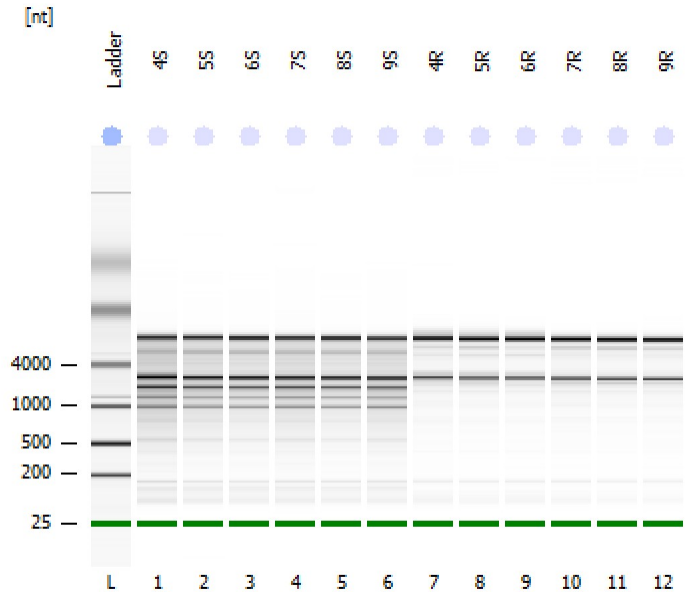


Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: IMG-CORE-AGILENT Firmware: C.01.069
 Serial#: DE34904209 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

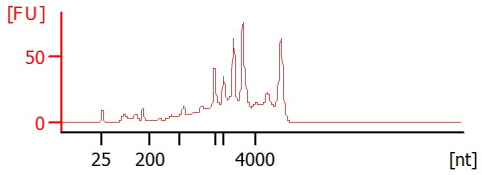
Assay Class: Plant RNA Nano
 Version: 1.3
 Assay Comments: Total RNA Analysis ng sensitivity (Plant)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

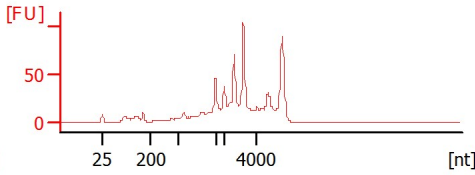
Chip Information:

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

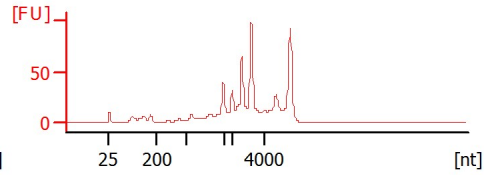
4S
 Jansa_MBU, RNA
 RIN: 5.90



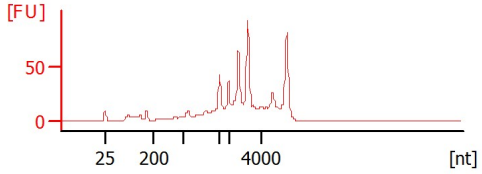
5S
 Jansa_MBU, RNA
 RIN: 6.10



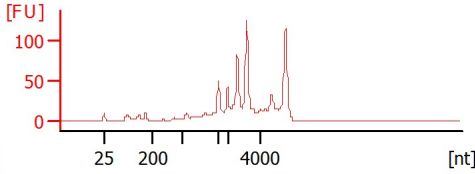
6S
 Jansa_MBU, RNA
 RIN: 6.40



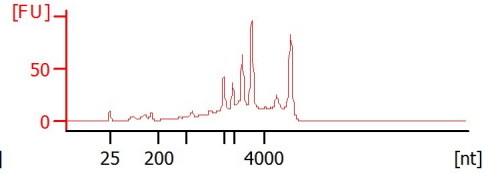
7S
 Jansa_MBU, RNA
 RIN: 6.10



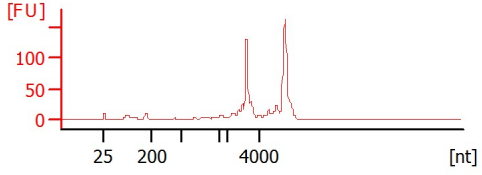
8S
 Jansa_MBU, RNA
 RIN: 6.40



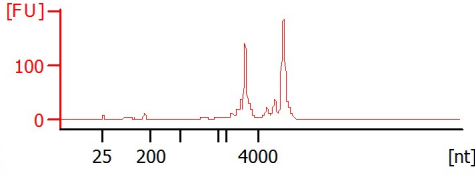
9S
 Jansa_MBU, RNA
 RIN: 6.10



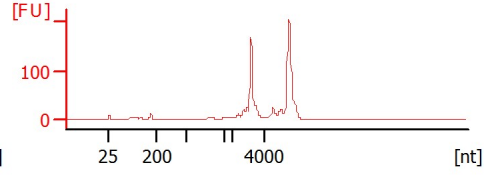
4R
 Jansa_MBU, RNA
 RIN: 9



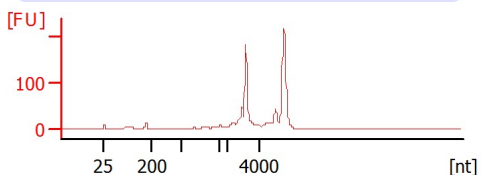
5R
 Jansa_MBU, RNA
 RIN: 9.20



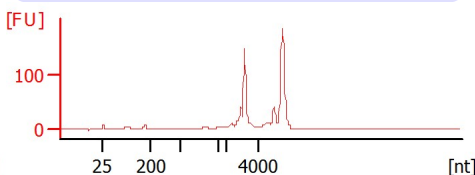
6R
 Jansa_MBU, RNA
 RIN: 9.40



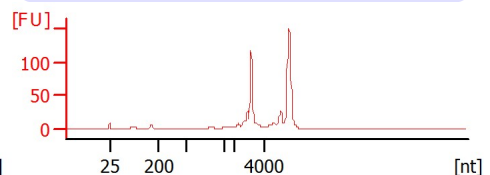
7R
 Jansa_MBU, RNA
 RIN: 8.90



8R
 Jansa_MBU, RNA
 RIN: 9.30



9R
 Jansa_MBU, RNA
 RIN: 9.20



Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4S	Jansa_MBU, RNA	✓	RIN: 5.90	
5S	Jansa_MBU, RNA	✓	RIN: 6.10	
6S	Jansa_MBU, RNA	✓	RIN: 6.40	
7S	Jansa_MBU, RNA	✓	RIN: 6.10	
8S	Jansa_MBU, RNA	✓	RIN: 6.40	
9S	Jansa_MBU, RNA	✓	RIN: 6.10	
4R	Jansa_MBU, RNA	✓	RIN:9	
5R	Jansa_MBU, RNA	✓	RIN: 9.20	
6R	Jansa_MBU, RNA	✓	RIN: 9.40	
7R	Jansa_MBU, RNA	✓	RIN: 8.90	
8R	Jansa_MBU, RNA	✓	RIN: 9.30	
9R	Jansa_MBU, RNA	✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
Modified: 4/22/2015 12:40:15 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.2

Area Threshold : 0.1

Width Threshold [s] : 0.2

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

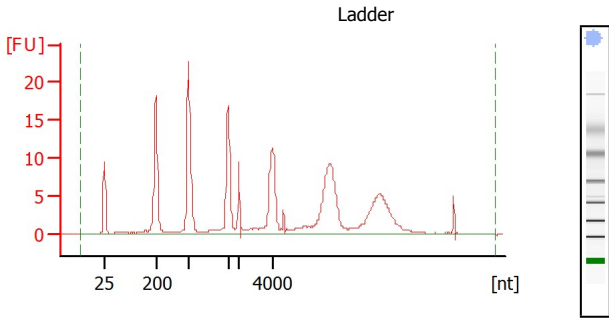
Ladder

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

Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

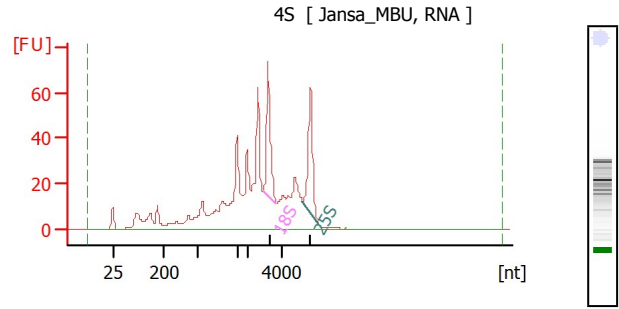
Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 212.7
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

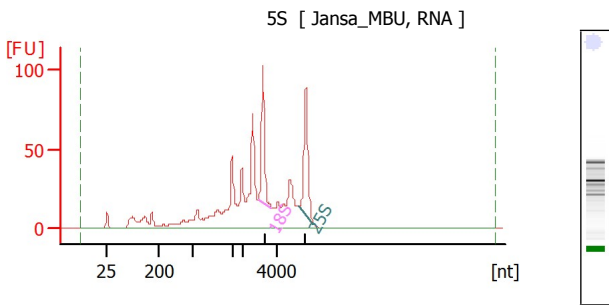


Overall Results for sample 1 : 4S

RNA Area: 801.8
 RNA Concentration: 565 ng/μl
 rRNA Ratio [25s / 18s]: 1.0
 RNA Integrity Number (RIN): 5.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.90

Fragment table for sample 1 : 4S

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,879	3,688	72.1	9.0
25S	5,209	6,141	74.6	9.3

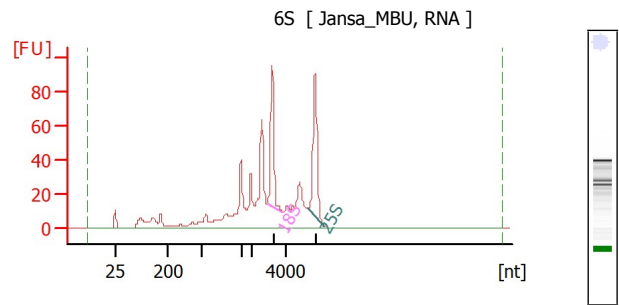


Overall Results for sample 2 : 5S

RNA Area: 875.4
 RNA Concentration: 617 ng/μl
 rRNA Ratio [25s / 18s]: 1.1
 RNA Integrity Number (RIN): 6.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

Fragment table for sample 2 : 5S

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,869	3,673	85.5	9.8
25S	5,208	6,110	97.7	11.2



Overall Results for sample 3 : 6S

RNA Area: 747.6
 RNA Concentration: 527 ng/μl
 rRNA Ratio [25s / 18s]: 1.2
 RNA Integrity Number (RIN): 6.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.40

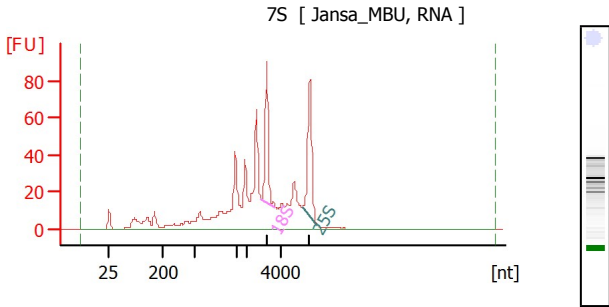
Fragment table for sample 3 : 6S

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,860	3,683	86.6	11.6
25S	5,160	6,128	101.5	13.6

Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

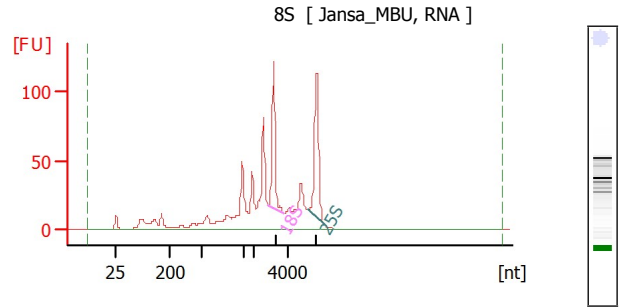
Electropherogram Summary Continued ...



Overall Results for sample 4 : 7S
 RNA Area: 776.2
 RNA Concentration: 547 ng/µl
 rRNA Ratio [25s / 18s]: 1.1
 RNA Integrity Number (RIN): 6.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

Fragment table for sample 4 : 7S

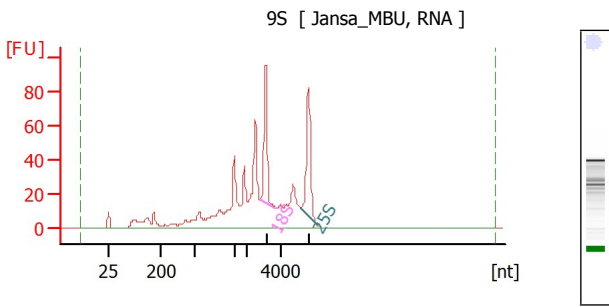
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,870	3,665	77.8	10.0
25S	5,184	6,075	86.5	11.1



Overall Results for sample 5 : 8S
 RNA Area: 894.9
 RNA Concentration: 631 ng/µl
 rRNA Ratio [25s / 18s]: 1.2
 RNA Integrity Number (RIN): 6.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.40

Fragment table for sample 5 : 8S

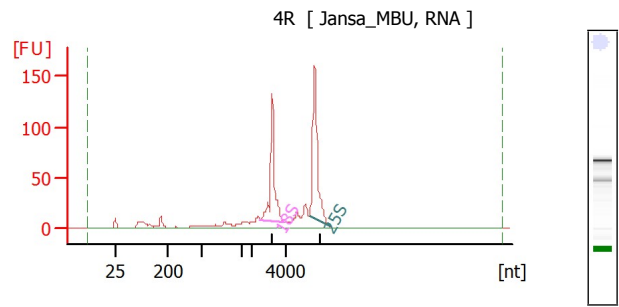
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,846	3,689	106.7	11.9
25S	5,135	6,123	128.4	14.4



Overall Results for sample 6 : 9S
 RNA Area: 784.8
 RNA Concentration: 553 ng/µl
 rRNA Ratio [25s / 18s]: 1.1
 RNA Integrity Number (RIN): 6.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

Fragment table for sample 6 : 9S

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,841	3,710	80.0	10.2
25S	5,159	6,053	88.1	11.2



Overall Results for sample 7 : 4R
 RNA Area: 698.1
 RNA Concentration: 492 ng/µl
 rRNA Ratio [25s / 18s]: 1.3
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:9

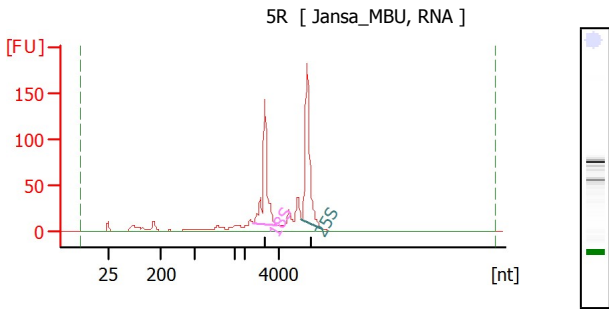
Fragment table for sample 7 : 4R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,497	3,852	161.0	23.1
25S	5,281	6,442	210.7	30.2

Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

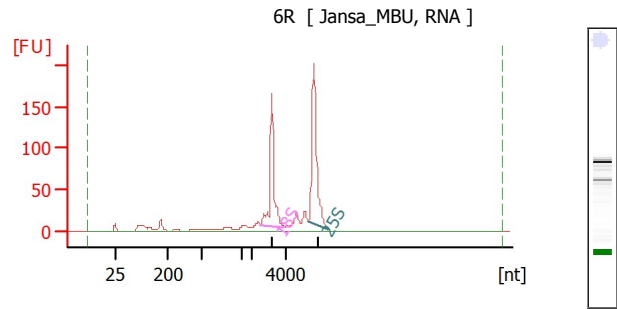
Electropherogram Summary Continued ...



Overall Results for sample 8 : 5R
 RNA Area: 744.3
 RNA Concentration: 525 ng/µl
 rRNA Ratio [25s / 18s]: 1.2
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 8 : 5R

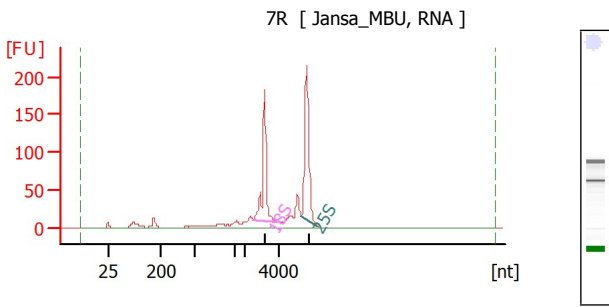
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,497	3,877	186.3	25.0
25S	5,256	6,442	225.3	30.3



Overall Results for sample 9 : 6R
 RNA Area: 789.3
 RNA Concentration: 557 ng/µl
 rRNA Ratio [25s / 18s]: 1.4
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 9 : 6R

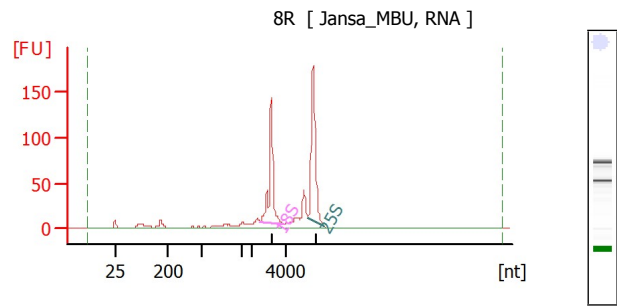
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,497	3,852	193.0	24.5
25S	5,232	6,394	269.3	34.1



Overall Results for sample 10 : 7R
 RNA Area: 864.7
 RNA Concentration: 610 ng/µl
 rRNA Ratio [25s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 10 : 7R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,473	3,852	203.0	23.5
25S	5,232	6,176	251.7	29.1



Overall Results for sample 11 : 8R
 RNA Area: 662.8
 RNA Concentration: 467 ng/µl
 rRNA Ratio [25s / 18s]: 1.3
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

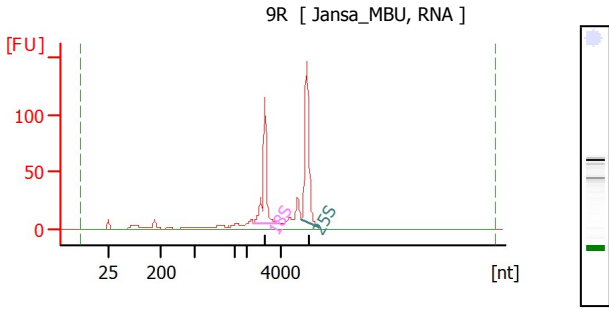
Fragment table for sample 11 : 8R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,449	3,852	166.7	25.2
25S	5,208	6,176	213.1	32.2

Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 9R
 RNA Area: 526.1
 RNA Concentration: 371 ng/ul
 rRNA Ratio [25s / 18s]: 1.4
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

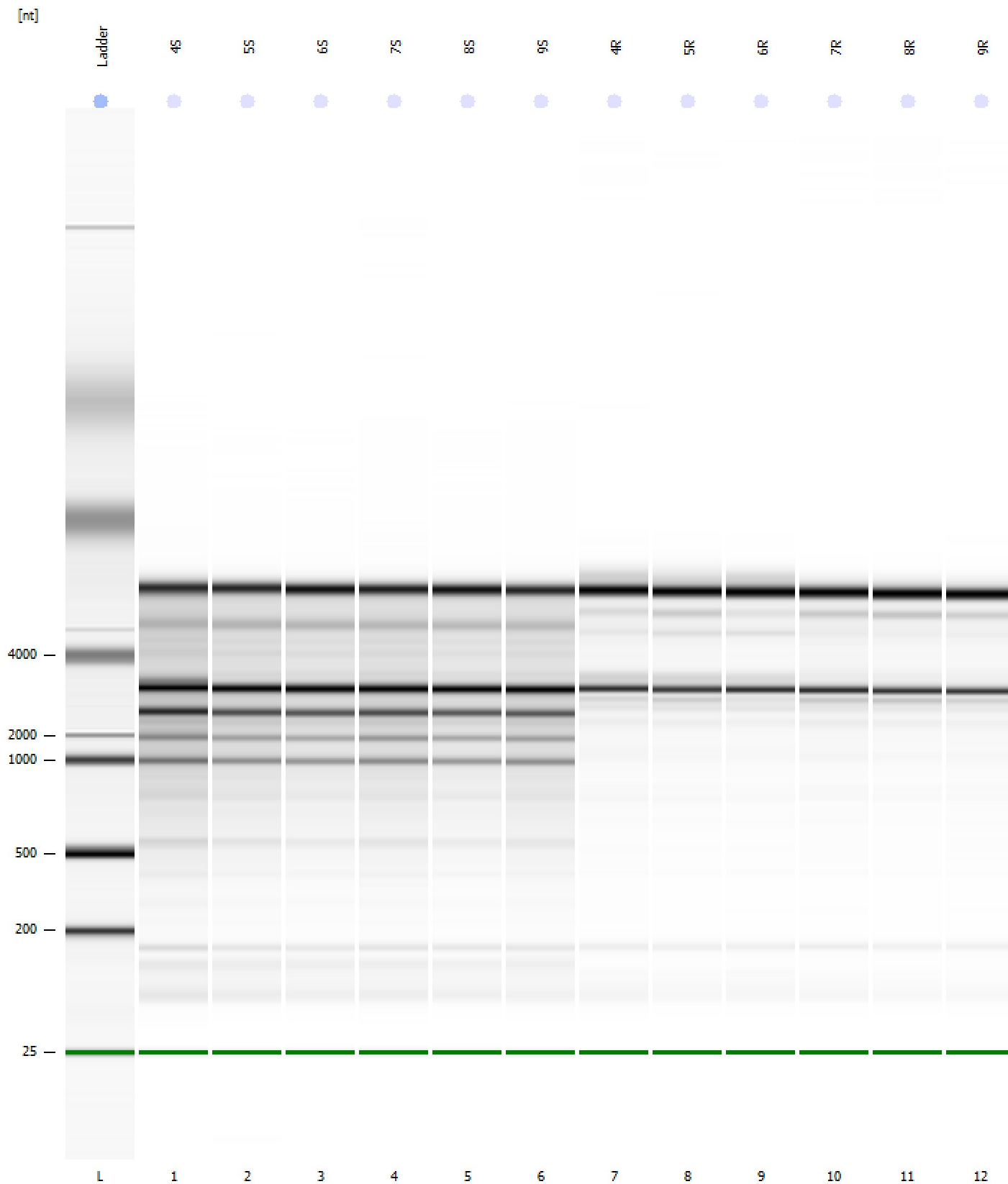
Fragment table for sample 12 : 9R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,455	3,807	123.6	23.5
25S	5,184	6,174	169.3	32.2

Assay Class: Plant RNA Nano
Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
Modified: 4/22/2015 12:40:15 PM

Gel Image



Assay Class: Plant RNA Nano
 Data Path: D:\...00 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad

Created: 4/22/2015 12:16:22 PM
 Modified: 4/22/2015 12:40:15 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		4/22/2015 12:40:13 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Run started on port 1 (File: D:\Agilent\data\2015-04-22\2100 expert_Plant RNA Nano_DE34904209_2015-04-22_12-16-22.xad)		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Product Number : G2938C		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Name : IMG-CORE-AGILENT		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Vendor : Agilent Technologies		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Serial# : DE34904209		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Firmware : C.01.069		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT
Cartridge : Electrode		Instrument	Run		4/22/2015 12:16:27 PM	(GMT +02:00) Central Europe Standard Time	corelab	NAT4AGILENT