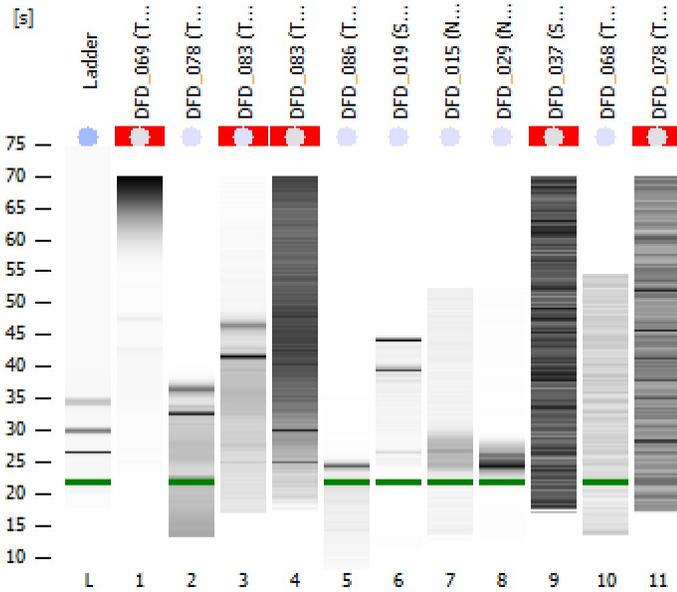


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electrophoresis File Run Summary



Instrument Information:

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

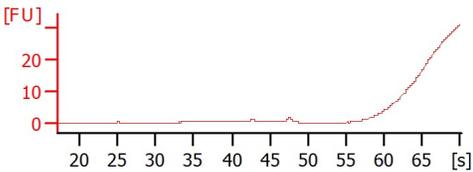
Assay Information:

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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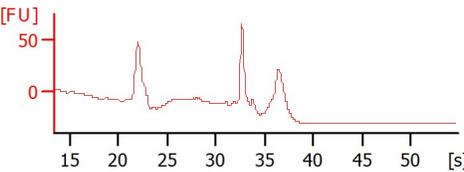
Chip Information:

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

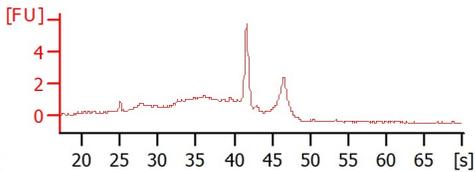
DFD_069 (TC07)
RIN N/A



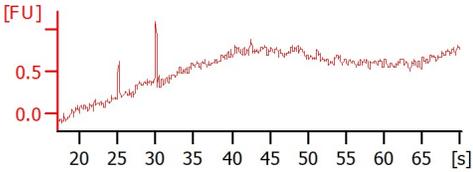
DFD_078 (TC09 soil)
RIN: 1.70



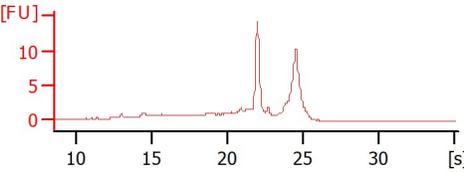
DFD_083 (TC04 soil)
RIN: 5



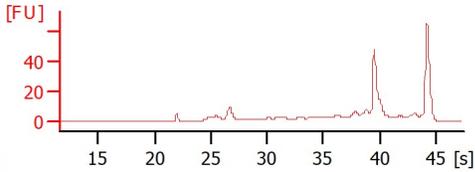
DFD_083 (TC04)
RIN N/A



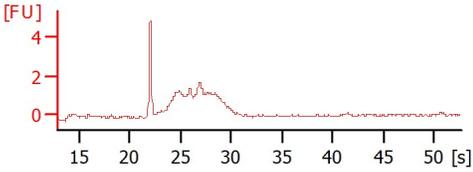
DFD_086 (TC12 soil)
RIN: 6.40



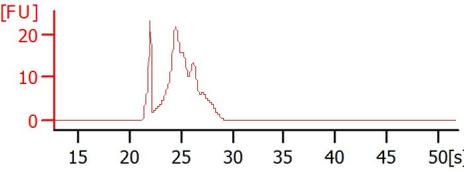
DFD_019 (S+T)
RIN: 5.80



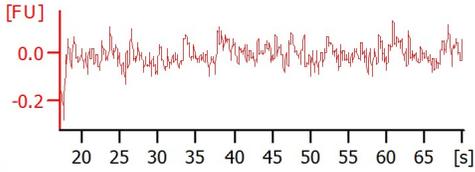
DFD_015 (NM07)
RIN: 2.50



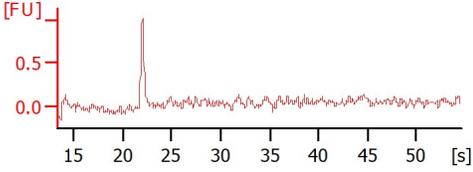
DFD_029 (NM03)
RIN: 2.70



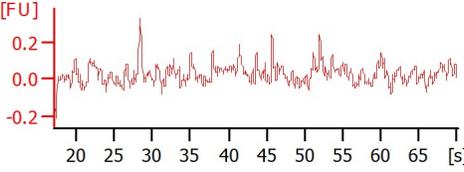
DFD_037 (S+T01)
RIN N/A



DFD_068 (TC06)
RIN: 1.60



DFD_078 (TC09)
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DFD_069 (TC07)		✓	RIN N/A	
DFD_078 (TC09 soil)		✓	RIN: 1.70	
DFD_083 (TC04 soil)		✓	RIN:5	
DFD_083 (TC04)		✓	RIN N/A	
DFD_086 (TC12 soil)		✓	RIN: 6.40	
DFD_019 (S+T)		✓	RIN: 5.80	
DFD_015 (NM07)		✓	RIN: 2.50	
DFD_029 (NM03)		✓	RIN: 2.70	
DFD_037 (S+T01)		✓	RIN N/A	
DFD_068 (TC06)		✓	RIN: 1.60	
DFD_078 (TC09)		✓	RIN N/A	
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_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 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

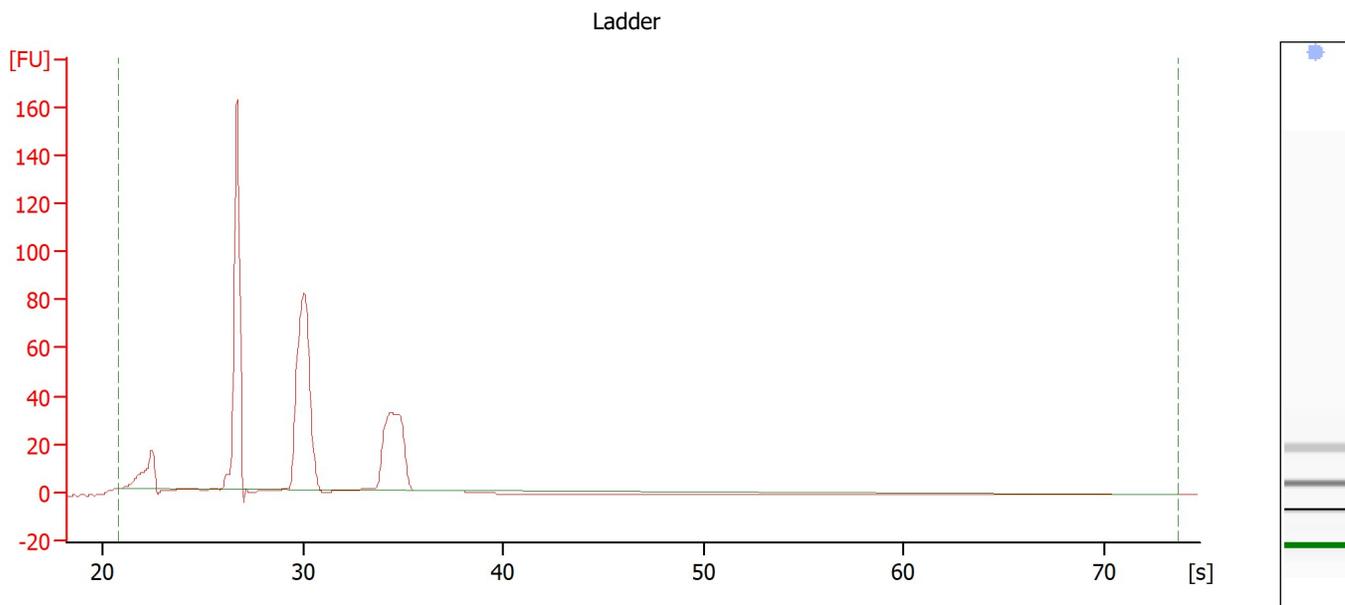
Ladder

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_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary



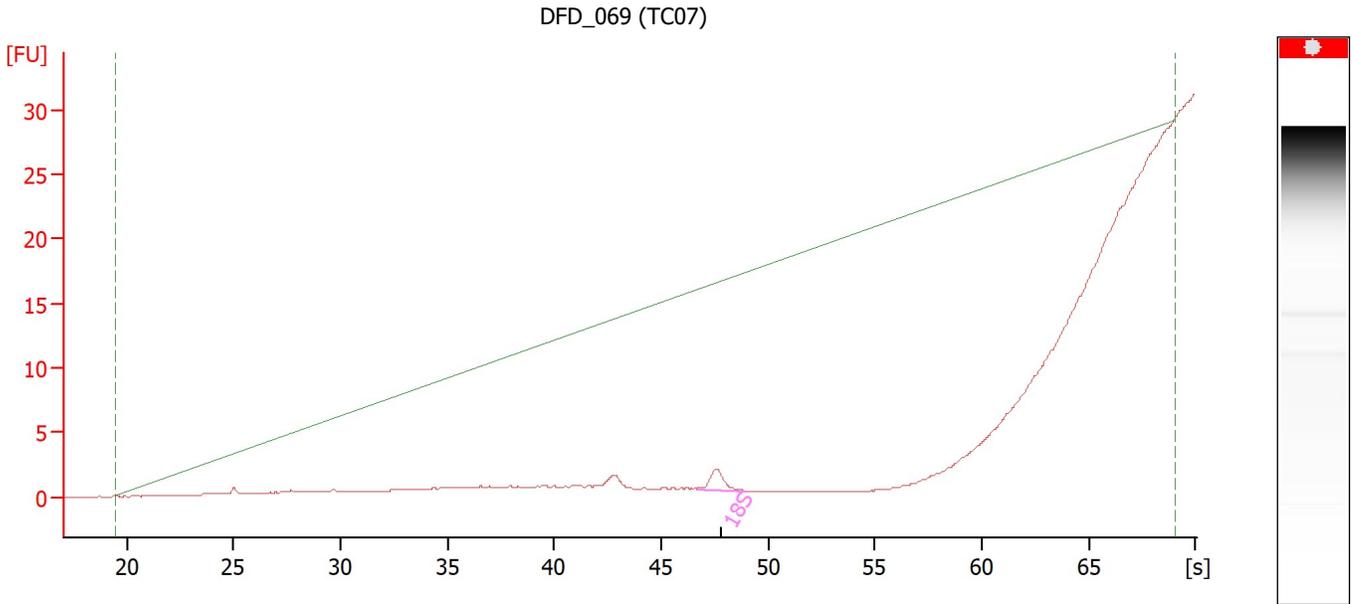
Overall Results for Ladder

RNA Area:	522.5	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_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DFD_069 (TC07)

RNA Area:	0.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	0 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

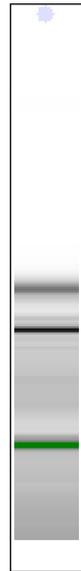
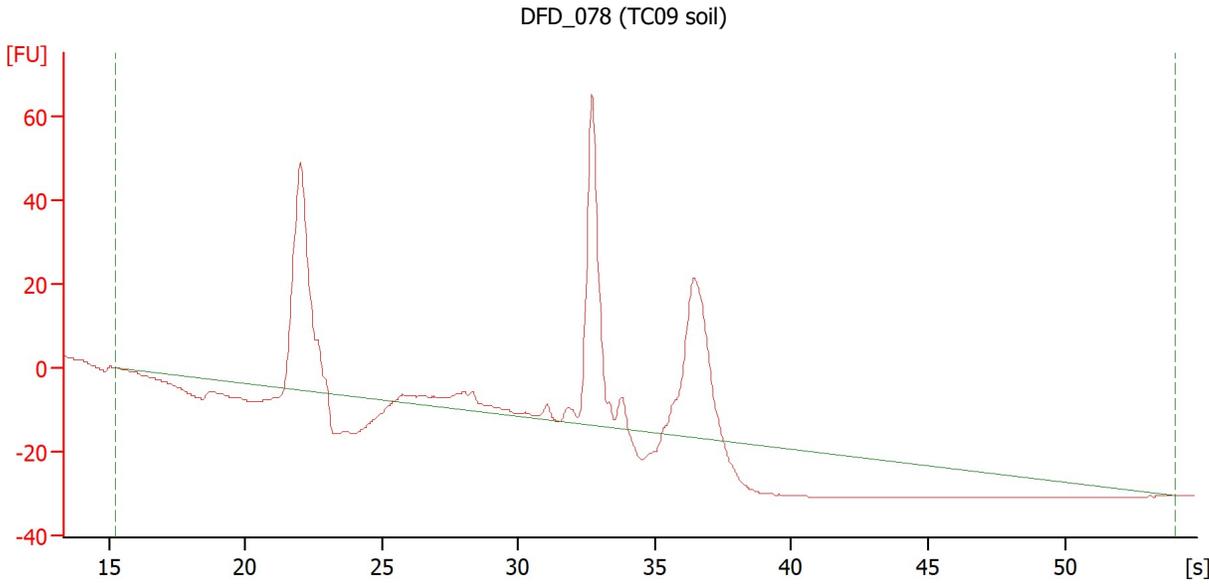
Fragment table for sample 1 : DFD_069 (TC07)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	9,669	10,756	2.6	38,088.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



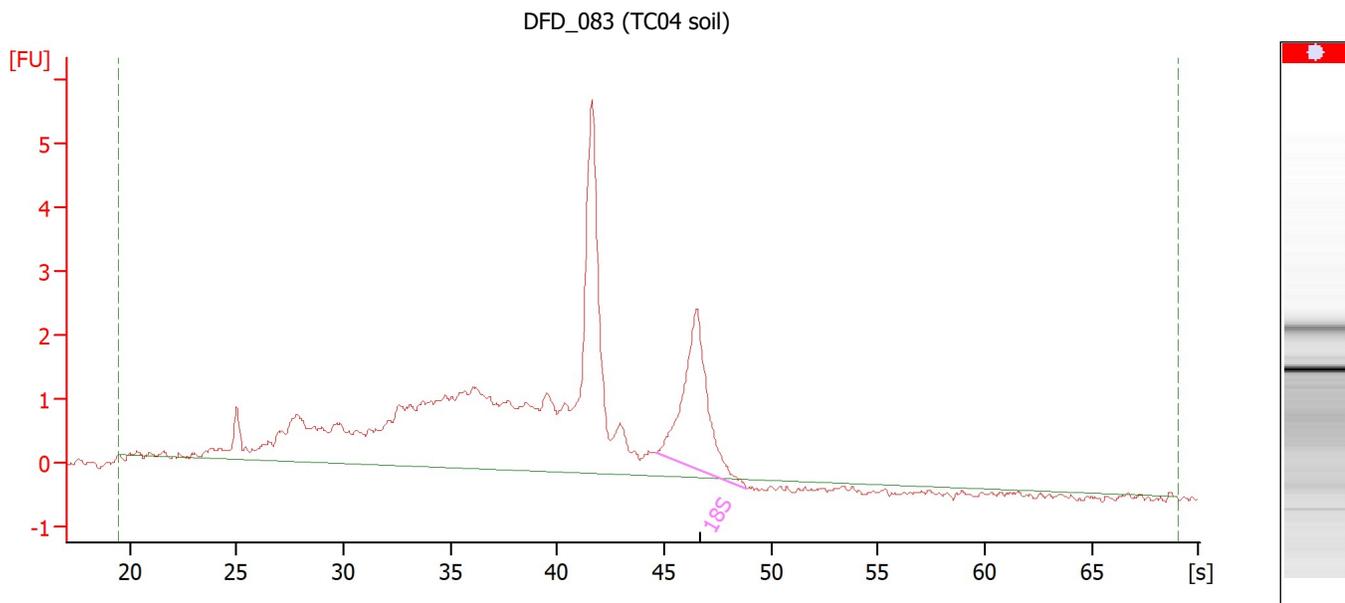
Overall Results for sample 2 : DFD_078 (TC09 soil)

RNA Area:	272.8	RNA Integrity Number (RIN):	1.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	522 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 1.70

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DFD_083 (TC04 soil)

RNA Area:	59.1	RNA Integrity Number (RIN):	5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	113 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

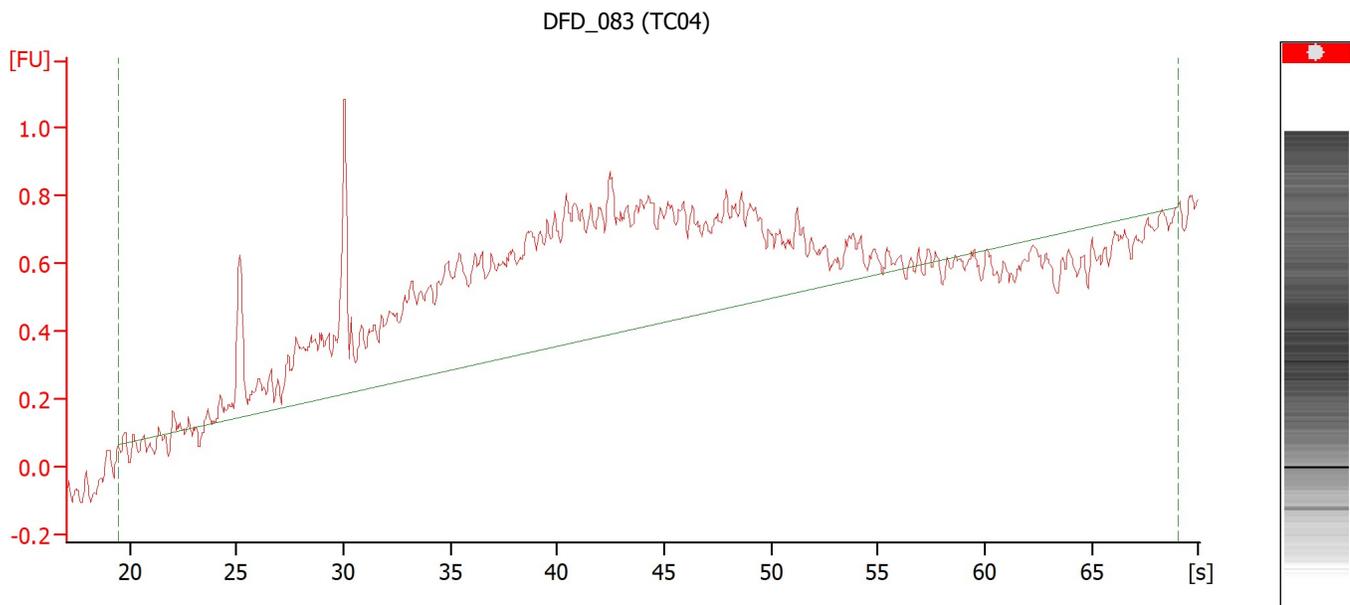
Fragment table for sample 3 : DFD_083 (TC04 soil)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	8,745	10,687	6.9	11.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



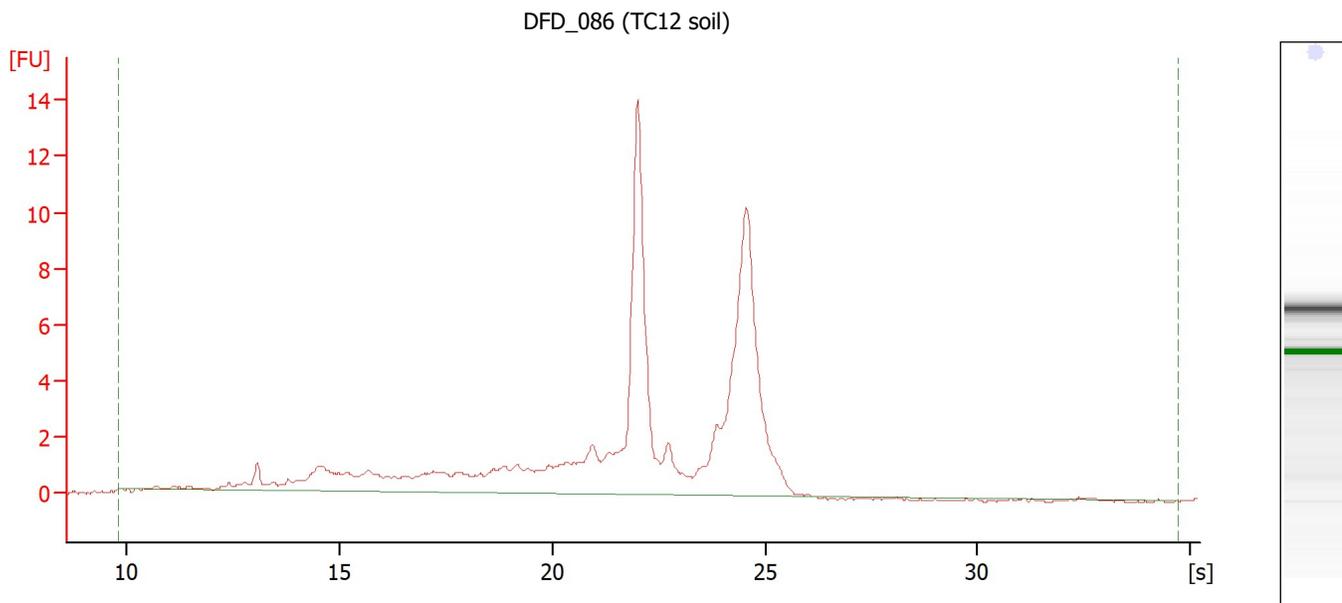
Overall Results for sample 4 : DFD_083 (TC04)

RNA Concentration:	37 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



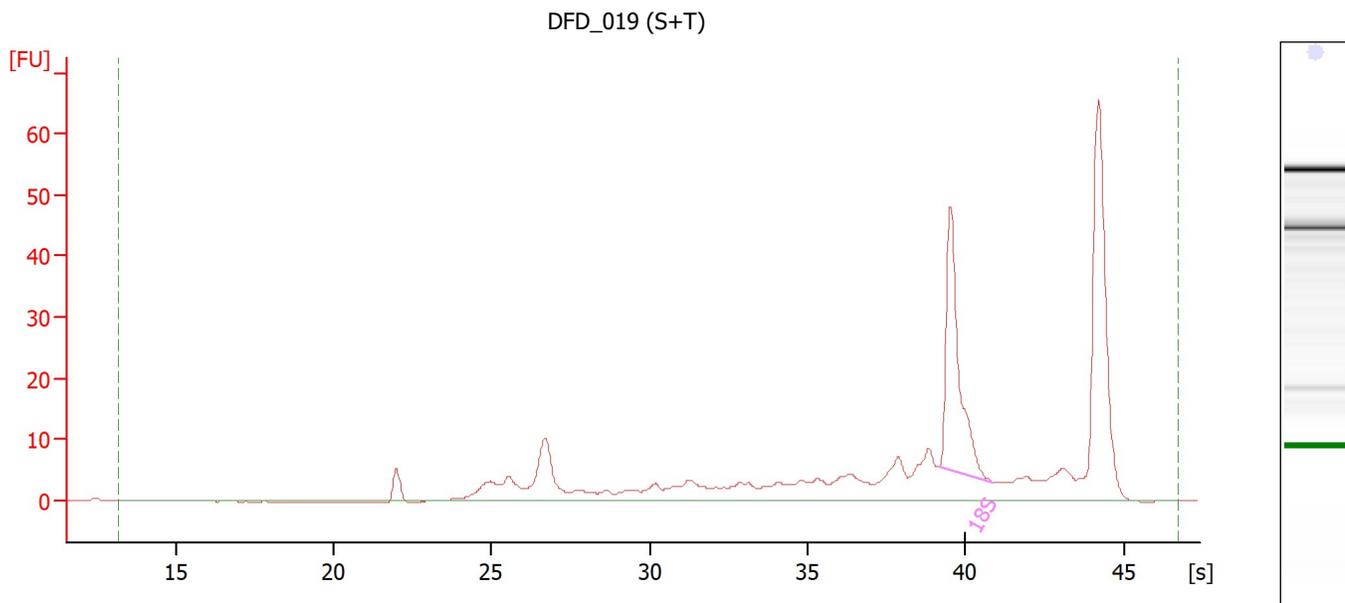
Overall Results for sample 5 : DFD_086 (TC12 soil)

RNA Area:	74.6	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	143 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DFD_019 (S+T)

RNA Area:	301.9	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	578 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.80

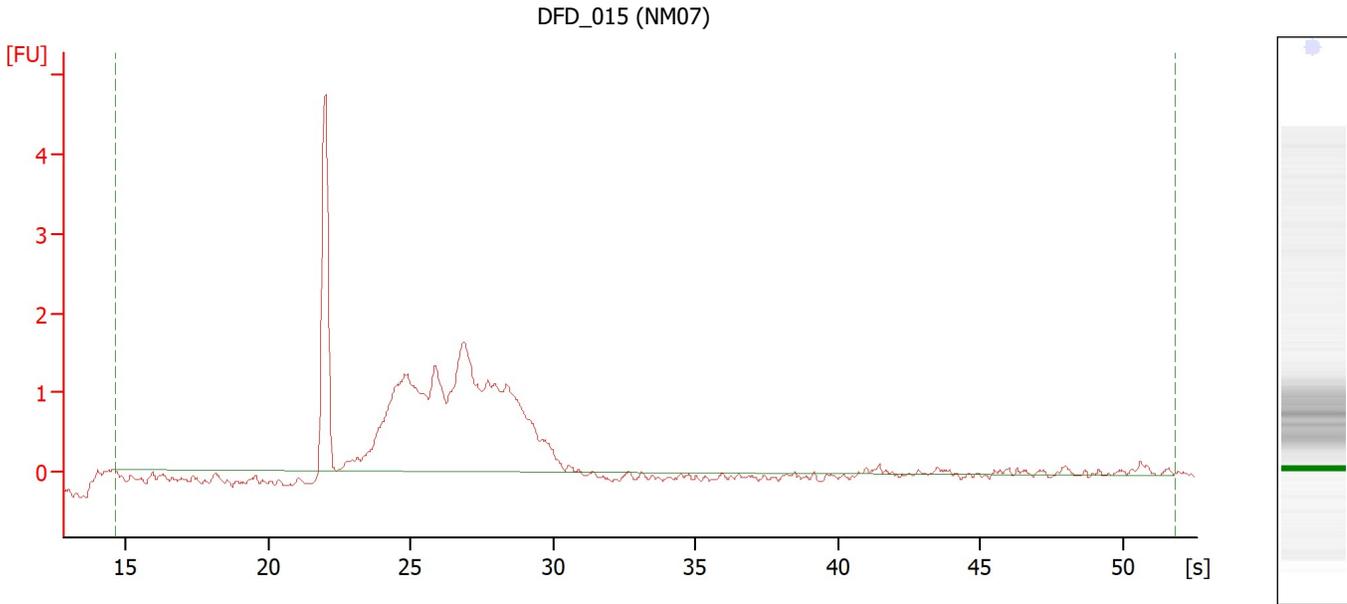
Fragment table for sample 6 : DFD_019 (S+T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	6,190	7,004	49.9	16.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



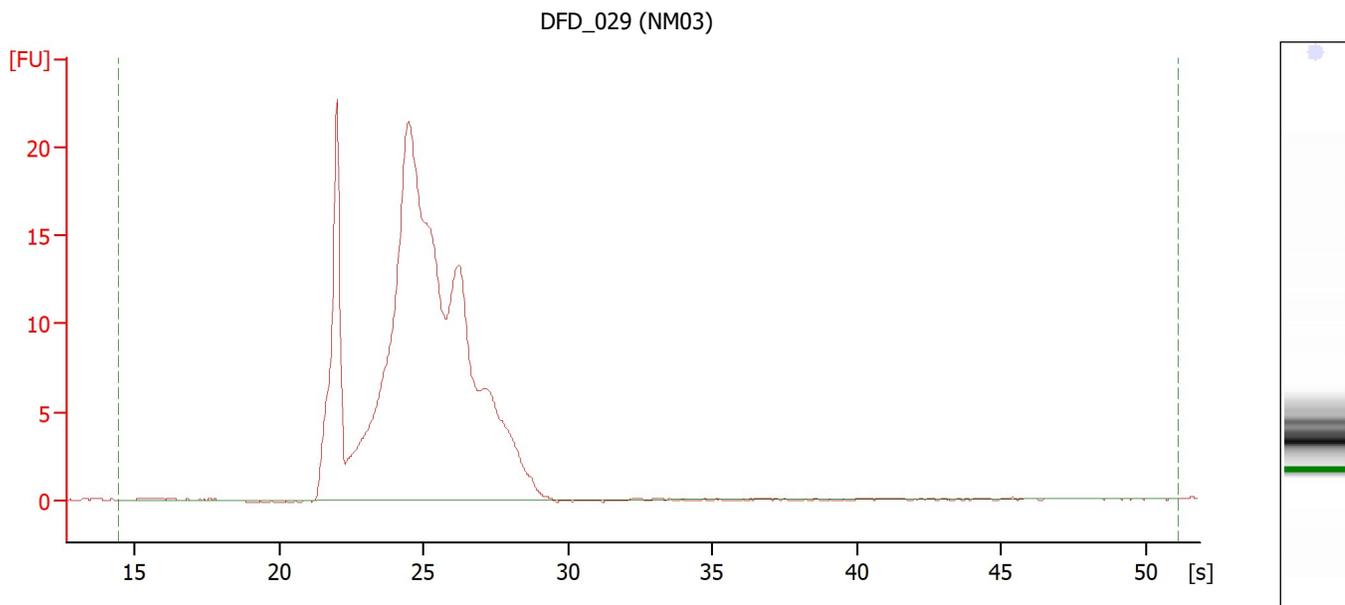
Overall Results for sample 7 : DFD_015 (NM07)

RNA Area:	24.4	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	47 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



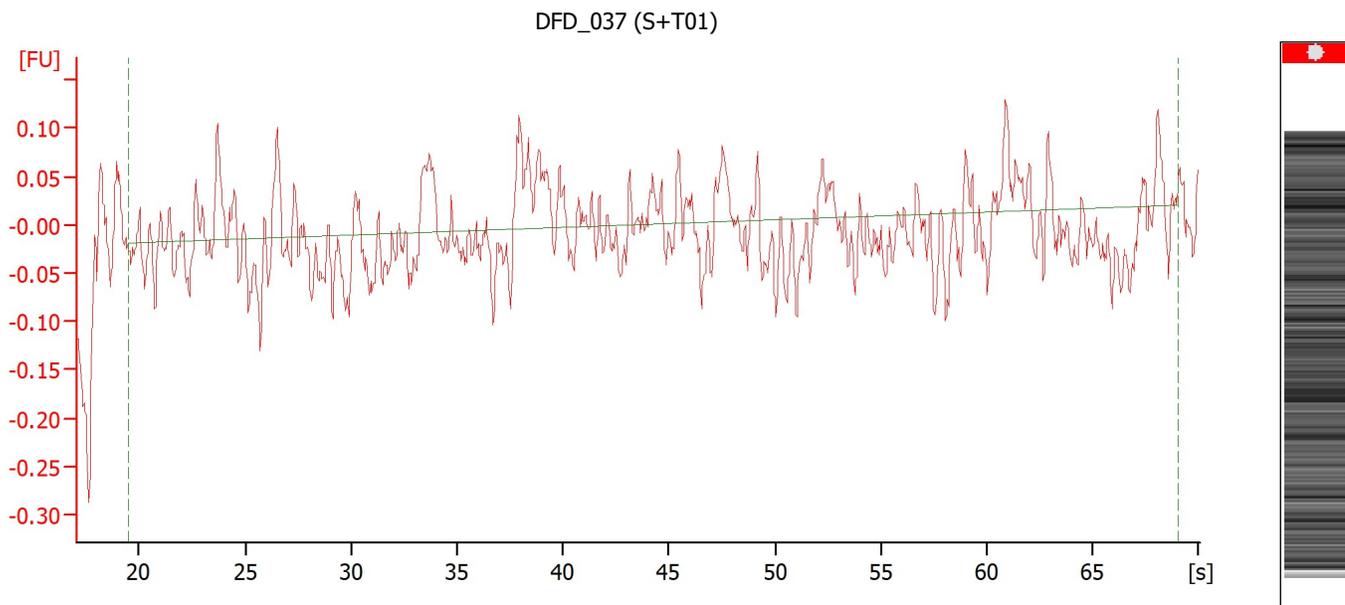
Overall Results for sample 8 : DFD_029 (NM03)

RNA Area:	222.6	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	426 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



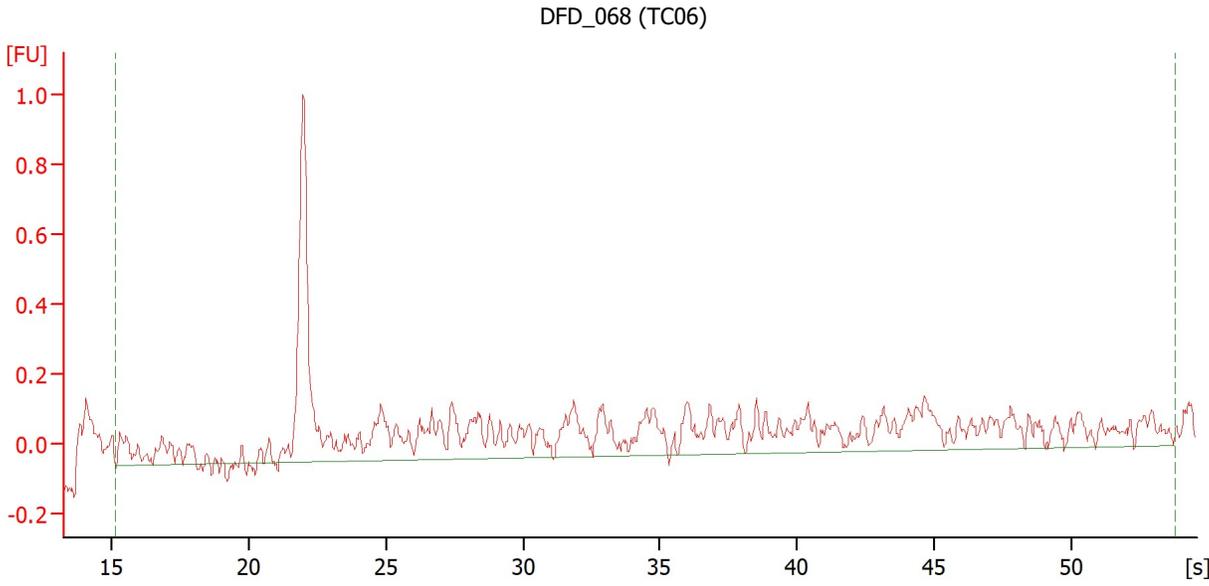
Overall Results for sample 9 : DFD_037 (S+T01)

RNA Concentration:	3 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



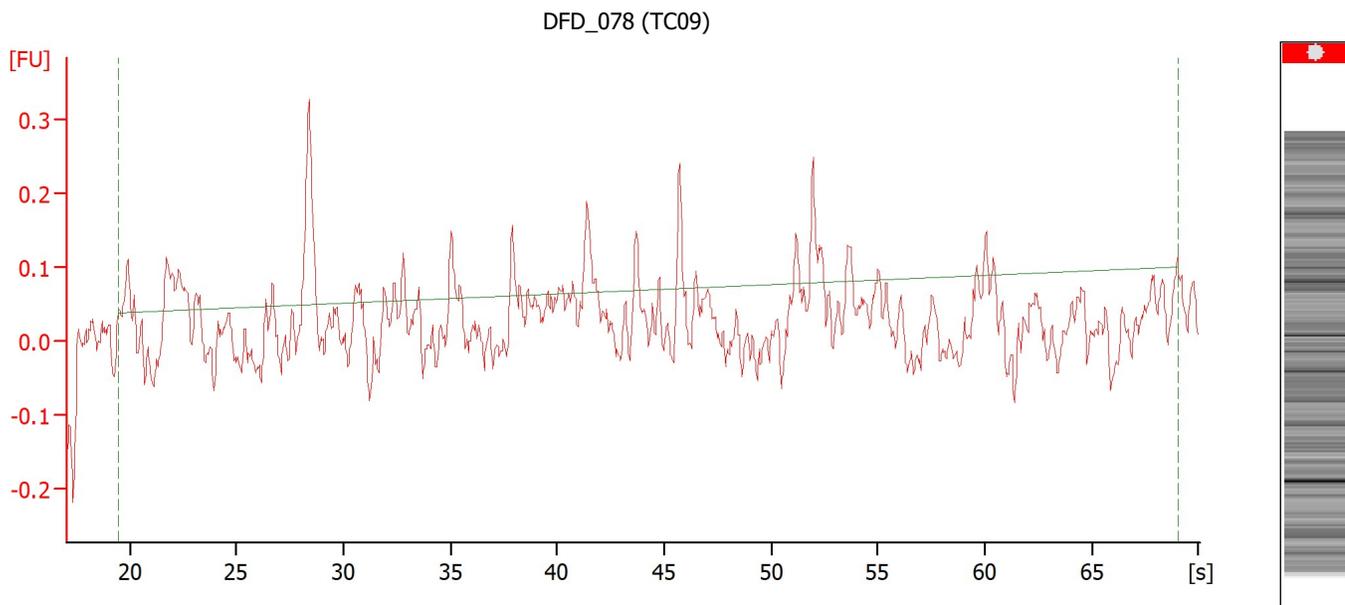
Overall Results for sample 10 : DFD_068 (TC06)

RNA Area:	7.1	RNA Integrity Number (RIN):	1.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	14 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Electropherogram Summary Continued ...



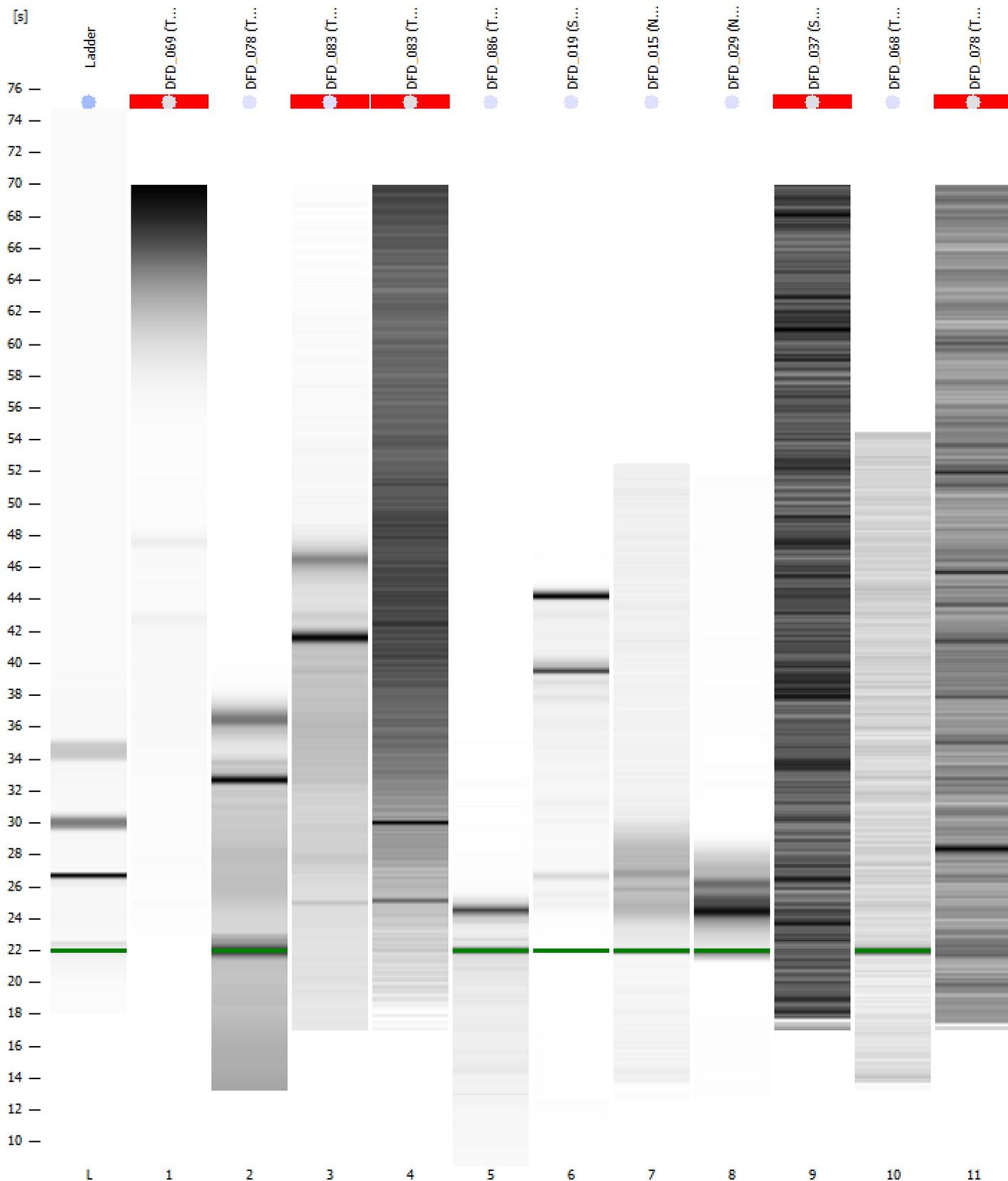
Overall Results for sample 11 : DFD_078 (TC09)

RNA Concentration:	2 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Gel Image

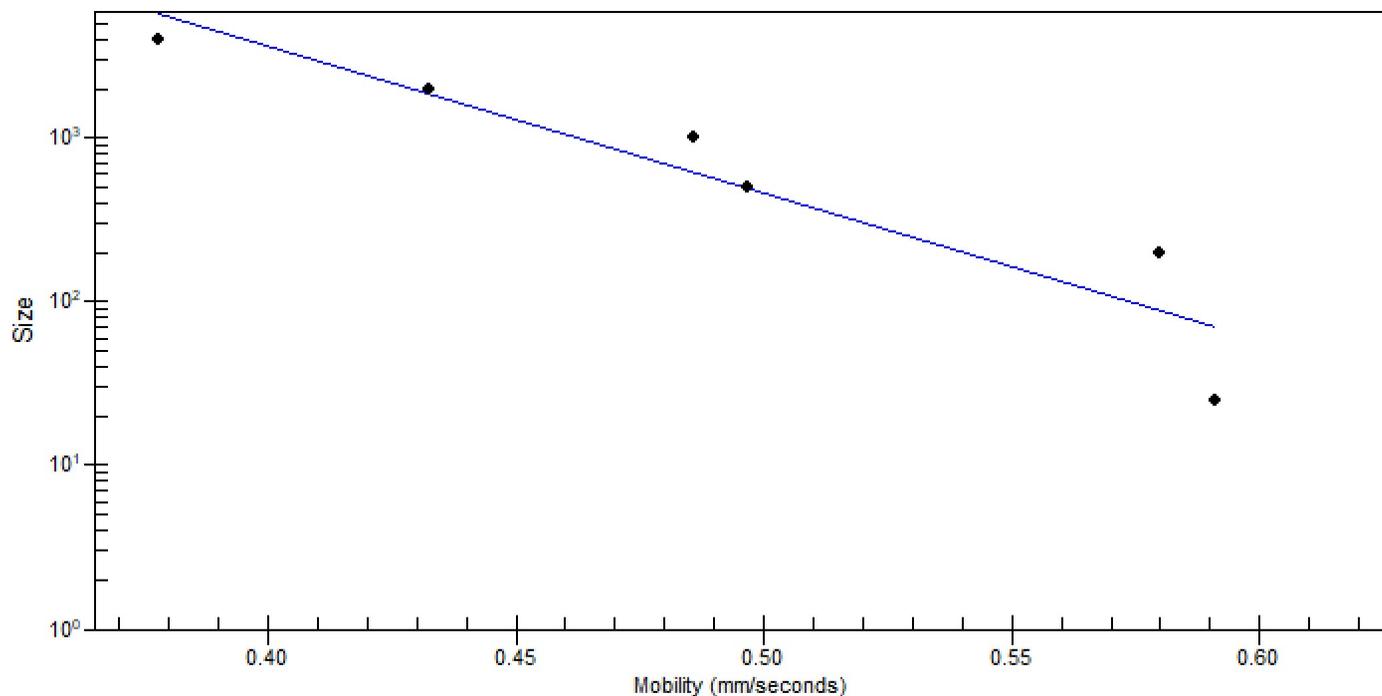


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
Modified: 12/15/2023 3:38:47 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad

Created: 12/15/2023 3:24:09 PM
 Modified: 12/15/2023 3:38:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run Completed afterUI crashed on port 1		Instrument	Run		12/15/2023 3:25:01 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\2023-12-15\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-12-15_007.xad)		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/15/2023 3:02:14 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB