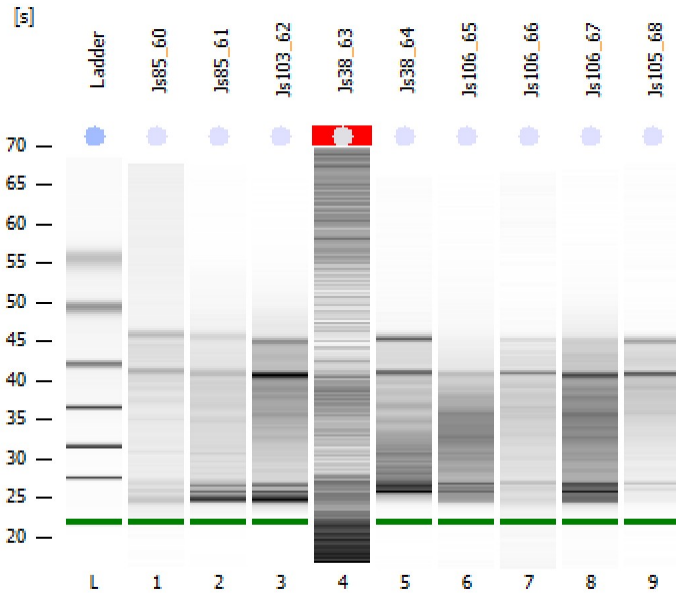


Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 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\Plant RNA Pico.xsy

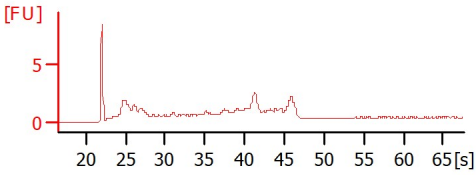
Assay Class: Plant RNA Pico
Version: 1.3
Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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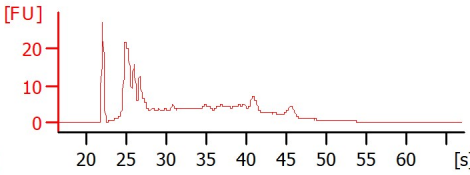
Chip Information:

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

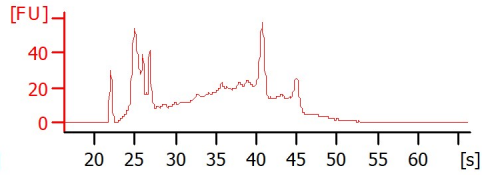
QC 548 #8 **Js85_60**
RIN: 5.90



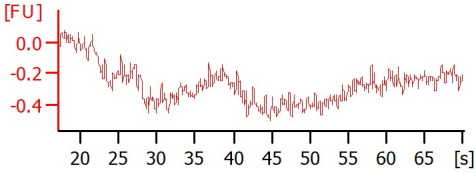
QC 548 #9 **Js85_61**
RIN: 3



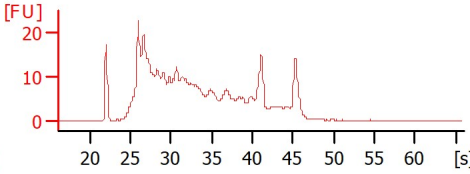
QC 548 #10 **Js103_62**
RIN: 4.70



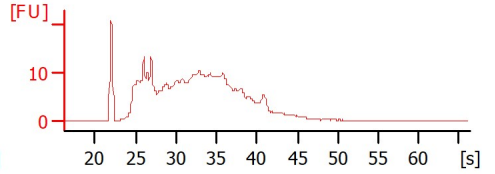
QC 548 #11 **Js38_63**
RIN: N/A



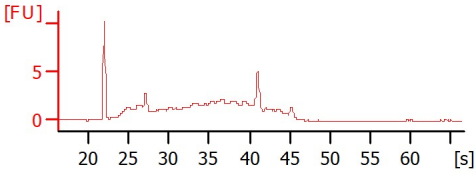
QC 548 #12 **Js38_64**
RIN: 4.80



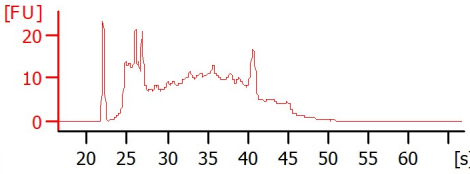
QC 548 #13 **Js106_65**
RIN: 2.70



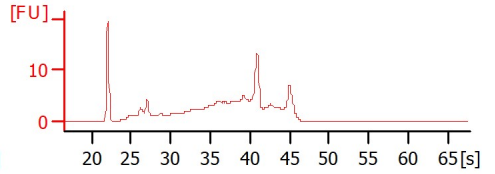
QC 548 #14 **Js106_66**
RIN: 5



QC 548 #15 **Js106_67**
RIN: 3.40



QC 548 #16 **Js105_68**
RIN: 6



Assay Class: Plant RNA Pico
 Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
 Modified: 1/30/2020 4:10:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Js85_60	QC 548 #8	✓	RIN: 5.90	
Js85_61	QC 548 #9	✓	RIN:3	
Js103_62	QC 548 #10	✓	RIN: 4.70	
Js38_63	QC 548 #11	✓	RIN N/A	
Js38_64	QC 548 #12	✓	RIN: 4.80	
Js106_65	QC 548 #13	✓	RIN: 2.70	
Js106_66	QC 548 #14	✓	RIN:5	
Js106_67	QC 548 #15	✓	RIN: 3.40	
Js105_68	QC 548 #16	✓	RIN:6	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 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

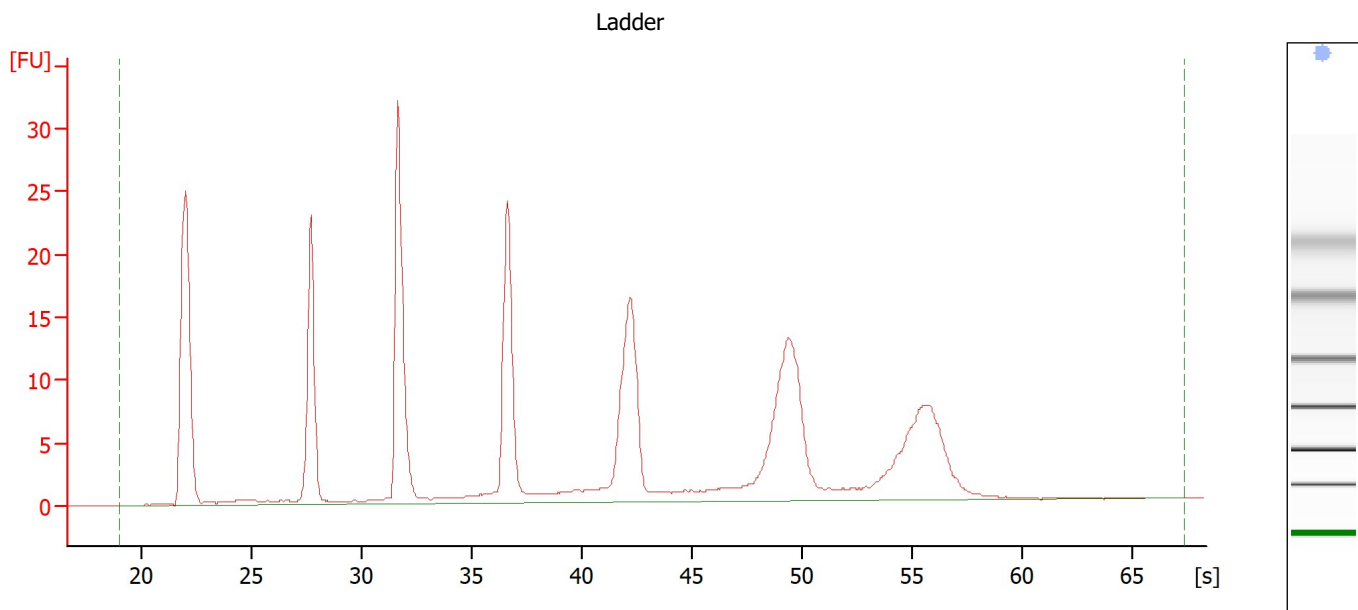
Ladder

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

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary



Overall Results for Ladder

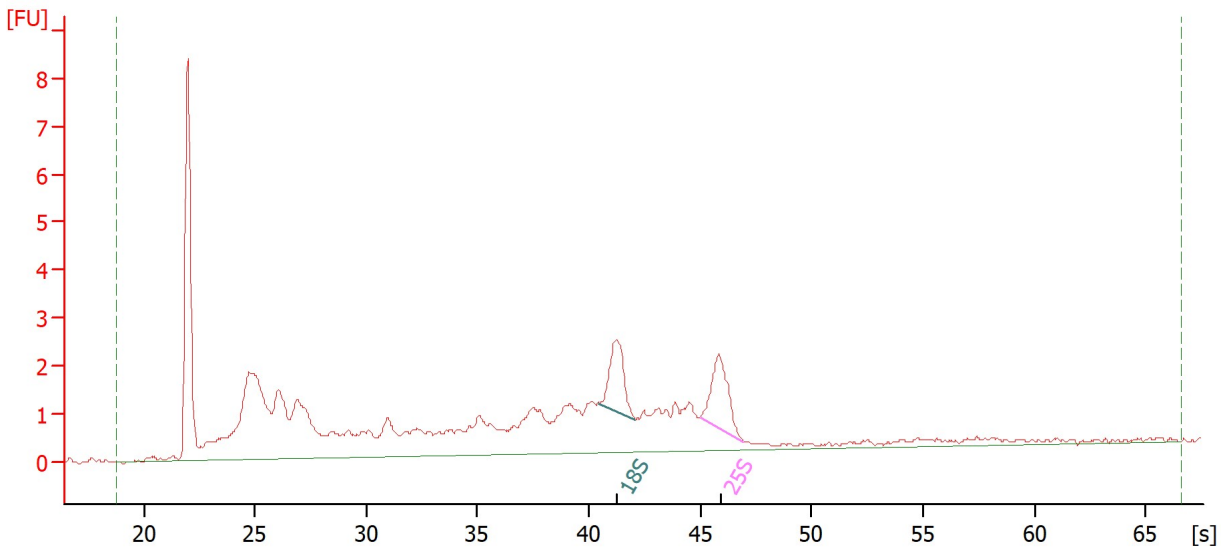
RNA Area:	236.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...

Js85_60 [QC 548 #8]



Overall Results for sample 1 : Js85_60

RNA Area: 62.8 RNA Integrity Number (RIN): 5.9 (B.02.10)
RNA Concentration: 266 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.1 Result Flagging Label: RIN: 5.90

Fragment table for sample 1 : Js85_60

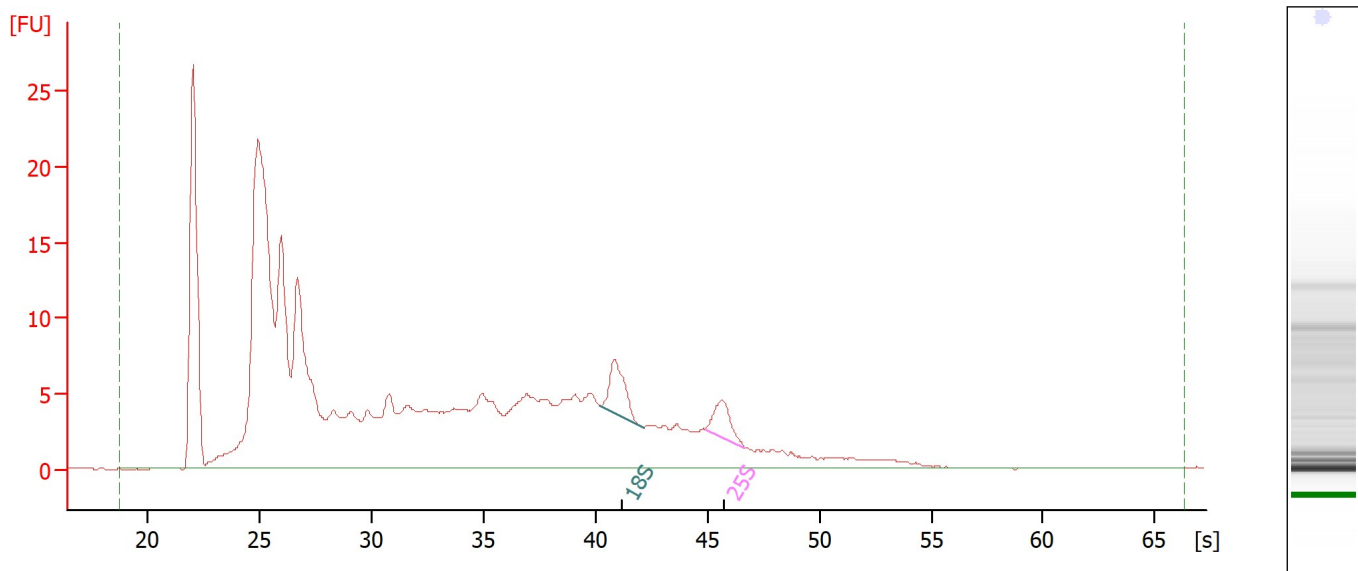
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,693	1,977	2.7	4.2
25S	2,785	3,324	2.9	4.6

Assay Class: Plant RNA Pico
 Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
 Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...

Js85_61 [QC 548 #9]



Overall Results for sample 2 : Js85_61

RNA Area:	363.1	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	1,537 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.6	Result Flagging Label:	RIN:3

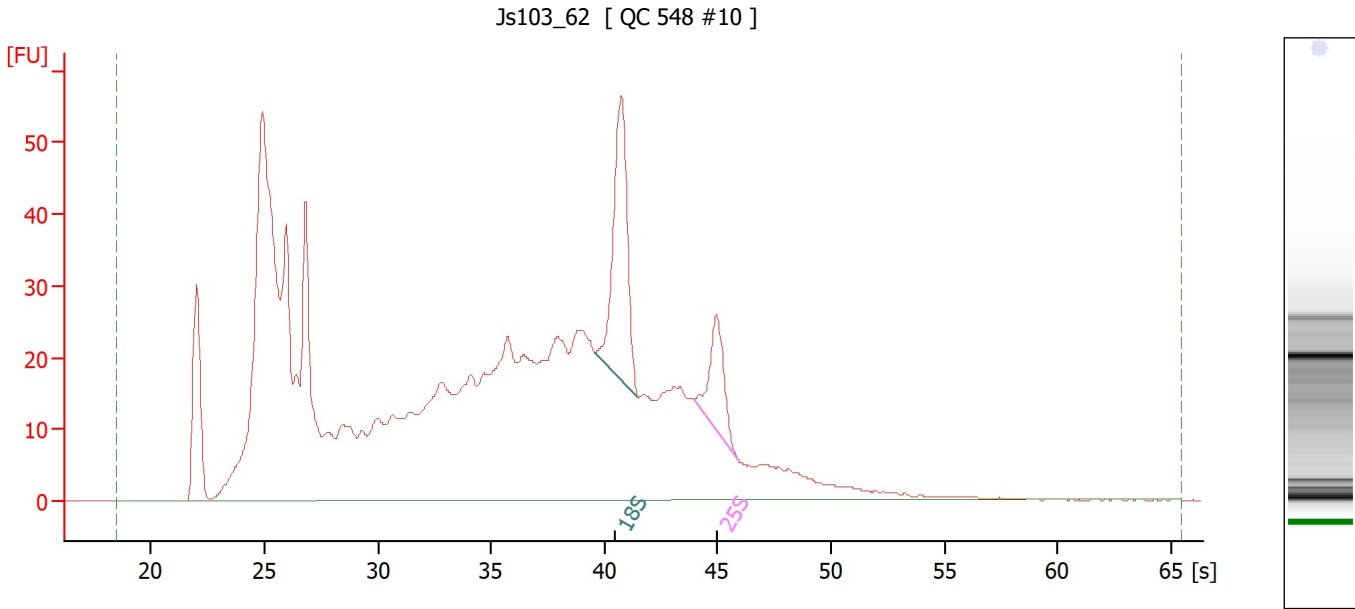
Fragment table for sample 2 : Js85_61

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	1,987	7.0	1.9
25S	2,757	3,240	4.5	1.3

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Js103_62

RNA Area: 1,289.0 RNA Integrity Number (RIN): 4.7 (B.02.10)
RNA Concentration: 5,456 pg/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.4 Result Flagging Label: RIN: 4.70

Fragment table for sample 3 : Js103_62

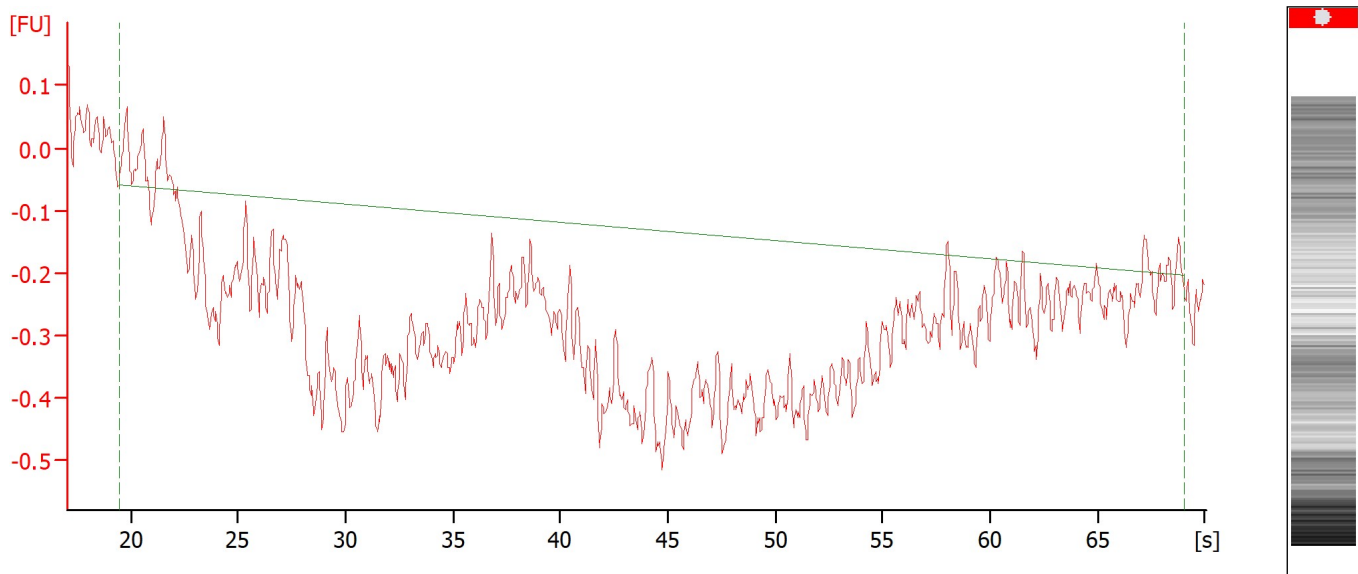
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,865	68.5	5.3
25S	2,490	3,032	26.5	2.1

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...

Js38_63 [QC 548 #11]



Overall Results for sample 4 : Js38_63

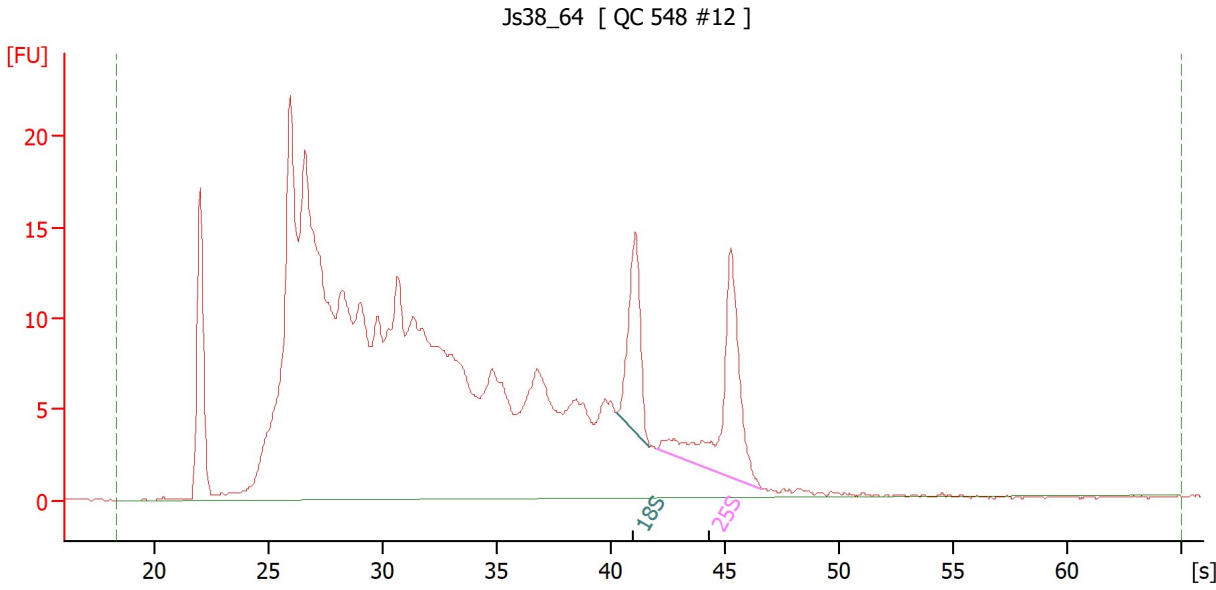
RNA Concentration: 2 pg/μl
rRNA Ratio [25s / 18s]: 0.0

Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Js38_64

RNA Area:	498.6	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	2,110 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 4.80

Fragment table for sample 5 : Js38_64

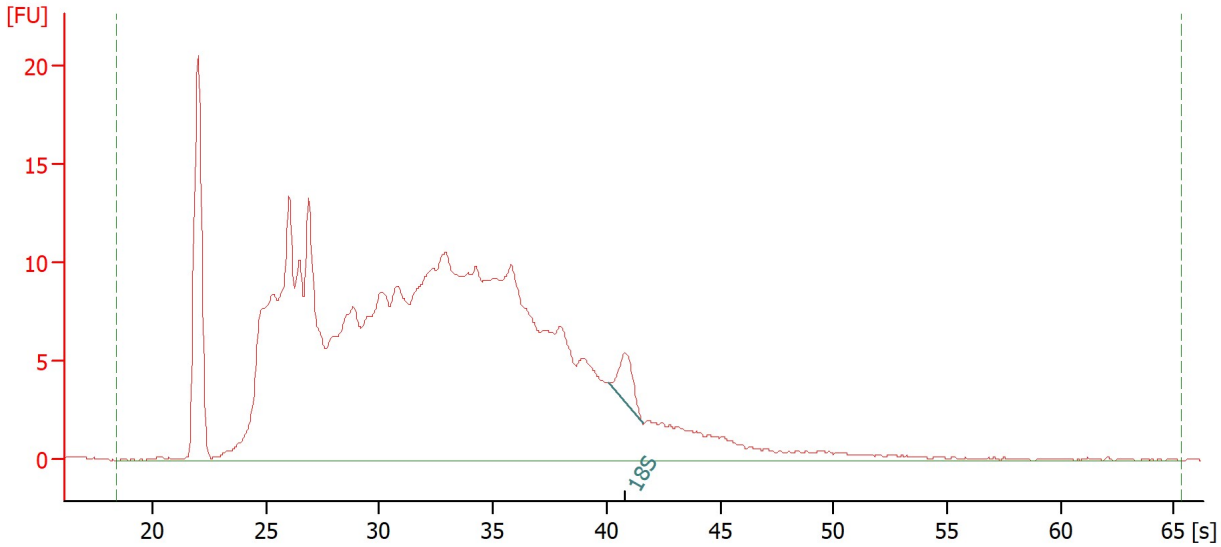
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	1,910	15.6	3.1
25S	1,969	3,239	25.5	5.1

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...

Js106_65 [QC 548 #13]



Overall Results for sample 6 : Js106_65

RNA Area:	439.5	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	1,860 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Fragment table for sample 6 : Js106_65

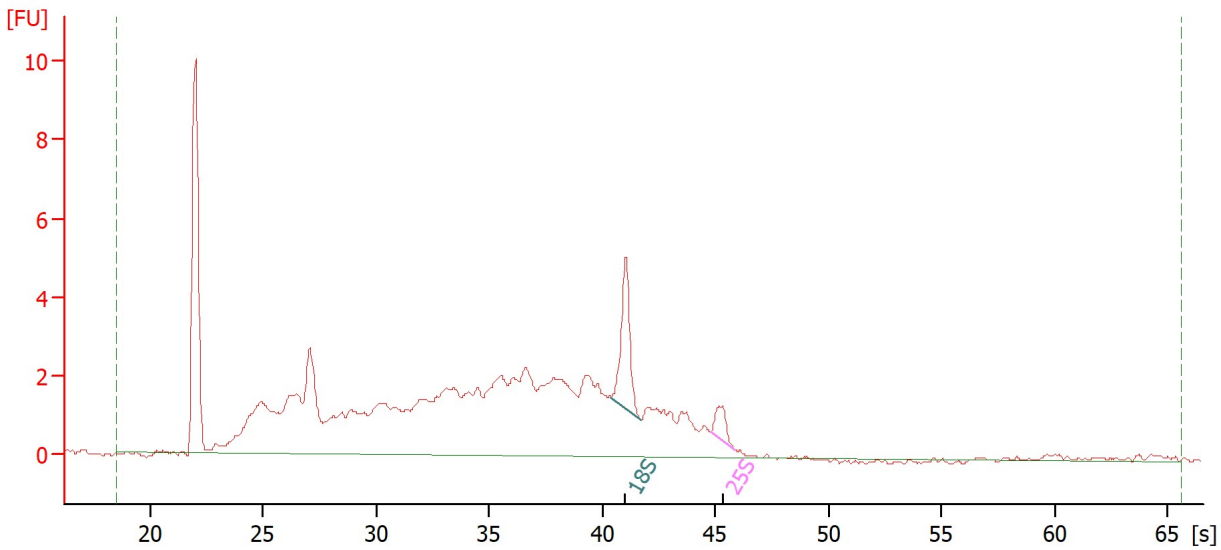
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	1,891	4.5	1.0

Assay Class: Plant RNA Pico
 Data Path: Z:\XADS\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
 Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...

Js106_66 [QC 548 #14]



Overall Results for sample 7 : Js106_66

RNA Area:	95.3	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	403 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.2	Result Flagging Label:	RIN:5

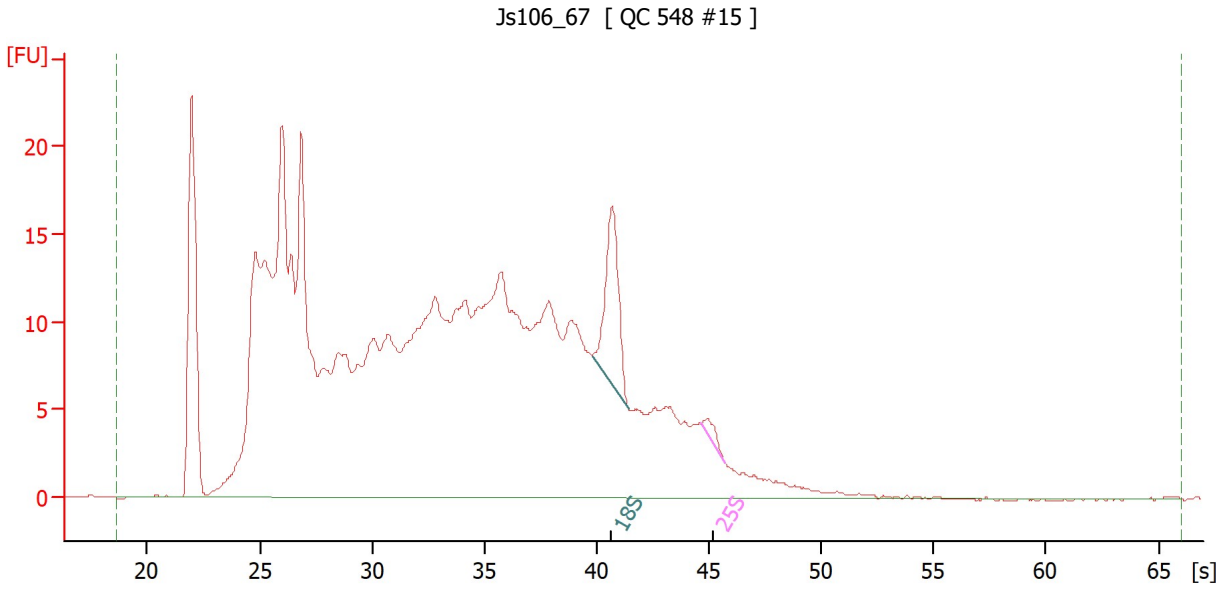
Fragment table for sample 7 : Js106_66

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	1,906	4.2	4.4
25S	2,715	3,020	1.0	1.1

Assay Class: Plant RNA Pico
 Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
 Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Js106_67

RNA Area:	616.7	RNA Integrity Number (RIN):	3.4 (B.02.10)
RNA Concentration:	2,610 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 3.40

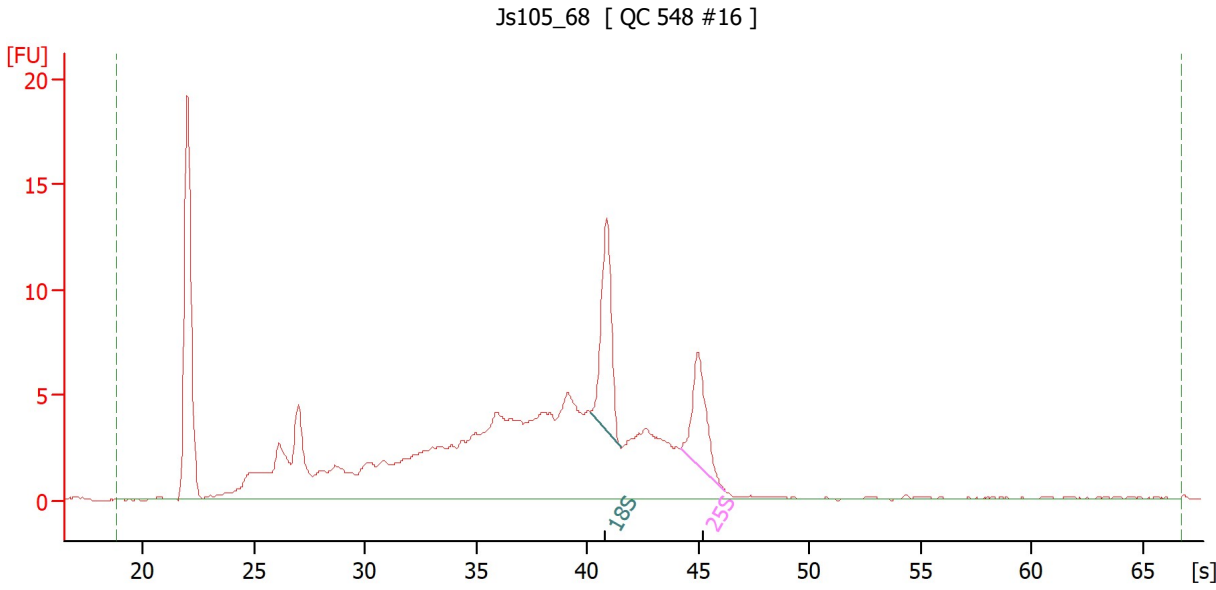
Fragment table for sample 8 : Js106_67

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,861	17.0	2.8
25S	2,676	2,970	1.5	0.2

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Js105_68

RNA Area: 180.5 RNA Integrity Number (RIN): 6 (B.02.10)
RNA Concentration: 764 µg/µl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.7 Result Flagging Label: RIN:6

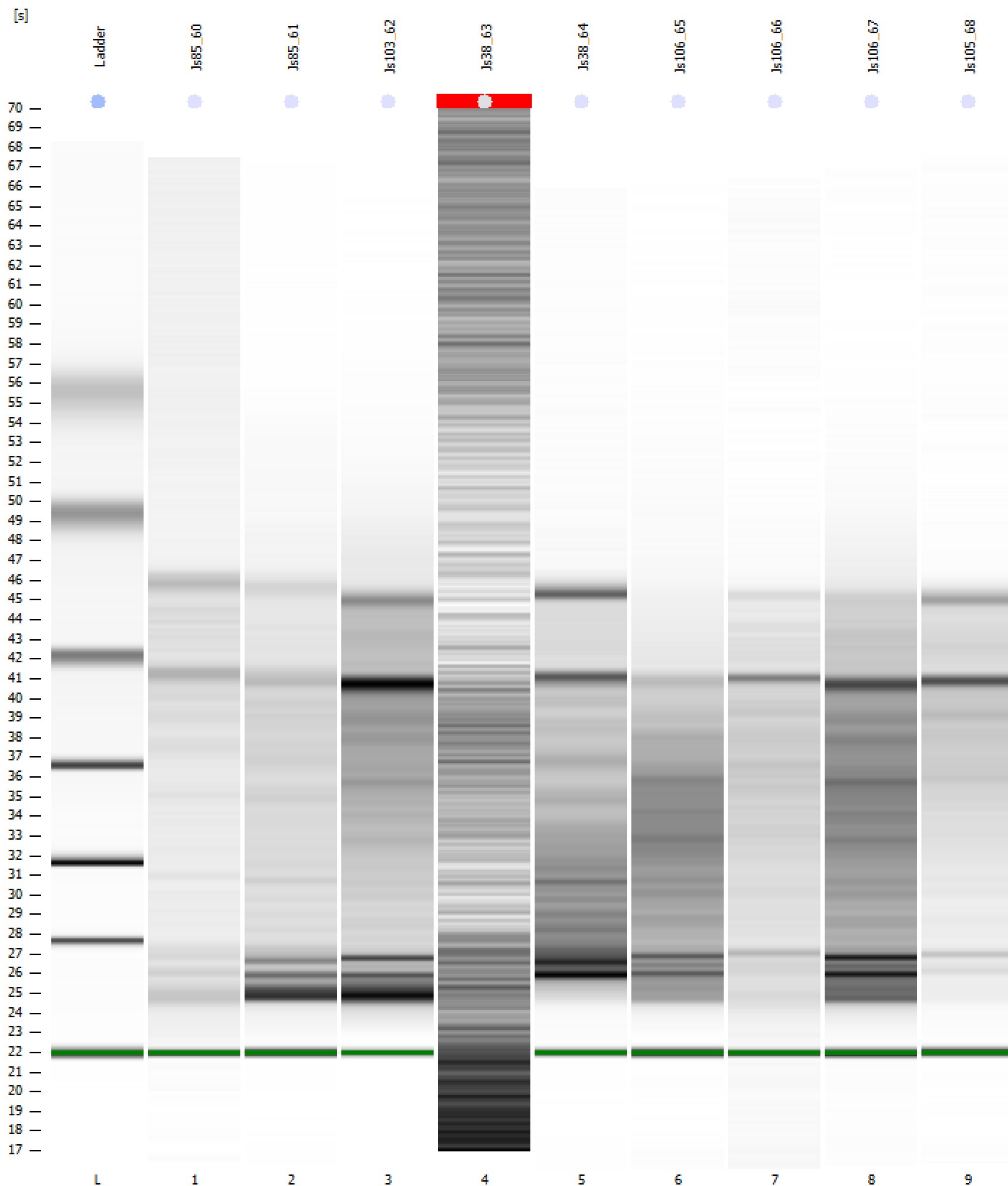
Fragment table for sample 9 : Js105_68

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	1,873	13.2	7.3
25S	2,557	3,123	8.6	4.8

Assay Class: Plant RNA Pico
Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
Modified: 1/30/2020 4:10:52 PM

Gel Image



Assay Class: Plant RNA Pico
 Data Path: Z:\XADs\2020-01-30\QC548_RNAQC.xad

Created: 1/30/2020 3:49:23 PM
 Modified: 1/30/2020 4:10:52 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		1/30/2020 4:10:13 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-30\Bioanalyze_r1_Plant RNA Pico_2020-01-30_001.xad)		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/30/2020 3:49:29 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB