

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

Created: 1/18/2024 11:44:13 AM
Modified: 1/18/2024 12:09:01 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)

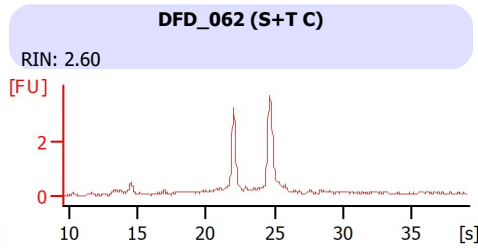
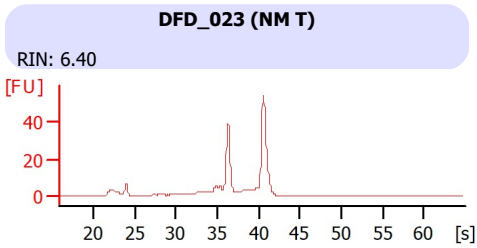
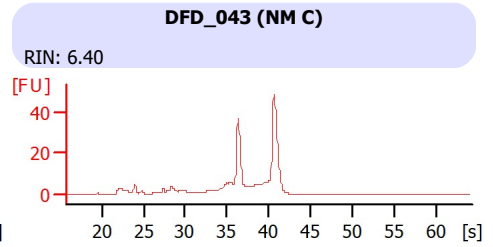
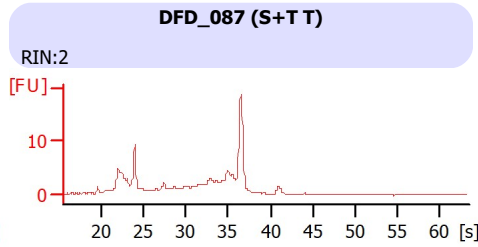
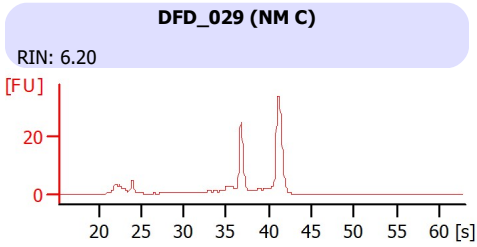
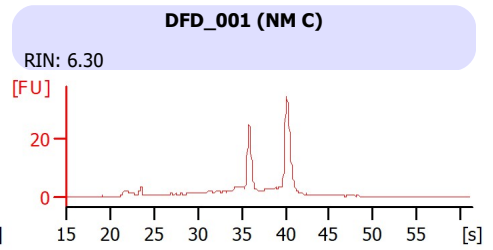
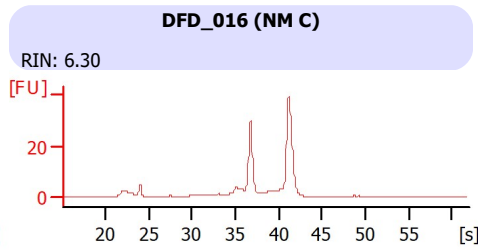
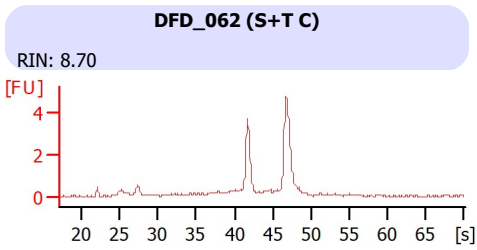
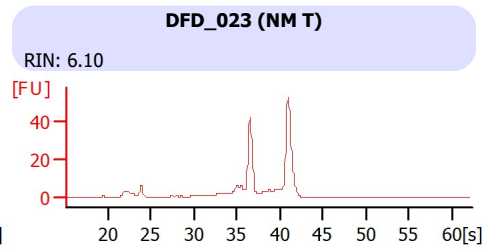
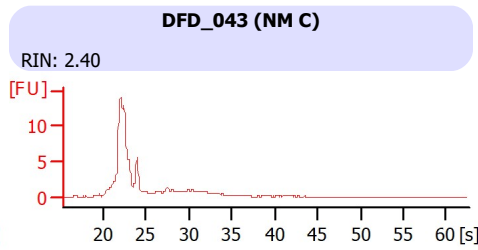
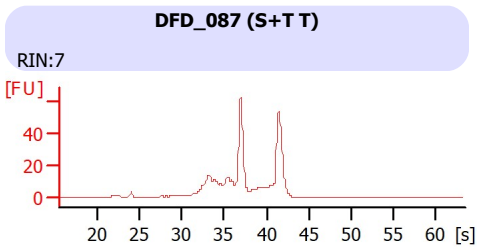
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DFD_087 (S+T T)		✓	RIN:7	
DFD_043 (NM C)		✓	RIN: 2.40	
DFD_023 (NM T)		✓	RIN: 6.10	
DFD_062 (S+T C)		✓	RIN: 8.70	
DFD_016 (NM C)		✓	RIN: 6.30	
DFD_001 (NM C)		✓	RIN: 6.30	
DFD_029 (NM C)		✓	RIN: 6.20	
DFD_087 (S+T T)		✓	RIN:2	
DFD_043 (NM C)		✓	RIN: 6.40	
DFD_023 (NM T)		✓	RIN: 6.40	
DFD_062 (S+T C)		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

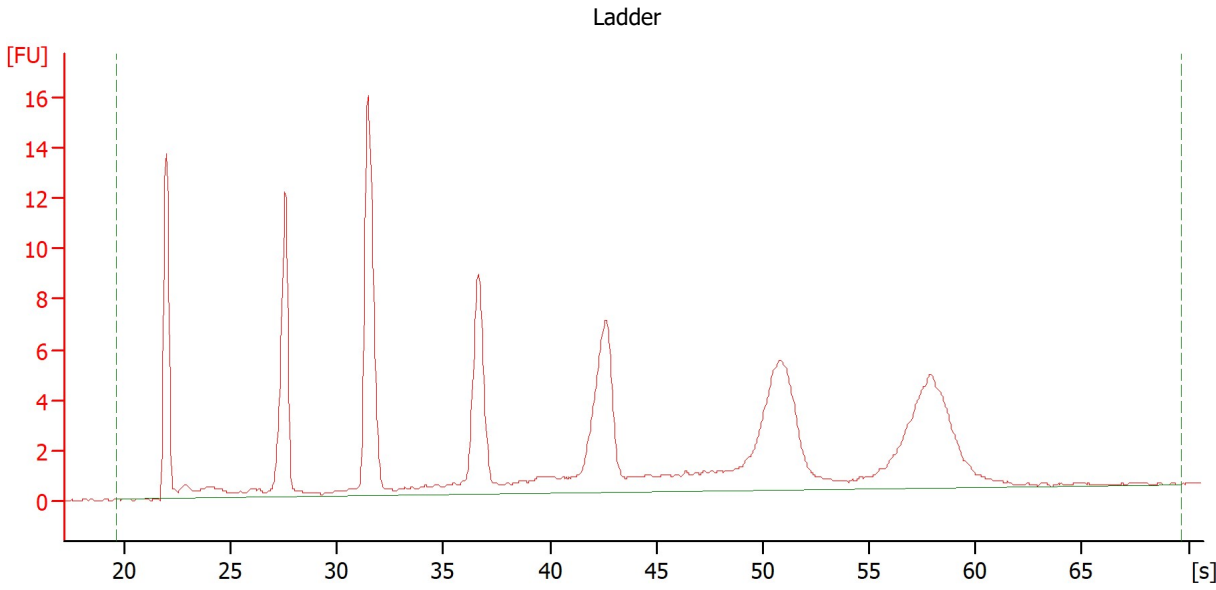
Ladder

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

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Electropherogram Summary



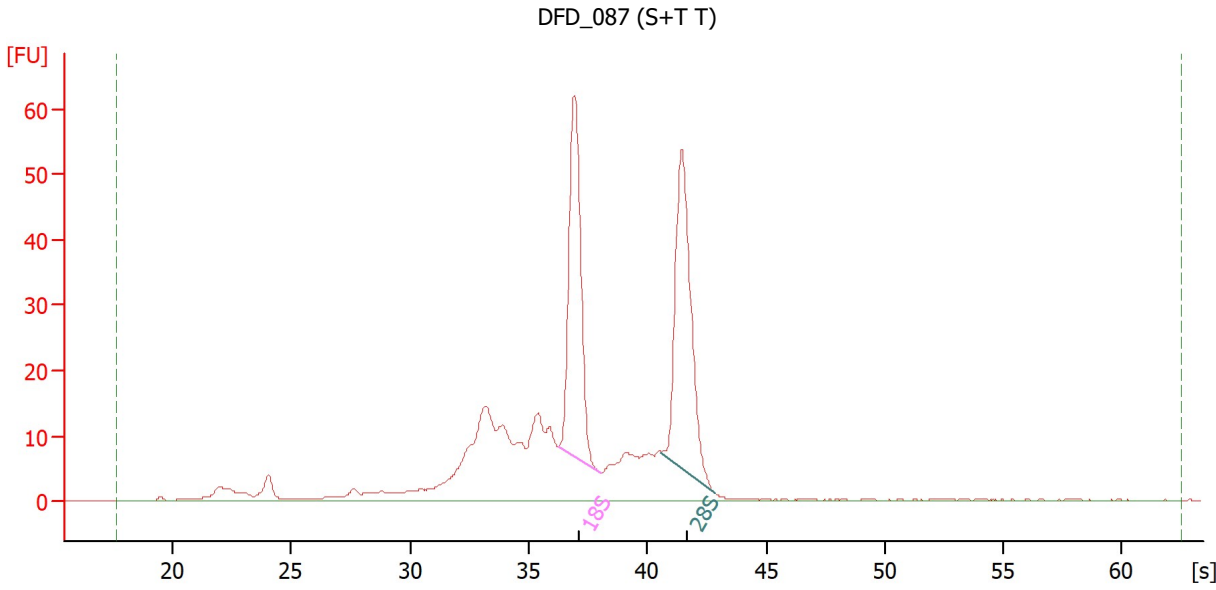
Overall Results for Ladder

RNA Area:	136.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : DFD_087 (S+T T)

RNA Area:	448.6	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	3,276 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN:7

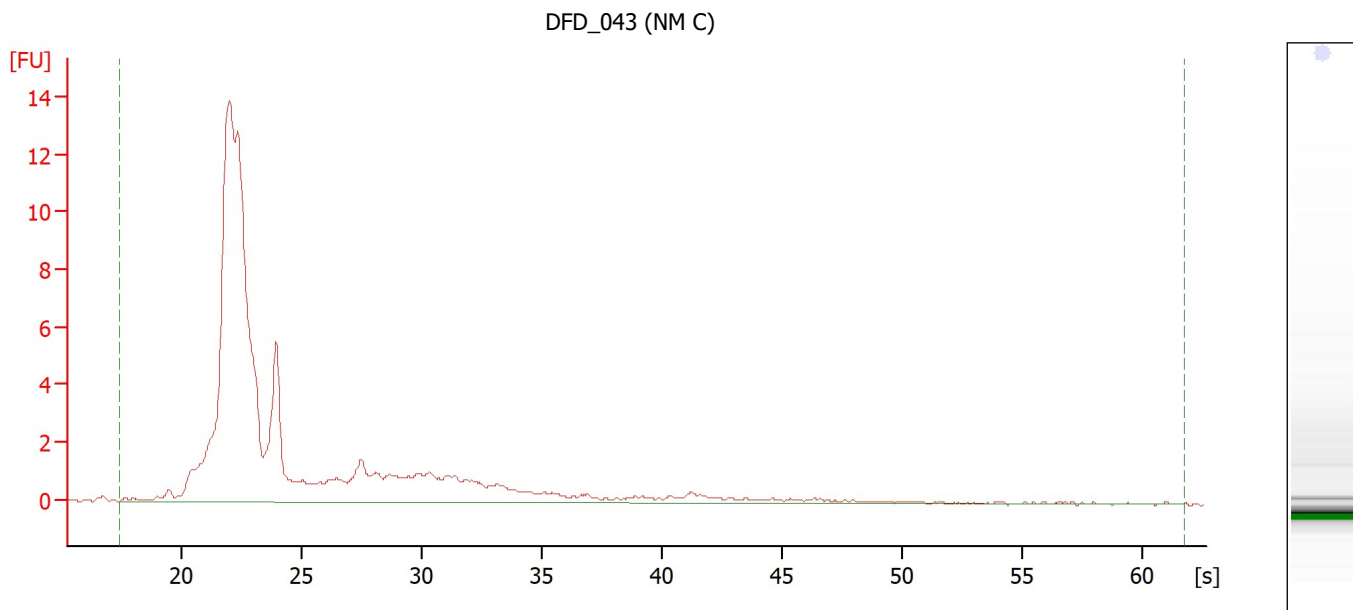
Fragment table for sample 1 : DFD_087 (S+T T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	963	1,231	86.1	19.2
28S	1,661	2,045	88.3	19.7

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Electropherogram Summary Continued ...



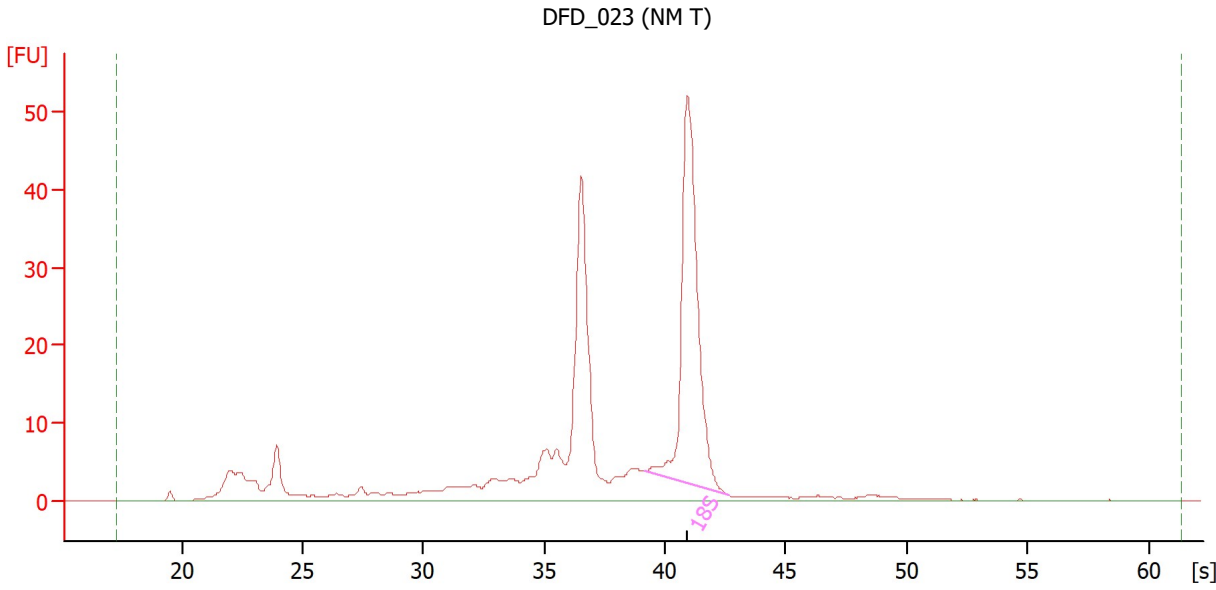
Overall Results for sample 2 : DFD_043 (NM C)

RNA Area:	44.8	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	327 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 3 : DFD_023 (NM T)

RNA Area:	302.8	RNA Integrity Number (RIN):	6.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,211 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.10

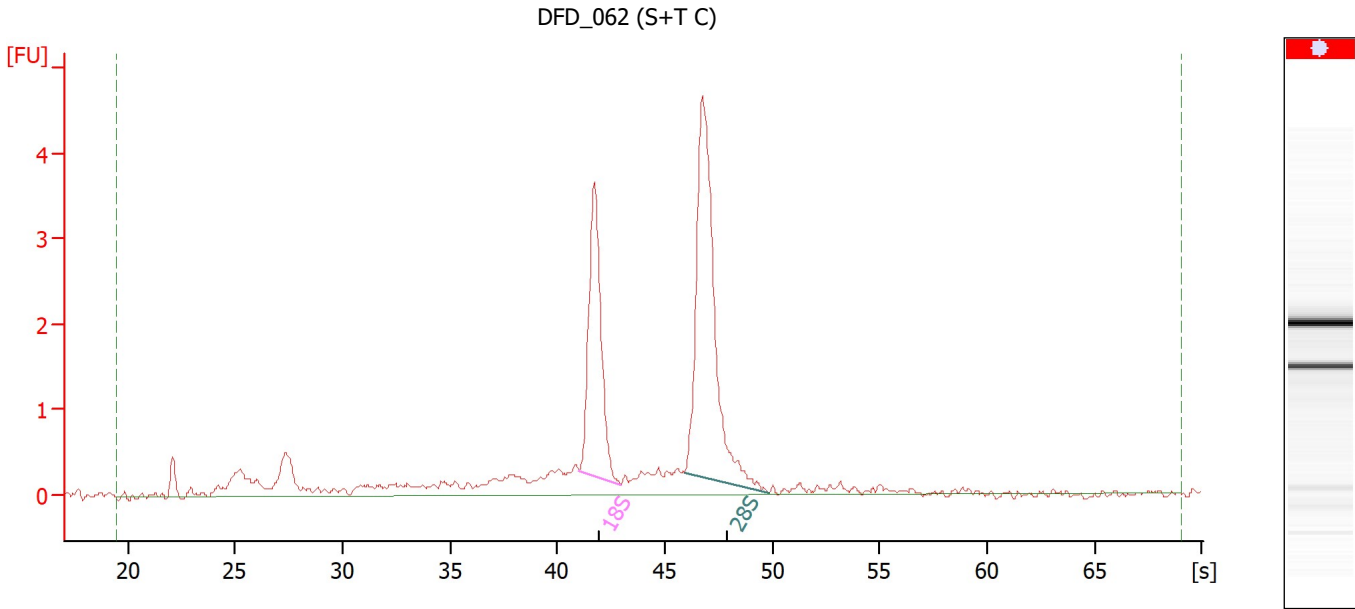
Fragment table for sample 3 : DFD_023 (NM T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,420	2,007	92.4	30.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : DFD_062 (S+T C)

RNA Area:	27.8	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	203 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.70

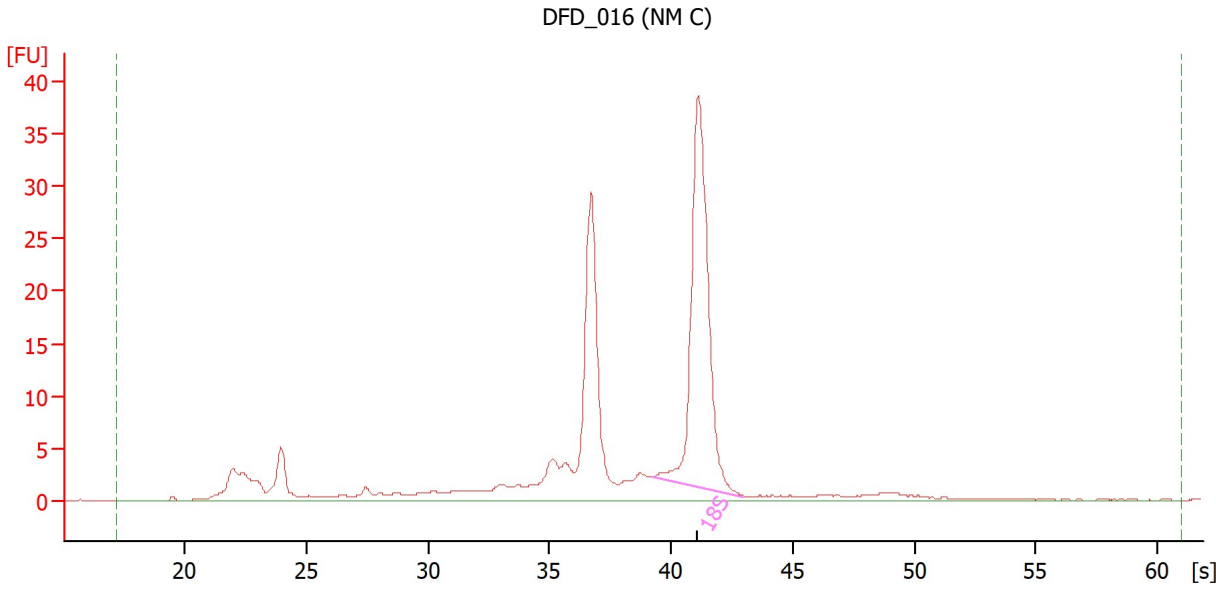
Fragment table for sample 4 : DFD_062 (S+T C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,064	5.4	19.5
28S	2,798	3,752	9.1	32.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : DFD_016 (NM C)

RNA Area:	212.0	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,549 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

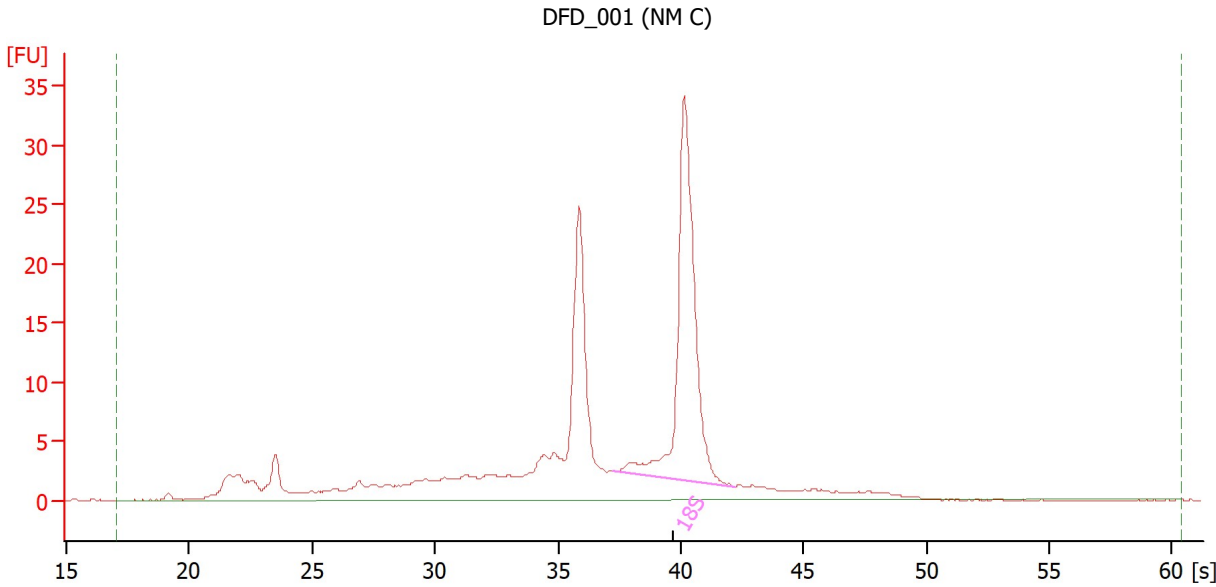
Fragment table for sample 5 : DFD_016 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,439	2,084	71.8	33.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : DFD_001 (NM C)

RNA Area:	220.6	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,611 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.30

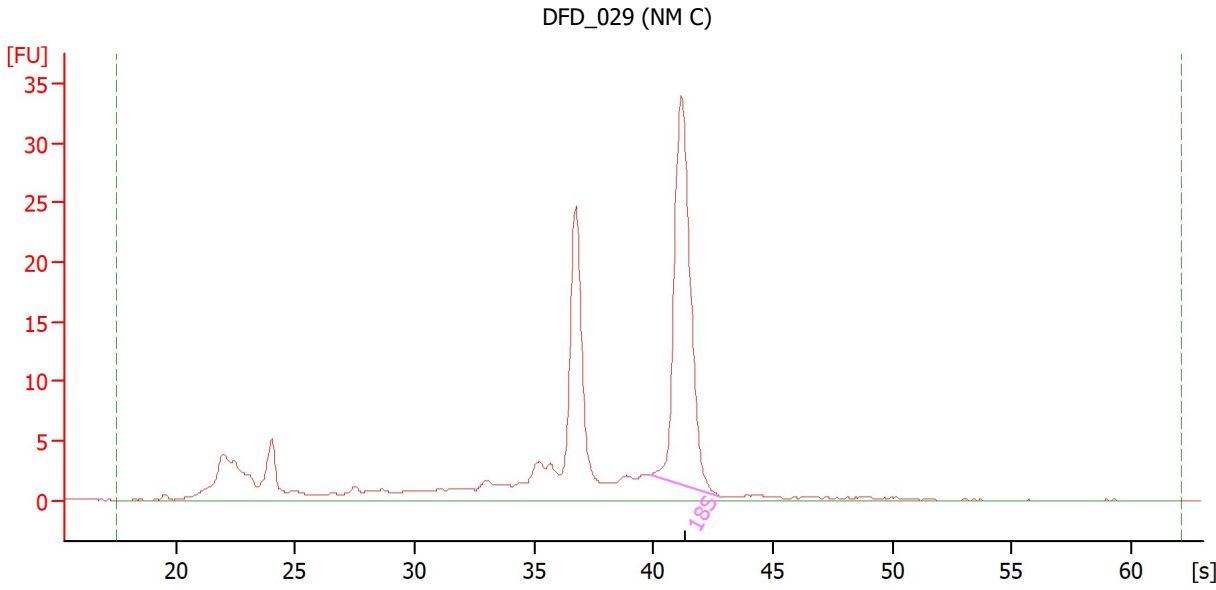
Fragment table for sample 6 : DFD_001 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,105	1,928	64.0	29.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : DFD_029 (NM C)

RNA Area:	180.2	RNA Integrity Number (RIN):	6.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,317 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.20

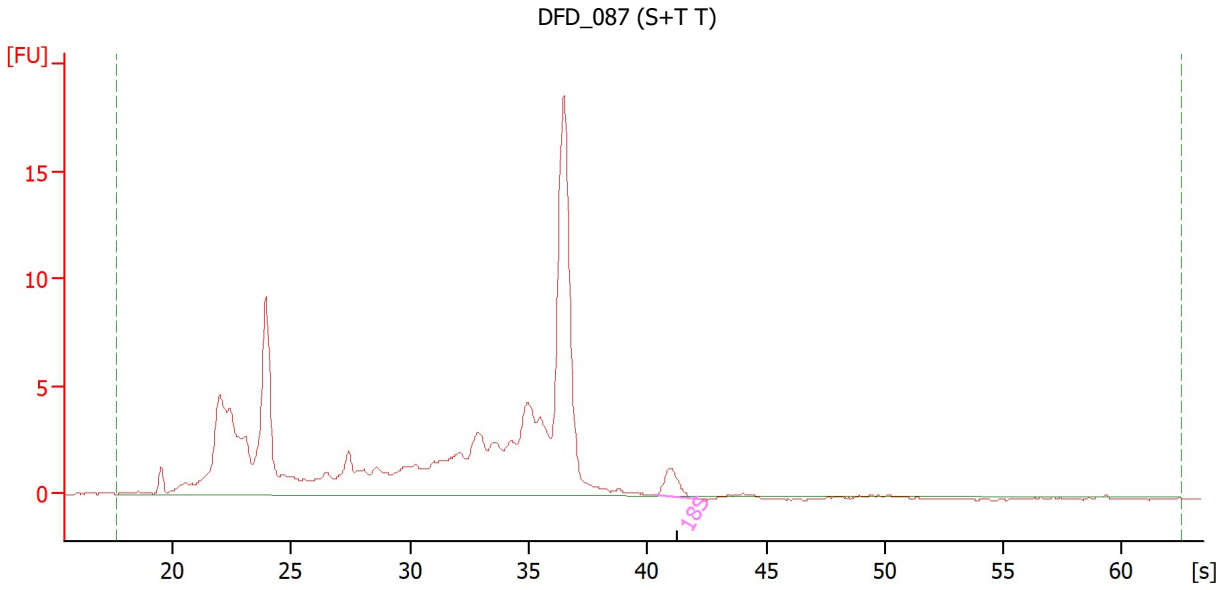
Fragment table for sample 7 : DFD_029 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	2,047	61.4	34.1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 8 : DFD_087 (S+T T)

RNA Area:	115.2	RNA Integrity Number (RIN):	2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	841 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

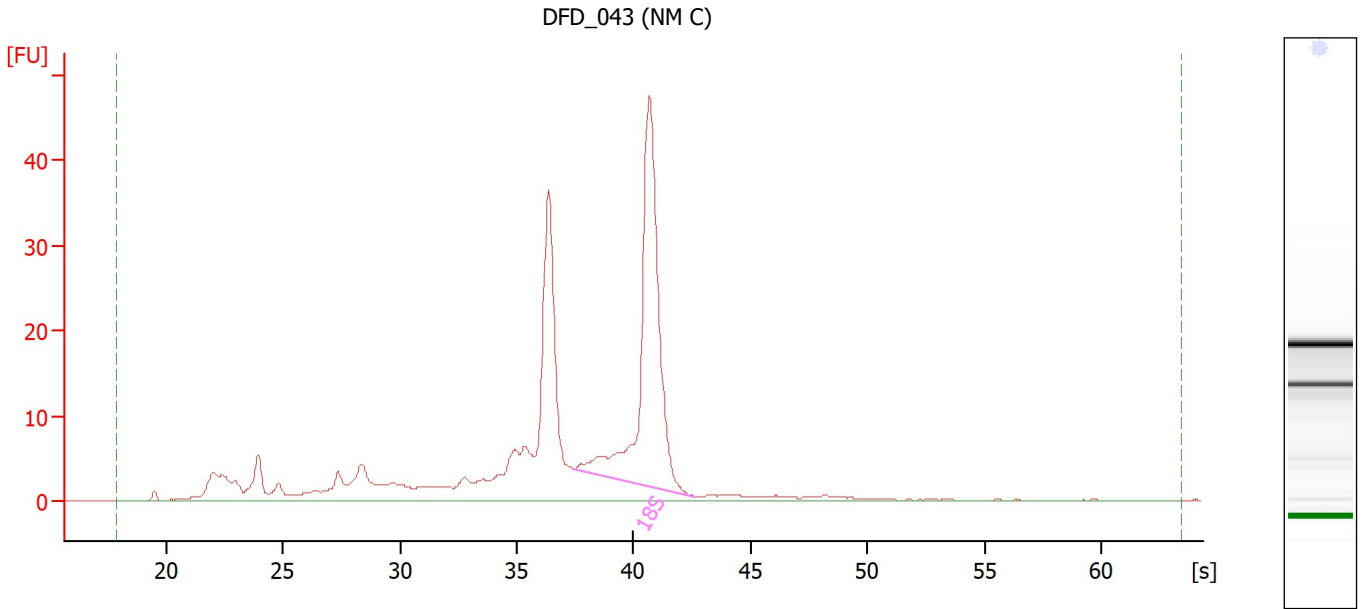
Fragment table for sample 8 : DFD_087 (S+T T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,917	2.2	1.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : DFD_043 (NM C)

RNA Area:	309.5	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,260 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.40

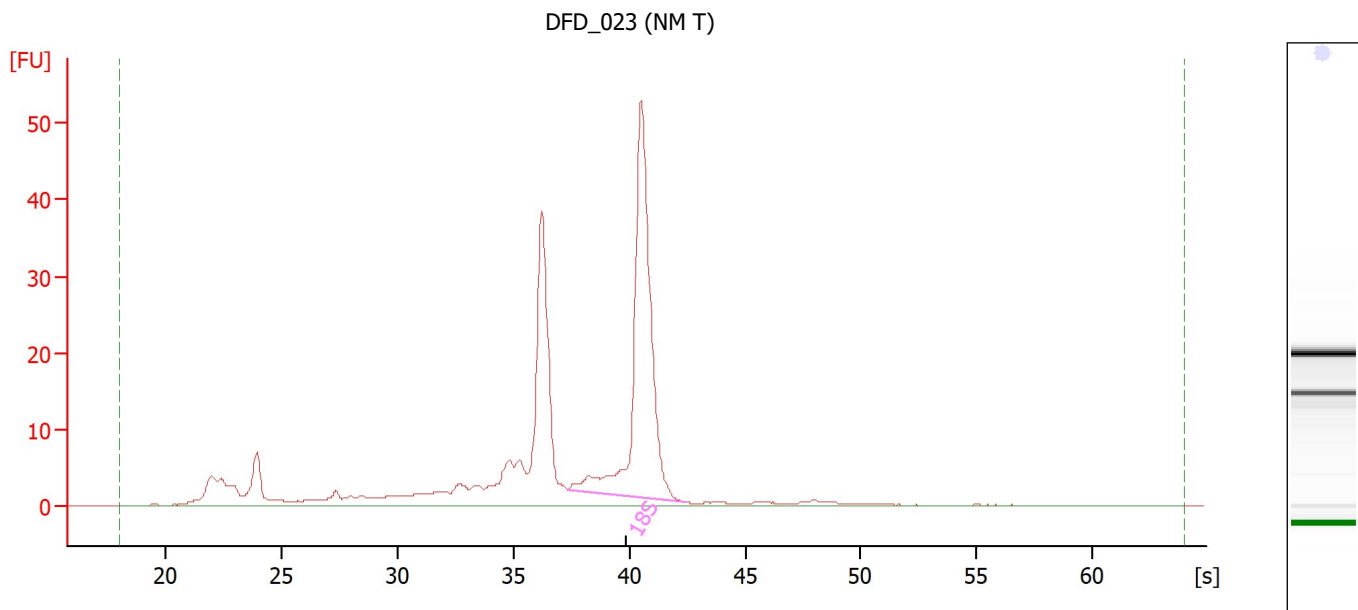
Fragment table for sample 9 : DFD_043 (NM C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,133	1,997	98.4	31.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

Created: 1/18/2024 11:44:13 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : DFD_023 (NM T)

RNA Area:	289.8	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,117 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

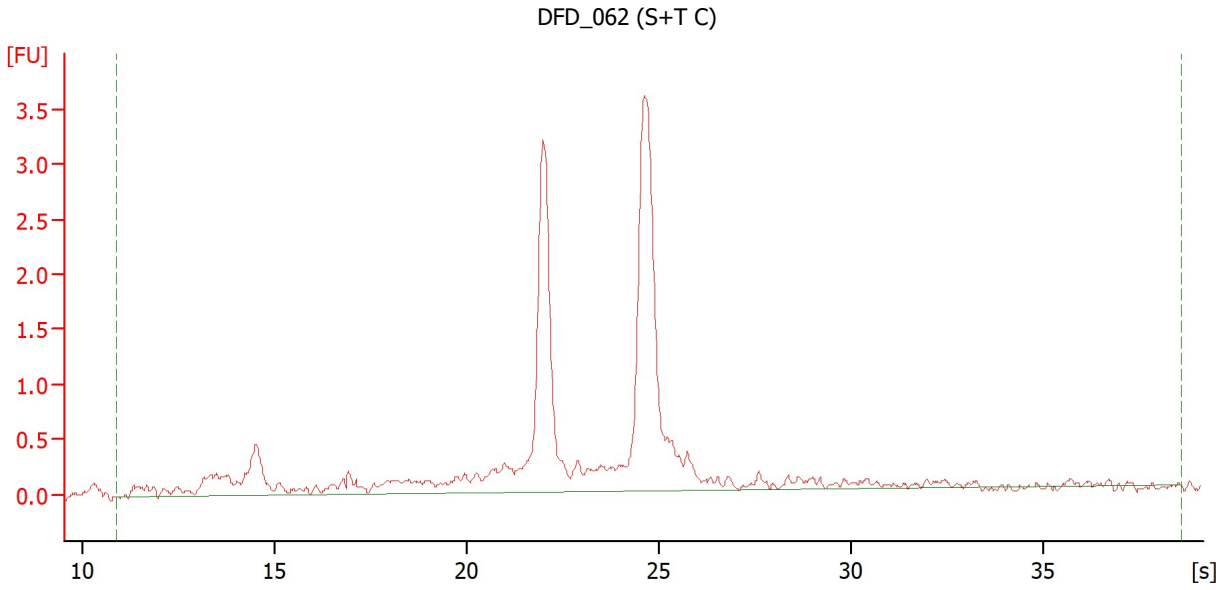
Fragment table for sample 10 : DFD_023 (NM T)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,116	1,964	106.3	36.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

Created: 1/18/2024 11:44:13 AM
Modified: 1/18/2024 12:09:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DFD_062 (S+T C)

RNA Area:	18.0	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	131 pg/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_2024-01-18_001.xad

Created: 1/18/2024 11:44:13 AM
Modified: 1/18/2024 12:09:01 PM

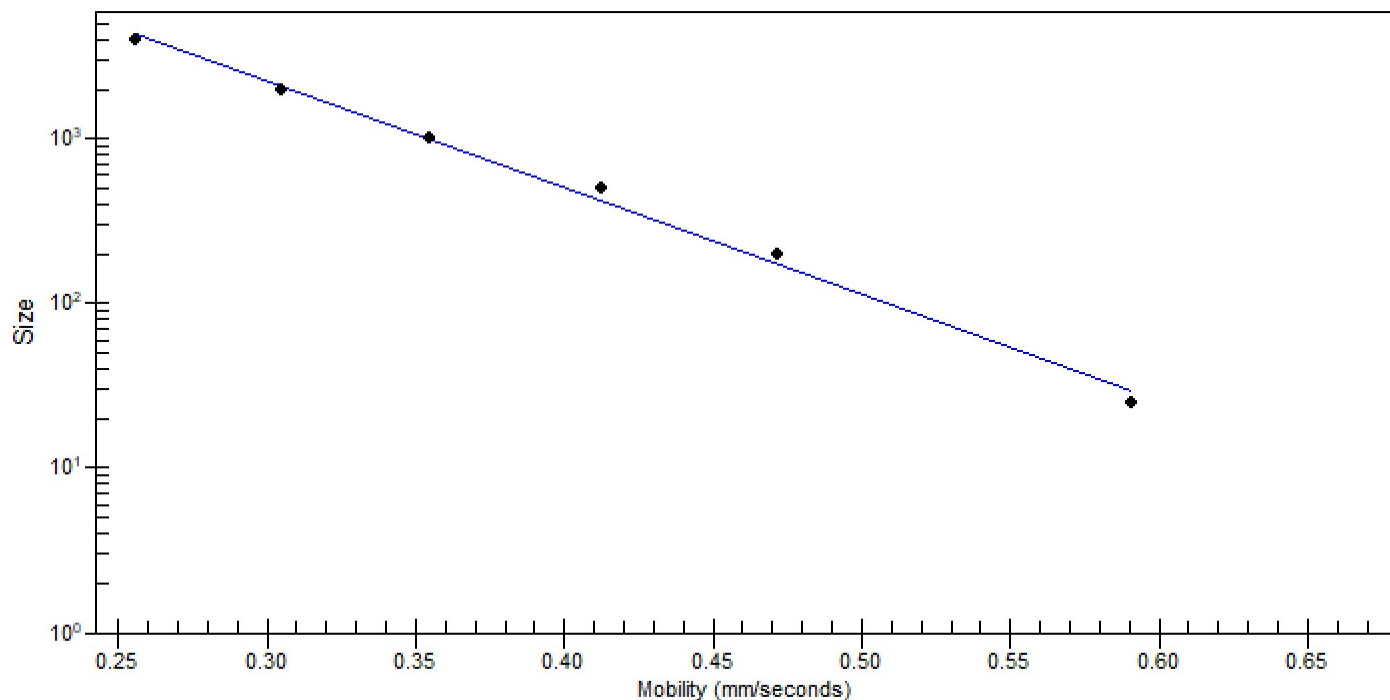
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad

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Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
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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		1/18/2024 12:07:13 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\2024-01-18\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-01-18_001.xad)		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/18/2024 11:44:20 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/18/2024 11:44:19 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB