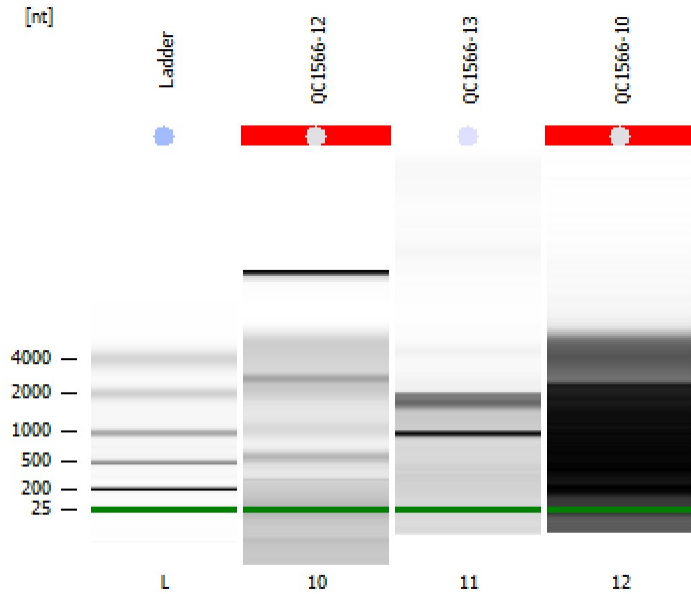


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Electrophoresis File Run Summary



Instrument Information:

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

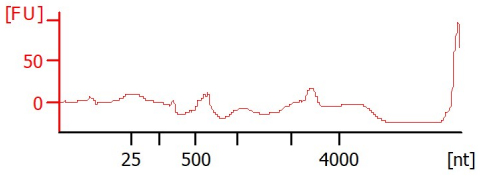
Assay Information:

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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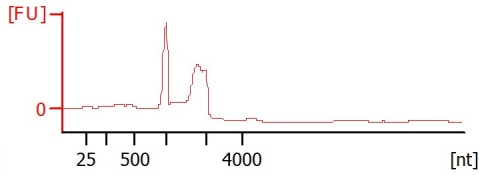
Chip Information:

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

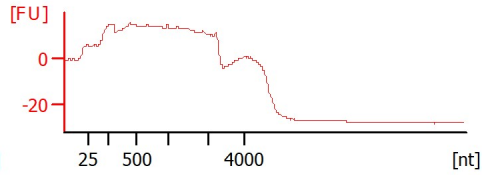
QC1566-12
TK_12_F7614
RIN N/A



QC1566-13
TK_13_F8186
RIN: 7.20



QC1566-10
TK_10_M8162
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
 Modified: 8/2/2023 2:39:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1566-12	TK_12_F7614	✓	RIN N/A	
QC1566-13	TK_13_F8186	✓	RIN: 7.20	
QC1566-10	TK_10_M8162	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 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

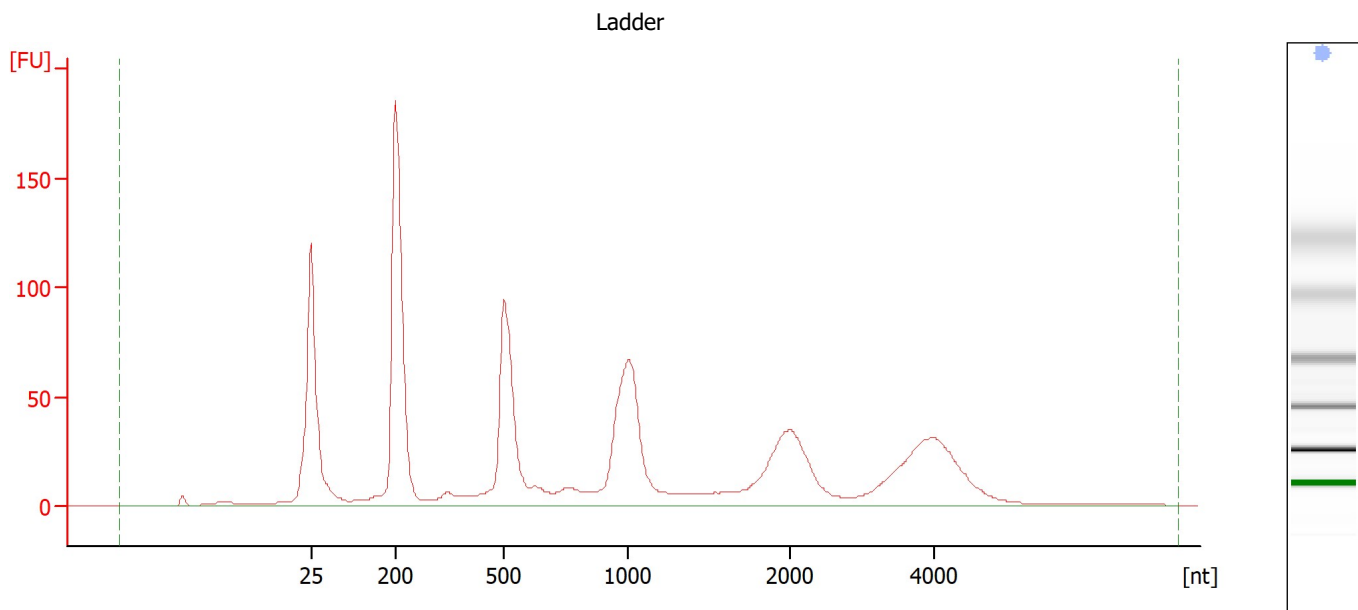
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Electropherogram Summary



Overall Results for Ladder

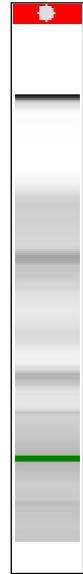
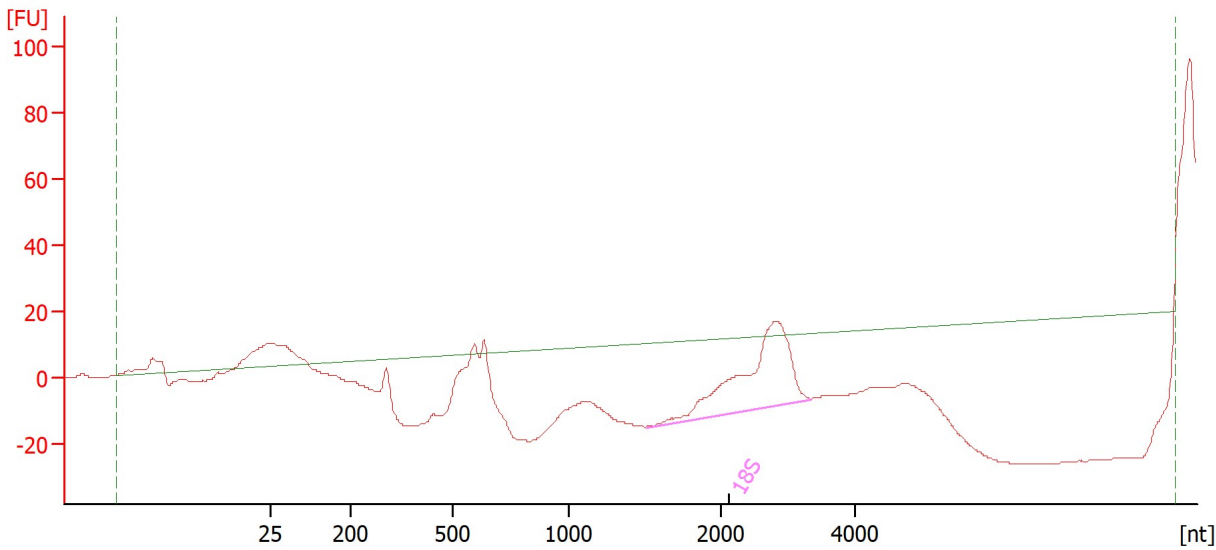
RNA Area:	1,243.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Electropherogram Summary Continued ...

QC1566-12 [TK_12_F7614]



Overall Results for sample 10 : QC1566-12

RNA Area:	31.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	4 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

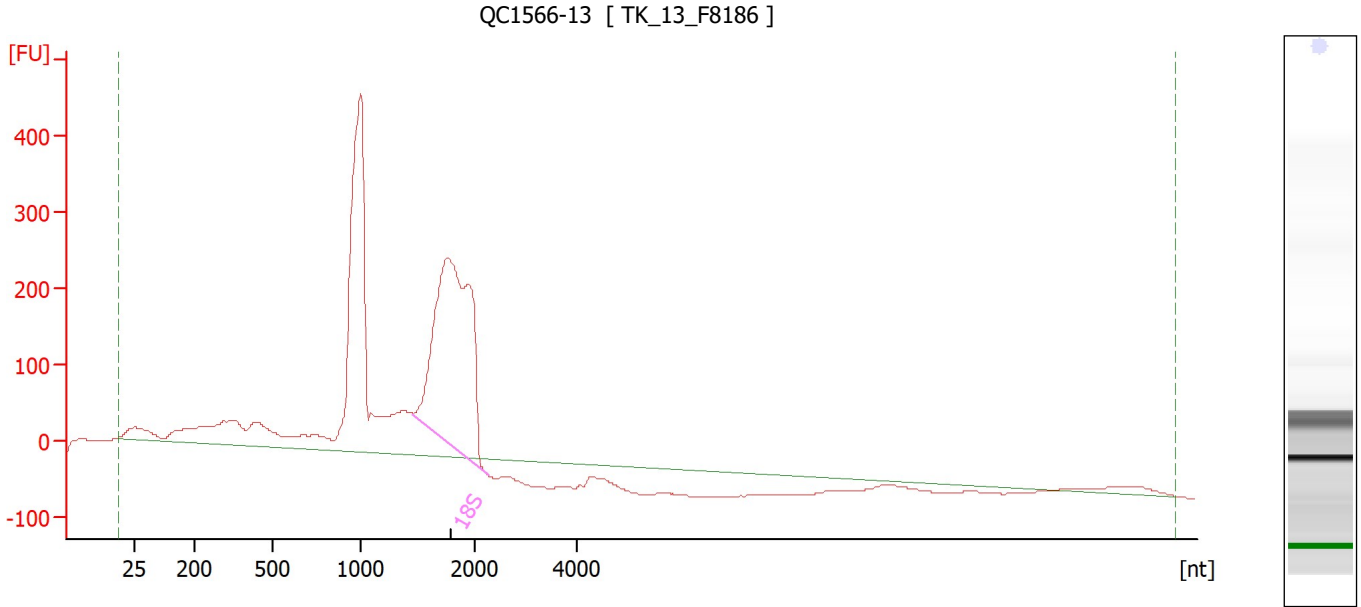
Fragment table for sample 10 : QC1566-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,509	3,344	131.0	418.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1566-13

RNA Area:	3,641.2	RNA Integrity Number (RIN):	7.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	439 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

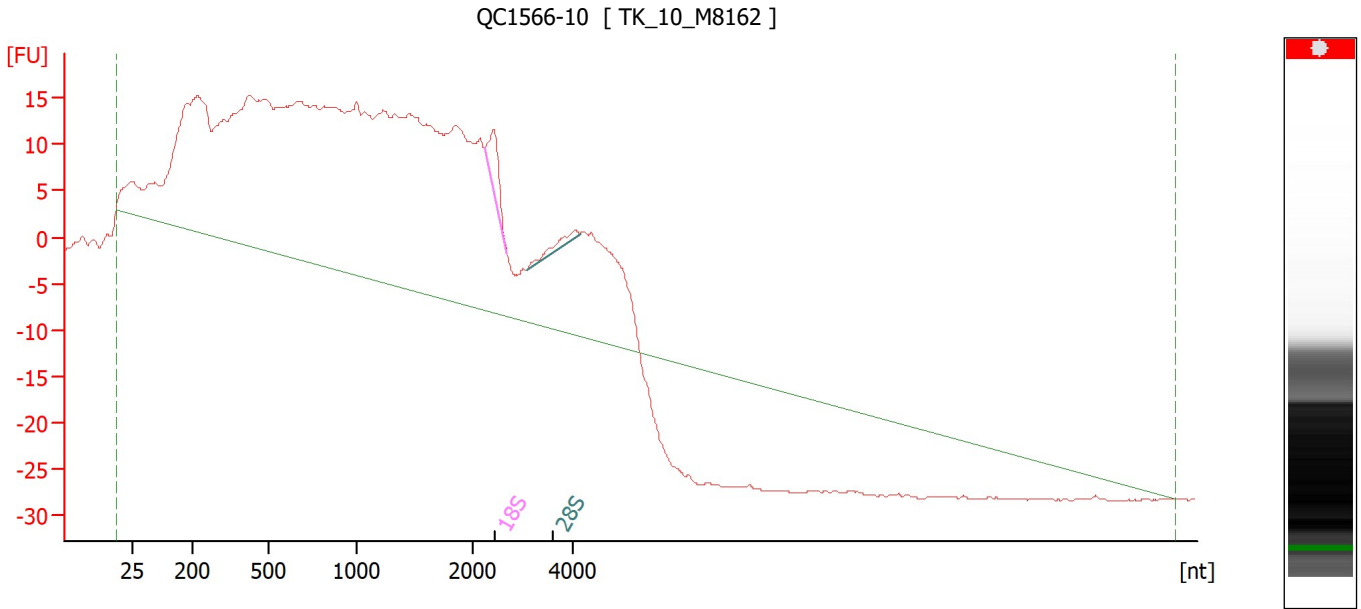
Fragment table for sample 11 : QC1566-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,461	2,254	1,395.0	38.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : QC1566-10

RNA Area:	1,021.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	123 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN N/A

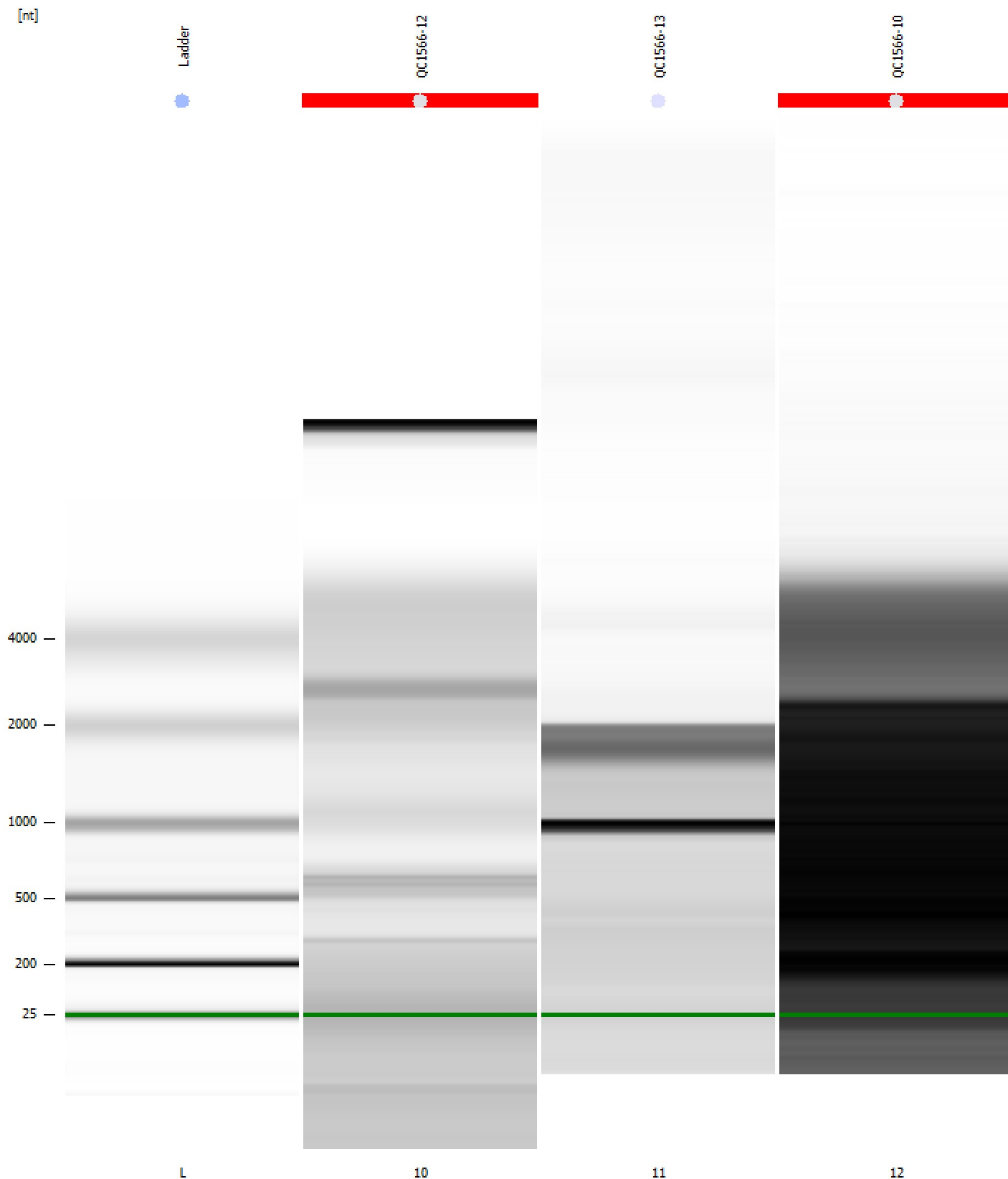
Fragment table for sample 12 : QC1566-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,250	2,691	9.9	1.0
28S	3,070	4,142	3.6	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Gel Image

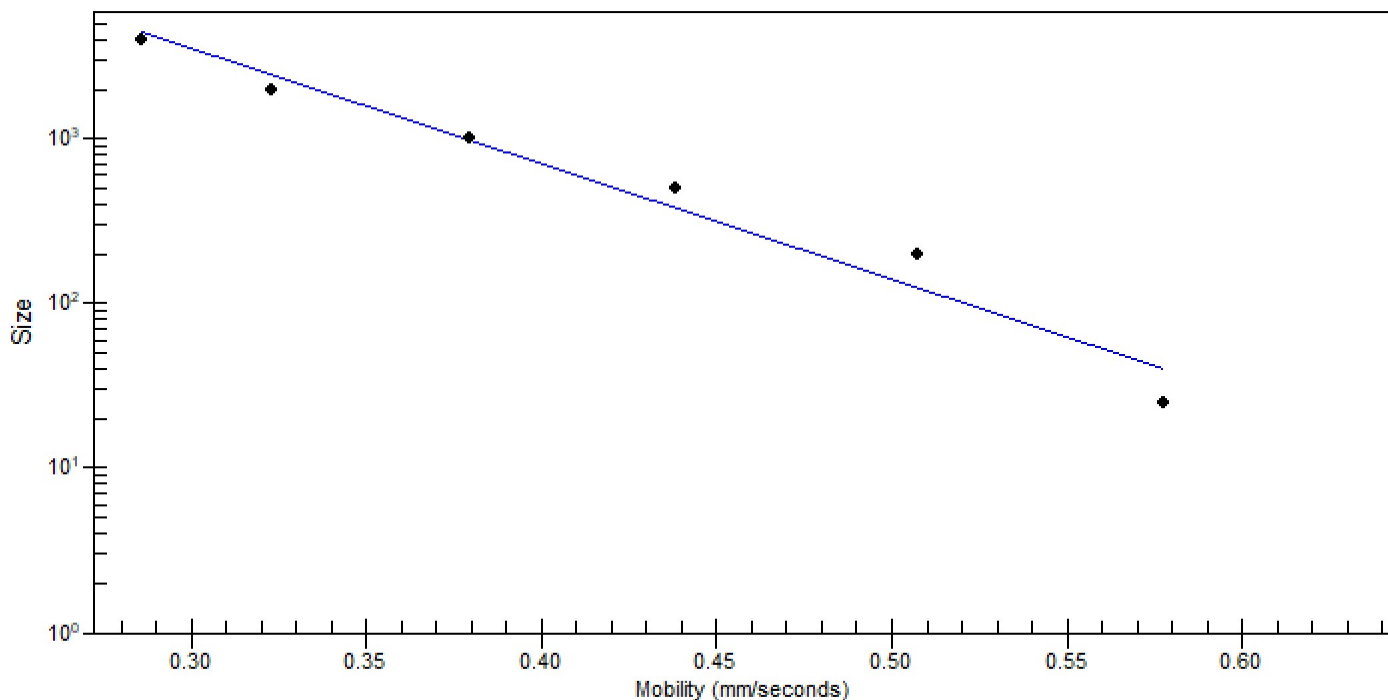


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad

Created: 8/2/2023 11:50:22 AM
Modified: 8/2/2023 2:39:46 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 8/2/2023 11:50:22 AM
 Data Path: C:\...bioanalyzer\2100 expert\data\2023-08-02\QC1566_10_12-13.xad Modified: 8/2/2023 2:39:46 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		8/2/2023 12:14:15 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\2023-08-02\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-08-02_001.xad)		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB