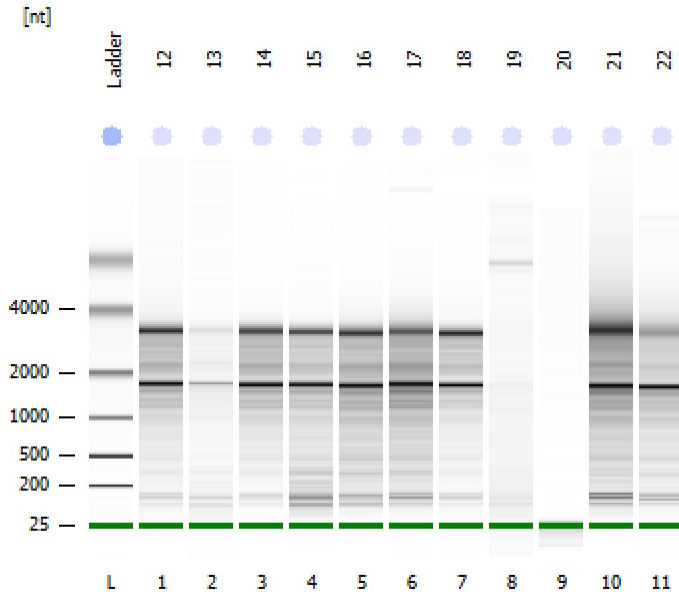


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
Modified: 8/27/2020 5:24:45 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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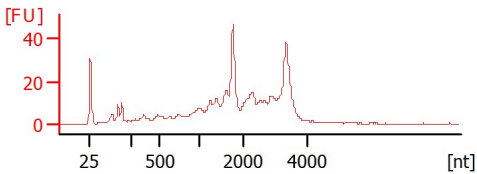
Chip Information:

Chip Lot #:

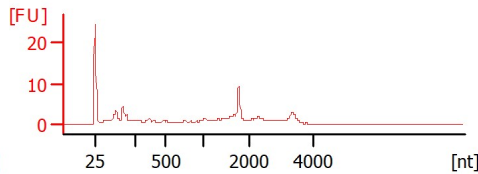
Reagent Kit Lot #:

Chip Comments:

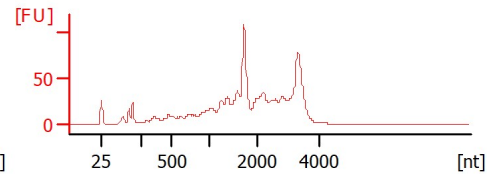
12
NovaSeq252 TotRNA
RIN: 6.50



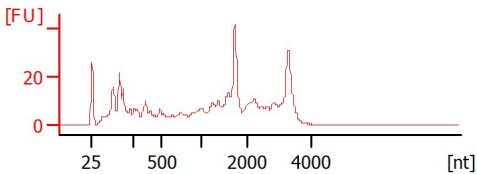
13
NovaSeq252 TotRNA
RIN: 6.50



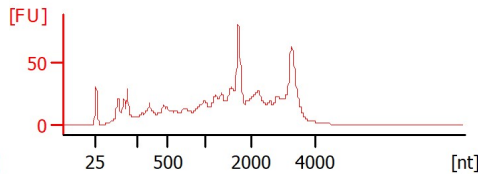
14
NovaSeq252 TotRNA
RIN: 6.30



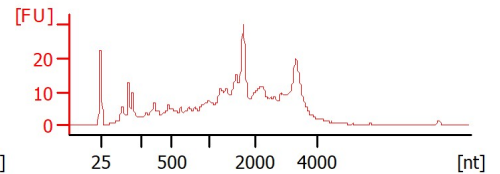
15
NovaSeq252 TotRNA
RIN: 6.20



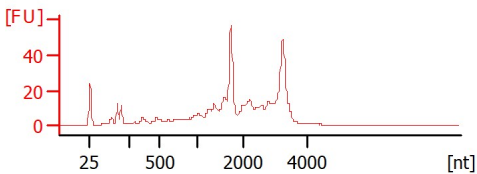
16
NovaSeq252 TotRNA
RIN: 5.70



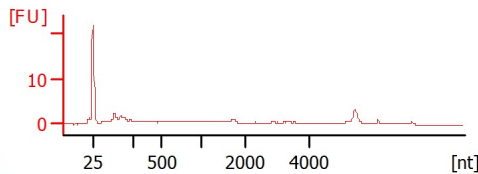
17
NovaSeq252 TotRNA
RIN: 5.80



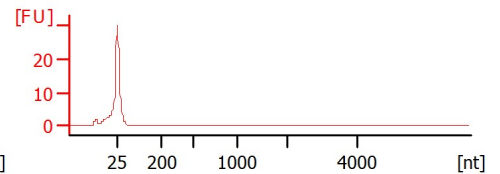
18
NovaSeq252 TotRNA
RIN: 6.80



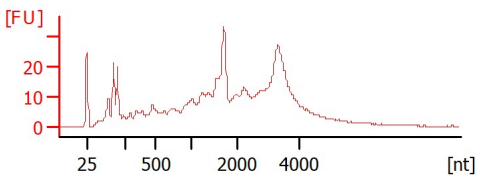
19
NovaSeq252 TotRNA
RIN: 2



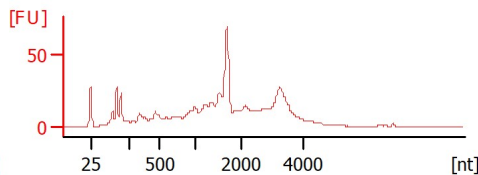
20
NovaSeq252 TotRNA
RIN: 1



21
NovaSeq252 TotRNA
RIN: 6.60



22
NovaSeq252 TotRNA
RIN: 6



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
12	NovaSeq252 TotRNA	✓	RIN: 6.50	
13	NovaSeq252 TotRNA	✓	RIN: 6.50	
14	NovaSeq252 TotRNA	✓	RIN: 6.30	
15	NovaSeq252 TotRNA	✓	RIN: 6.20	
16	NovaSeq252 TotRNA	✓	RIN: 5.70	
17	NovaSeq252 TotRNA	✓	RIN: 5.80	
18	NovaSeq252 TotRNA	✓	RIN: 6.80	
19	NovaSeq252 TotRNA	✓	RIN:2	
20	NovaSeq252 TotRNA	✓	RIN:1	
21	NovaSeq252 TotRNA	✓	RIN: 6.60	
22	NovaSeq252 TotRNA	✓	RIN:6	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 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

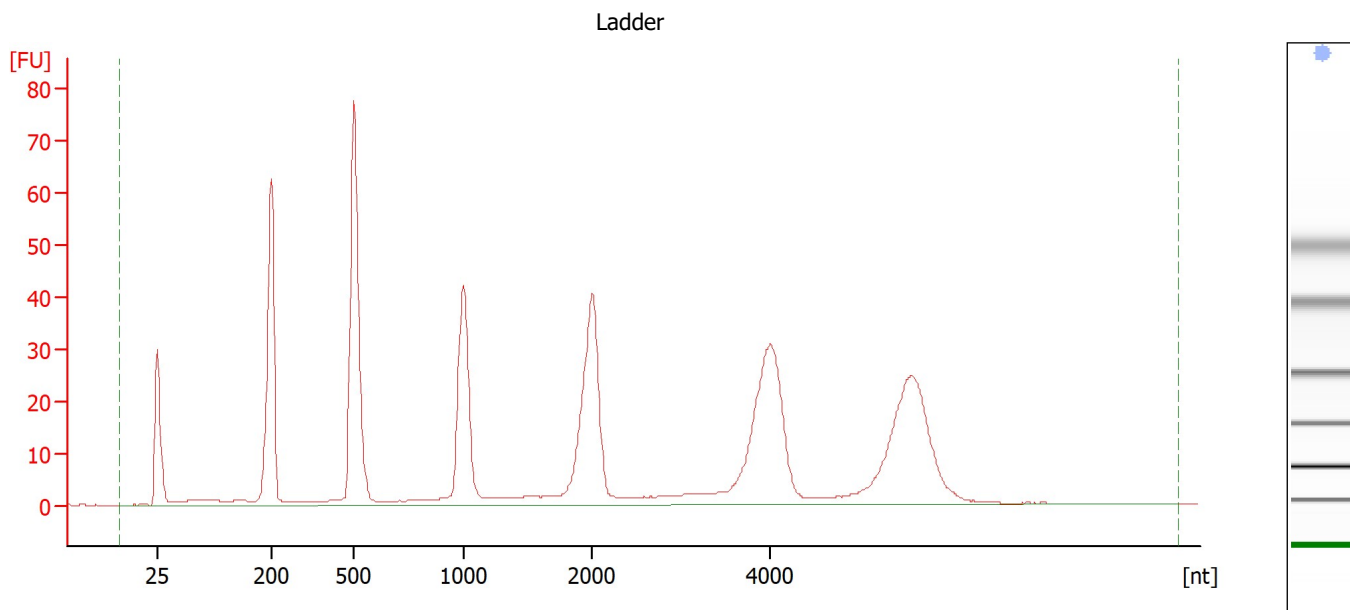
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary



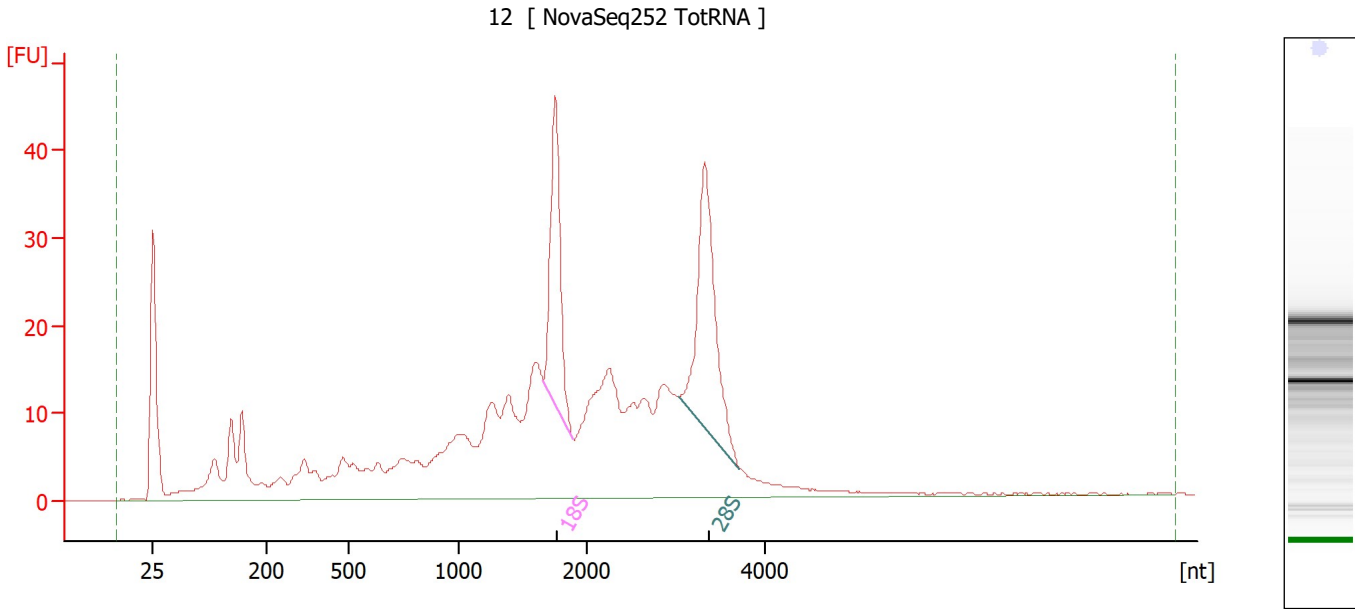
Overall Results for Ladder

RNA Area:	622.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 12

RNA Area:	588.1	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	945 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.50

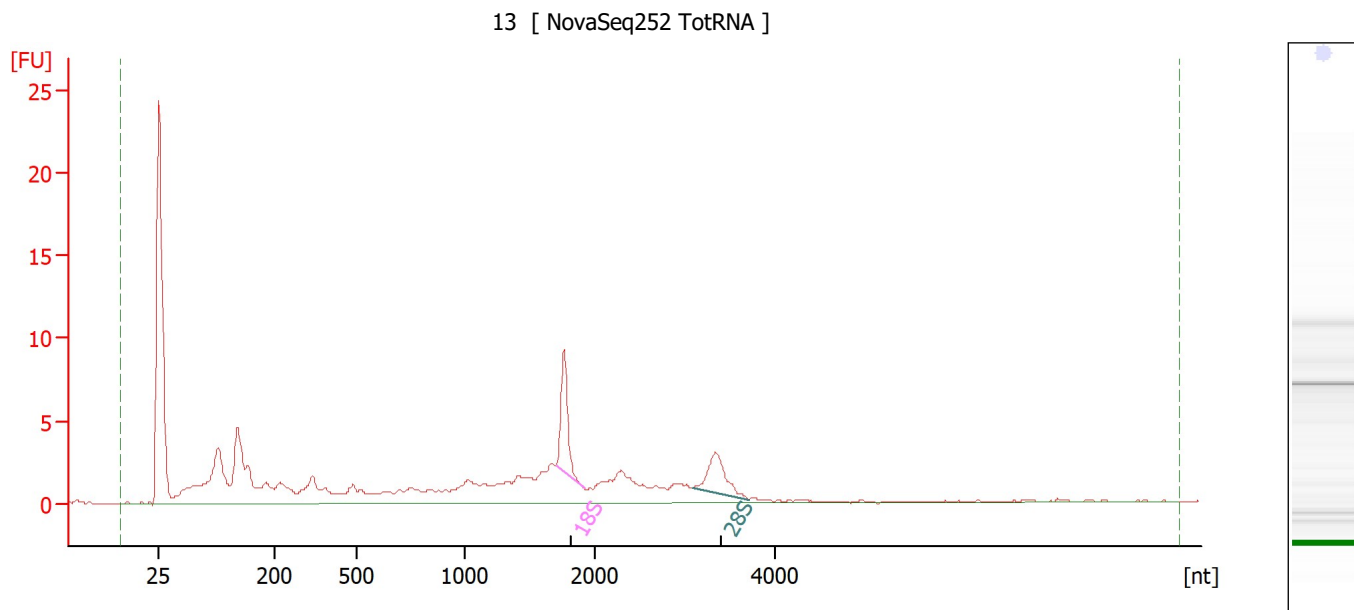
Fragment table for sample 1 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	1,891	46.2	7.9
28S	3,031	3,716	60.8	10.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13

RNA Area:	107.6	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	173 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.50

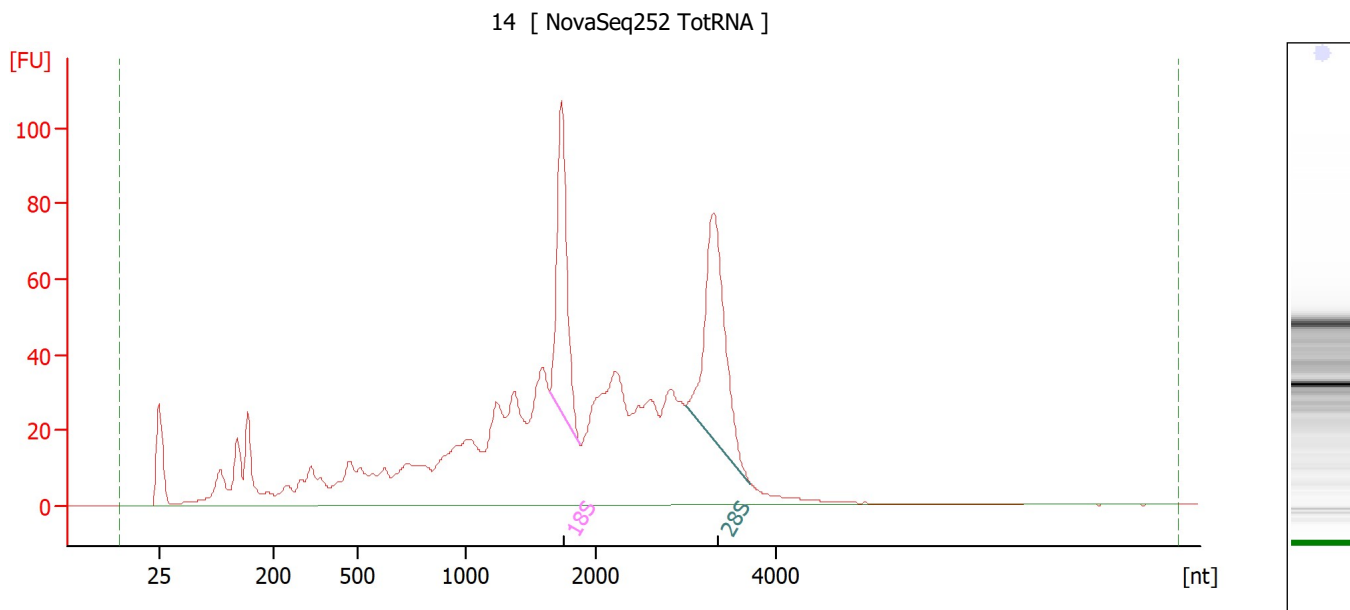
Fragment table for sample 2 : 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	1,917	7.1	6.6
28S	3,099	3,709	4.8	4.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14

RNA Area:	1,355.0	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	2,176 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.30

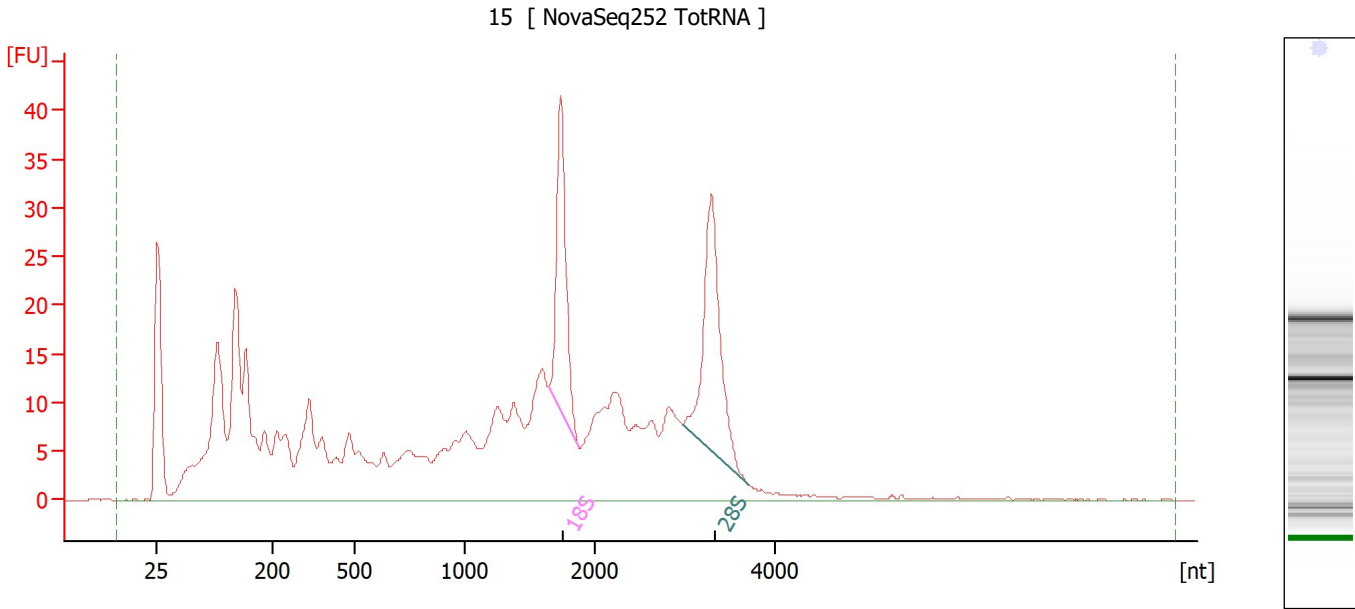
Fragment table for sample 3 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,638	1,869	112.9	8.3
28S	2,990	3,717	137.6	10.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 15

RNA Area:	632.6	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	1,016 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.20

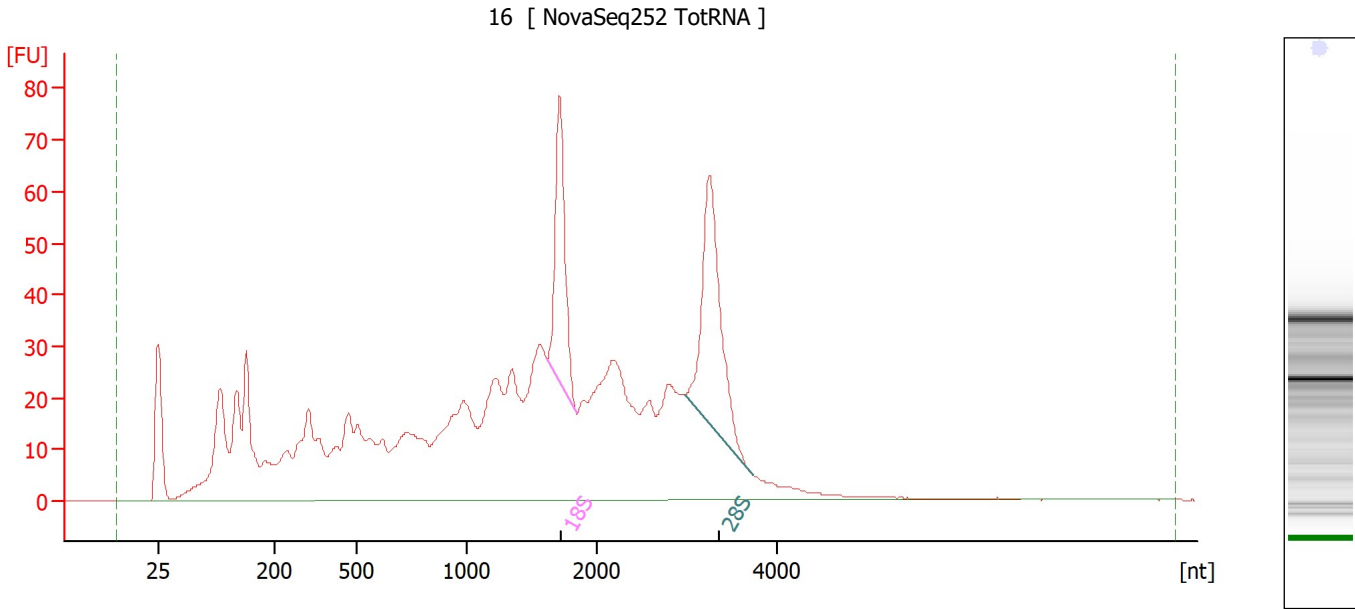
Fragment table for sample 4 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,869	41.4	6.5
28S	2,976	3,702	49.4	7.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16

RNA Area:	1,335.1	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	2,144 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 5.70

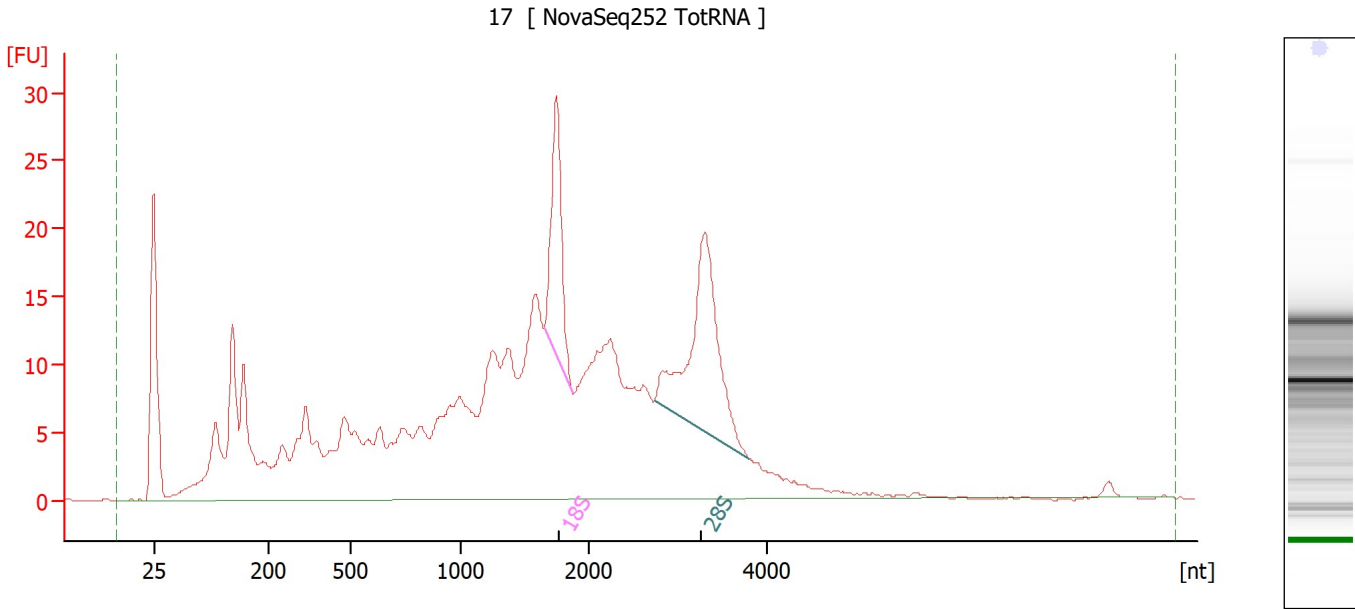
Fragment table for sample 5 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,837	73.5	5.5
28S	2,974	3,722	100.9	7.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17

RNA Area:	558.3	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	897 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 5.80

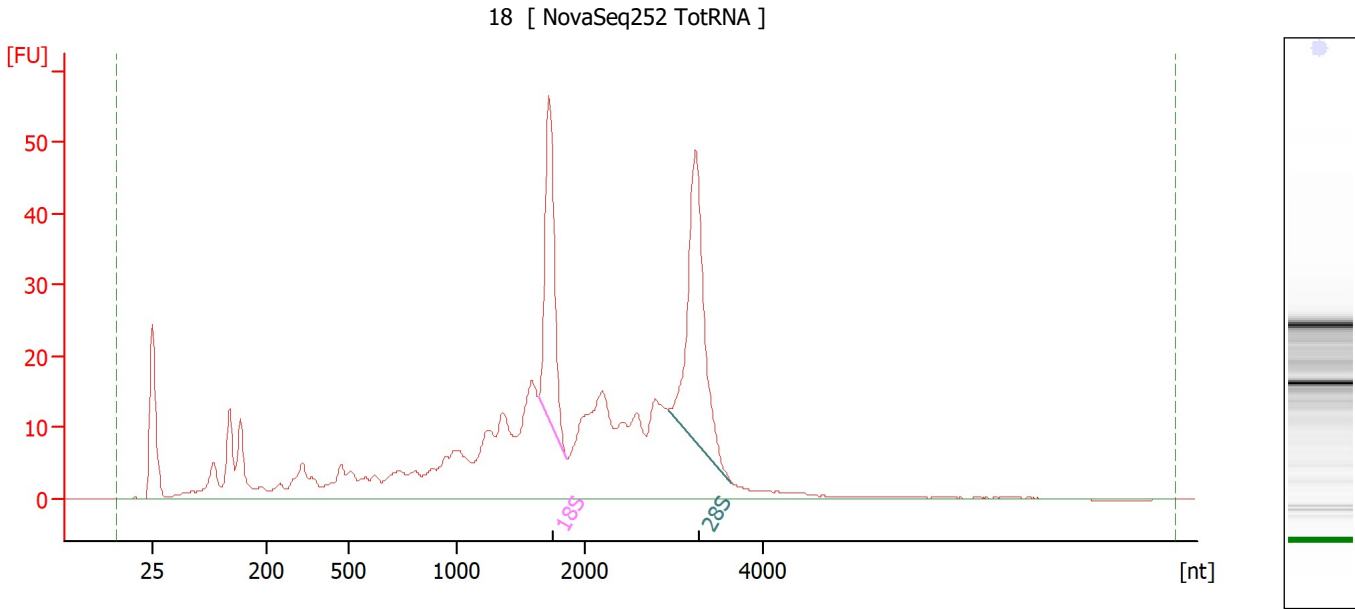
Fragment table for sample 6 : 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	1,867	26.5	4.8
28S	2,730	3,784	46.7	8.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 18

RNA Area:	598.1	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	961 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.80

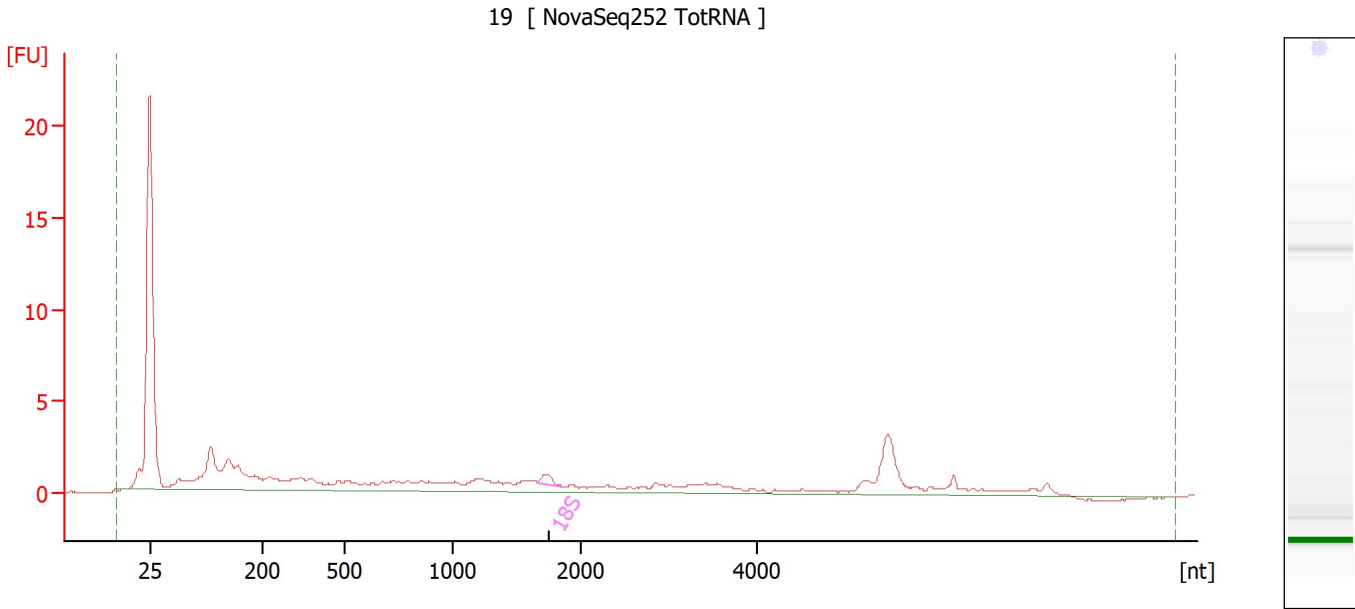
Fragment table for sample 7 : 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,858	56.5	9.4
28S	2,937	3,647	75.3	12.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 19

RNA Area:	57.9	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	93 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

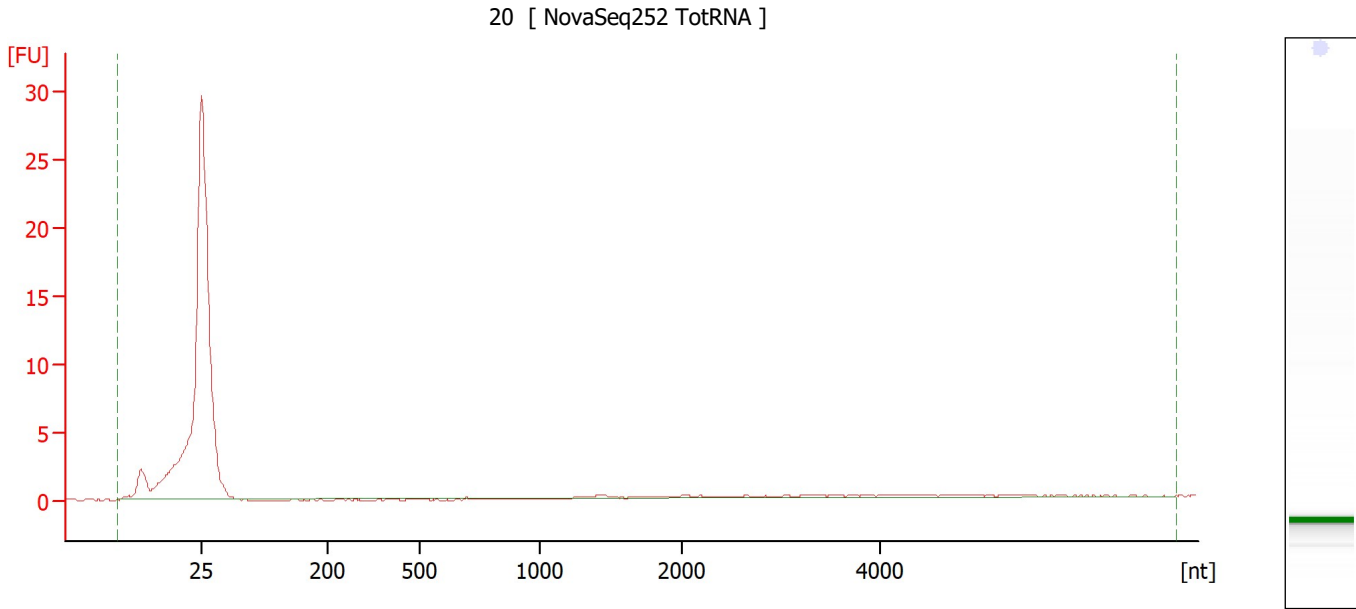
Fragment table for sample 8 : 19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,865	0.8	1.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



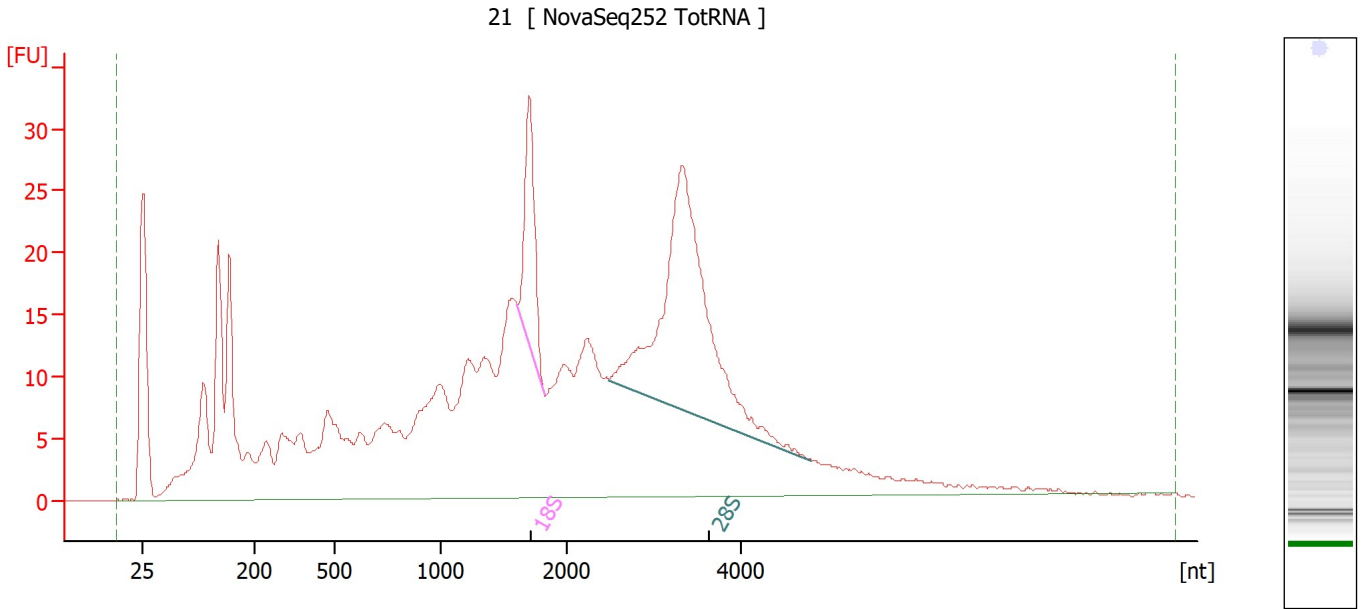
Overall Results for sample 9 : 20

RNA Area:	11.1	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	18 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 21

RNA Area:	750.4	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	1,205 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.7	Result Flagging Label:	RIN: 6.60

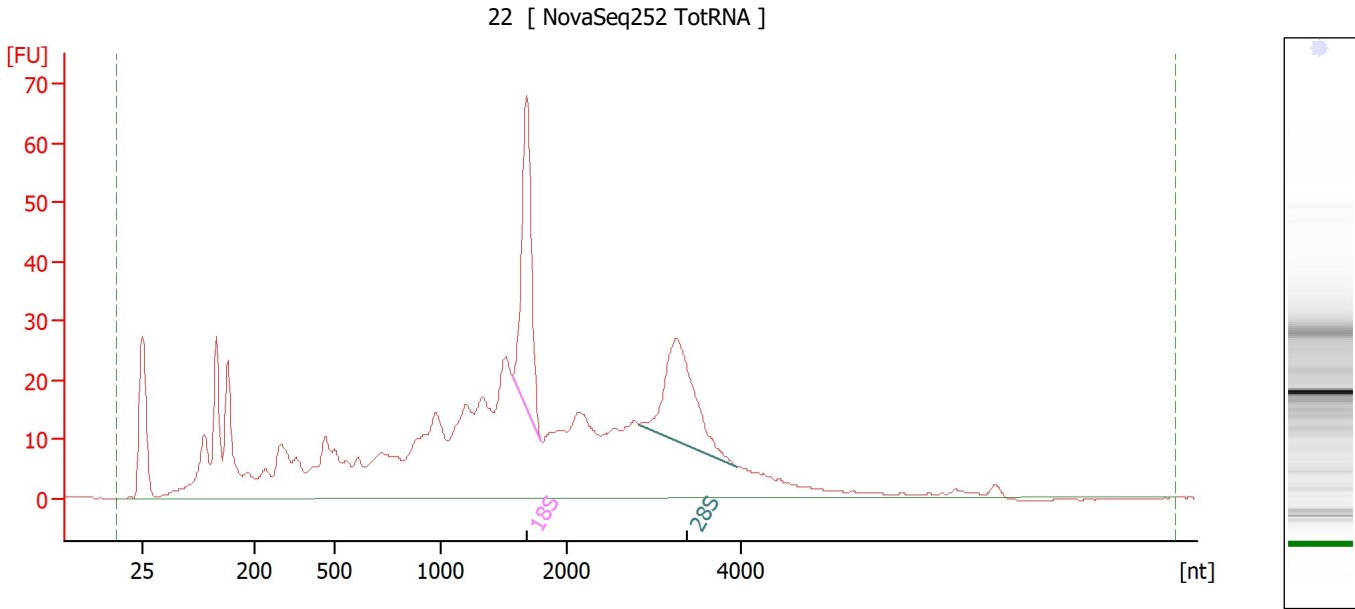
Fragment table for sample 10 : 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,826	27.4	3.6
28S	2,498	4,821	100.9	13.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 22

RNA Area:	904.8	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	1,453 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN:6

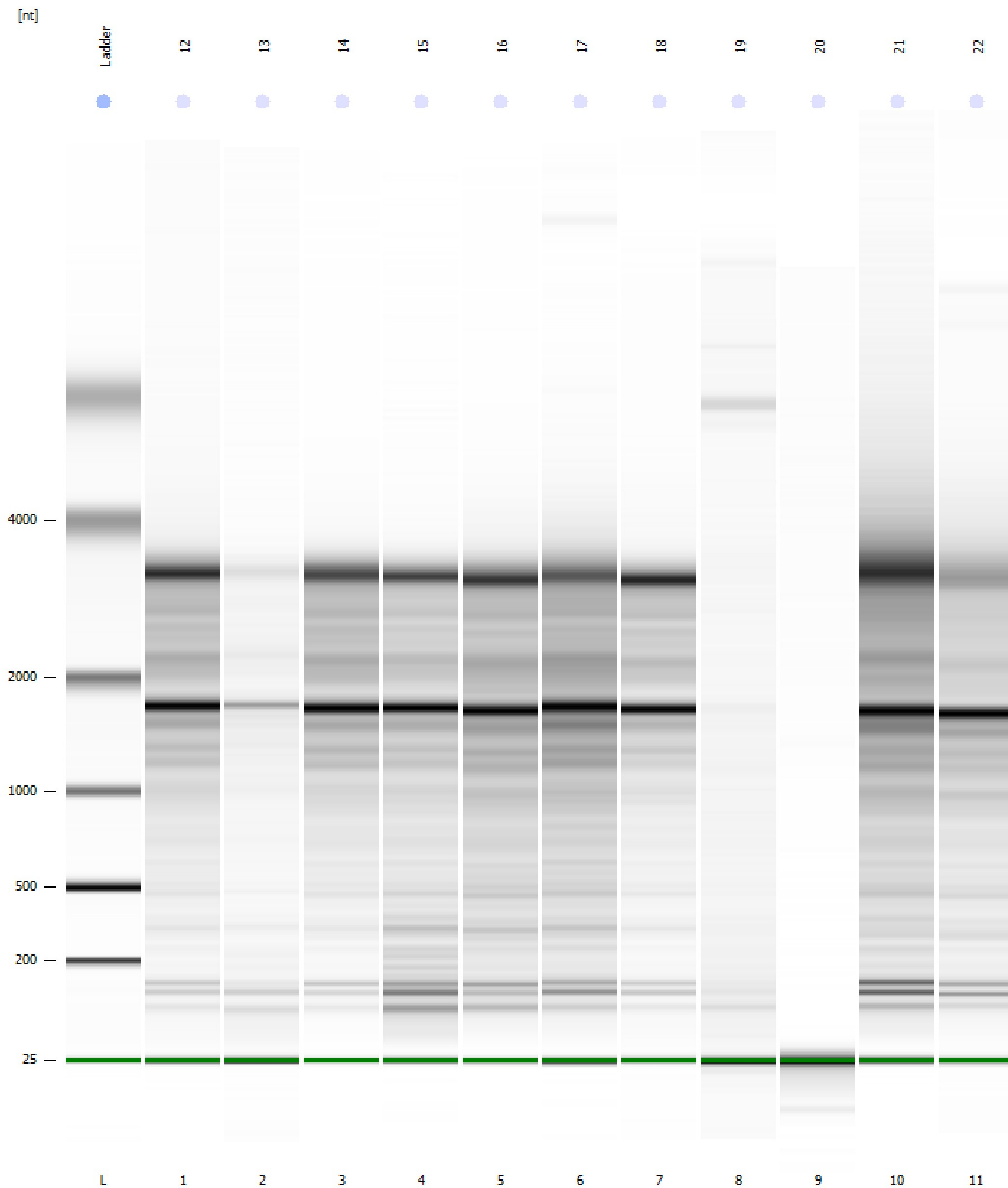
Fragment table for sample 11 : 22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,800	73.6	8.1
28S	2,842	3,961	60.5	6.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
Modified: 8/27/2020 5:24:45 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...27\Bioanalyzer1_Eukaryote Total RNA Pico_2020-08-27_002.xad

Created: 8/27/2020 4:55:01 PM
 Modified: 8/27/2020 5:24:45 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		8/27/2020 5:17:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-27\Bioanalyze r1_Eukaryote Total RNA Pico_2020-08-27_002.xad)		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/27/2020 4:55:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB