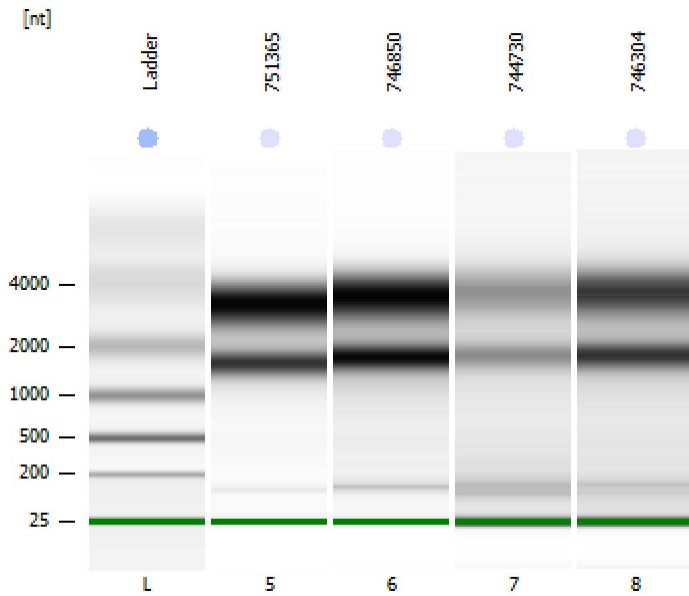


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 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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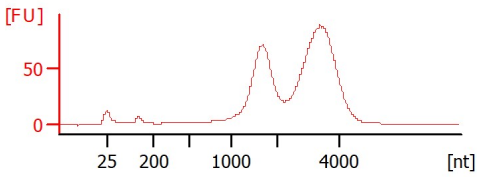
Chip Information:

Chip Lot #:

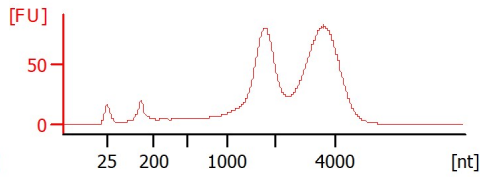
Reagent Kit Lot #:

Chip Comments:

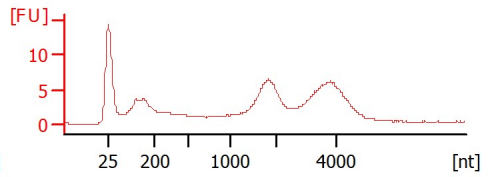
751365
QC1530
RIN: 10



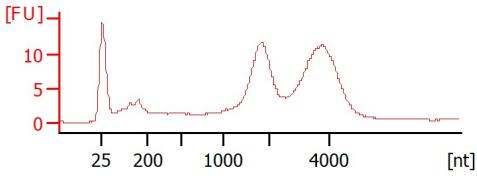
746850
QC1530
RIN: 9.70



744730
QC1530
RIN: 8.10



746304
QC1530
RIN: 9.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
 Modified: 7/7/2023 2:49:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
751365	QC1530	✓	RIN:10	
746850	QC1530	✓	RIN: 9.70	
744730	QC1530	✓	RIN: 8.10	
746304	QC1530	✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 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

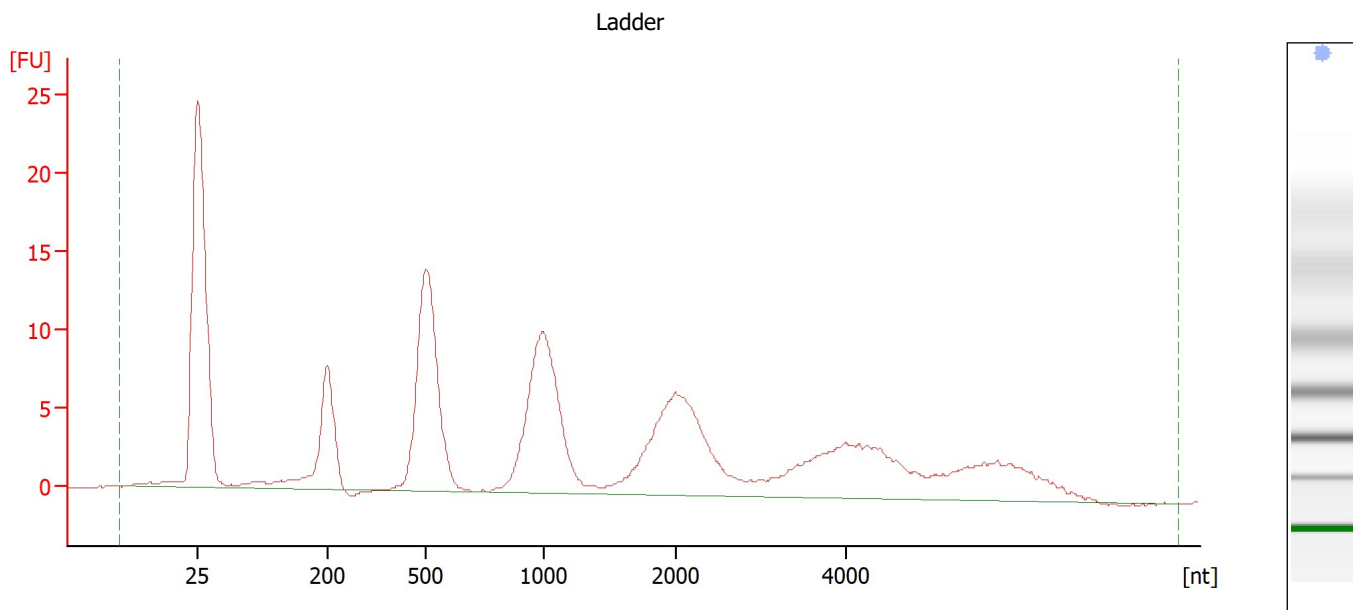
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Electropherogram Summary



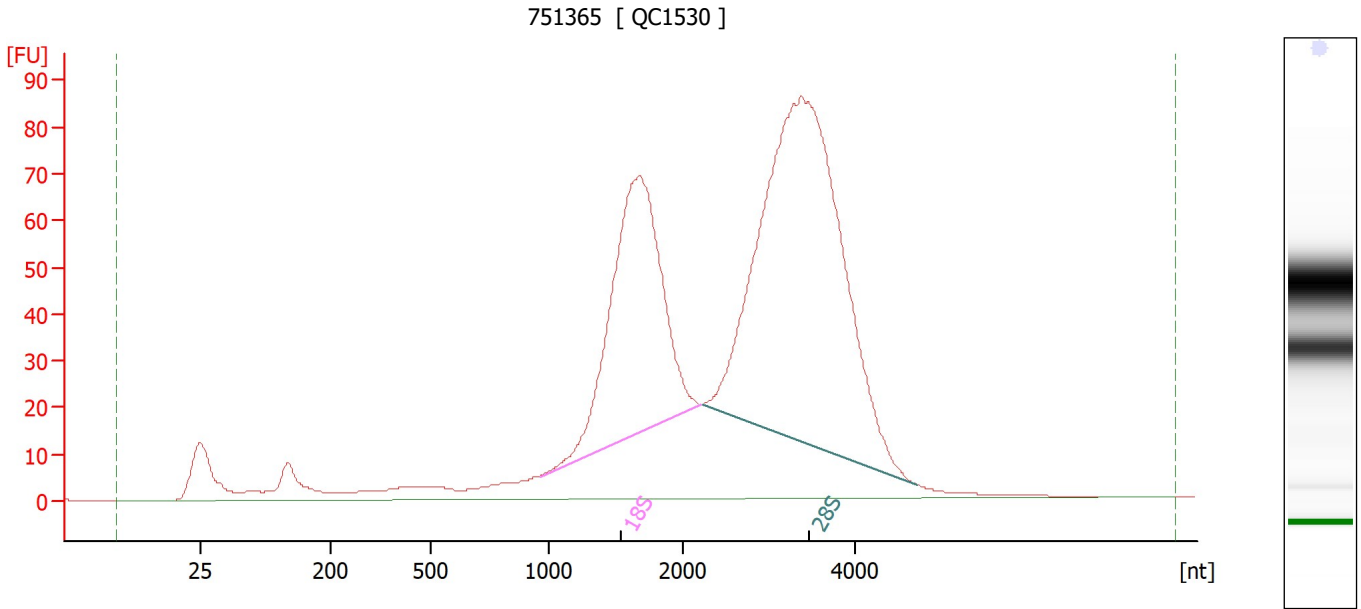
Overall Results for Ladder

RNA Area:	220.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 751365

RNA Area: 1,574.7 RNA Integrity Number (RIN): 10 (B.02.10)
RNA Concentration: 7,132 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

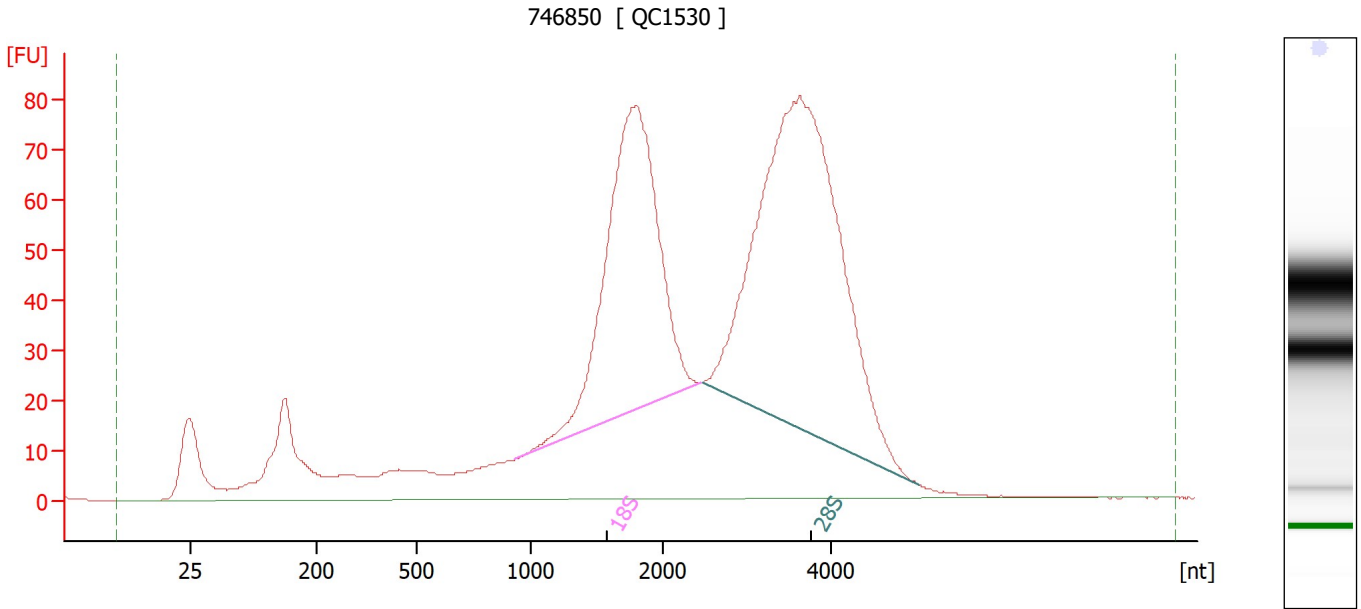
Fragment table for sample 5 : 751365

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	961	2,201	345.3	21.9
28S	2,226	4,727	645.6	41.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 746850

RNA Area:	1,845.6	RNA Integrity Number (RIN):	9.7 (B.02.10)
RNA Concentration:	8,359 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.70

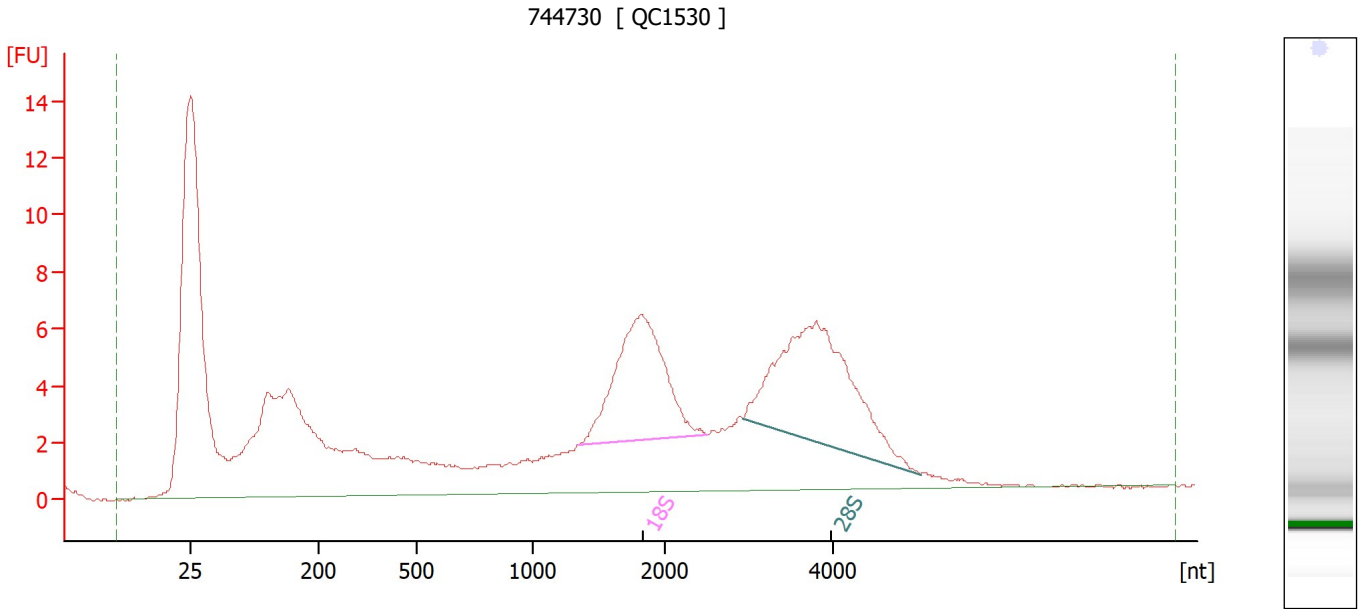
Fragment table for sample 6 : 746850

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	932	2,455	397.0	21.5
28S	2,481	5,049	585.0	31.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 744730

RNA Area:	208.8	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	946 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.10

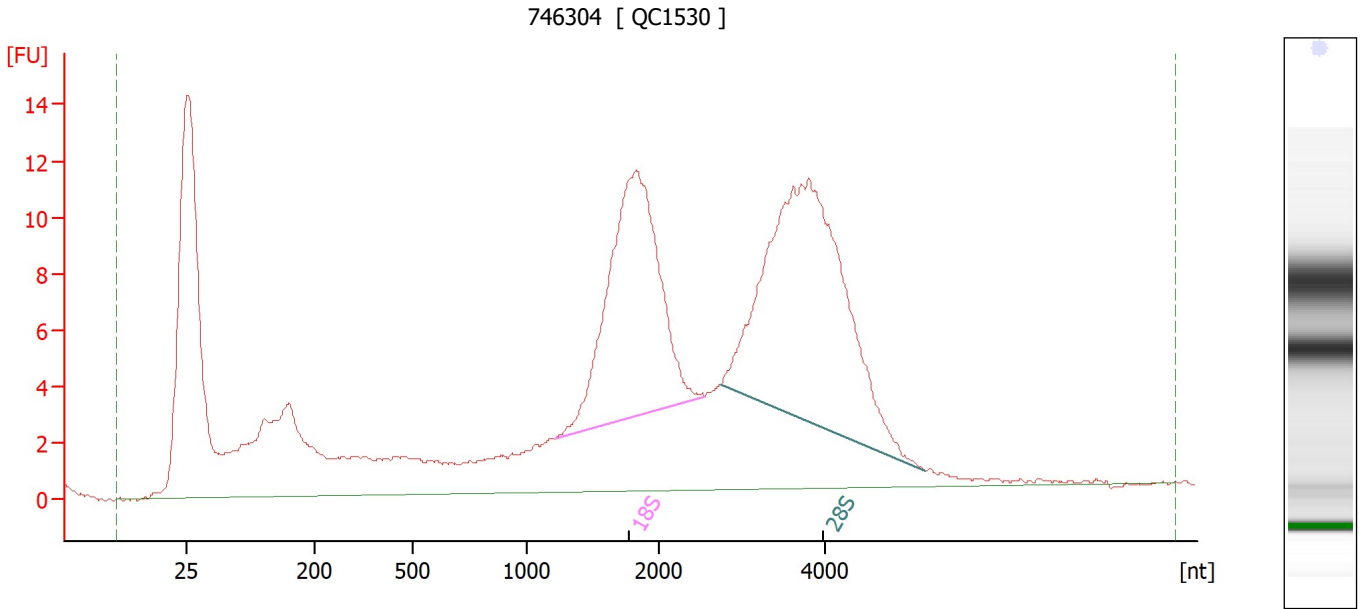
Fragment table for sample 7 : 744730

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,356	2,505	27.0	12.9
28S	2,937	5,043	32.8	15.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 746304

RNA Area:	300.0	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	1,359 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.10

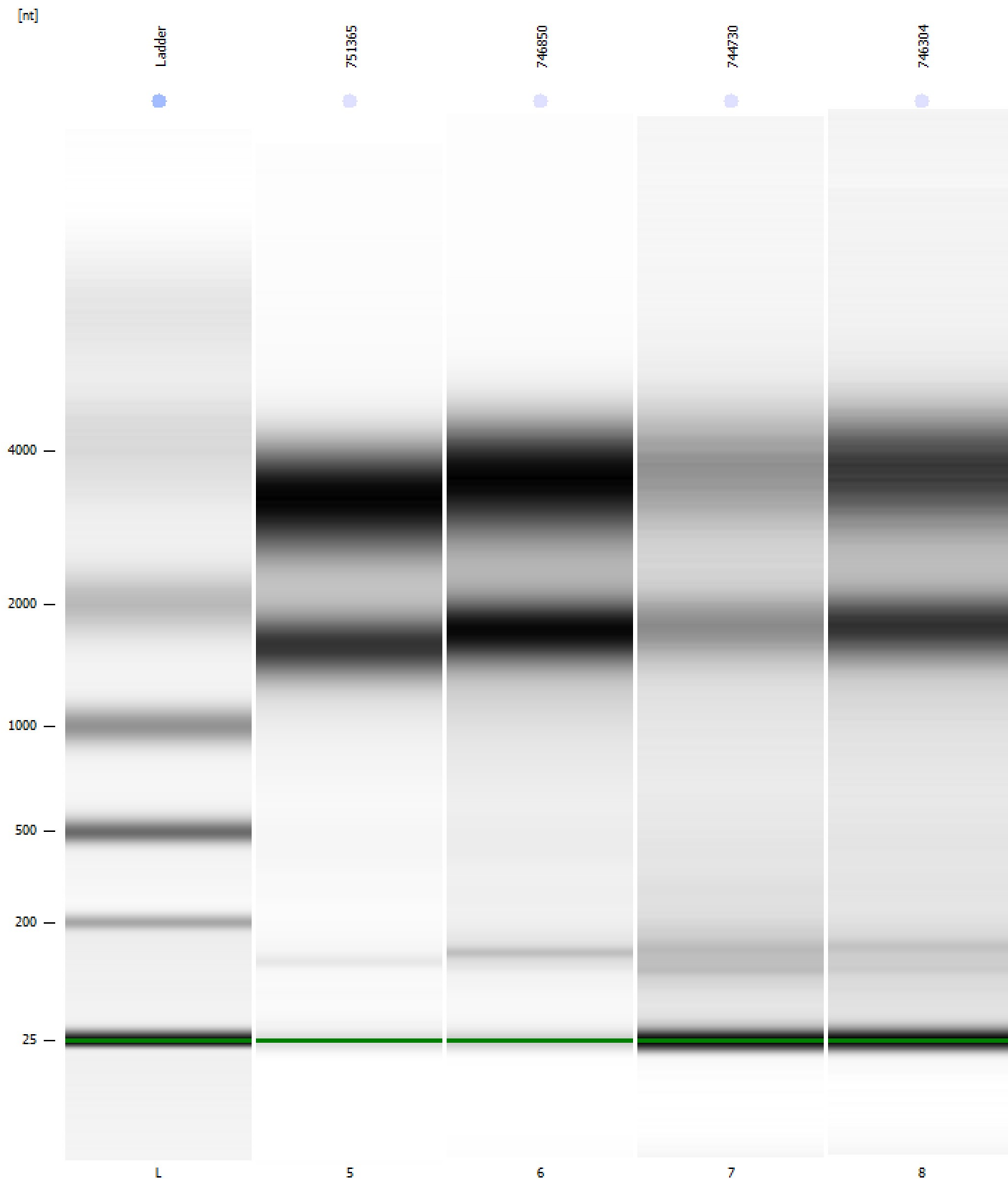
Fragment table for sample 8 : 746304

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,211	2,571	55.5	18.5
28S	2,750	5,202	73.2	24.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Gel Image

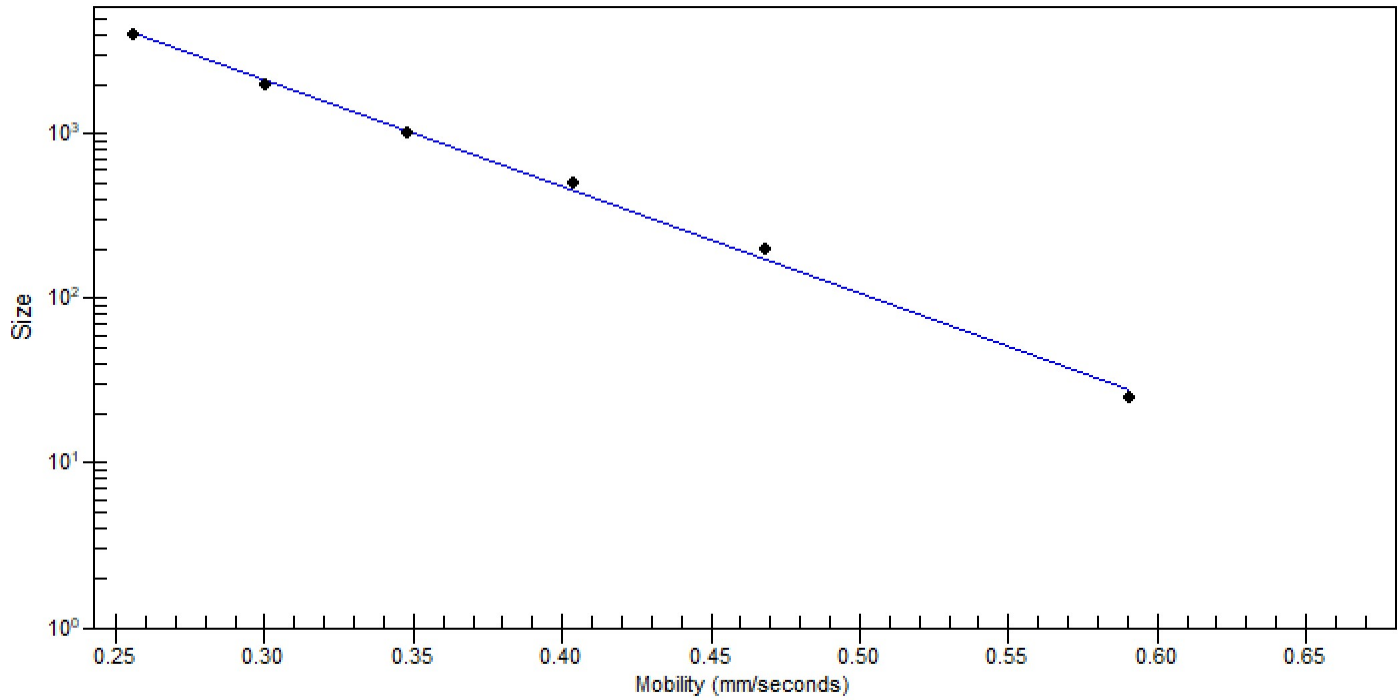


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:49:01 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1530.xad

Created: 7/7/2023 2:24:27 PM
 Modified: 7/7/2023 2:49:01 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		7/7/2023 2:47:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-07-07\Bioanalyzer1_Eukaryote Total RNA Pico_2023-07-07_001.xad)		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB