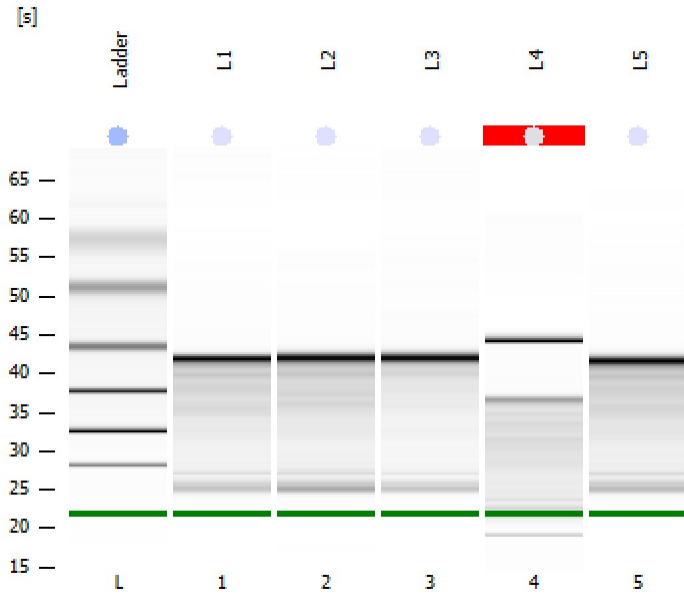


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Electrophoresis File Run Summary



Instrument Information:

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

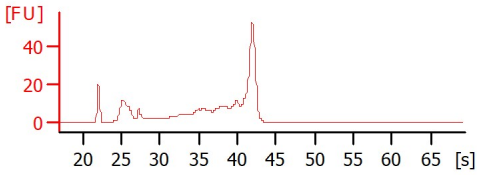
Assay Information:

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.

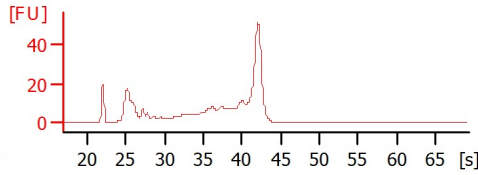
Chip Information:

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

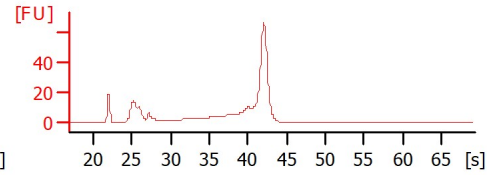
HiSeq2050 #1
RIN: 6.30



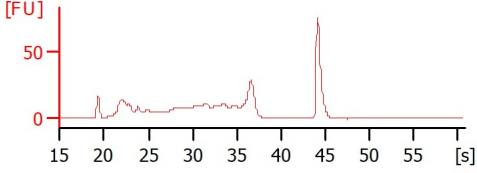
HiSeq2050 #2
RIN: 6.40



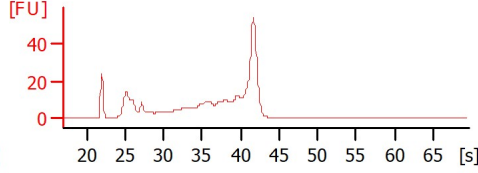
HiSeq2050 #3
RIN: 7



HiSeq2050 #4
RIN N/A



HiSeq2050 #5
RIN: 6.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:48:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
L1	HiSeq2050 #1	✓	RIN: 6.30	
L2	HiSeq2050 #2	✓	RIN: 6.40	
L3	HiSeq2050 #3	✓	RIN:7	
L4	HiSeq2050 #4	✓	RIN N/A	
L5	HiSeq2050 #5	✓	RIN: 6.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 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

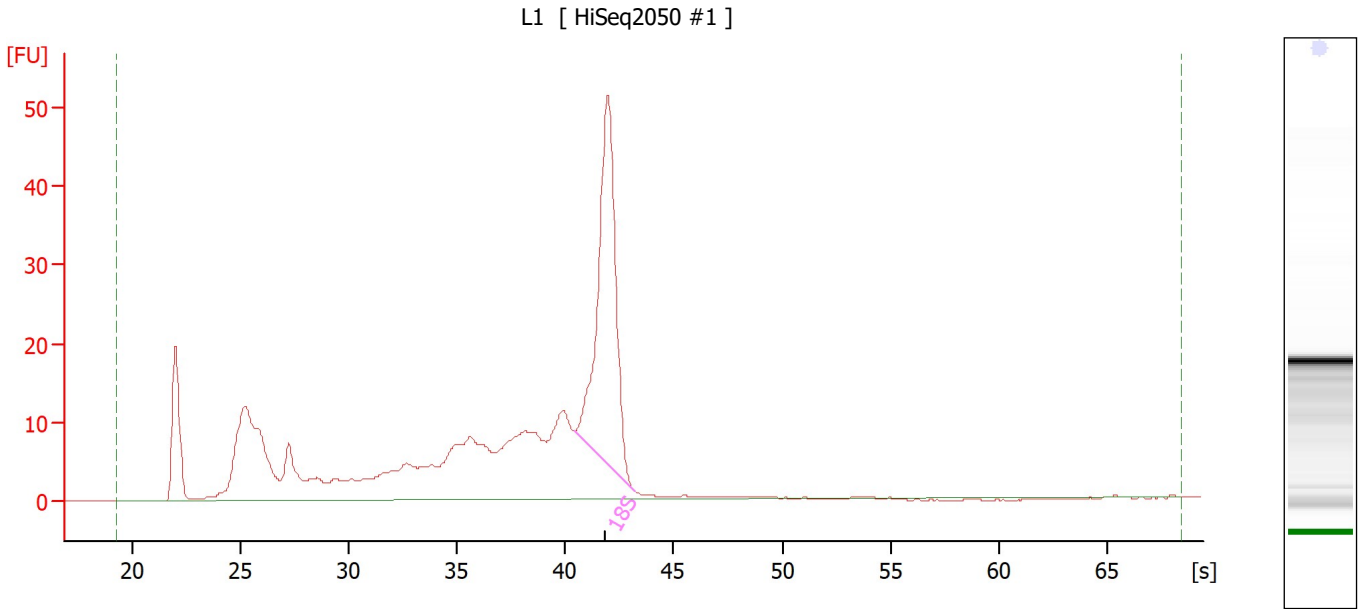
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Electropherogram Summary



Overall Results for sample 1 : L1

RNA Area:	420.6	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,269 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

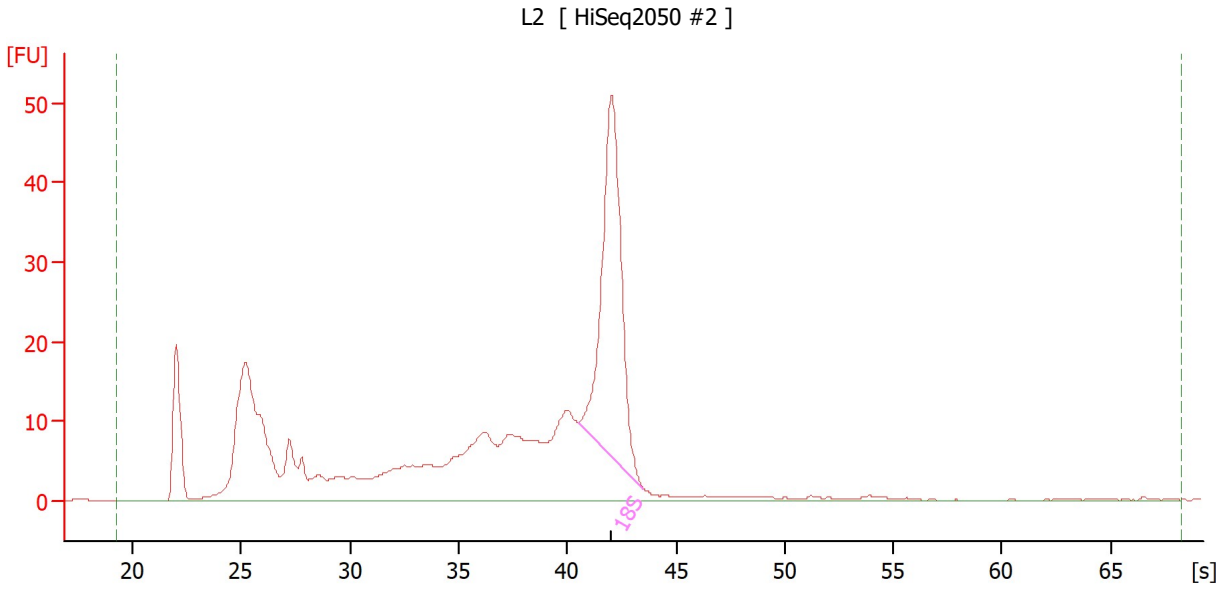
Fragment table for sample 1 : L1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.43	43.16	104.2	24.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:48:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : L2

RNA Area:	480.7	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,593 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

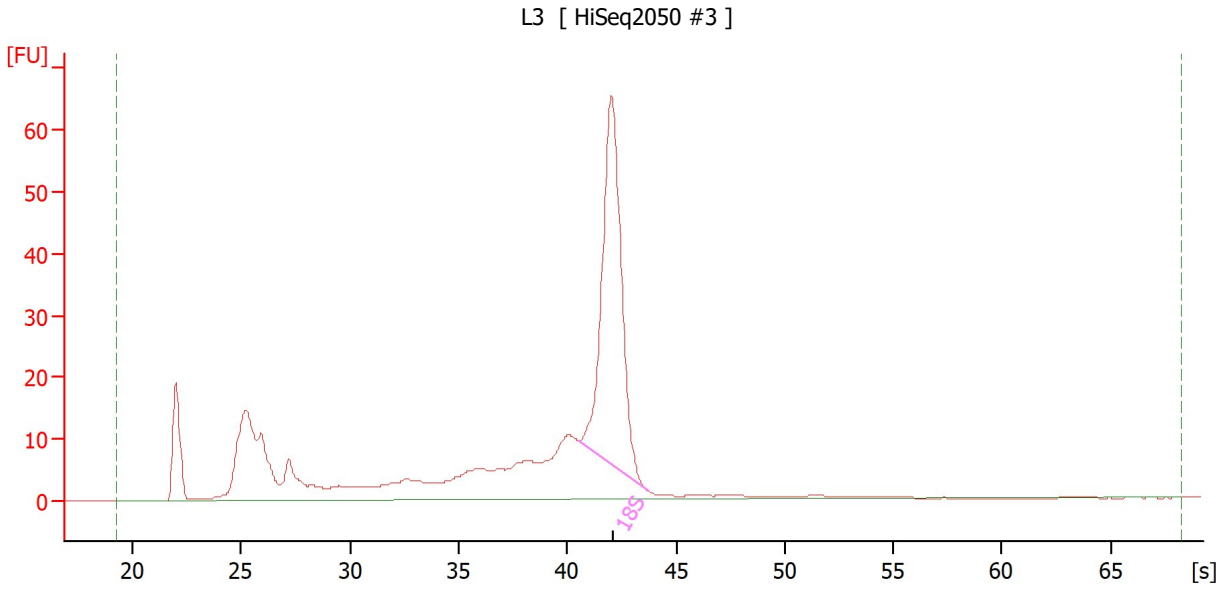
Fragment table for sample 2 : L2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.54	43.51	110.1	22.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : **L3**

RNA Area:	443.2	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,391 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:7

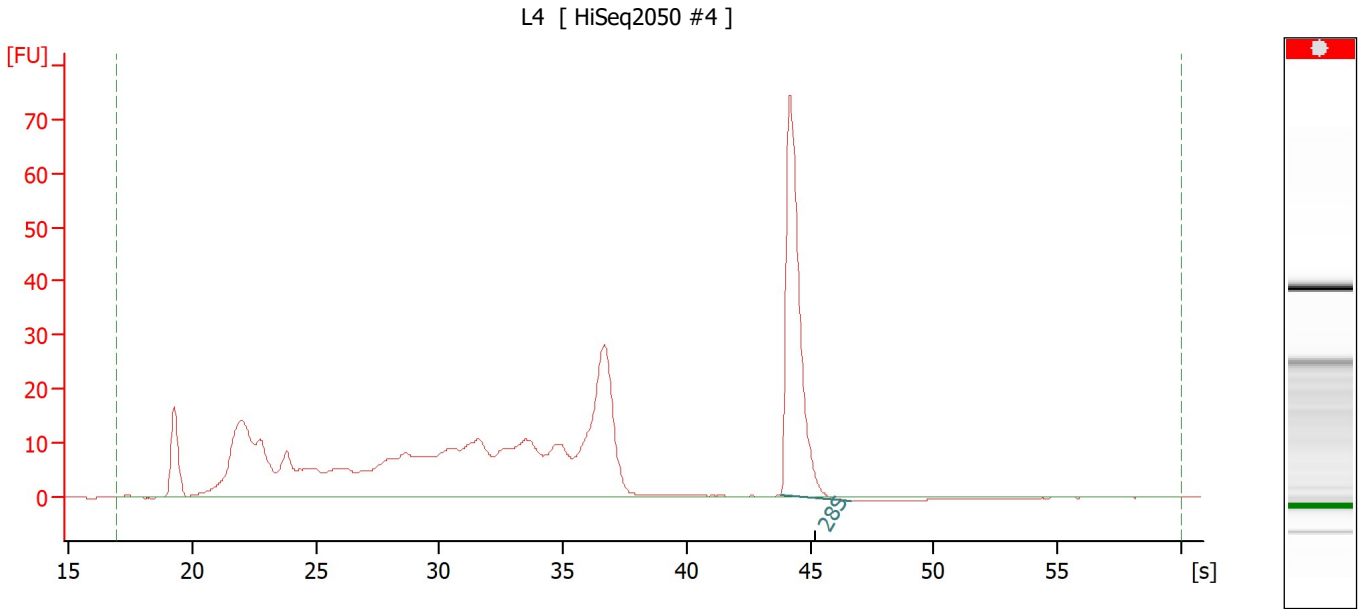
Fragment table for sample 3 : **L3**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.54	43.70	144.1	32.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : L4

RNA Area:	547.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2,955 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

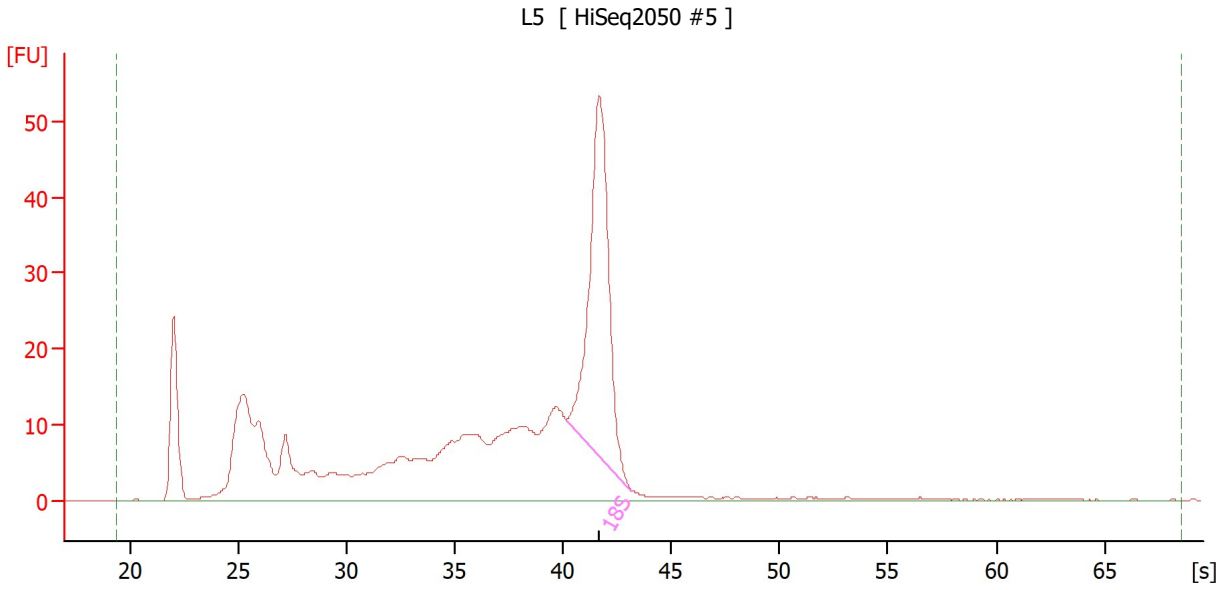
Fragment table for sample 4 : L4

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	43.83	46.65	104.6	19.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:48:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : L5

RNA Area:	506.2	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,731 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

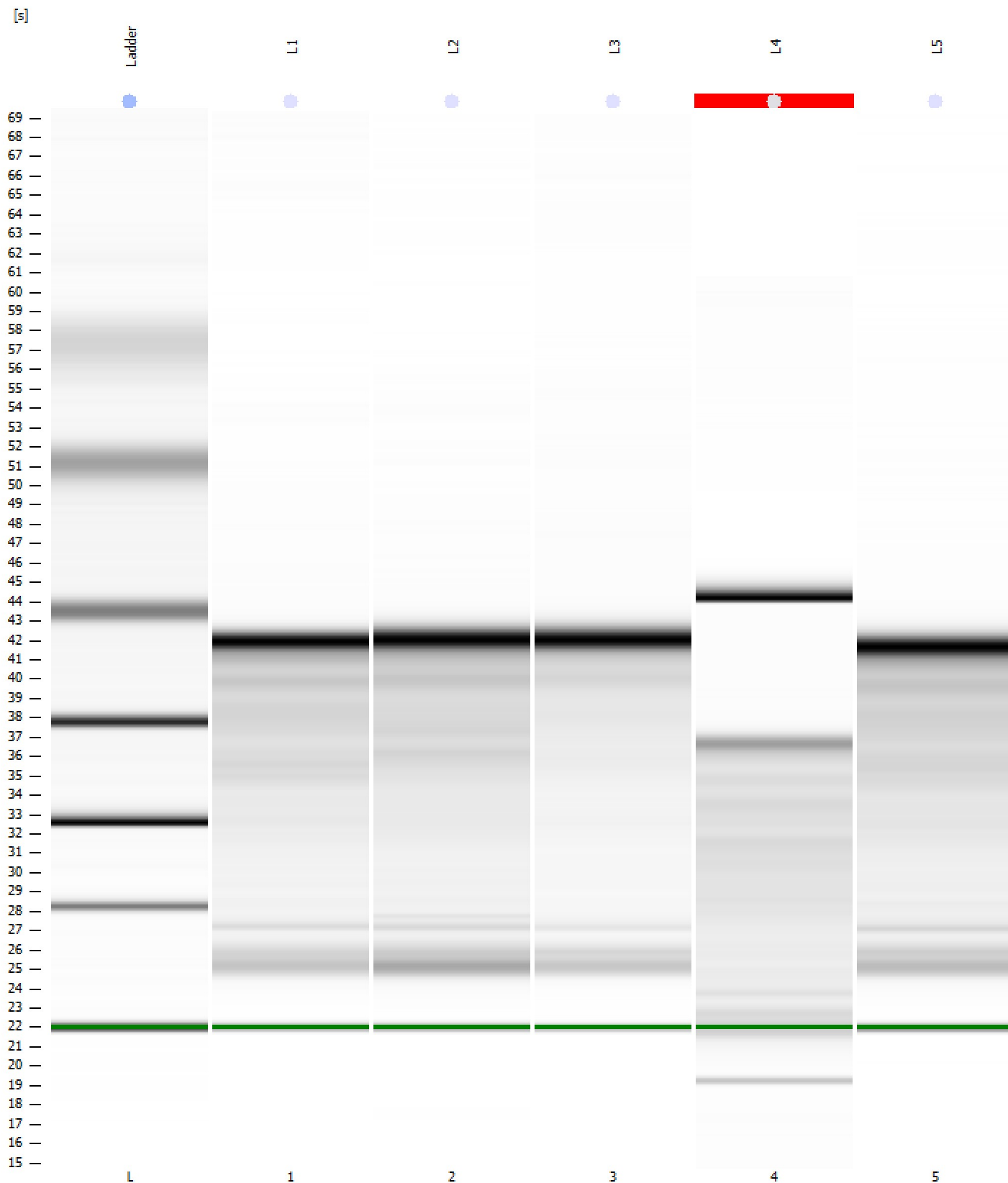
Fragment table for sample 5 : L5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.13	43.16	115.8	22.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Gel Image

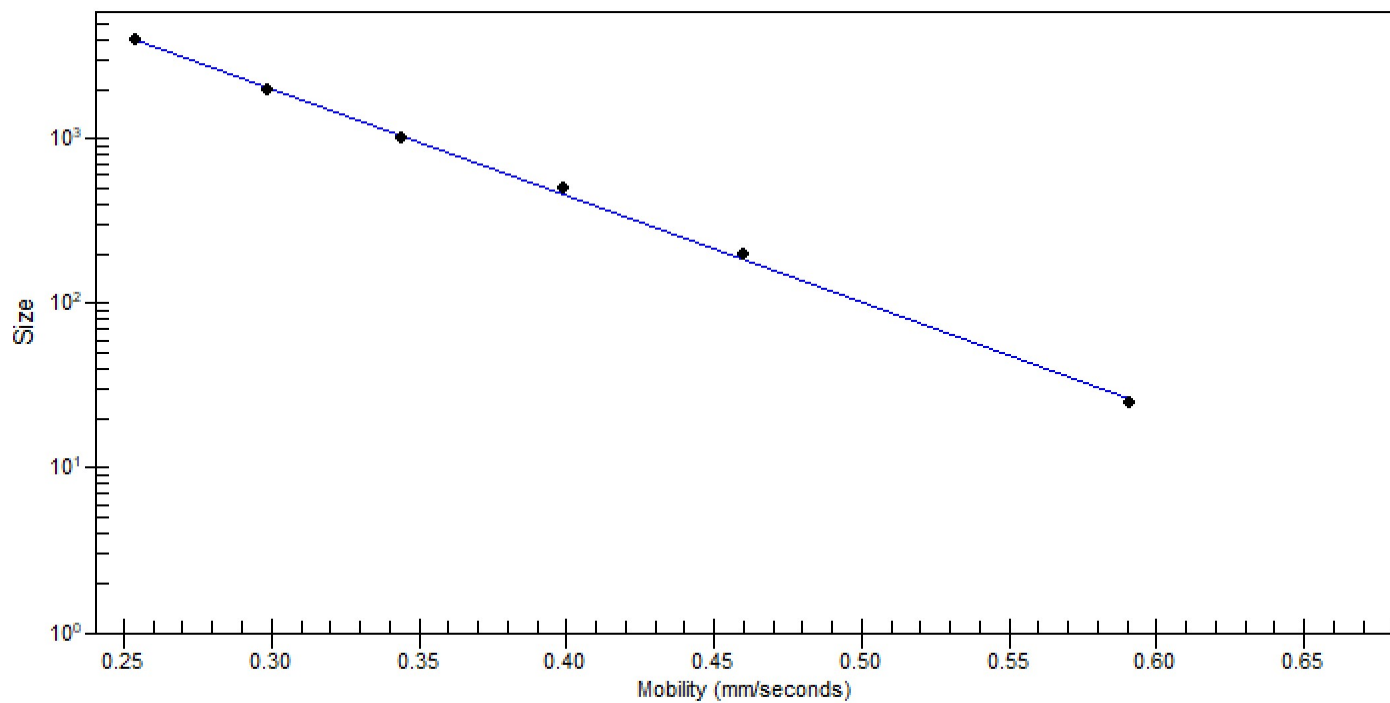


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:48:58 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\HiSeq2050_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:48:58 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		12/20/2019 12:41:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-20\Bioanalyze_r1_Eukaryote Total RNA Pico_2019-12-20_001.xad)		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB