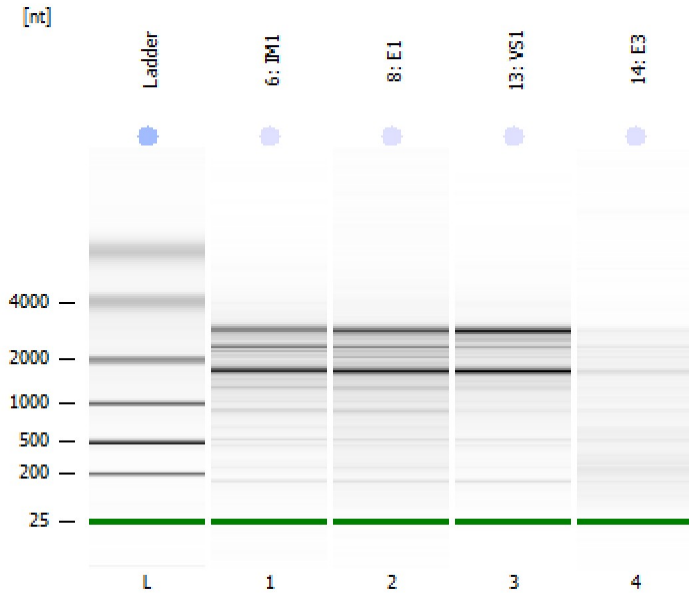


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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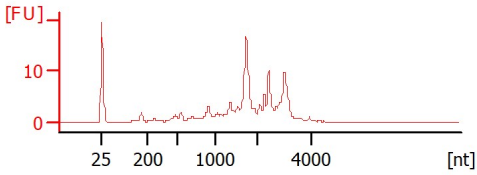
Chip Information:

Chip Lot #:

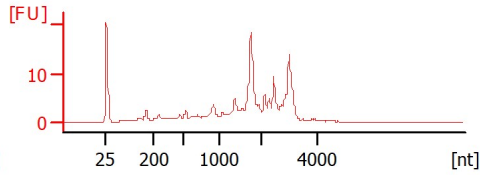
Reagent Kit Lot #:

Chip Comments:

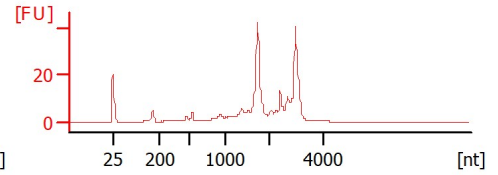
6: IM1
QC1579
RIN: 7.40



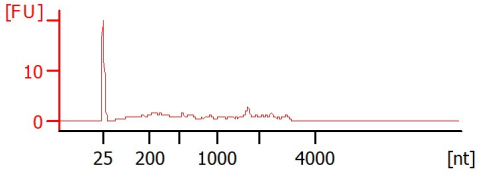
8: E1
QC1579
RIN: 7.50



13: VS1
QC1579
RIN: 7.60



14: E3
QC1579
RIN: 5.20



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
 Modified: 8/15/2023 12:04:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
6: IM1	QC1579	✓	RIN: 7.40	
8: E1	QC1579	✓	RIN: 7.50	
13: VS1	QC1579	✓	RIN: 7.60	
14: E3	QC1579	✓	RIN: 5.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

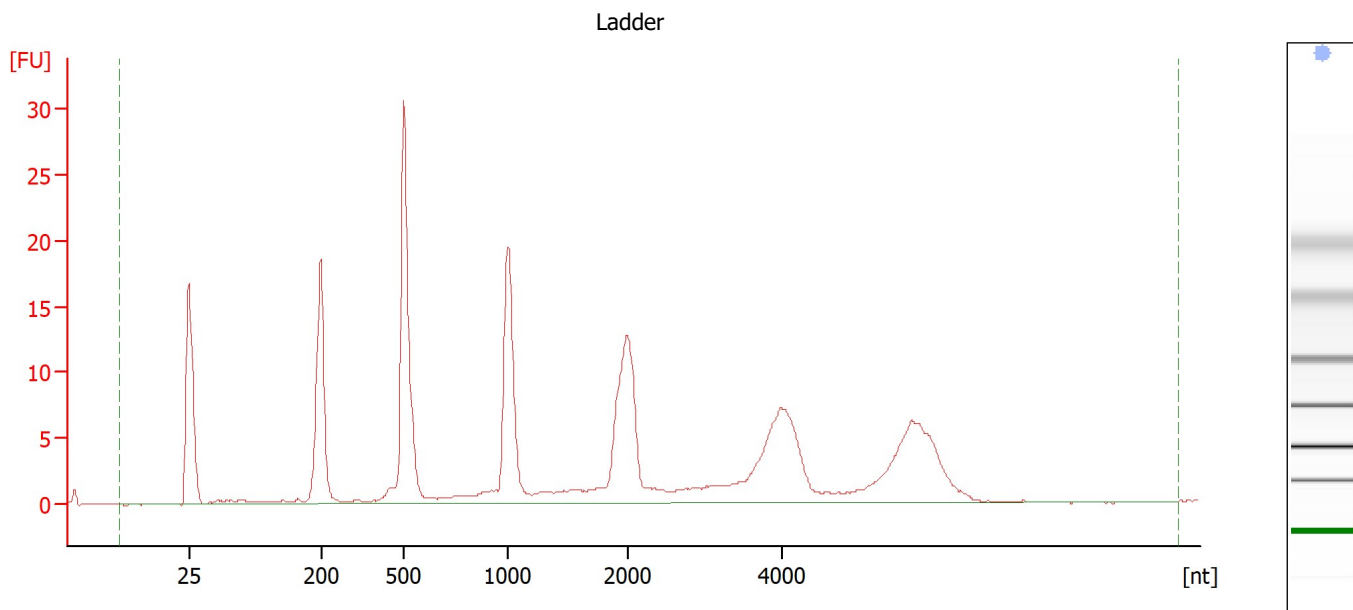
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electropherogram Summary



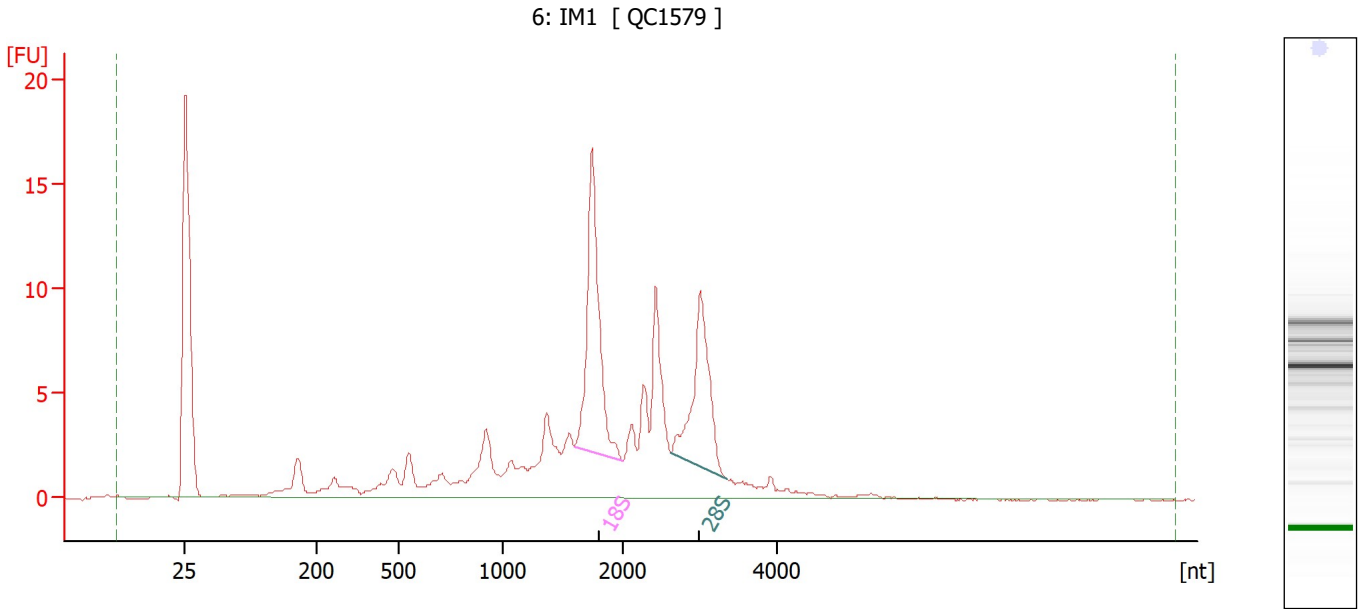
Overall Results for Ladder

RNA Area:	209.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 6: IM1

RNA Area: 129.1 RNA Integrity Number (RIN): 7.4 (B.02.10)
RNA Concentration: 92 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 7.40

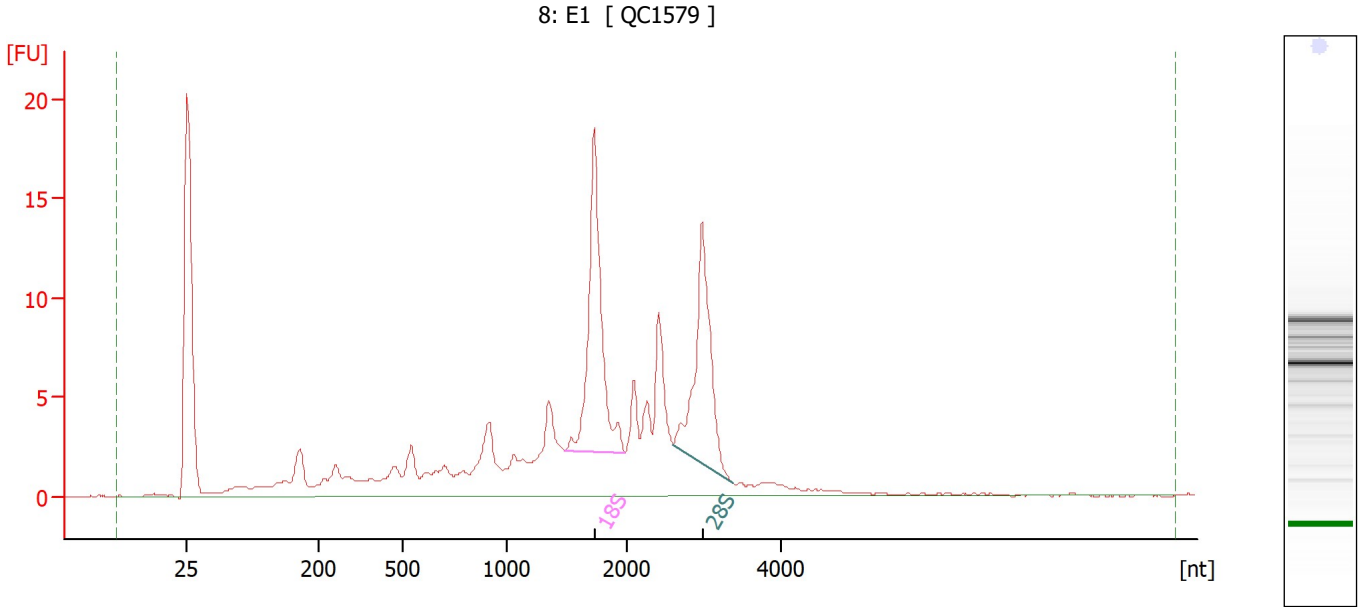
Fragment table for sample 1 : 6: IM1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	1,999	22.0	17.0
28S	2,624	3,362	15.7	12.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 8: E1

RNA Area:	164.2	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	118 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.50

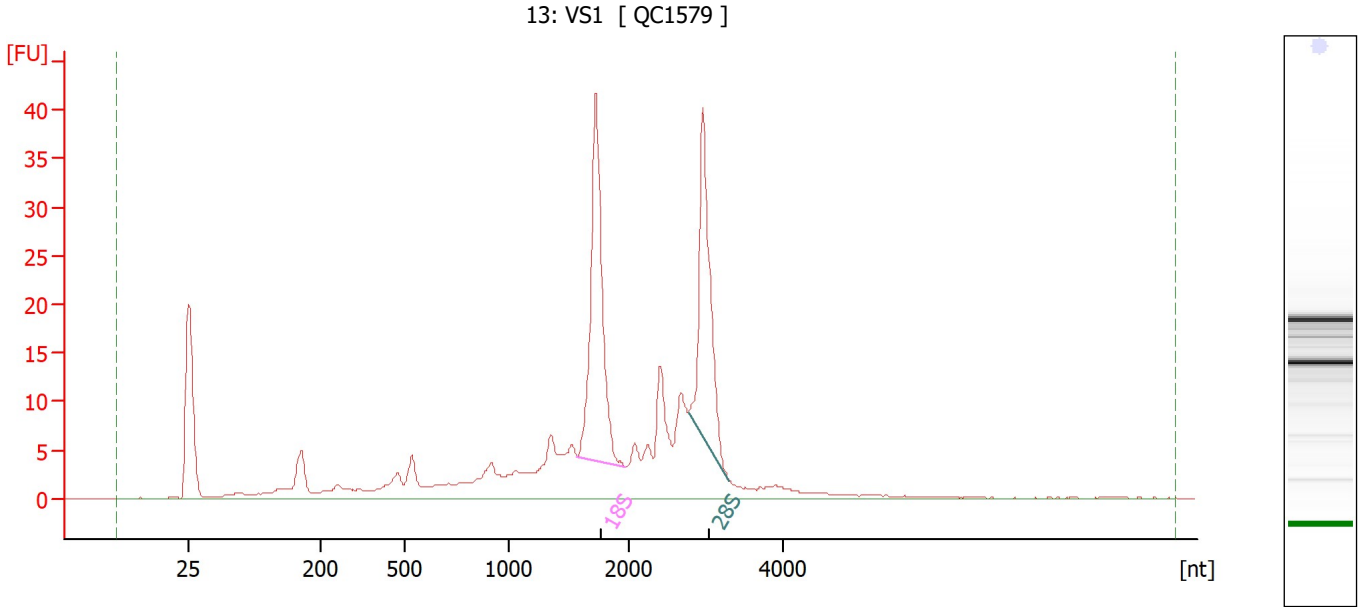
Fragment table for sample 2 : 8: E1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,991	26.0	15.8
28S	2,611	3,387	20.8	12.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 13: VS1

RNA Area: 283.0 RNA Integrity Number (RIN): 7.6 (B.02.10)
RNA Concentration: 203 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 7.60

Fragment table for sample 3 : 13: VS1

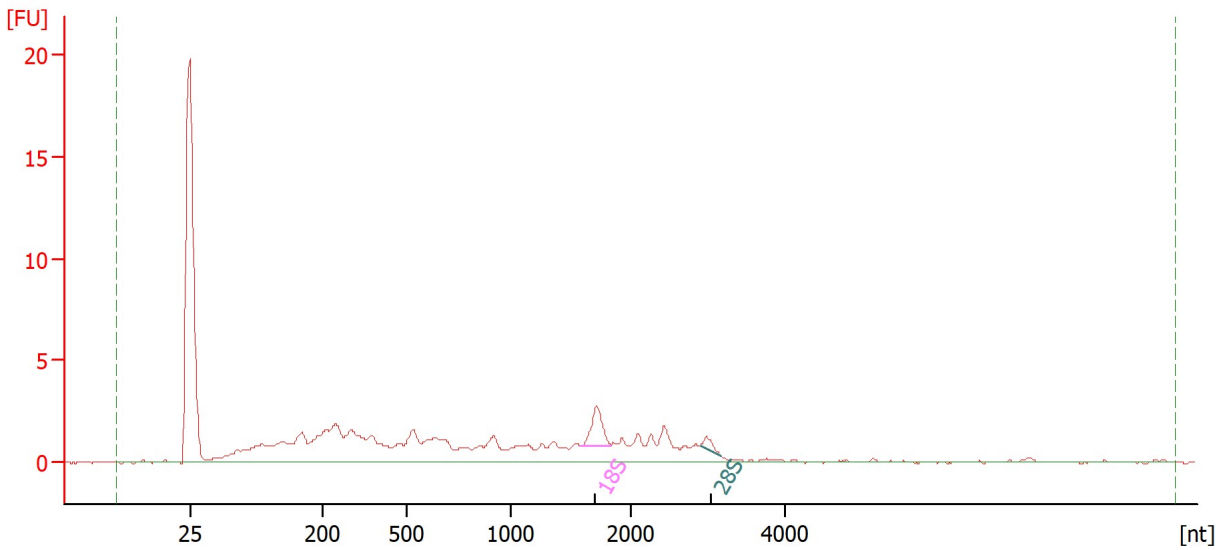
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,575	1,975	54.1	19.1
28S	2,777	3,302	41.6	14.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Electropherogram Summary Continued ...

14: E3 [QC1579]



Overall Results for sample 4 : 14: E3

RNA Area:	68.2	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.20

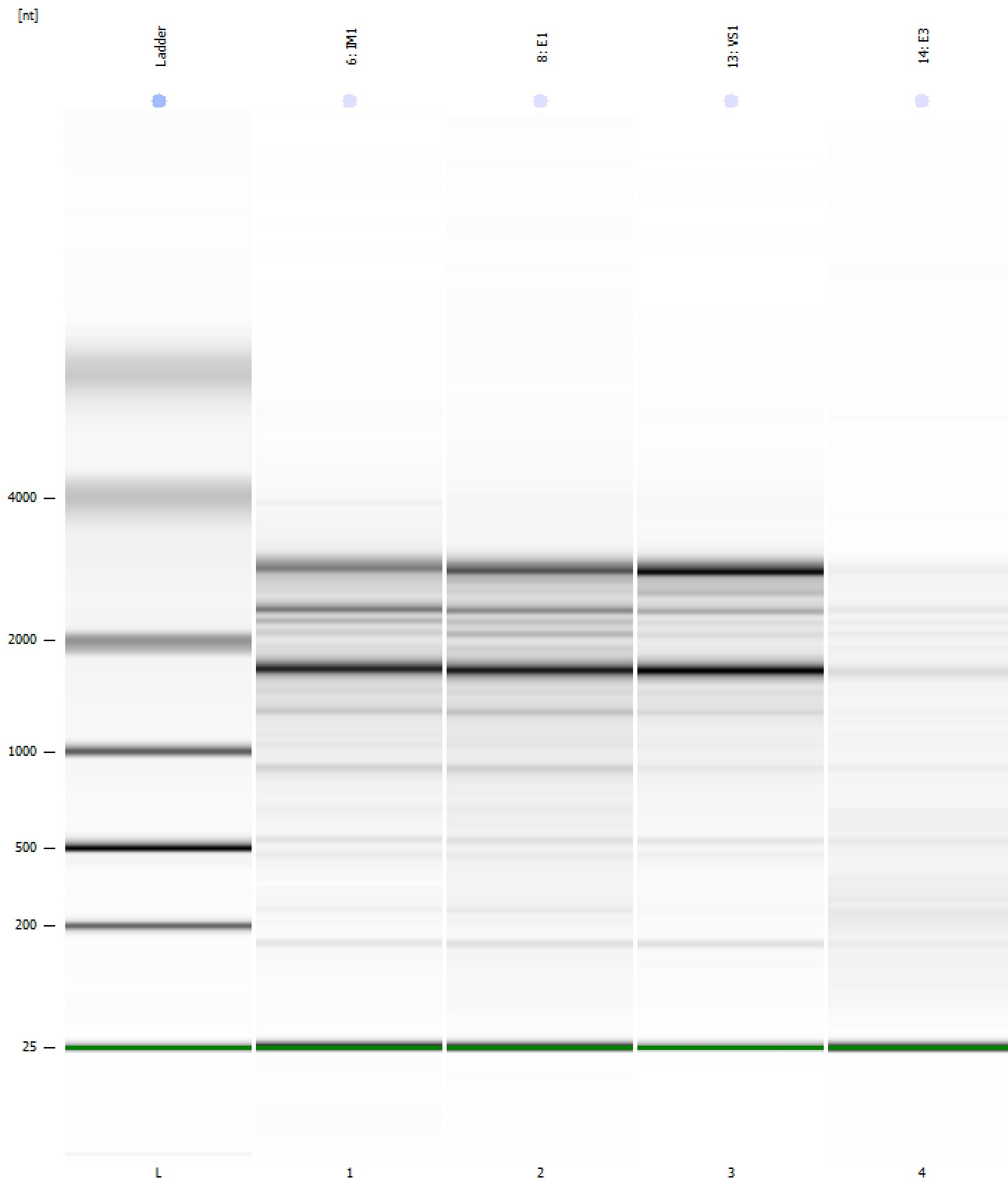
Fragment table for sample 4 : 14: E3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,842	2.6	3.9
28S	2,900	3,163	0.6	0.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Gel Image

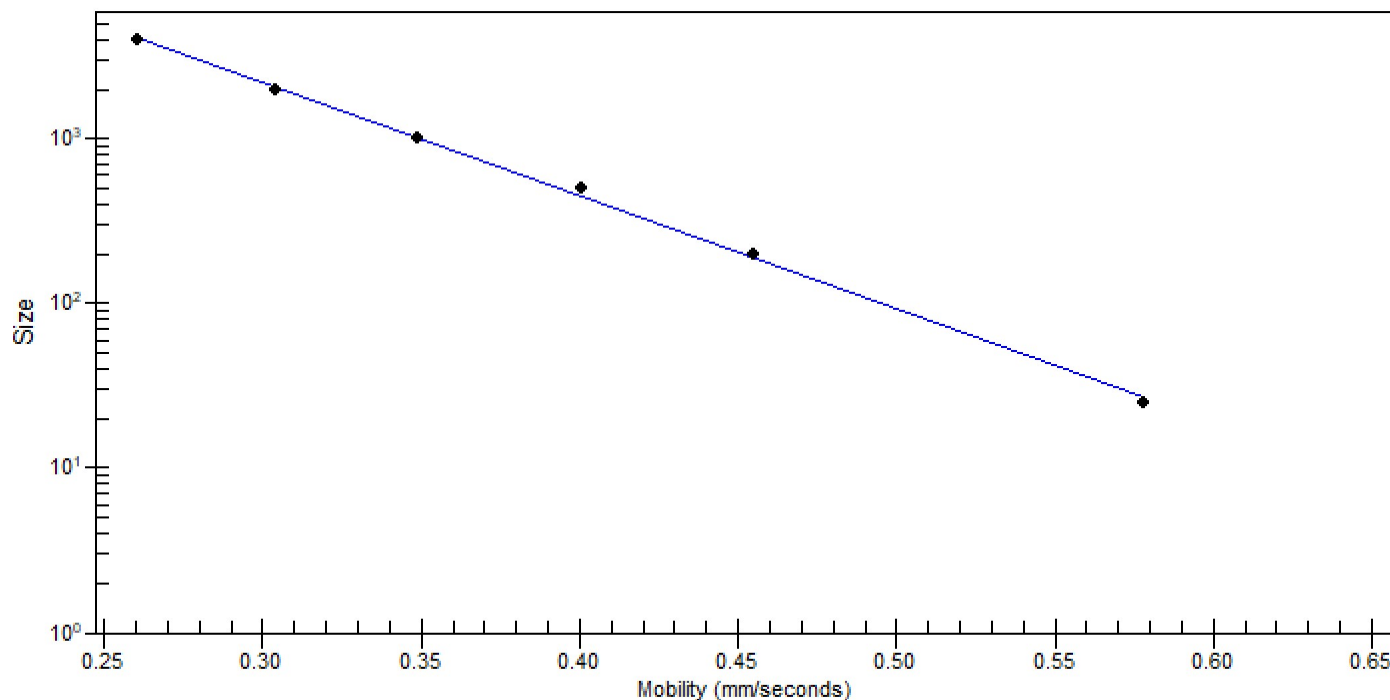


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
Modified: 8/15/2023 12:04:27 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ioanalyzer\2100 expert\data\2023-08-15\QC1579_6_8_13_14.xad

Created: 8/15/2023 11:43:22 AM
 Modified: 8/15/2023 12:04:27 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		8/15/2023 12:01:44 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\2023-08-15\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-08-15_001.xad)		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/15/2023 11:43:28 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB