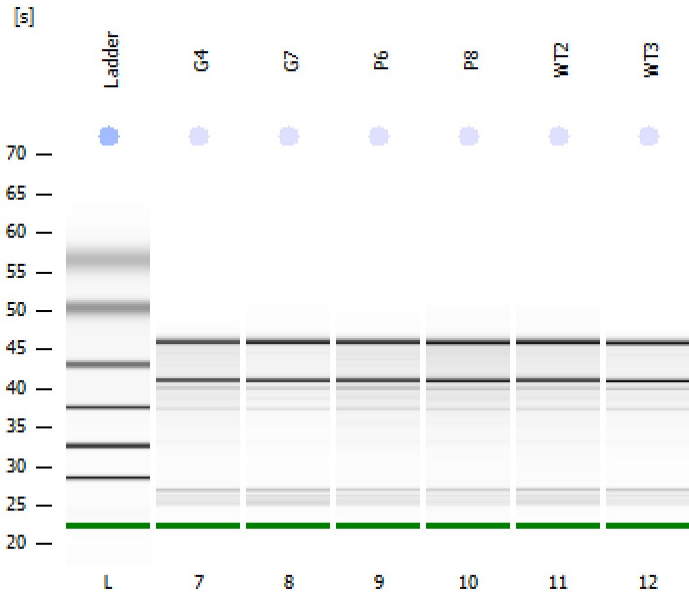


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 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)

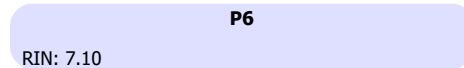
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
 Modified: 12/4/2019 4:21:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
G4		✓	RIN: 7.20	
G7		✓	RIN:8	
P6		✓	RIN: 7.10	
P8		✓	RIN: 7.30	
WT2		✓	RIN: 7.40	
WT3		✓	RIN: 7.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 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

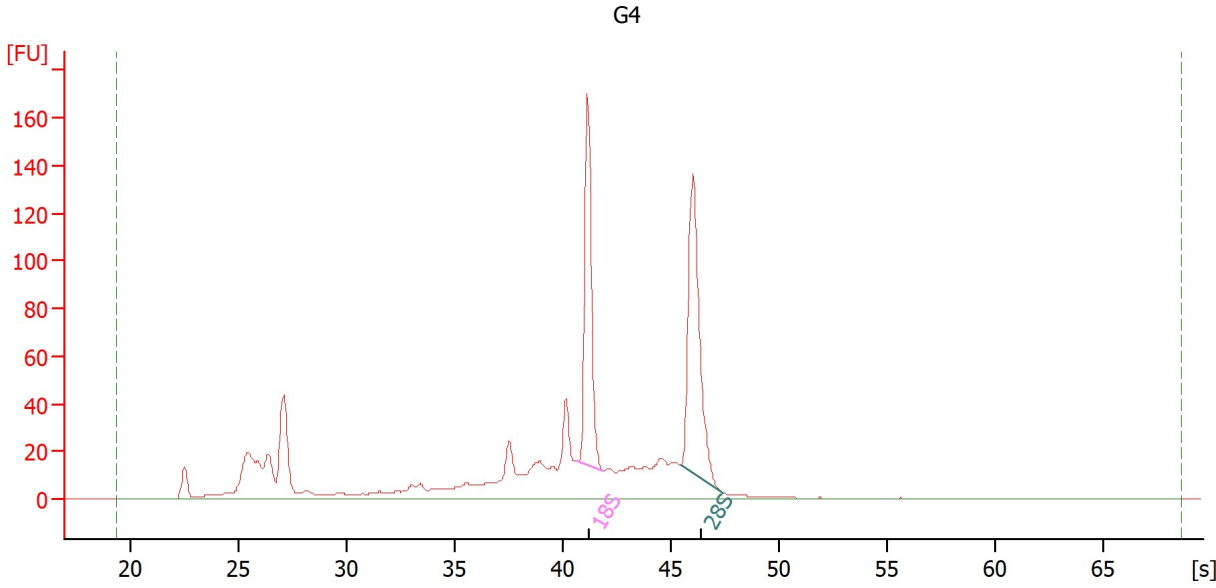
Ladder

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\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary



Overall Results for sample 7 : G4

RNA Area:	926.5	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	537 ng/μl		
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.20

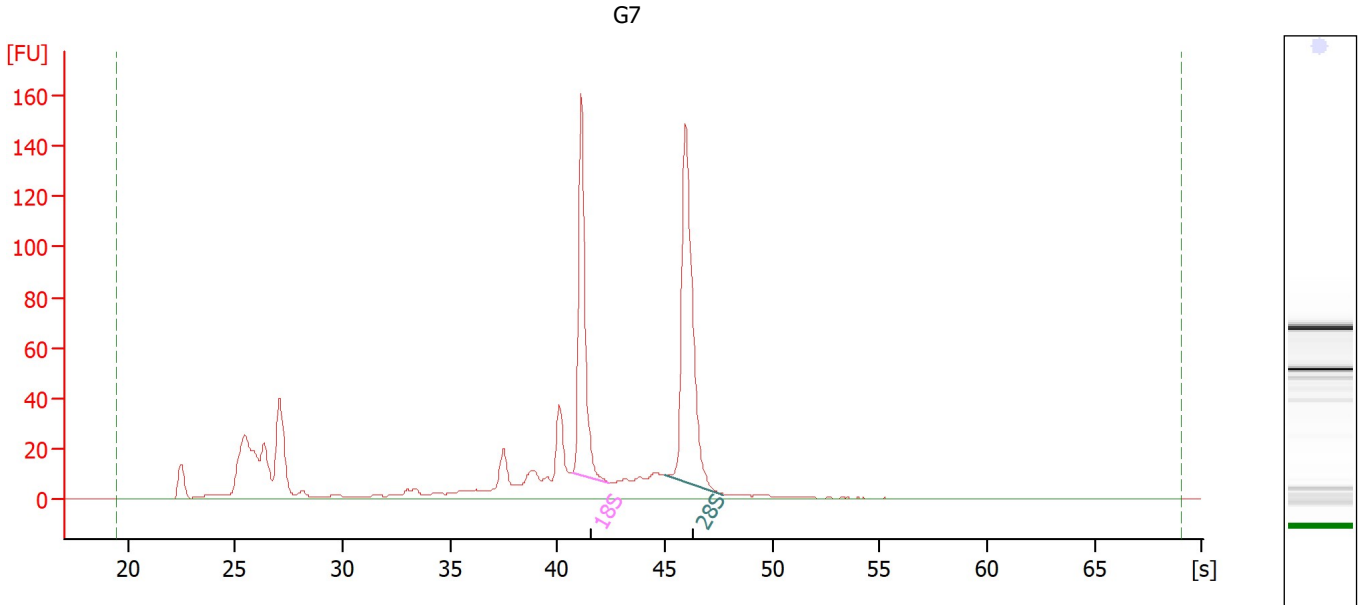
Fragment table for sample 7 : G4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.58	41.82	129.0	13.9
28S	45.40	47.38	159.7	17.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : G7

RNA Area:	812.3	RNA Integrity Number (RIN):	8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	471 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:8

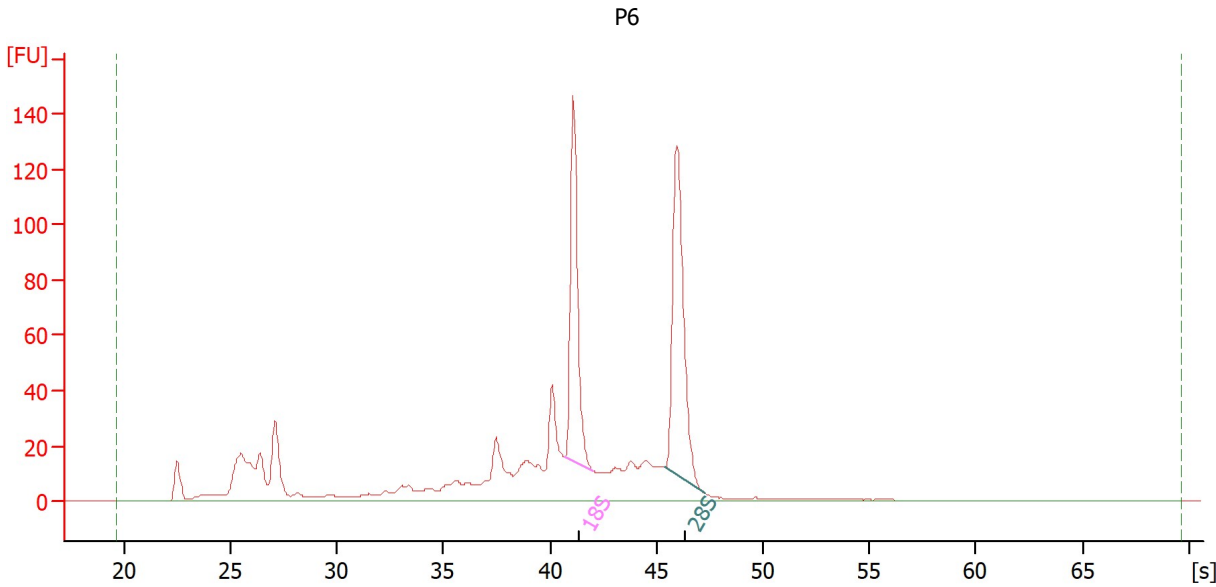
Fragment table for sample 8 : G7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.70	42.35	132.5	16.3
28S	45.00	47.70	180.7	22.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P6

RNA Area:	856.3	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	496 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.10

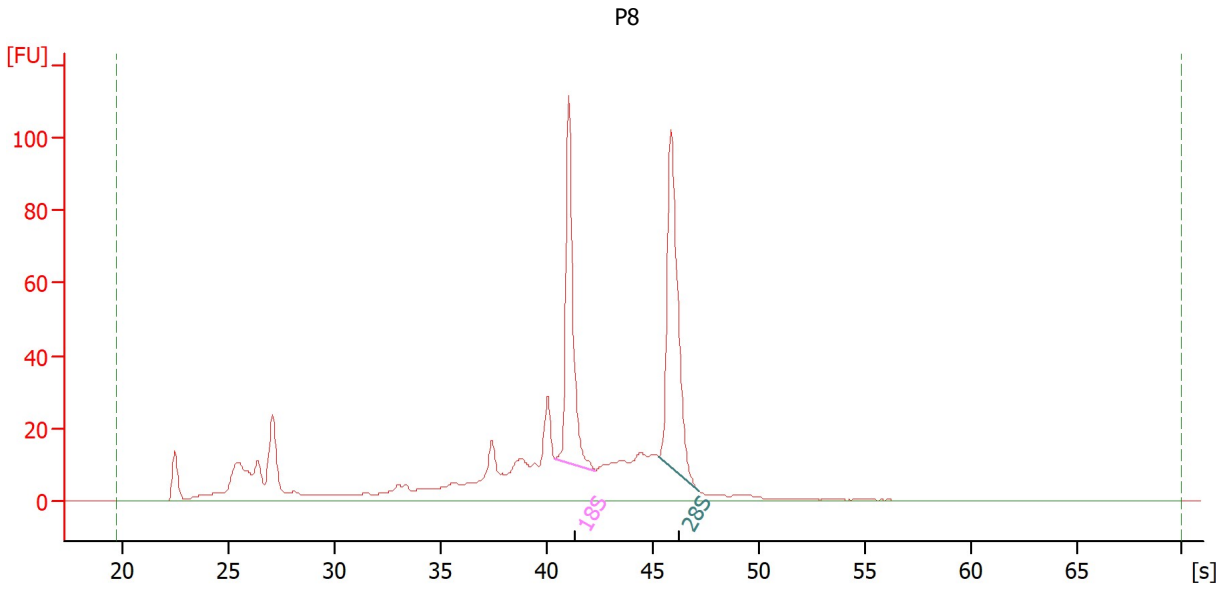
Fragment table for sample 9 : P6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.66	42.02	119.3	13.9
28S	45.35	47.27	152.1	17.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P8

RNA Area:	680.1	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	394 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.30

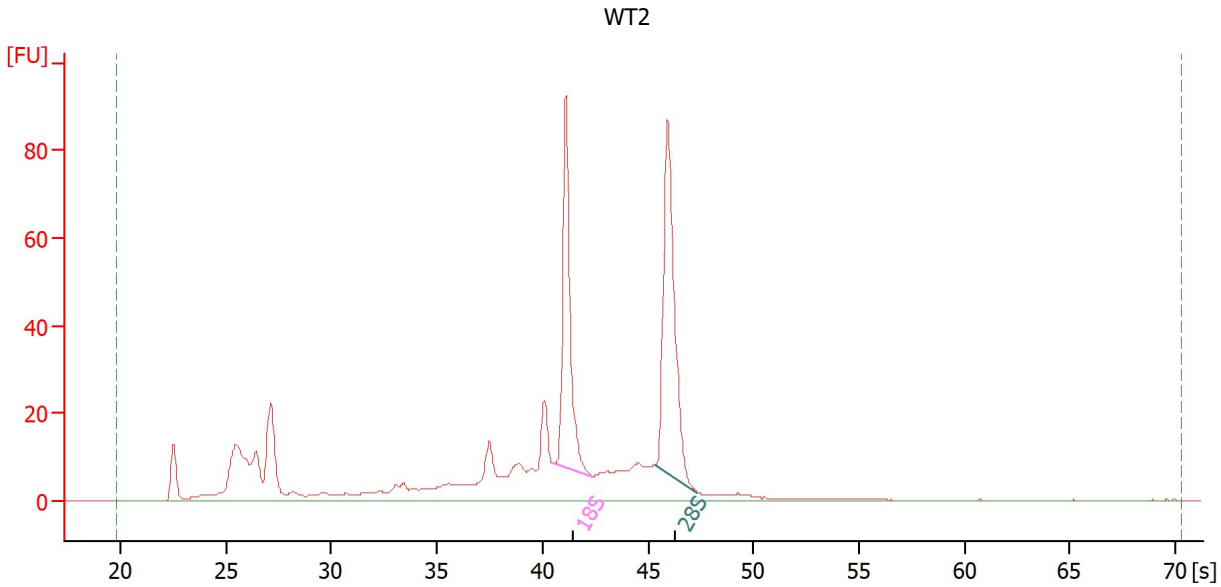
Fragment table for sample 10 : P8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.44	42.31	97.4	14.3
28S	45.35	47.18	117.3	17.3

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : WT2

RNA Area:	556.9	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	323 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.40

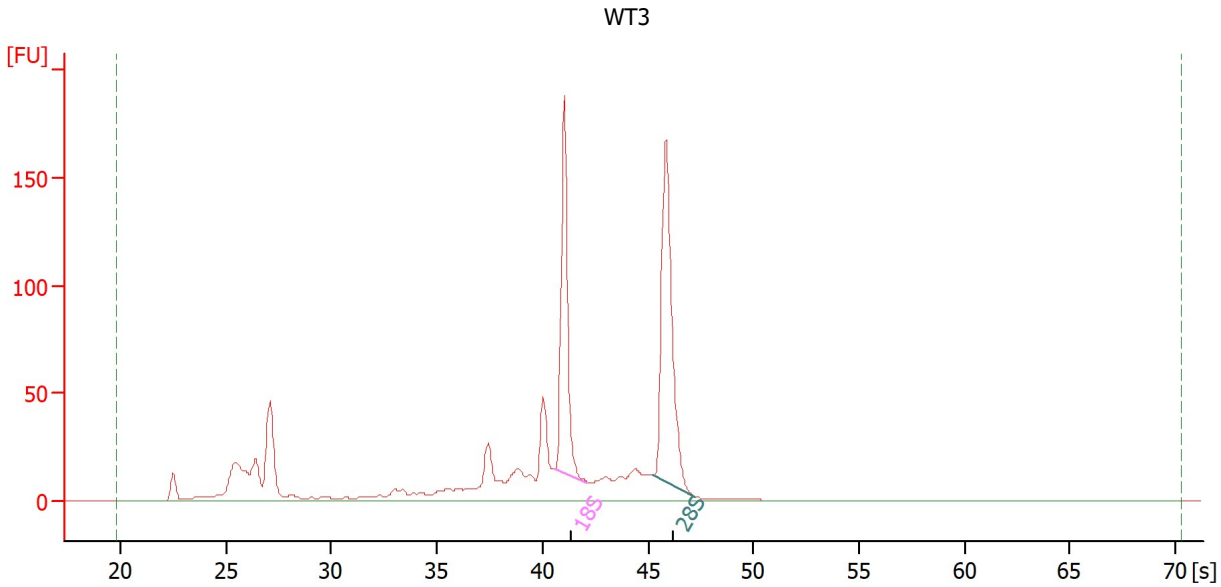
Fragment table for sample 11 : WT2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.52	42.35	83.0	14.9
28S	45.36	47.34	104.8	18.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : **WT3**

RNA Area:	926.7	RNA Integrity Number (RIN):	8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	537 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.50

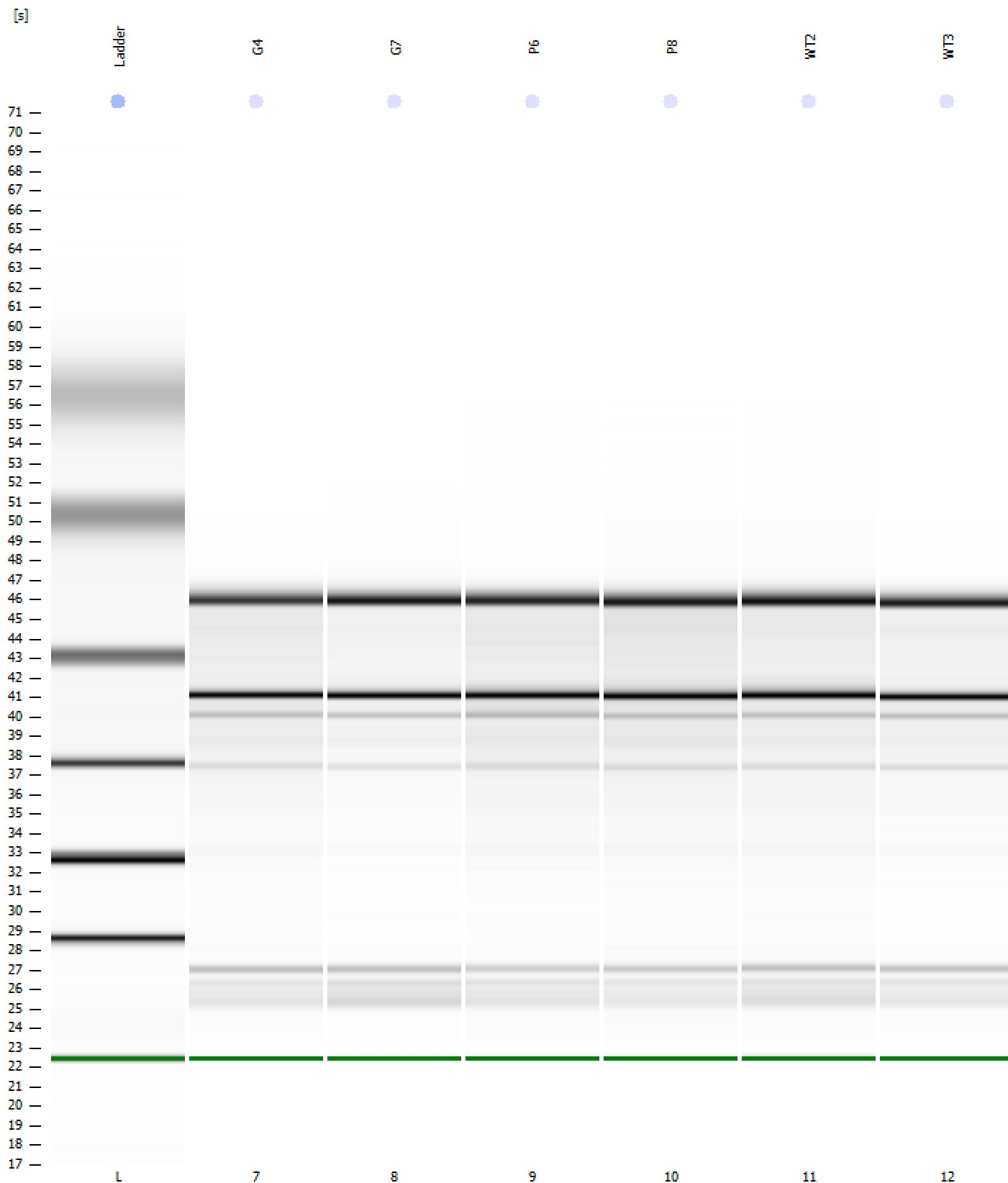
Fragment table for sample 12 : **WT3**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.57	42.15	145.3	15.7
28S	45.25	47.24	194.2	21.0

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Gel Image

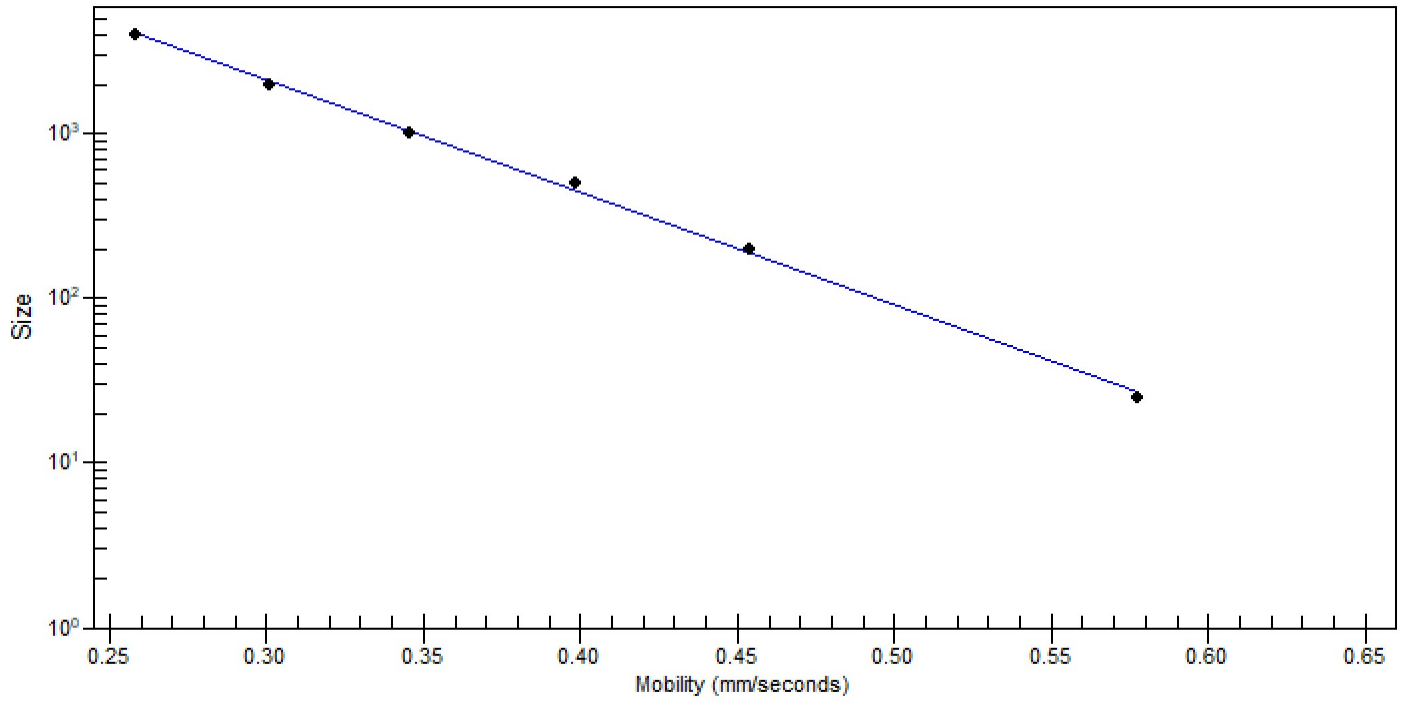


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
Modified: 12/4/2019 4:21:59 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-04\QC528.xad

Created: 12/4/2019 3:44:05 PM
 Modified: 12/4/2019 4:21:59 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		12/4/2019 4:07:07 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-04\Bioanalyze_r1_Eukaryote Total RNA Nano_2019-12-04_003.xad)		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2019 3:44:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB