

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad

Created: 8/1/2023 10:49:02 AM
Modified: 8/1/2023 11:33:53 AM

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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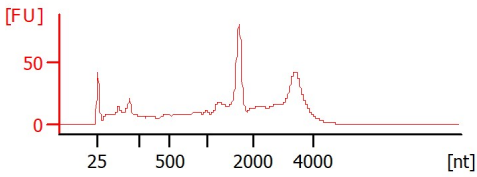
Chip Information:

Chip Lot #:

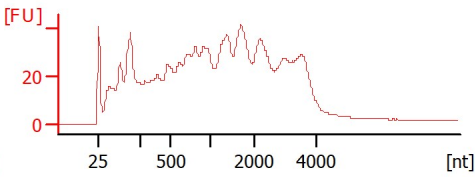
Reagent Kit Lot #:

Chip Comments:

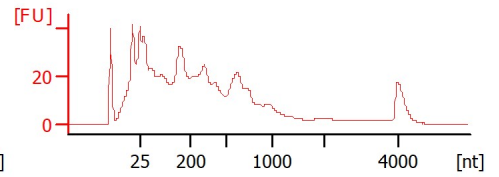
QC1522-99
CANTE_41
RIN: 7



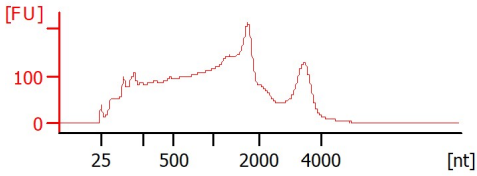
QC1522-100
CANTE_42
RIN: 3.30



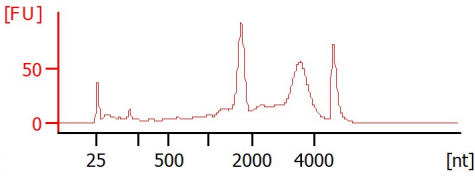
QC1522-101
CANTE_43
RIN: 2.60



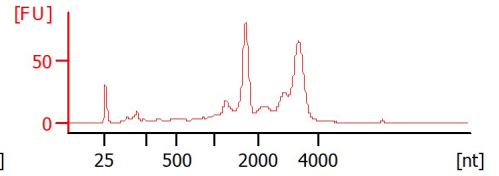
QC1522-102
CANTE_44
RIN: 6.30



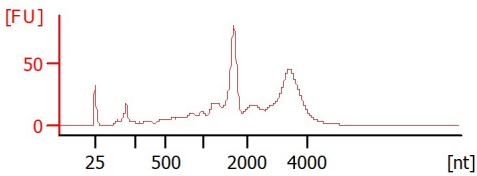
QC1522-103
CANTE_45
RIN: 8.80



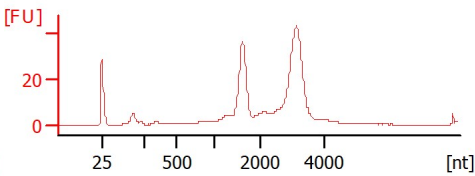
QC1522-104
CANTE_46
RIN: 8.10



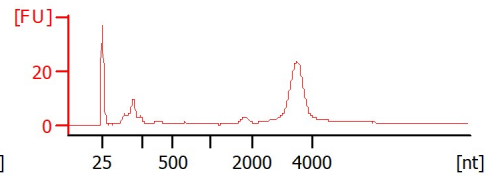
QC1522-105
CANTE_47
RIN: 7.90



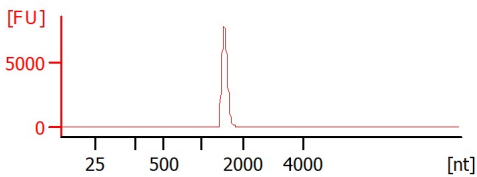
QC1522-106
CANTE_48
RIN: 9.50



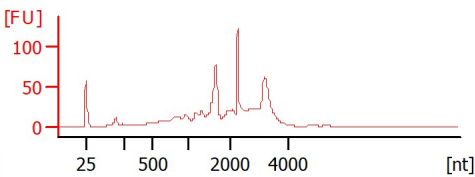
QC1522-107
CANTE_49
RIN: 8.10



QC1522-108
CANTE_50
RIN: 10



QC1522-109
CANTE_51
RIN: 6.60



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1522-99	CANTE_41	✓	RIN:7	
QC1522-100	CANTE_42	✓	RIN: 3.30	
QC1522-101	CANTE_43	✓	RIN: 2.60	
QC1522-102	CANTE_44	✓	RIN: 6.30	
QC1522-103	CANTE_45	✓	RIN: 8.80	
QC1522-104	CANTE_46	✓	RIN: 8.10	
QC1522-105	CANTE_47	✓	RIN: 7.90	
QC1522-106	CANTE_48	✓	RIN: 9.50	
QC1522-107	CANTE_49	✓	RIN: 8.10	
QC1522-108	CANTE_50	✓	RIN:10	
QC1522-109	CANTE_51	✓	RIN: 6.60	
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

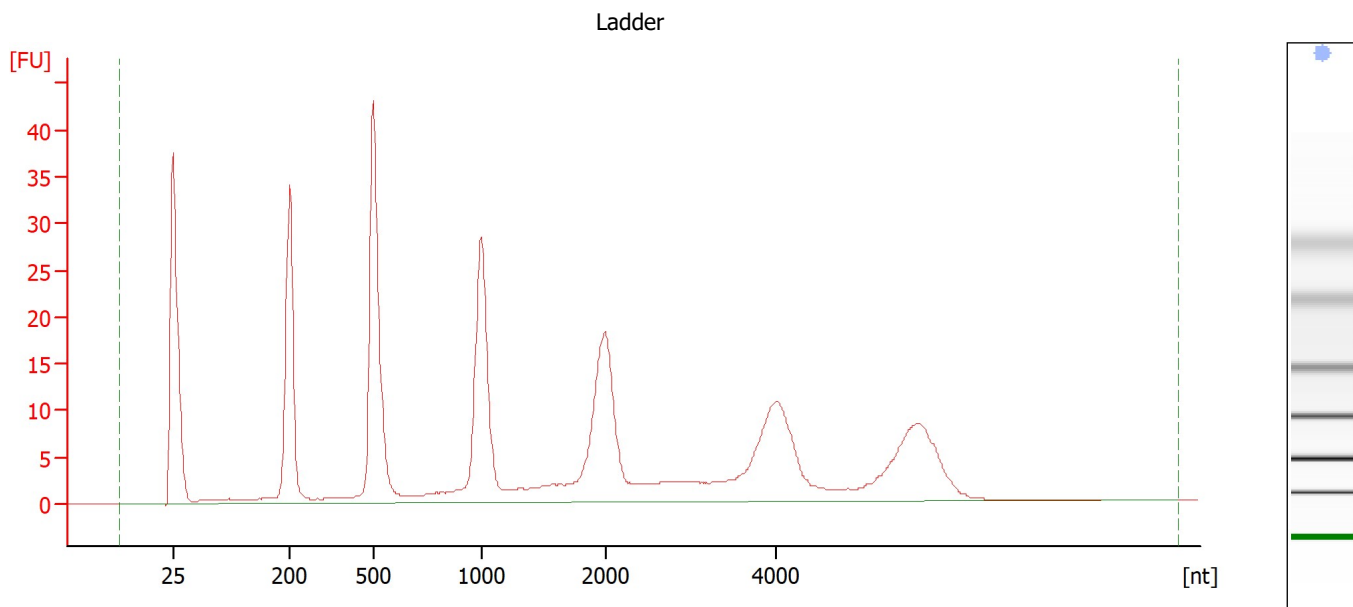
Ladder

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

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Electropherogram Summary



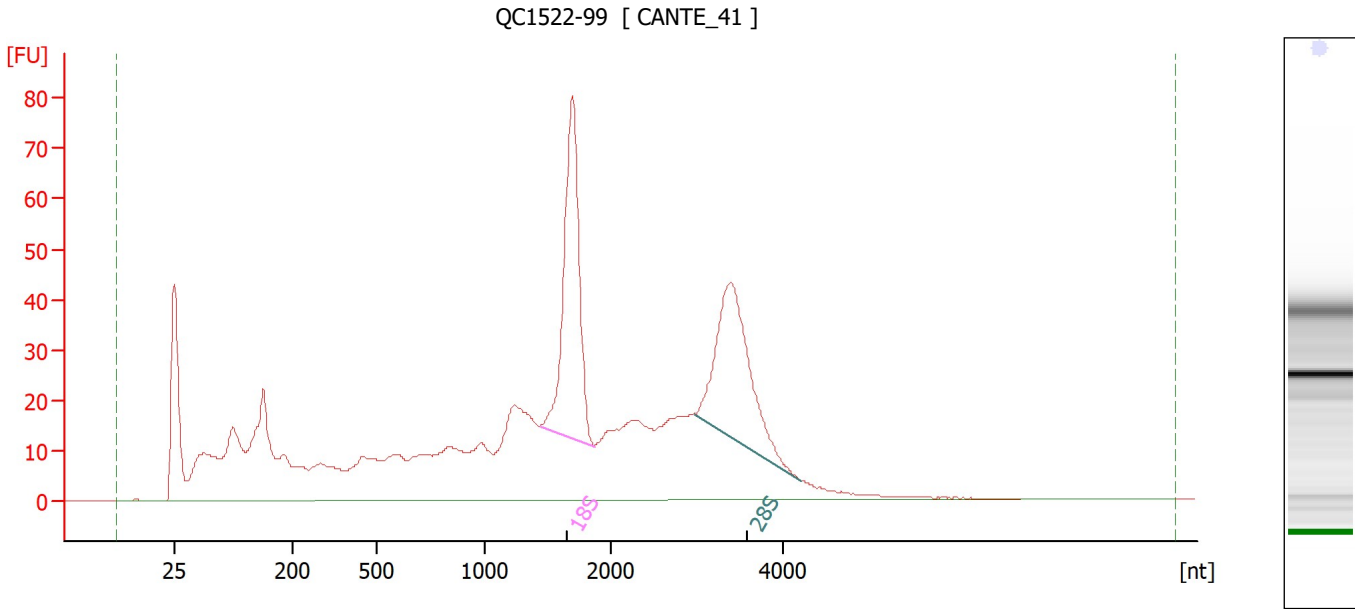
Overall Results for Ladder

RNA Area:	367.2	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 : QC1522-99

RNA Area:	1,141.7	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	3,109 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN:7

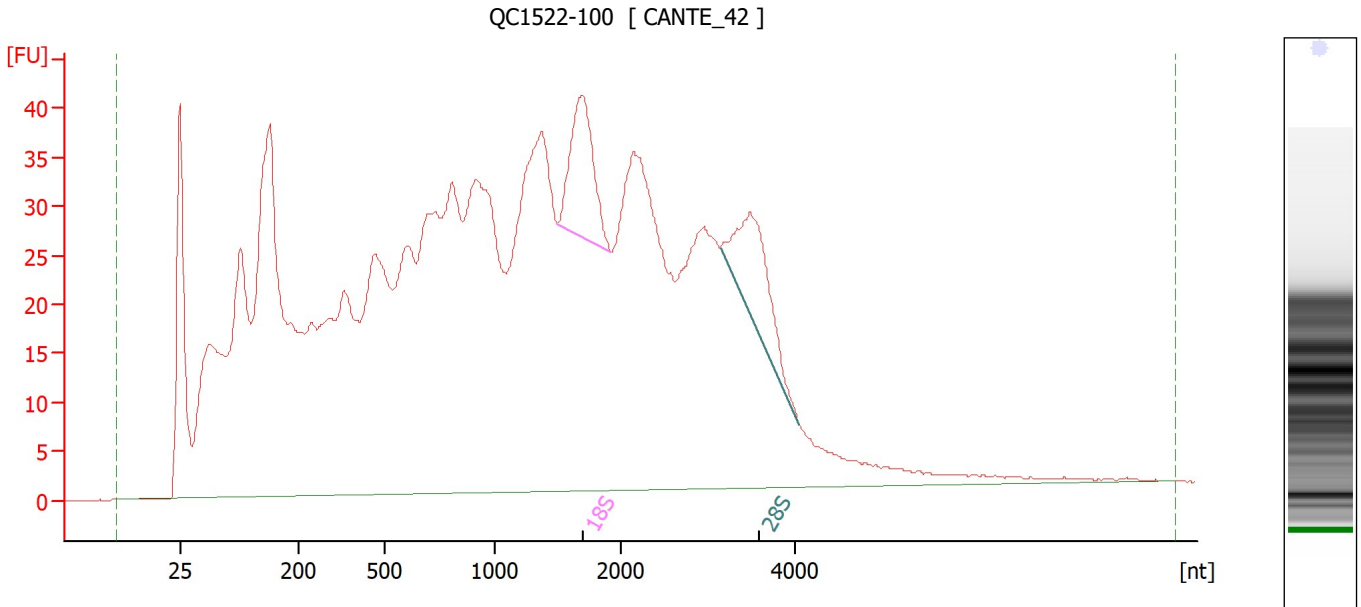
Fragment table for sample 1 : QC1522-99

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,438	1,874	135.6	11.9
28S	2,982	4,221	115.5	10.1

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Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1522-100

RNA Area:	1,970.3	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	5,366 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 3.30

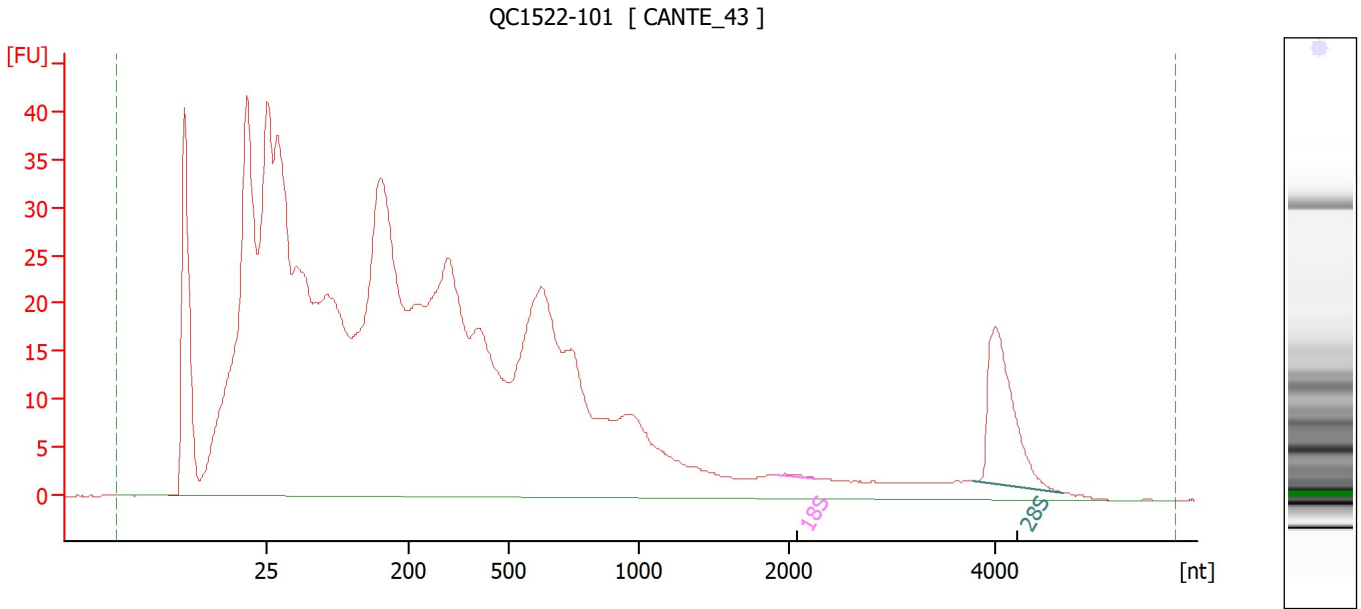
Fragment table for sample 2 : QC1522-100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,930	43.3	2.2
28S	3,148	4,042	39.4	2.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad

Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1522-101

RNA Area:	1,204.1	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,279 pg/μl		
rRNA Ratio [28s / 18s]:	62.8	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.60

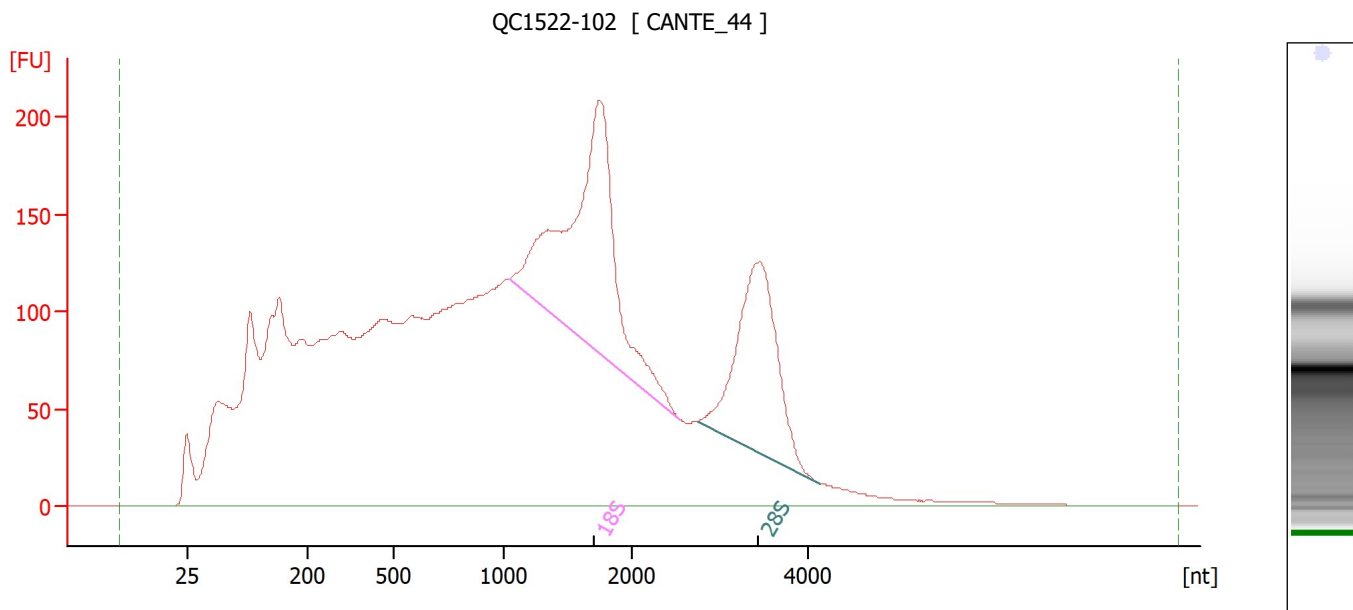
Fragment table for sample 3 : QC1522-101

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,917	2,284	0.6	0.0
28S	3,796	4,666	36.8	3.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad

Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1522-102

RNA Area:	7,379.0	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	20,096 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.30

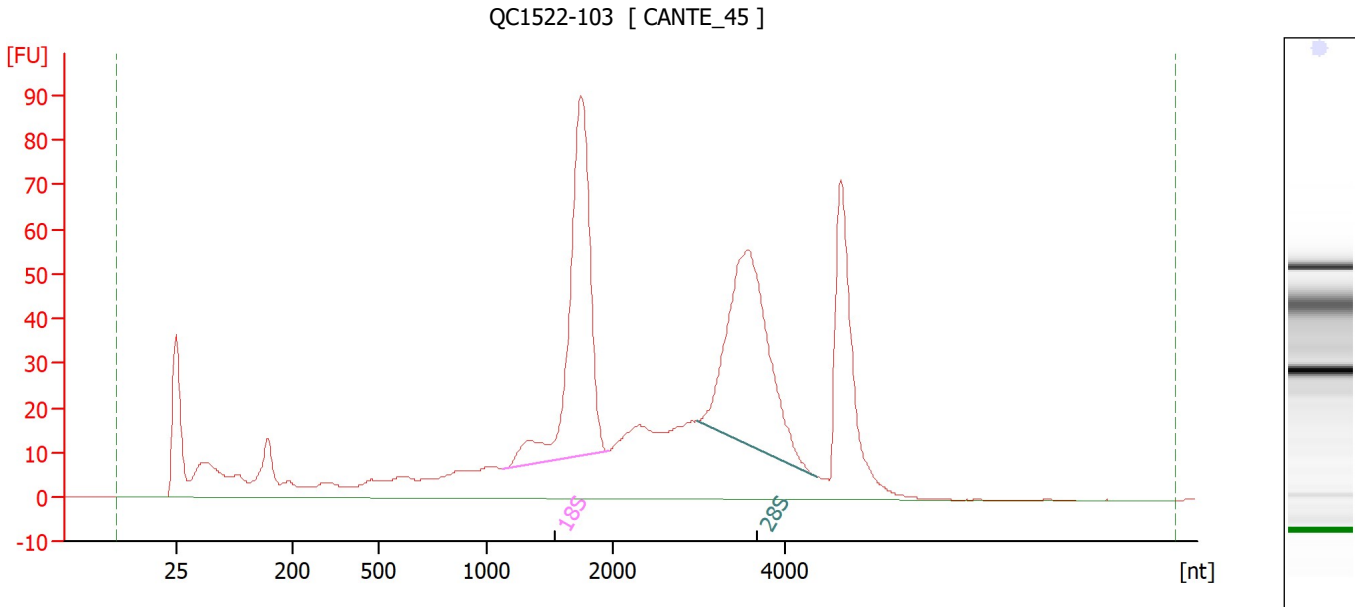
Fragment table for sample 4 : QC1522-102

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,037	2,547	768.5	10.4
28S	2,741	4,149	439.3	6.0

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Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1522-103

RNA Area:	1,156.2	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	3,149 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.80

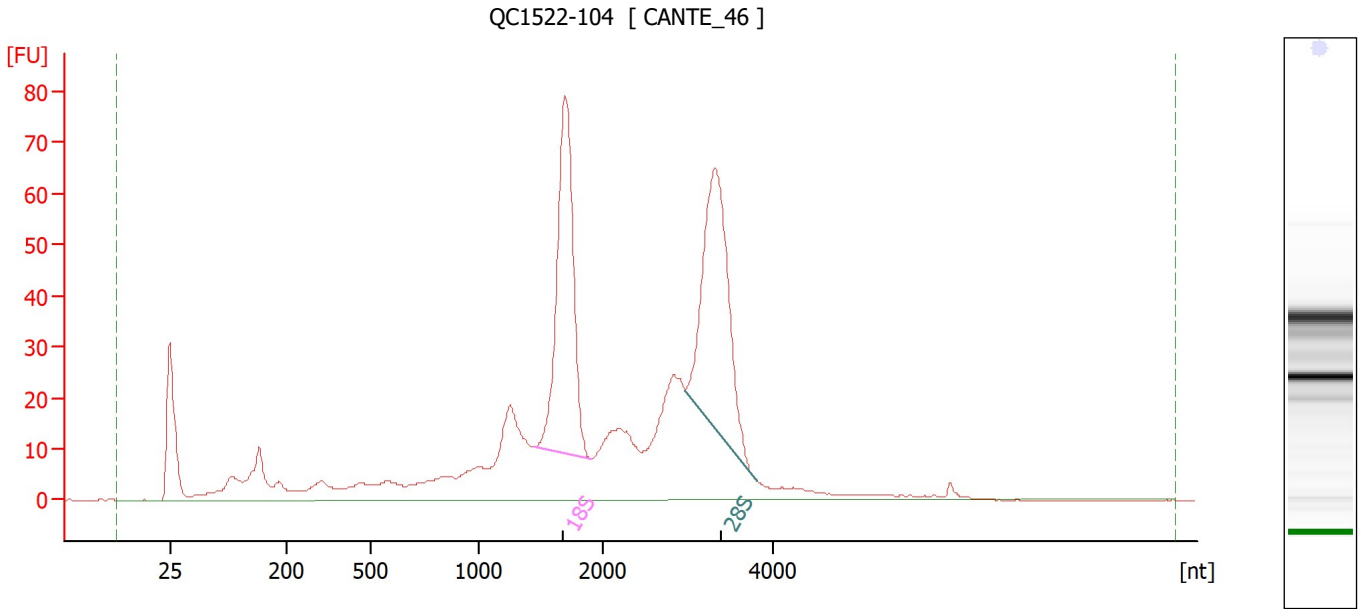
Fragment table for sample 5 : QC1522-103

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,134	1,969	223.4	19.3
28S	2,981	4,365	202.4	17.5

Assay Class: Eukaryote Total RNA Pico
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Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1522-104

RNA Area:	848.0	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	2,309 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.10

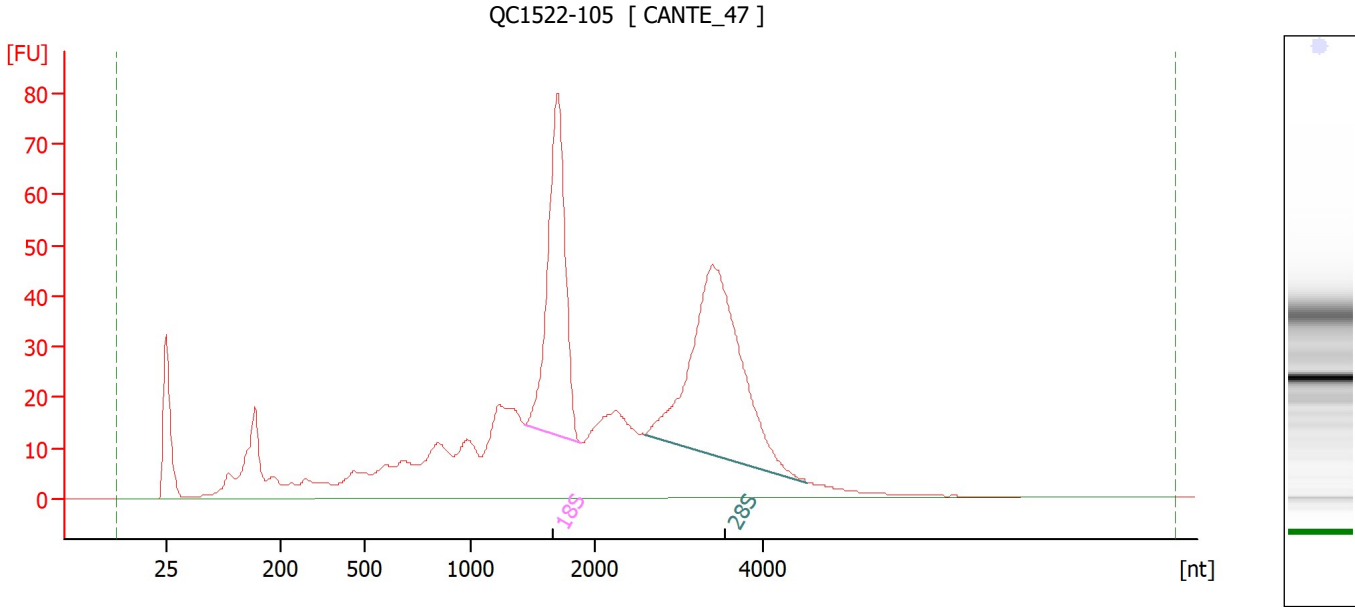
Fragment table for sample 6 : QC1522-104

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,905	152.3	18.0
28S	2,975	3,812	149.0	17.6

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Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1522-105

RNA Area:	1,030.5	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	2,806 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

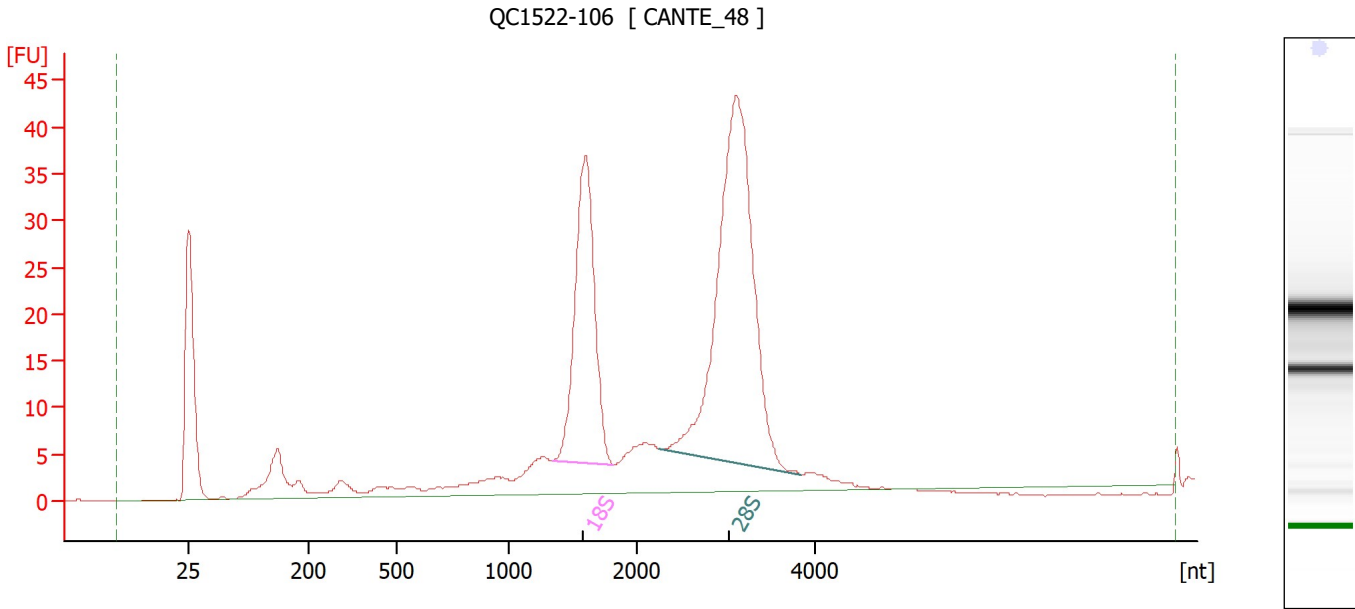
Fragment table for sample 7 : QC1522-105

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	1,892	157.3	15.3
28S	2,601	4,518	216.6	21.0

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Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1522-106

RNA Area:	401.1	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	1,092 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.50

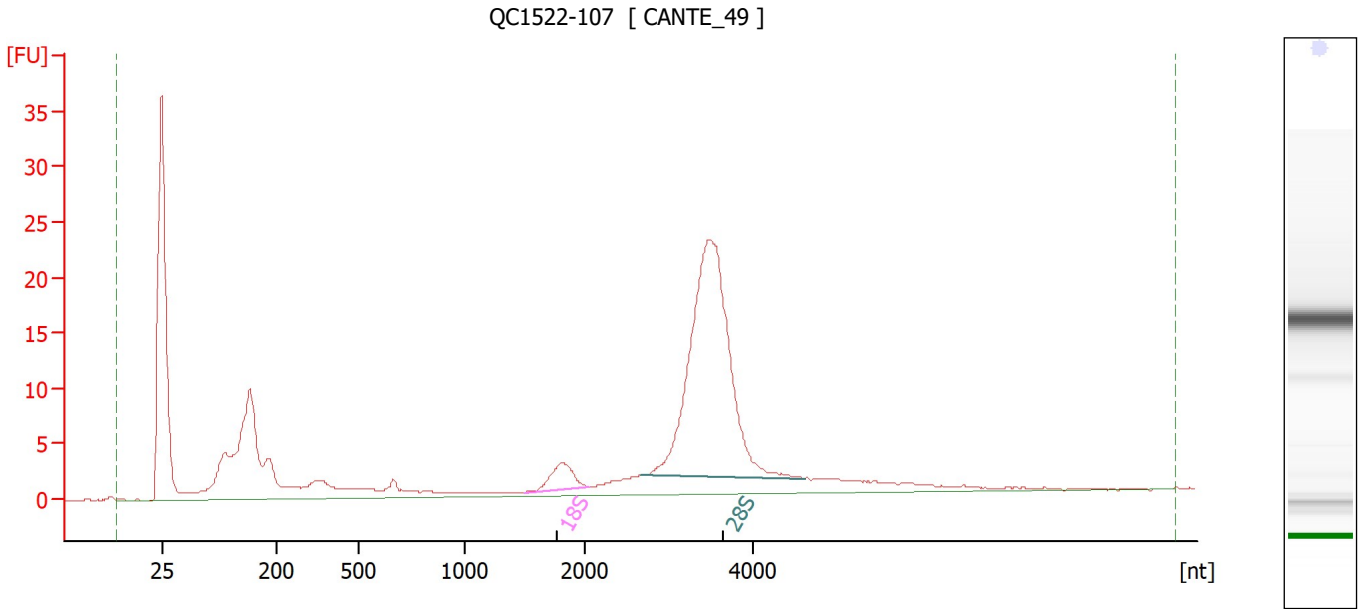
Fragment table for sample 8 : QC1522-106

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,339	1,820	83.6	20.8
28S	2,257	3,846	156.2	39.0

Assay Class: Eukaryote Total RNA Pico
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Created: 8/1/2023 10:49:02 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1522-107

RNA Area:	231.2	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	630 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	13.9	Result Flagging Label:	RIN: 8.10

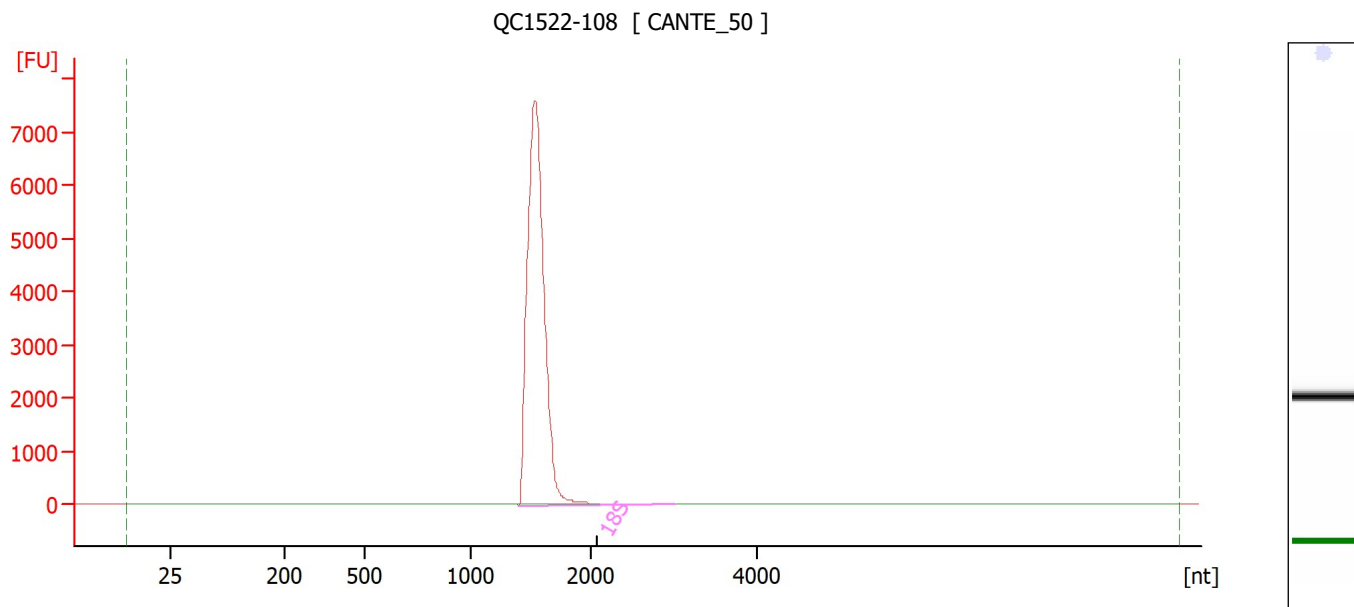
Fragment table for sample 9 : QC1522-107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	2,042	7.0	3.0
28S	2,653	4,601	96.9	41.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad

Created: 8/1/2023 10:49:02 AM
 Modified: 8/1/2023 11:33:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1522-108

RNA Area:	18,251.8	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	49,706 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:10

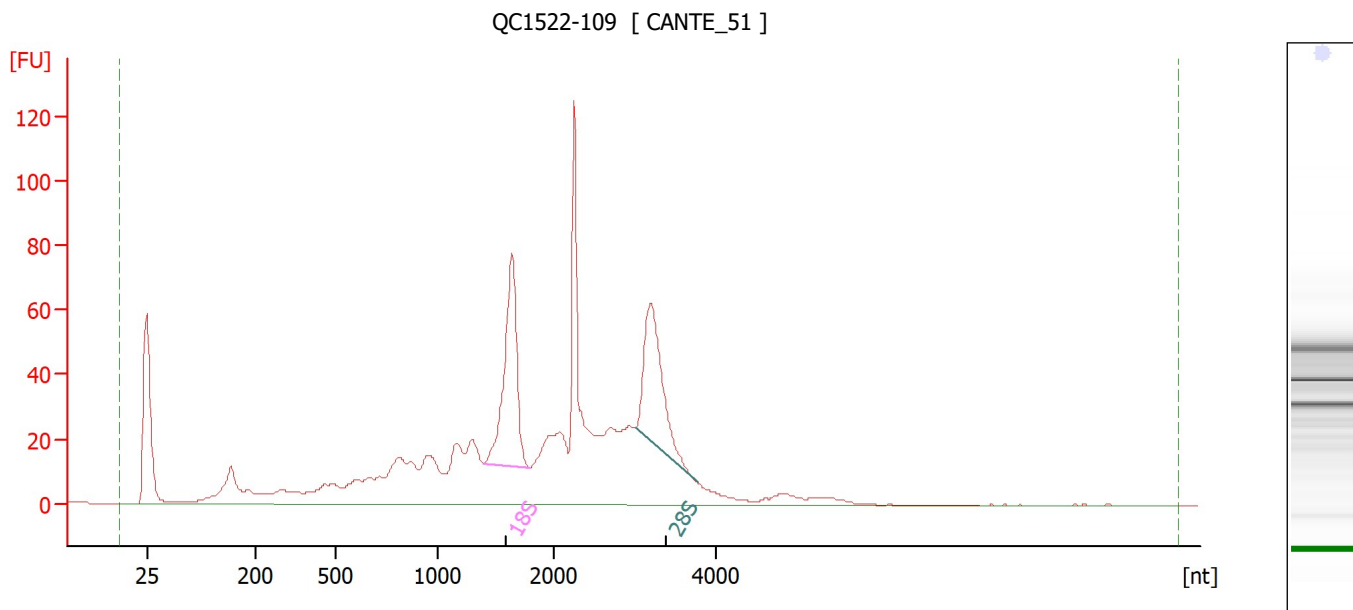
Fragment table for sample 10 : QC1522-108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,403	2,998	18,067.0	99.0

Assay Class: Eukaryote Total RNA Pico
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Created: 8/1/2023 10:49:02 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1522-109

RNA Area:	1,065.2	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	2,901 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.60

Fragment table for sample 11 : QC1522-109

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,405	1,789	116.7	11.0
28S	3,006	3,775	96.9	9.1

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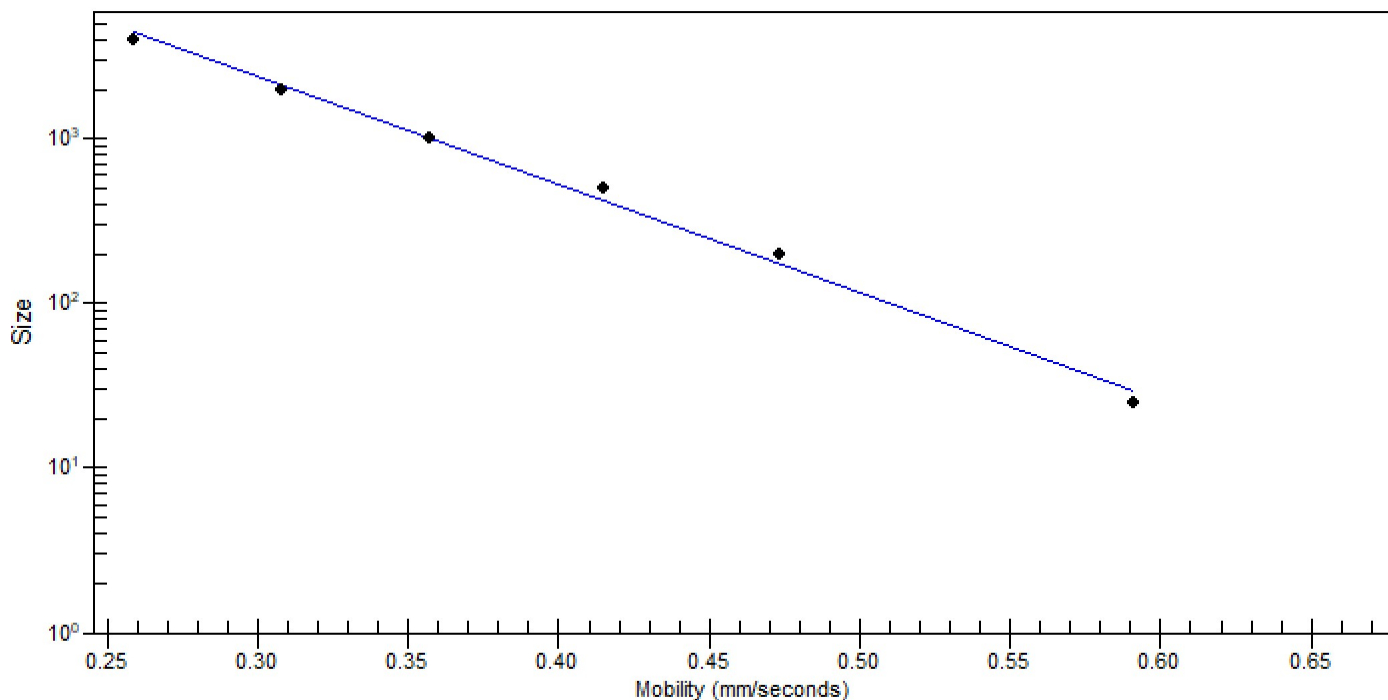
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad

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Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 8/1/2023 10:49:02 AM
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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		8/1/2023 11:11:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-08-01\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-08-01_001.xad)		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/1/2023 10:49:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB