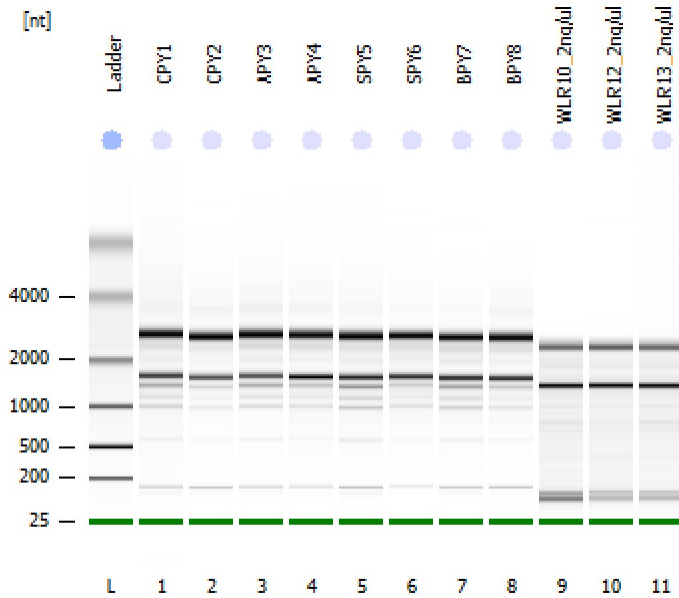


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electrophoresis File Run Summary



Instrument Information:

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

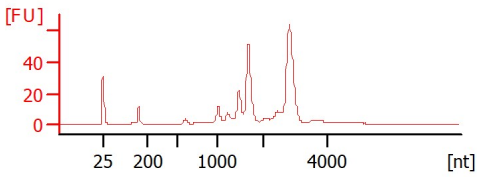
Assay Information:

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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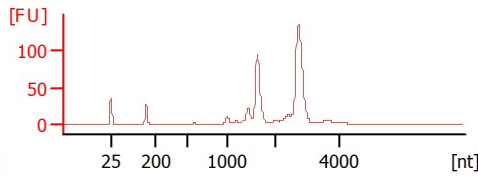
Chip Information:

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

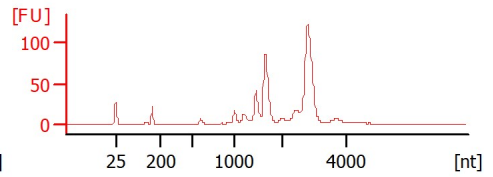
CPY1
 RIN: 8.20



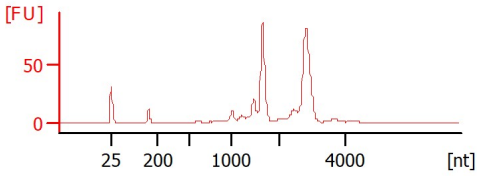
CPY2
 RIN: 9.40



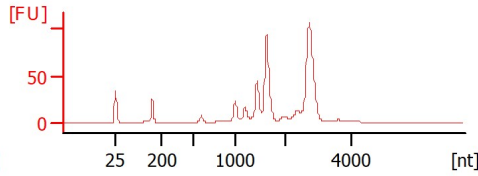
APY3
 RIN: 8.50



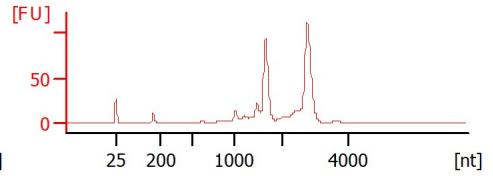
APY4
 RIN: 8.60



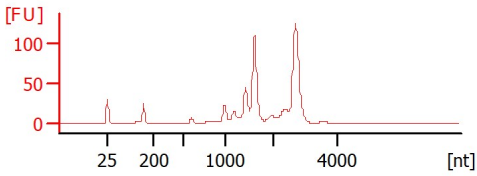
SPY5
 RIN: 8.20



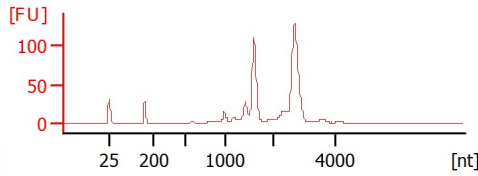
SPY6
 RIN: 8.80



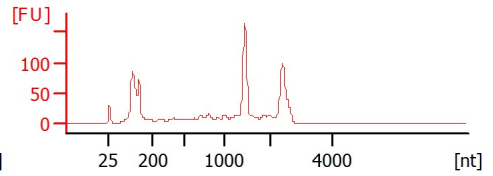
BPY7
 RIN: 7.90



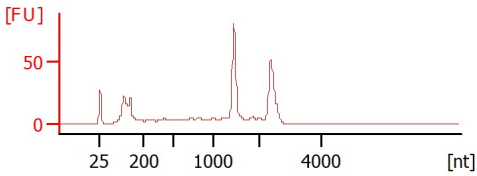
BPY8
 RIN: 9



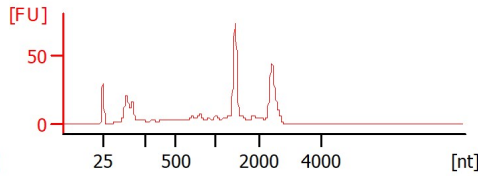
WLR10_2ng/ul
 RIN: 7.50



WLR12_2ng/ul
 RIN: 7.90



WLR13_2ng/ul
 RIN: 7.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CPY1		✓	RIN: 8.20	
CPY2		✓	RIN: 9.40	
APY3		✓	RIN: 8.50	
APY4		✓	RIN: 8.60	
SPY5		✓	RIN: 8.20	
SPY6		✓	RIN: 8.80	
BPY7		✓	RIN: 7.90	
BPY8		✓	RIN:9	
WLR10_2ng/ul		✓	RIN: 7.50	
WLR12_2ng/ul		✓	RIN: 7.90	
WLR13_2ng/ul		✓	RIN: 7.70	
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_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 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

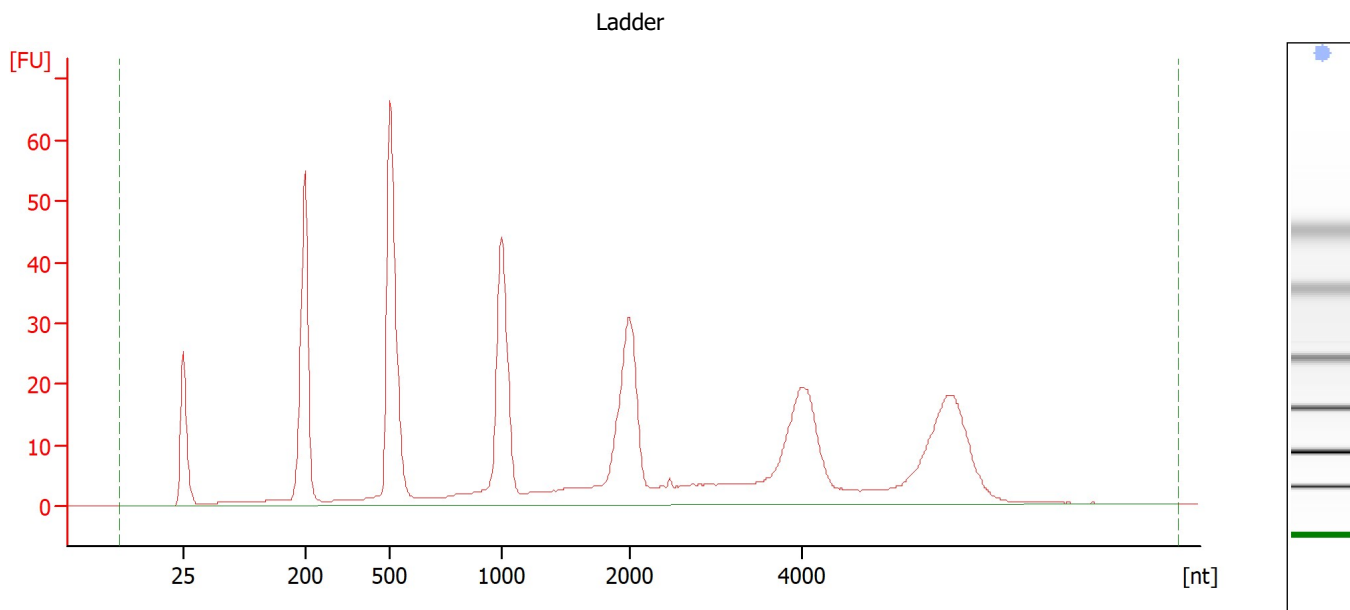
Ladder

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_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary



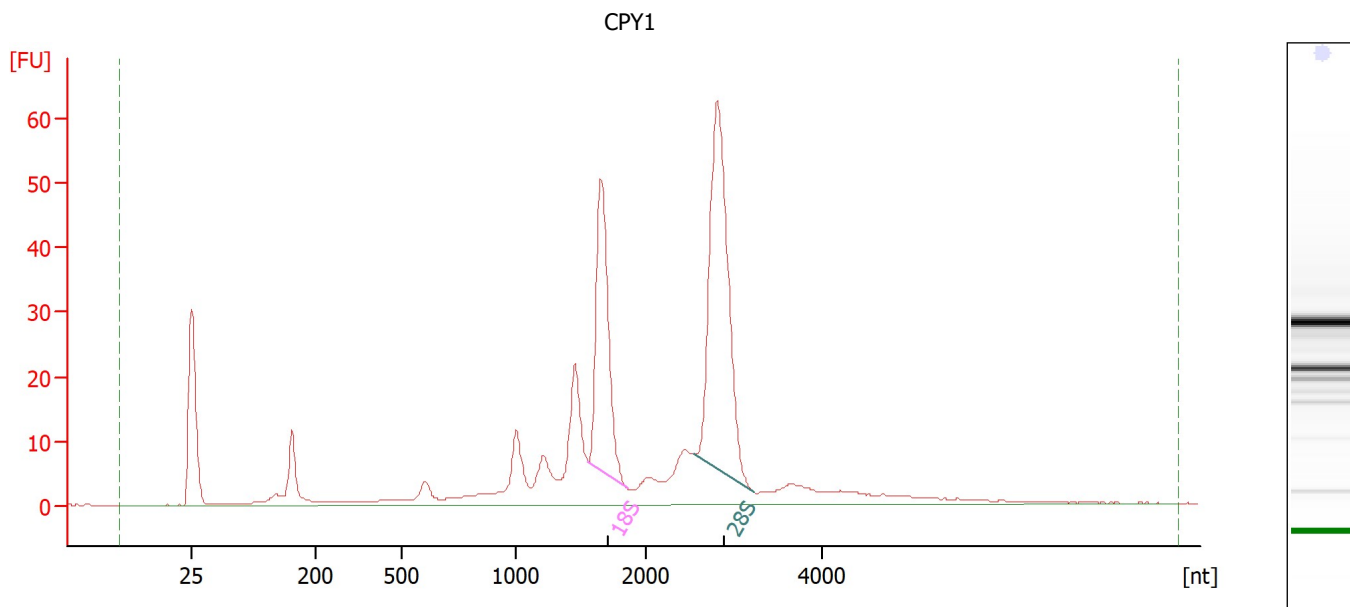
Overall Results for Ladder

RNA Area:	581.4	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_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CPY1

RNA Area:	431.4	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	742 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.20

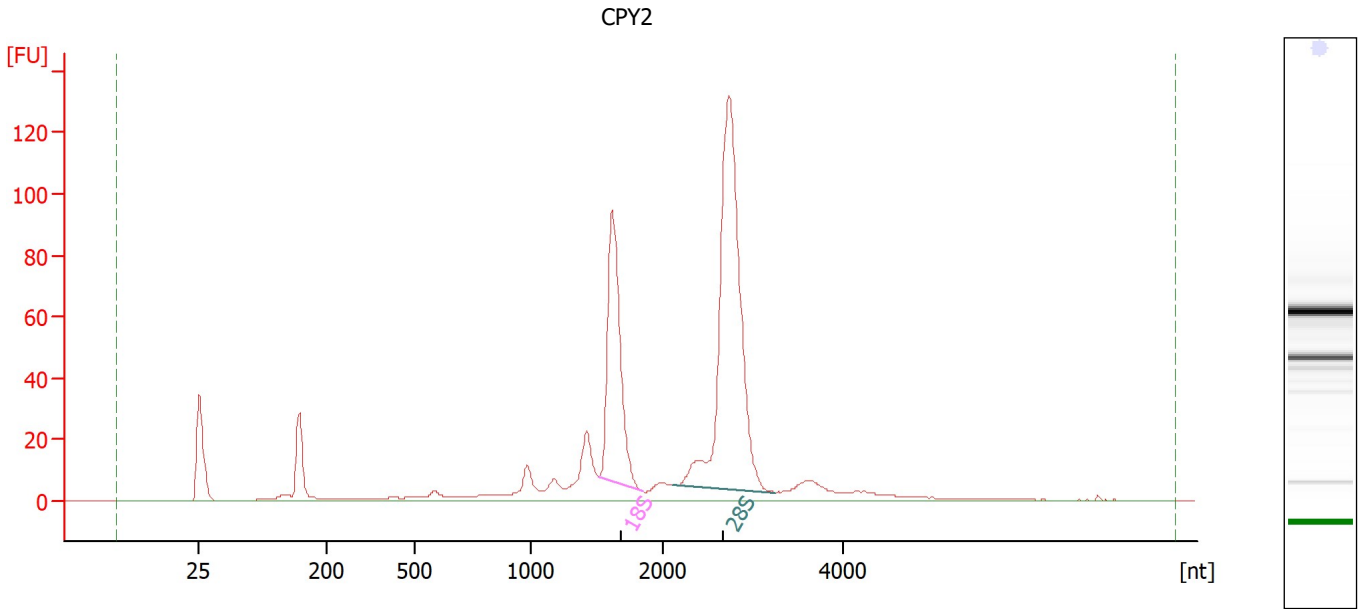
Fragment table for sample 1 : CPY1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,857	70.7	16.4
28S	2,552	3,231	119.8	27.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CPY2

RNA Area:	698.5	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,201 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.40

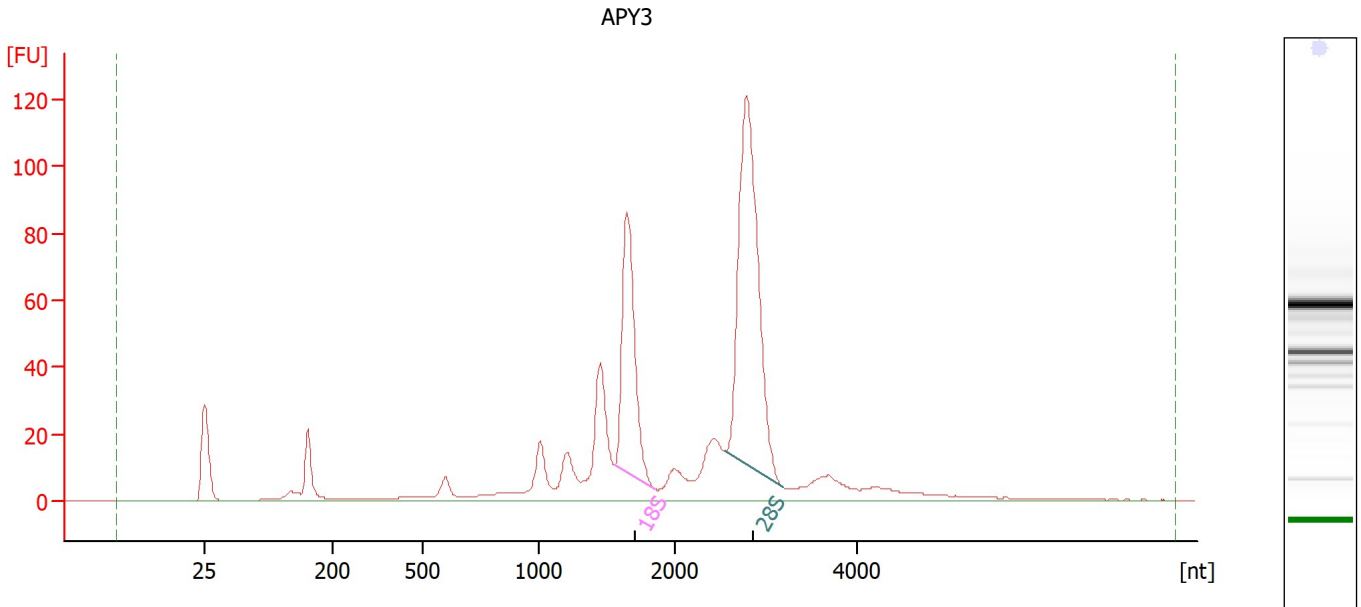
Fragment table for sample 2 : CPY2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,513	1,841	138.3	19.8
28S	2,109	3,225	292.0	41.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : APY3

RNA Area:	760.2	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,307 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.50

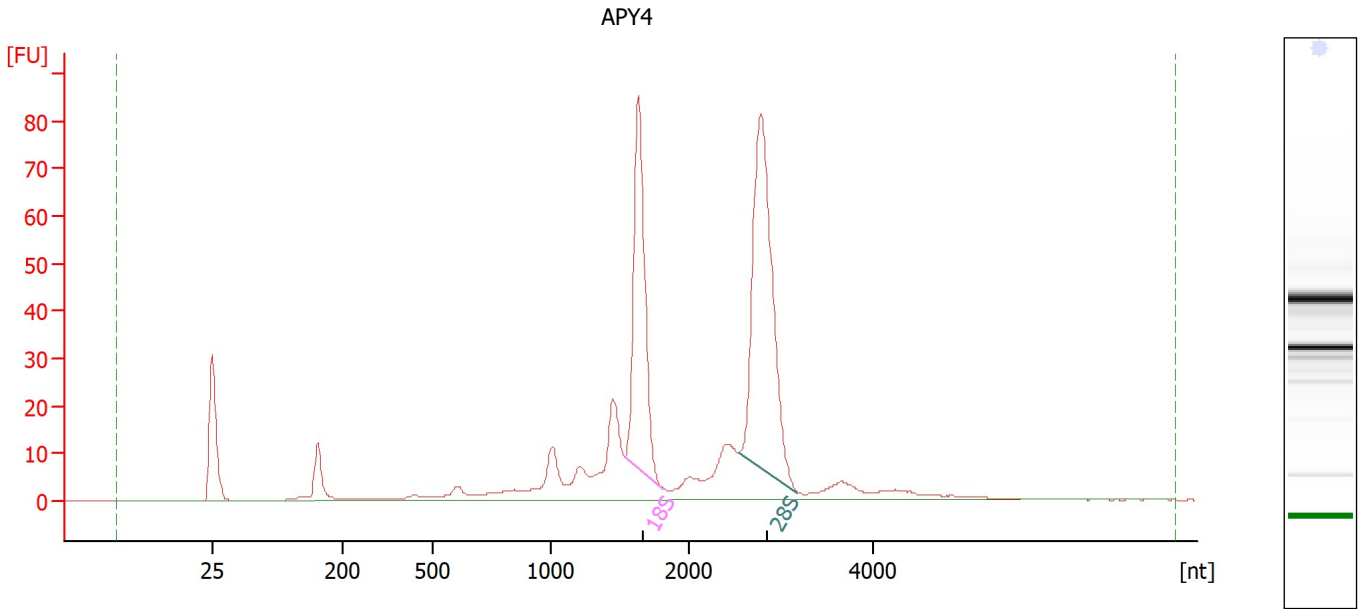
Fragment table for sample 3 : APY3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,854	119.9	15.8
28S	2,558	3,193	234.0	30.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : APY4

RNA Area:	515.6	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	887 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.60

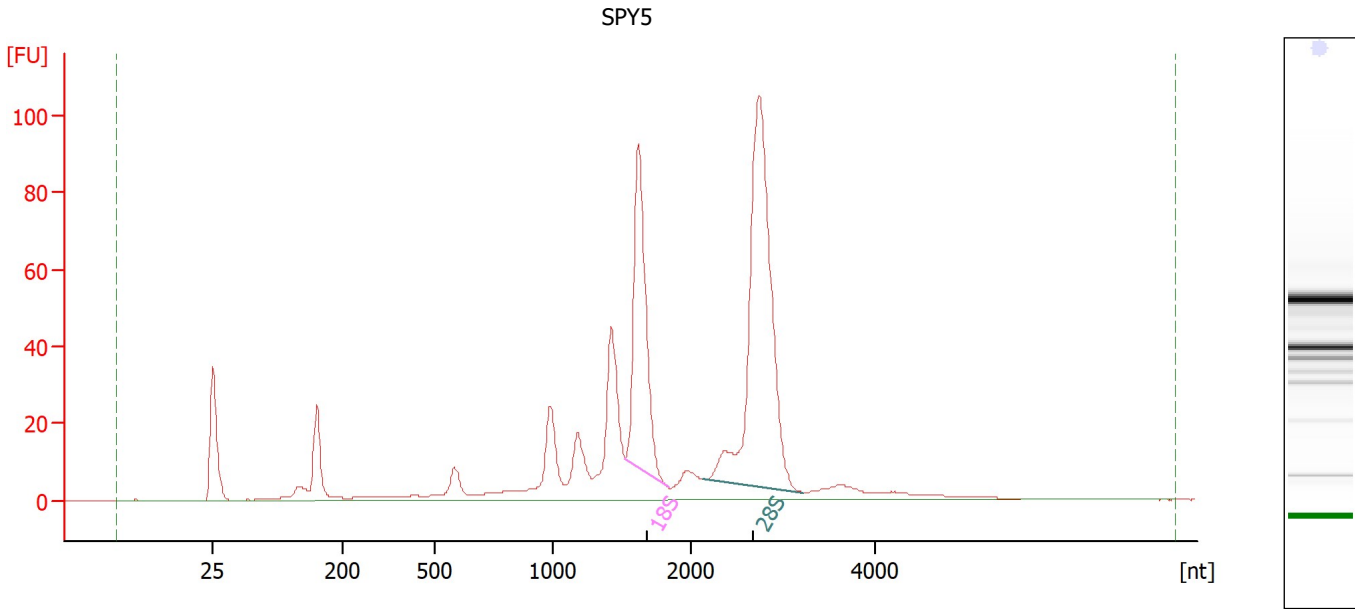
Fragment table for sample 4 : APY4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,813	108.0	20.9
28S	2,544	3,181	157.2	30.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SPY5

RNA Area:	706.7	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,216 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.20

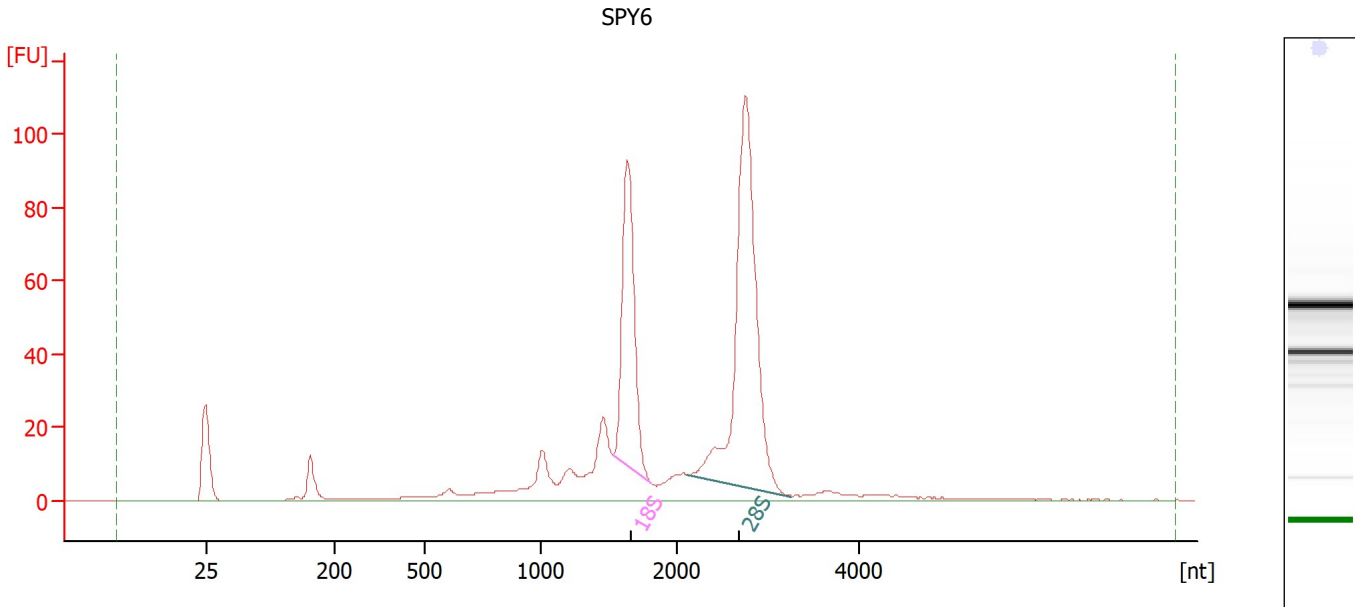
Fragment table for sample 5 : SPY5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,837	124.4	17.6
28S	2,140	3,214	239.1	33.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SPY6

RNA Area:	625.9	RNA Integrity Number (RIN):	8.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,077 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.80

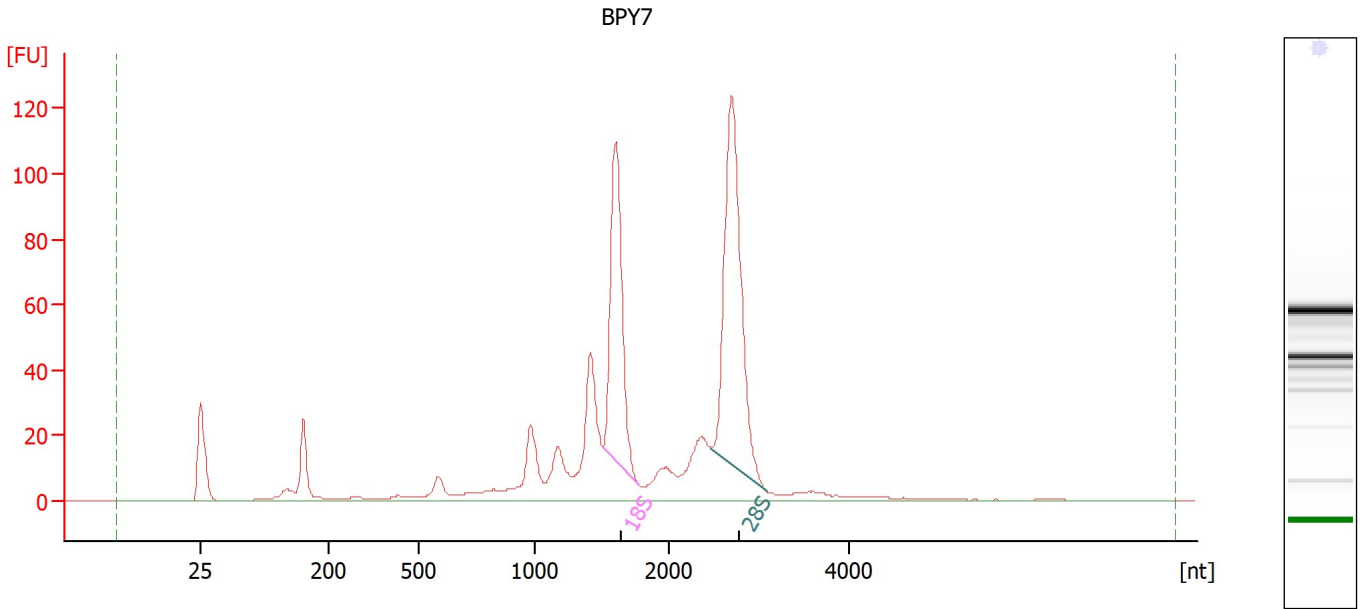
Fragment table for sample 6 : SPY6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,815	124.8	19.9
28S	2,124	3,261	233.2	37.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BPY7

RNA Area:	795.4	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,368 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.90

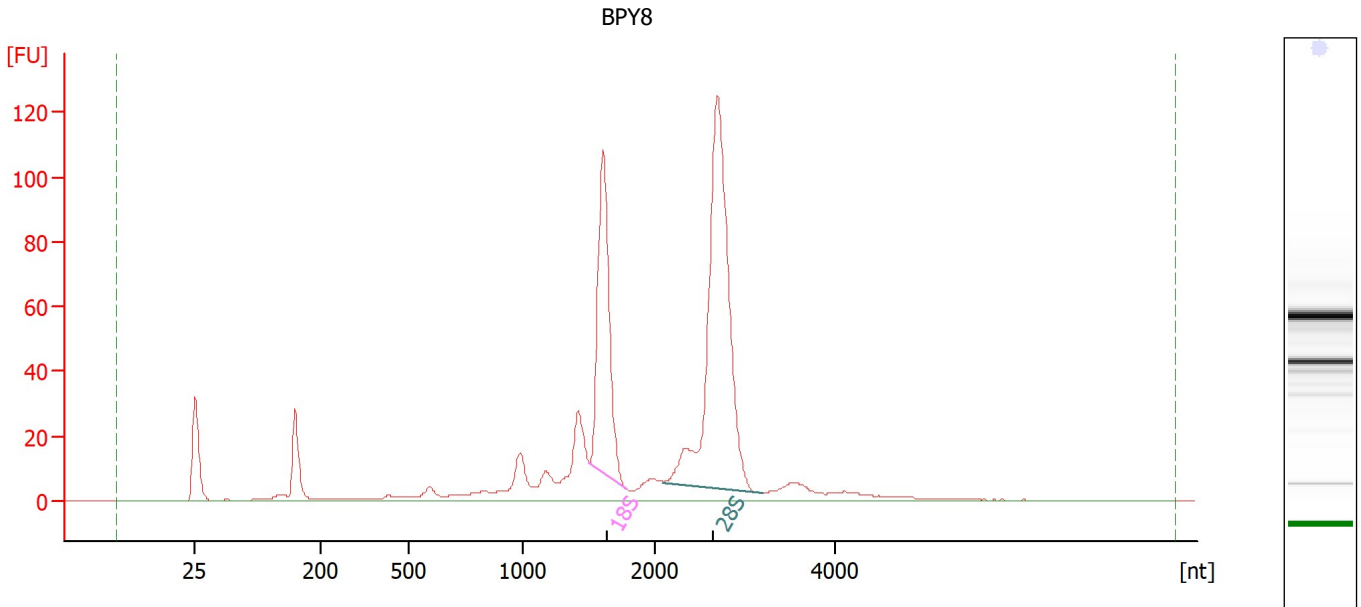
Fragment table for sample 7 : BPY7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,787	140.2	17.6
28S	2,477	3,091	207.0	26.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BPY8

RNA Area:	741.0	RNA Integrity Number (RIN):	9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,275 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:9

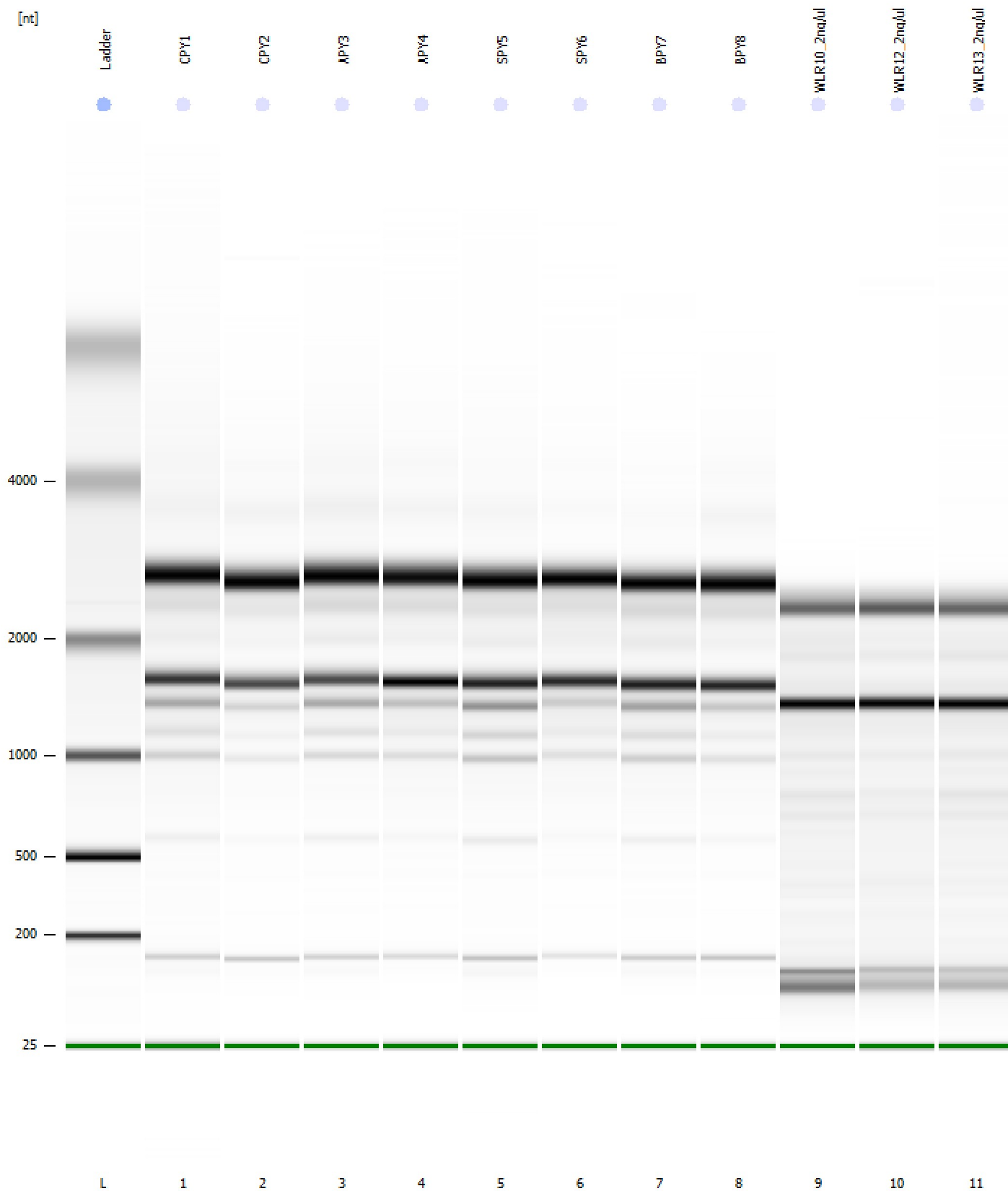
Fragment table for sample 8 : BPY8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,498	1,781	144.7	19.5
28S	2,083	3,196	283.5	38.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
Modified: 7/24/2023 2:28:28 PM

Gel Image

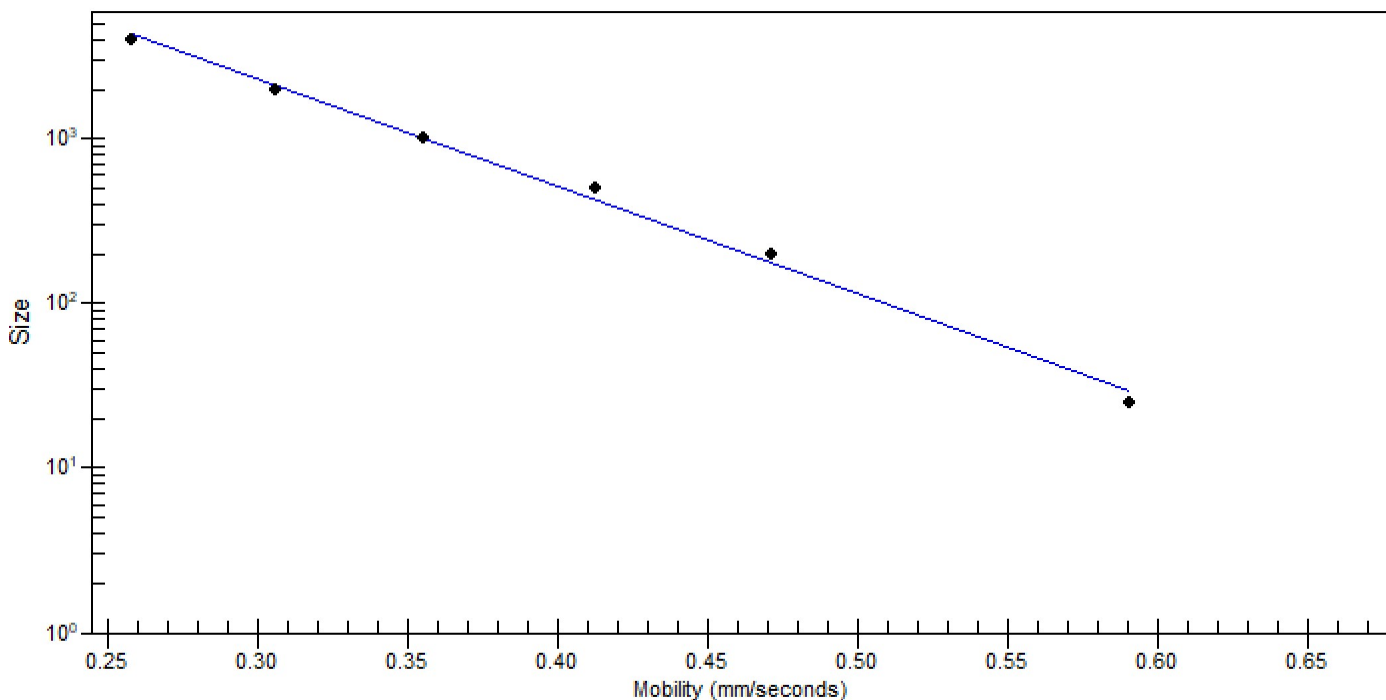


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
Modified: 7/24/2023 2:28:28 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:28:28 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		7/24/2023 2:00:15 PM	(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\2023-07-24\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad)		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/24/2023 1:37:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB