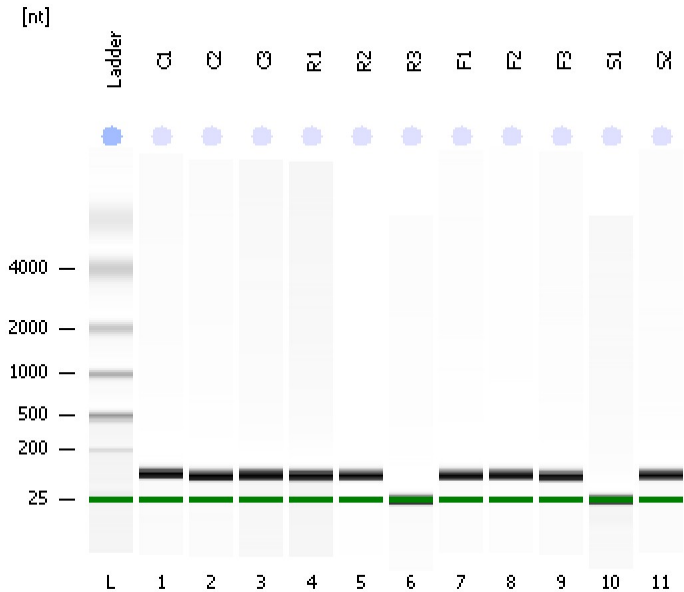


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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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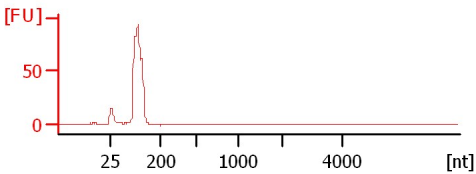
Chip Information:

Chip Lot #:

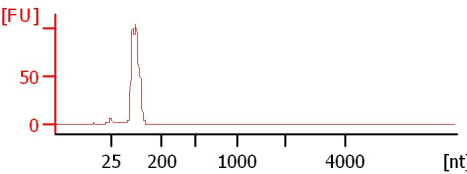
Reagent Kit Lot #:

Chip Comments:

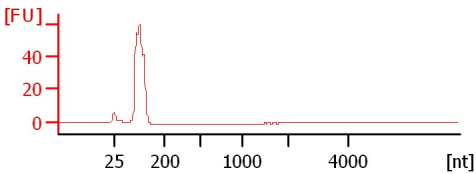
C1
RIN: 2.60



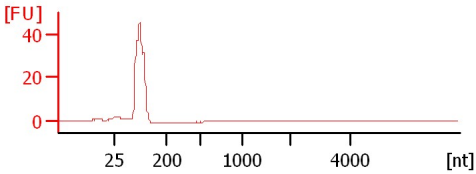
C2
RIN: 2.60



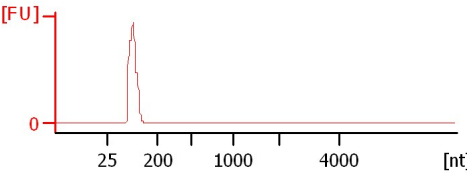
C3
RIN: 2.60



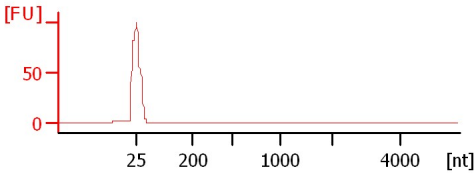
R1
RIN: 2.60



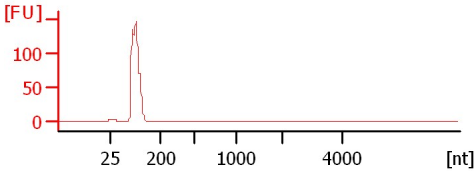
R2
RIN: 2.60



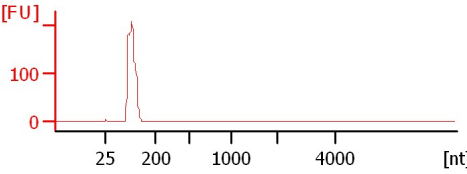
R3
RIN: 5.10



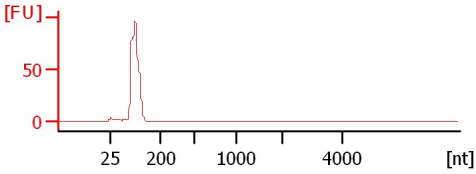
F1
RIN: 2.60



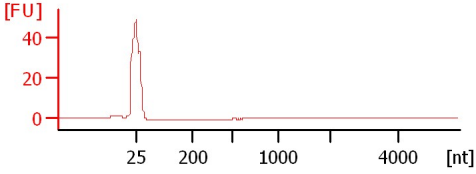
F2
RIN: 2.60



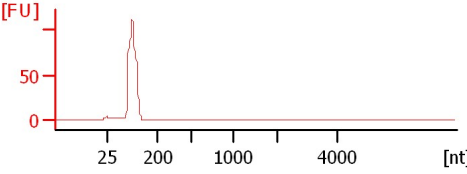
F3
RIN: 2.60



S1
RIN: 5.20



S2
RIN: 2.60



Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C1		✓	RIN: 2.60	
C2		✓	RIN: 2.60	
C3		✓	RIN: 2.60	
R1		✓	RIN: 2.60	
R2		✓	RIN: 2.60	
R3		✓	RIN: 5.10	
F1		✓	RIN: 2.60	
F2		✓	RIN: 2.60	
F3		✓	RIN: 2.60	
S1		✓	RIN: 5.20	
S2		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 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

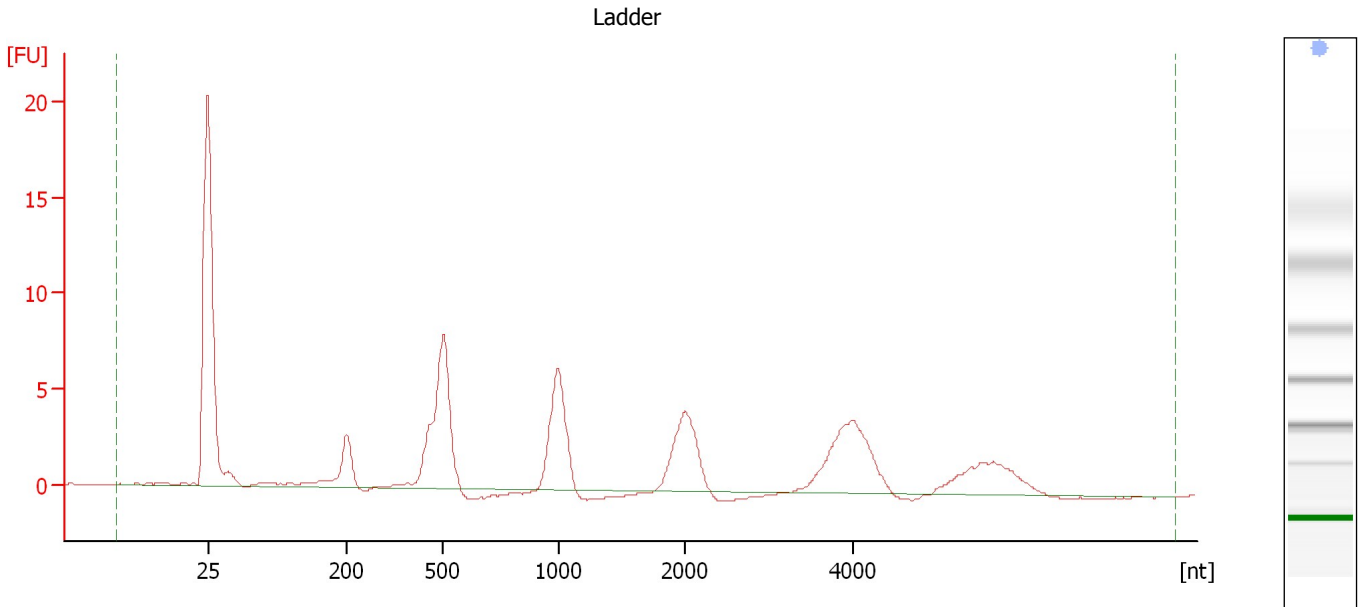
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary



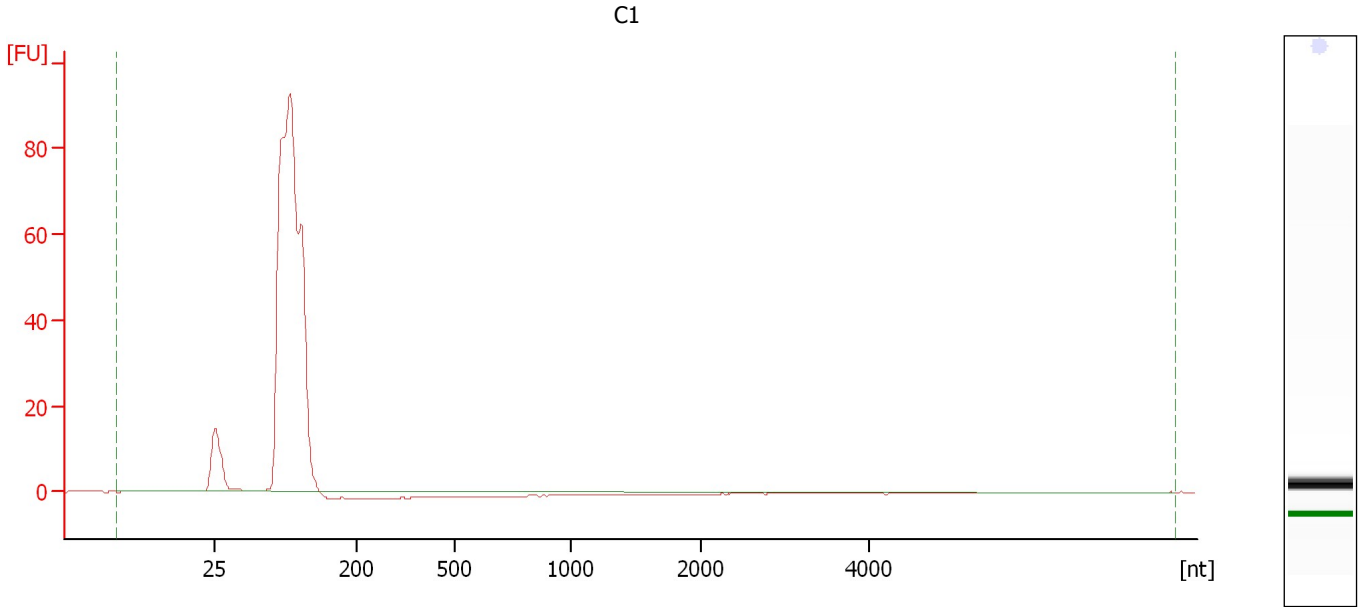
Overall Results for Ladder

RNA Area:	79.6	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\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



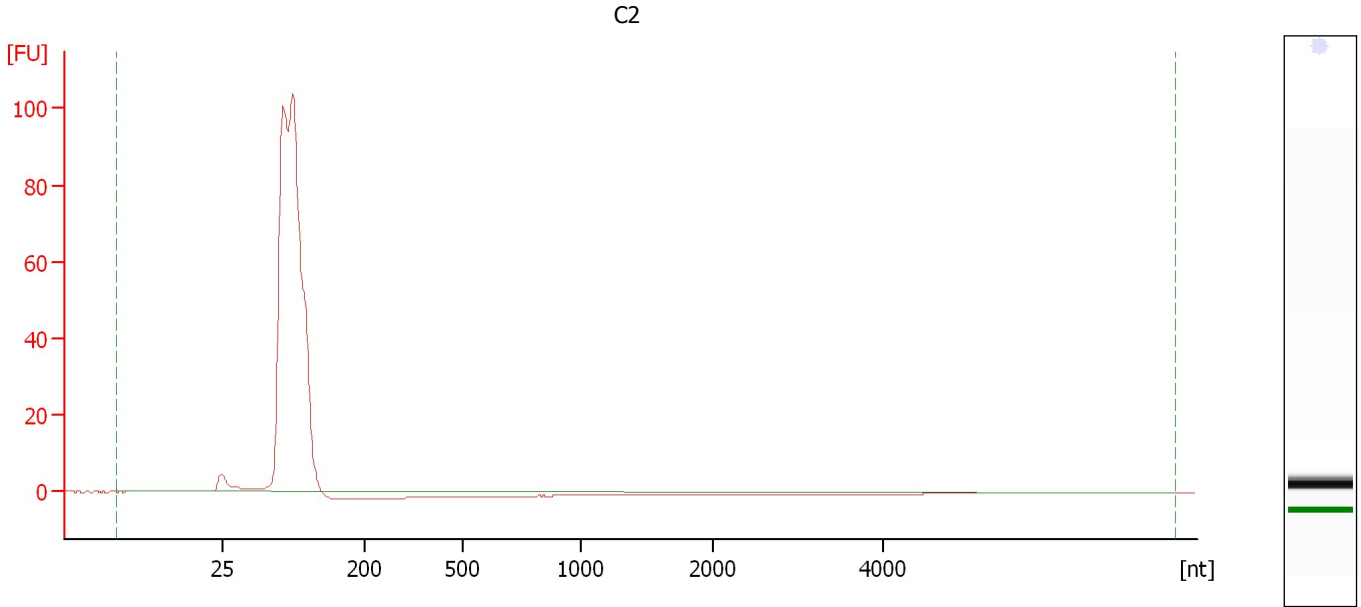
Overall Results for sample 1 : C1

RNA Area:	397.2	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	4,992 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



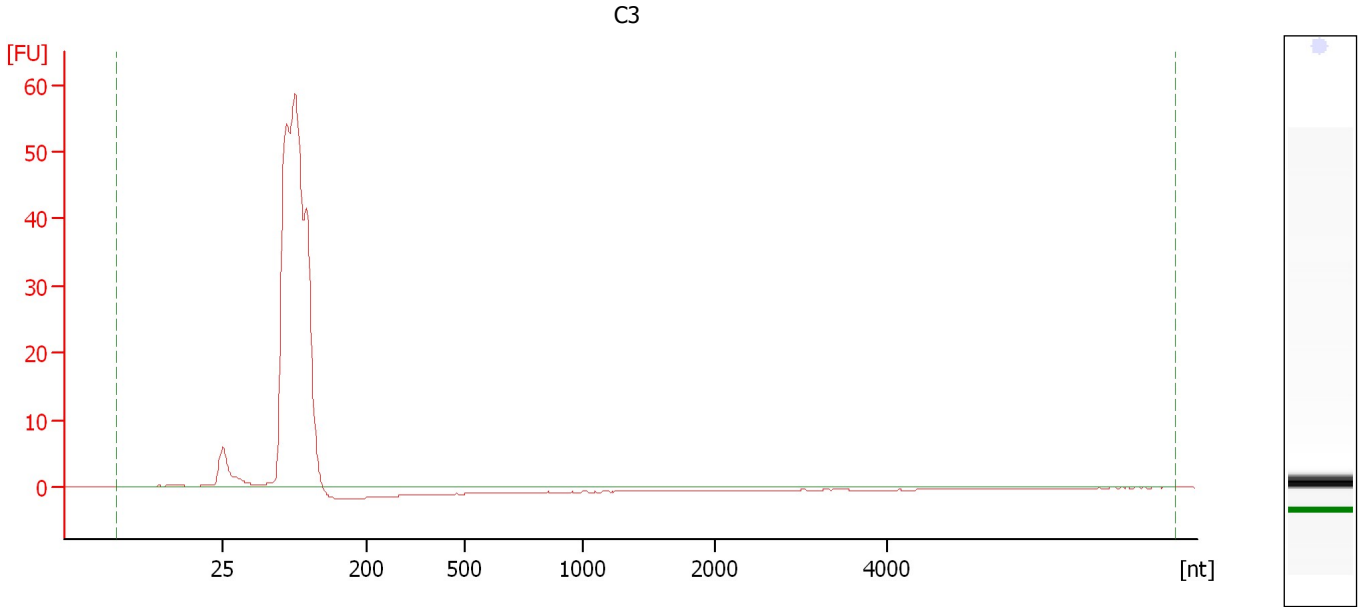
Overall Results for sample 2 : C2

RNA Area:	449.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	5,643 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



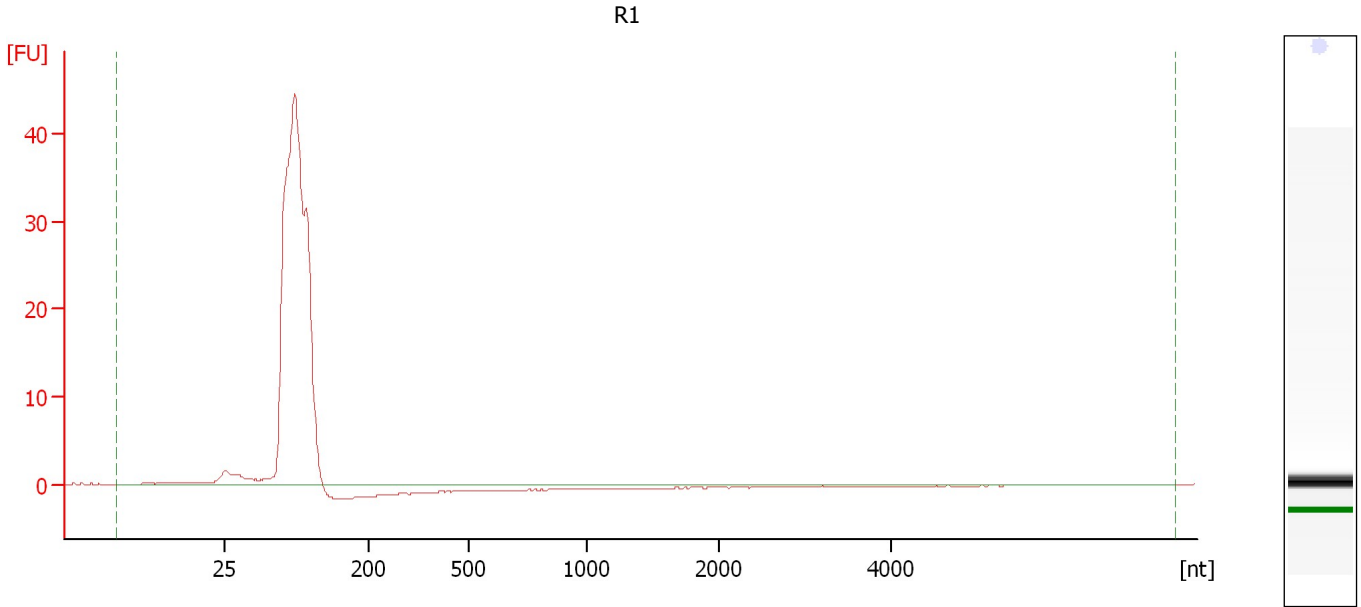
Overall Results for sample 3 : C3

RNA Area:	266.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	3,351 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



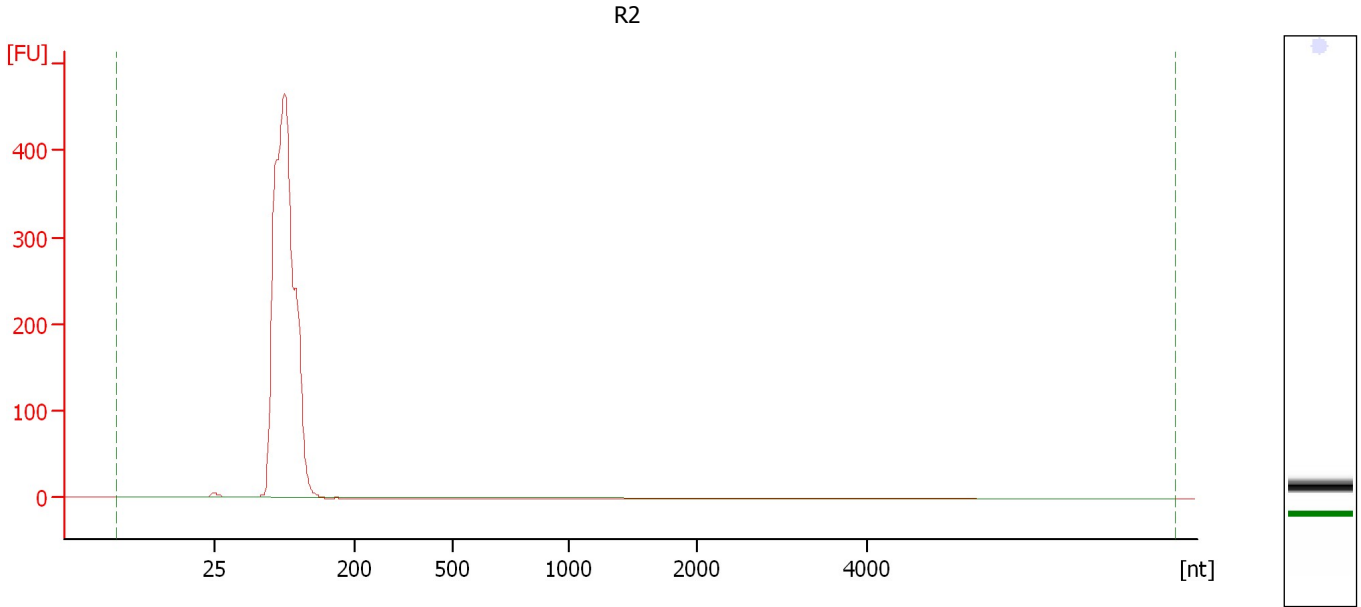
Overall Results for sample 4 : R1

RNA Area:	202.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	2,545 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



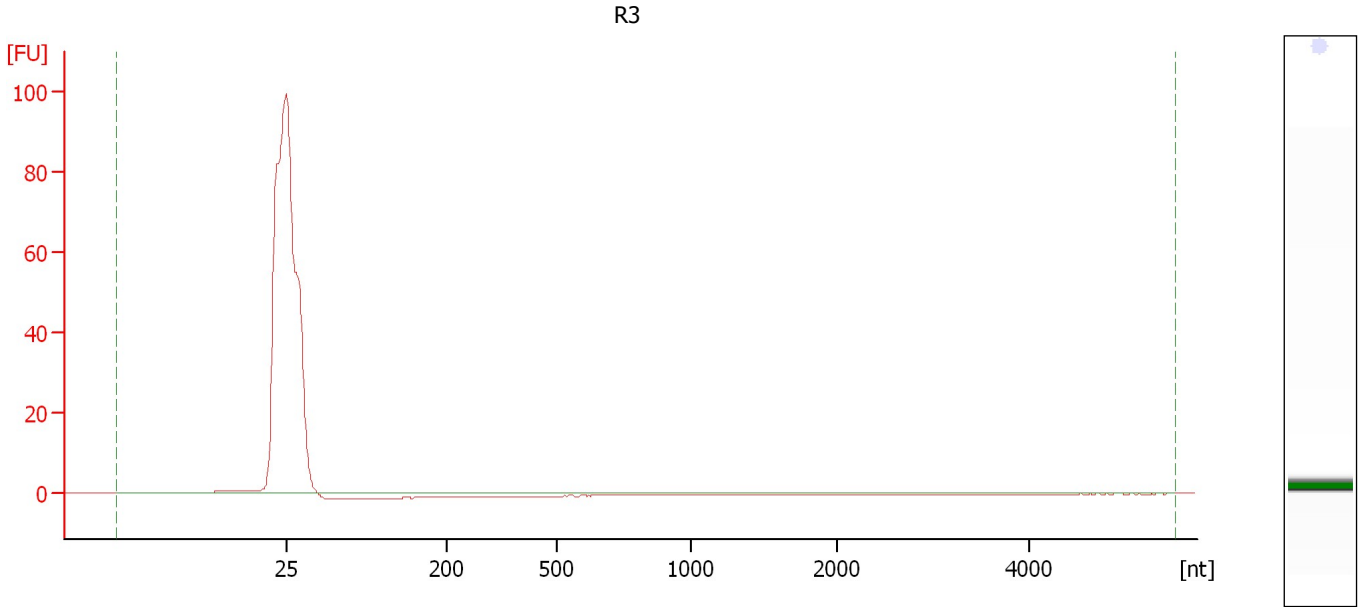
Overall Results for sample 5 : R2

RNA Area:	1,893.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	23,798 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



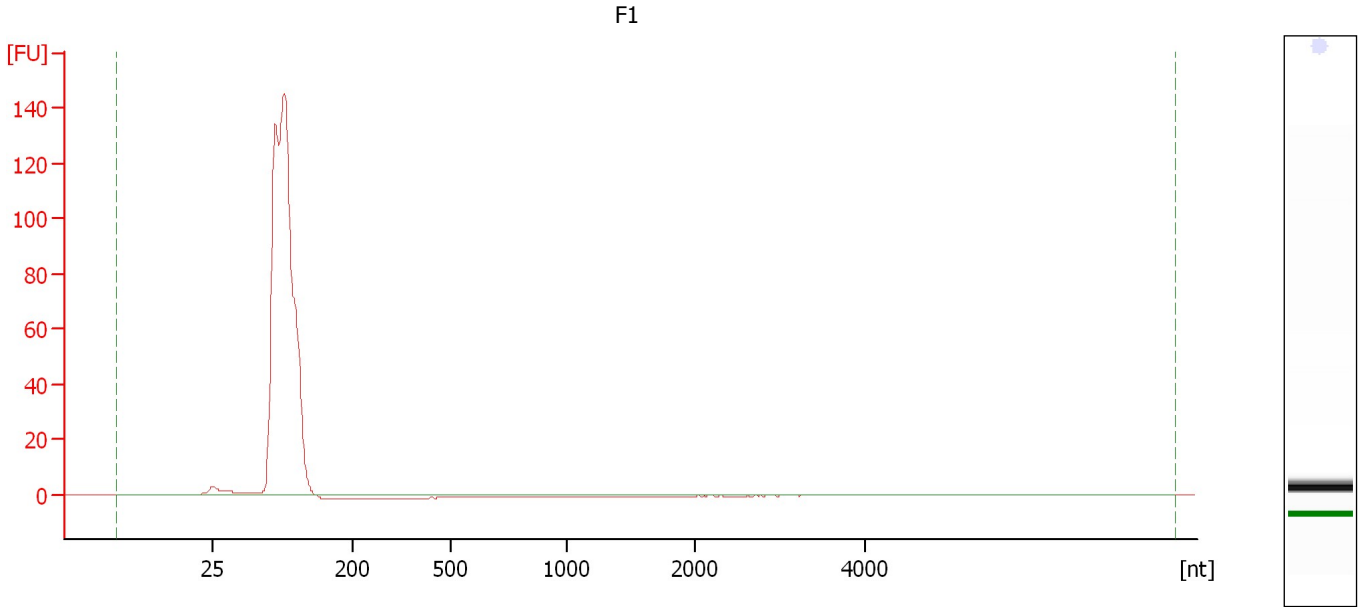
Overall Results for sample 6 : R3

RNA Area:	8.2	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	103 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 5.10

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



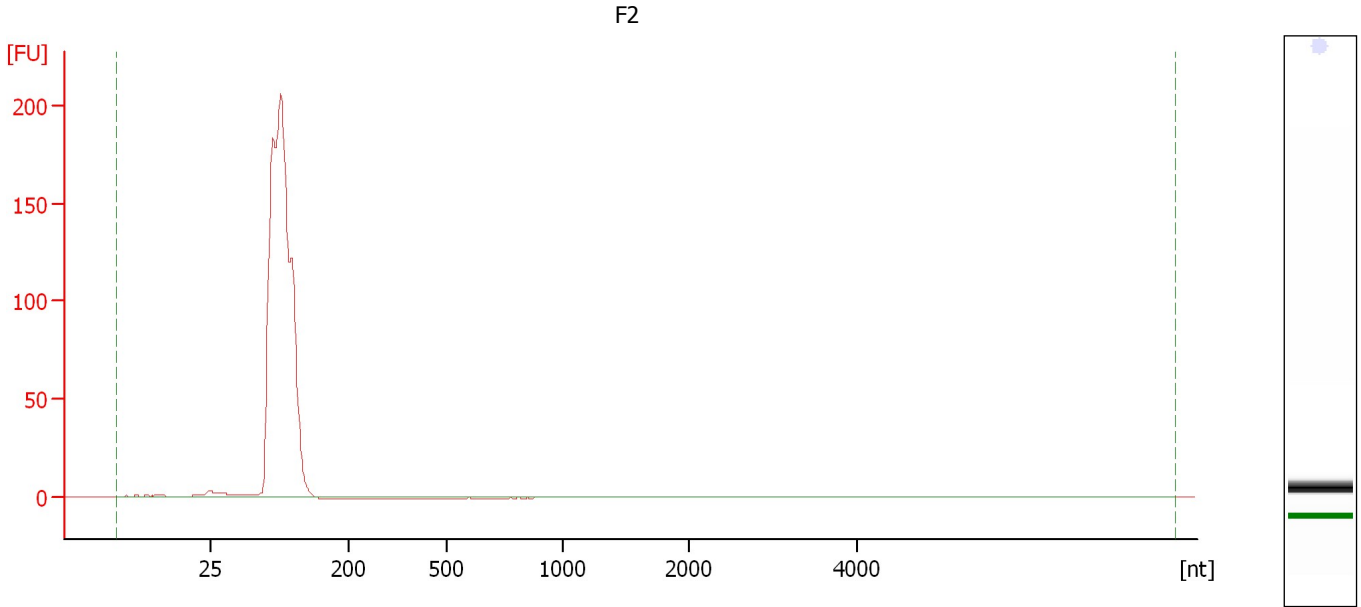
Overall Results for sample 7 : F1

RNA Area:	584.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	7,344 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



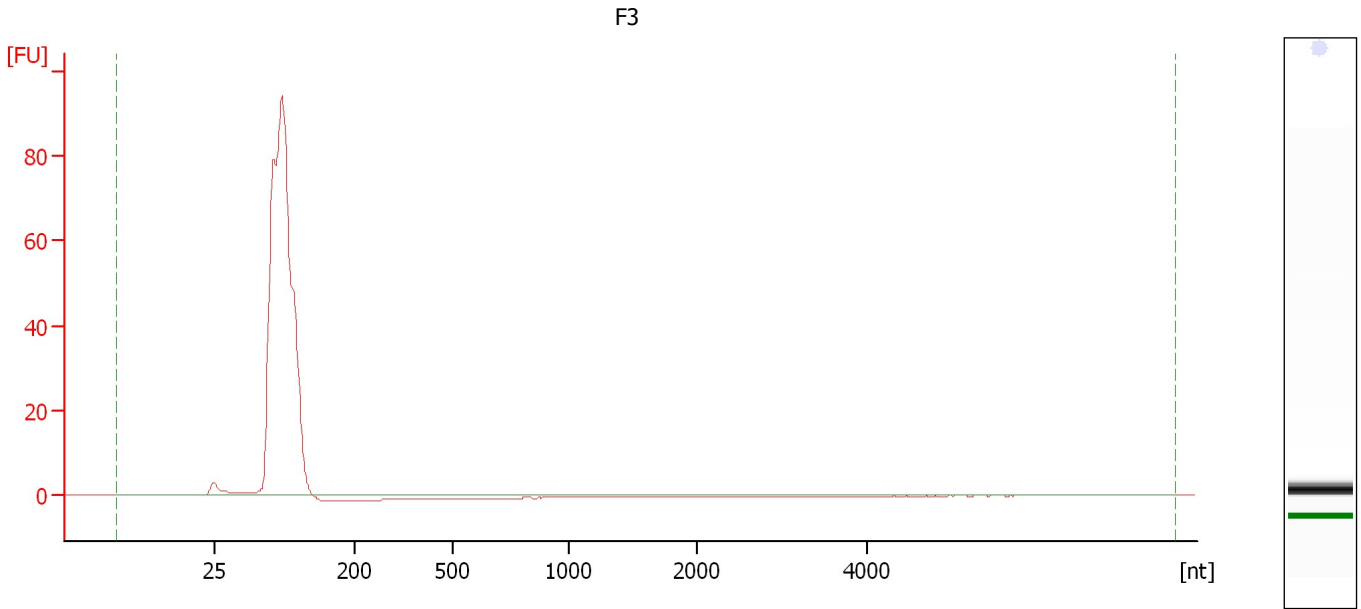
Overall Results for sample 8 : F2

RNA Area:	847.2	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	10,648 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



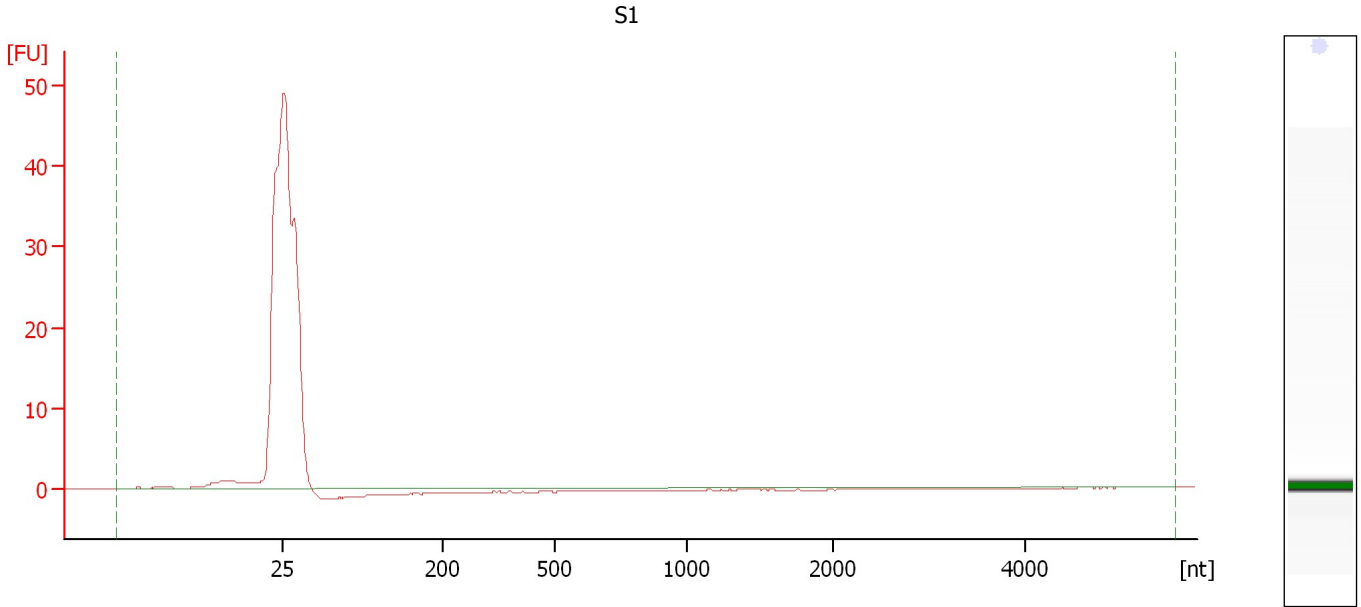
Overall Results for sample 9 : F3

RNA Area:	388.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	4,880 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



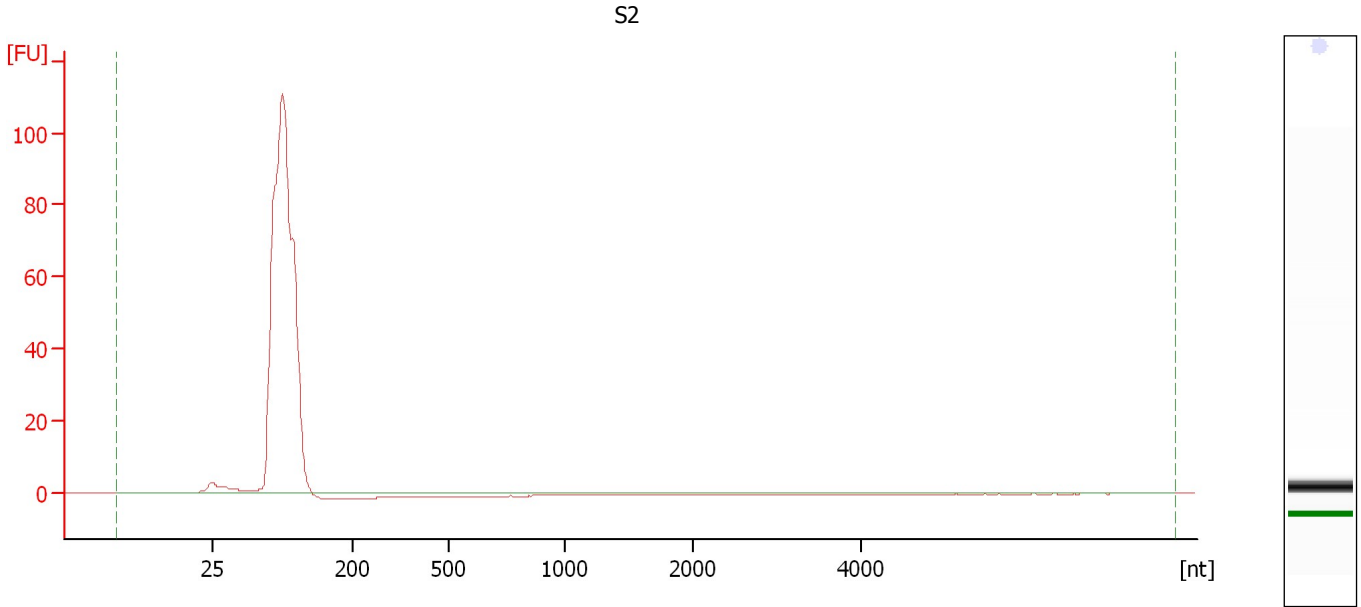
Overall Results for sample 10 : S1

RNA Area:	10.6	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	133 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 5.20

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Electropherogram Summary Continued ...



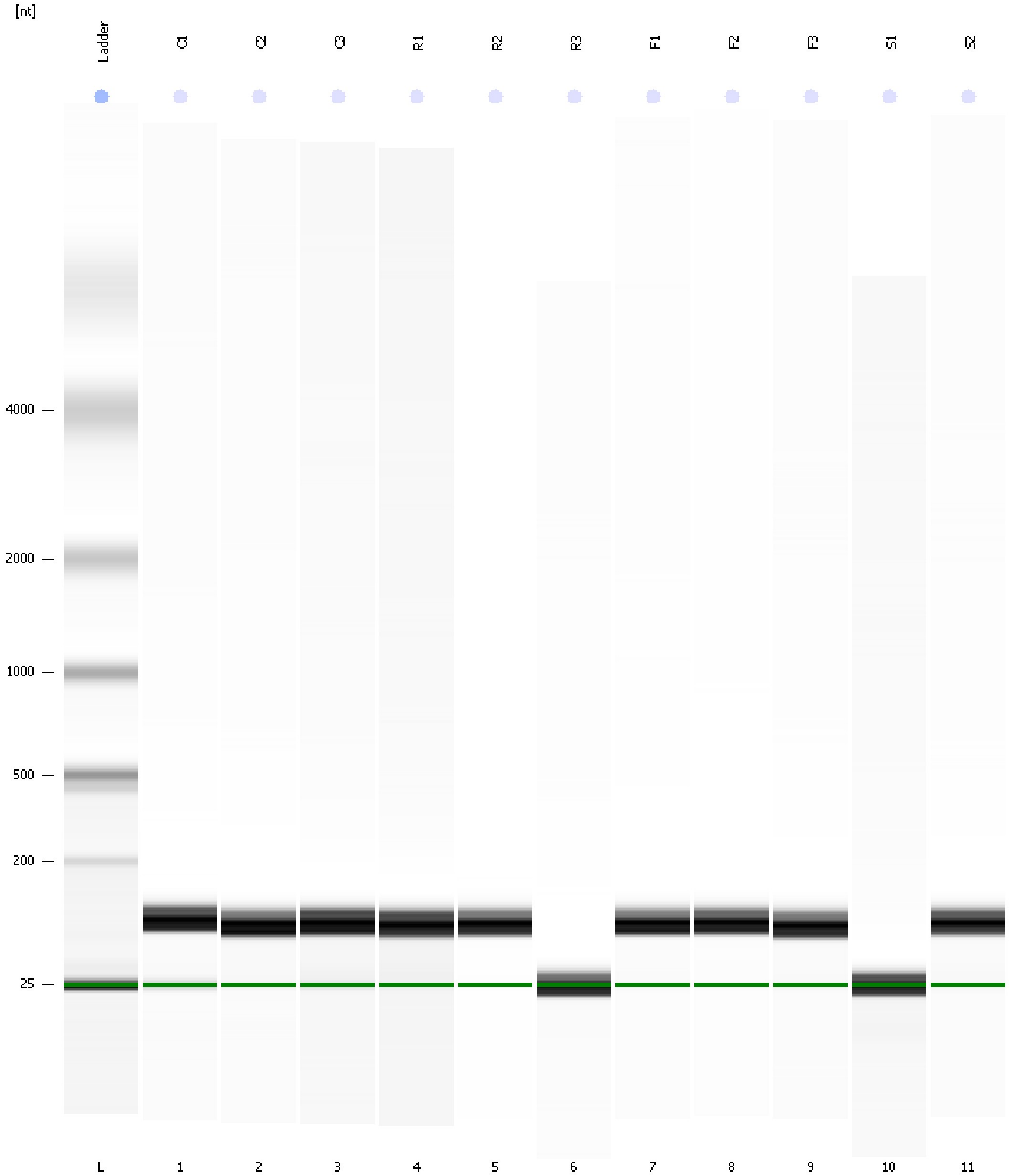
Overall Results for sample 11 : S2

RNA Area:	447.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	5,627 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Gel Image

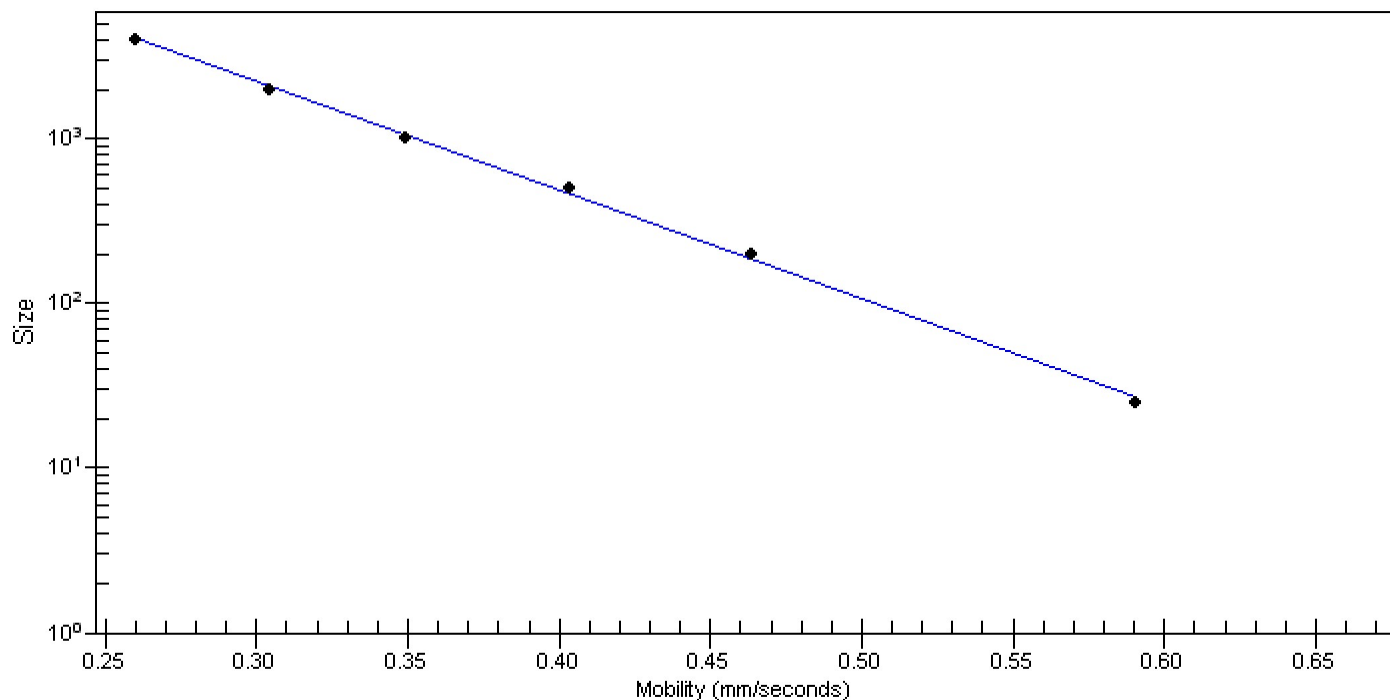


Assay Class: Plant RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
Modified: 6/28/2016 2:22:56 PM

Curves

Standard Curve



Assay Class: Plant RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad

Created: 6/28/2016 2:00:01 PM
 Modified: 6/28/2016 2:22:56 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		6/28/2016 2:22:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-06-28\2016-06-28_003.xad)		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/28/2016 2:00:07 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1