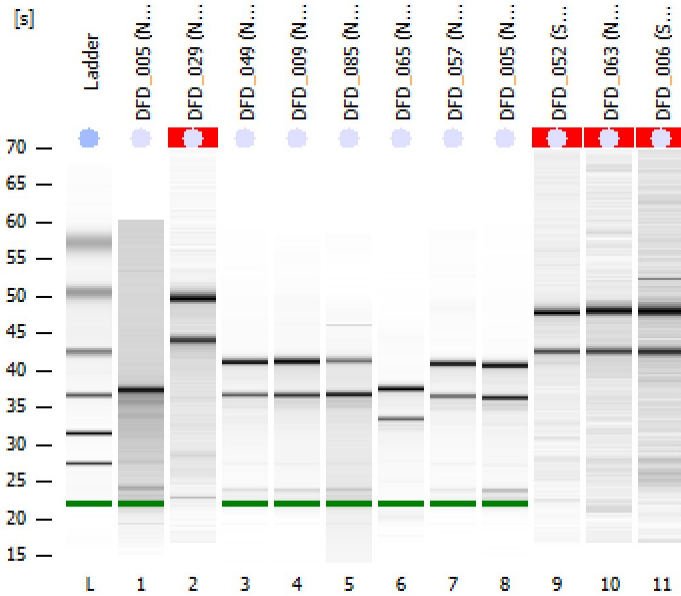


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Electrophoresis File Run Summary



Instrument Information:

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

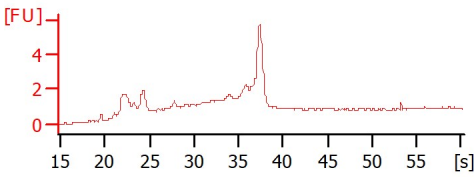
Assay Information:

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.

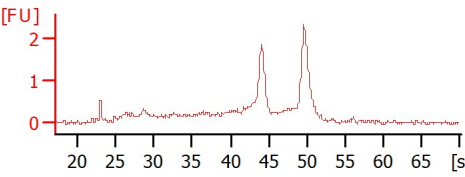
Chip Information:

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

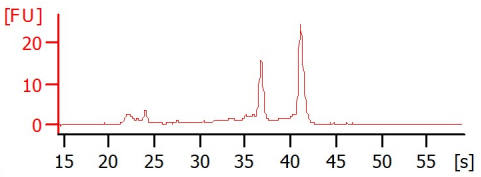
DFD_005 (NM C)
RIN: 5.30



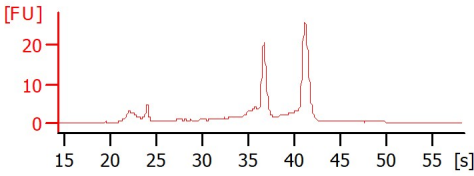
DFD_029 (NM C)
RIN: 7.30



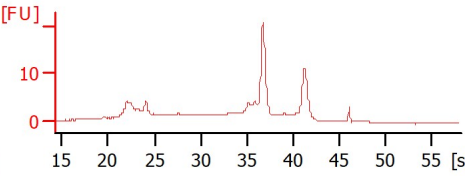
DFD_049 (NM C)
RIN: 6.10



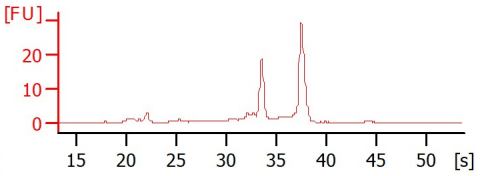
DFD_009 (NM T)
RIN: 6



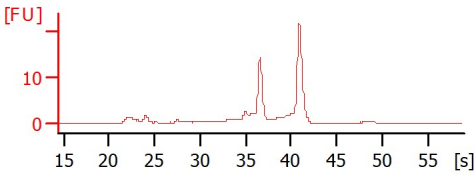
DFD_085 (NM T)
RIN: 5



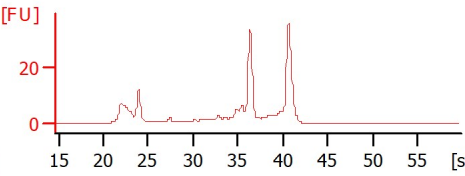
DFD_065 (NM T)
RIN: 1.20



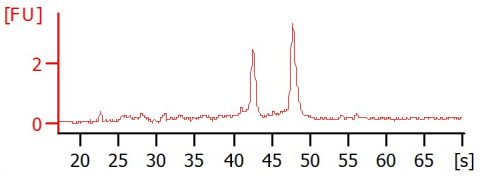
DFD_057 (NM C)
RIN: 6.10



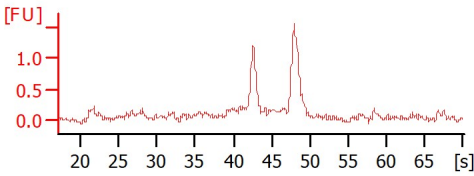
DFD_005 (NM C)
RIN: 6



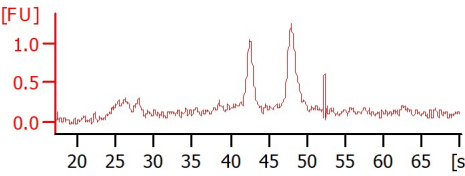
DFD_052 (S+T T)
RIN: 8.10



DFD_063 (NM C)
RIN: 2.60



DFD_006 (S+T C)
RIN: 2.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DFD_005 (NM C)		✓	RIN: 5.30	
DFD_029 (NM C)		✓	RIN: 7.30	
DFD_049 (NM C)		✓	RIN: 6.10	
DFD_009 (NM T)		✓	RIN:6	
DFD_085 (NM T)		✓	RIN:5	
DFD_065 (NM T)		✓	RIN: 1.20	
DFD_057 (NM C)		✓	RIN: 6.10	
DFD_005 (NM C)		✓	RIN:6	
DFD_052 (S+T T)		✓	RIN: 8.10	
DFD_063 (NM C)		✓	RIN: 2.60	
DFD_006 (S+T C)		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

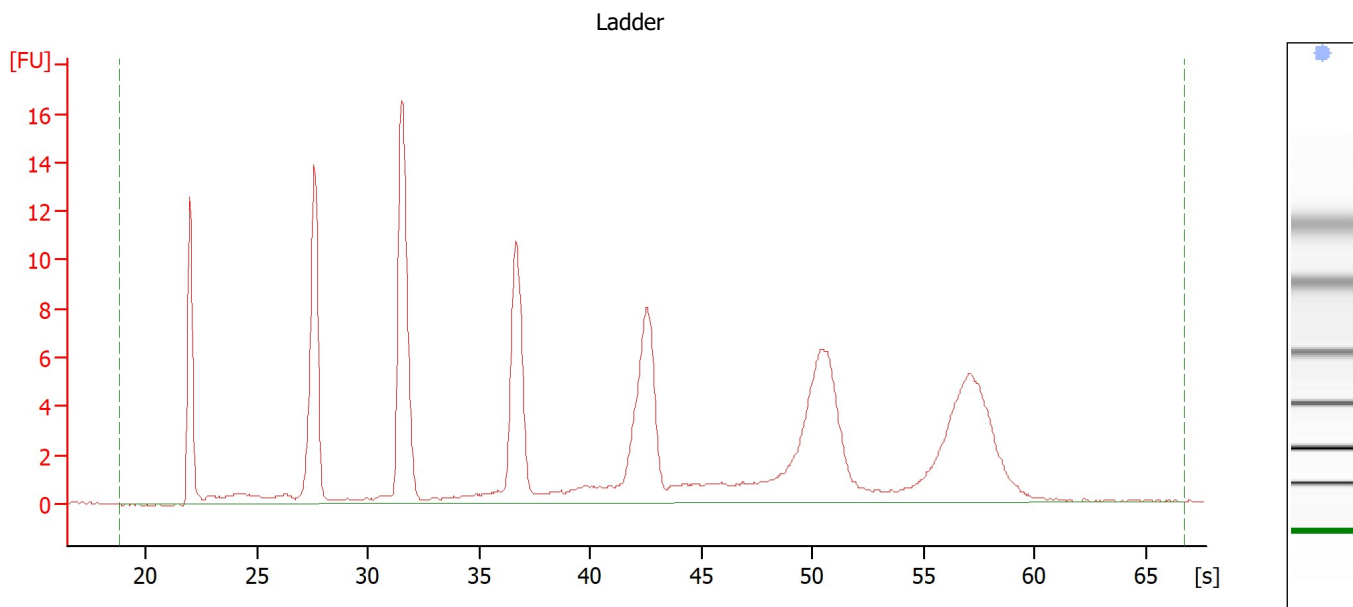
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary



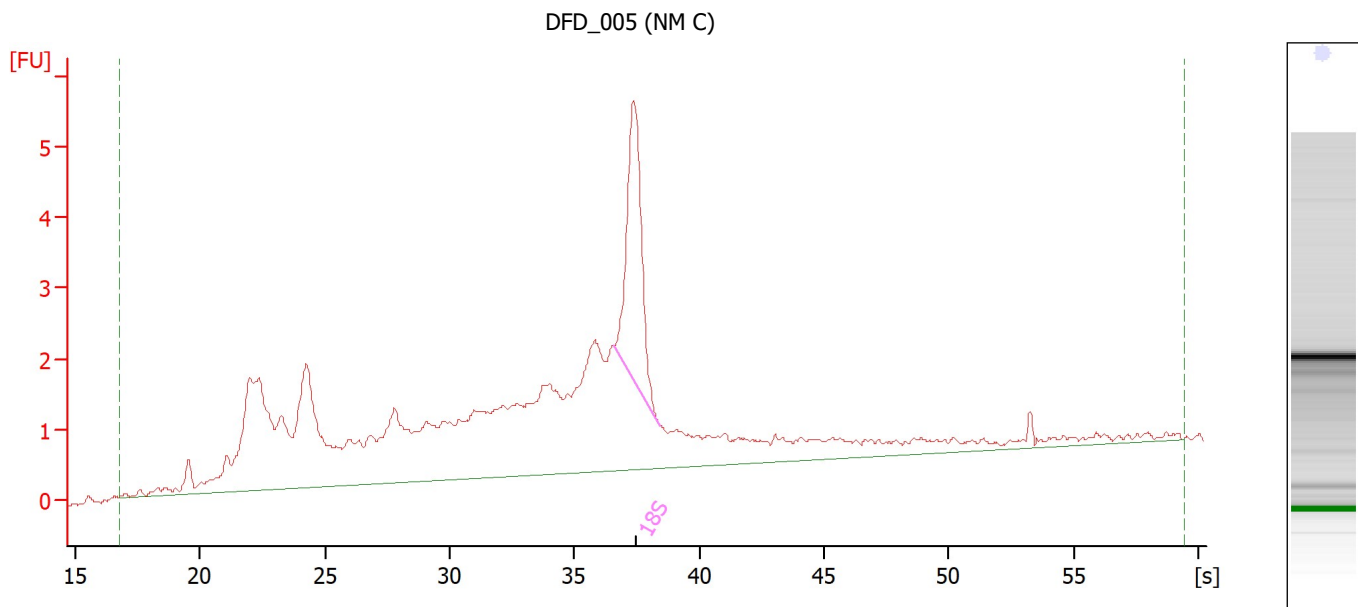
Overall Results for Ladder

RNA Area:	151.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DFD_005 (NM C)

RNA Area:	70.8	RNA Integrity Number (RIN):	5.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	467 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

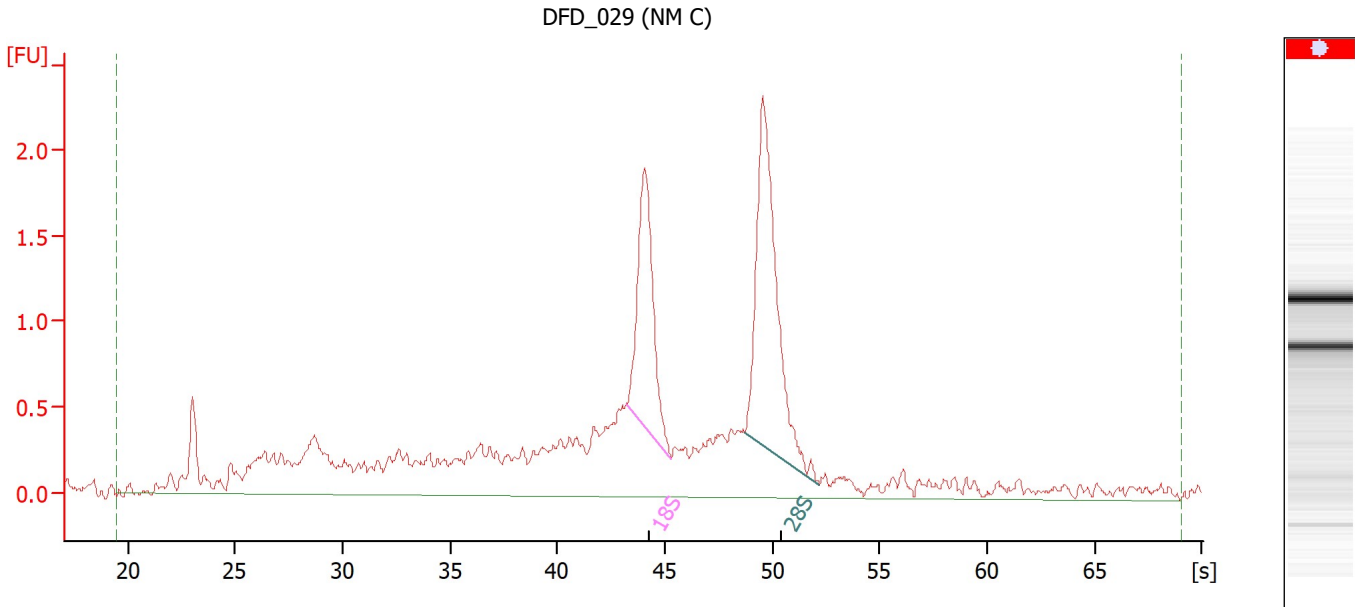
Fragment table for sample 1 : DFD_005 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	985	1,288	7.3	10.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DFD_029 (NM C)

RNA Area:	29.7	RNA Integrity Number (RIN):	7.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	196 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.30

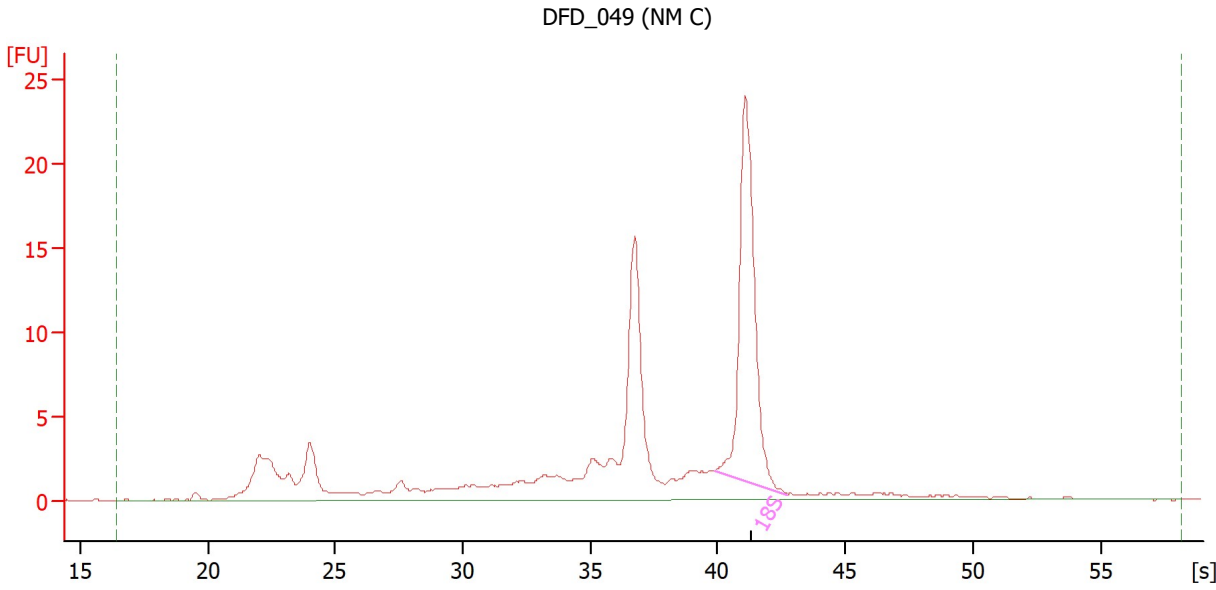
Fragment table for sample 2 : DFD_029 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,166	2,689	2.8	9.5
28S	3,570	4,451	4.4	14.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DFD_049 (NM C)

RNA Area:	132.4	RNA Integrity Number (RIN):	6.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	874 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

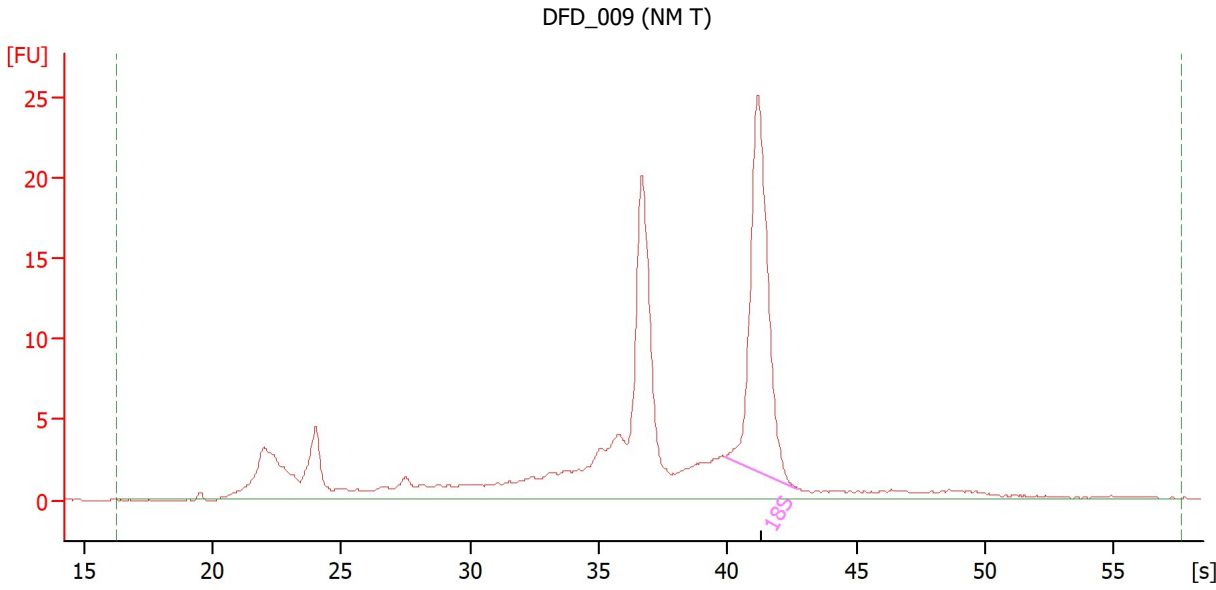
Fragment table for sample 3 : DFD_049 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	2,035	37.9	28.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DFD_009 (NM T)

RNA Area:	178.6	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,179 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:6

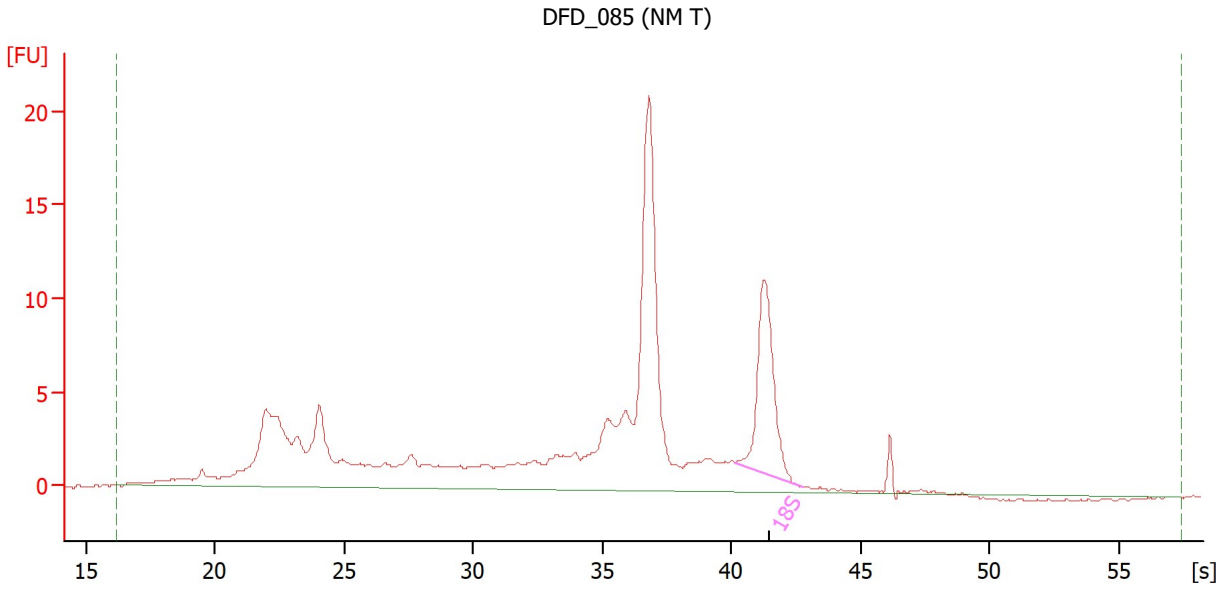
Fragment table for sample 4 : DFD_009 (NM T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	2,027	44.5	24.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DFD_085 (NM T)

RNA Area:	162.8	RNA Integrity Number (RIN):	5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,075 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:5

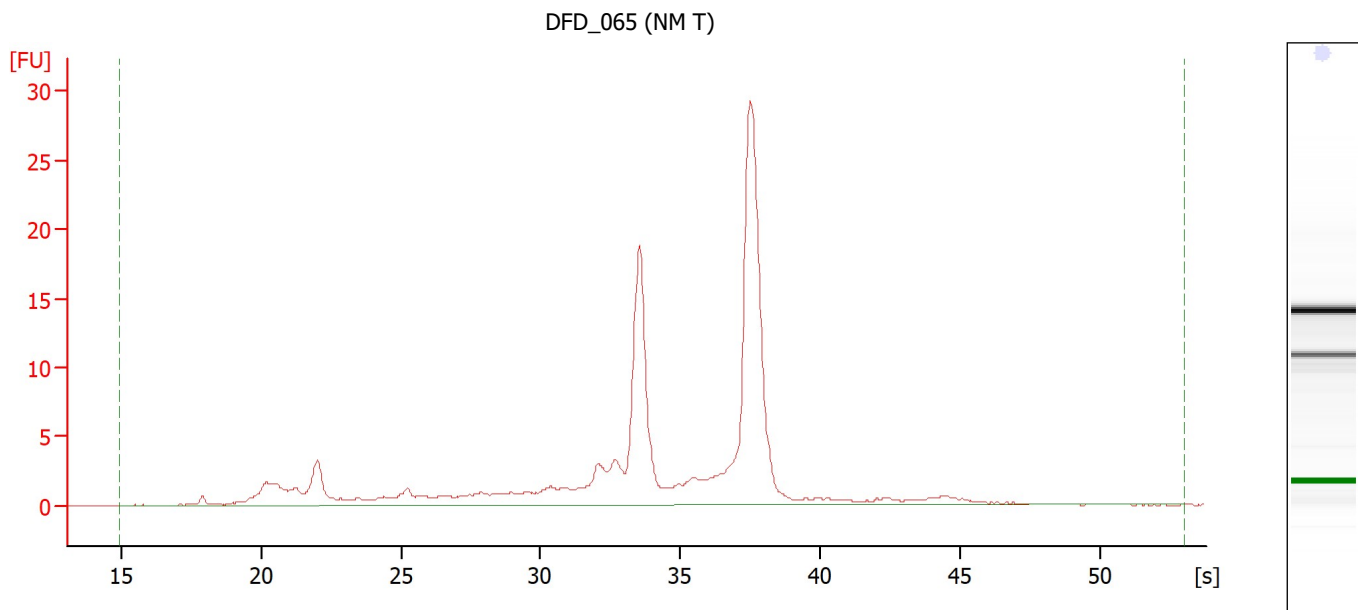
Fragment table for sample 5 : DFD_085 (NM T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	2,039	18.1	11.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



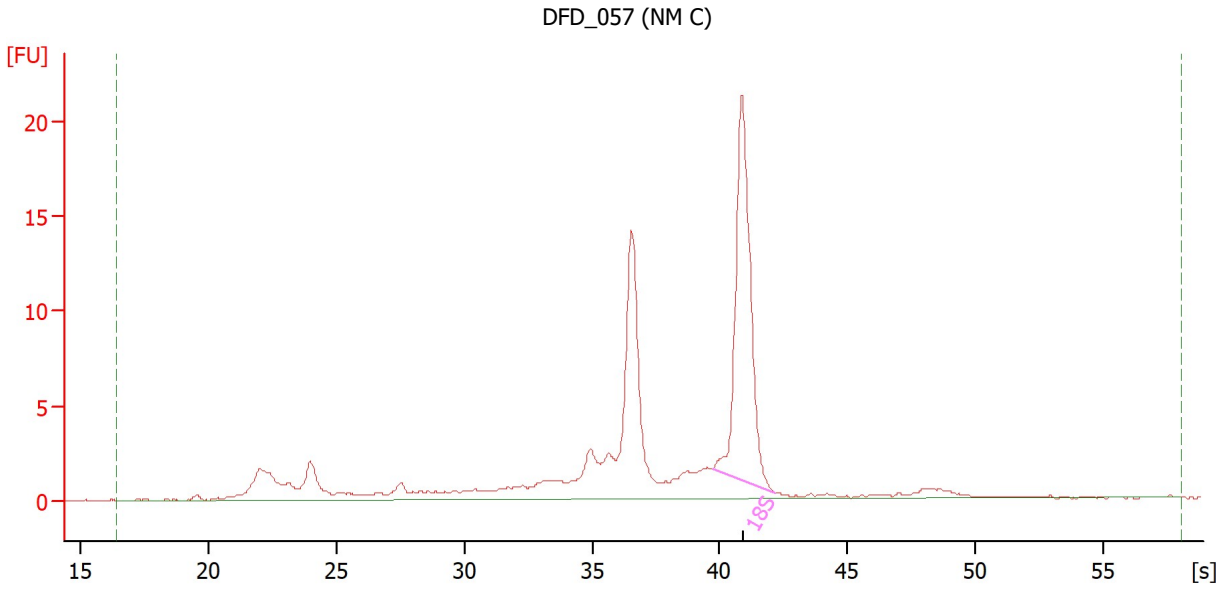
Overall Results for sample 6 : DFD_065 (NM T)

RNA Area:	153.1	RNA Integrity Number (RIN):	1.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,011 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DFD_057 (NM C)

RNA Area:	109.0	RNA Integrity Number (RIN):	6.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	720 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

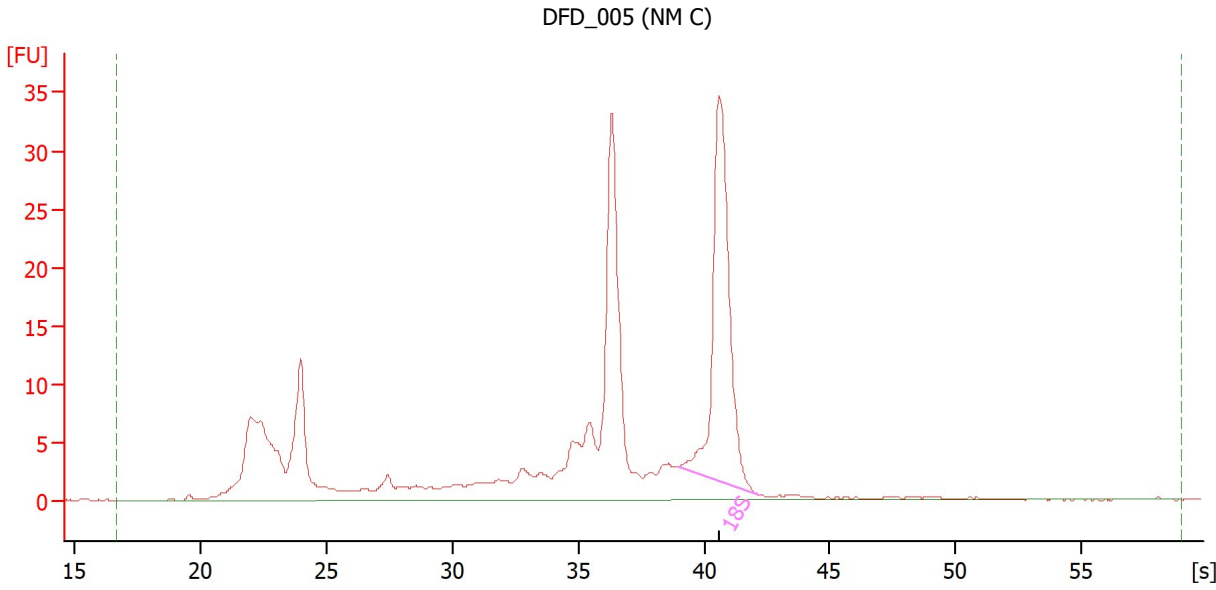
Fragment table for sample 7 : DFD_057 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,931	33.0	30.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DFD_005 (NM C)

RNA Area:	240.3	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,586 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

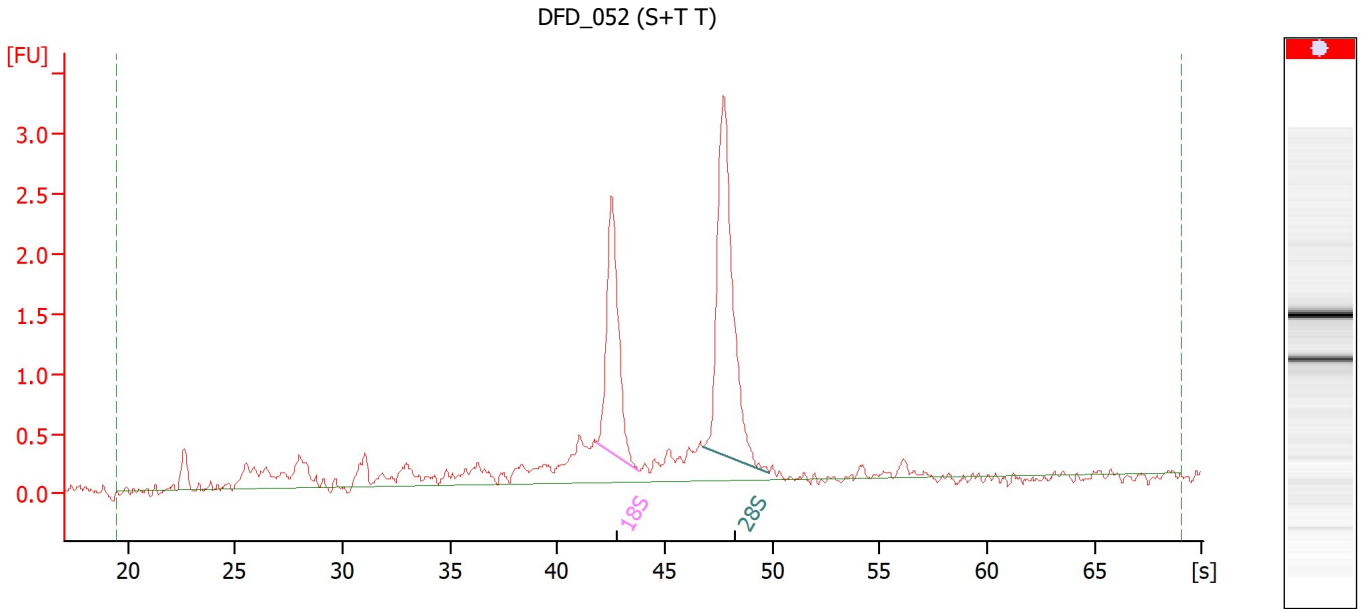
Fragment table for sample 8 : DFD_005 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,383	1,926	60.9	25.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DFD_052 (S+T T)

RNA Area:	19.6	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	129 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.10

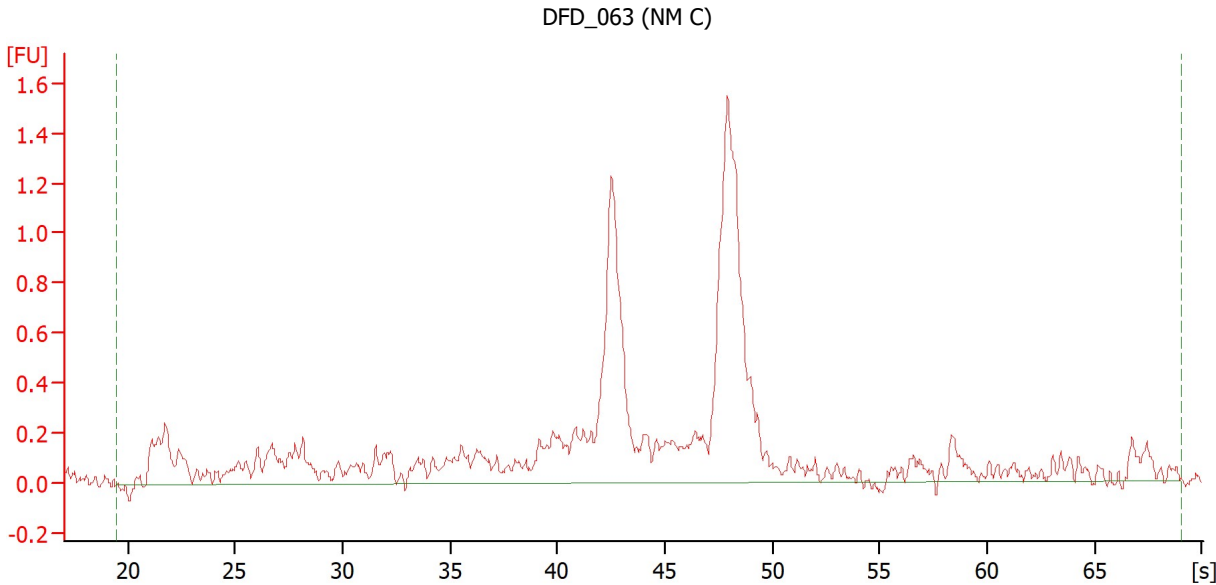
Fragment table for sample 9 : DFD_052 (S+T T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,873	2,294	3.2	16.2
28S	3,060	3,851	5.1	26.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



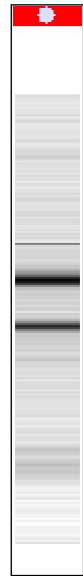
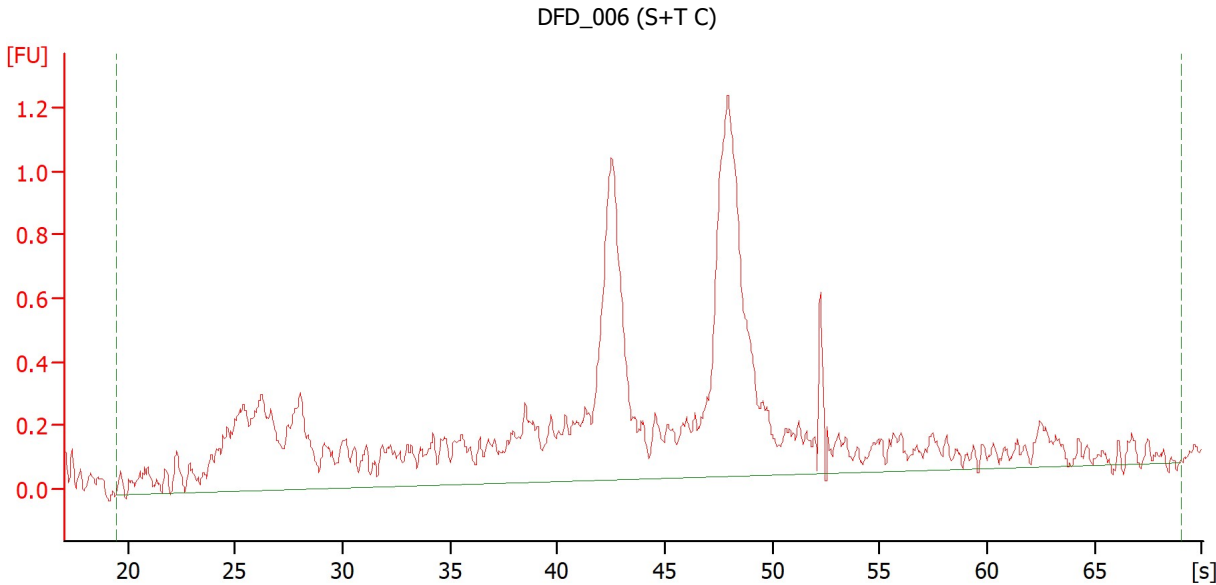
Overall Results for sample 10 : DFD_063 (NM C)

RNA Area:	15.4	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	102 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Electropherogram Summary Continued ...



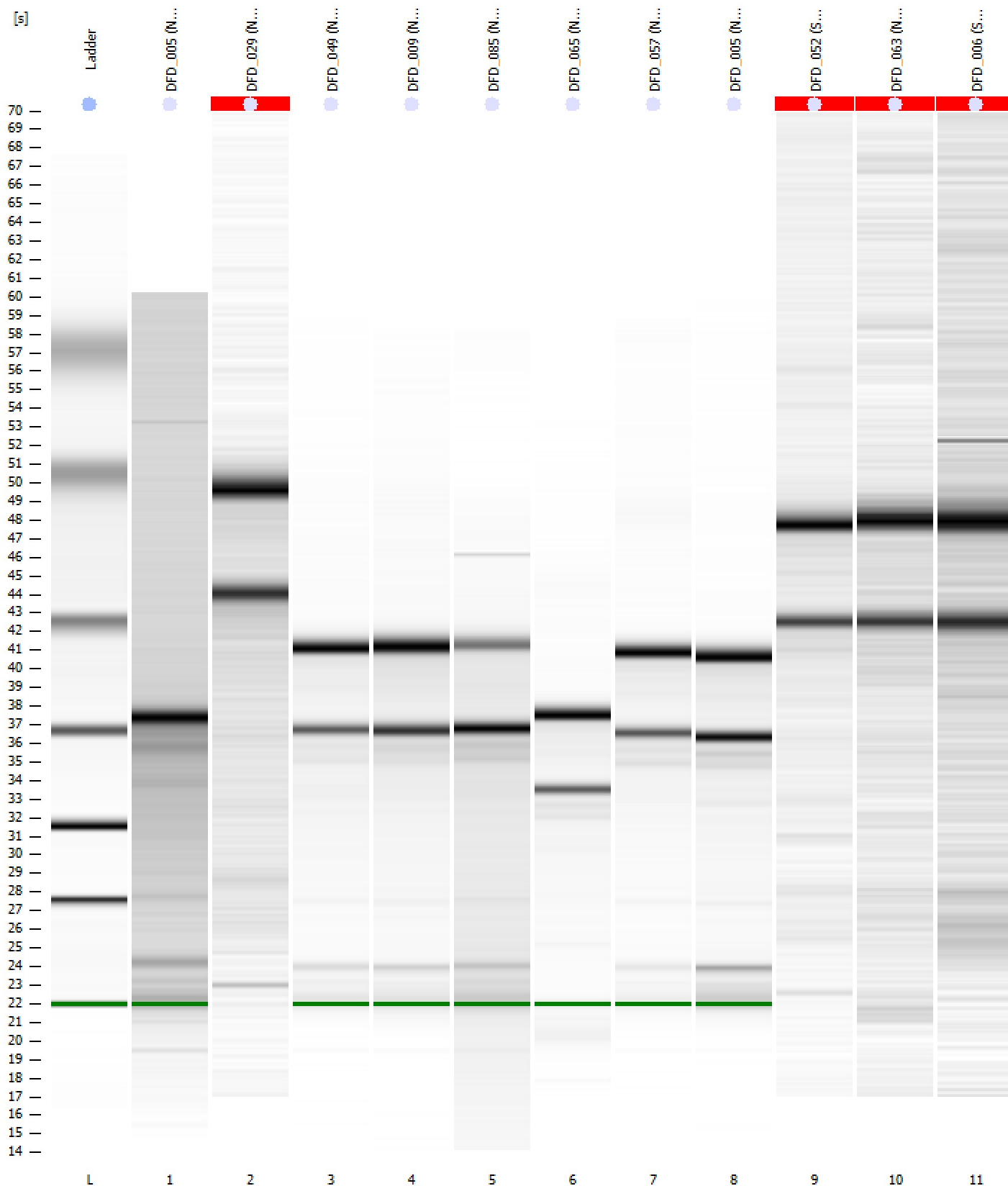
Overall Results for sample 11 : DFD_006 (S+T C)

RNA Area:	18.9	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	125 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Gel Image

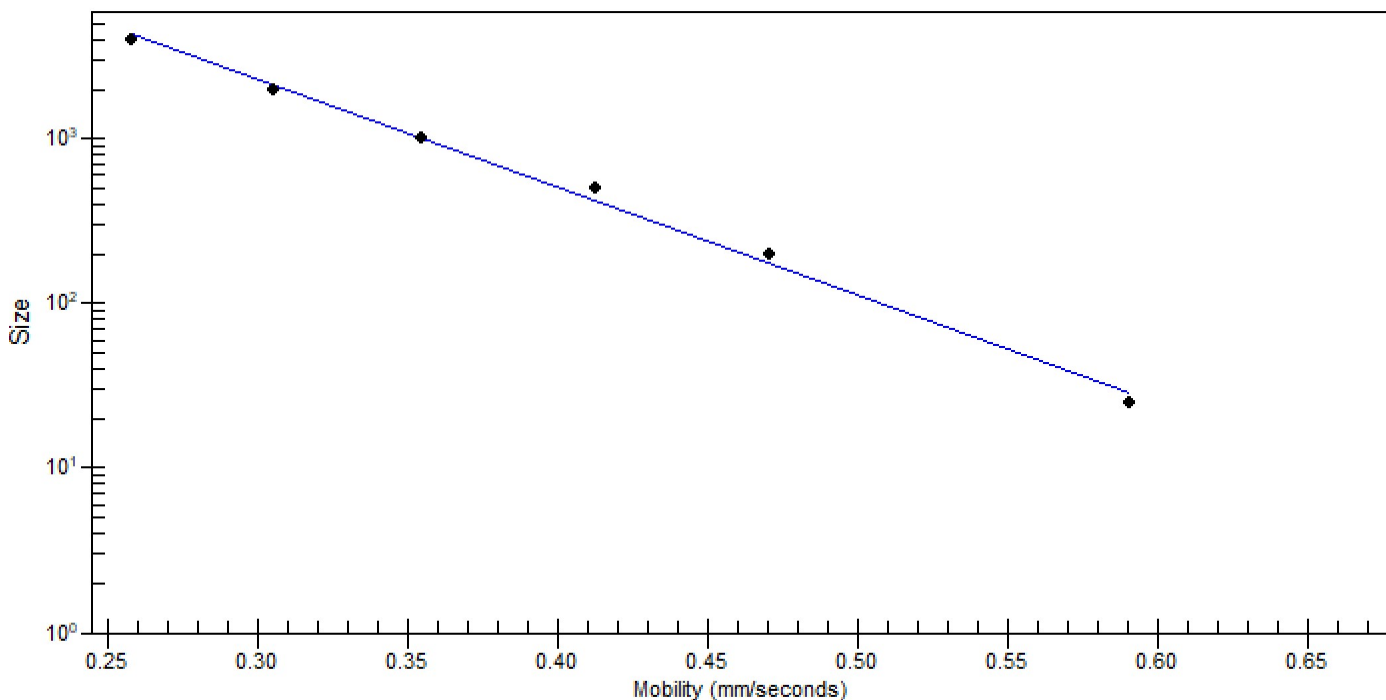


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
Modified: 1/11/2024 12:00:11 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad

Created: 1/11/2024 11:37:14 AM
 Modified: 1/11/2024 12:00:11 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		1/11/2024 12:00:09 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-01-11\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-01-11_001.xad)		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/11/2024 11:37:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB