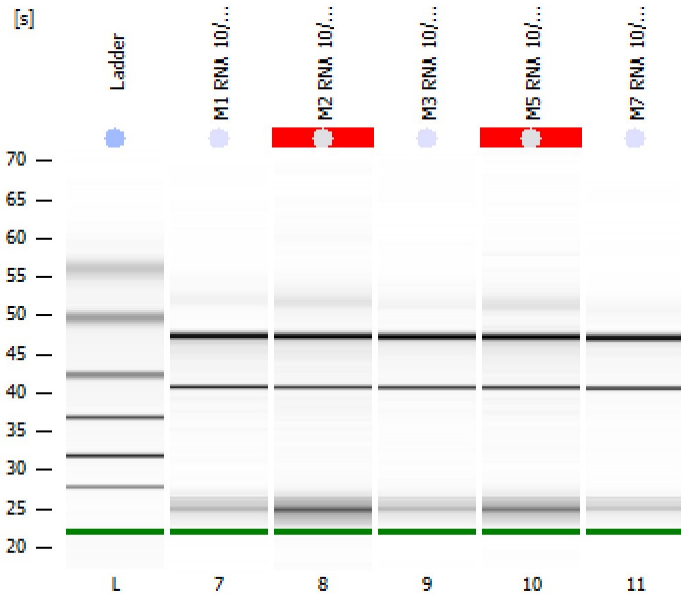


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:55:25 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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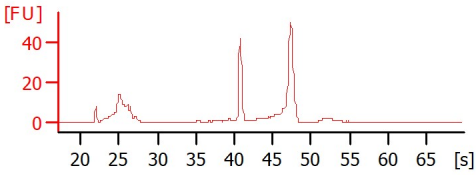
Chip Information:

Chip Lot #:

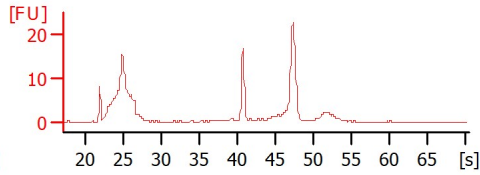
Reagent Kit Lot #:

Chip Comments:

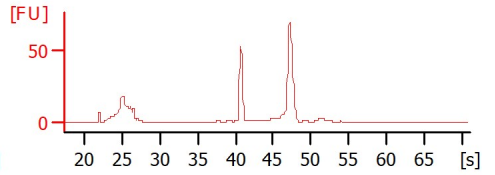
M1 RNA 10/2/19
HiSeq2024 #1
RIN: 9.50



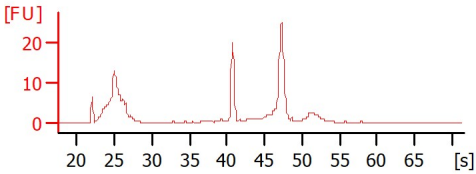
M2 RNA 10/2/19
HiSeq2024 #2
RIN: N/A



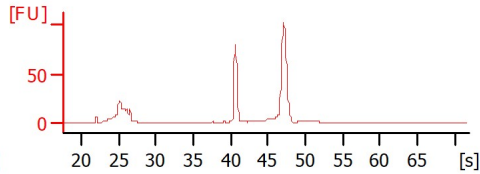
M3 RNA 10/2/19
HiSeq2024#3
RIN: 9.40



M5 RNA 10/2/19
HiSeq2024#5
RIN: N/A



M7 RNA 10/2/19
HiSeq2024#7
RIN: 9.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
M1 RNA 10/2/19	HiSeq2024 #1	✓	RIN: 9.50	
M2 RNA 10/2/19	HiSeq2024 #2	✓	RIN N/A	
M3 RNA 10/2/19	HiSeq2024#3	✓	RIN: 9.40	
M5 RNA 10/2/19	HiSeq2024#5	✓	RIN N/A	
M7 RNA 10/2/19	HiSeq2024#7	✓	RIN: 9.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:55:25 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

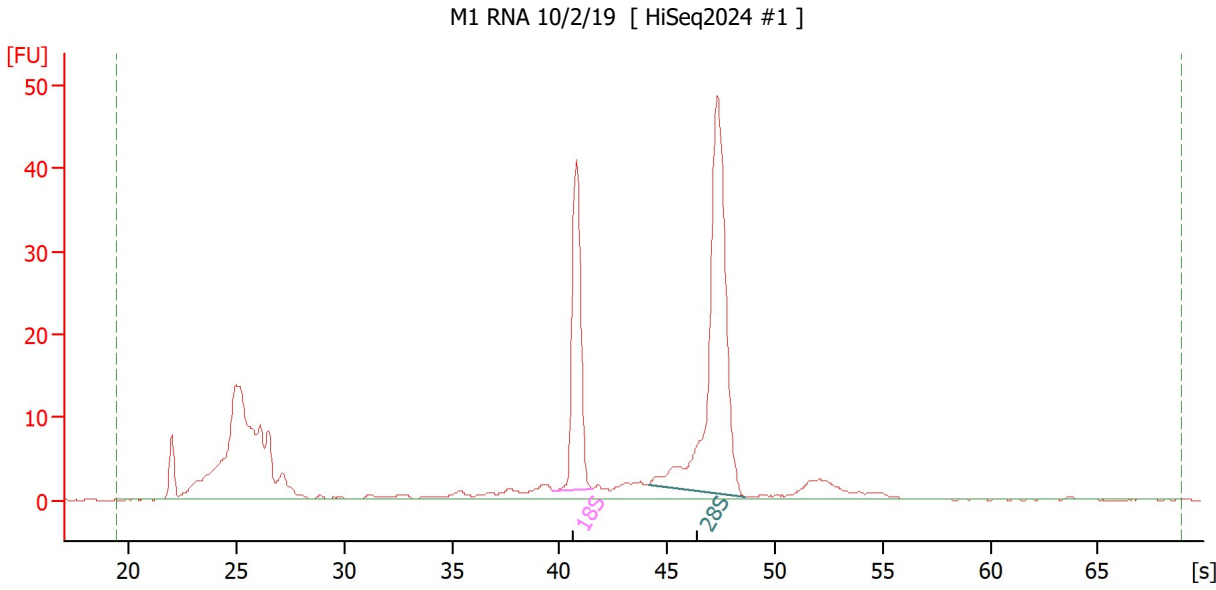
Ladder

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\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 PM

Electropherogram Summary



Overall Results for sample 7 : M1 RNA 10/2/19

RNA Area:	301.8	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	1,681 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.50

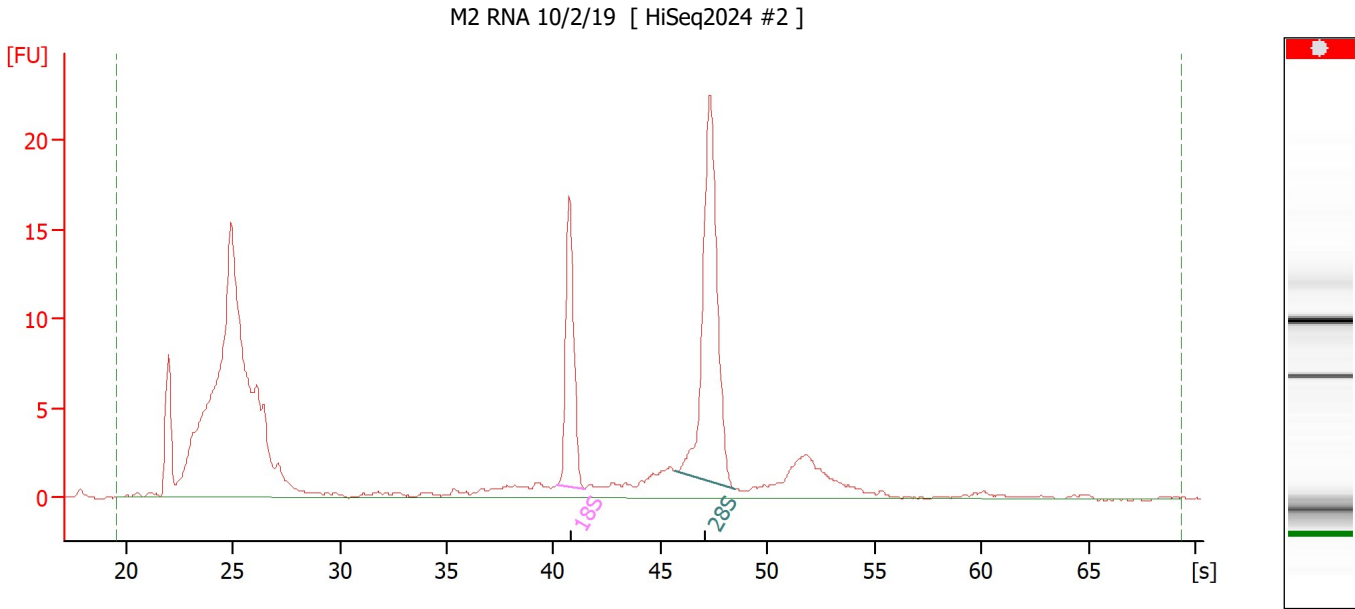
Fragment table for sample 7 : M1 RNA 10/2/19

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.71	41.51	44.5	14.7
28S	44.10	48.59	94.1	31.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : M2 RNA 10/2/19

RNA Area:	207.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1,154 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN N/A

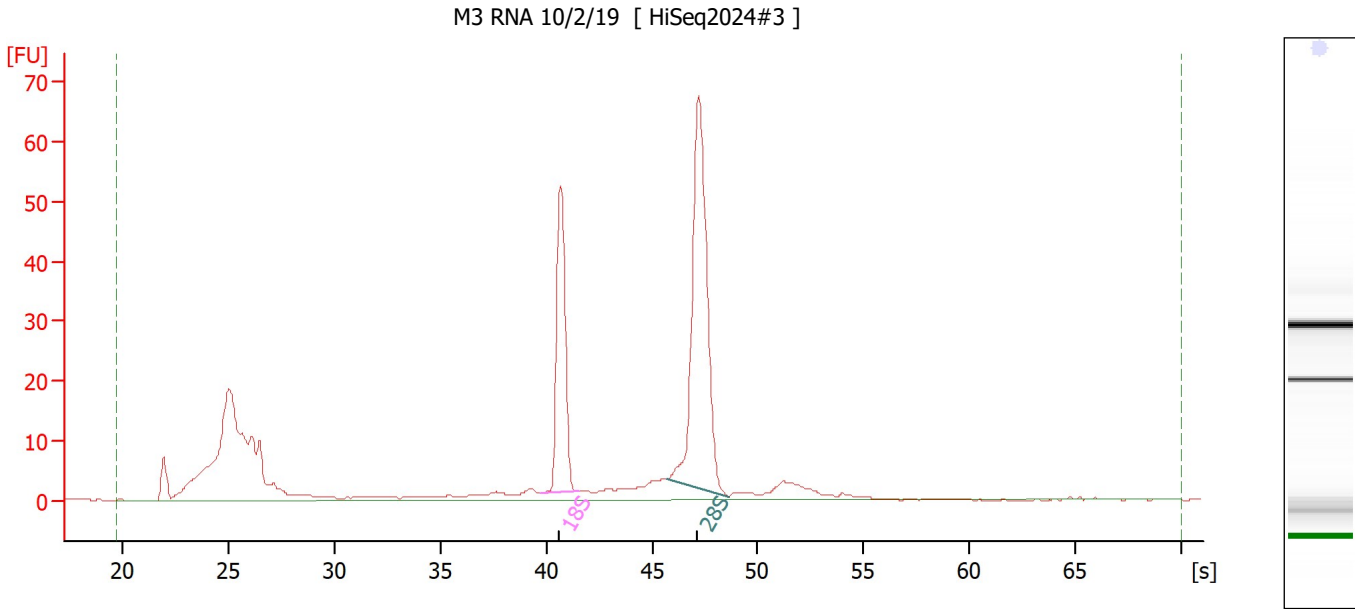
Fragment table for sample 8 : M2 RNA 10/2/19

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.18	41.44	17.7	8.5
28S	45.66	48.47	35.6	17.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : M3 RNA 10/2/19

RNA Area:	390.2	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	2,173 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.40

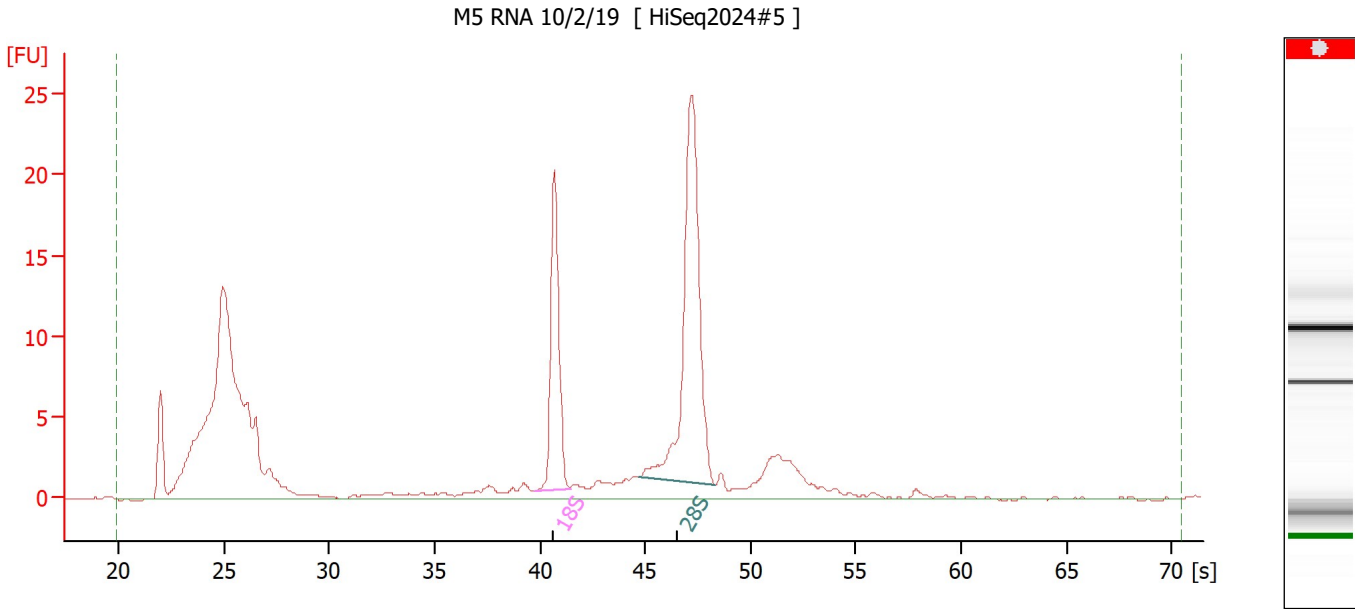
Fragment table for sample 9 : M3 RNA 10/2/19

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.74	41.52	58.3	14.9
28S	45.67	48.61	111.1	28.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:55:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : M5 RNA 10/2/19

RNA Area: 211.3 RNA Integrity Number (RIN): N/A (B.02.10)
RNA Concentration: 1,177 pg/ μ l Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN N/A

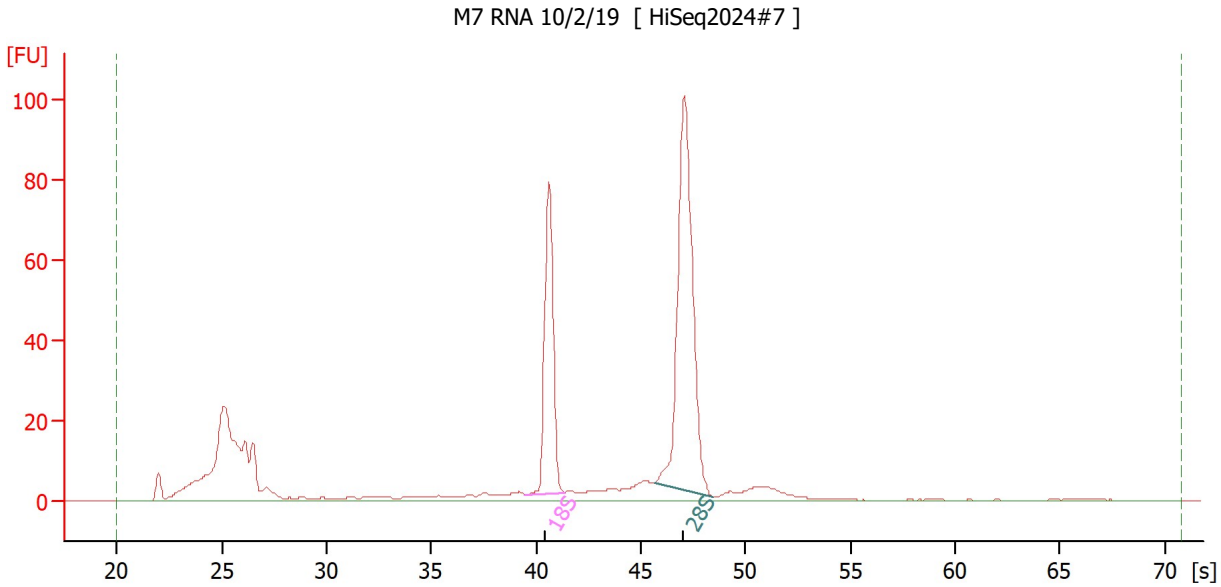
Fragment table for sample 10 : M5 RNA 10/2/19

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.71	41.45	22.0	10.4
28S	44.71	48.34	43.7	20.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : M7 RNA 10/2/19

RNA Area:	536.4	RNA Integrity Number (RIN):	9.7 (B.02.10)
RNA Concentration:	2,987 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.70

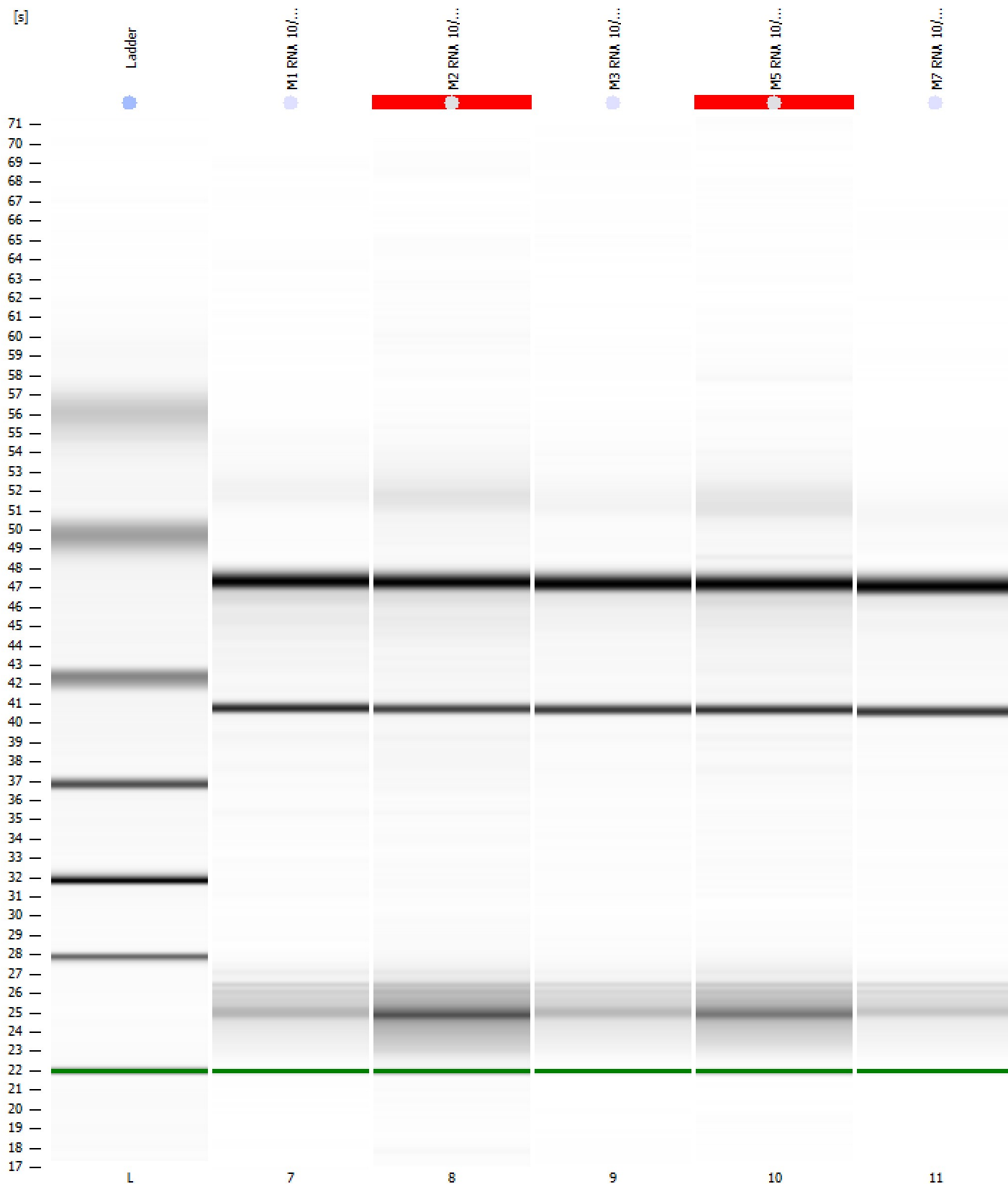
Fragment table for sample 11 : M7 RNA 10/2/19

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.49	41.33	91.2	17.0
28S	45.64	48.41	170.8	31.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:55:25 PM

Gel Image

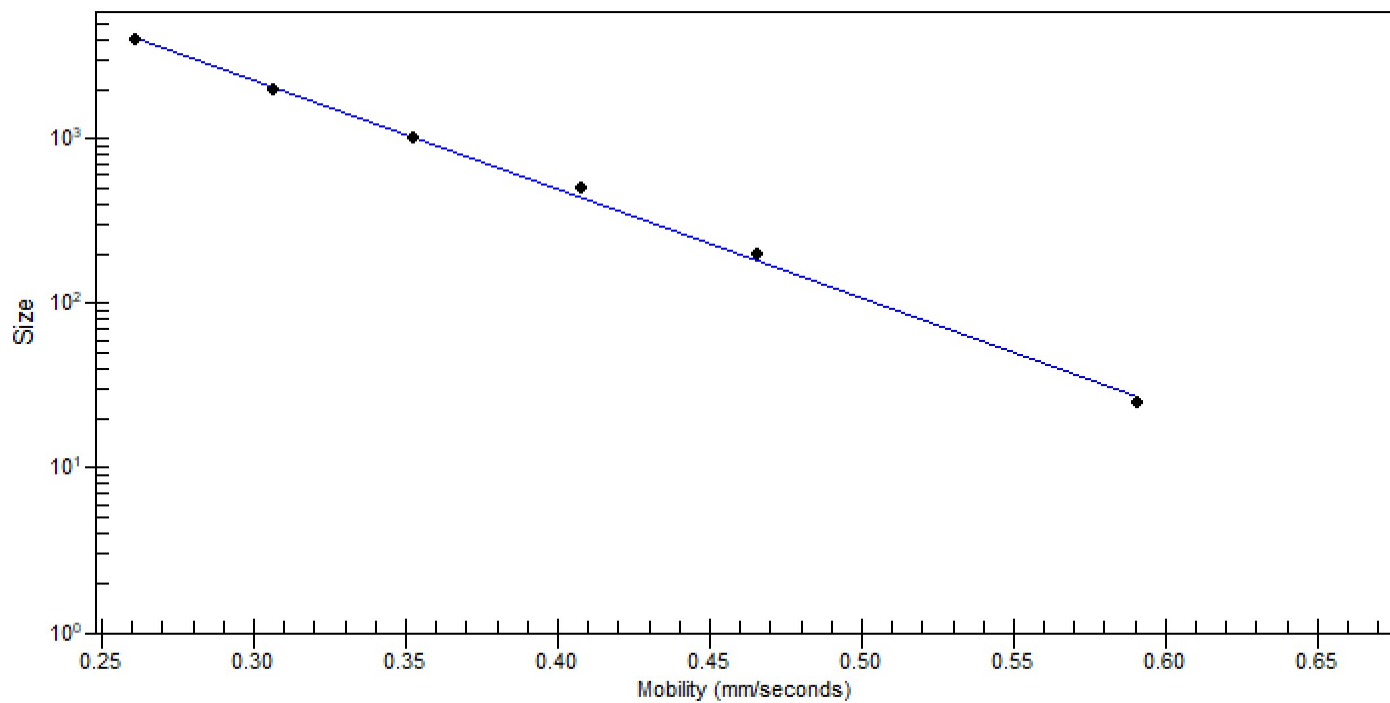


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:55:25 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2024_RNAQC1.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:55:25 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		12/13/2019 2:33:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-13\Bioanalyze_r_Eukaryote Total RNA Pico_2019-12-13_002.xad)		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB