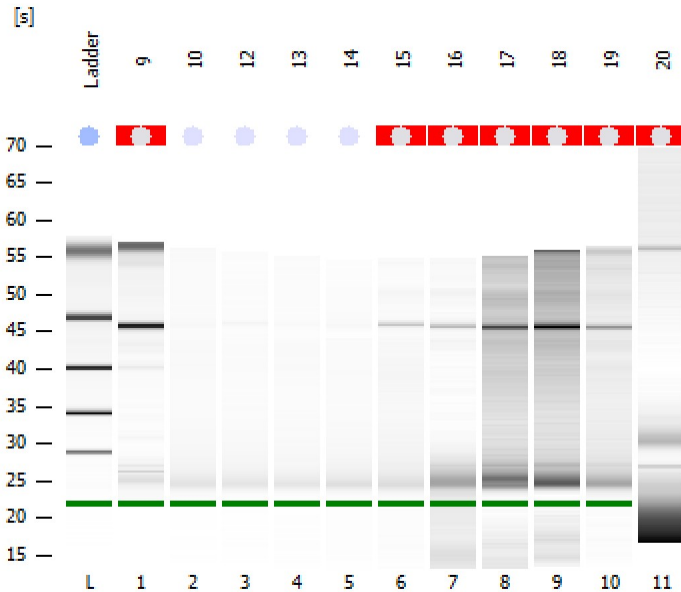


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
Modified: 3/3/2020 4:39:01 PM

Electrophoresis File Run Summary



Instrument Information:

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

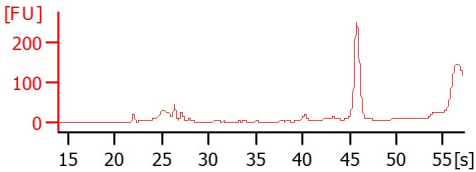
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

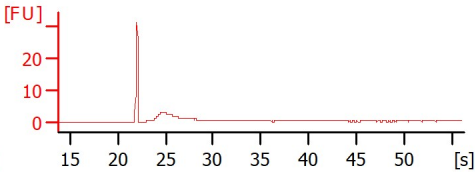
Chip Information:

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

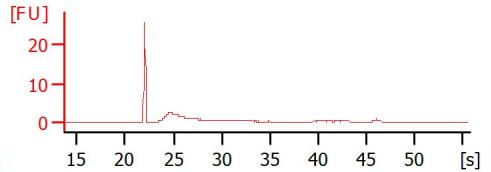
9
NovaSeq186
RIN N/A



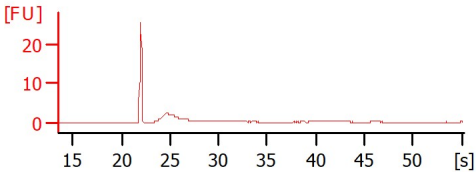
10
RIN: 1.10



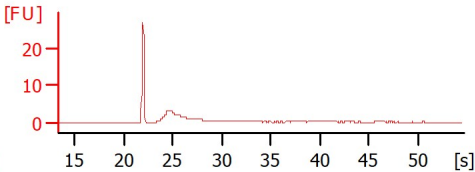
12
RIN: 1.20



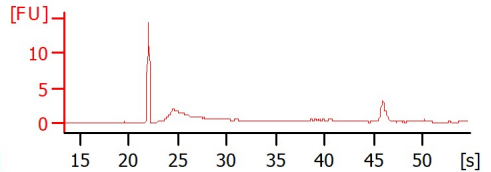
13
RIN: 1.10



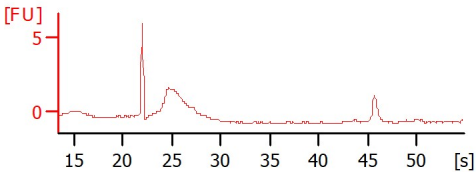
14
RIN: 1.20



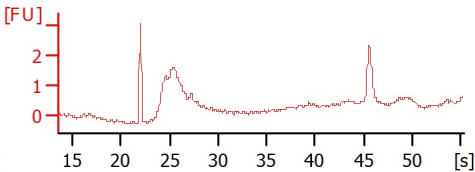
15
RIN N/A



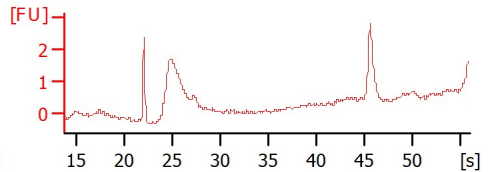
16
RIN N/A



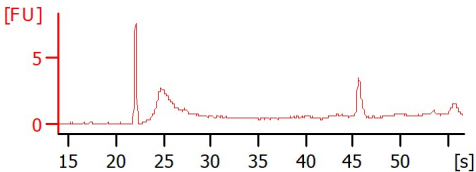
17
RIN N/A



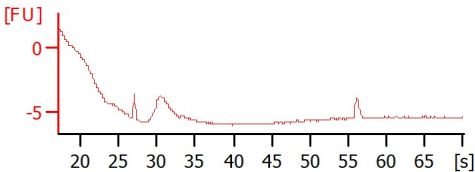
18
RIN N/A



19
RIN N/A



20
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
9	NovaSeq186	✓	RIN N/A	
10		✓	RIN: 1.10	
12		✓	RIN: 1.20	
13		✓	RIN: 1.10	
14		✓	RIN: 1.20	
15		✓	RIN N/A	
16		✓	RIN N/A	
17		✓	RIN N/A	
18		✓	RIN N/A	
19		✓	RIN N/A	
20		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 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

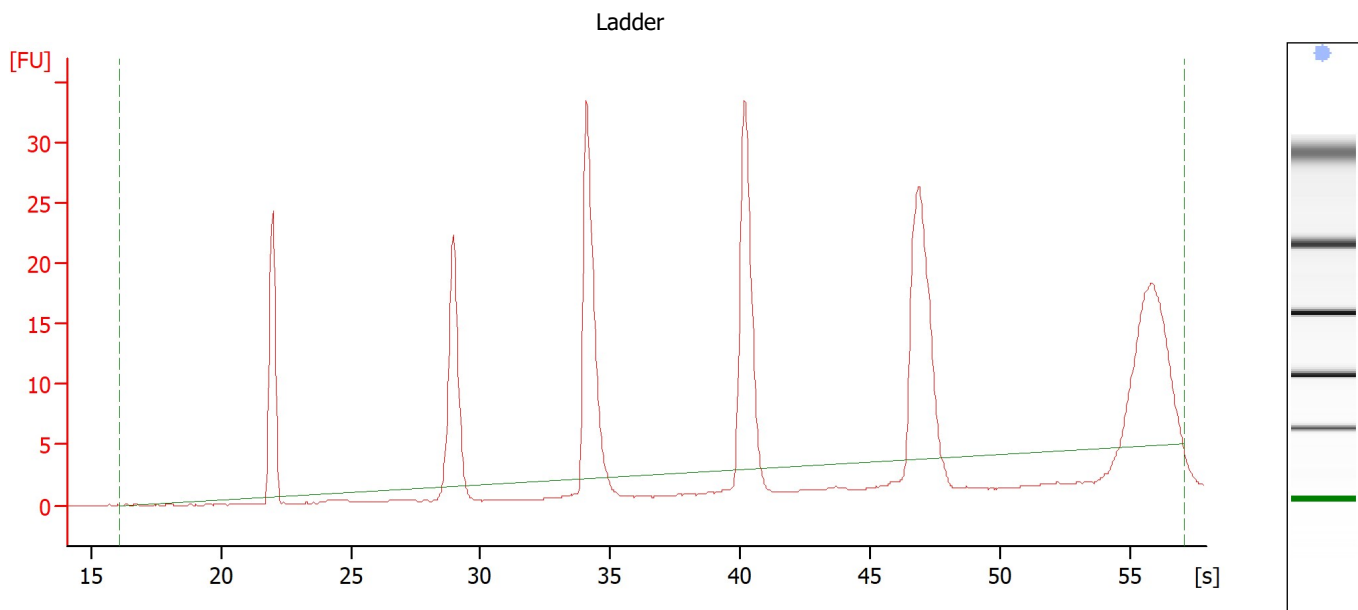
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary



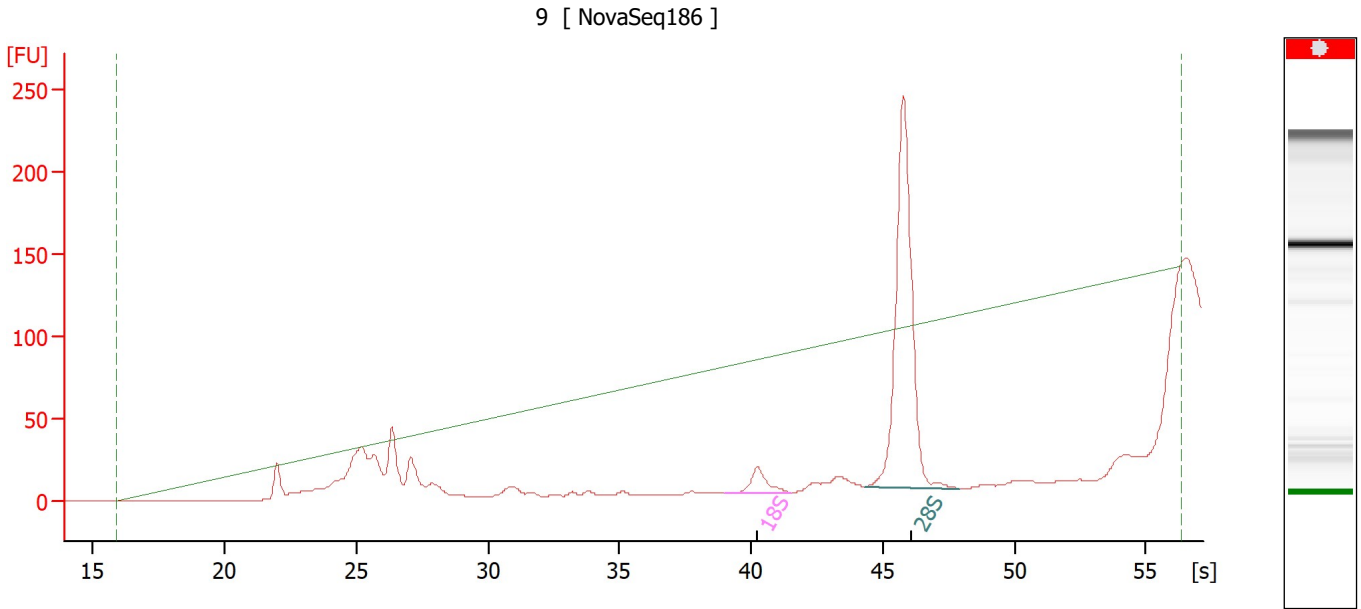
Overall Results for Ladder

RNA Area:	173.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 9

RNA Area:	133.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	766 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	12.6	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : 9

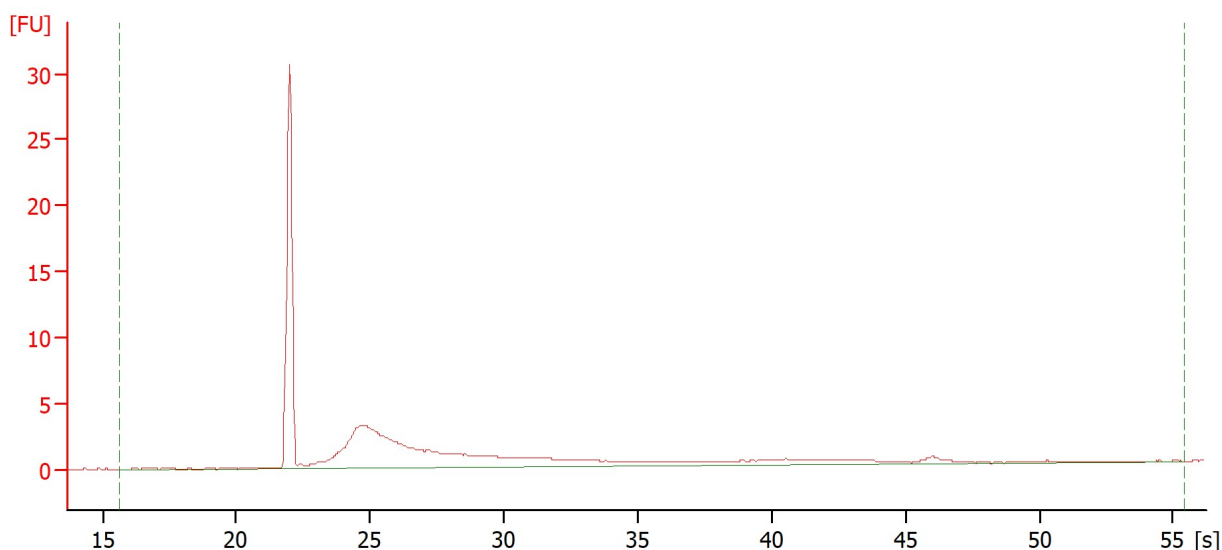
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	903	1,208	28.6	21.5
28S	1,622	2,237	360.6	270.8

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...

10



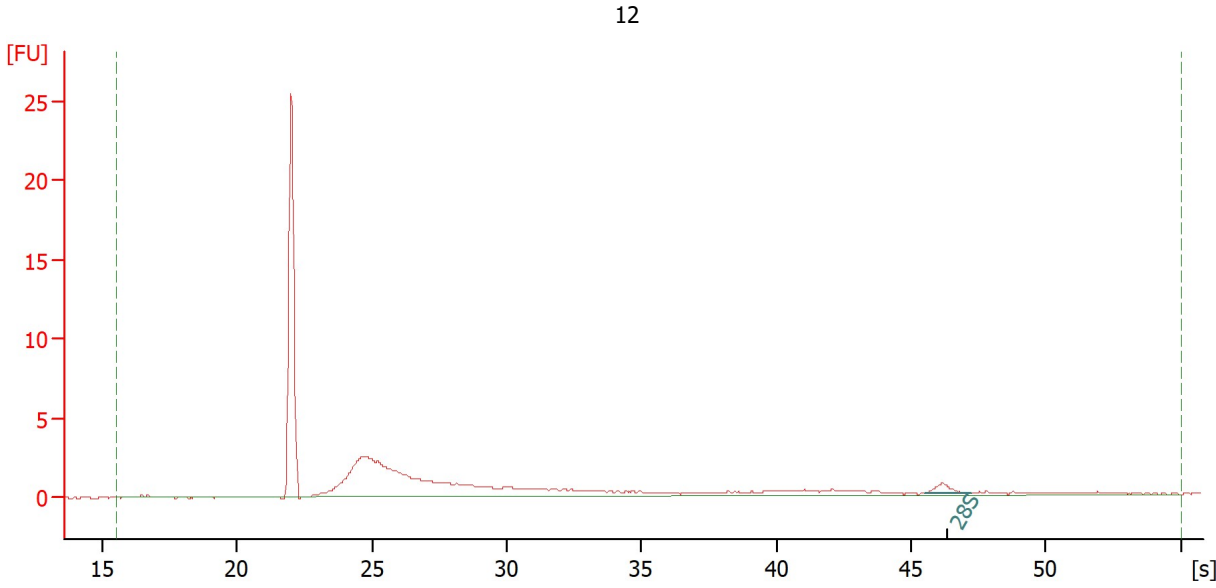
Overall Results for sample 2 : 10

RNA Area:	54.7	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	315 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 12

RNA Area:	48.7	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	280 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Fragment table for sample 3 : 12

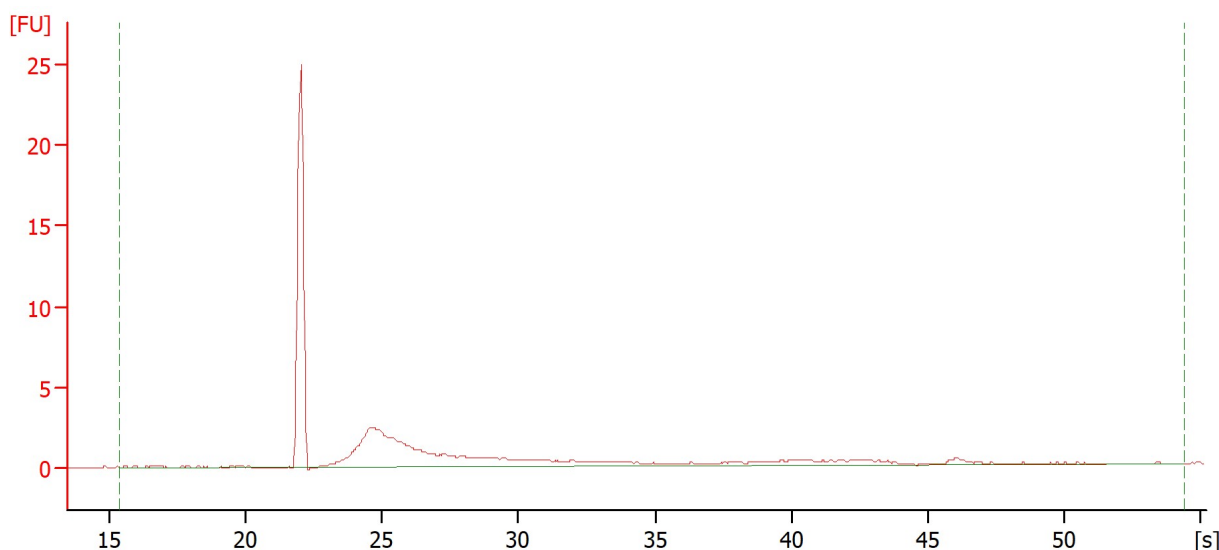
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,800	2,074	0.8	1.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...

13



Overall Results for sample 4 : 13

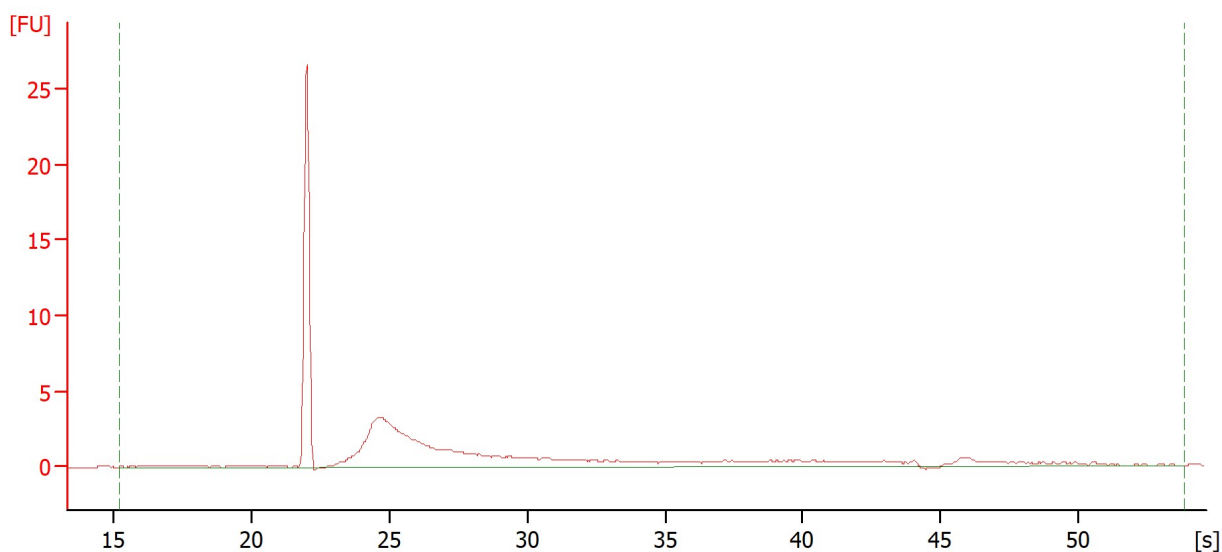
RNA Area:	35.2	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	202 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...

14



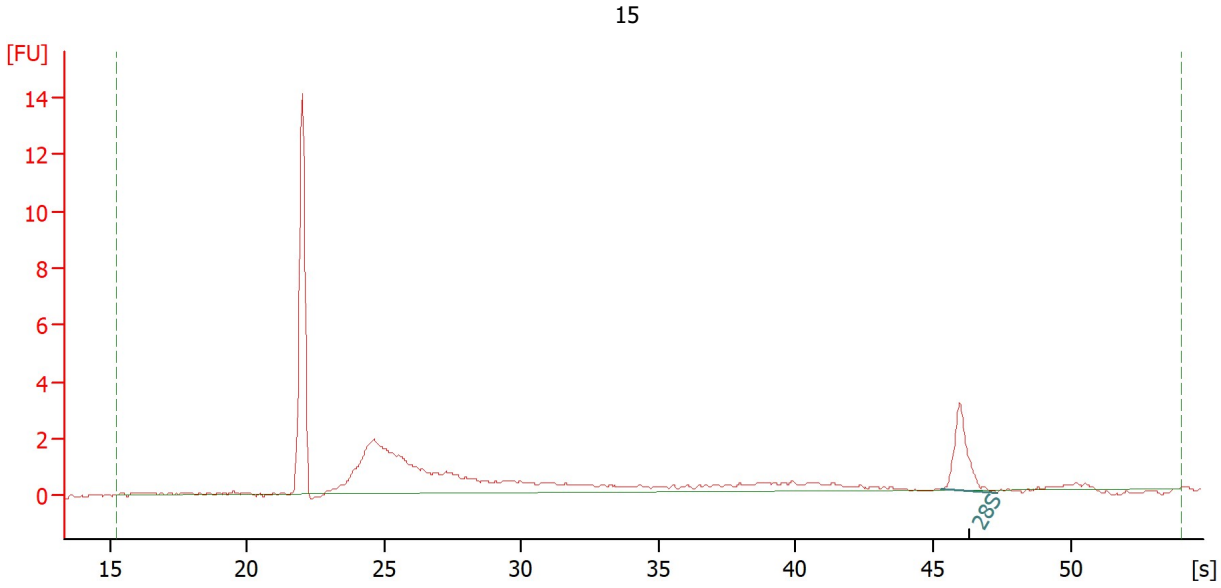
Overall Results for sample 5 : 14

RNA Area:	53.1	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	305 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 15

RNA Area:	33.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	192 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

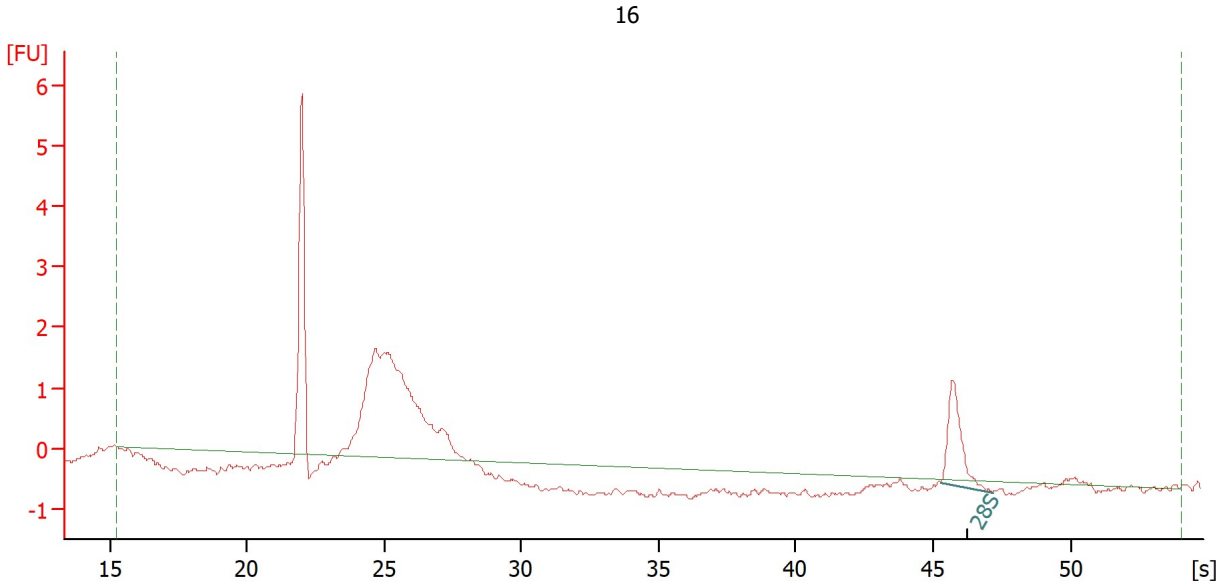
Fragment table for sample 6 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,761	2,105	3.7	11.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 16

RNA Area:	16.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	97 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : 16

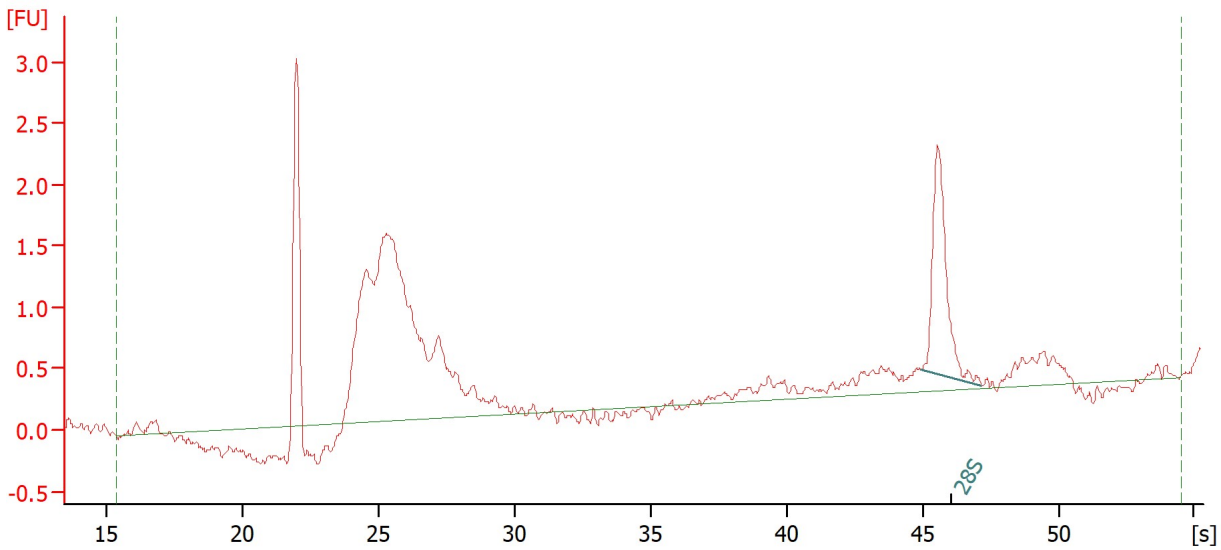
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,761	2,070	2.1	12.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...

17



Overall Results for sample 8 : 17

RNA Area:	21.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	125 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

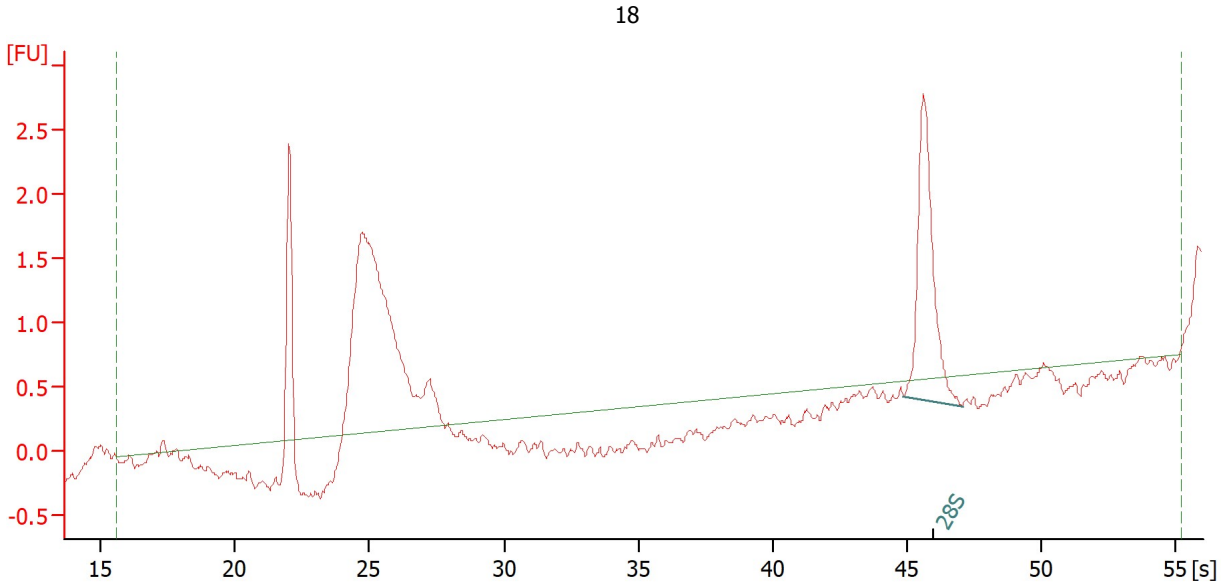
Fragment table for sample 8 : 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,721	2,077	2.4	10.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 18

RNA Area:	13.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	76 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

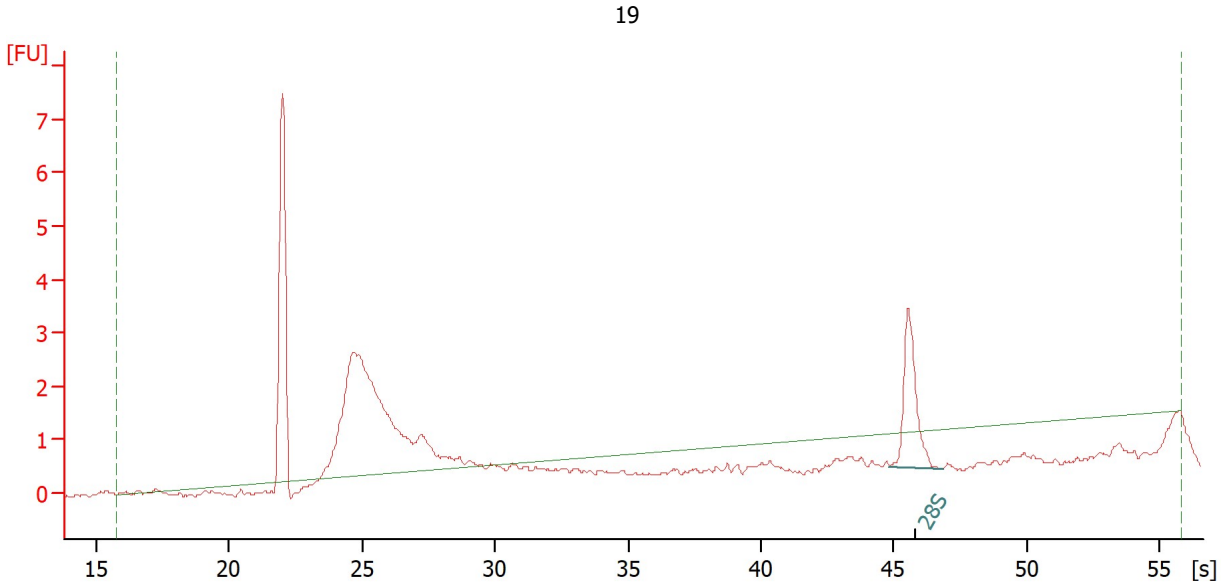
Fragment table for sample 9 : 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,705	2,050	3.3	25.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 19

RNA Area:	21.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	121 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

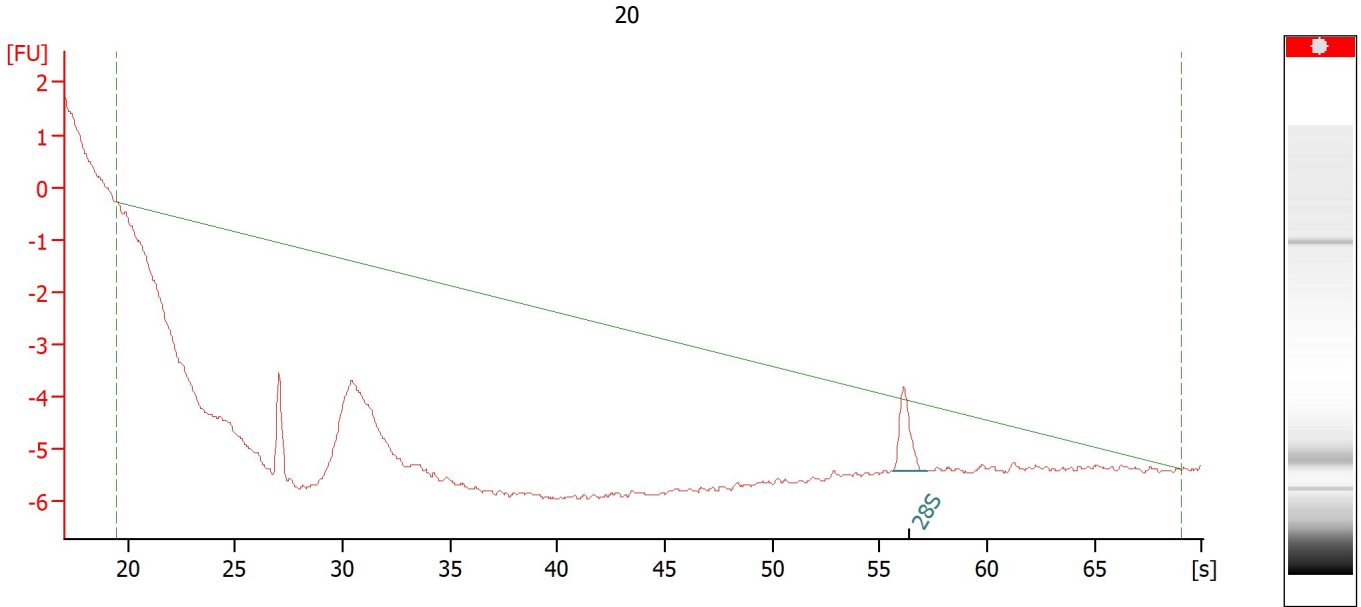
Fragment table for sample 10 : 19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,700	2,003	3.4	16.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 20

RNA Area:	0.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	0 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

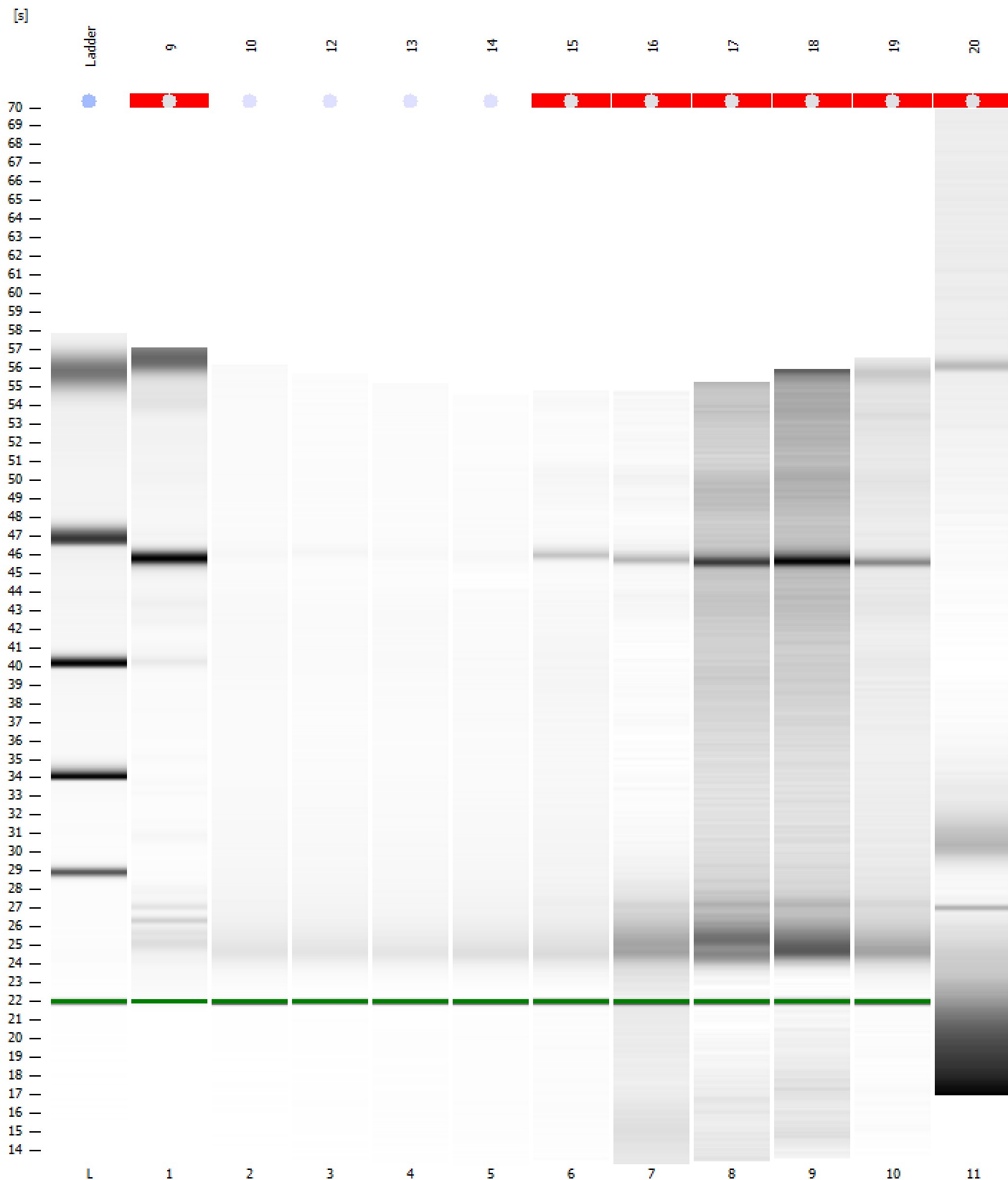
Fragment table for sample 11 : 20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,949	4,305	1.7	2,211.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad

Created: 3/3/2020 4:13:53 PM
Modified: 3/3/2020 4:39:01 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...03\Bioanalyzer1_Eukaryote Total RNA Pico_2020-03-03_001.xad
 Created: 3/3/2020 4:13:53 PM
 Modified: 3/3/2020 4:39:01 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		3/3/2020 4:36:48 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-03\Bioanalyze r1_Eukaryote Total RNA Pico_2020-03-03_001.xad)		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/3/2020 4:13:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/3/2020 4:13:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB