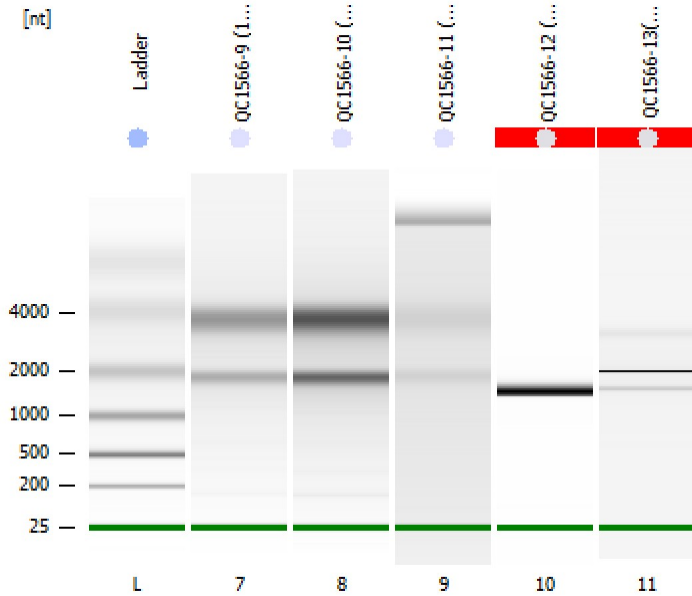


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electrophoresis File Run Summary



Instrument Information:

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

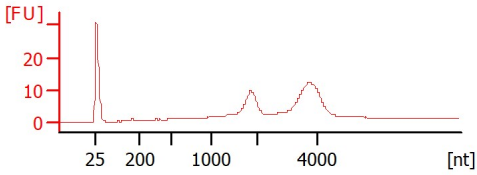
Assay Information:

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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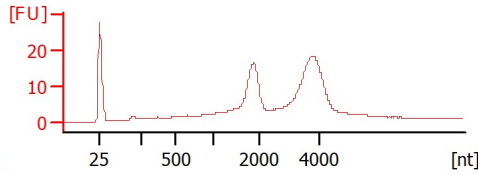
Chip Information:

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

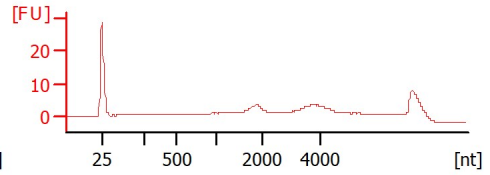
QC1566-9 (1:80)
TK_9_M8156
RIN: 8.60



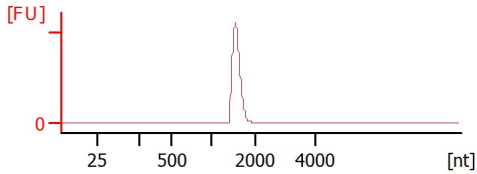
QC1566-10 (1:80)
TK_10_M8162
RIN: 8.90



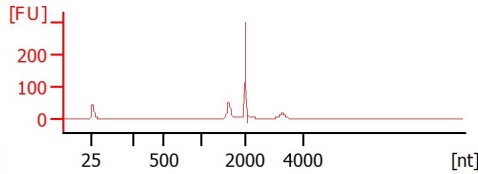
QC1566-11 (1:80)
TK_11_M9255
RIN: 2.20



QC1566-12 (1:80)
TK_12_F7614
RIN N/A



QC1566-13(1:80)
TK_13_F8186
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
 Modified: 8/4/2023 4:04:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1566-9 (1:80)	TK_9_M8156	✓	RIN: 8.60	
QC1566-10 (1:80)	TK_10_M8162	✓	RIN: 8.90	
QC1566-11 (1:80)	TK_11_M9255	✓	RIN: 2.20	
QC1566-12 (1:80)	TK_12_F7614	✓	RIN N/A	
QC1566-13(1:80)	TK_13_F8186	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 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

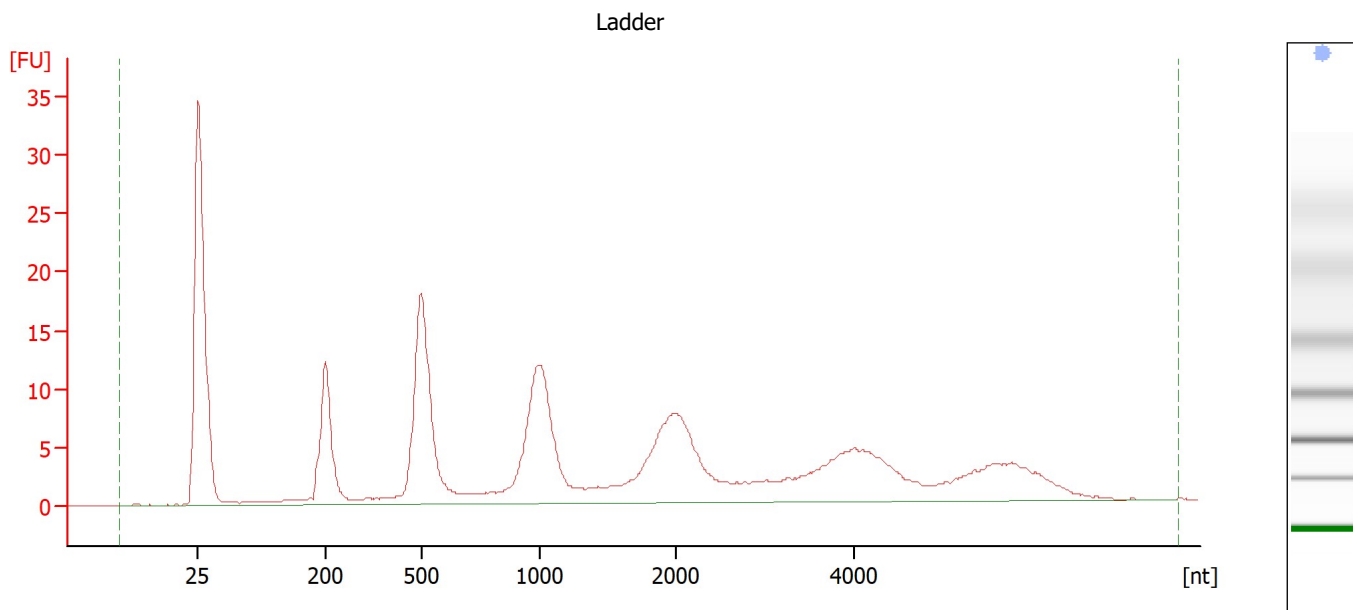
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary



Overall Results for Ladder

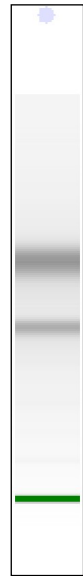
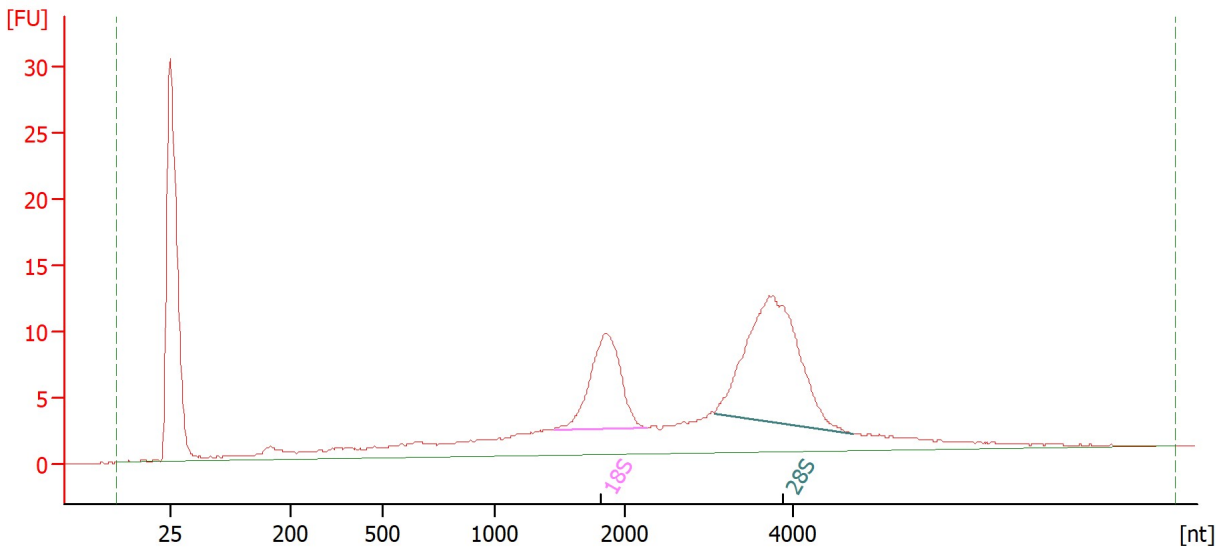
RNA Area:	254.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary Continued ...

QC1566-9 (1:80) [TK_9_M8156]



Overall Results for sample 7 : QC1566-9 (1:80)

RNA Area:	203.7	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	801 pg/μl		
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.60

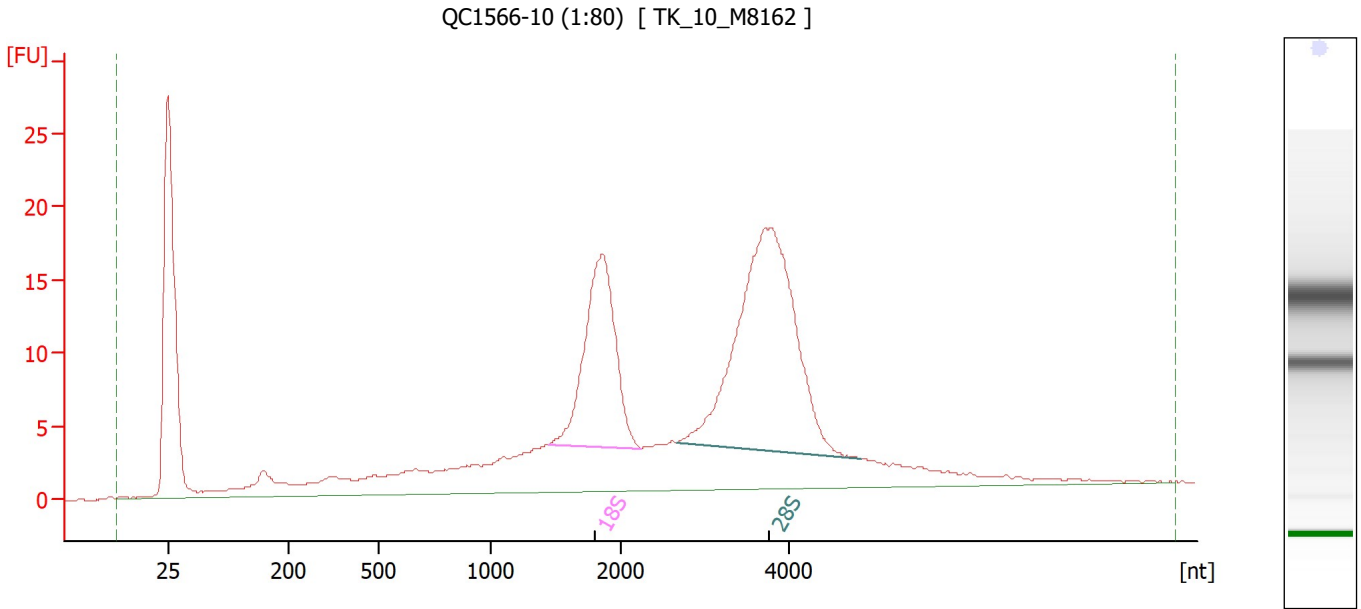
Fragment table for sample 7 : QC1566-9 (1:80)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	2,254	28.2	13.8
28S	3,061	4,686	54.6	26.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1566-10 (1:80)

RNA Area:	323.9	RNA Integrity Number (RIN):	8.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,273 pg/μl		
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.90

Fragment table for sample 8 : QC1566-10 (1:80)

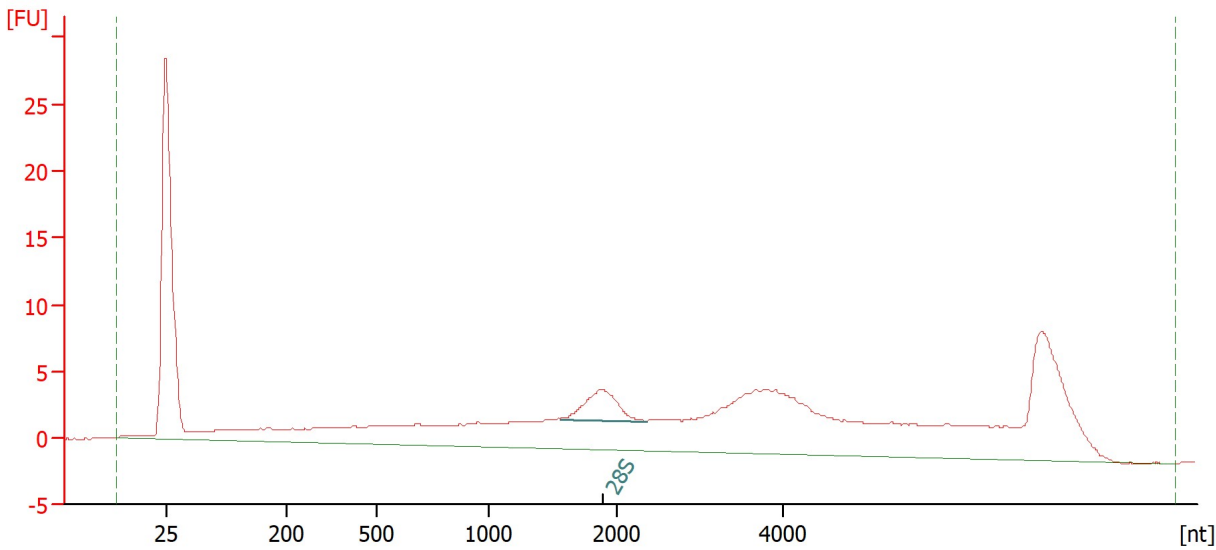
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,451	2,254	51.9	16.0
28S	2,672	4,850	97.6	30.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary Continued ...

QC1566-11 (1:80) [TK_11_M9255]



Overall Results for sample 9 : QC1566-11 (1:80)

RNA Area:	228.0	RNA Integrity Number (RIN):	2.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	896 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

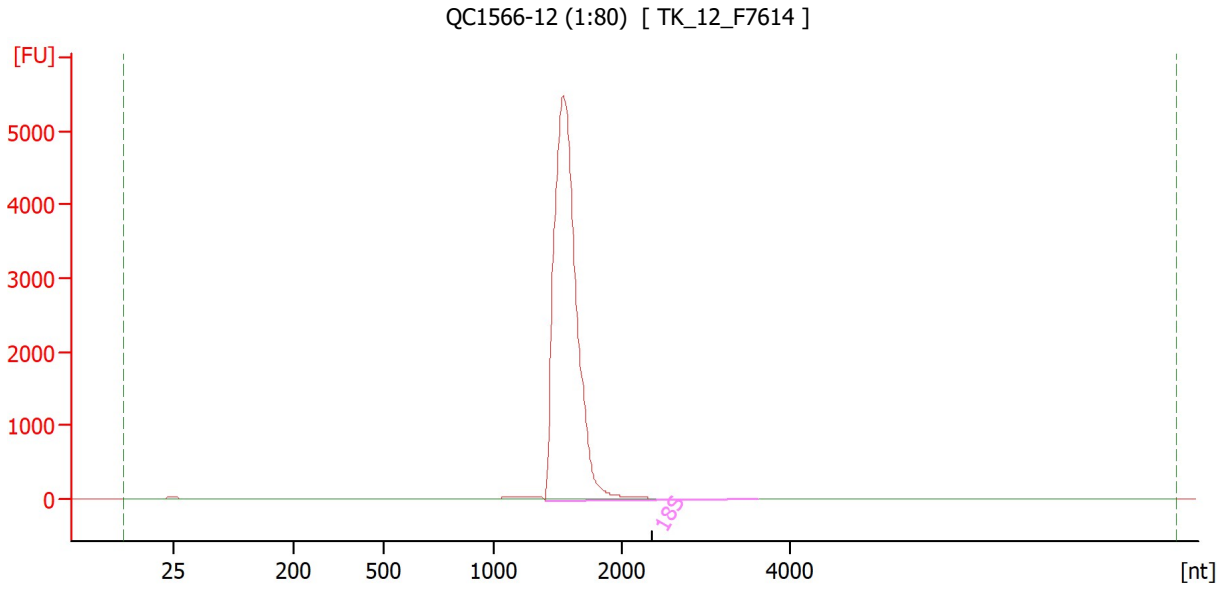
Fragment table for sample 9 : QC1566-11 (1:80)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,565	2,356	9.2	4.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1566-12 (1:80)

RNA Area:	16,802.8	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	66,043 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN N/A

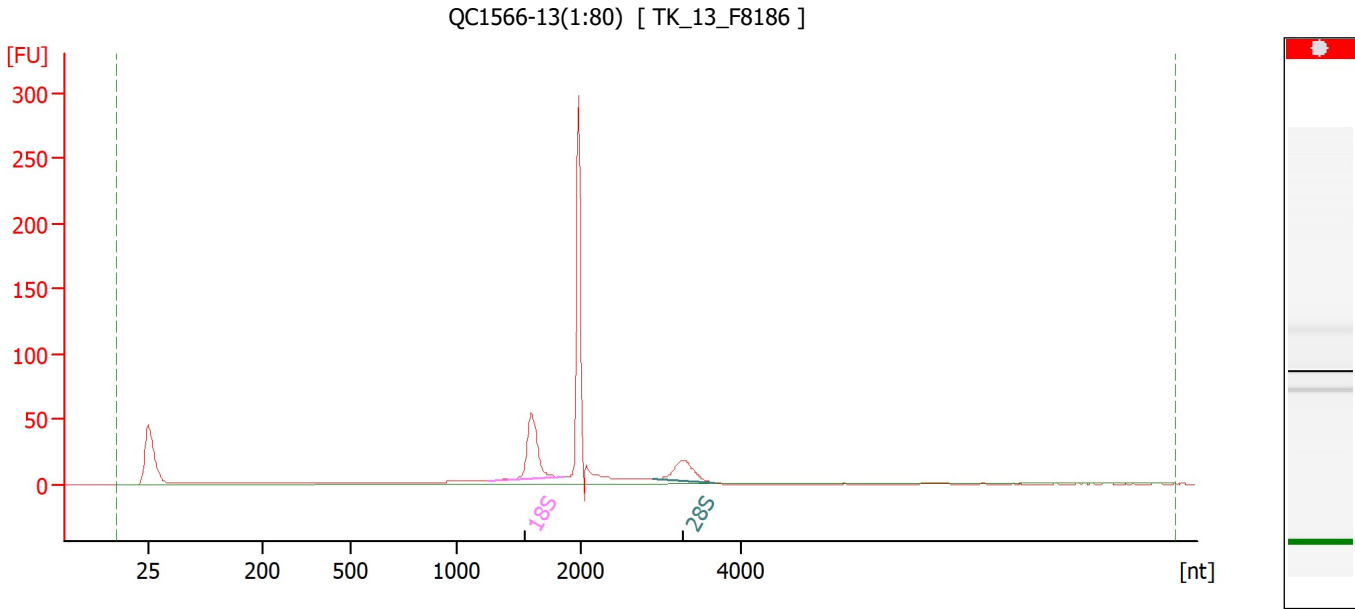
Fragment table for sample 10 : QC1566-12 (1:80)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,400	3,612	16,904.1	100.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1566-13(1:80)

RNA Area:	428.0	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,682 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN N/A

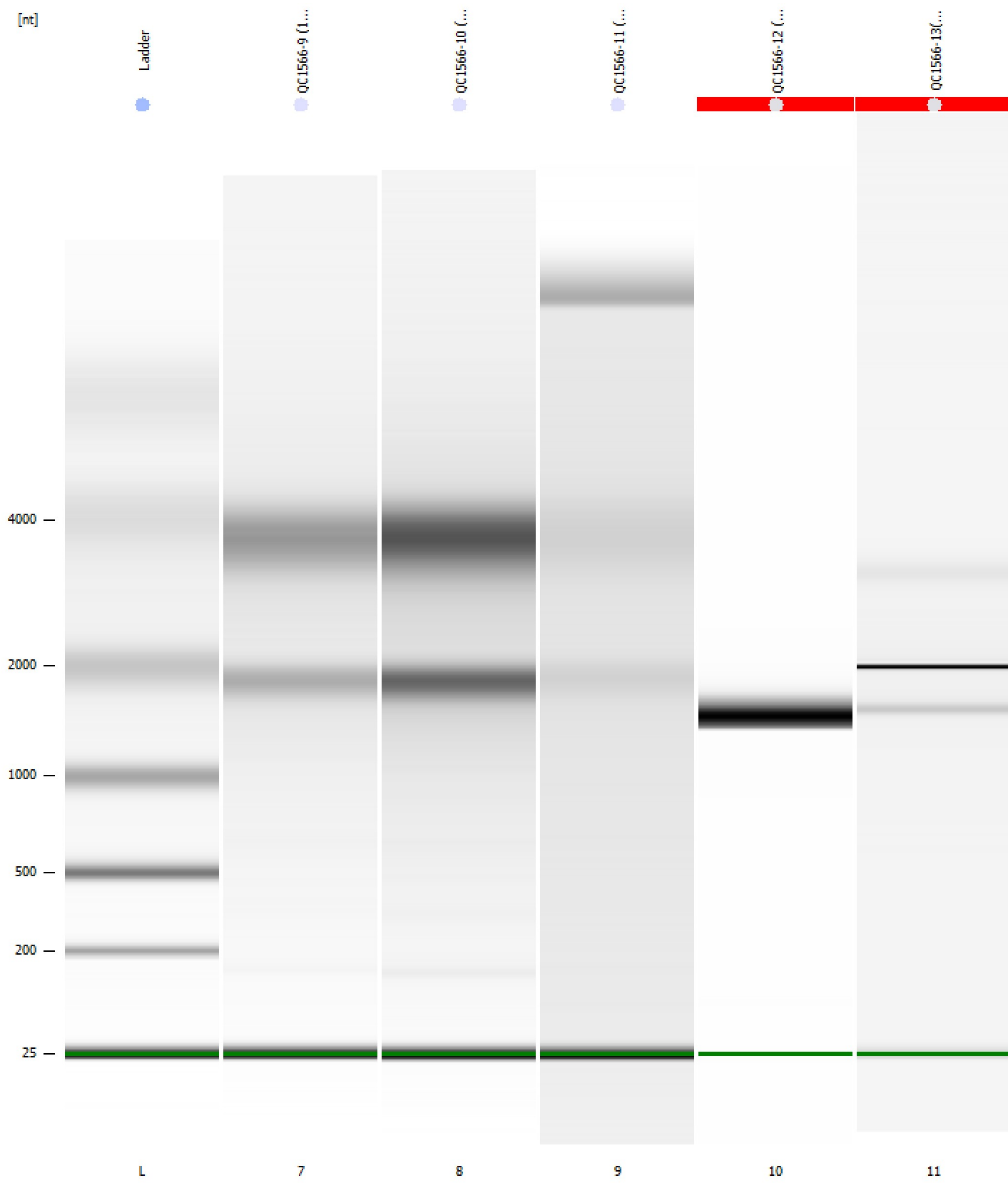
Fragment table for sample 11 : QC1566-13(1:80)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,255	1,864	71.8	16.8
28S	2,906	3,660	38.4	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Gel Image

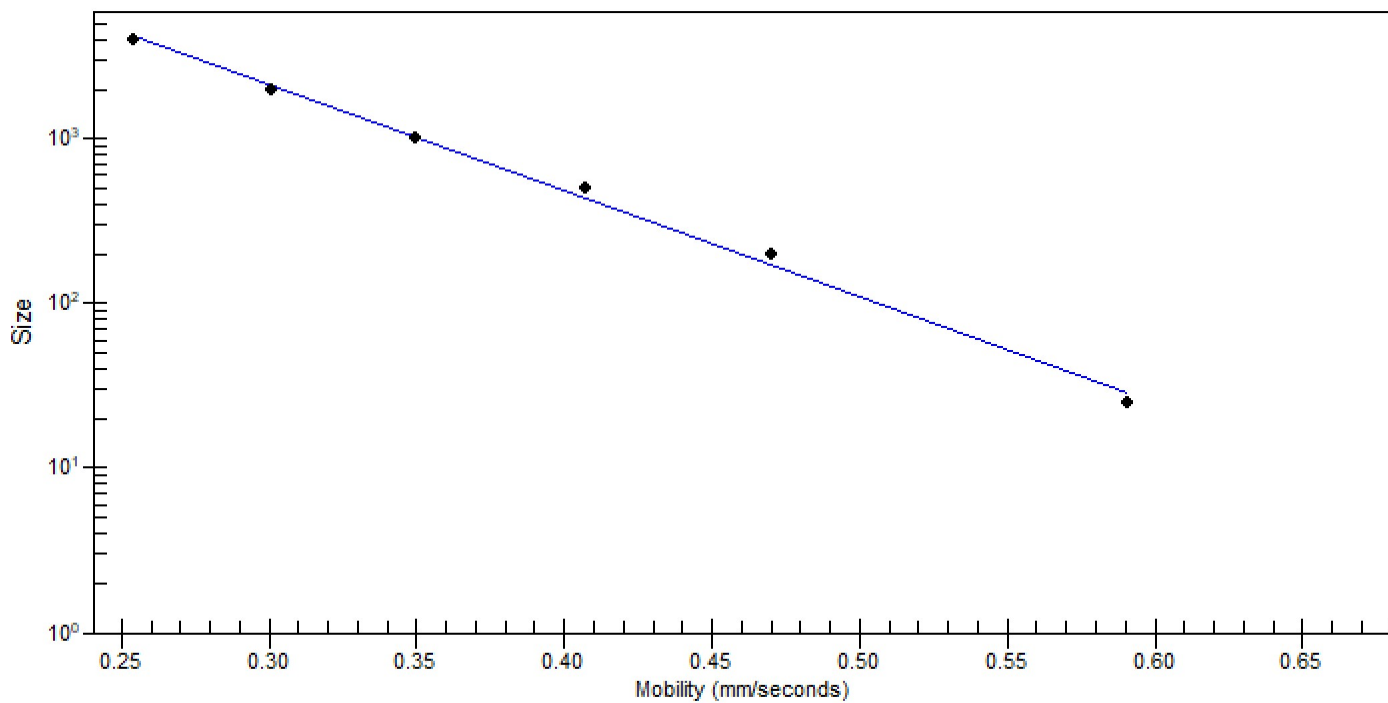


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
Modified: 8/4/2023 4:04:44 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\QC1566_9-13.xad

Created: 8/4/2023 3:07:51 PM
 Modified: 8/4/2023 4:04:44 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		8/4/2023 3:30:40 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\2023-08-04\Bioan_GA_080223_Eukaryote Total RNA Pico_DE34903152_2023-08-04_Product Number : G2938C		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB