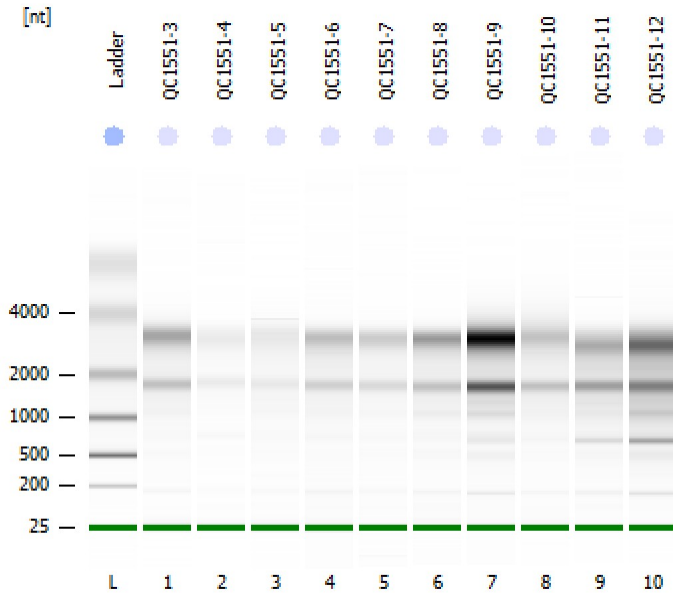


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electrophoresis File Run Summary



Instrument Information:

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

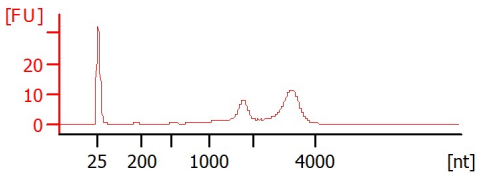
Assay Information:

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.

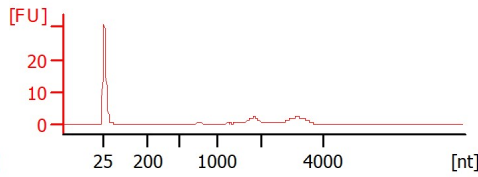
Chip Information:

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

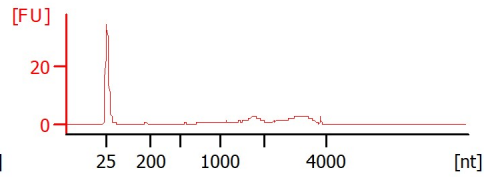
QC1551-3
DLKD0R13
RIN: 8.80



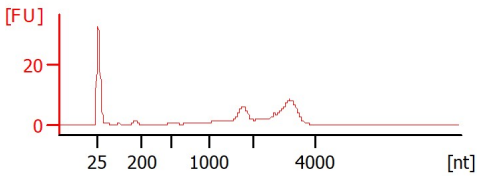
QC1551-4
DLKD7R13
RIN: 8.30



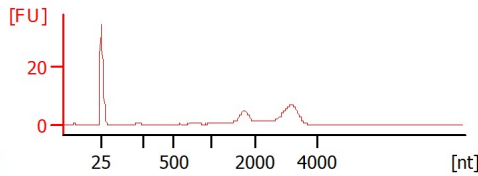
QC1551-5
WTD0R14
RIN: 4.50



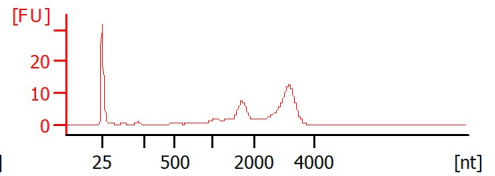
QC1551-6
WTD7R14
RIN: 8.10



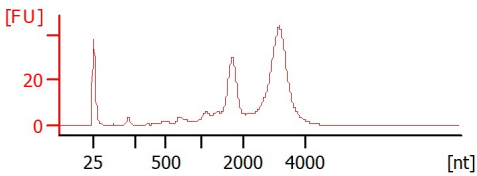
QC1551-7
DLKD0R14
RIN: 8.40



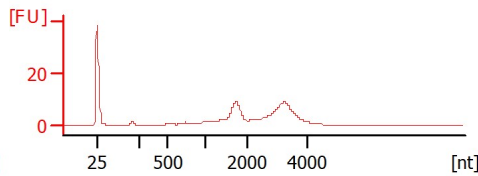
QC1551-8
DLKD7R14
RIN: 8.70



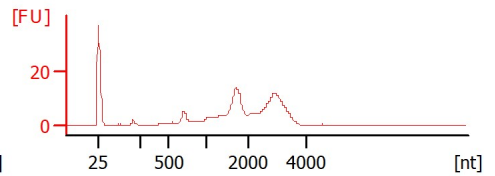
QC1551-9
WTD0R15
RIN: 9.40



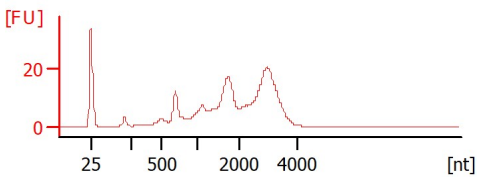
QC1551-10
WTD7R15
RIN: 8.80



QC1551-11
DLKD0R15
RIN: 8.60



QC1551-12
DLKD7R15
RIN: 8.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
 Modified: 7/19/2023 5:23:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1551-3	DLKD0R13	✓	RIN: 8.80	
QC1551-4	DLKD7R13	✓	RIN: 8.30	
QC1551-5	WTD0R14	✓	RIN: 4.50	
QC1551-6	WTD7R14	✓	RIN: 8.10	
QC1551-7	DLKD0R14	✓	RIN: 8.40	
QC1551-8	DLKD7R14	✓	RIN: 8.70	
QC1551-9	WTD0R15	✓	RIN: 9.40	
QC1551-10	WTD7R15	✓	RIN: 8.80	
QC1551-11	DLKD0R15	✓	RIN: 8.60	
QC1551-12	DLKD7R15	✓	RIN: 8.20	
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\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 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

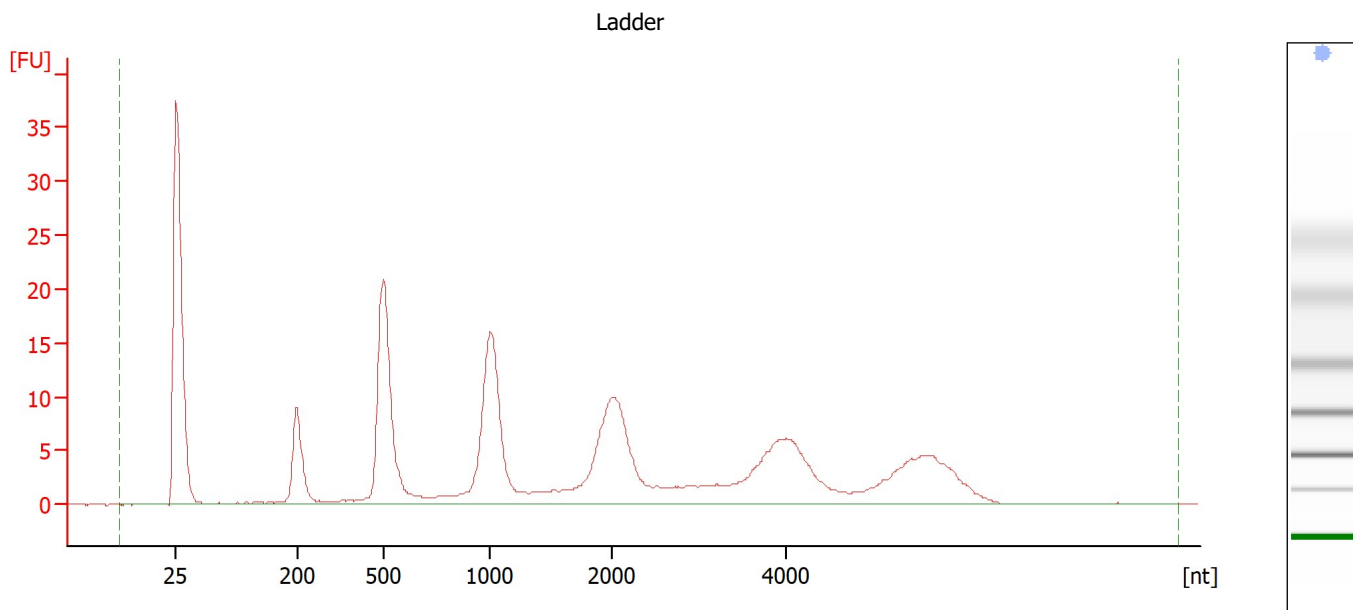
Ladder

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\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary



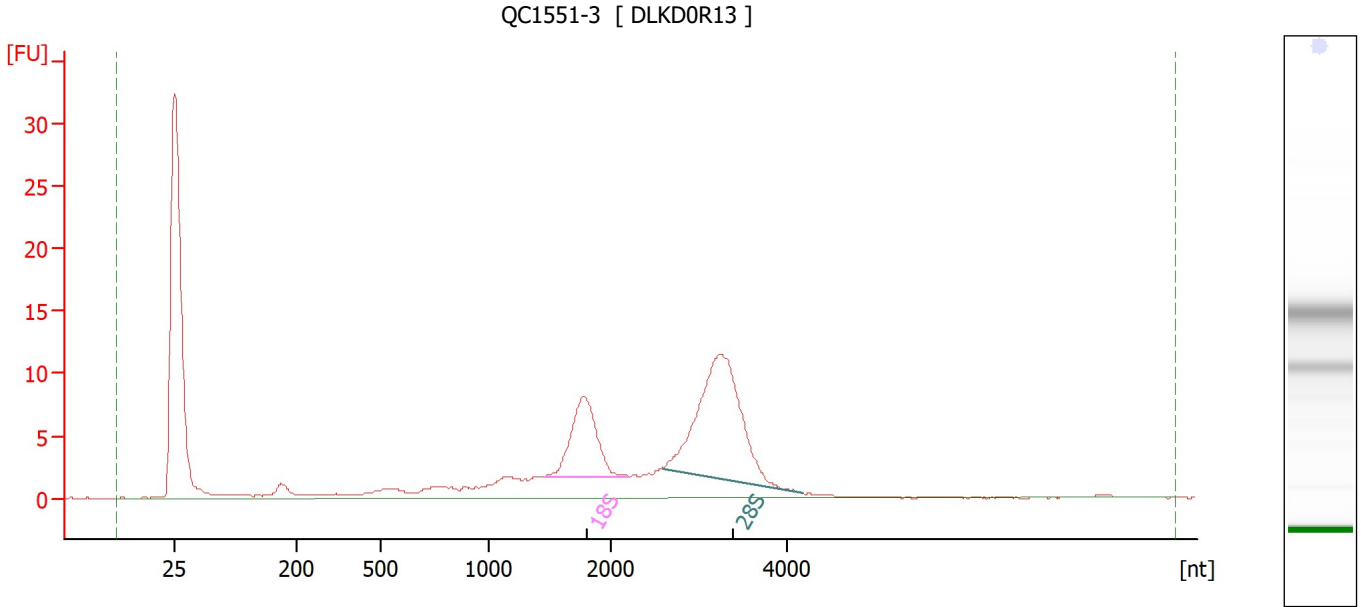
Overall Results for Ladder

RNA Area:	252.1	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\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1551-3

RNA Area: 144.1 RNA Integrity Number (RIN): 8.8 (B.02.10)
RNA Concentration: 571 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN: 8.80

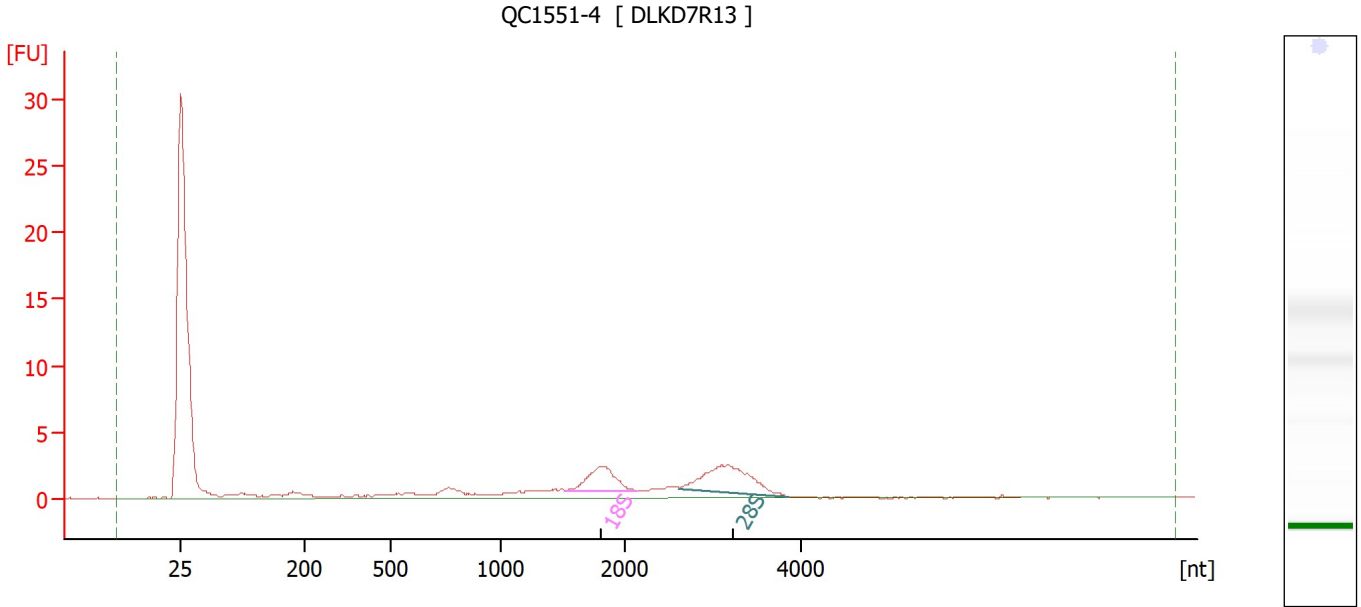
Fragment table for sample 1 : QC1551-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,458	2,196	21.4	14.8
28S	2,588	4,192	48.7	33.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1551-4

RNA Area: 45.7 RNA Integrity Number (RIN): 8.3 (B.02.10)
RNA Concentration: 181 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.30

Fragment table for sample 2 : QC1551-4

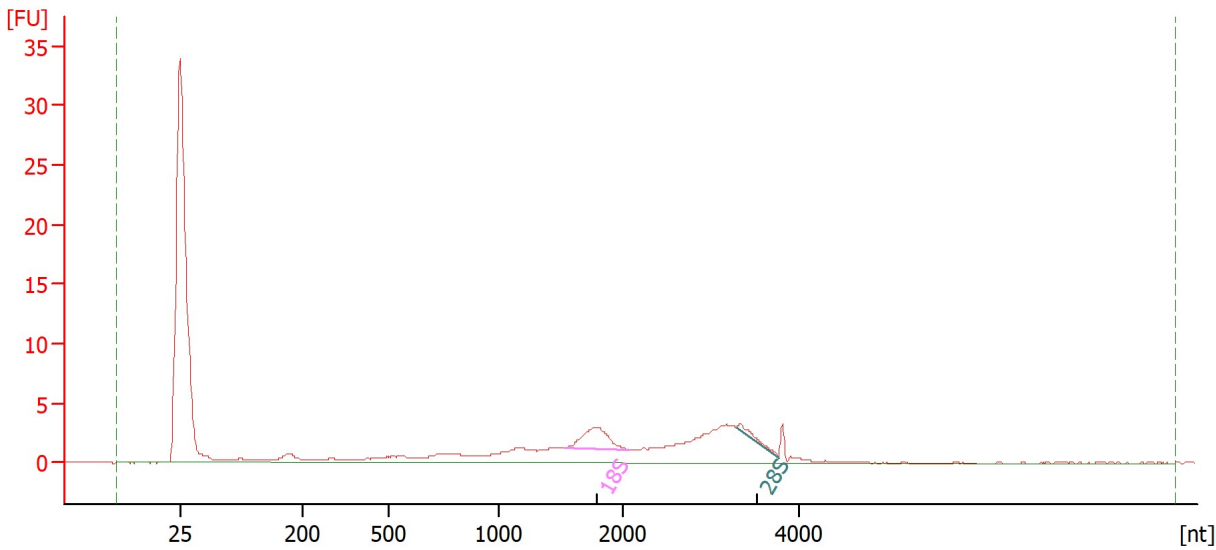
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	2,139	6.3	13.8
28S	2,622	3,866	10.6	23.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...

QC1551-5 [WTD0R14]



Overall Results for sample 3 : QC1551-5

RNA Area:	76.0	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	301 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 4.50

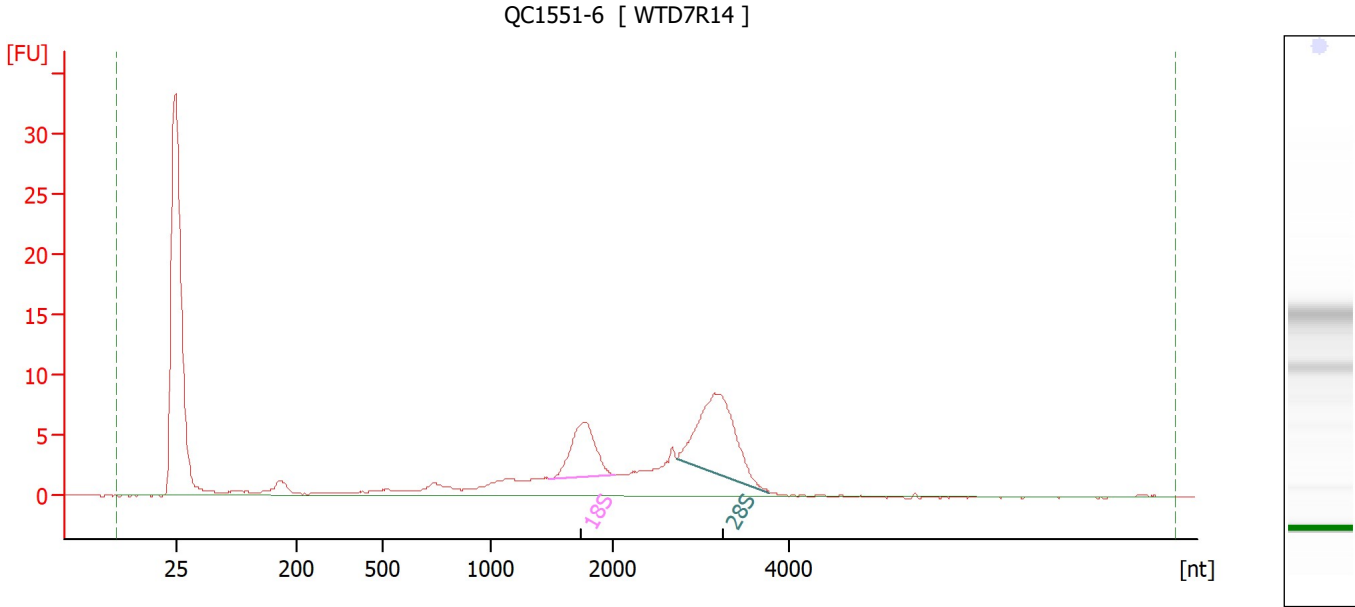
Fragment table for sample 3 : QC1551-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	2,078	5.8	7.6
28S	3,301	3,773	0.9	1.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1551-6

RNA Area: 115.1 RNA Integrity Number (RIN): 8.1 (B.02.10)
RNA Concentration: 456 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.10

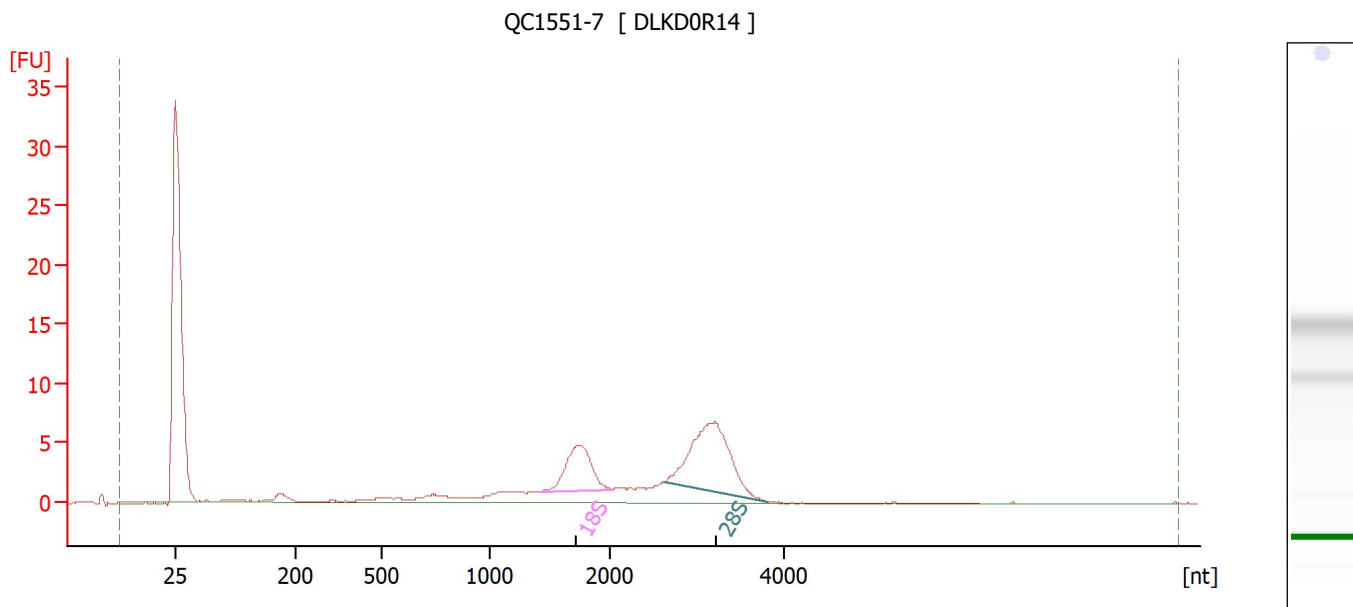
Fragment table for sample 4 : QC1551-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,477	2,014	14.5	12.6
28S	2,722	3,785	27.7	24.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
 Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1551-7

RNA Area:	83.0	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	329 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.40

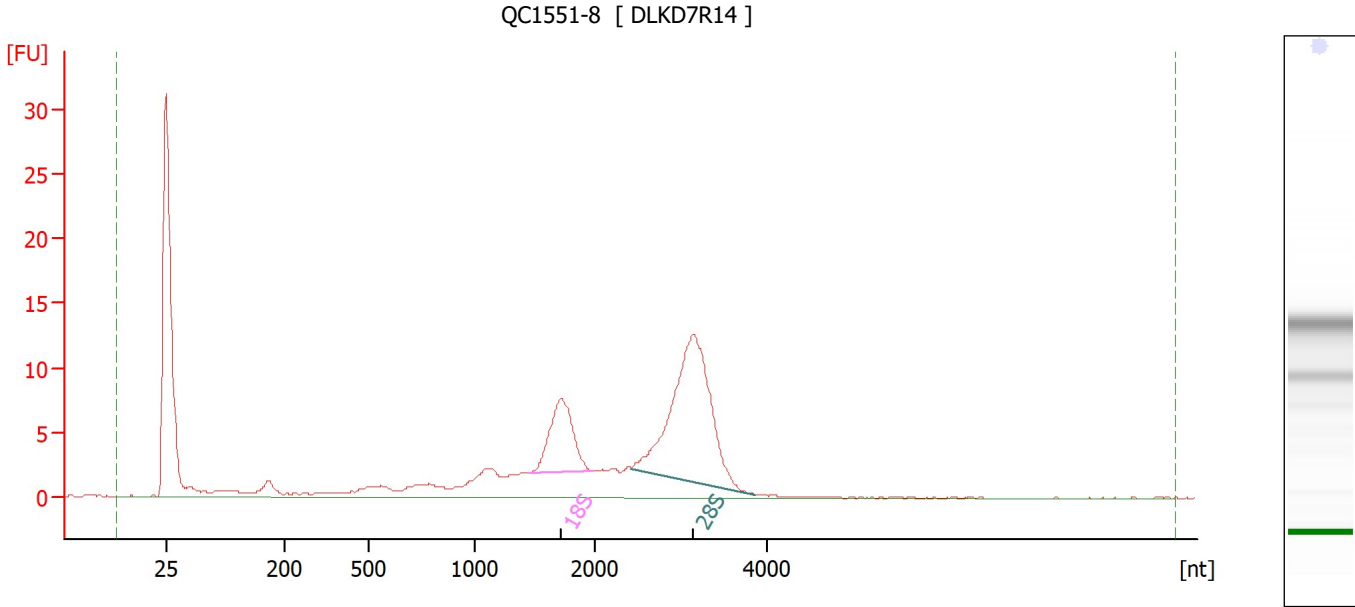
Fragment table for sample 5 : QC1551-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,419	2,023	12.8	15.5
28S	2,613	3,819	26.7	32.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1551-8

RNA Area: 147.9 RNA Integrity Number (RIN): 8.7 (B.02.10)
RNA Concentration: 587 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.8 Result Flagging Label: RIN: 8.70

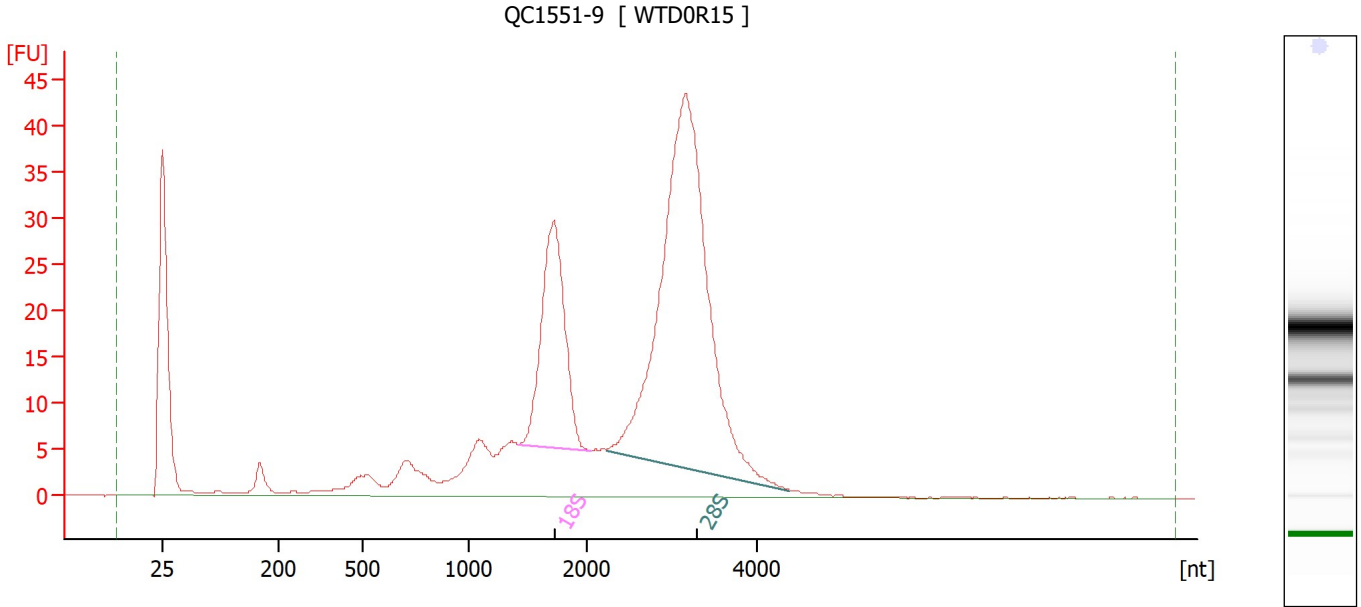
Fragment table for sample 6 : QC1551-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,451	1,977	18.0	12.2
28S	2,416	3,863	51.2	34.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1551-9

RNA Area: 494.2 RNA Integrity Number (RIN): 9.4 (B.02.10)
RNA Concentration: 1,960 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.8 Result Flagging Label: RIN: 9.40

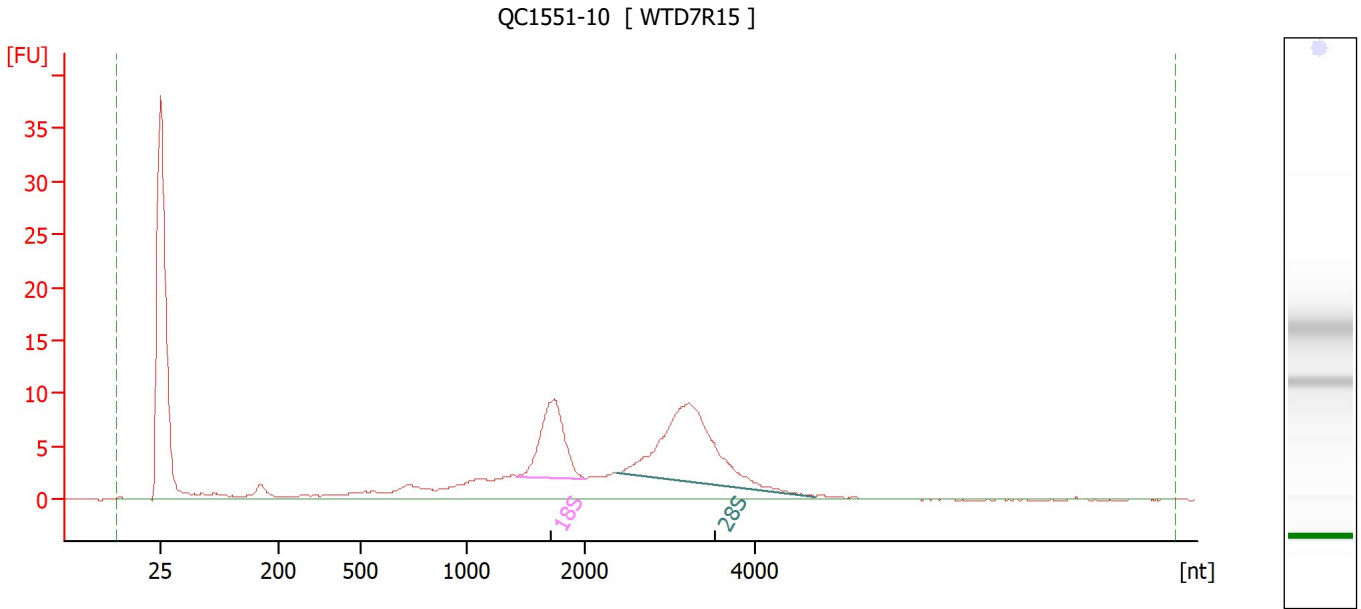
Fragment table for sample 7 : QC1551-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,425	2,039	77.5	15.7
28S	2,228	4,379	219.2	44.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1551-10

RNA Area: 163.1 RNA Integrity Number (RIN): 8.8 (B.02.10)
RNA Concentration: 647 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.80

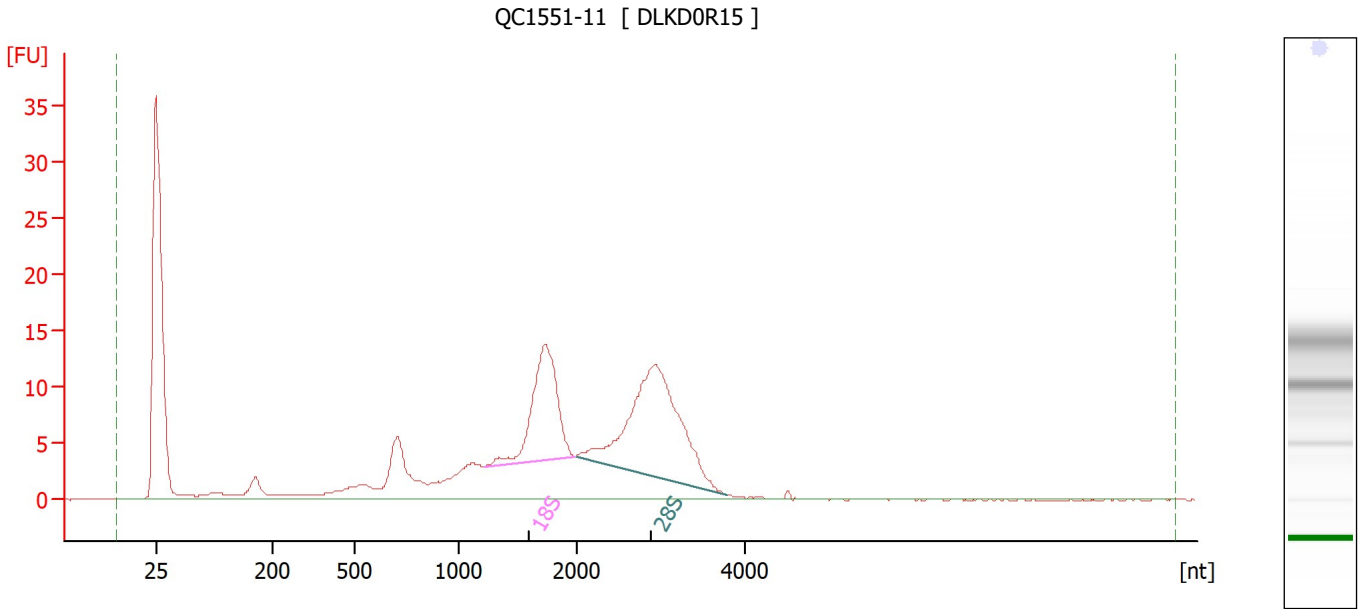
Fragment table for sample 8 : QC1551-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,423	2,000	23.6	14.5
28S	2,366	4,712	46.9	28.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1551-11

RNA Area:	226.3	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	897 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

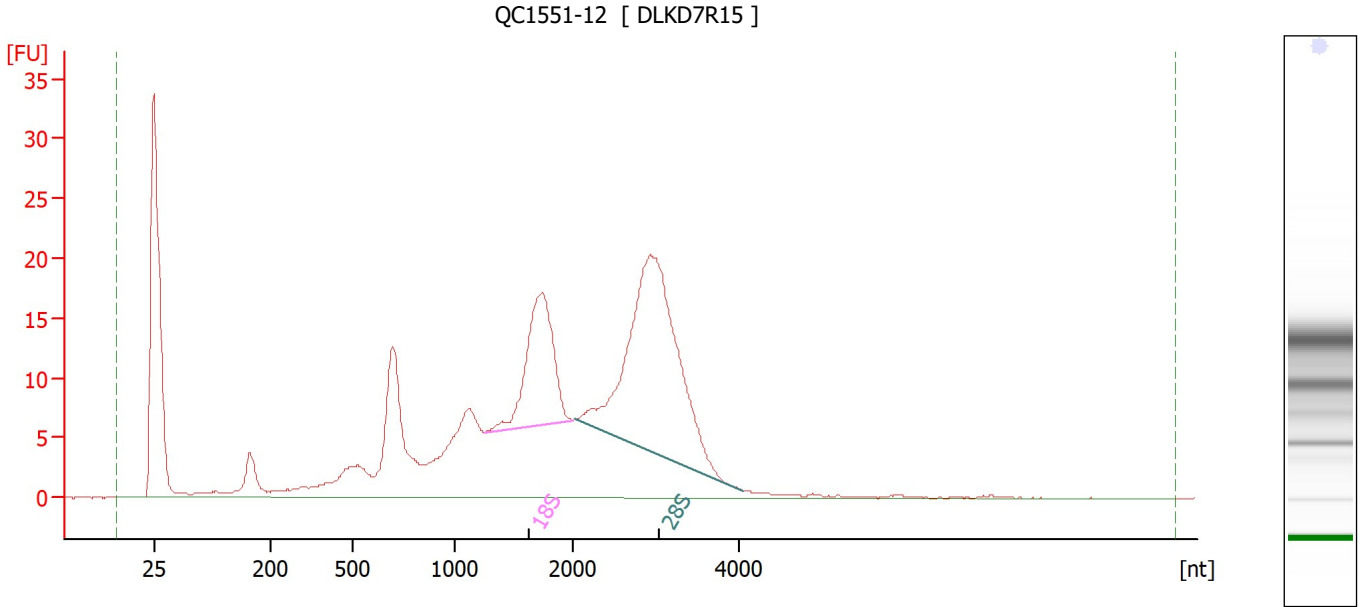
Fragment table for sample 9 : QC1551-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,214	1,979	35.2	15.5
28S	1,997	3,791	61.2	27.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1551-12

RNA Area:	388.4	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,540 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN: 8.20

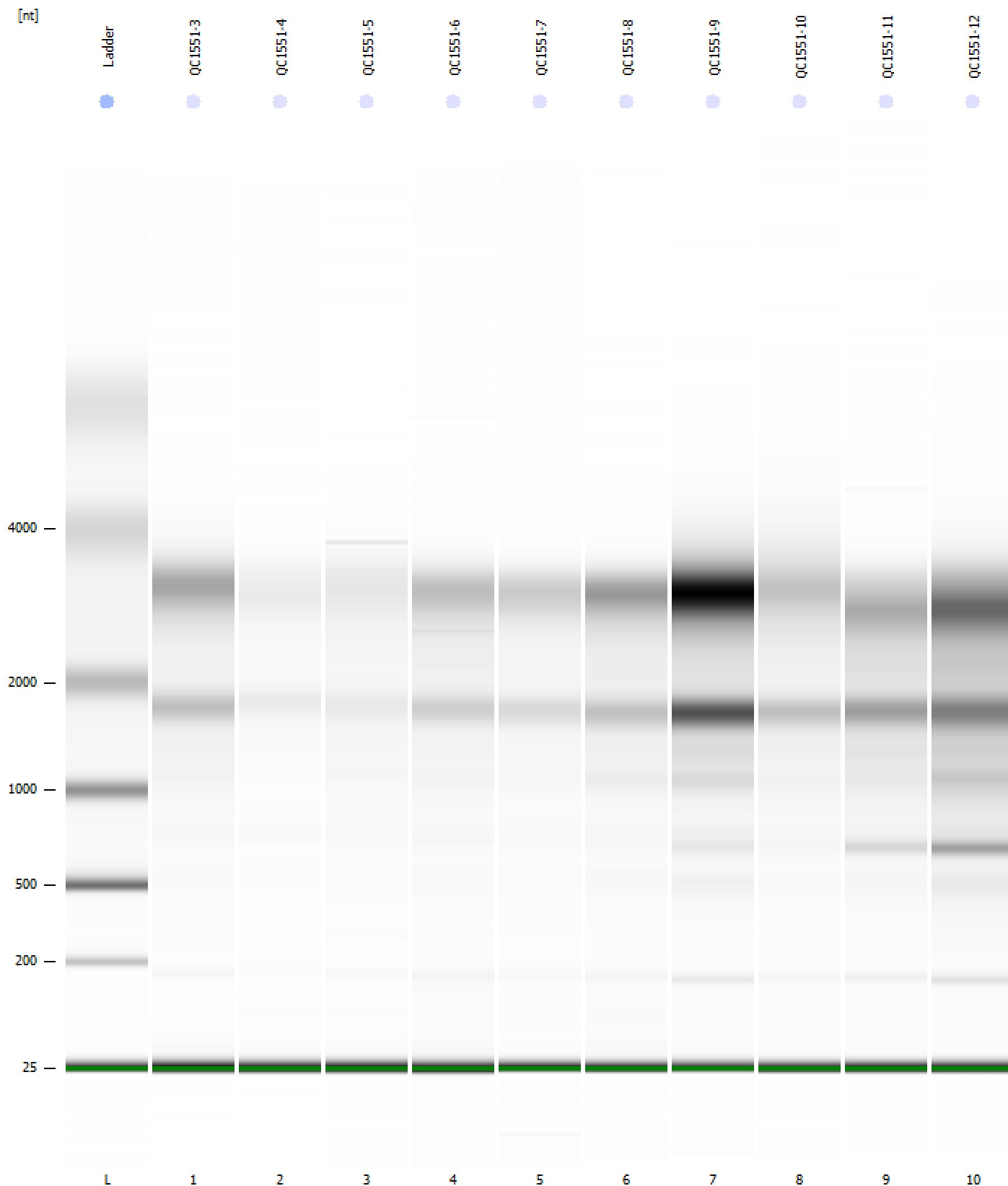
Fragment table for sample 10 : QC1551-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,255	1,996	40.5	10.4
28S	2,020	4,040	101.3	26.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Gel Image

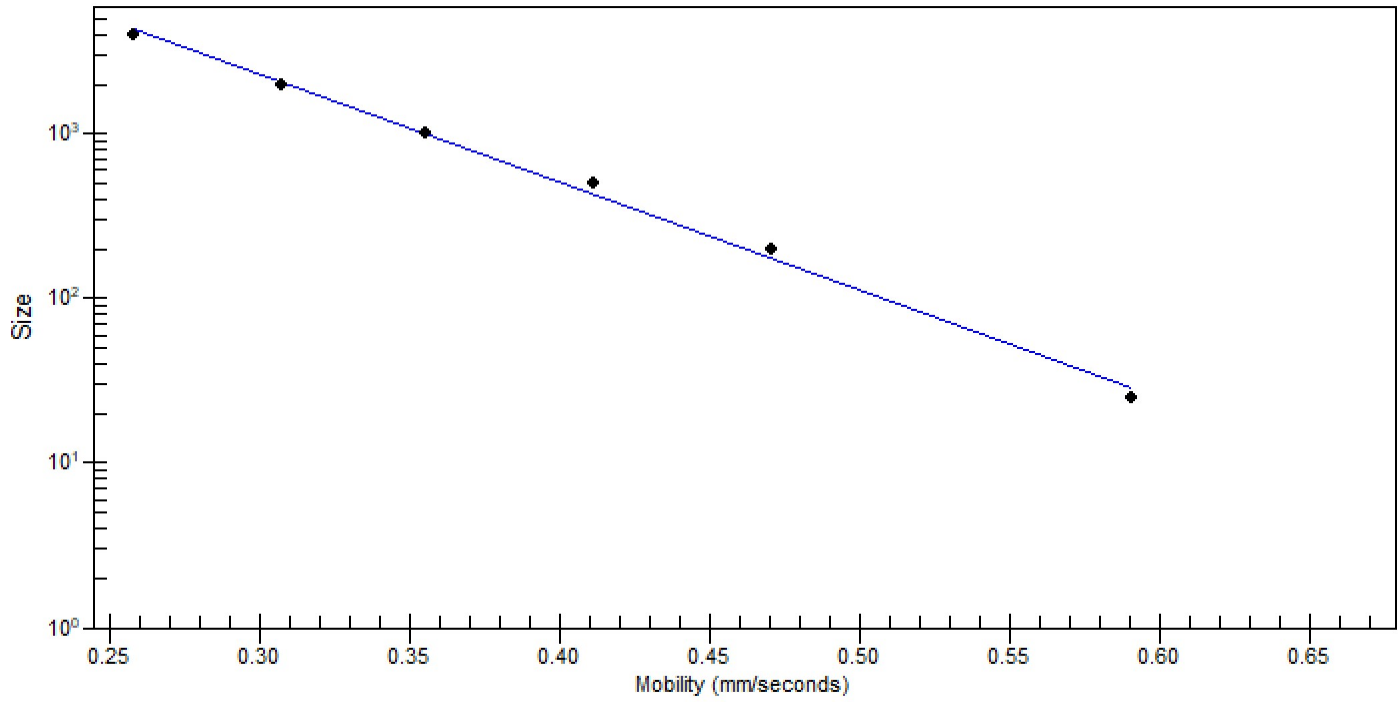


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
Modified: 7/19/2023 5:23:57 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-07-19\QC1551_3-12.xad

Created: 7/19/2023 4:24:11 PM
 Modified: 7/19/2023 5:23:57 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		7/19/2023 4:46:11 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\2023-07-19\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-07-19_002.xad)		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/19/2023 4:24:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB