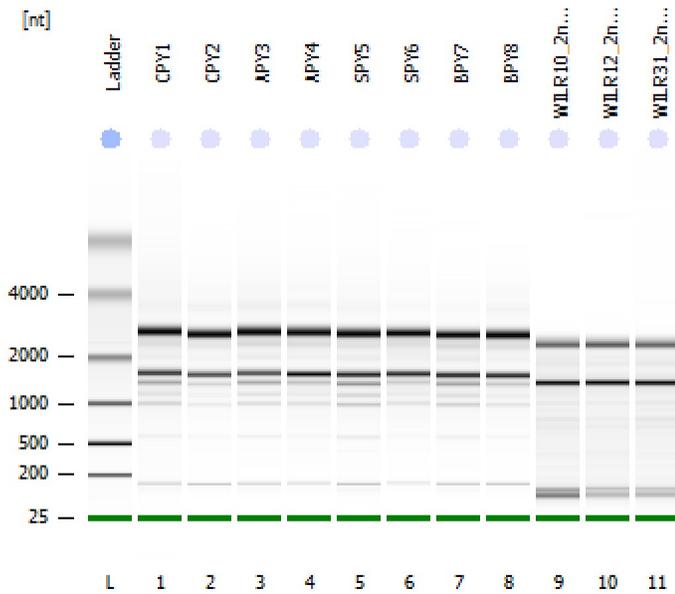


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
 Modified: 7/24/2023 2:49:15 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:



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 2:49:15 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	
WILR10_2ng/ul		✓	RIN: 7.50	
WILR12_2ng/ul		✓	RIN: 7.90	
WILR31_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 2:49:15 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

