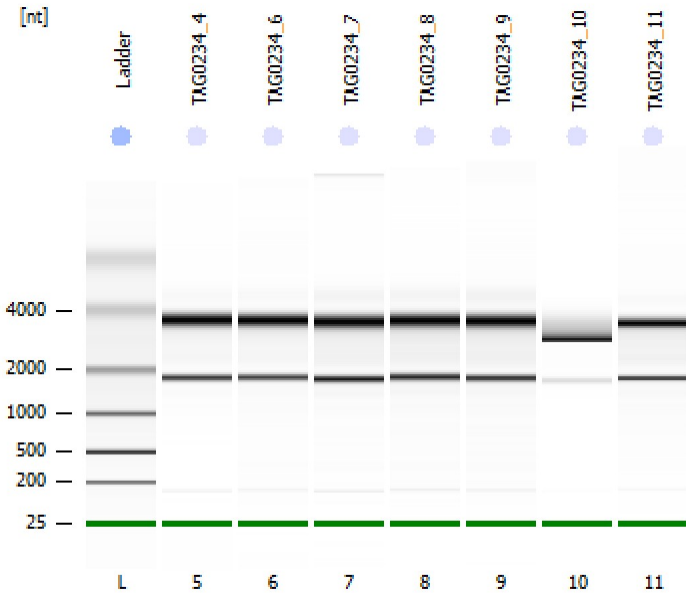


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 3:38:29 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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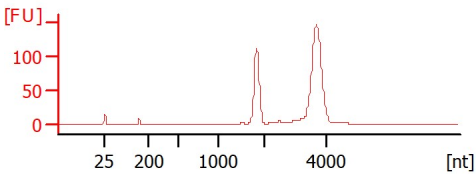
Chip Information:

Chip Lot #:

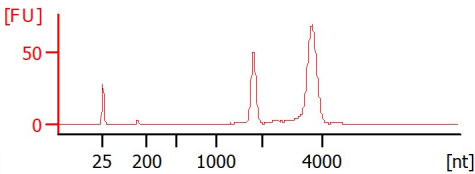
Reagent Kit Lot #:

Chip Comments:

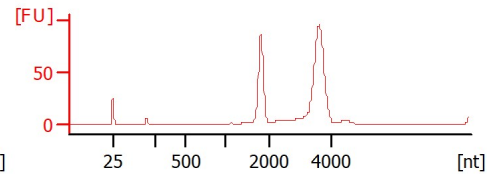
TAG0234_4
RIN:10



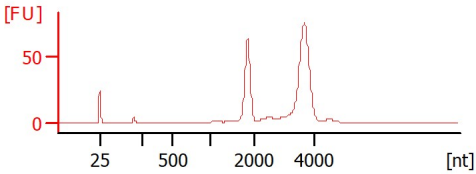
TAG0234_6
RIN:10



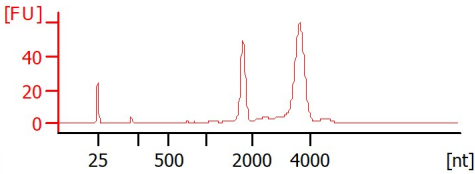
TAG0234_7
RIN:10



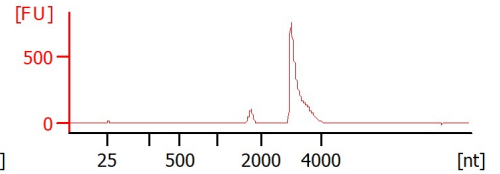
TAG0234_8
RIN:10



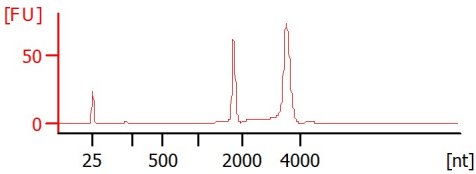
TAG0234_9
RIN:10



TAG0234_10
RIN: 7.90



TAG0234_11
RIN:10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0234_4		✓	RIN:10	
TAG0234_6		✓	RIN:10	
TAG0234_7		✓	RIN:10	
TAG0234_8		✓	RIN:10	
TAG0234_9		✓	RIN:10	
TAG0234_10		✓	RIN: 7.90	
TAG0234_11		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 3:38:29 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 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

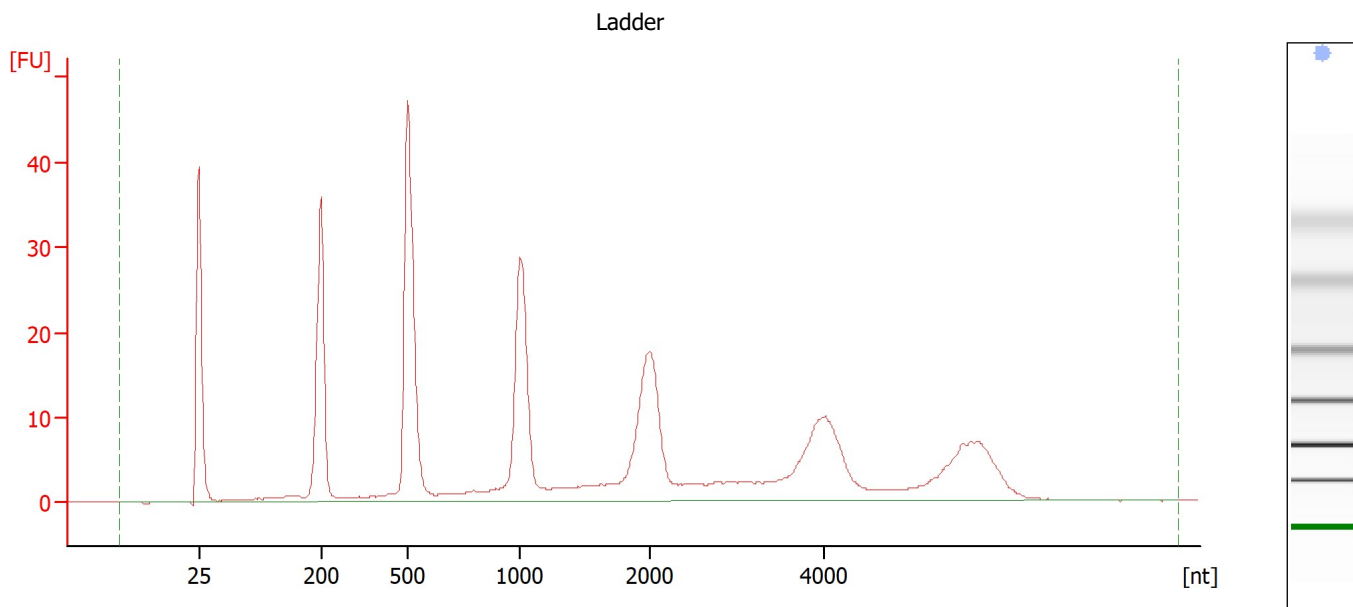
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary



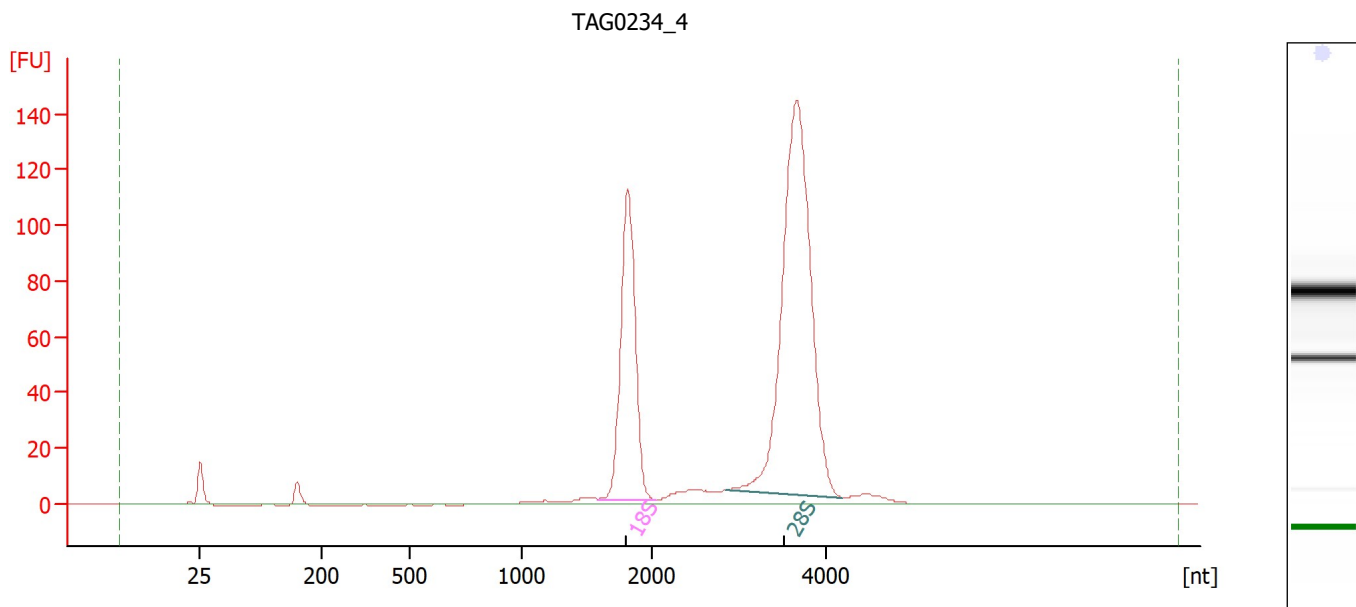
Overall Results for Ladder

RNA Area:	361.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0234_4

RNA Area:	737.8	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	2,042 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

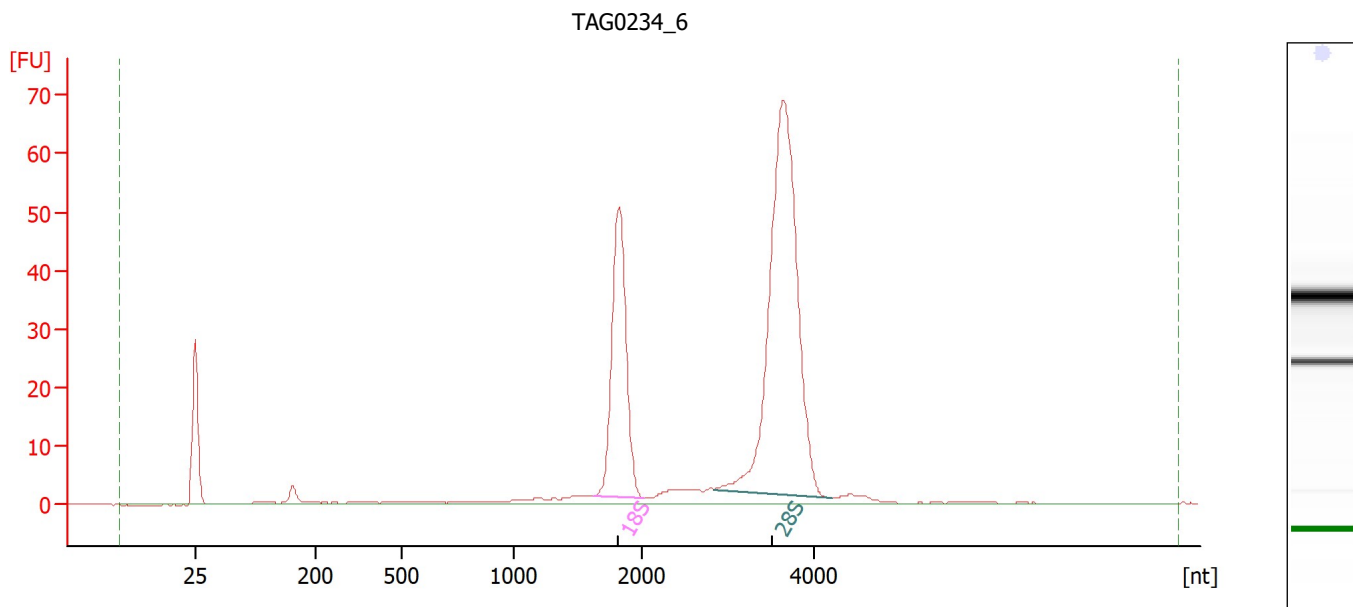
Fragment table for sample 5 : TAG0234_4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	2,037	200.3	27.1
28S	2,858	4,180	427.2	57.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0234_6

RNA Area:	363.2	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,005 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

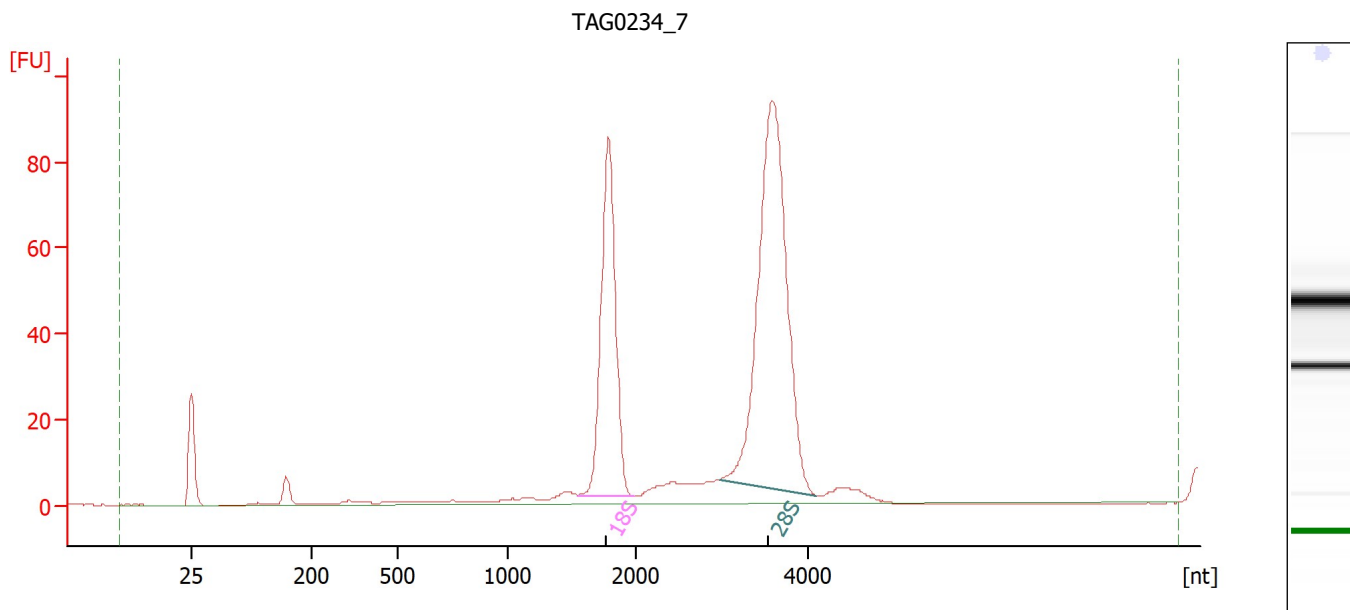
Fragment table for sample 6 : TAG0234_6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	2,020	89.3	24.6
28S	2,824	4,210	200.7	55.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0234_7

RNA Area:	568.3	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,573 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

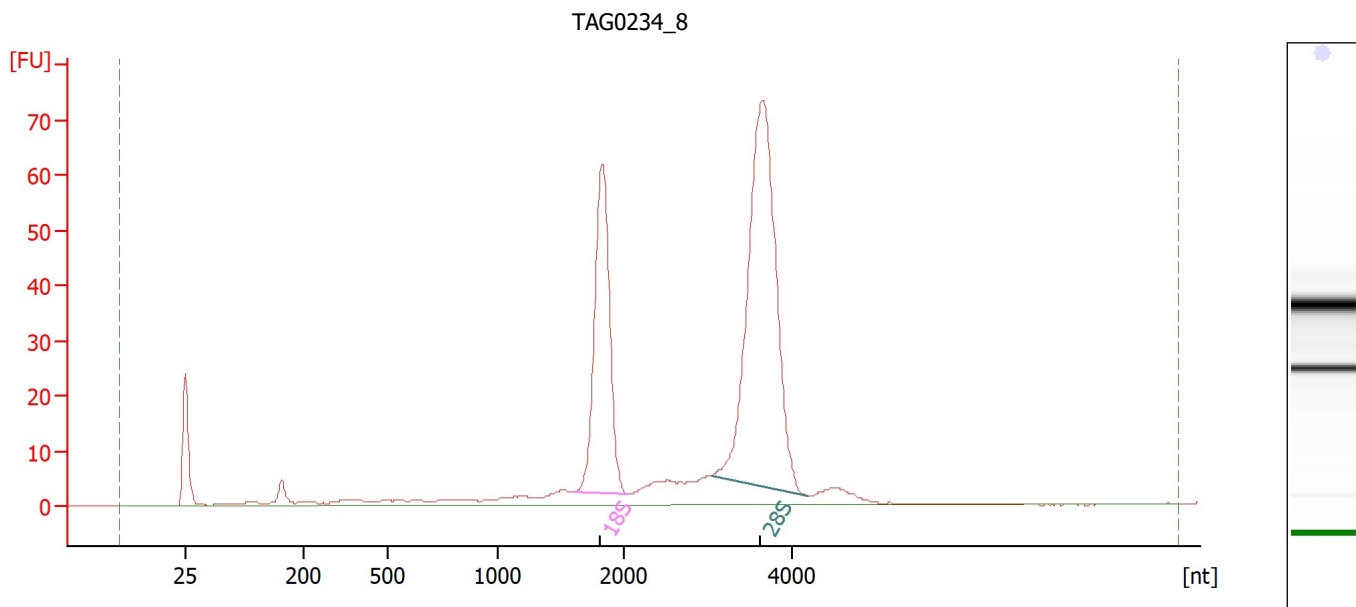
Fragment table for sample 7 : TAG0234_7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,986	153.2	27.0
28S	2,976	4,109	277.5	48.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG0234_8

RNA Area:	473.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,311 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

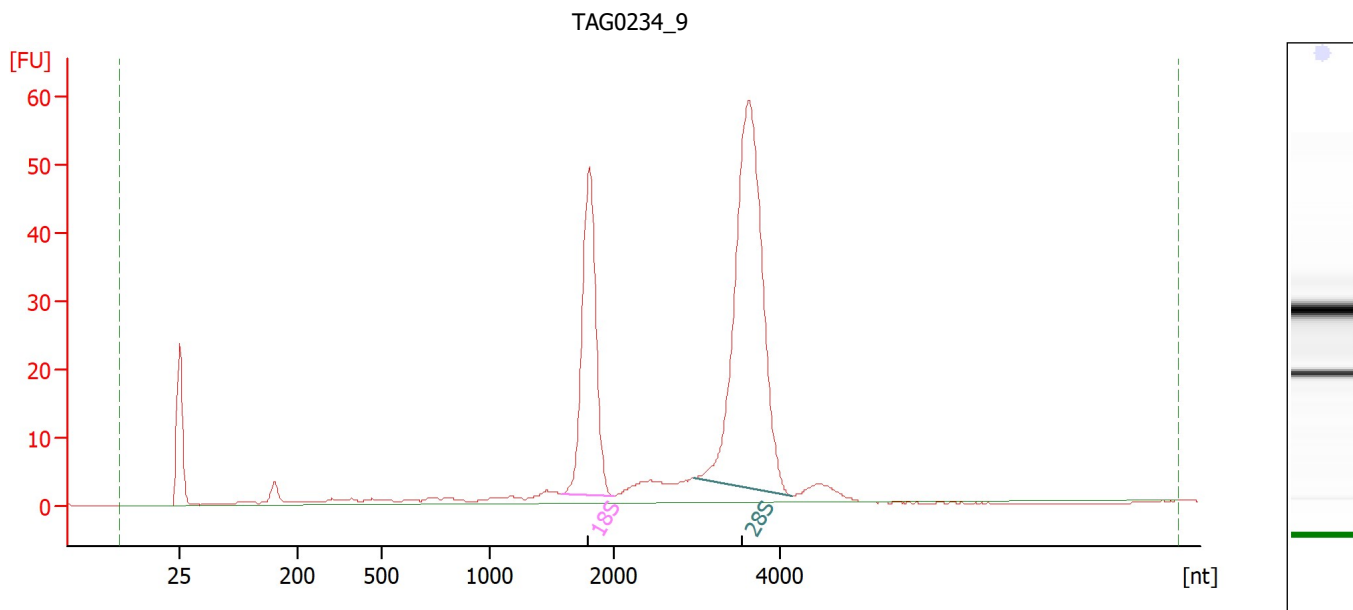
Fragment table for sample 8 : TAG0234_8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	2,060	116.2	24.5
28S	3,045	4,169	215.3	45.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0234_9

RNA Area:	361.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,001 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:10

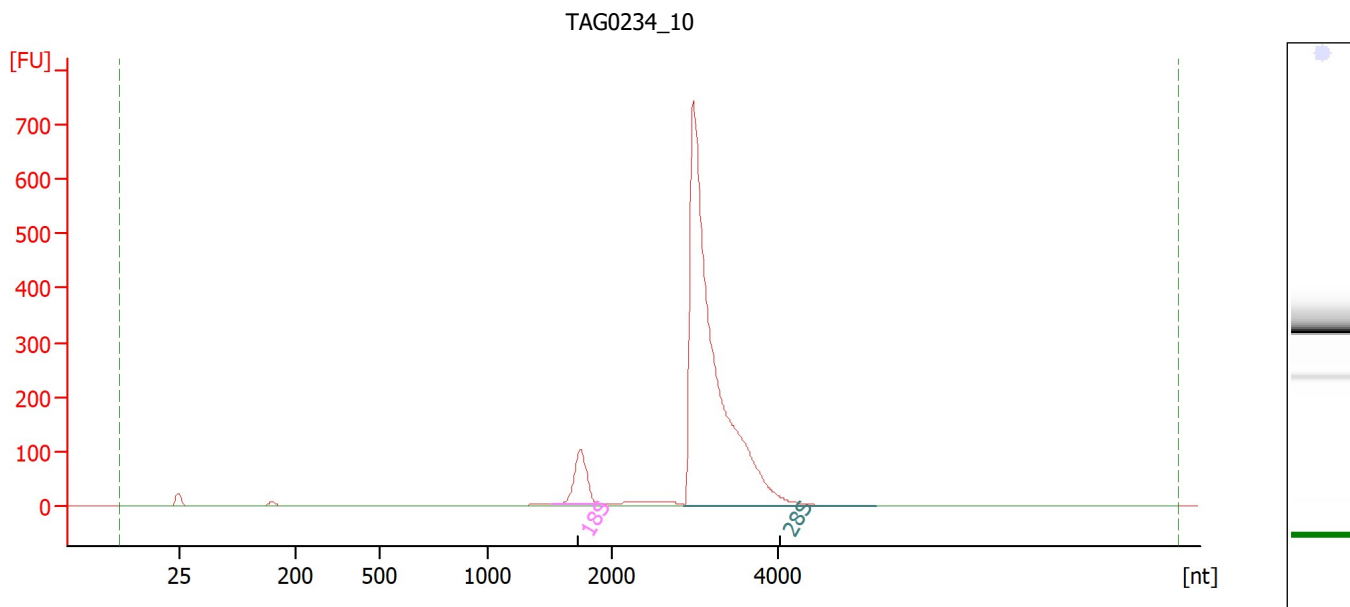
Fragment table for sample 9 : TAG0234_9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	2,017	86.2	23.8
28S	2,974	4,123	172.2	47.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0234_10

RNA Area:	2,315.5	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,408 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	11.7	Result Flagging Label:	RIN: 7.90

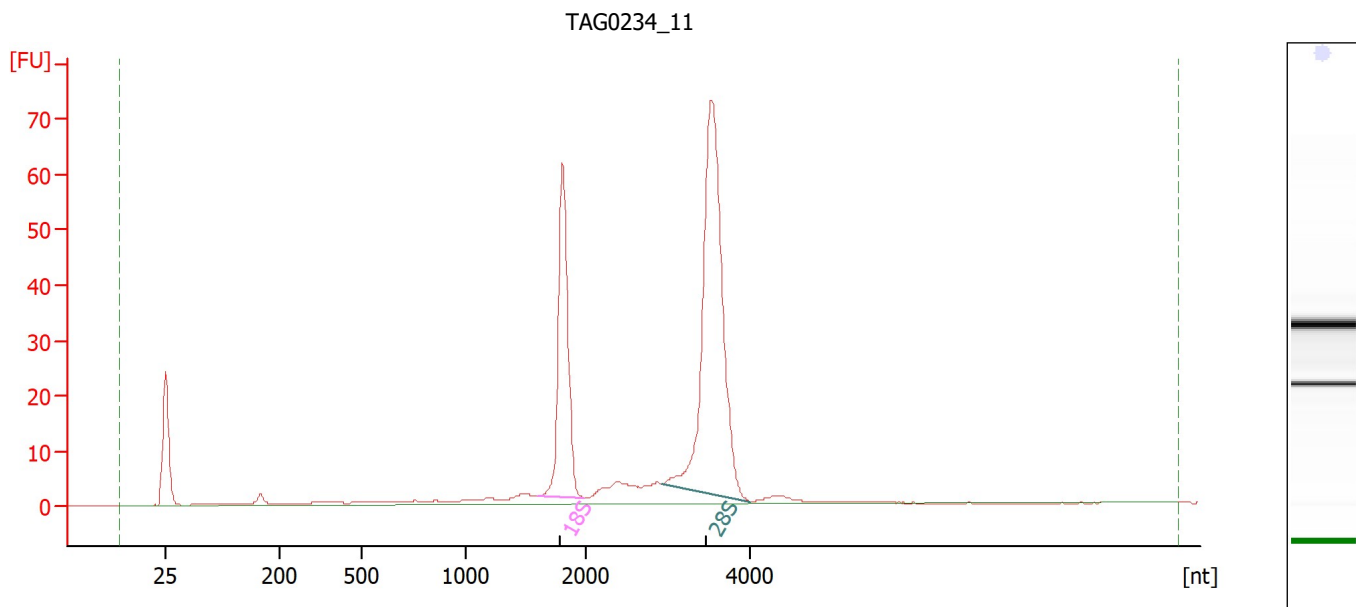
Fragment table for sample 10 : TAG0234_10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,528	1,933	170.2	7.4
28S	2,873	5,163	1,991.5	86.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 3:38:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0234_11

RNA Area:	327.5	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	906 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:10

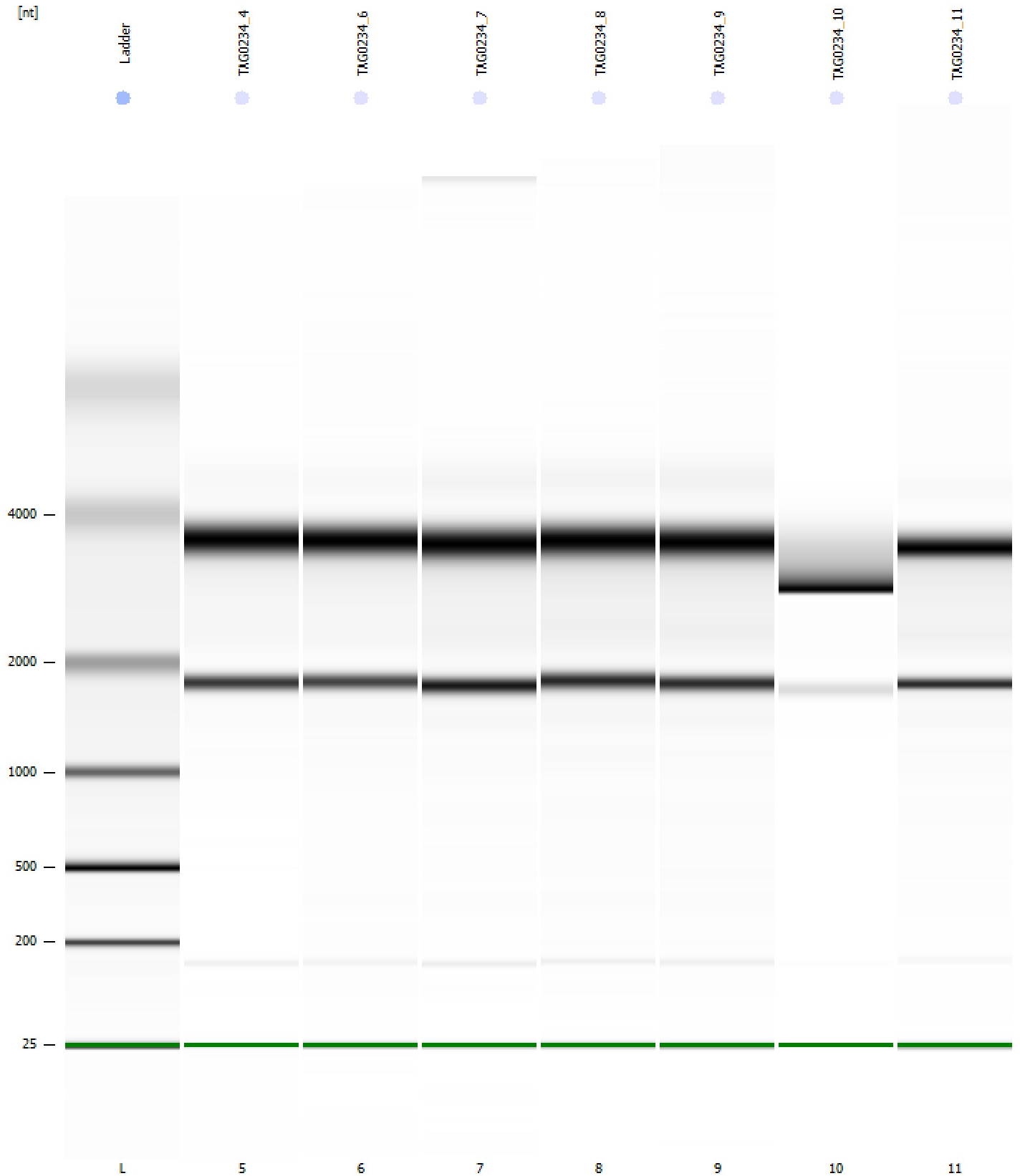
Fragment table for sample 11 : TAG0234_11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,984	79.9	24.4
28S	2,936	4,014	158.9	48.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 3:38:29 PM

Gel Image

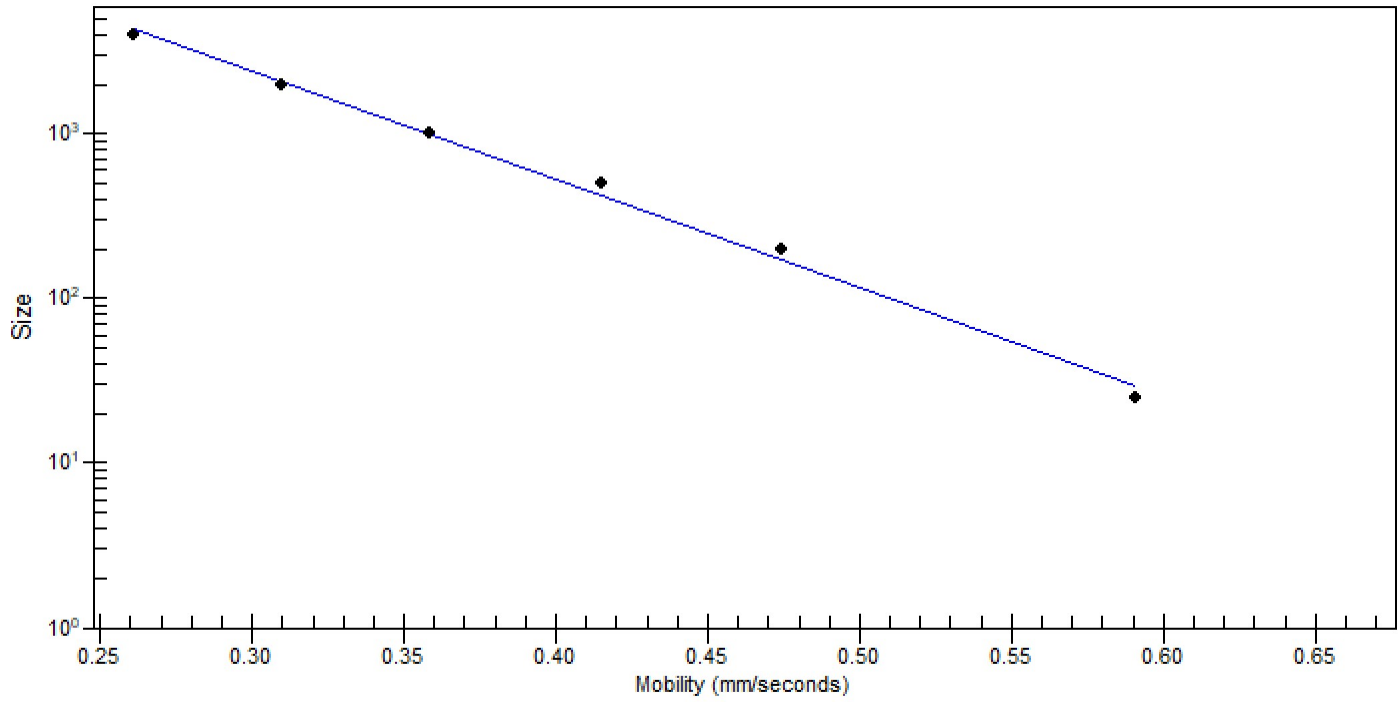


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 3:38:29 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 10/23/2023 2:52:48 PM
 Data Path: C:\...lyzer\2100 expert\data\2023-10-23\TAG0234_4_6-11_rna_qc.xad Modified: 10/23/2023 3:38:29 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		10/23/2023 3:15:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-23\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-23_001.xad)		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB