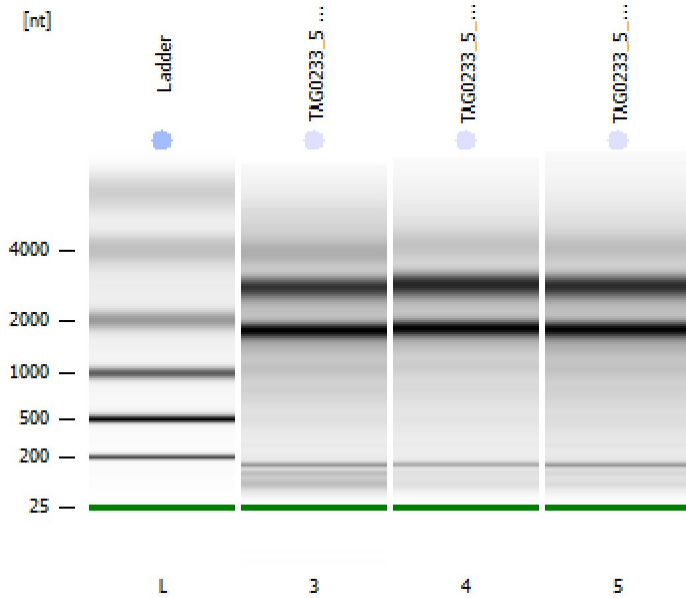


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
Modified: 10/31/2023 4:23:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

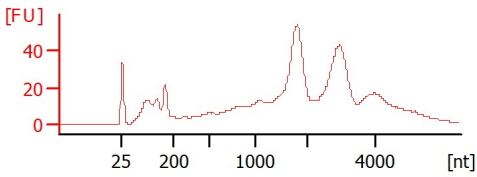
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

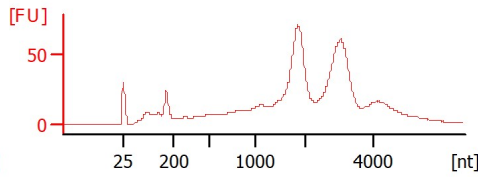
Chip Information:

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

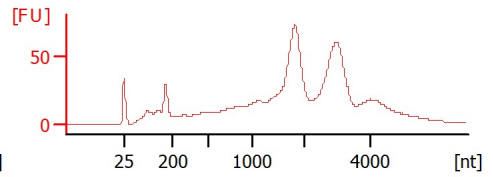
TAG0233_5 (1:100)
RIN: 6.10



TAG0233_5_NEB_DNaseI
(1:6)
RIN: 6.50



TAG0233_5_HL-dsDNase
(1:6)
RIN: 6.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
 Modified: 10/31/2023 4:23:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0233_5 (1:100)		✓	RIN: 6.10	
TAG0233_5_NEB_DNaseI (1:6)		✓	RIN: 6.50	
TAG0233_5_HL-dsDNase (1:6)		✓	RIN: 6.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
Modified: 10/31/2023 4:23:26 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

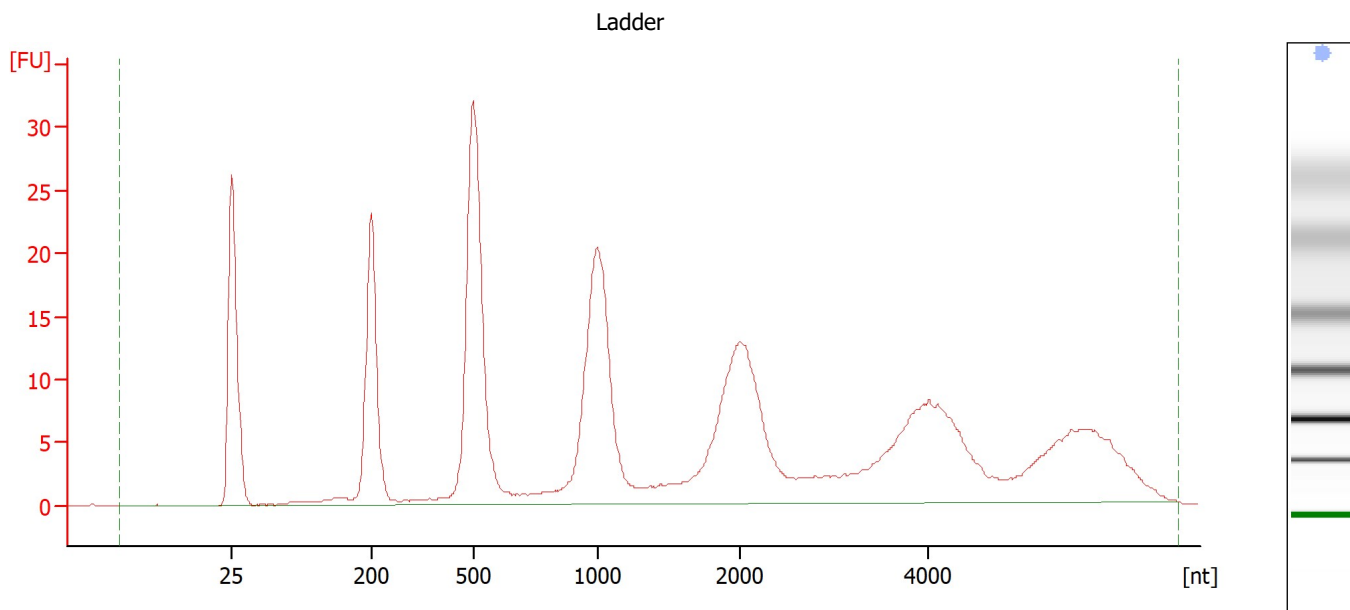
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
Modified: 10/31/2023 4:23:26 PM

Electropherogram Summary



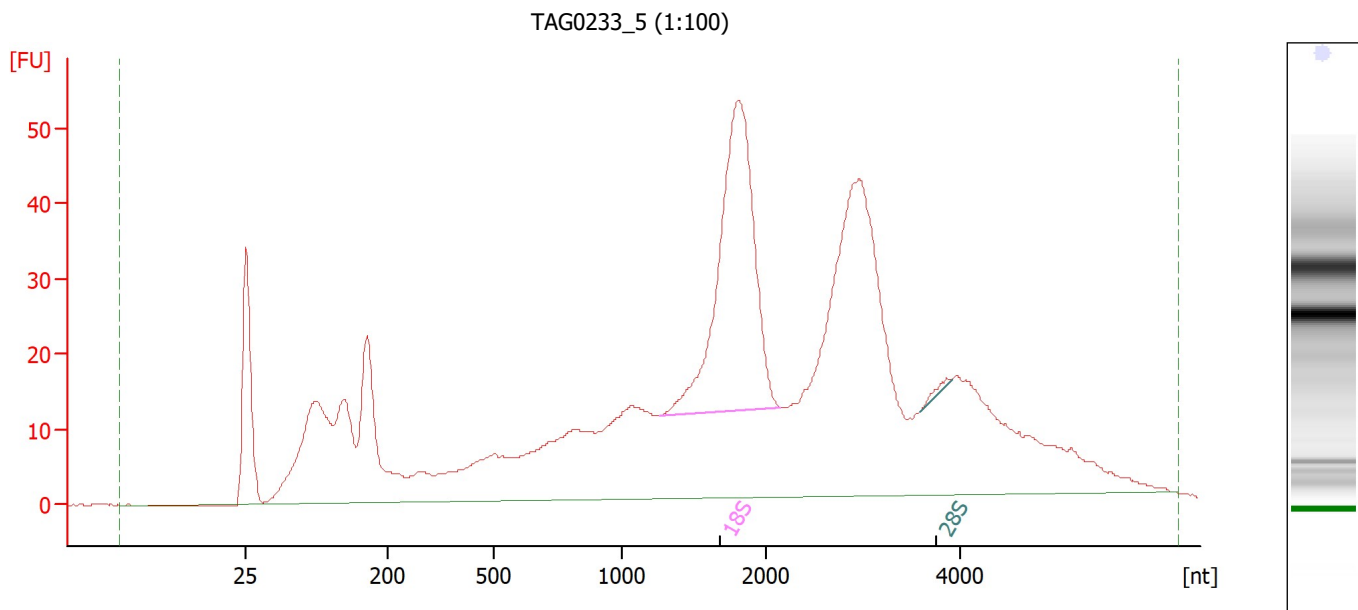
Overall Results for Ladder

RNA Area:	377.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
 Modified: 10/31/2023 4:23:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0233 5 (1:100)

RNA Area:	1,111.0	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	2,940 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

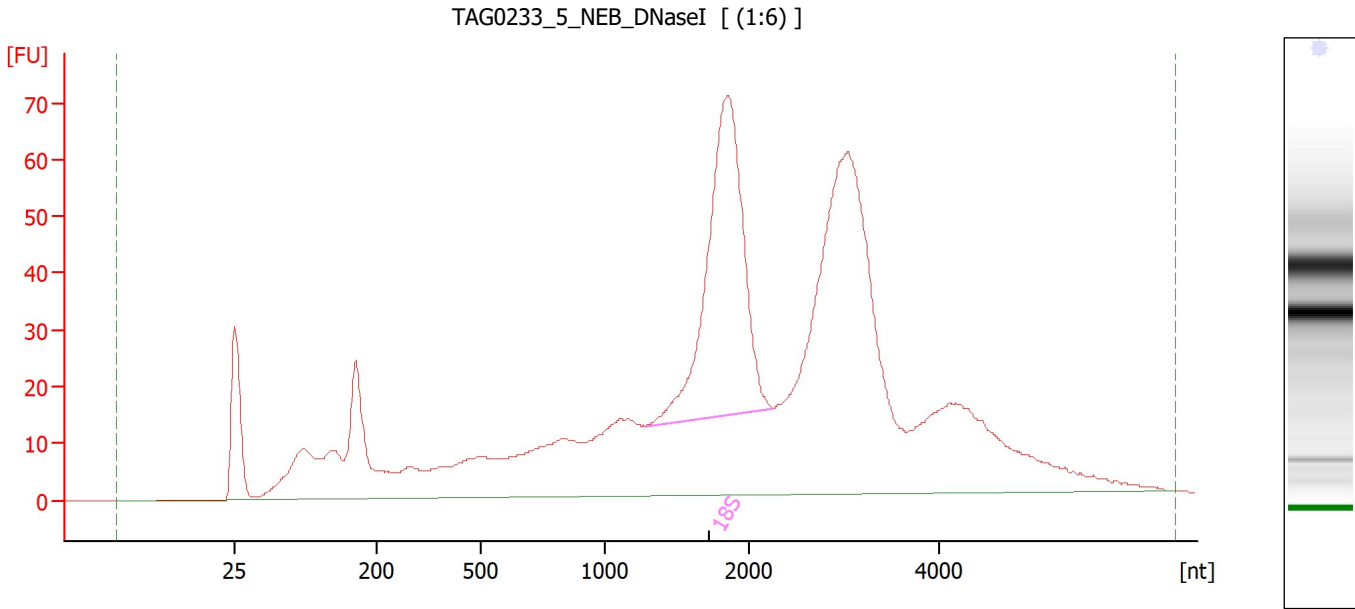
Fragment table for sample 3 : TAG0233 5 (1:100)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,271	2,138	163.6	14.7
28S	3,578	3,910	1.6	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
 Modified: 10/31/2023 4:23:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0233 5 NEB DNaseI

RNA Area:	1,324.1	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	3,504 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.50

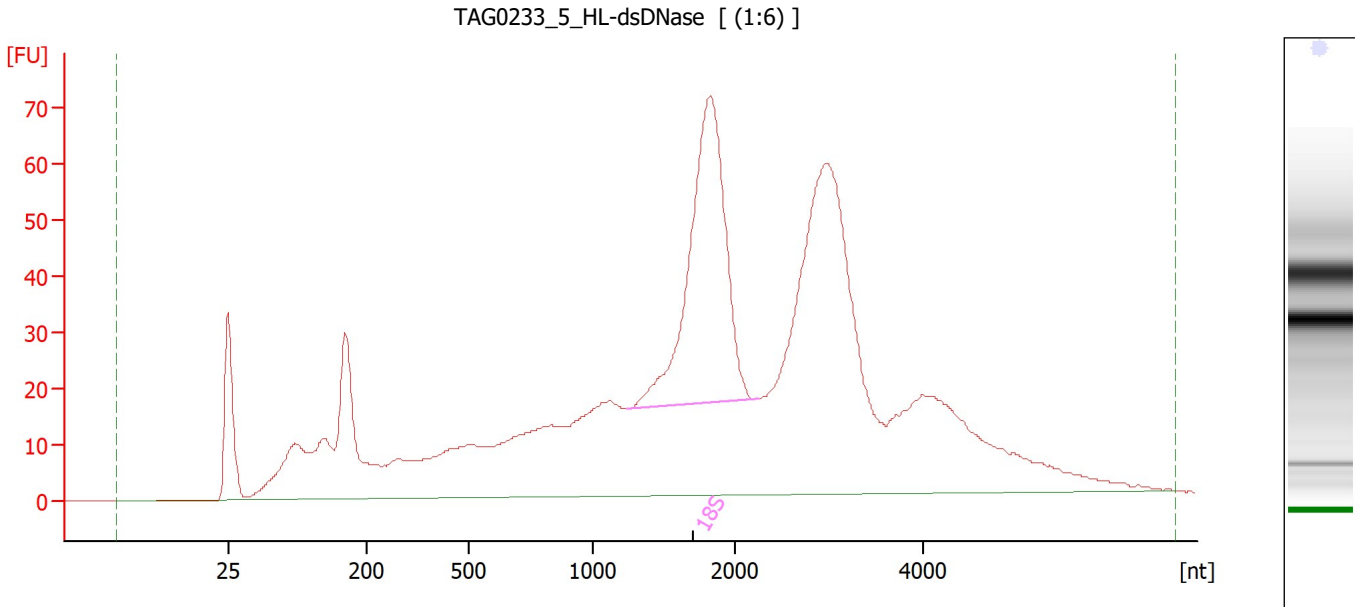
Fragment table for sample 4 : TAG0233 5 NEB DNaseI

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,273	2,249	229.1	17.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
 Modified: 10/31/2023 4:23:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0233 5 HL-dsDNase

RNA Area:	1,482.7	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	3,924 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

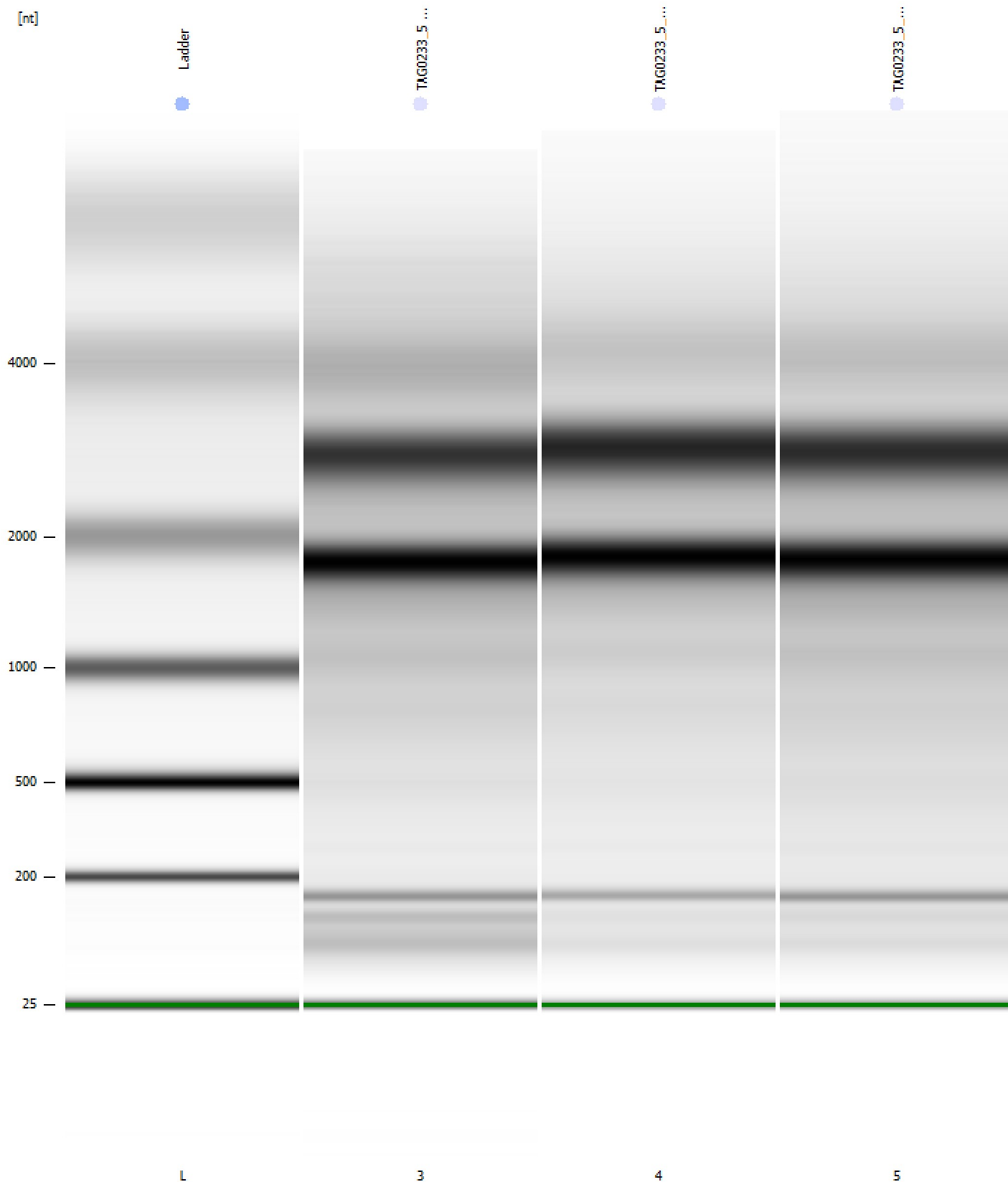
Fragment table for sample 5 : TAG0233 5 HL-dsDNase

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,246	2,261	227.9	15.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
Modified: 10/31/2023 4:23:26 PM

Gel Image

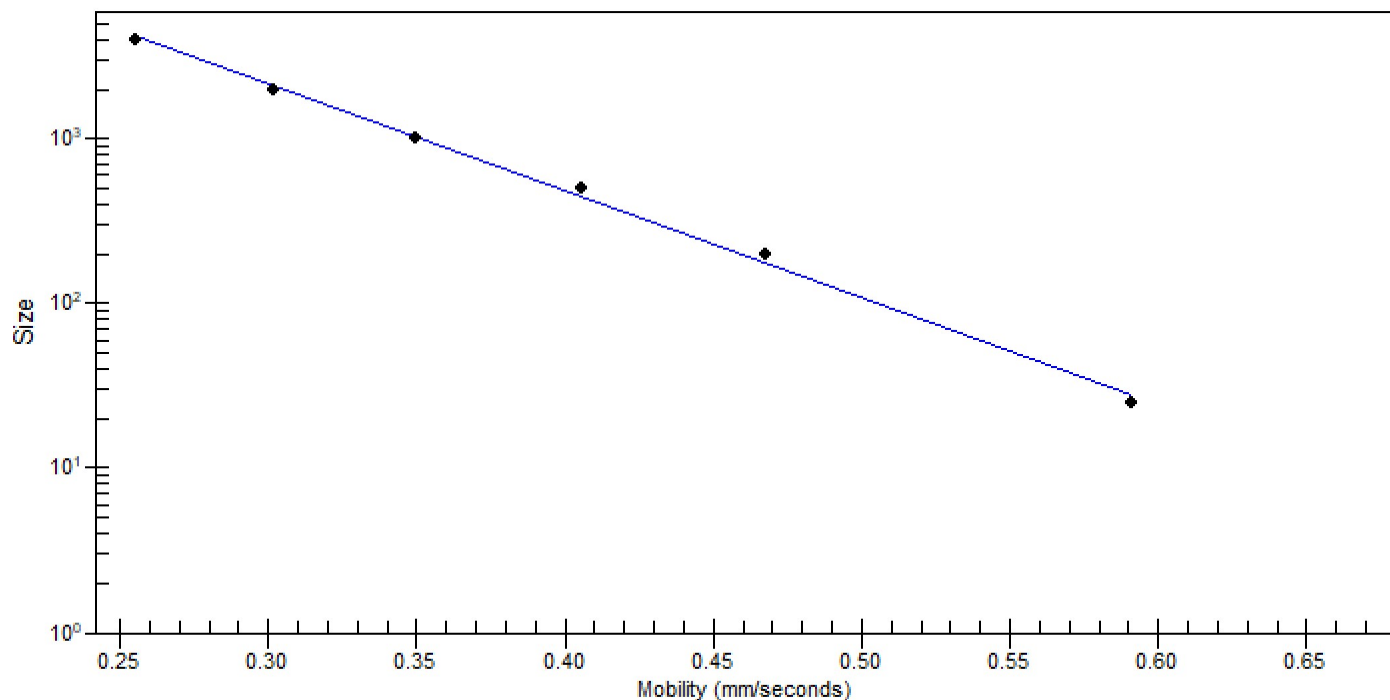


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
Modified: 10/31/2023 4:23:26 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-10-31\DNase_Comparison.xad

Created: 10/31/2023 3:16:08 PM
 Modified: 10/31/2023 4:23:26 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		10/31/2023 3:39:02 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\2023-10-31\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-31_001.xad)		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB