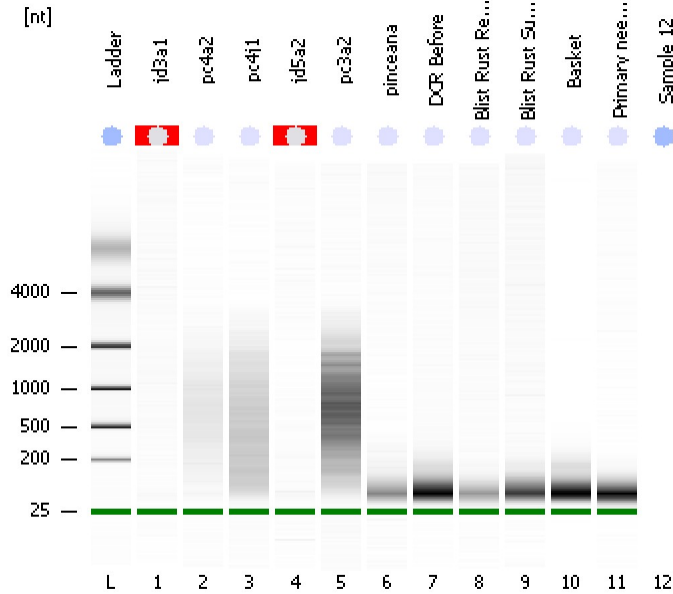


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

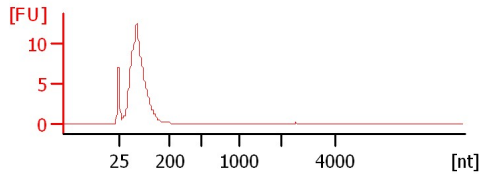
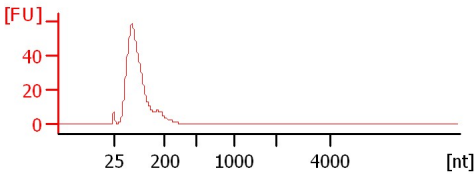
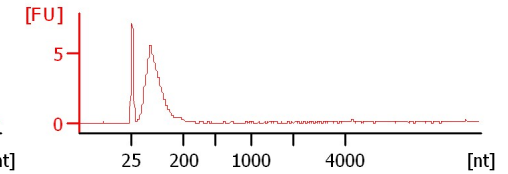
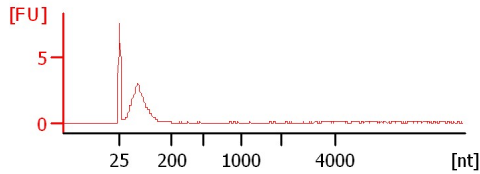
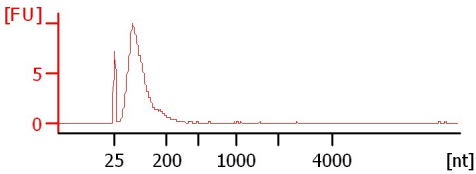
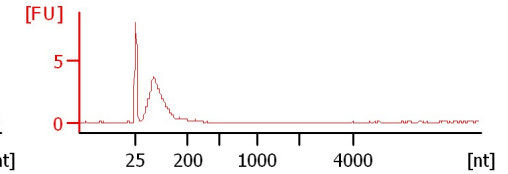
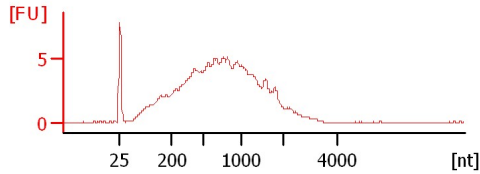
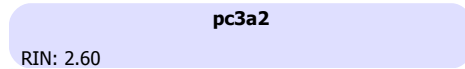
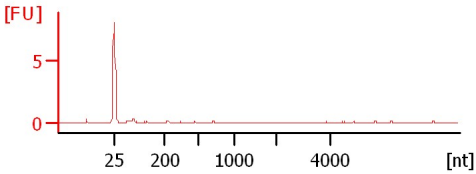
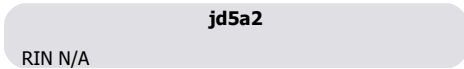
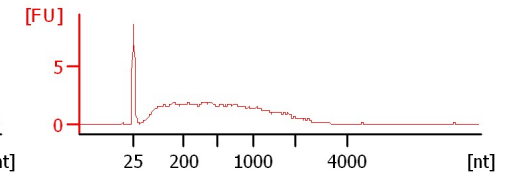
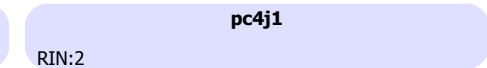
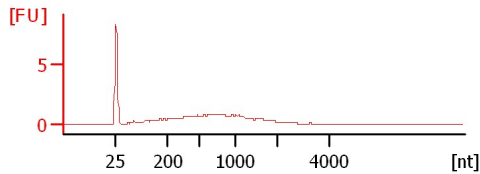
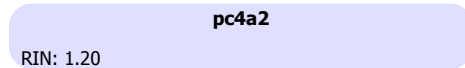
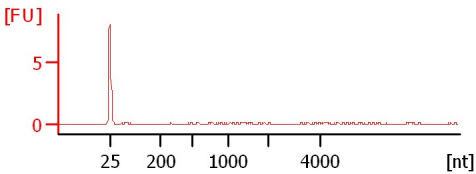
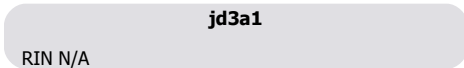
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

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

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Chip Information:

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



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
 Modified: 5/5/2014 11:56:59 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
jd3a1		✓	RIN N/A	
pc4a2		✓	RIN: 1.20	
pc4j1		✓	RIN:2	
jd5a2		✓	RIN N/A	
pc3a2		✓	RIN: 2.60	
pinceana		✓	RIN: 2.60	
DCR Before		✓	RIN: 2.60	
Blist Rust Res N		✓	RIN: 2.60	
Blist Rust Suc N		✓	RIN: 2.60	
Basket		✓	RIN: 2.60	
Primary needle		✓	RIN: 2.60	
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

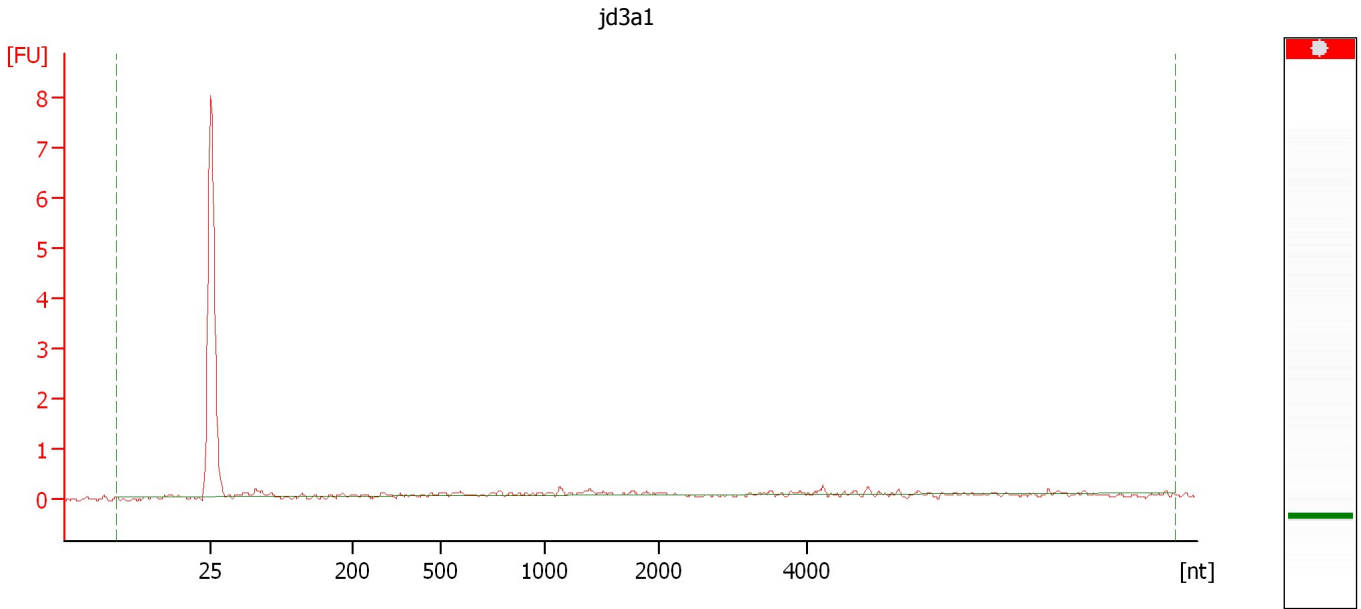
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary



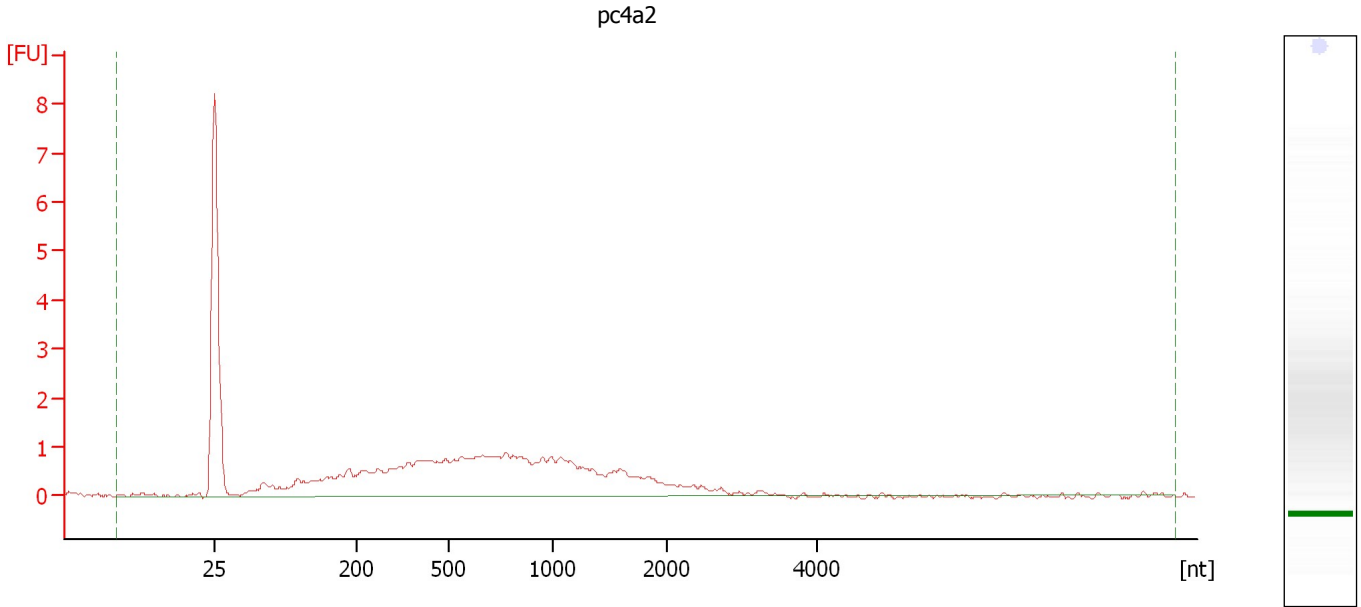
Overall Results for sample 1 : jd3a1

RNA Area:	2.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



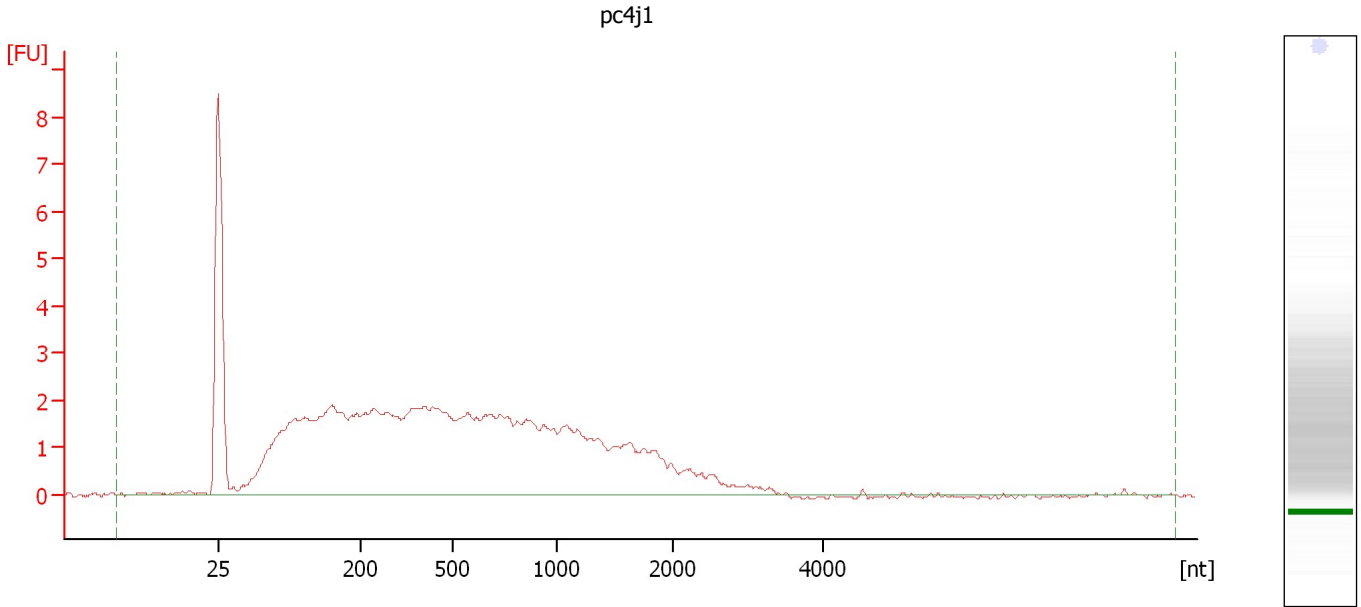
Overall Results for sample 2 : pc4a2

RNA Area:	31.7	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



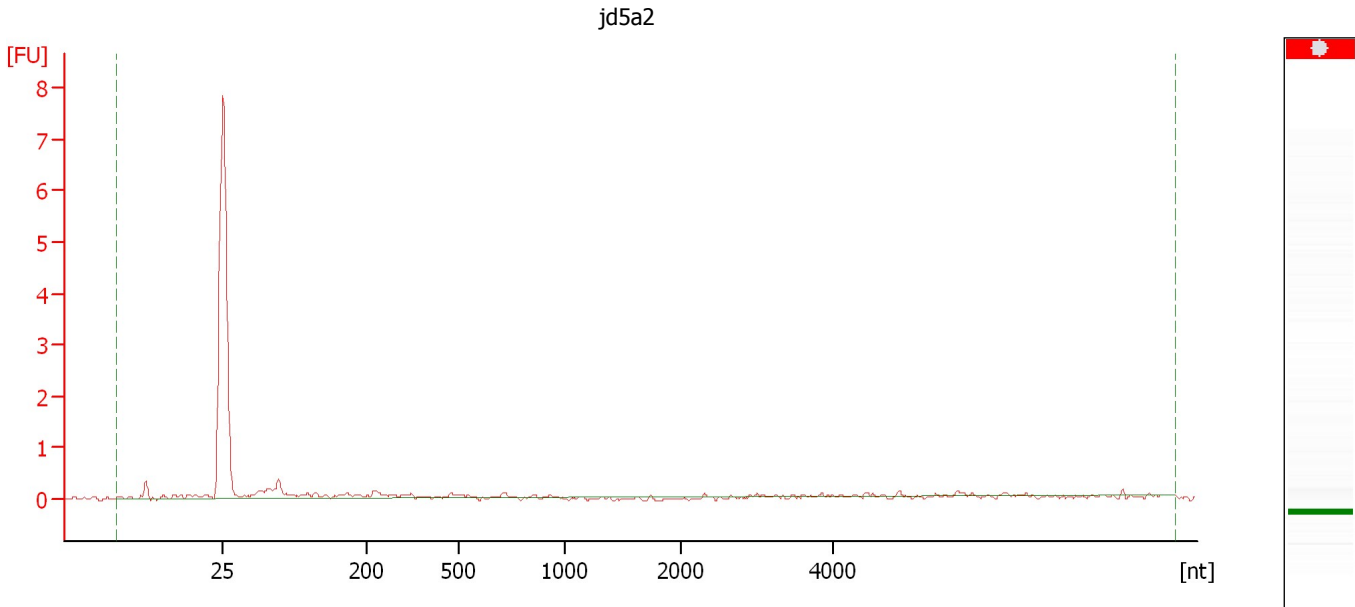
Overall Results for sample 3 : pc4j1

RNA Area:	86.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	62 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



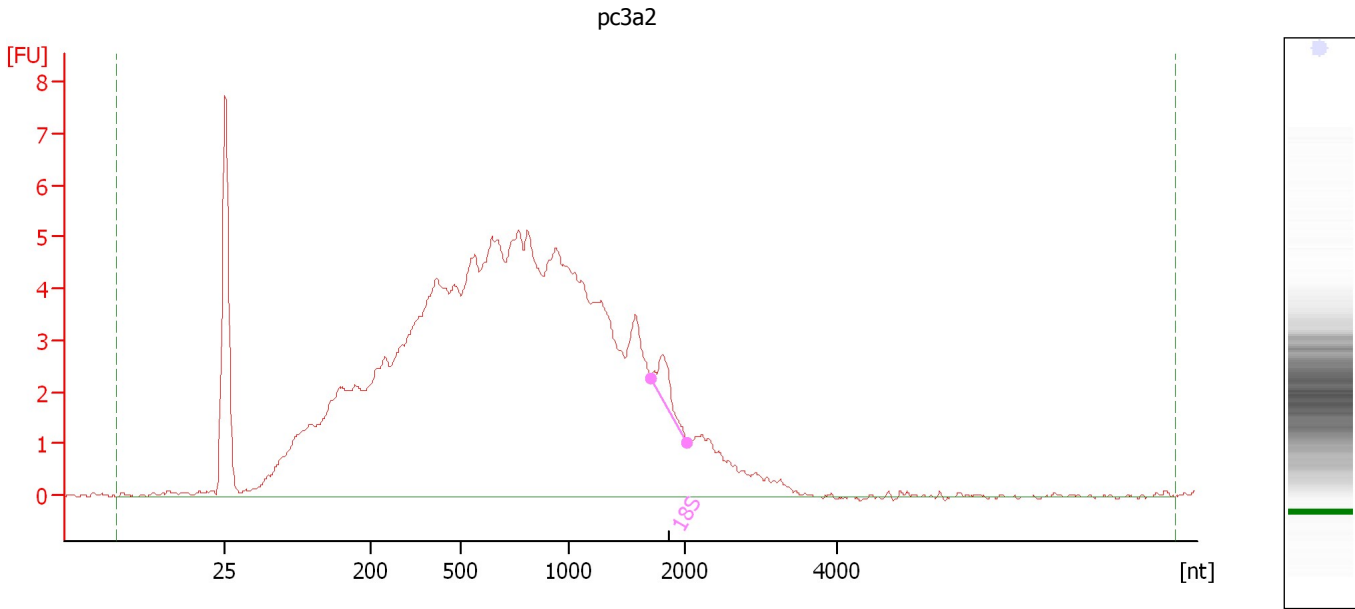
Overall Results for sample 4 : jd5a2

RNA Area:	3.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : pc3a2

RNA Area:	175.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	126 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

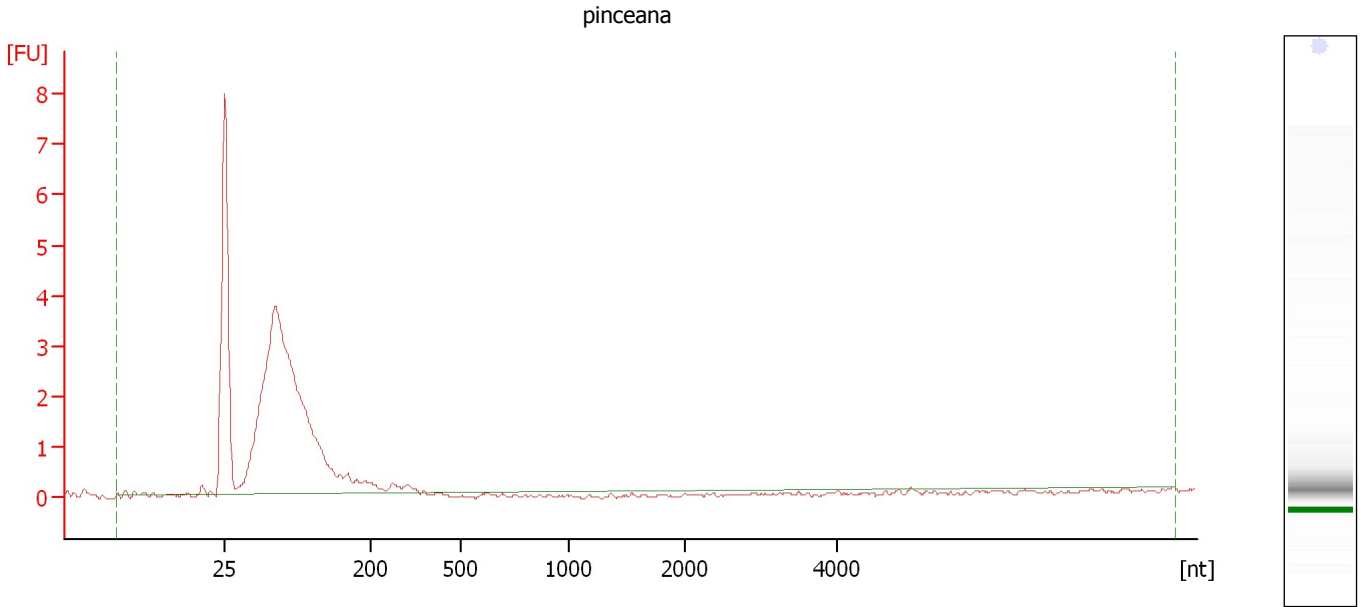
Fragment table for sample 5 : pc3a2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	2,029	1.4	0.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



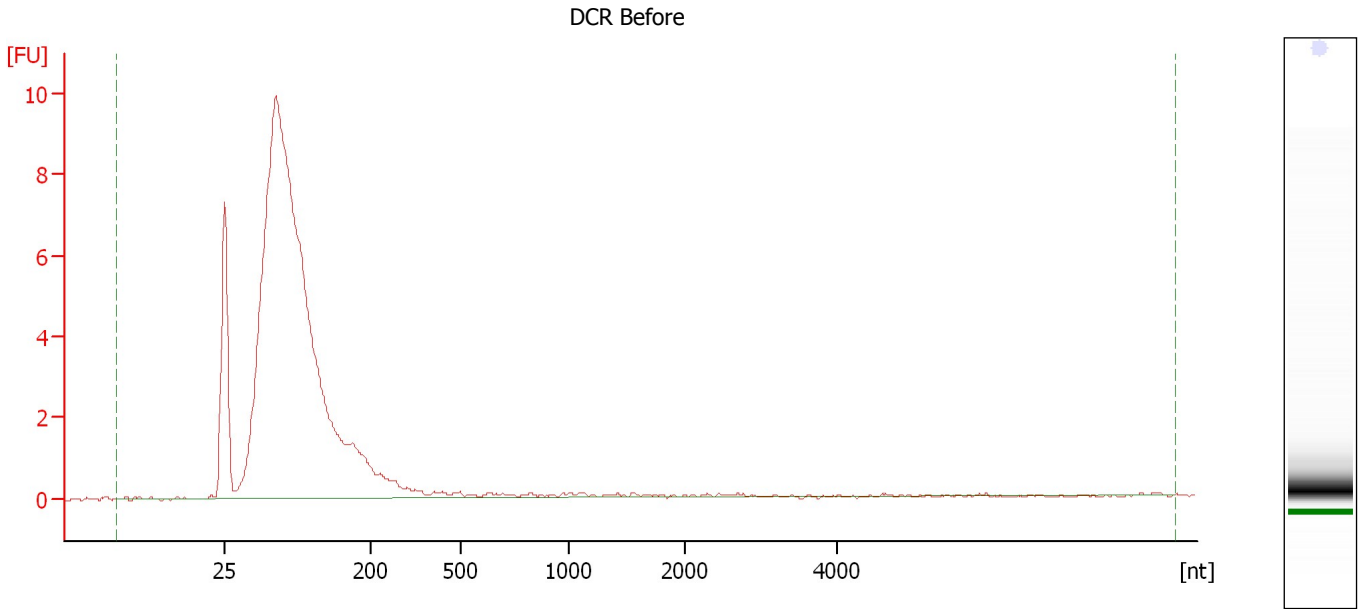
Overall Results for sample 6 : pinceana

RNA Area:	31.2	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DCR Before

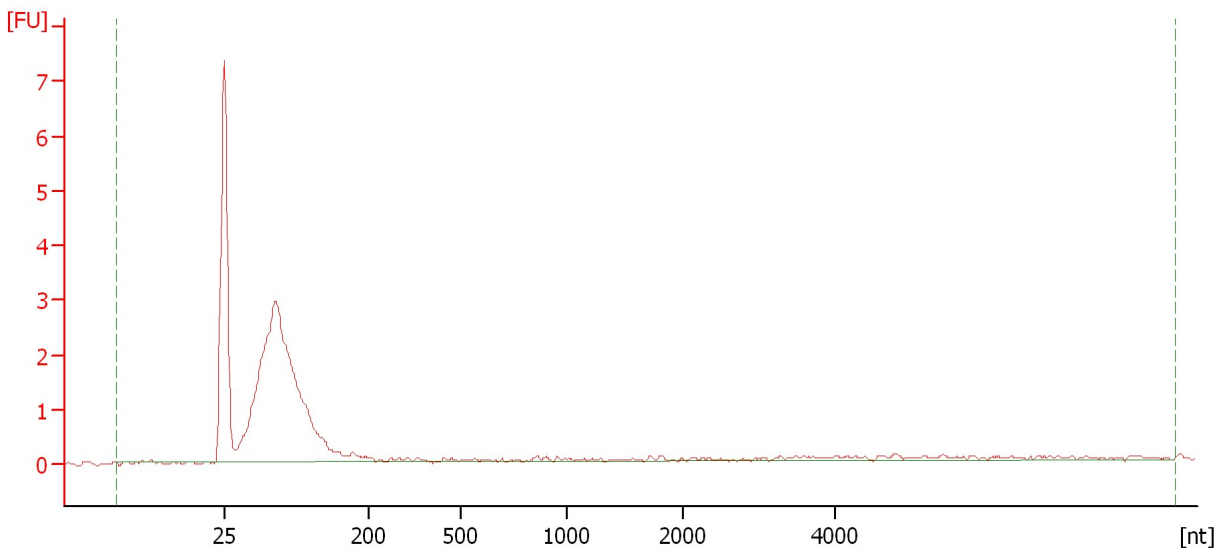
RNA Area:	93.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...

Blist Rust Res N



Overall Results for sample 8 : Blist Rust Res N

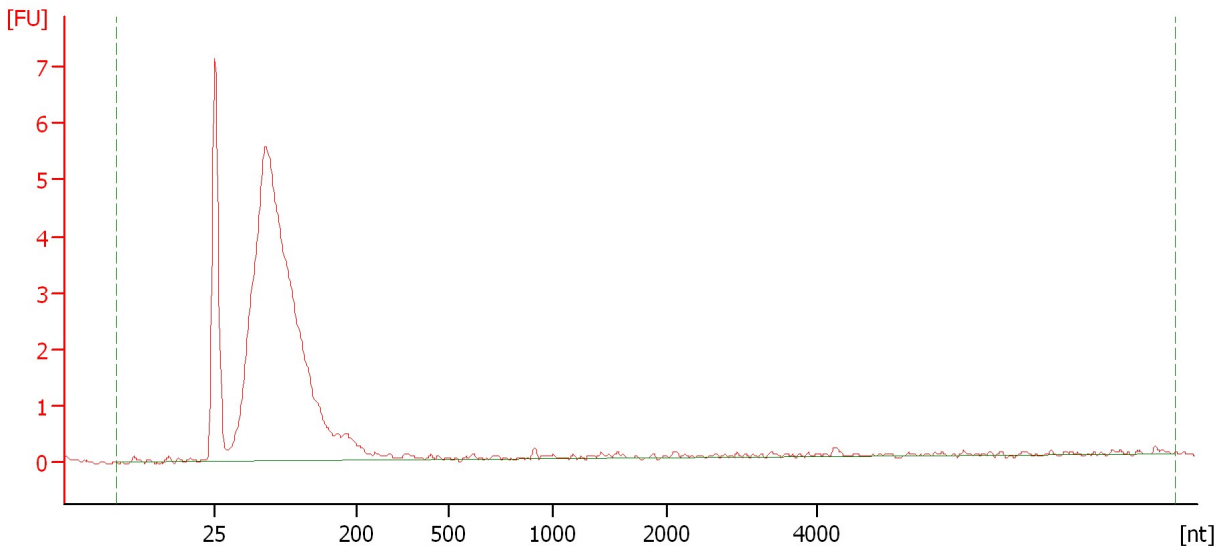
RNA Area:	25.2	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	18 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...

Blist Rust Suc N



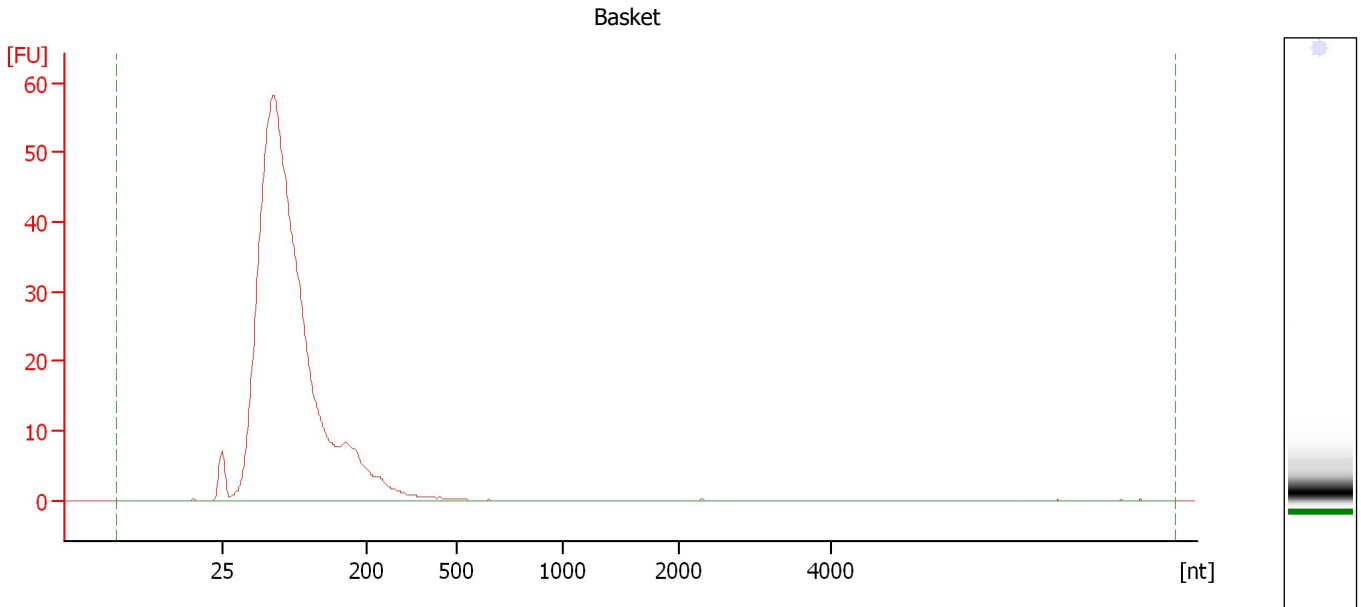
Overall Results for sample 9 : Blist Rust Suc N

RNA Area:	49.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Basket

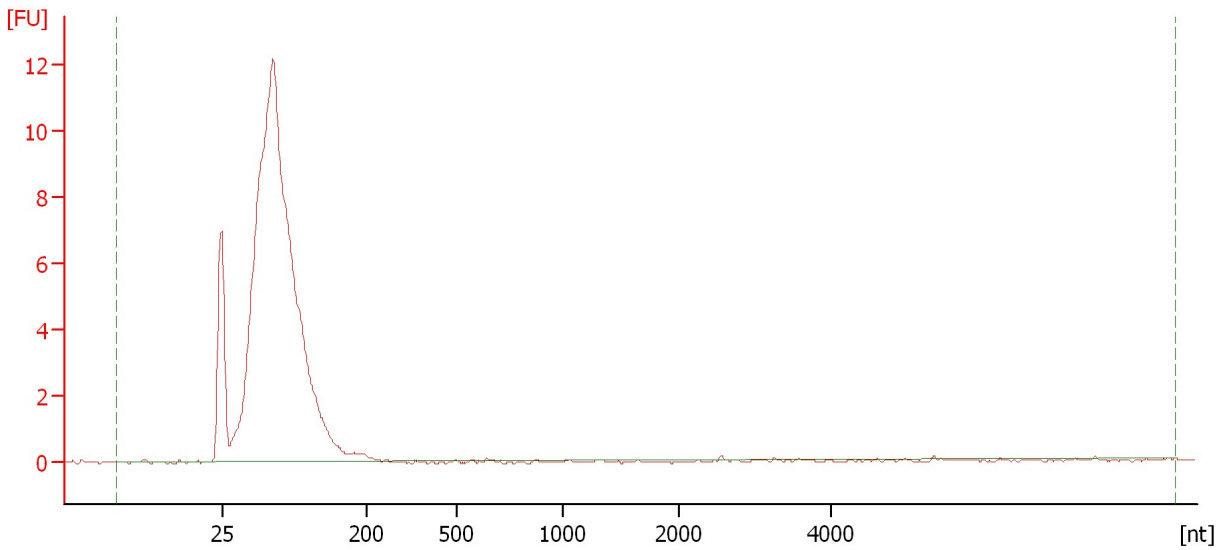
RNA Area:	522.4	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	374 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Electropherogram Summary Continued ...

Primary needle



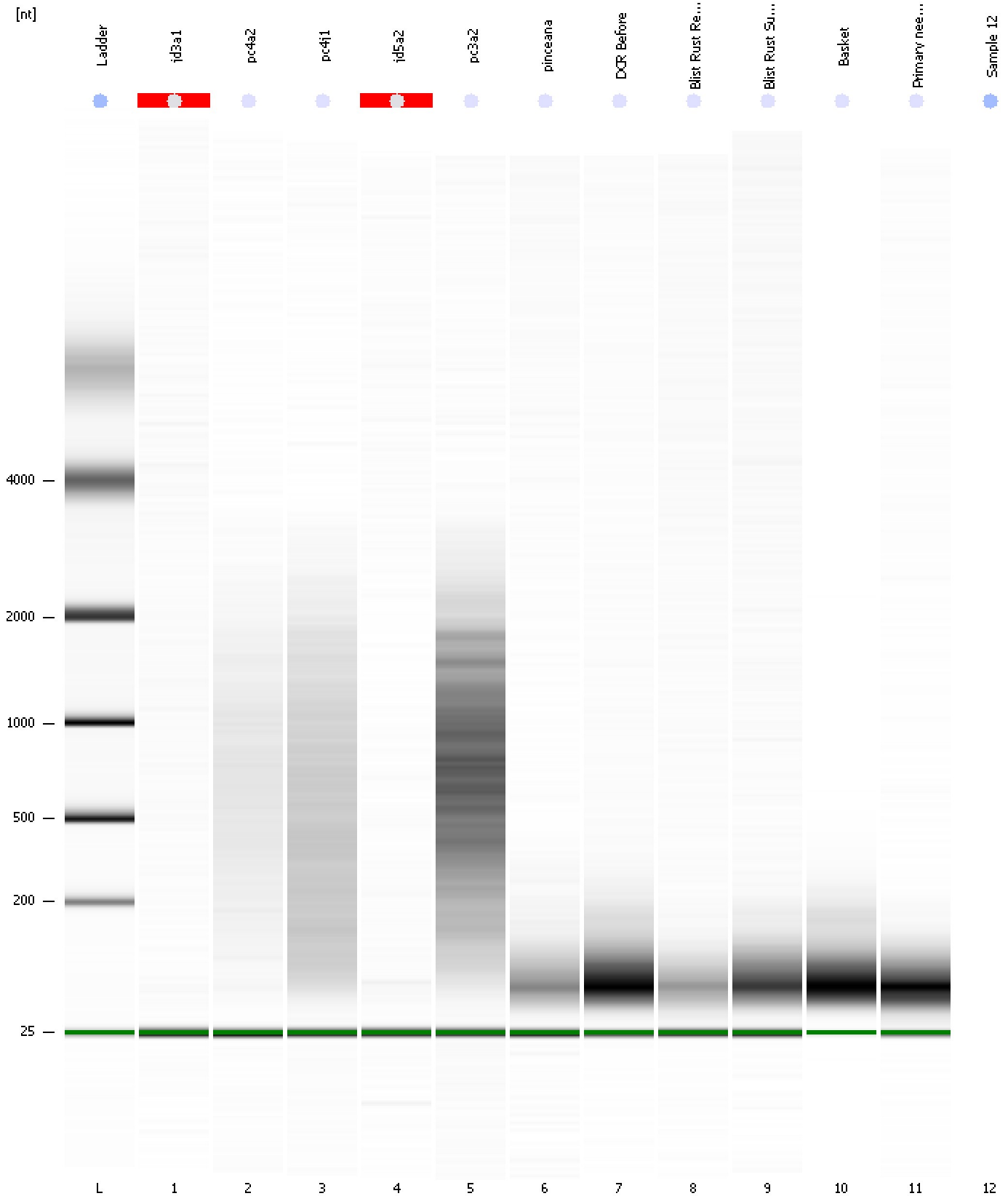
Overall Results for sample 11 : Primary needle

RNA Area:	90.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	65 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Gel Image



Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-05\2014-05-05_001.xad

Created: 5/5/2014 11:34:30 AM
Modified: 5/5/2014 11:56:59 AM

Invalid Samples

Sample 12 has not been run, no results available.