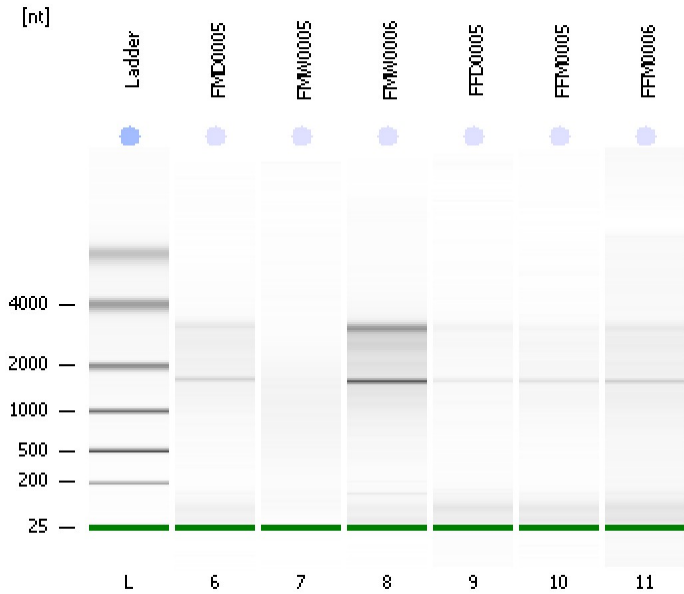


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 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\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)

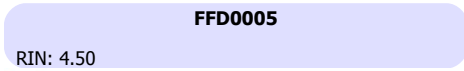
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
 Modified: 9/27/2019 4:57:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
FMD0005		✓	RIN: 5.40	
FMW0005		✓	RIN: 3.40	
FMW0006		✓	RIN: 7.40	
FFD0005		✓	RIN: 4.50	
FFM0005		✓	RIN: 4.70	
FFM0006		✓	RIN: 5.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 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

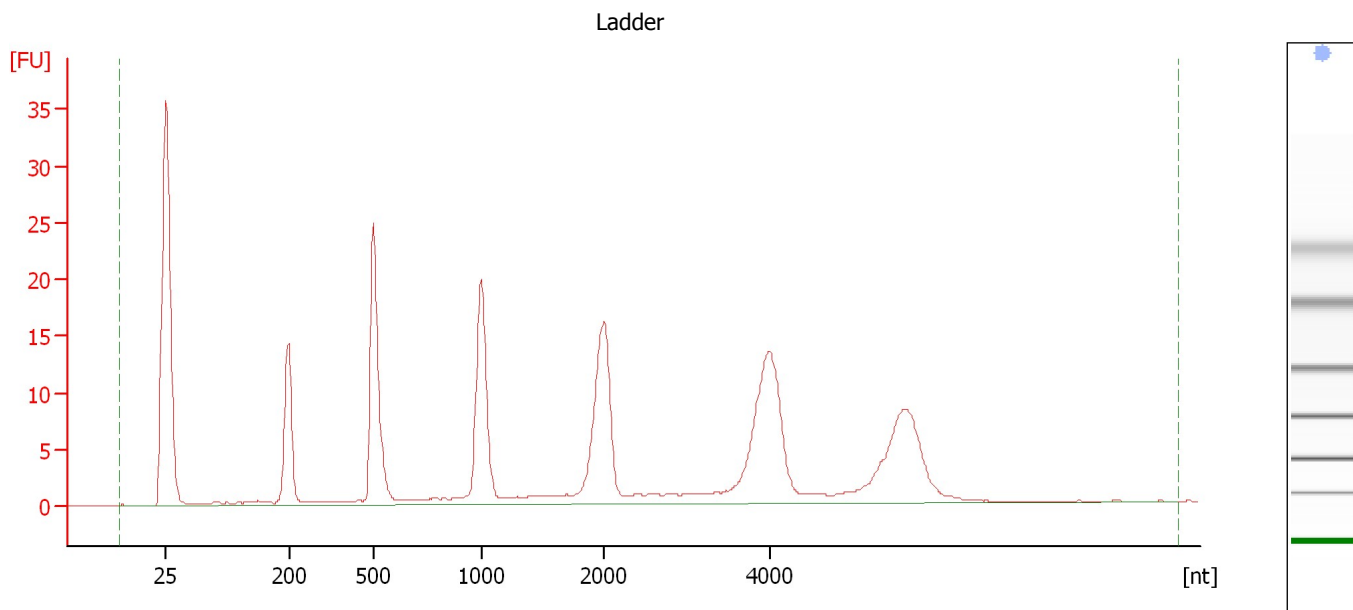
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary



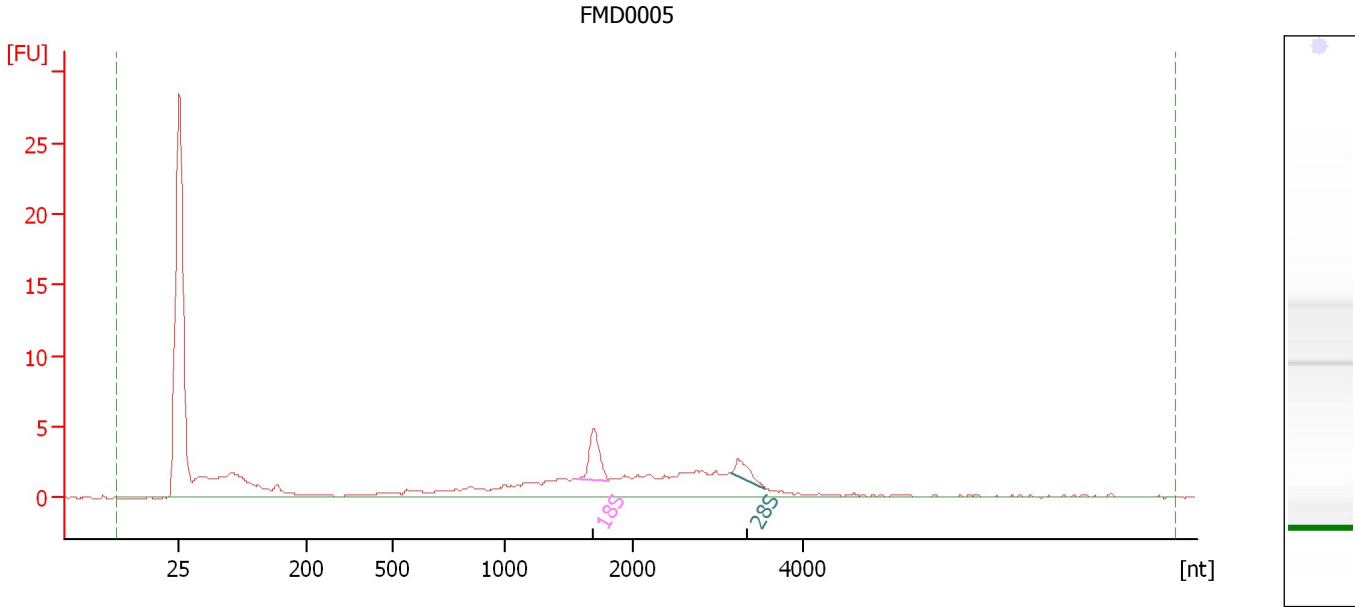
Overall Results for Ladder

RNA Area:	219.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : FMD0005

RNA Area: 78.2 RNA Integrity Number (RIN): 5.4 (B.02.08)
RNA Concentration: 356 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 5.40

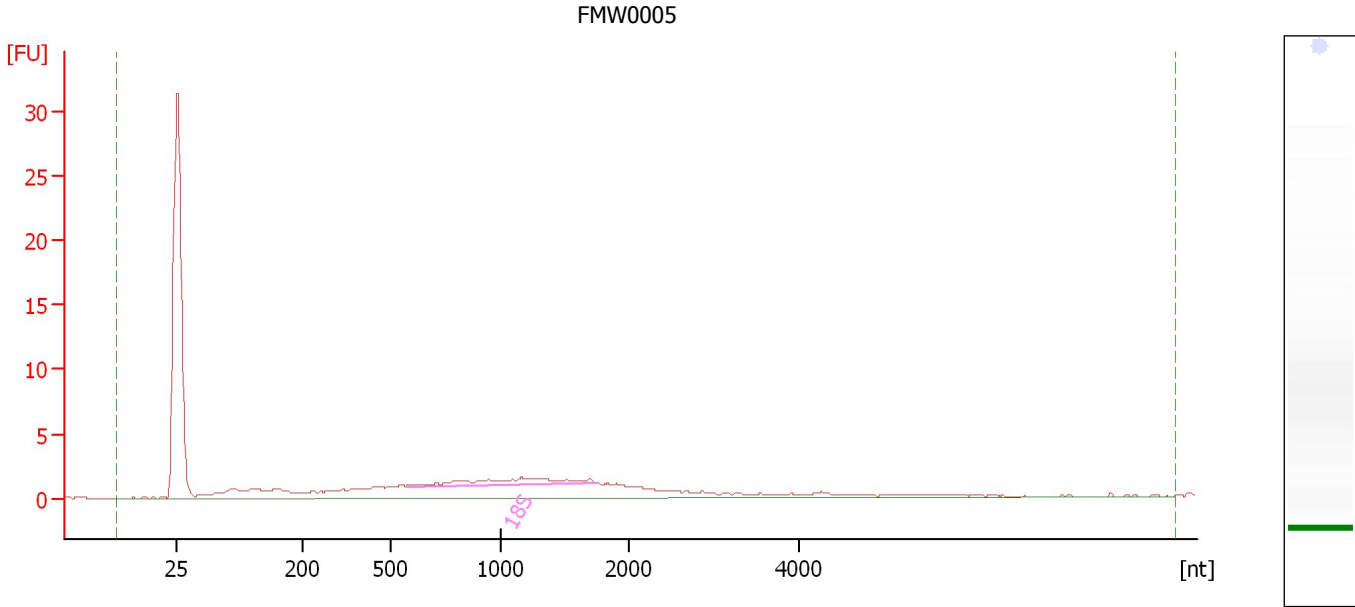
Fragment table for sample 6 : FMD0005

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,813	4.8	6.2
28S	3,157	3,556	1.8	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : FMW0005

RNA Area:	60.9	RNA Integrity Number (RIN):	3.4 (B.02.08)
RNA Concentration:	277 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.40

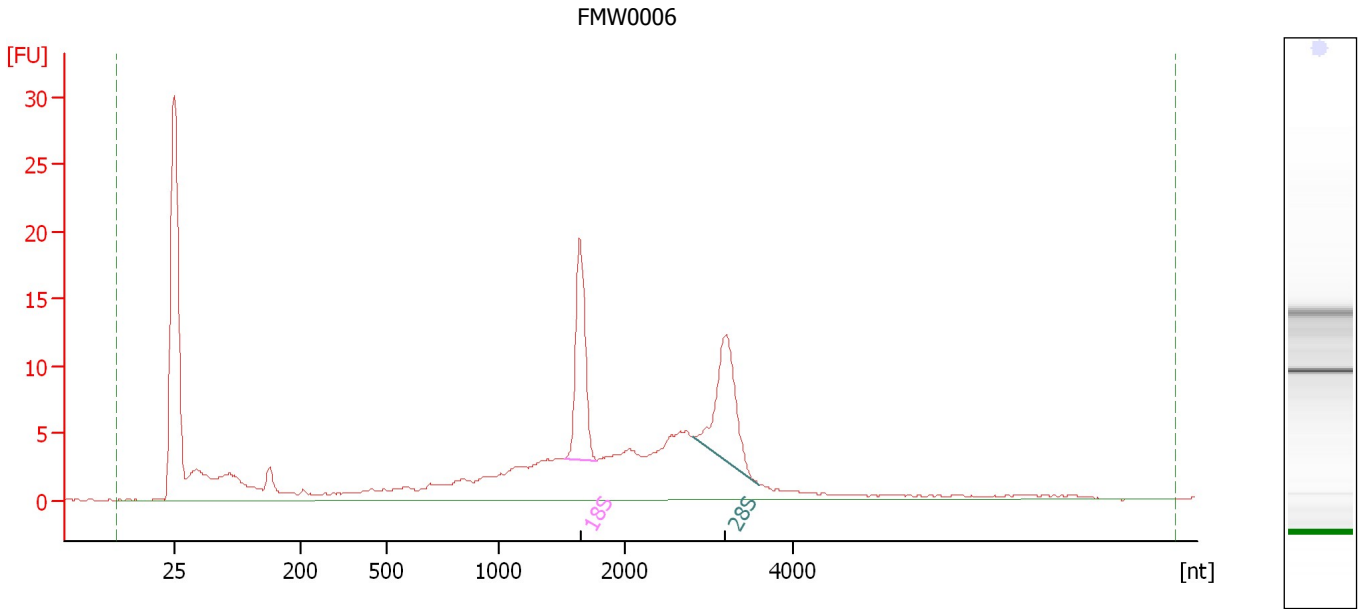
Fragment table for sample 7 : FMW0005

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	572	1,761	6.0	9.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : FMW0006

RNA Area: 192.2 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 874 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.40

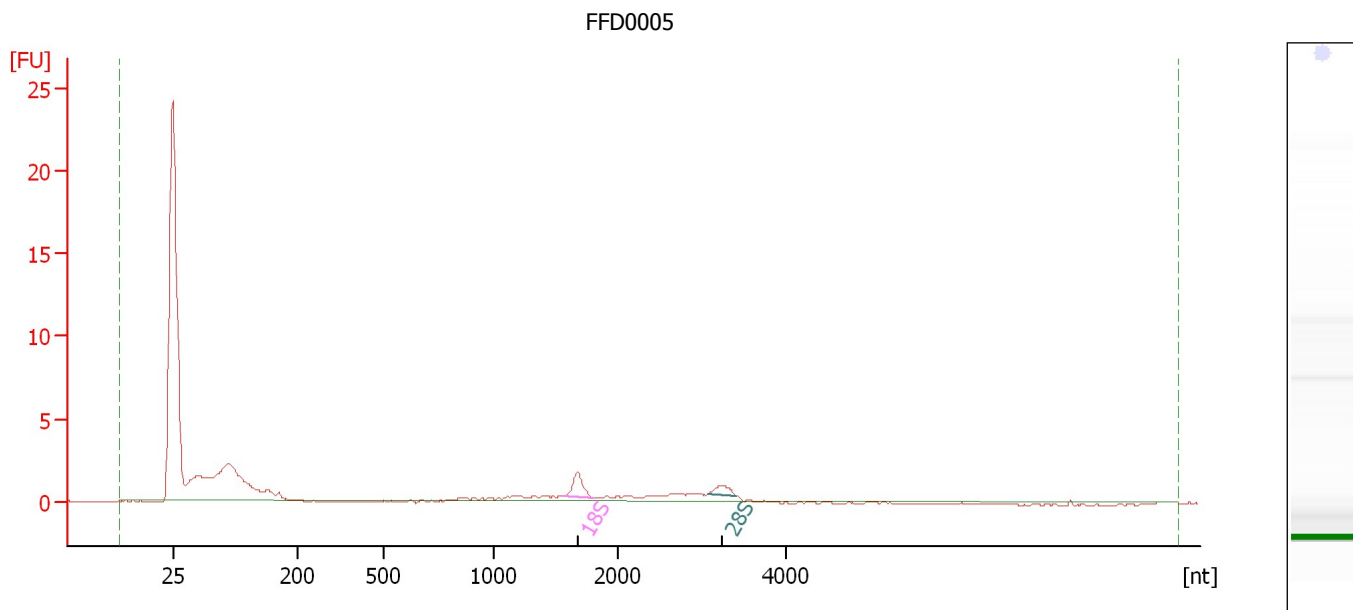
Fragment table for sample 8 : FMW0006

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,792	20.3	10.6
28S	2,812	3,592	20.7	10.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
 Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : FFD0005

RNA Area:	35.7	RNA Integrity Number (RIN):	4.5 (B.02.08)
RNA Concentration:	162 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 4.50

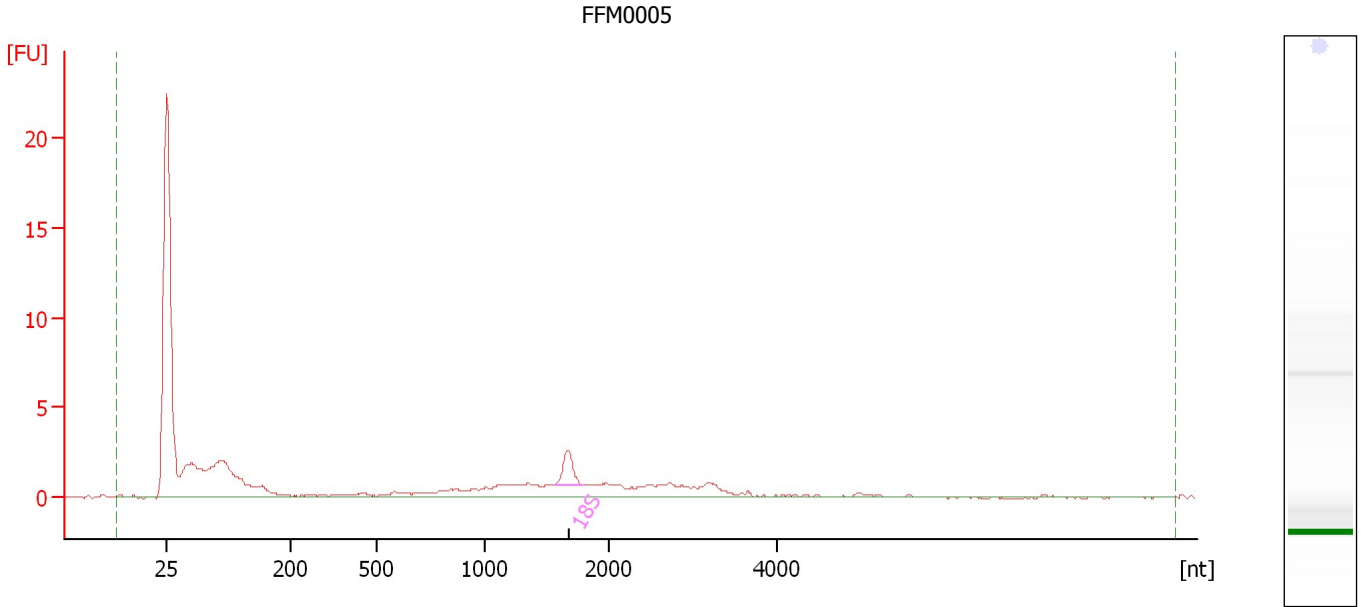
Fragment table for sample 9 : FFD0005

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,806	2.0	5.5
28S	3,071	3,401	0.9	2.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : FFM0005

RNA Area:	51.3	RNA Integrity Number (RIN):	4.7 (B.02.08)
RNA Concentration:	233 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.70

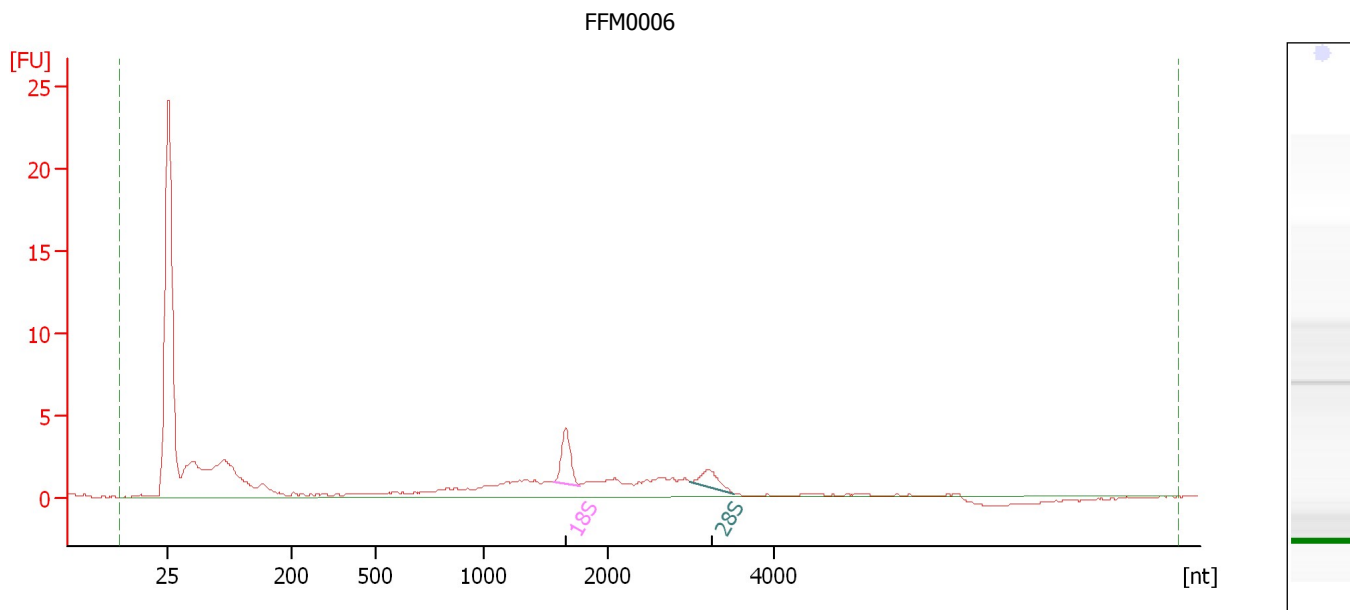
Fragment table for sample 10 : FFM0005

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	1,786	2.5	5.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
 Modified: 9/27/2019 4:57:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : FFM0006

RNA Area:	70.0	RNA Integrity Number (RIN):	5.4 (B.02.08)
RNA Concentration:	318 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.40

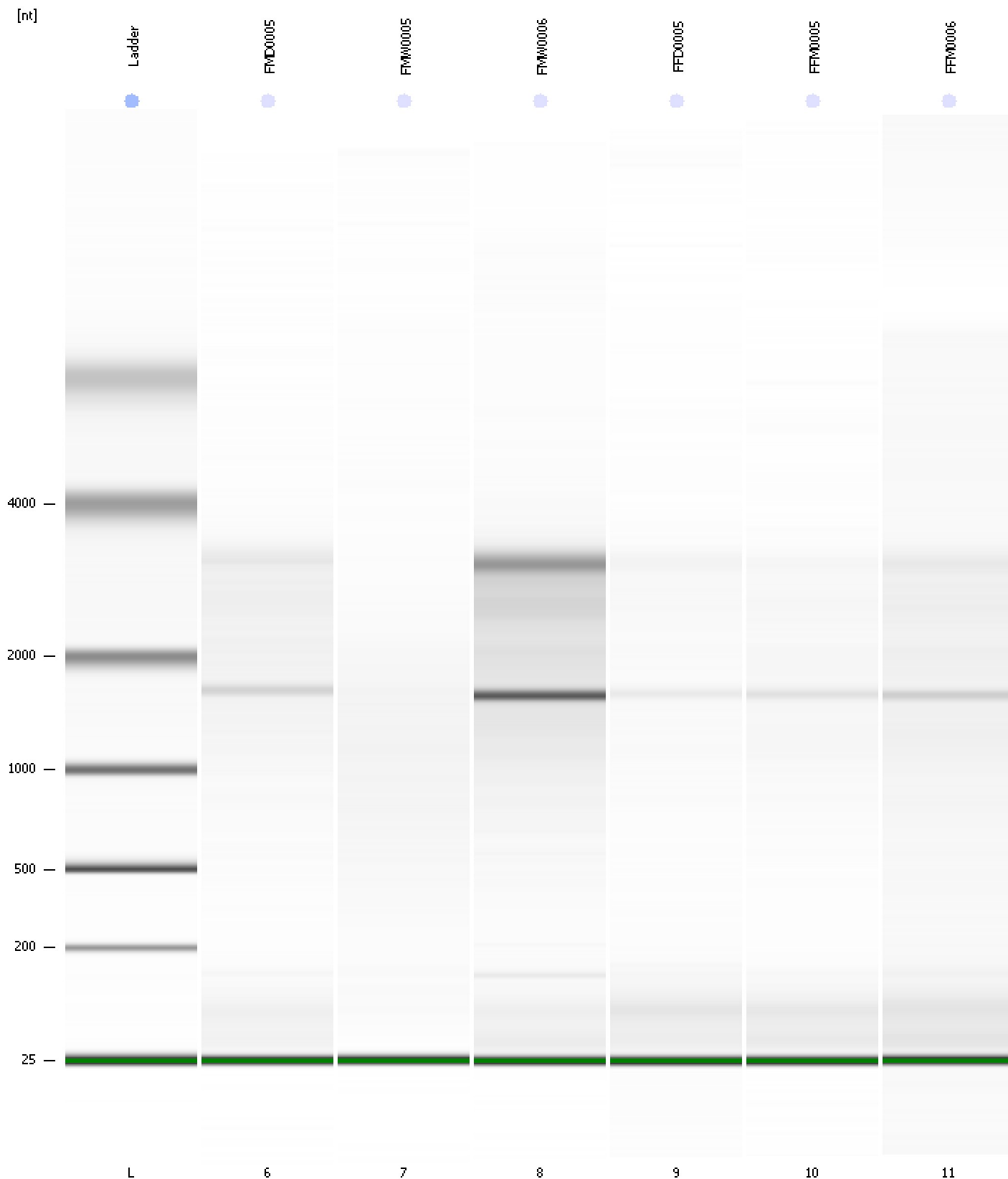
Fragment table for sample 11 : FFM0006

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,767	4.0	5.7
28S	2,990	3,516	2.1	3.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Gel Image

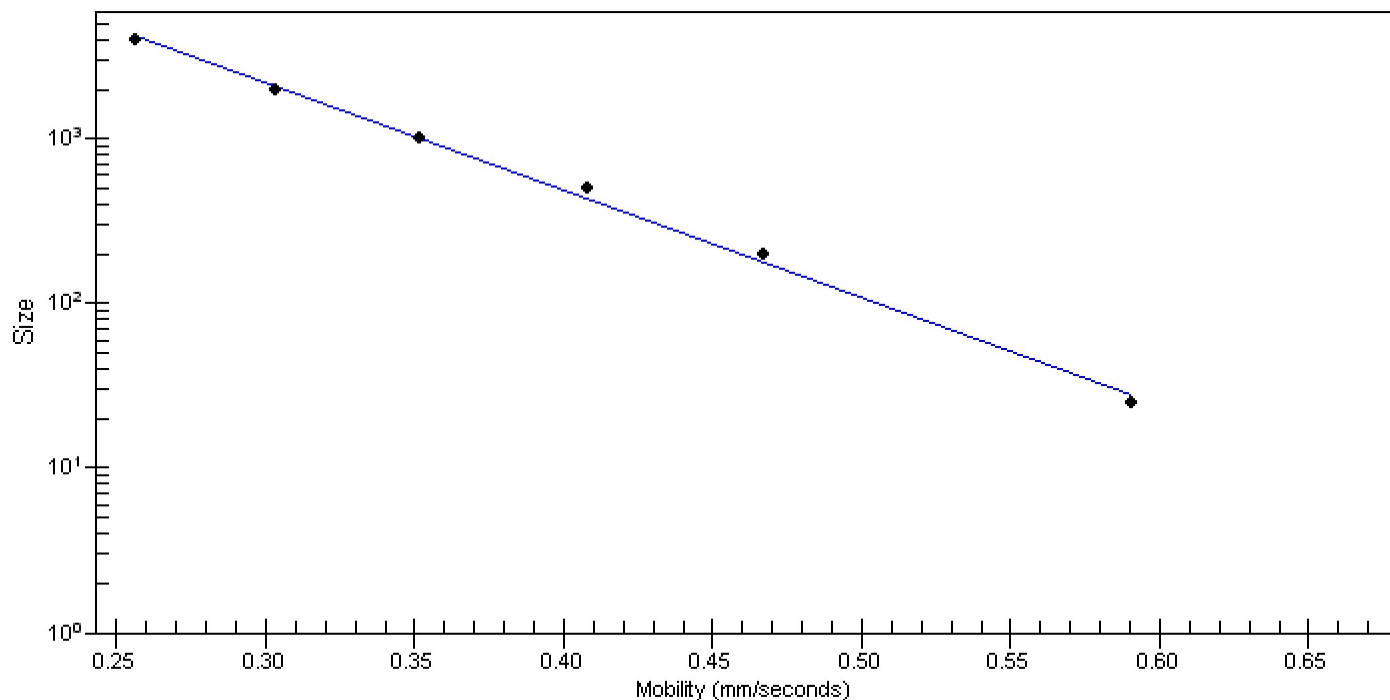


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
Modified: 9/27/2019 4:57:10 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2019-09-27\QC481_RNAQC.xad

Created: 9/27/2019 4:25:19 PM
 Modified: 9/27/2019 4:57:10 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		9/27/2019 4:48:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-27\2019-09-27_002.xad)		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/27/2019 4:25:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1