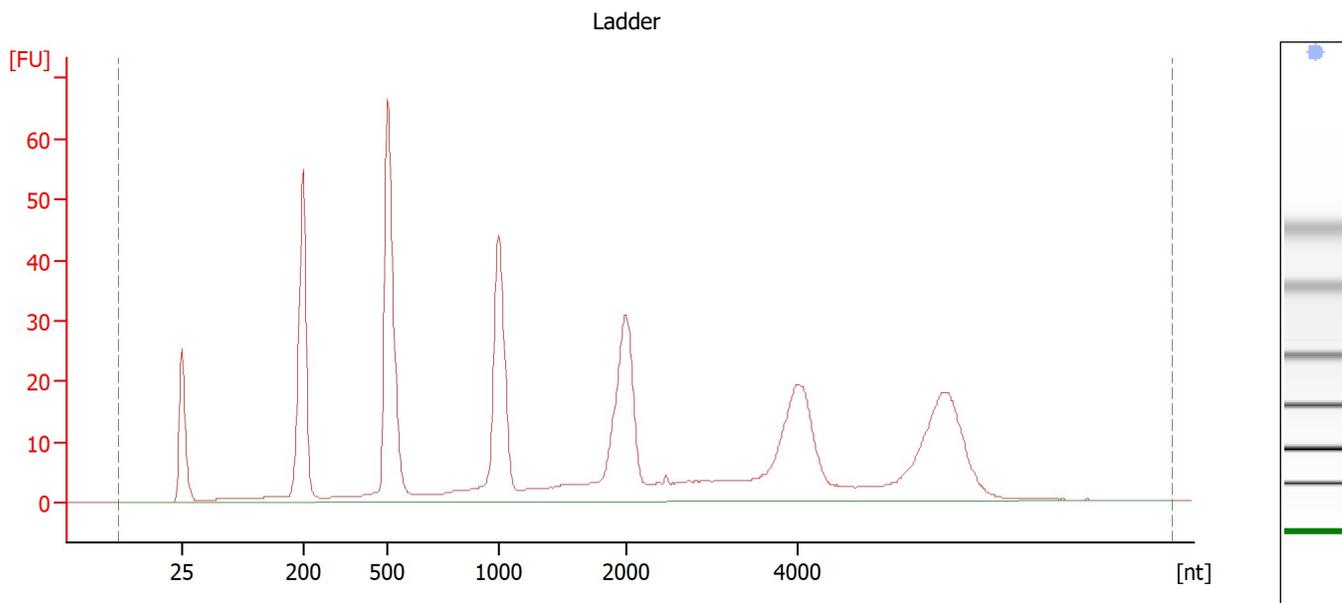
Ladder

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 2:49:15 PM

Electropherogram Summary



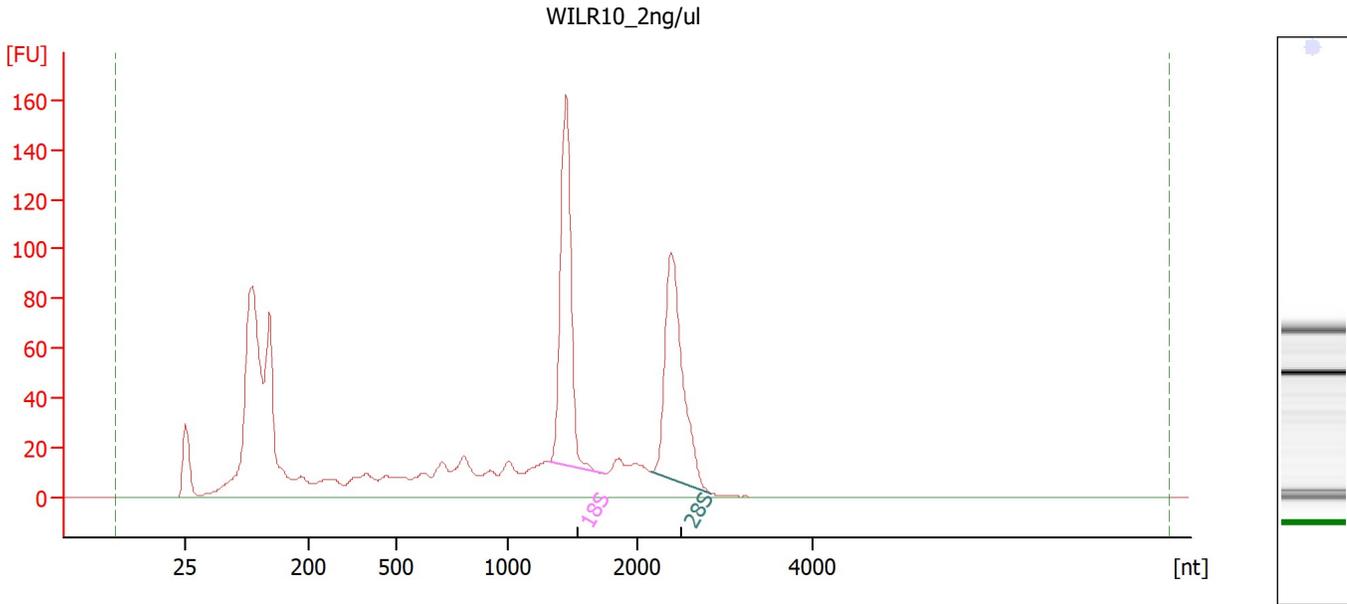
Overall Results for Ladder

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 2:49:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : WILR10 2ng/ul

RNA Area:	1,331.5	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	2,290 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.50

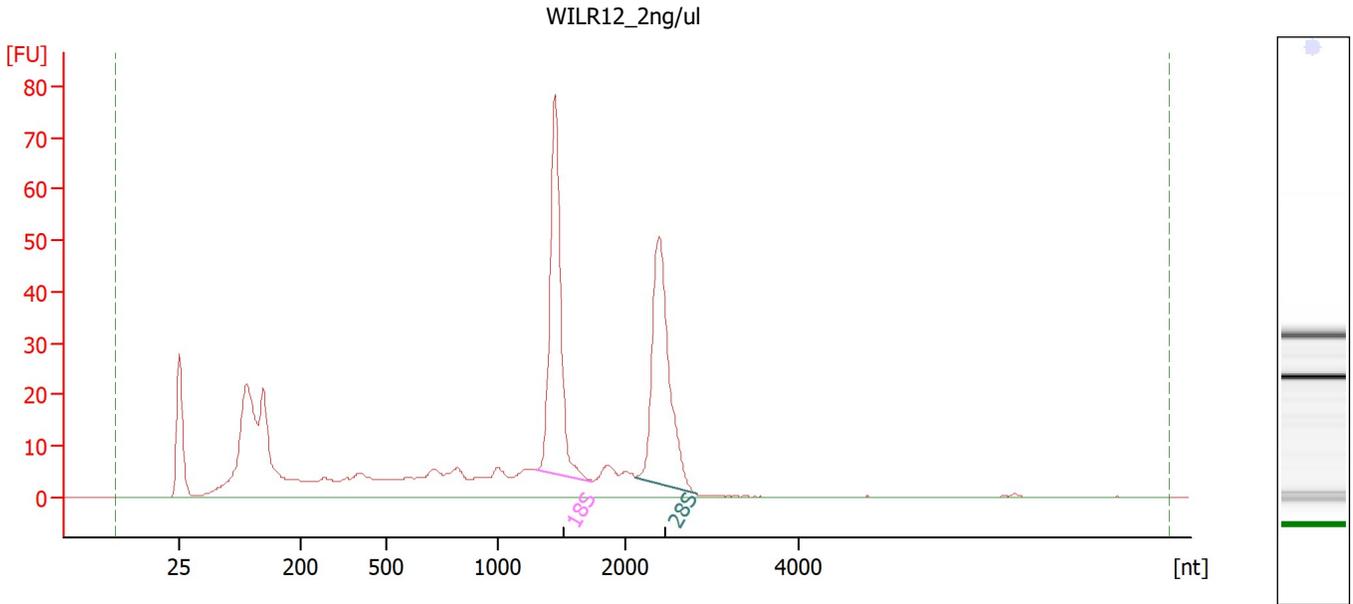
Fragment table for sample 9 : WILR10 2ng/ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,314	1,749	209.2	15.7
28S	2,151	2,832	191.2	14.4

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 2:49:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : WILR12 2ng/ul

RNA Area:	543.3	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	935 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.90

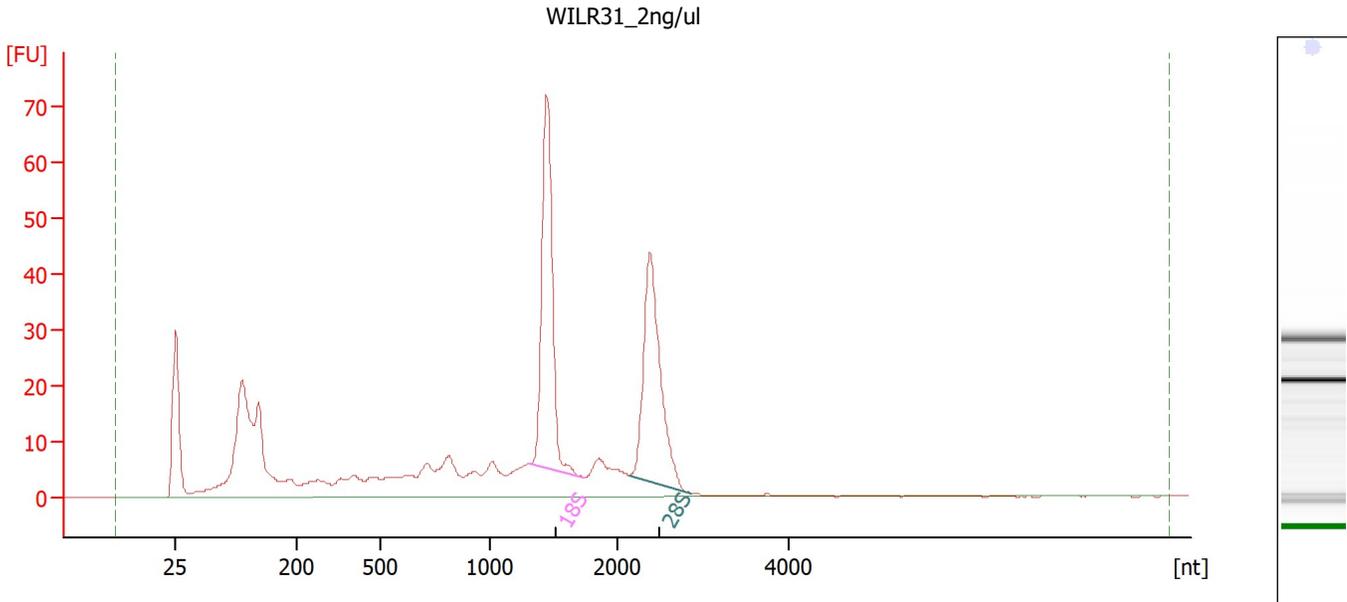
Fragment table for sample 10 : WILR12 2ng/ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,293	1,742	106.8	19.7
28S	2,124	2,826	96.9	17.8

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 2:49:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : WILR31 2ng/ul

RNA Area:	501.6	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	863 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.70

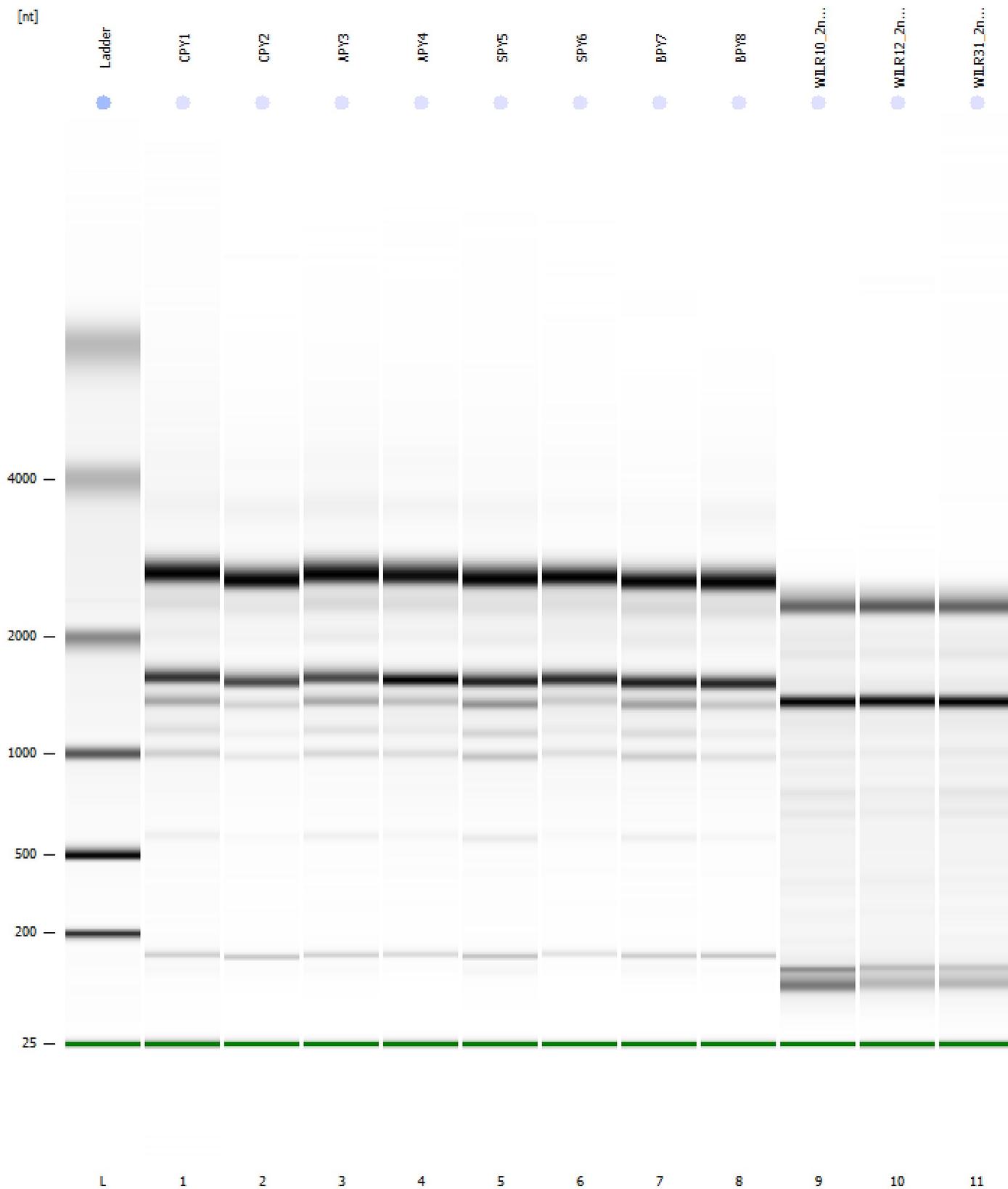
Fragment table for sample 11 : WILR31 2ng/ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,310	1,729	95.4	19.0
28S	2,146	2,855	84.0	16.7

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 2:49:15 PM

Gel Image

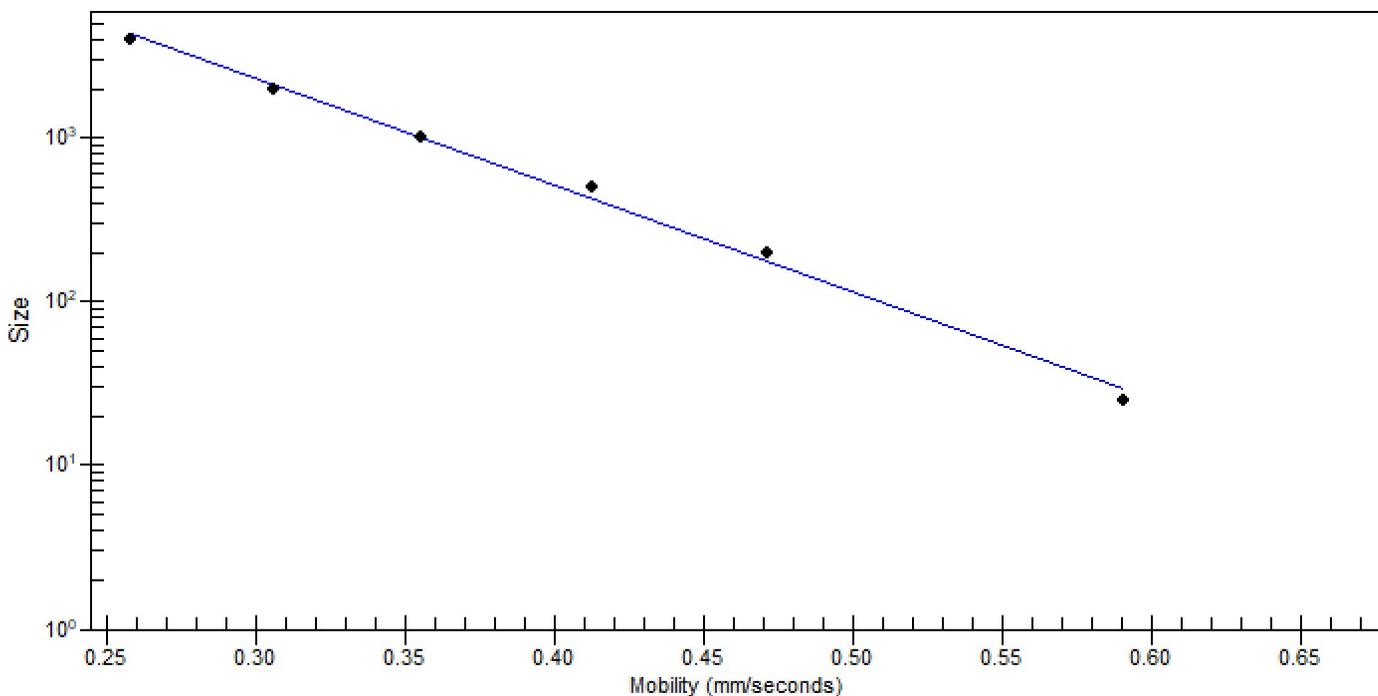


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-07-24_001.xad

Created: 7/24/2023 1:37:17 PM
Modified: 7/24/2023 2:49:15 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 2:49:15 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