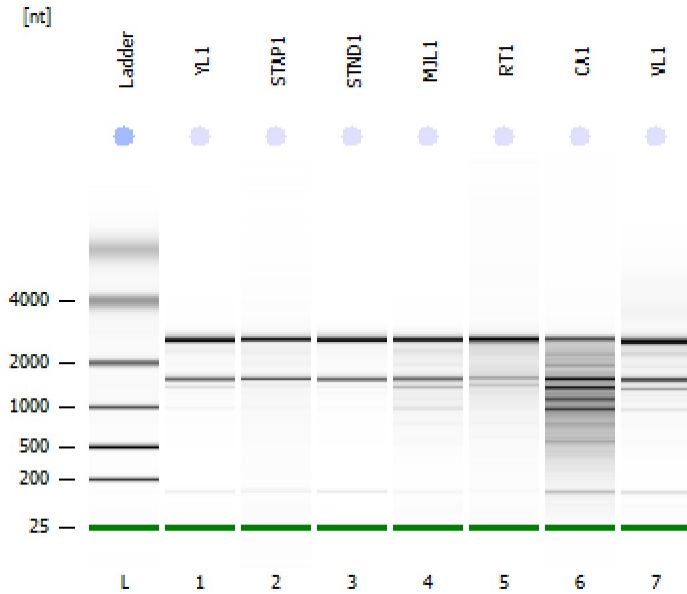


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

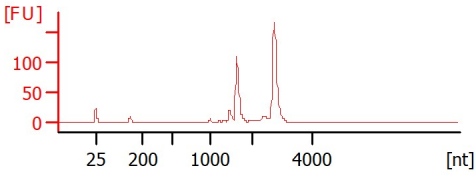
Chip Information:

Chip Lot #:

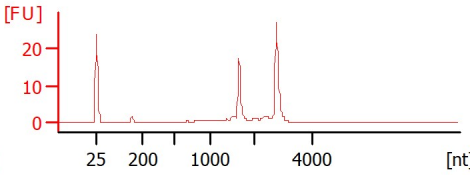
Reagent Kit Lot #:

Chip Comments:

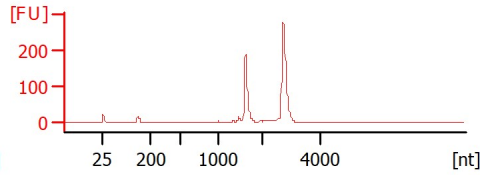
QC0626 YL1 RIN: 9.60



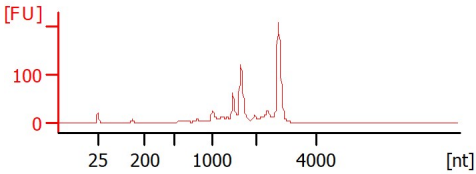
QC0626 STAP1 RIN:9



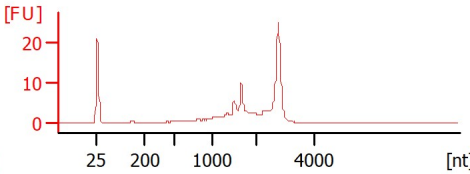
QC0626 STND1 RIN:10



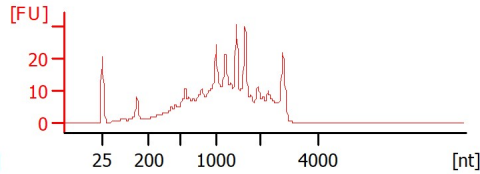
QC0626 MJL1 RIN: 8.10



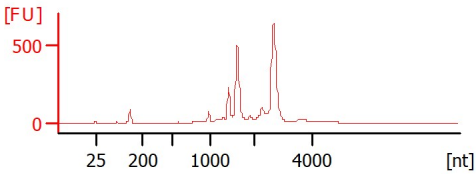
QC0626 RT1 RIN: 8.10



QC0626 CA1 RIN: 4.60



QC0626 VL1 RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
 Modified: 8/5/2020 12:50:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
YL1	QC0626	✓	RIN: 9.60	
STAP1	QC0626	✓	RIN:9	
STND1	QC0626	✓	RIN:10	
MJL1	QC0626	✓	RIN: 8.10	
RT1	QC0626	✓	RIN: 8.10	
CA1	QC0626	✓	RIN: 4.60	
VL1	QC0626	✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

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

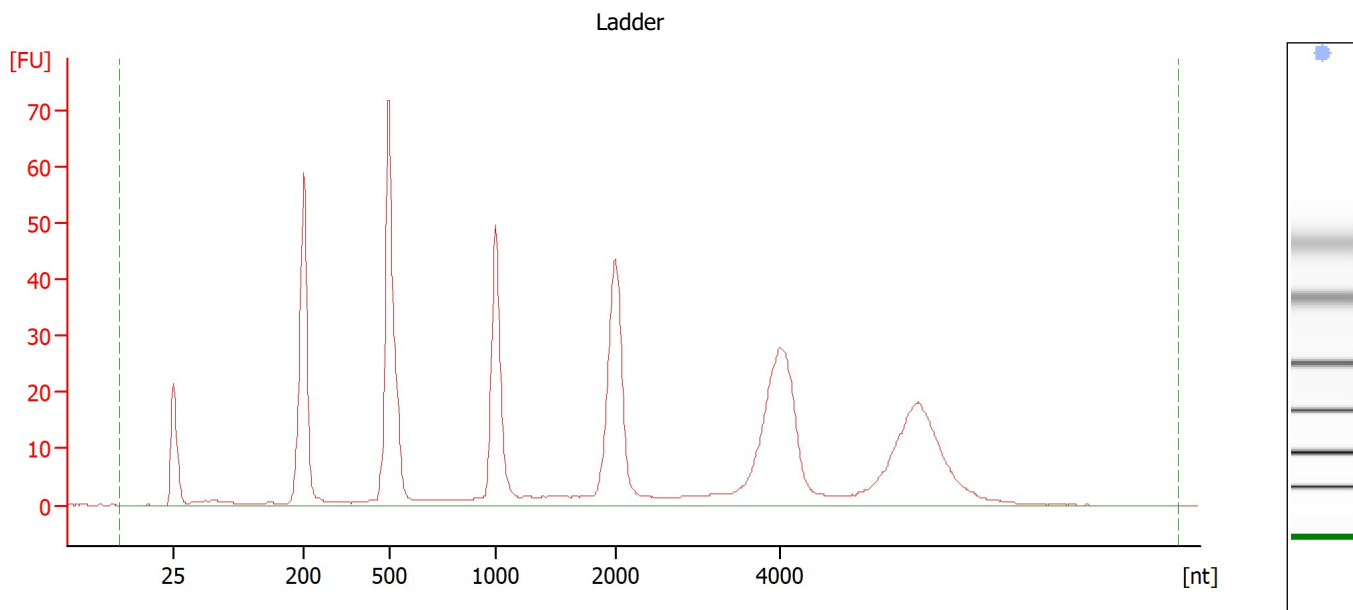
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary



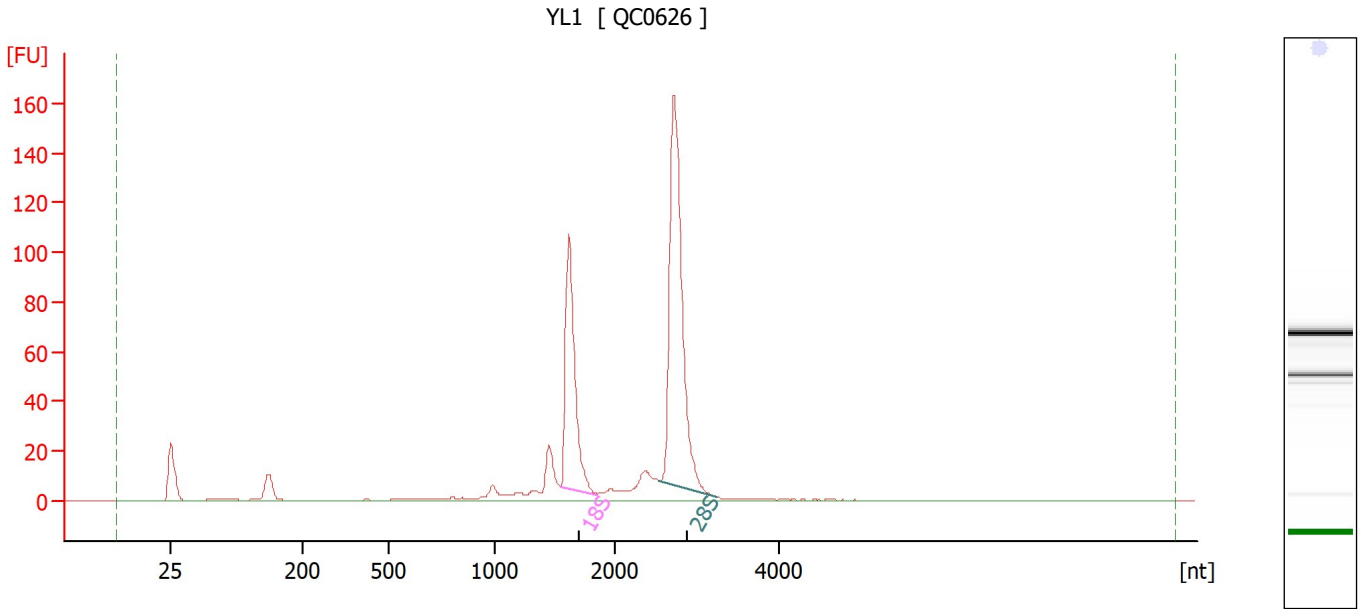
Overall Results for Ladder

RNA Area:	584.1	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : YL1

RNA Area:	537.9	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	138 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.60

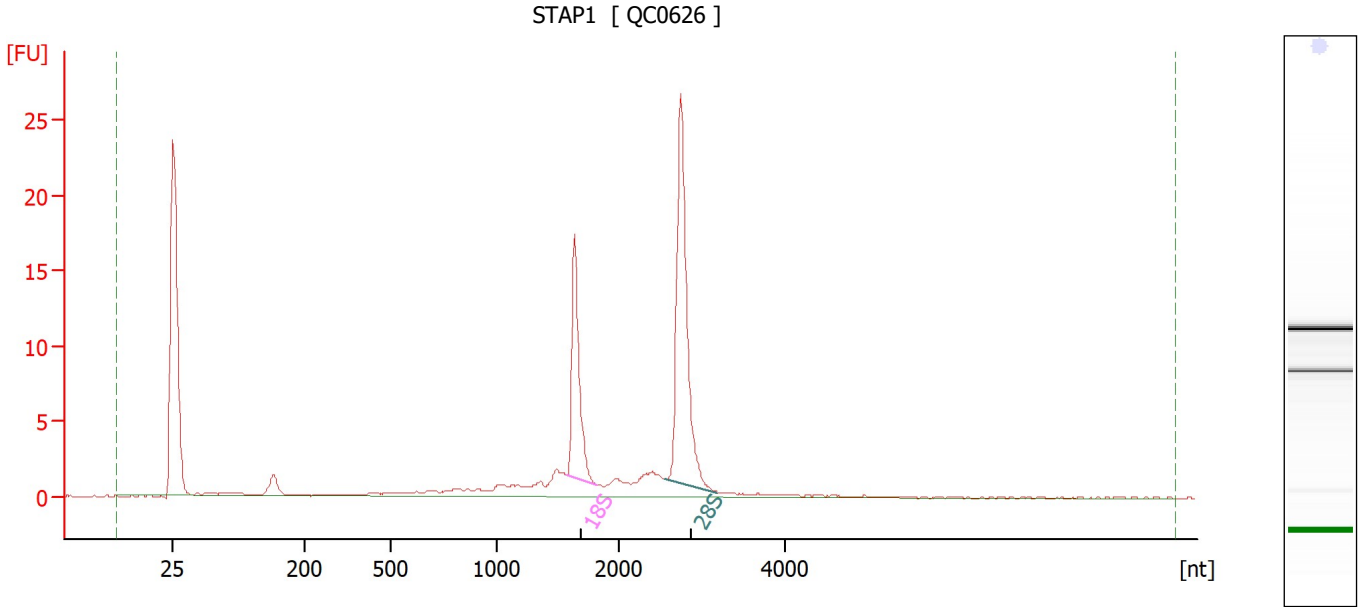
Fragment table for sample 1 : YL1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,859	121.6	22.6
28S	2,544	3,244	226.8	42.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : STAP1

RNA Area:	84.6	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:9

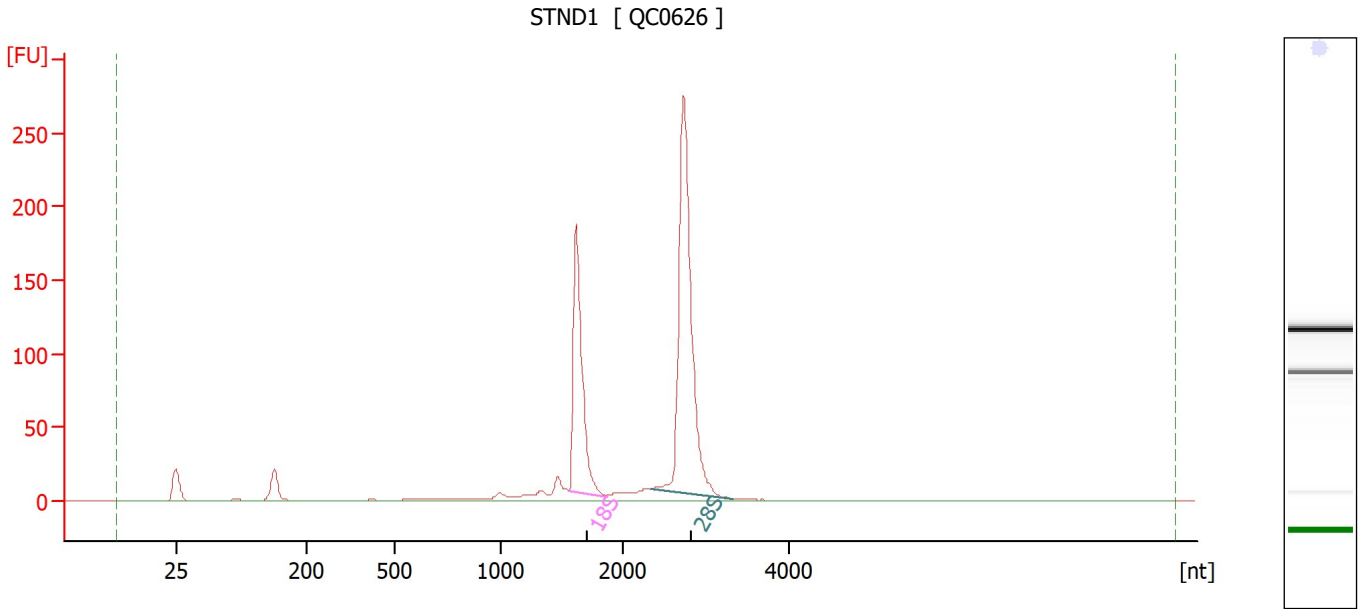
Fragment table for sample 2 : STAP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,816	15.9	18.7
28S	2,556	3,189	30.2	35.7

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : STND1

RNA Area: 829.4 RNA Integrity Number (RIN): 10 (B.02.10)
RNA Concentration: 213 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

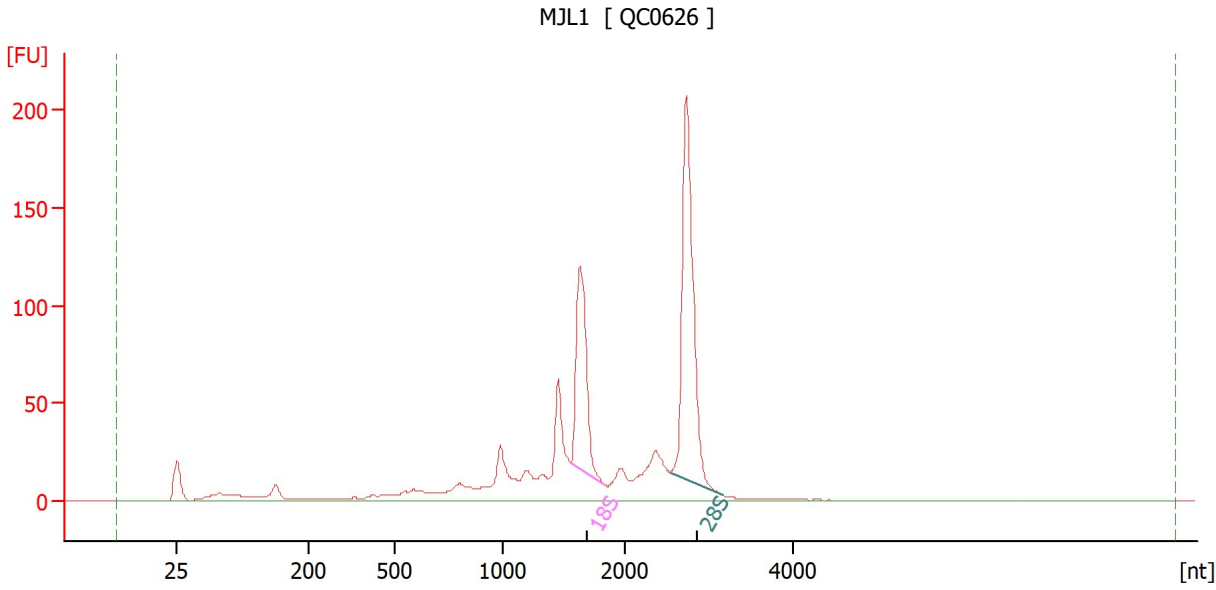
Fragment table for sample 3 : STND1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,862	211.0	25.4
28S	2,324	3,313	394.9	47.6

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : MJL1

RNA Area:	943.7	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	242 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.10

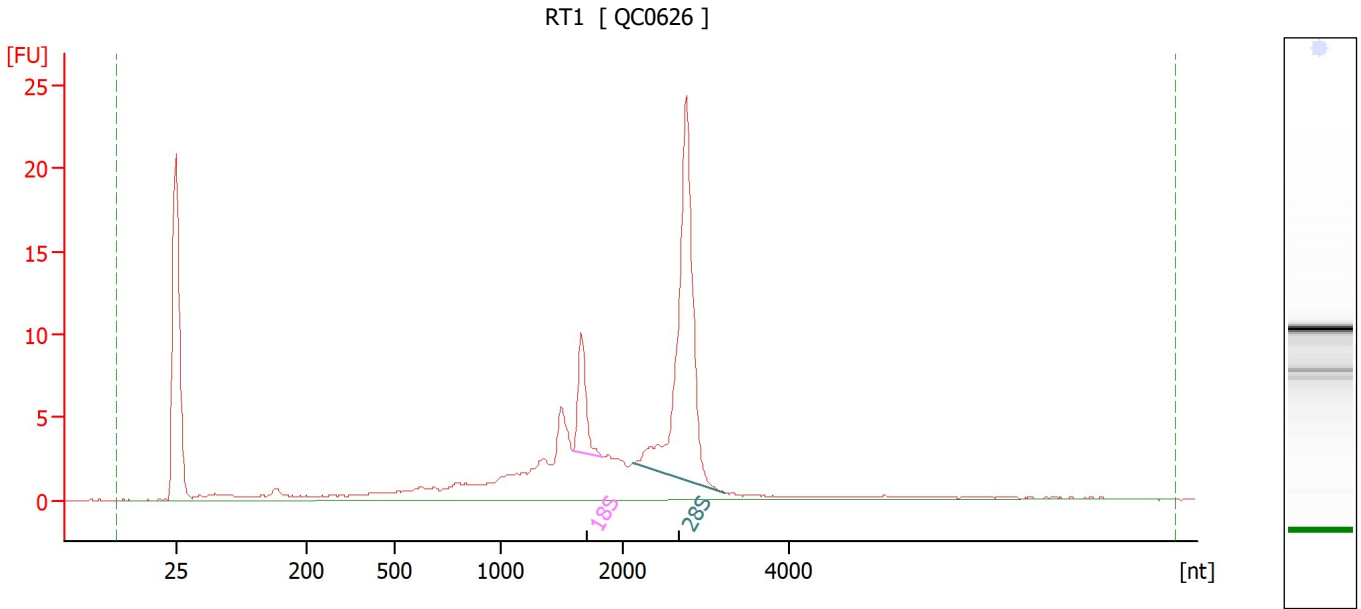
Fragment table for sample 4 : MJL1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,837	137.5	14.6
28S	2,542	3,170	251.0	26.6

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RT1

RNA Area:	126.0	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.7	Result Flagging Label:	RIN: 8.10

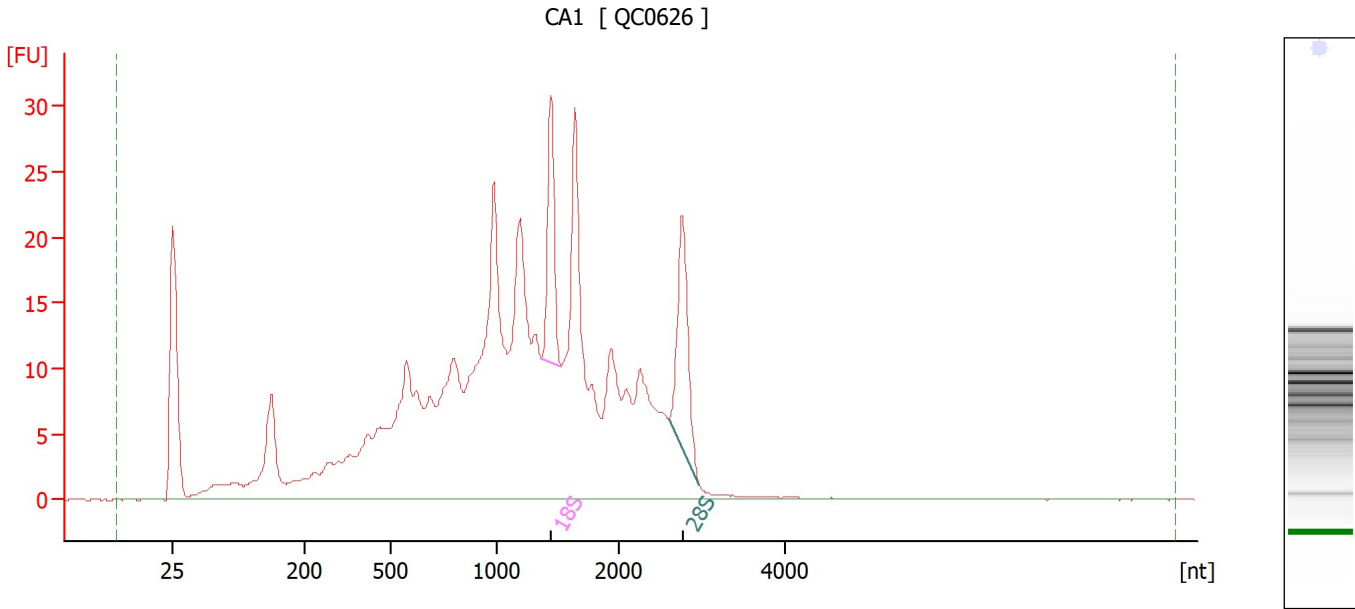
Fragment table for sample 5 : RT1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,827	7.1	5.7
28S	2,119	3,223	40.3	32.0

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CA1

RNA Area: 486.4 RNA Integrity Number (RIN): 4.6 (B.02.10)
RNA Concentration: 125 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 4.60

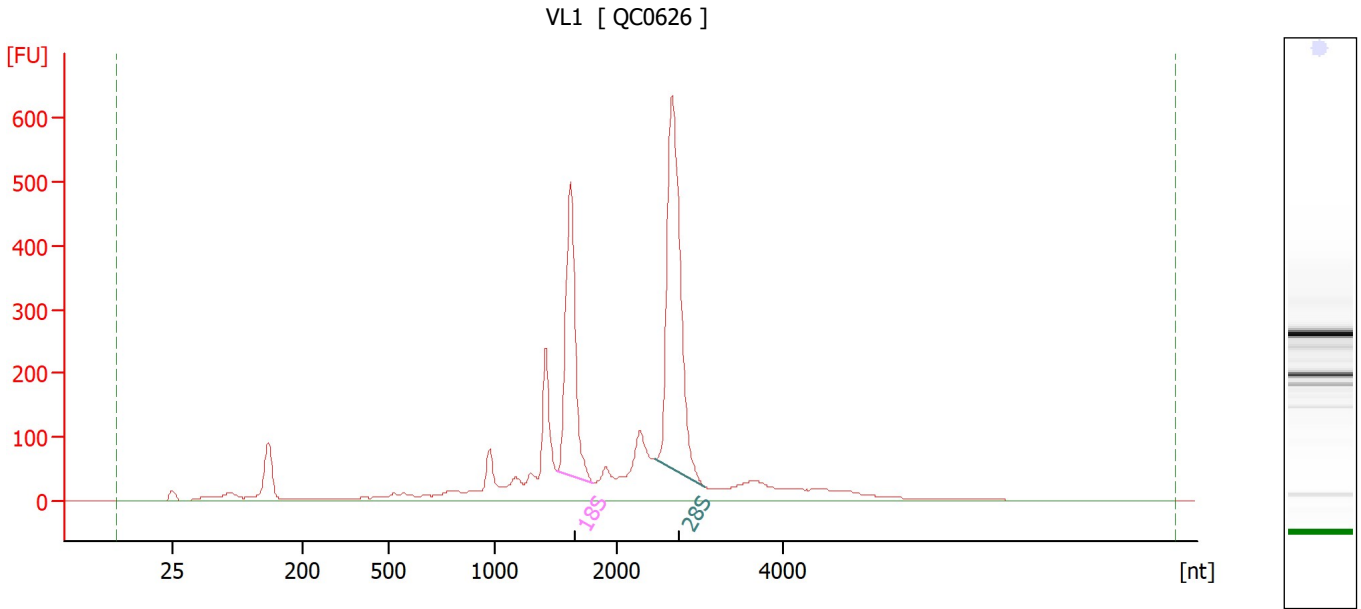
Fragment table for sample 6 : CA1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,359	1,526	16.8	3.5
28S	2,595	2,969	22.3	4.6

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : VL1

RNA Area:	3,578.0	RNA Integrity Number (RIN):	8.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	919 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.30

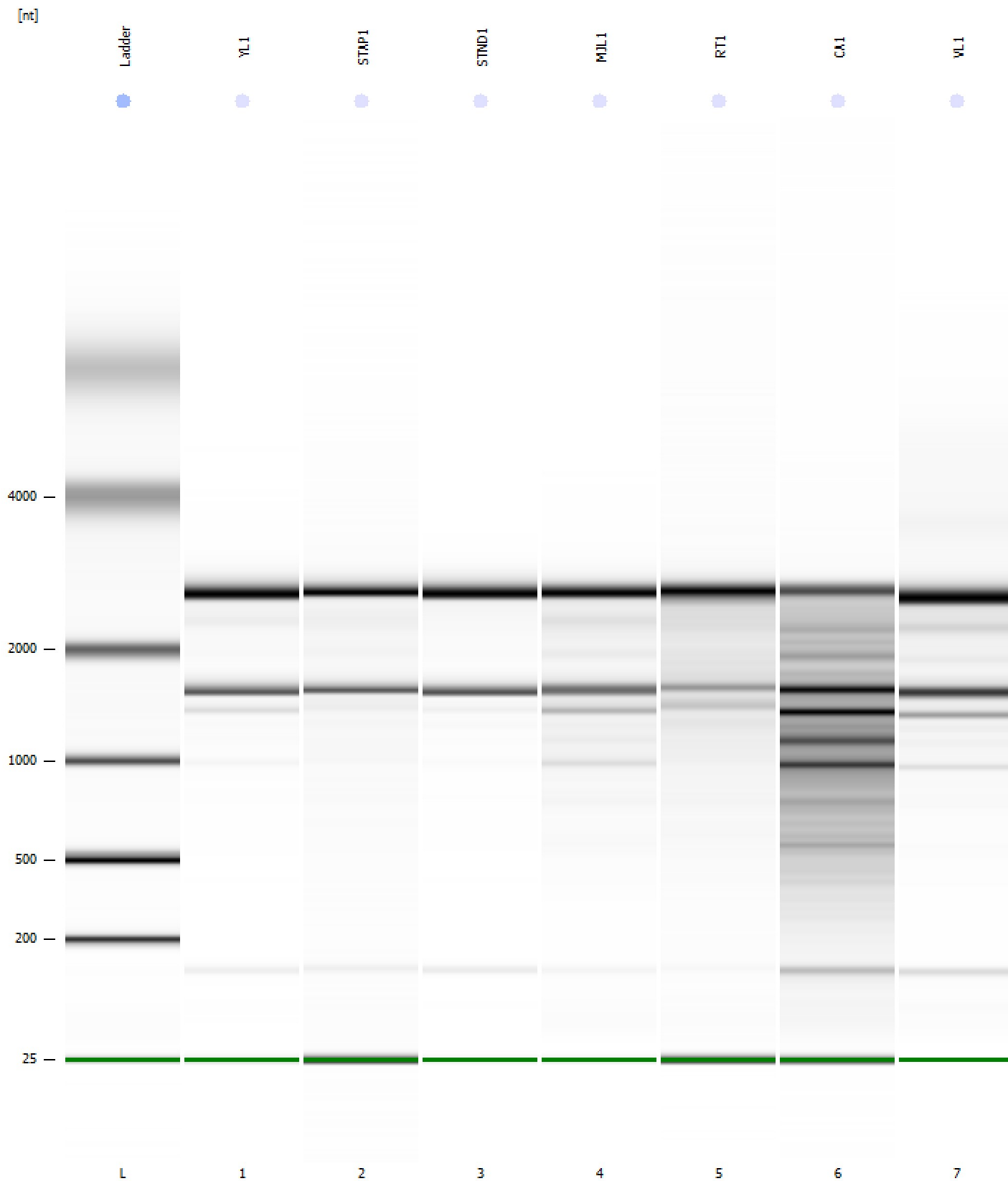
Fragment table for sample 7 : VL1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,807	585.5	16.4
28S	2,454	3,074	938.1	26.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
Modified: 8/5/2020 12:50:21 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-05\QC0626_.xad

Created: 8/5/2020 12:19:51 PM
 Modified: 8/5/2020 12:50:21 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		8/5/2020 12:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-05\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-08-05_001.xad)		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB