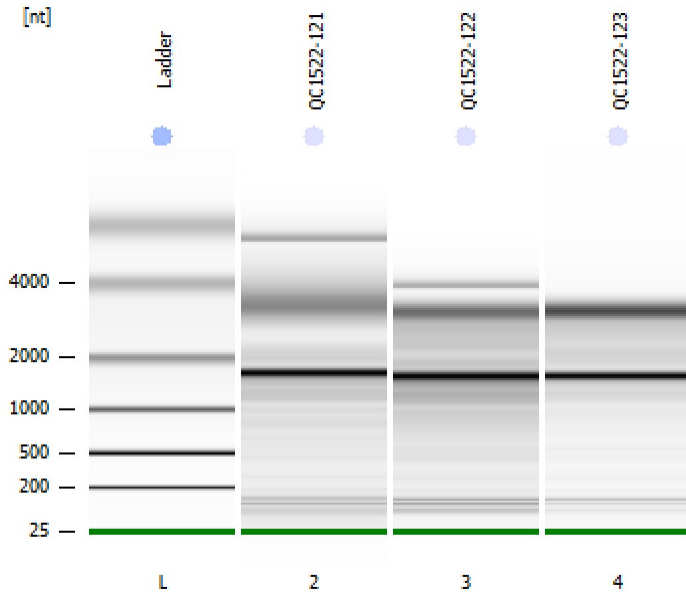


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

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\Plant RNA Pico.xsy

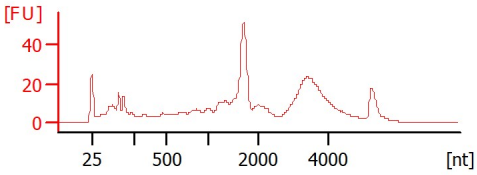
Assay Class: Plant RNA Pico
Version: 1.3
Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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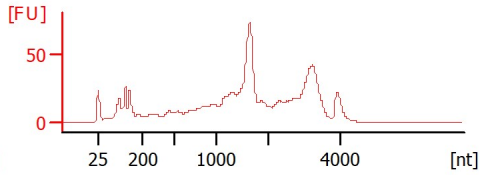
Chip Information:

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

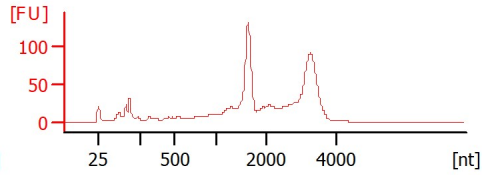
QC1522-121
CAGTE_63
RIN: 6.40



QC1522-122
CTGTE_64
RIN: 4.70



QC1522-123
CTGTE_65
RIN: 5.20



Assay Class: Plant RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
 Modified: 8/7/2023 9:04:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1522-121	CAGTE_63	✓	RIN: 6.40	
QC1522-122	CTGTE_64	✓	RIN: 4.70	
QC1522-123	CTGTE_65	✓	RIN: 5.20	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

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

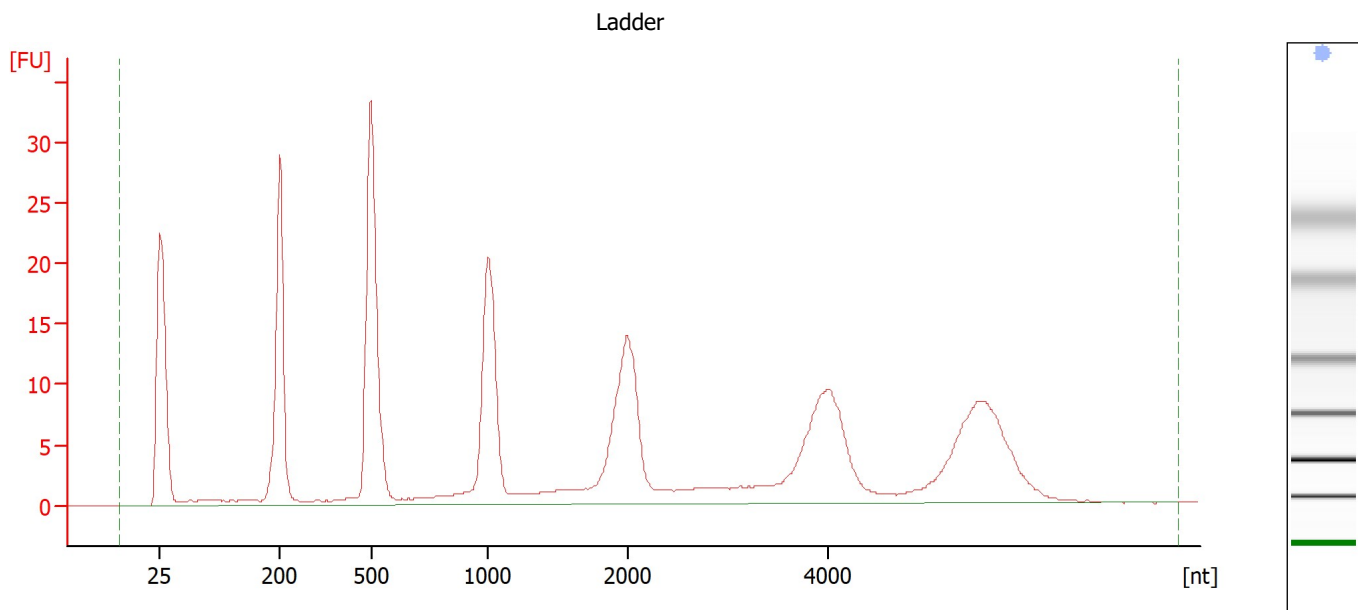
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Electropherogram Summary



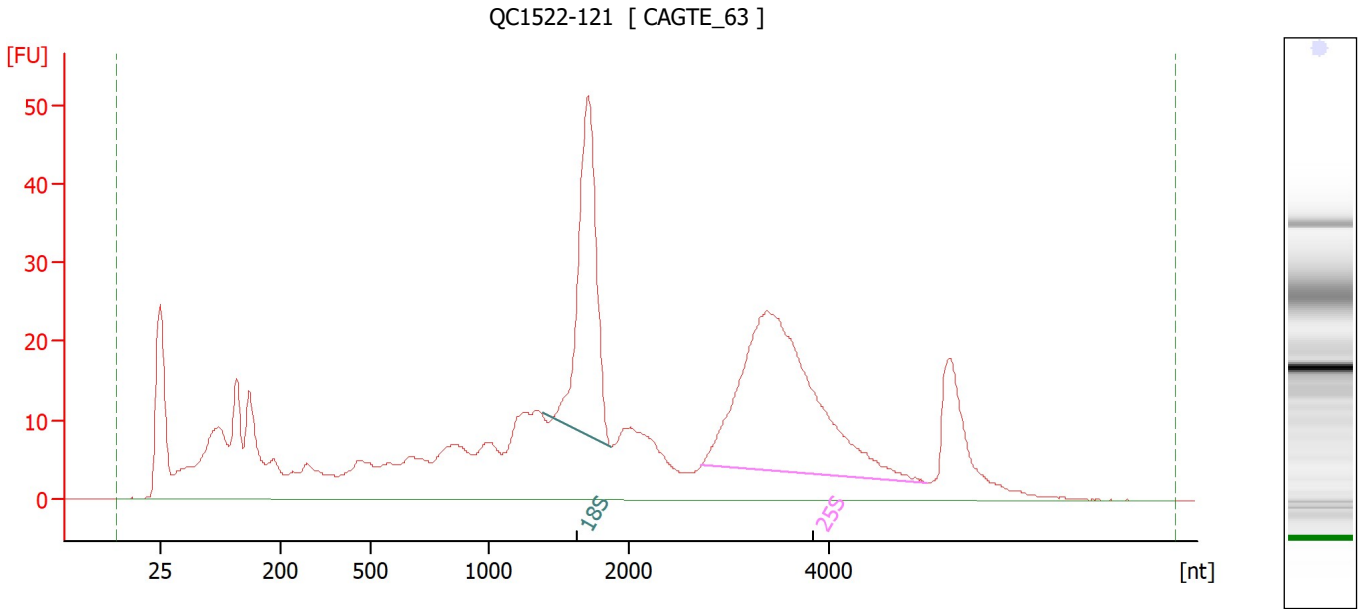
Overall Results for Ladder

RNA Area:	321.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1522-121

RNA Area:	841.1	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	2,619 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 6.40

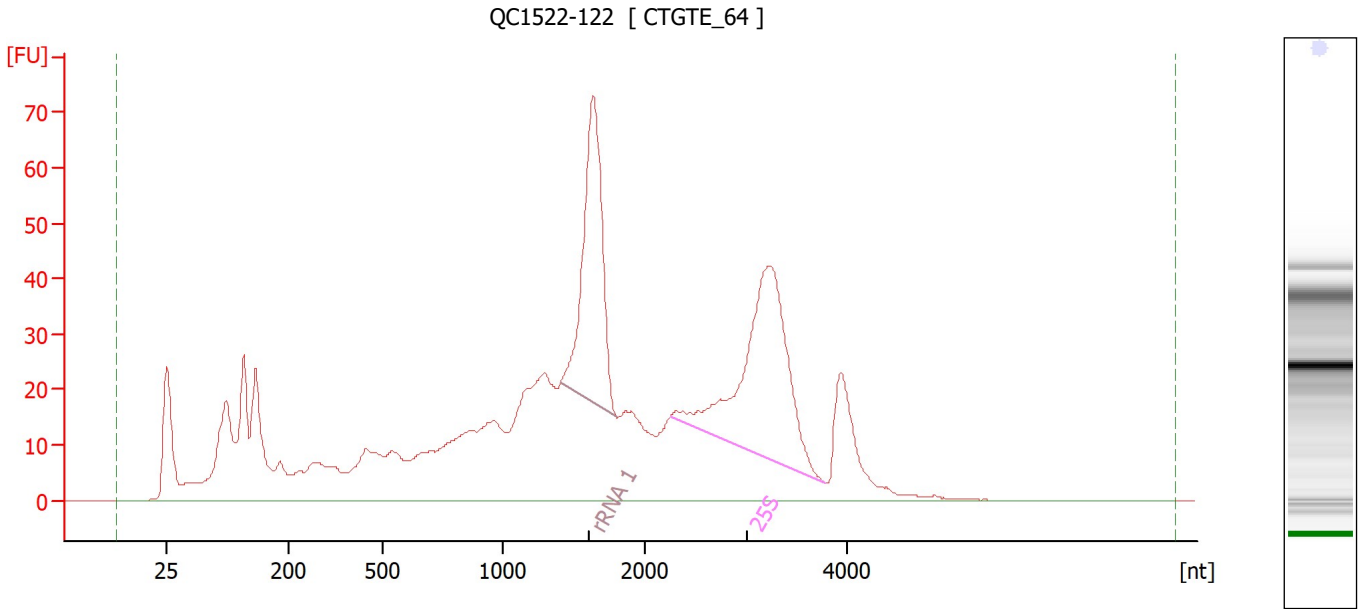
Fragment table for sample 2 : QC1522-121

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,377	1,877	101.2	12.0
25S	2,727	4,969	165.2	19.6

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1522-122

RNA Area:	1,271.6	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	3,959 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 4.70

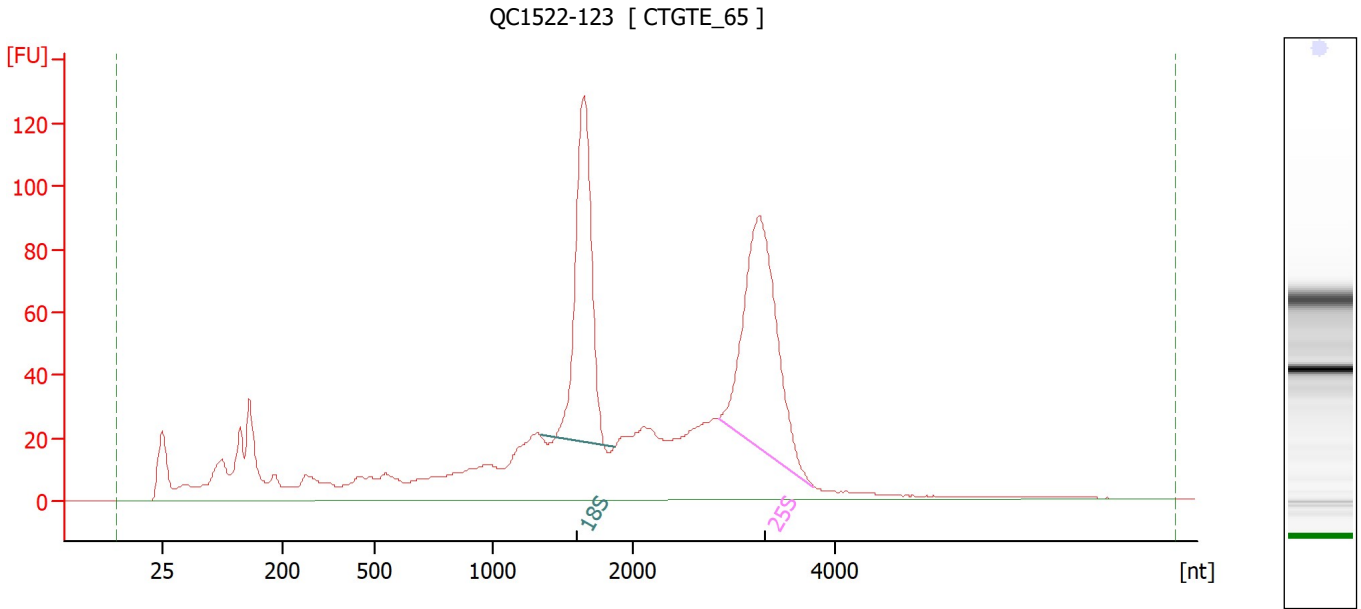
Fragment table for sample 3 : QC1522-122

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA 1	1,413	1,813	135.7	10.7
25S	2,268	3,768	165.9	13.0

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1522-123

RNA Area: 1,545.7 RNA Integrity Number (RIN): 5.2 (B.02.10)
RNA Concentration: 4,812 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.2 Result Flagging Label: RIN: 5.20

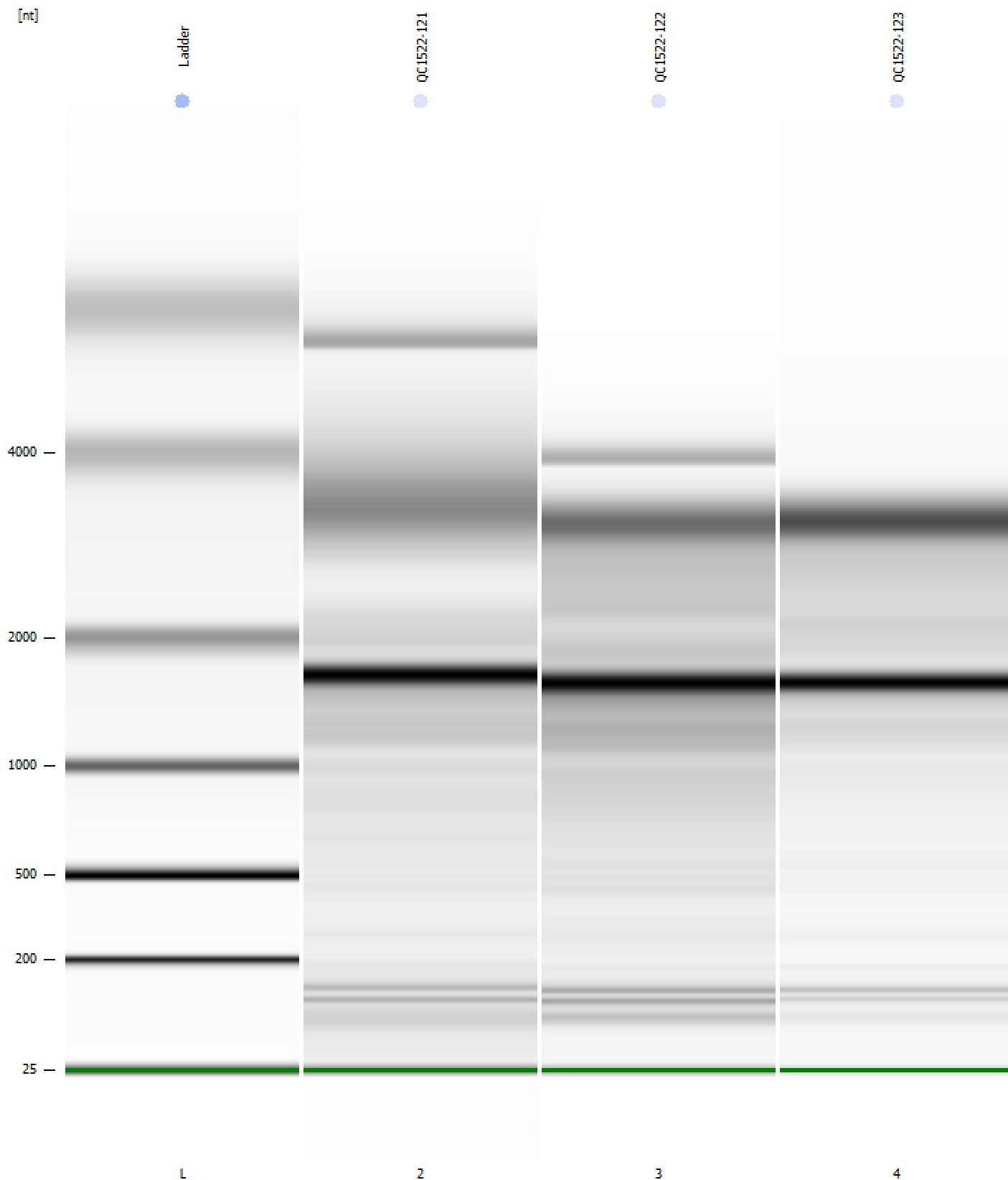
Fragment table for sample 4 : QC1522-123

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,338	1,867	231.3	15.0
25S	2,846	3,789	267.1	17.3

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Gel Image

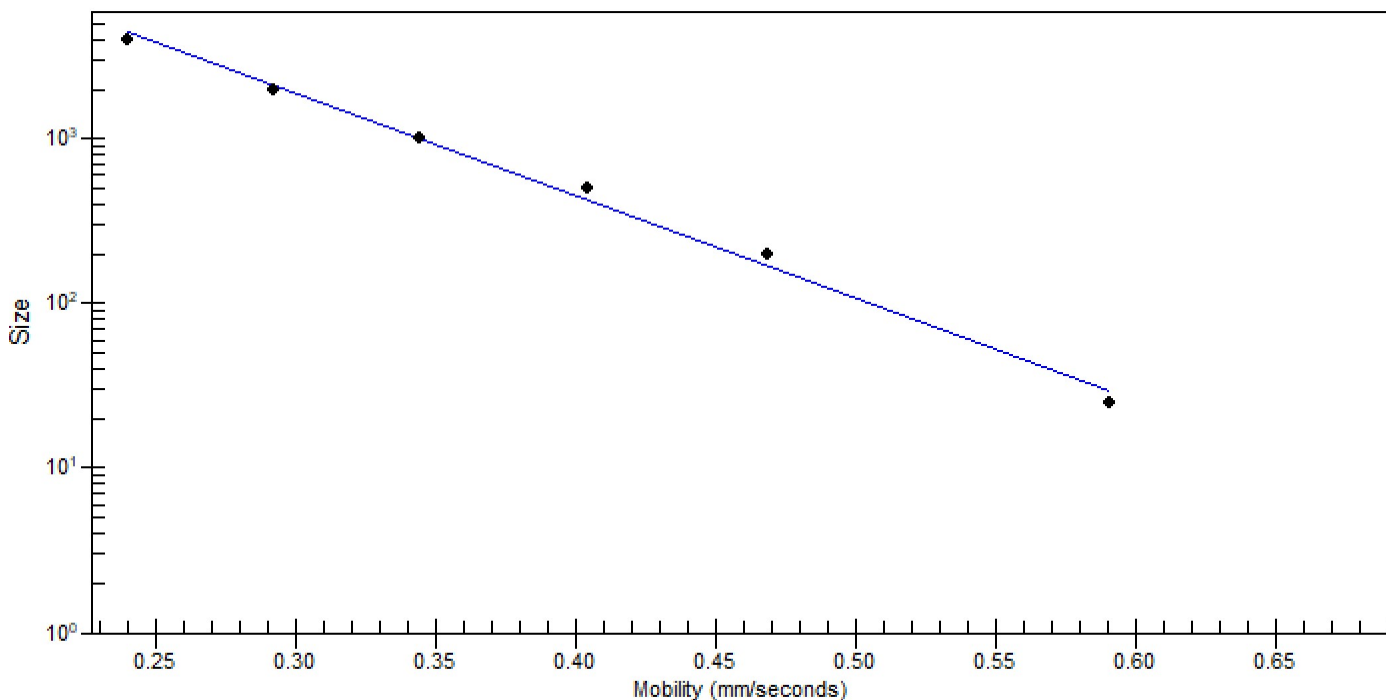


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad

Created: 8/1/2023 2:25:12 PM
Modified: 8/7/2023 9:04:14 AM

Curves

Standard Curve



Assay Class: Plant RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2023-08-01\QC1522_121-123.xad
 Created: 8/1/2023 2:25:12 PM
 Modified: 8/7/2023 9:04:14 AM

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		8/1/2023 2:47:08 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\2023-08-01\Bioanalyzer1_Plant RNA Pico_DE34903152_2023-08-01_Product Number : G2938C		Instrument	Run		8/1/2023 2:25:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/1/2023 2:25:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/1/2023 2:25:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/1/2023 2:25:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/1/2023 2:25:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/1/2023 2:25:12 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB