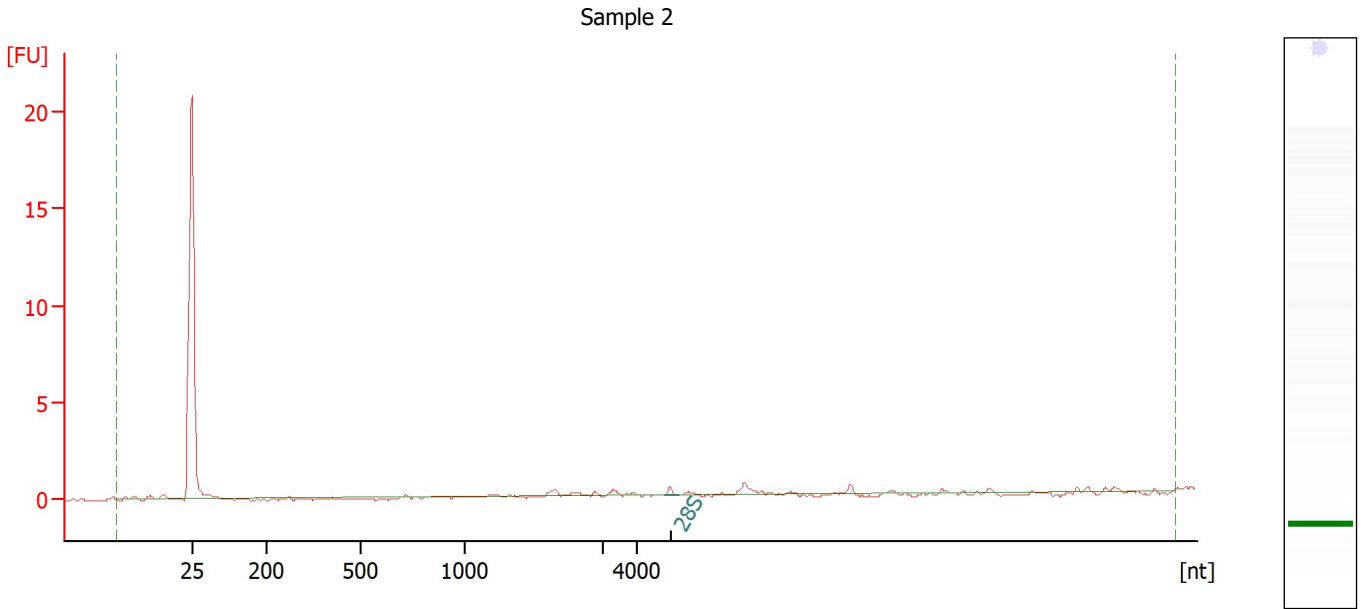
Fragment table for sample 1 : Input 60 min pup 3.2.20 1:5 dilution Duplicate 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,316	3,807	1.3	1.5
28S	11,457	13,661	1.1	1.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	4.0	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	12 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Fragment table for sample 2 : Sample 2

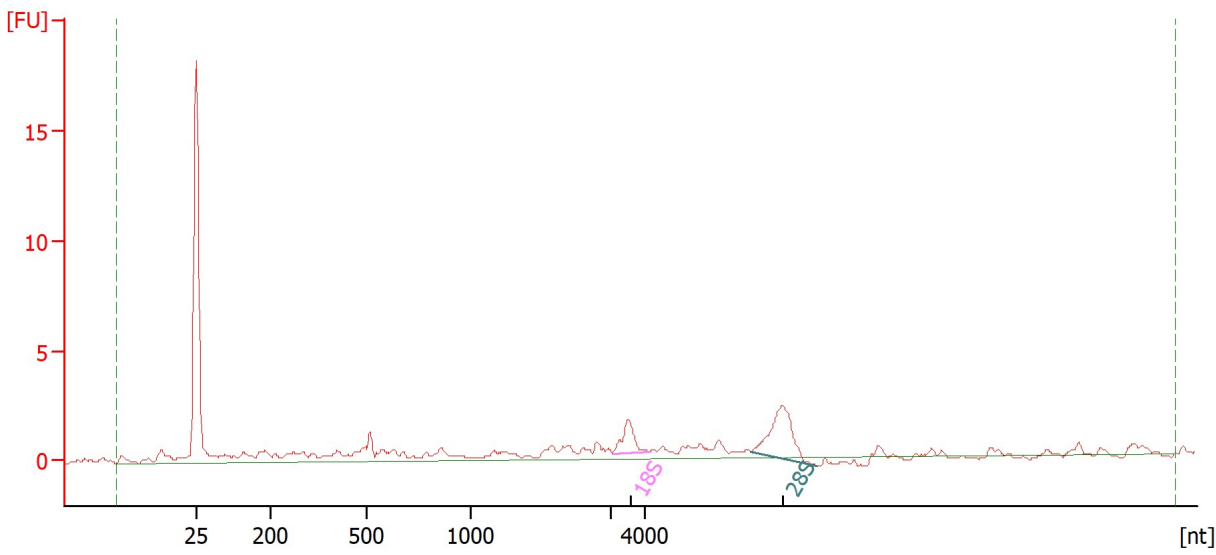
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	5,640	6,534	0.2	6.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...

Input 60 min pup 3.2.20 1:10 dilution Duplicate 1



Overall Results for sample 3 : Input 60 min pup 3.2.20 1:10 dilution Duplicate 1

RNA Area:	37.3	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	114 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 7.60

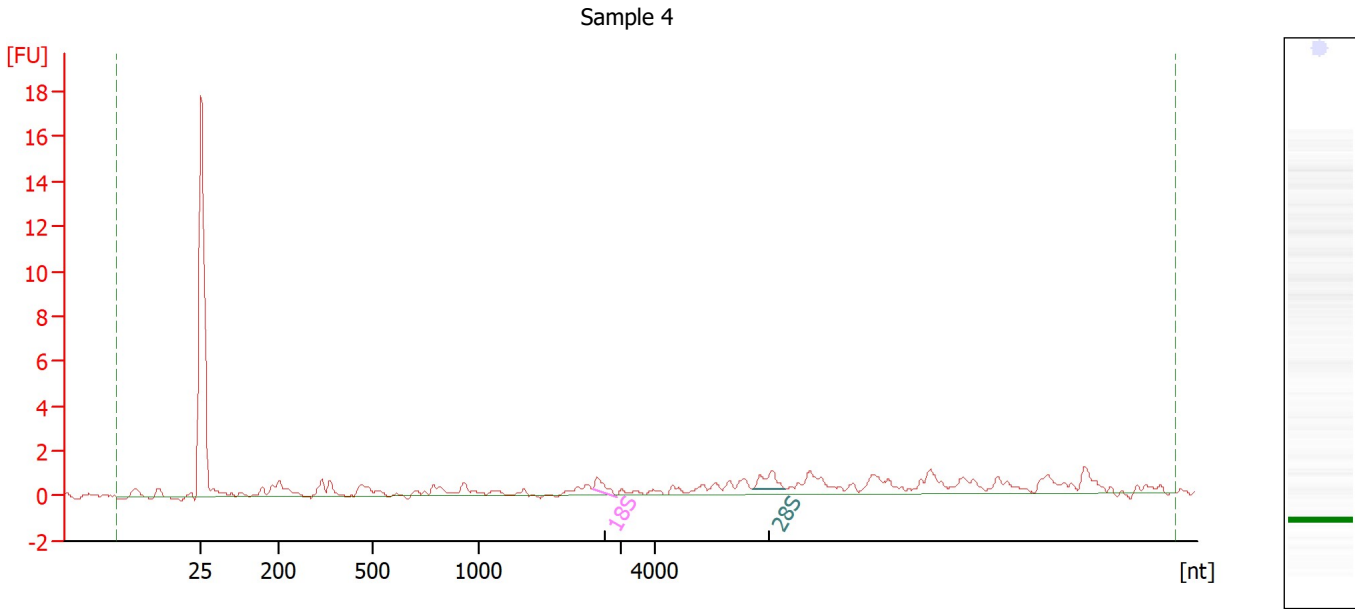
Fragment table for sample 3 : Input 60 min pup 3.2.20 1:10 dilution Duplicate 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,105	4,194	2.1	5.5
28S	10,333	14,258	5.7	15.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	31.1	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	95 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 4.60

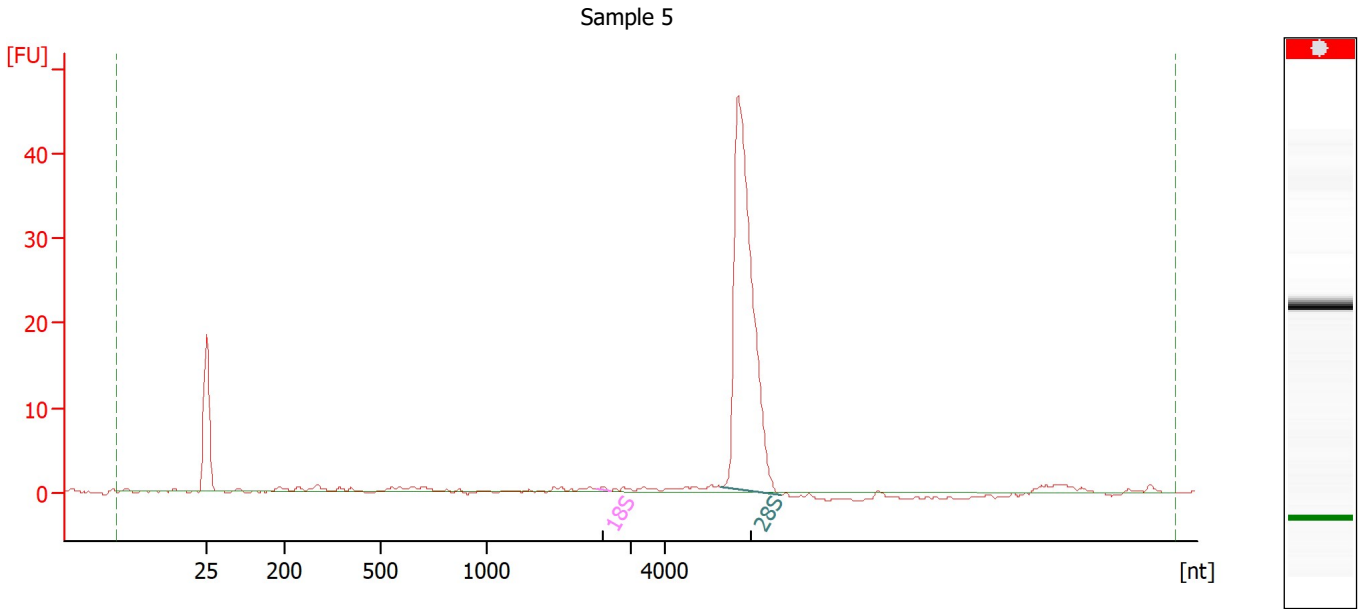
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	1,966	0.8	2.6
28S	9,732	11,673	1.3	4.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	111.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	343 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	278.9	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 5

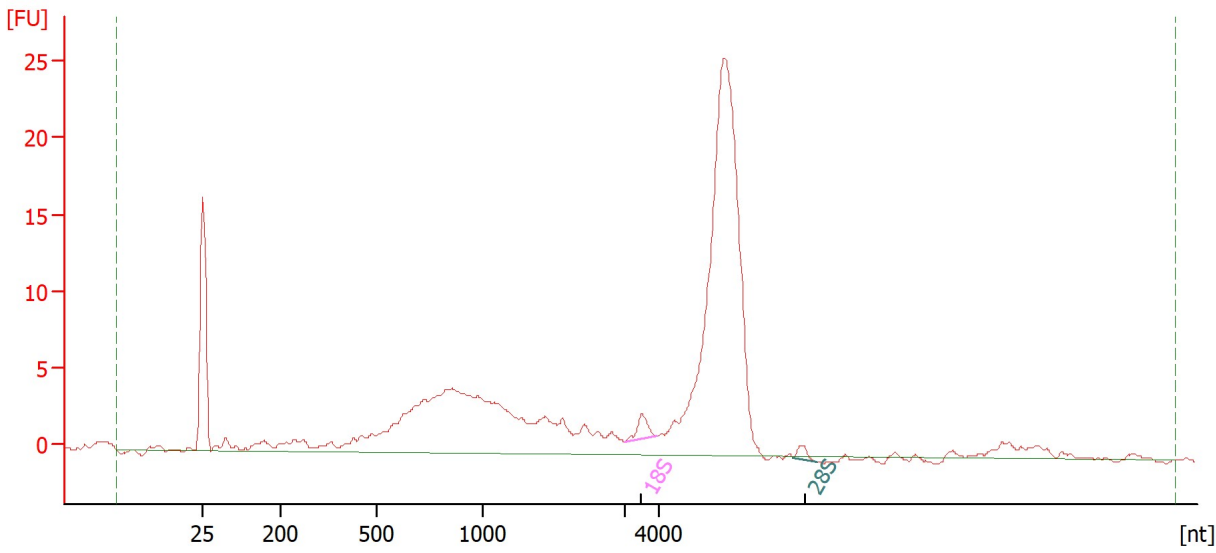
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,771	1,868	0.3	0.3
28S	7,285	10,692	92.0	82.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...

Input 60 min pup 3.2.20 1: 5 dilution Duplicate 2



Overall Results for sample 6 : Input 60 min pup 3.2.20 1: 5 dilution Duplicate 2

RNA Area:	192.5	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	590 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 2.50

Fragment table for sample 6 : Input 60 min pup 3.2.20 1: 5 dilution Duplicate 2

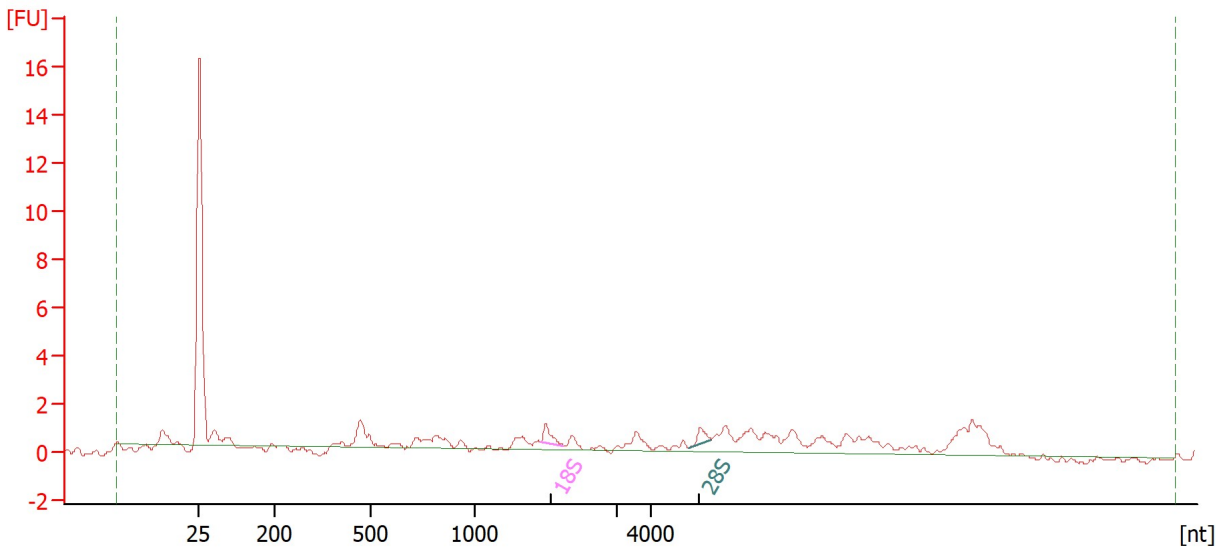
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,050	3,921	2.0	1.0
28S	11,840	13,211	0.9	0.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
 Modified: 3/6/2020 1:57:44 PM

Electropherogram Summary Continued ...

Input 60 min pup 3.2.20 1:10 dilution Duplicate 2



Overall Results for sample 7 : Input 60 min pup 3.2.20 1:10 dilution Duplicate 2

RNA Area:	29.4	RNA Integrity Number (RIN):	3.4 (B.02.10)
RNA Concentration:	90 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 3.40

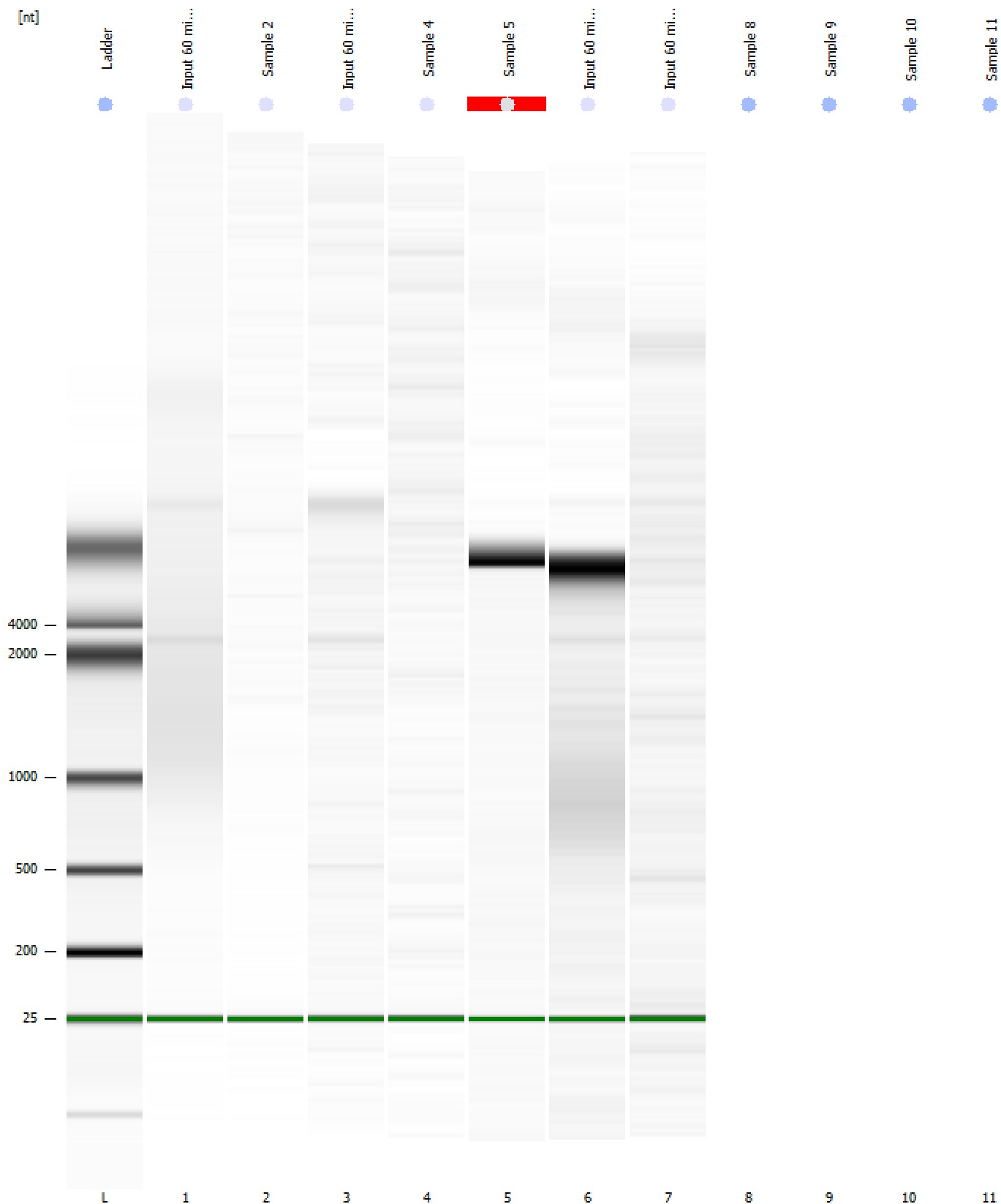
Fragment table for sample 7 : Input 60 min pup 3.2.20 1:10 dilution Duplicate 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,623	0.8	2.8
28S	6,286	7,544	0.6	2.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
Modified: 3/6/2020 1:57:44 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad

Created: 3/6/2020 1:40:30 PM
Modified: 3/6/2020 1:57:44 PM

Invalid Samples

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico Created: 3/6/2020 1:40:30 PM
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-06_002.xad Modified: 3/6/2020 1:57:44 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 8)		Instrument	Run		3/6/2020 1:57:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-06\Bioanalyze r1_Eukaryote Total RNA Pico_2020-03-06_002.xad)		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/6/2020 1:40:36 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB