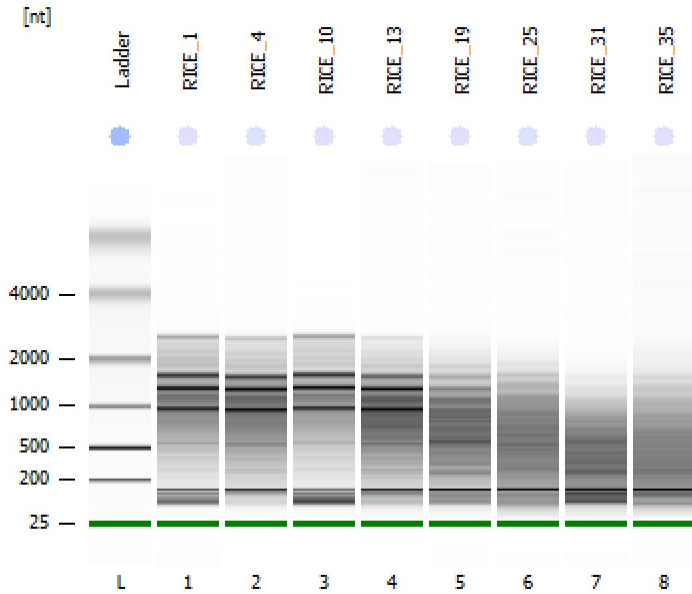


Assay Class: Plant RNA Pico  
Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 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

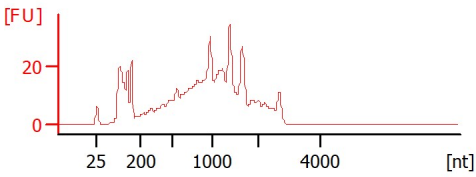
Assay Class: Plant RNA Pico  
Version: 1.3  
Assay Comments: Total RNA Analysis pg sensitivity (Plant)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

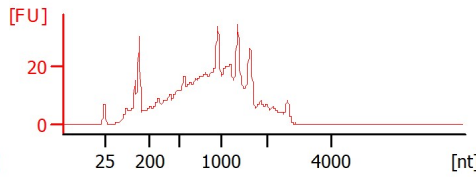
Chip Information:

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

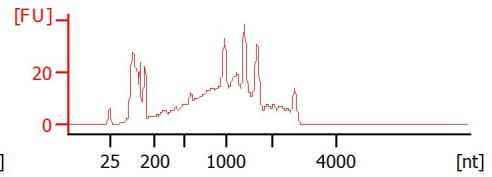
**RICE\_1**  
RIN: 3.60



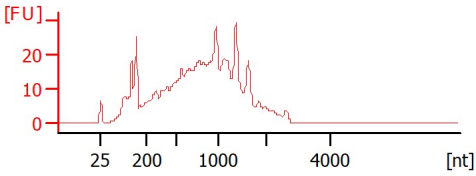
**RICE\_4**  
RIN: 3.30



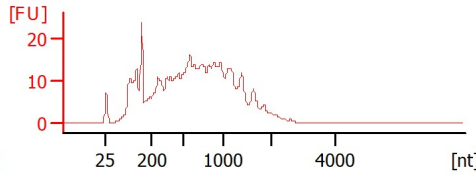
**RICE\_10**  
RIN: 3.90



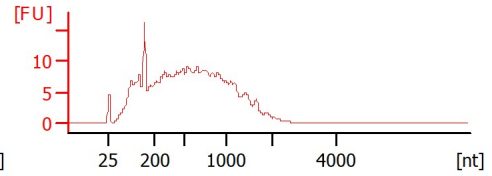
**RICE\_13**  
RIN: 3.10



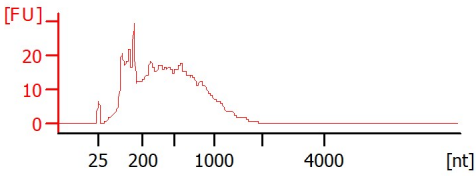
**RICE\_19**  
RIN: 2.20



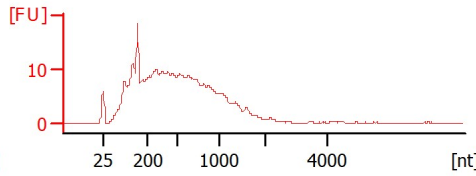
**RICE\_25**  
RIN: 2



**RICE\_31**  
RIN: 1.70



**RICE\_35**  
RIN: 1.90



Assay Class: Plant RNA Pico  
 Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
RICE_1		✓	RIN: 3.60	
RICE_4		✓	RIN: 3.30	
RICE_10		✓	RIN: 3.90	
RICE_13		✓	RIN: 3.10	
RICE_19		✓	RIN: 2.20	
RICE_25		✓	RIN:2	
RICE_31		✓	RIN: 1.70	
RICE_35		✓	RIN: 1.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Pico  
Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 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/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ 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

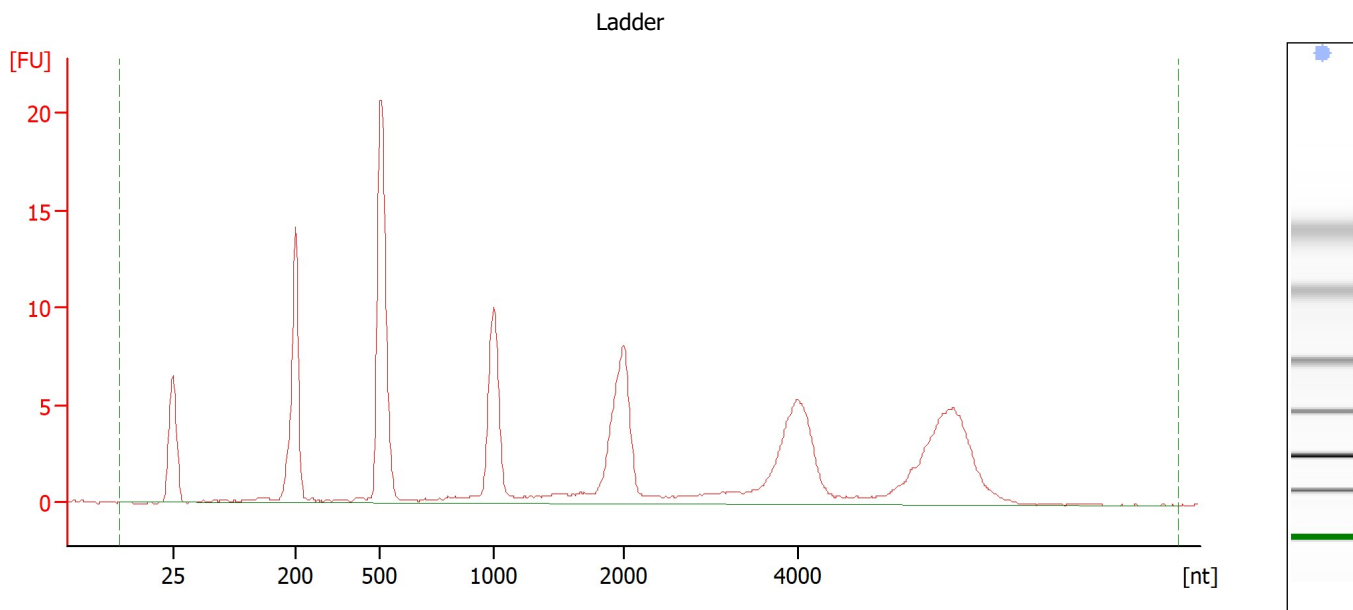
### Ladder

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

Assay Class: Plant RNA Pico  
Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary**



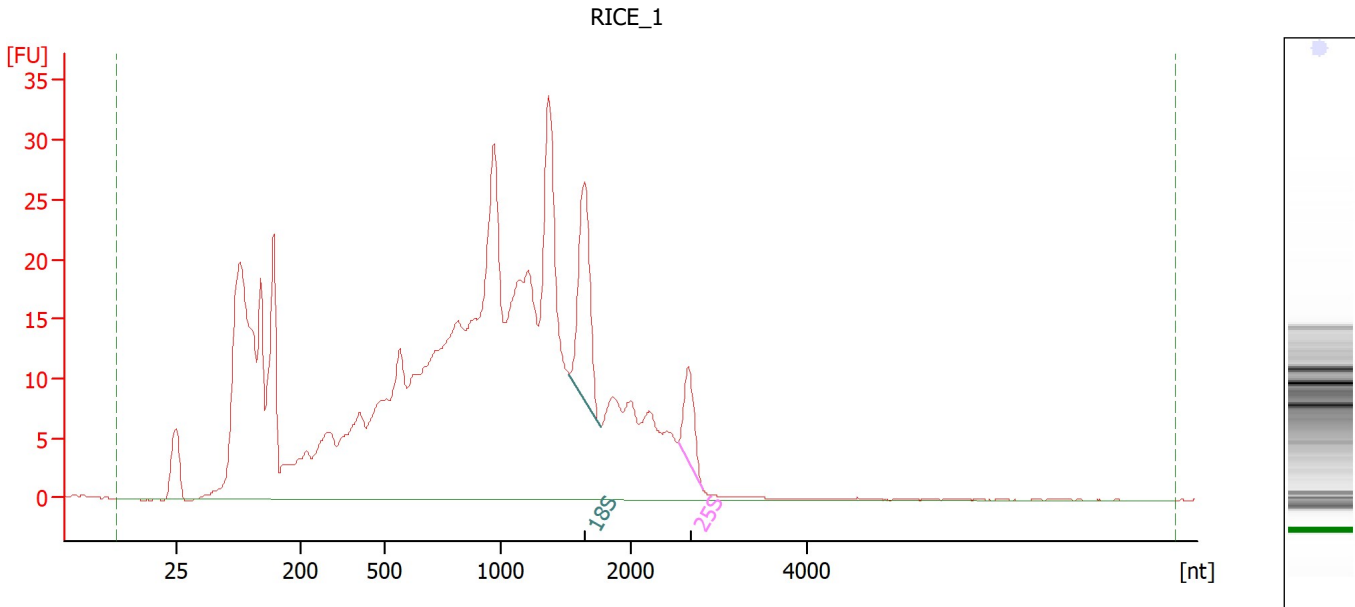
**Overall Results for Ladder**

RNA Area:	144.4	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico  
 Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : RICE\_1**

RNA Area:	714.6	RNA Integrity Number (RIN):	3.6 (B.02.10)
RNA Concentration:	4,949 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.3	Result Flagging Label:	RIN: 3.60

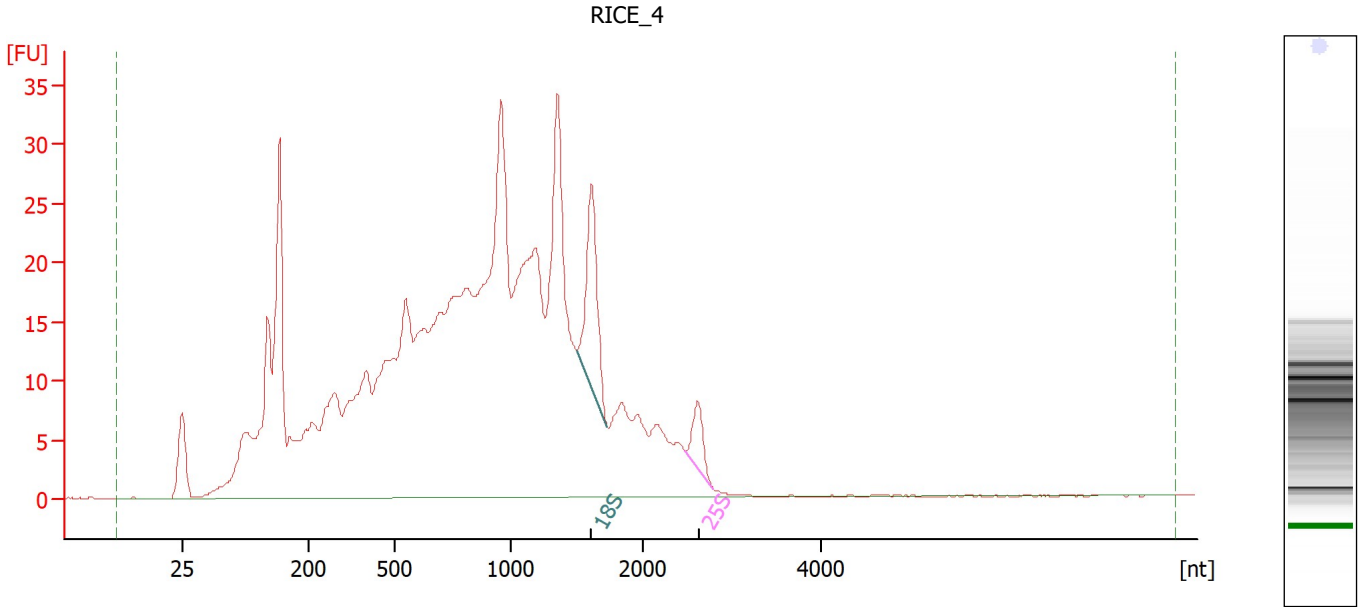
**Fragment table for sample 1 : RICE\_1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	1,764	27.3	3.8
25S	2,536	2,815	9.5	1.3

Assay Class: Plant RNA Pico  
 Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : RICE 4**

RNA Area:	769.2	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	5,327 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.3	Result Flagging Label:	RIN: 3.30

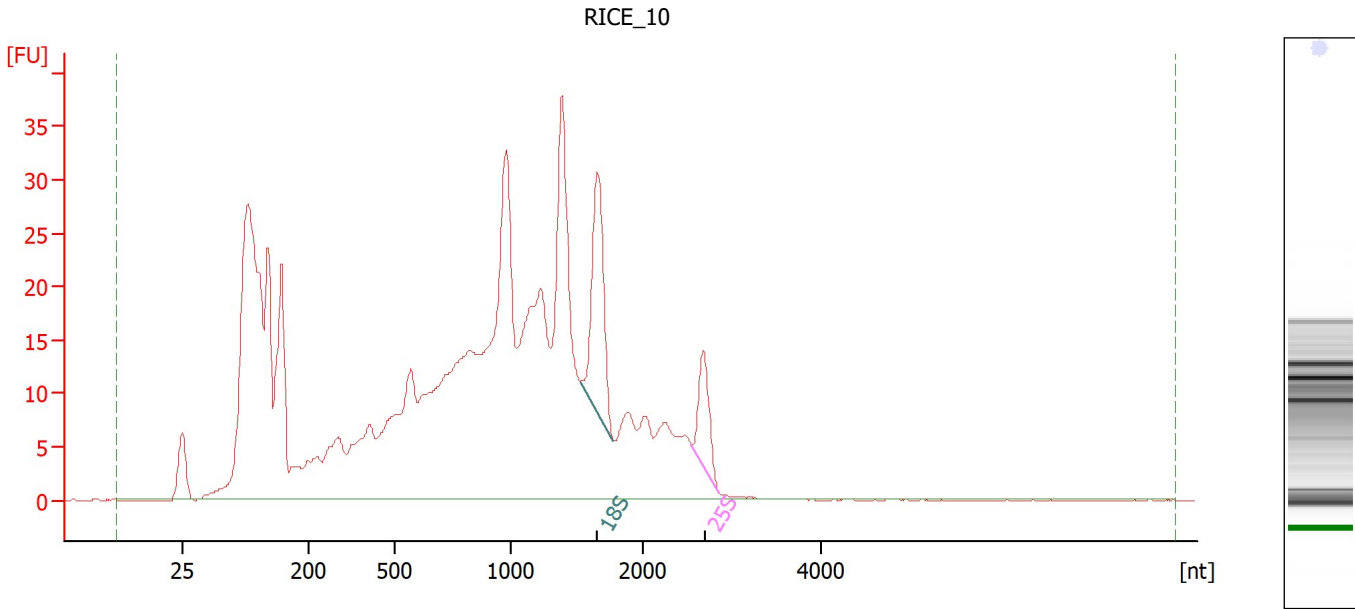
**Fragment table for sample 2 : RICE 4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,729	23.7	3.1
25S	2,472	2,783	6.8	0.9

Assay Class: Plant RNA Pico  
 Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : RICE\_10**

RNA Area:	763.4	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	5,287 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.4	Result Flagging Label:	RIN: 3.90

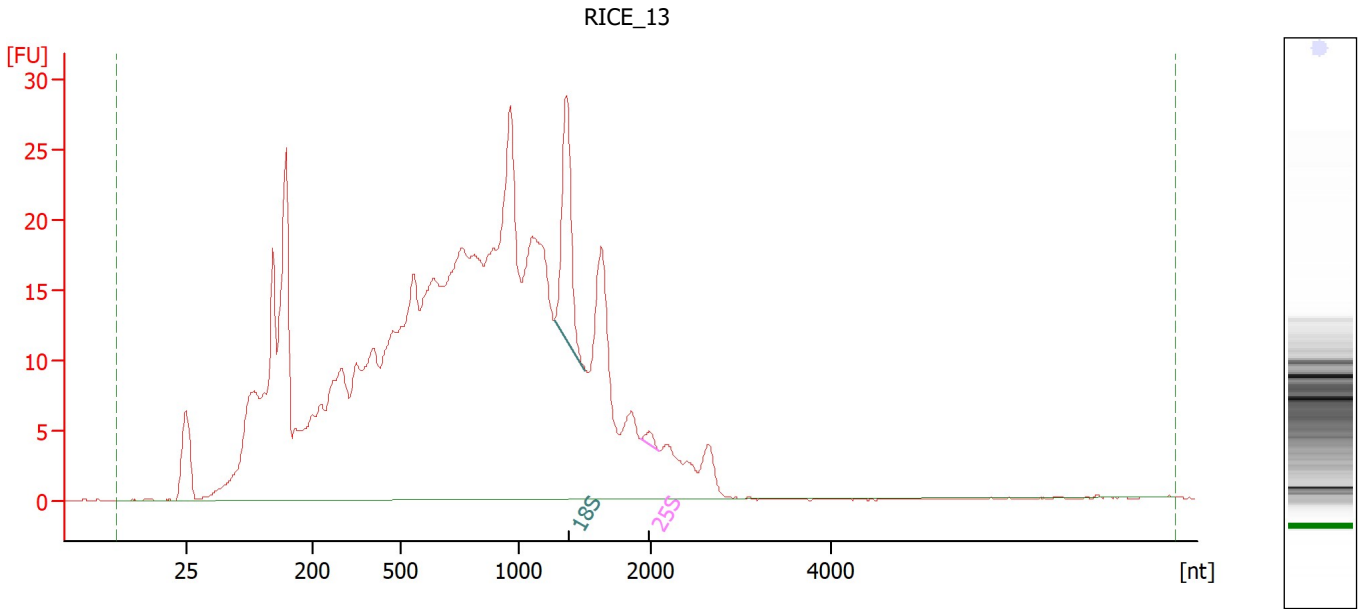
**Fragment table for sample 3 : RICE\_10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,528	1,778	33.2	4.3
25S	2,544	2,855	12.9	1.7

Assay Class: Plant RNA Pico  
 Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : RICE\_13**

RNA Area:	713.9	RNA Integrity Number (RIN):	3.1 (B.02.10)
RNA Concentration:	4,944 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

**Fragment table for sample 4 : RICE\_13**

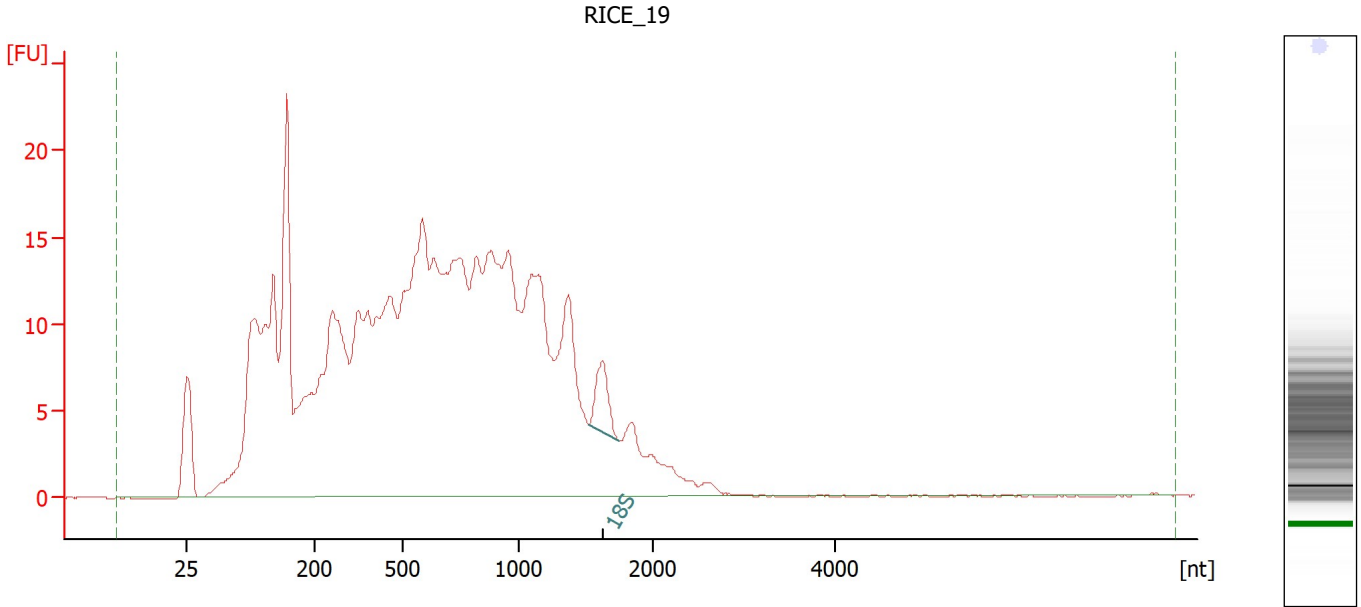
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,269	1,501	20.8	2.9
25S	1,917	2,078	0.9	0.1



Assay Class: Plant RNA Pico  
Data Path: C:\...user\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : RICE\_19**

RNA Area:	570.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	3,949 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

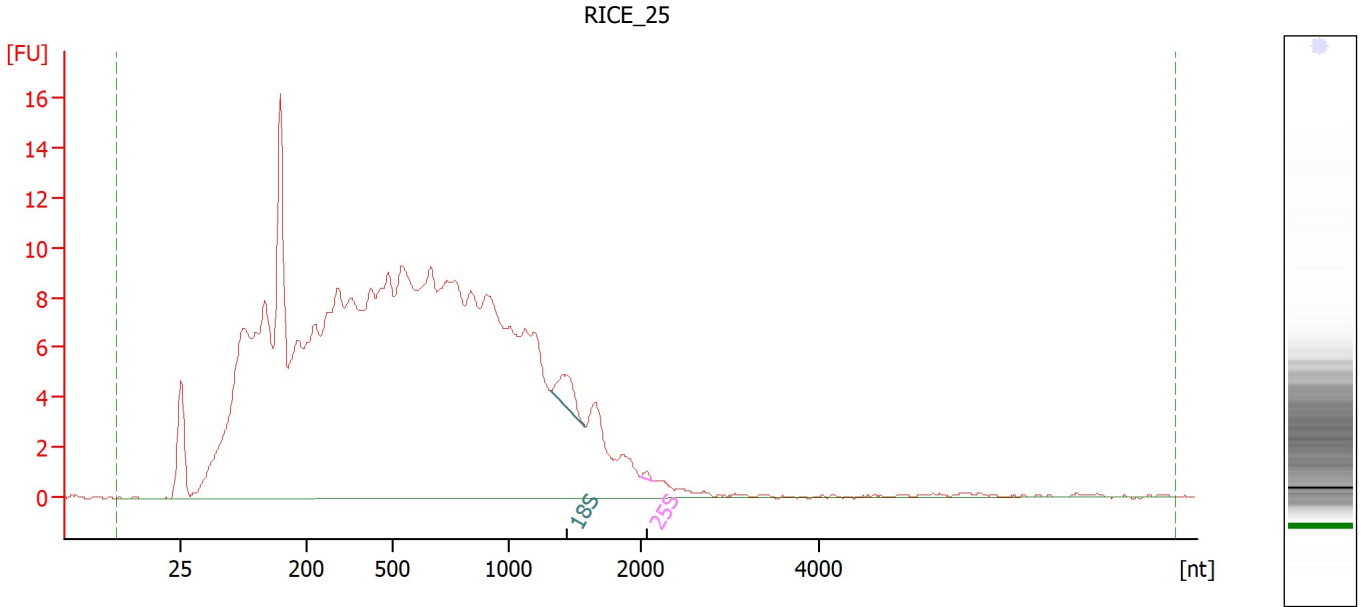
**Fragment table for sample 5 : RICE\_19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,511	1,734	6.4	1.1

Assay Class: Plant RNA Pico  
Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : RICE\_25**

RNA Area: 399.6 RNA Integrity Number (RIN): 2 (B.02.10)  
RNA Concentration: 2,767 pg/μl Result Flagging Color:   
rRNA Ratio [25s / 18s]: 0.1 Result Flagging Label: RIN:2

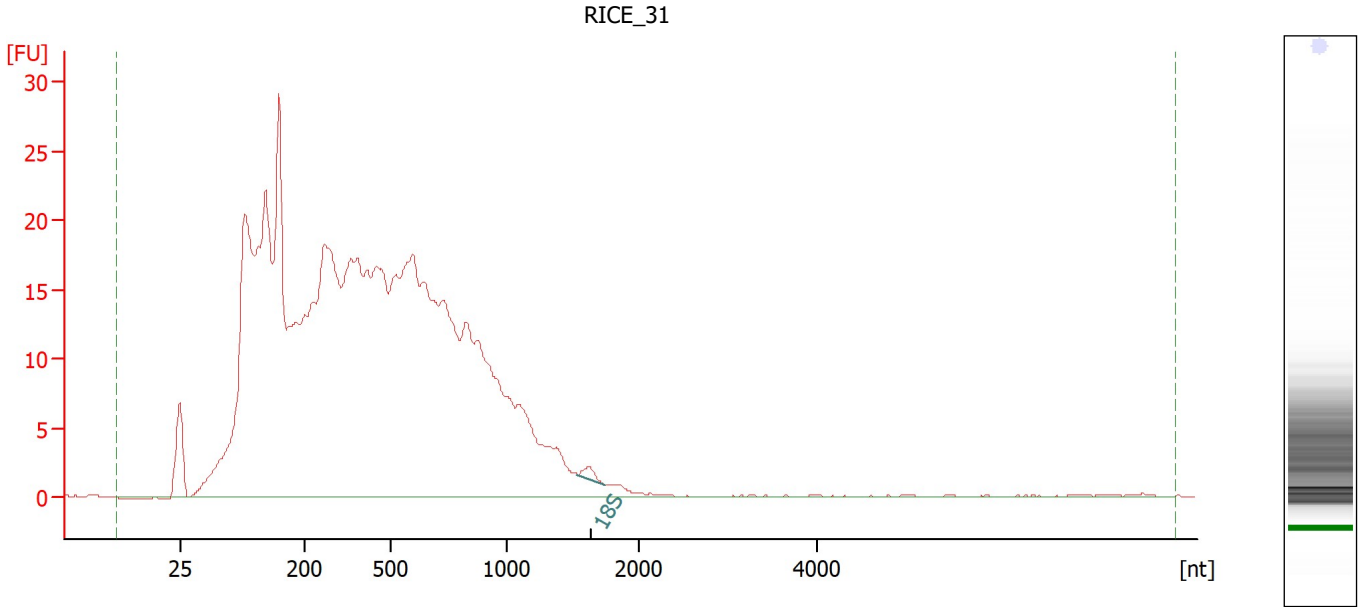
**Fragment table for sample 6 : RICE\_25**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,316	1,575	2.8	0.7
25S	2,005	2,137	0.2	0.0

Assay Class: Plant RNA Pico  
Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : RICE 31**

RNA Area:	686.2	RNA Integrity Number (RIN):	1.7 (B.02.10)
RNA Concentration:	4,752 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

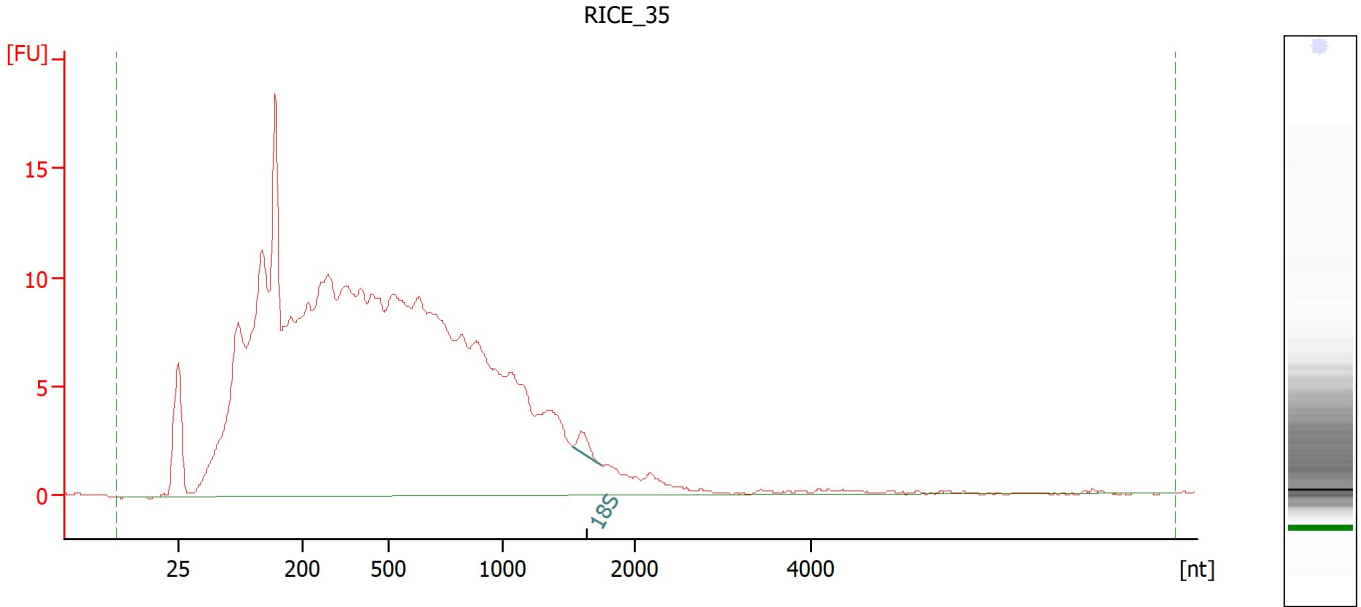
**Fragment table for sample 7 : RICE 31**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,743	1.2	0.2

Assay Class: Plant RNA Pico  
 Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : RICE\_35**

RNA Area:	420.0	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	2,909 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

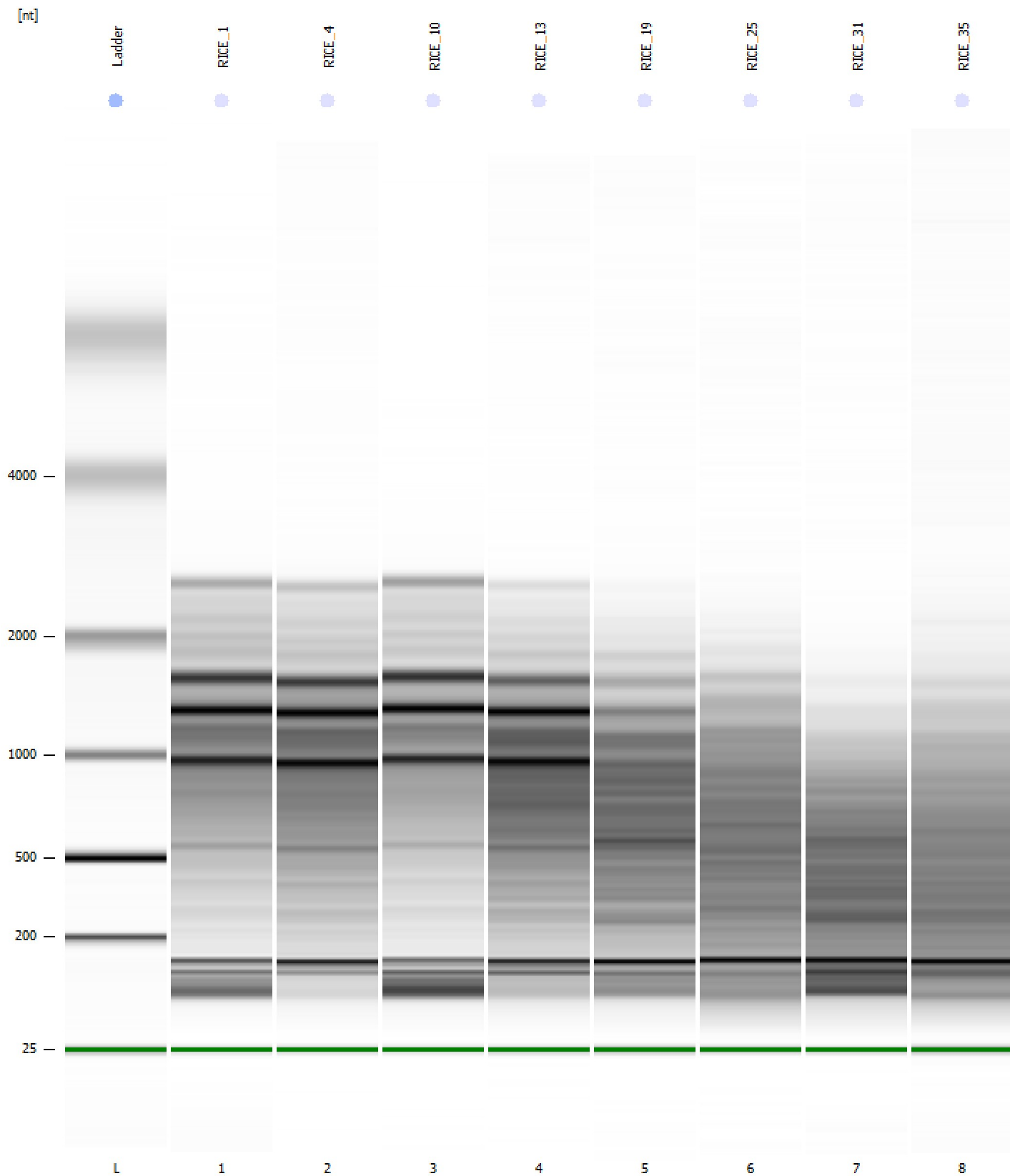
**Fragment table for sample 8 : RICE\_35**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,742	1.4	0.3

Assay Class: Plant RNA Pico  
Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
Modified: 2/9/2023 7:12:50 PM

**Gel Image**



Assay Class: Plant RNA Pico  
 Data Path: C:\...suser\Desktop\2023-02-09\QC1405\_Comai\_Amundson\_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM  
 Modified: 2/9/2023 7:12:50 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		2/9/2023 5:20:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-09\Bioanalyzer1_Plant RNA Pico_2023-02-09_001.xad)		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/9/2023 4:57:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB