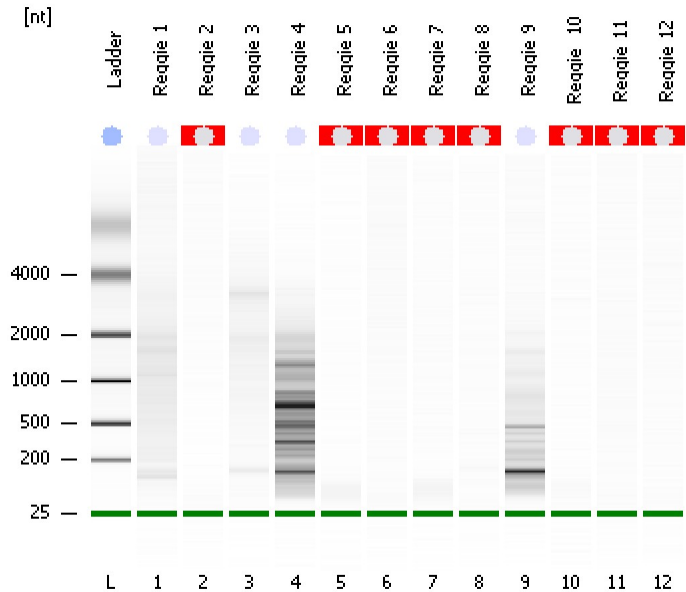


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

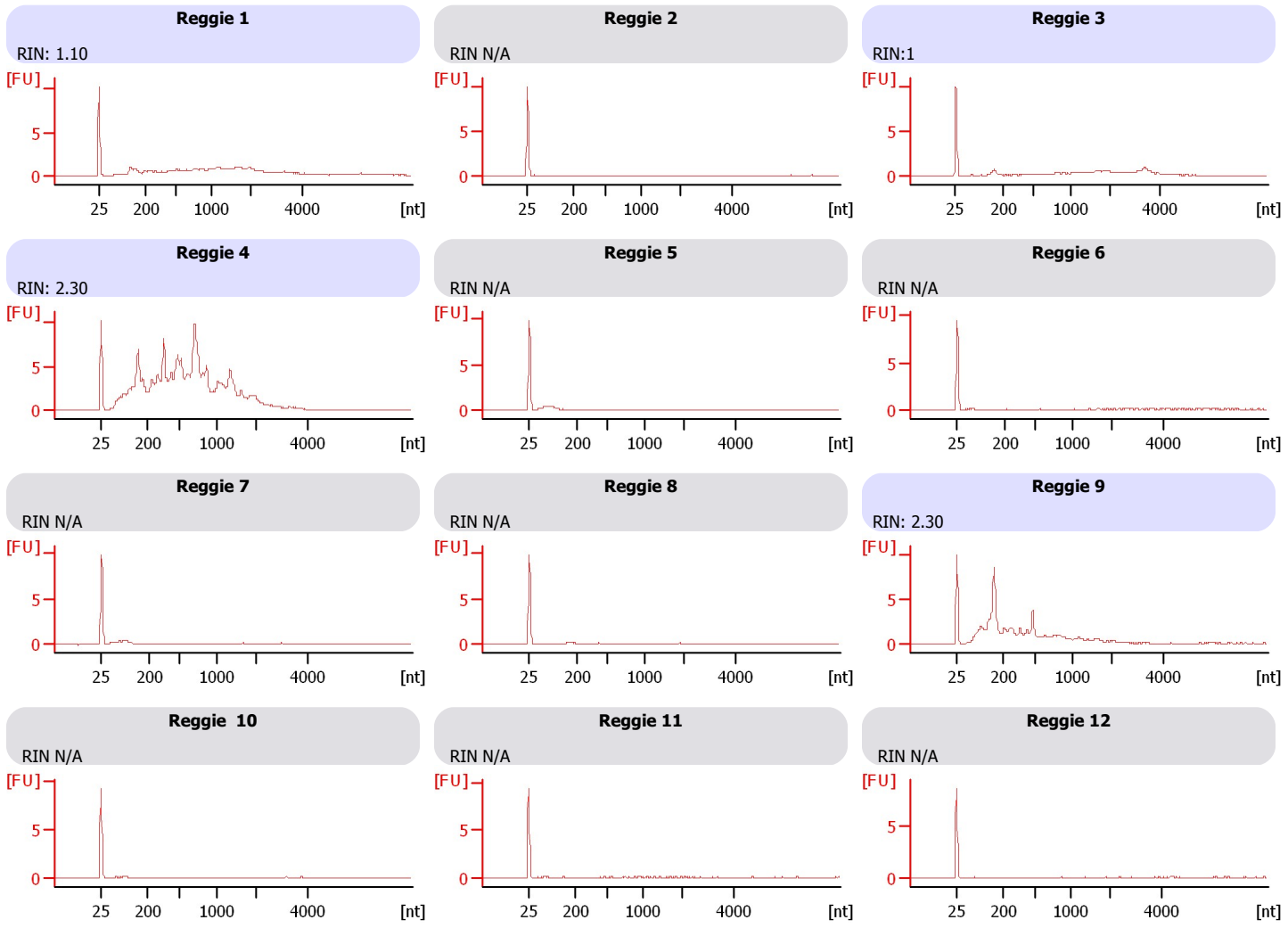
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

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\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
 Modified: 7/14/2014 10:53:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Reggie 1		✓	RIN: 1.10	
Reggie 2		✓	RIN N/A	
Reggie 3		✓	RIN:1	
Reggie 4		✓	RIN: 2.30	
Reggie 5		✓	RIN N/A	
Reggie 6		✓	RIN N/A	
Reggie 7		✓	RIN N/A	
Reggie 8		✓	RIN N/A	
Reggie 9		✓	RIN: 2.30	
Reggie 10		✓	RIN N/A	
Reggie 11		✓	RIN N/A	
Reggie 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 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/ 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

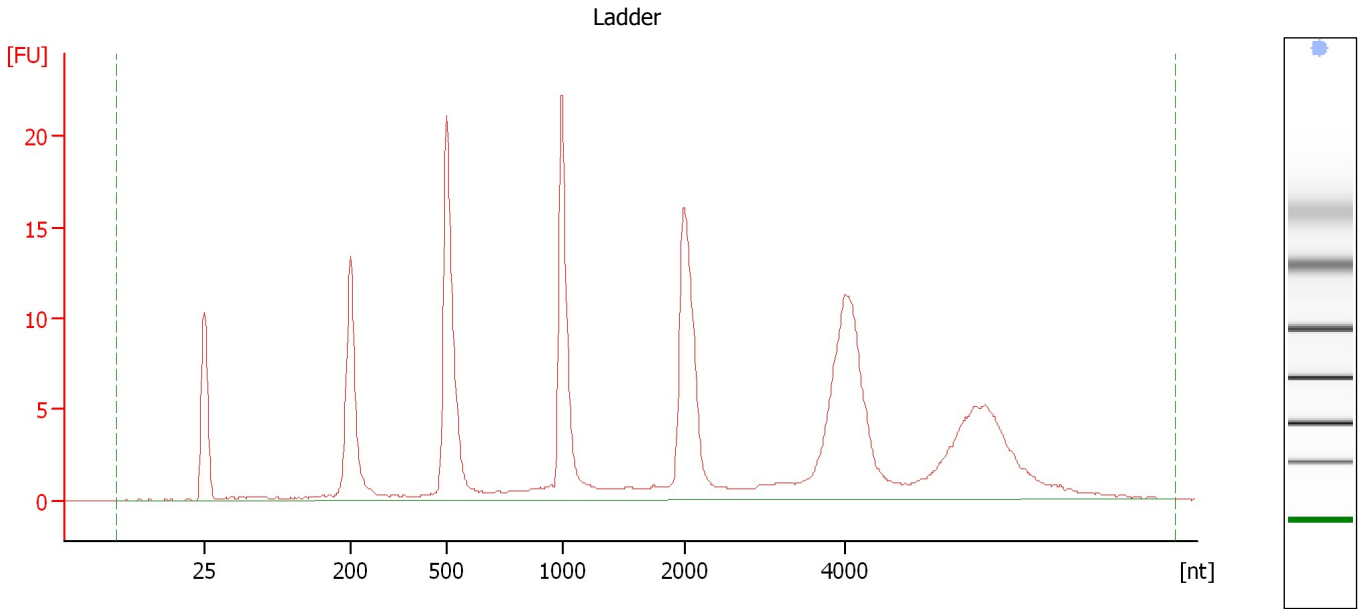
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary



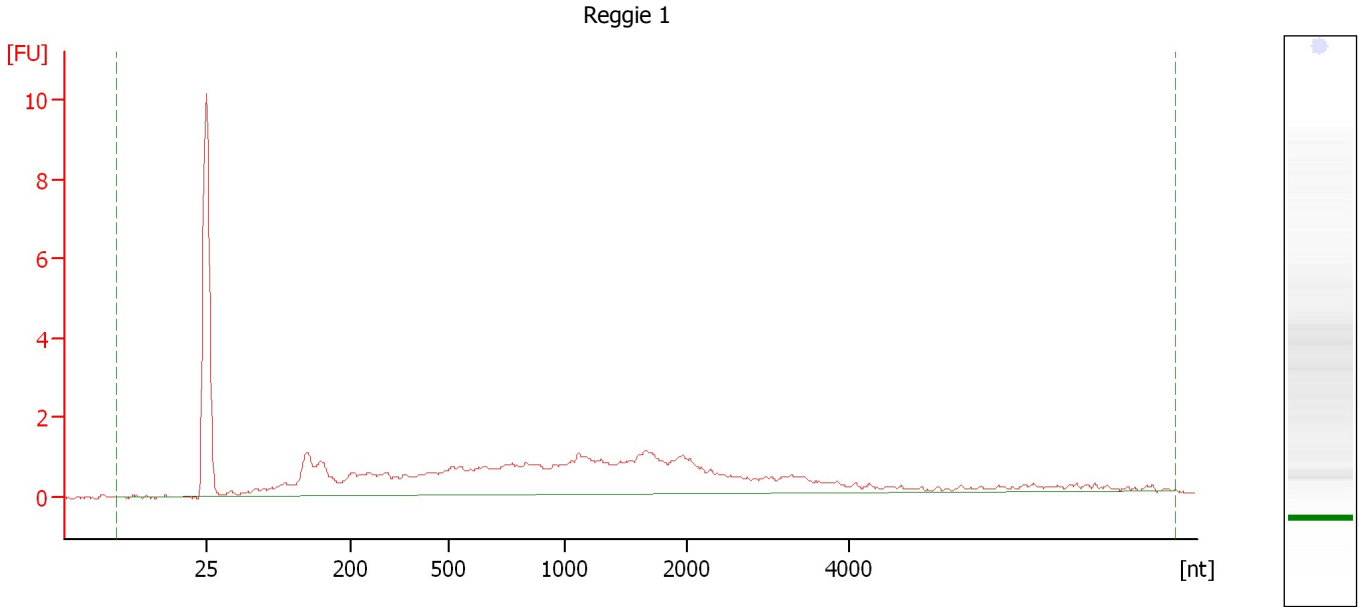
Overall Results for Ladder

RNA Area:	199.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Reggie 1

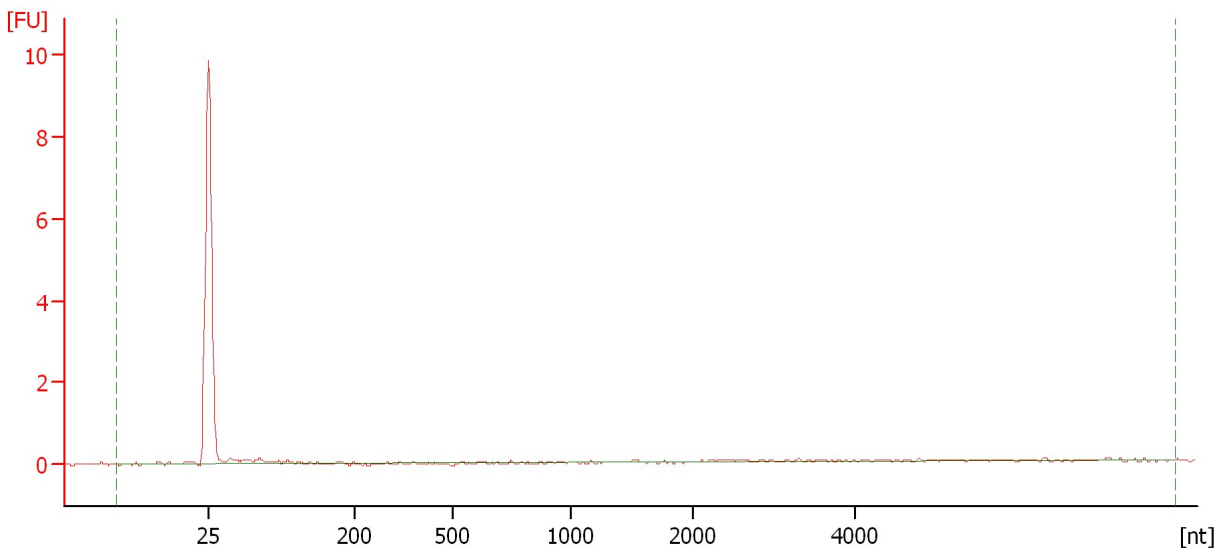
RNA Area:	42.9	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 2



Overall Results for sample 2 : Reggie 2

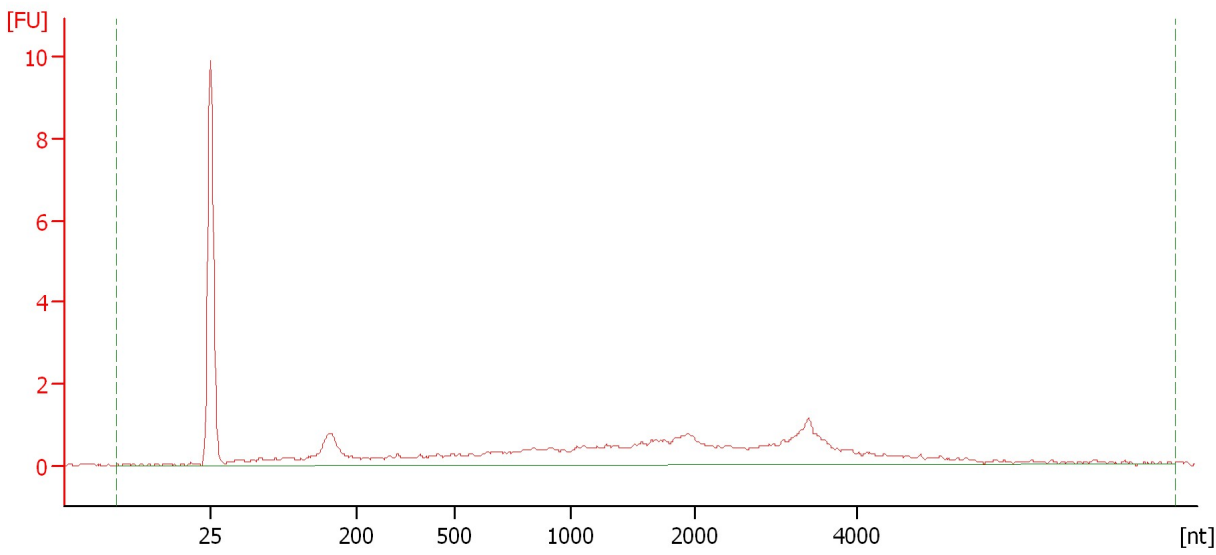
RNA Area:	2.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 3



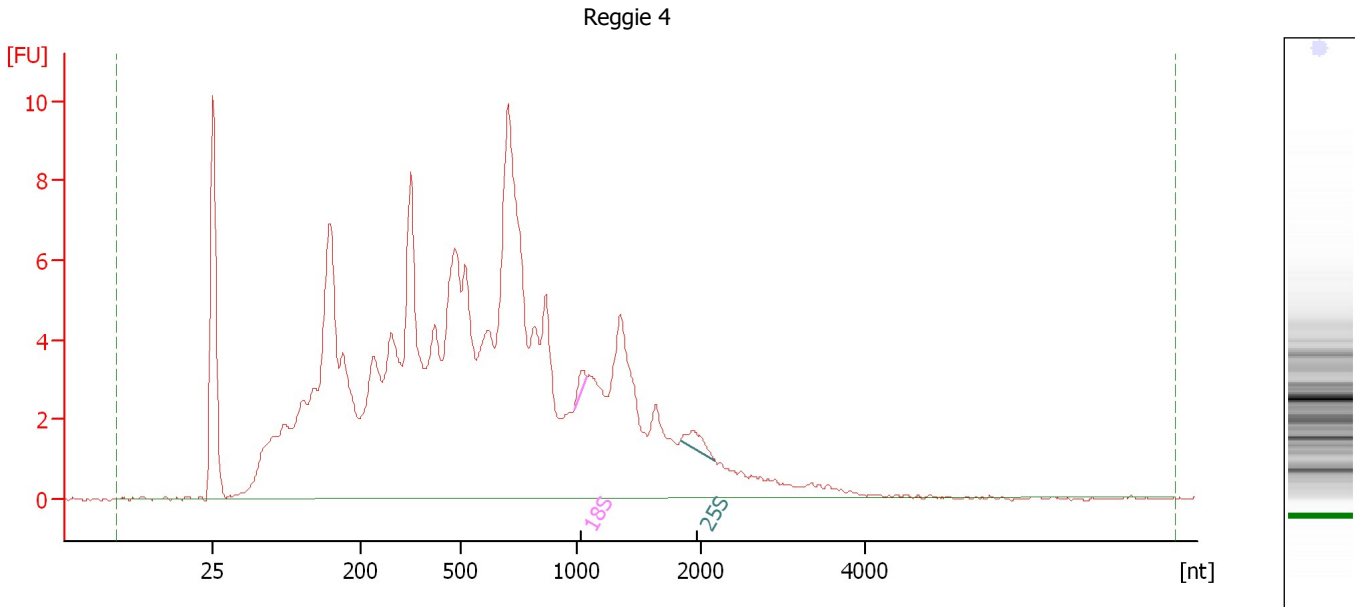
Overall Results for sample 3 : Reggie 3

RNA Area:	28.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Reggie 4

RNA Area: 206.3 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 155 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.6 Result Flagging Label: RIN: 2.30

Fragment table for sample 4 : Reggie 4

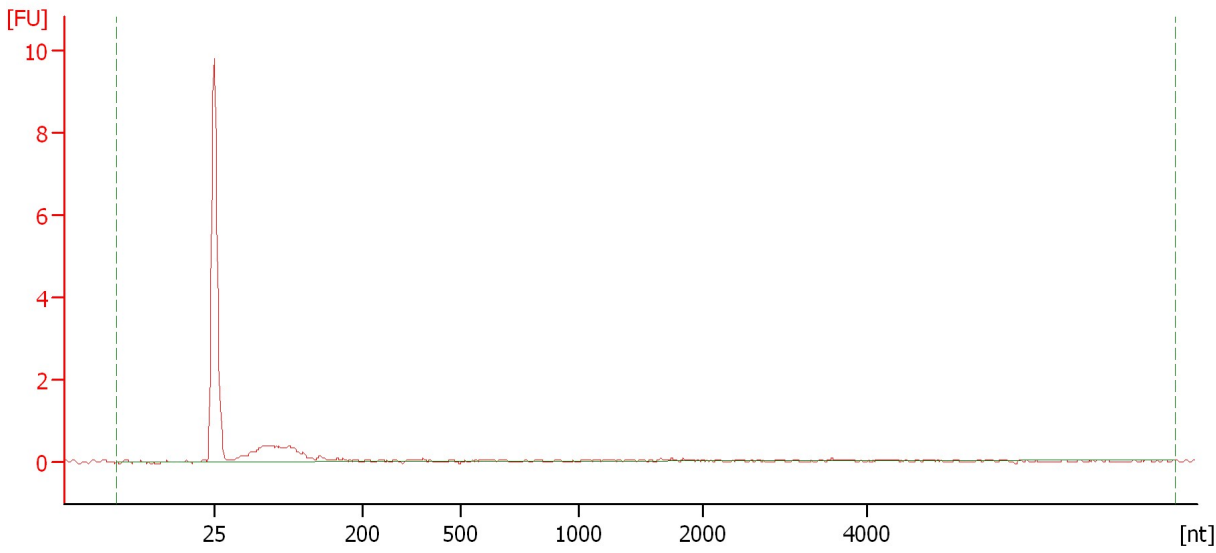
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	987	1,071	0.4	0.2
25S	1,830	2,174	1.0	0.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 5



Overall Results for sample 5 : Reggie 5

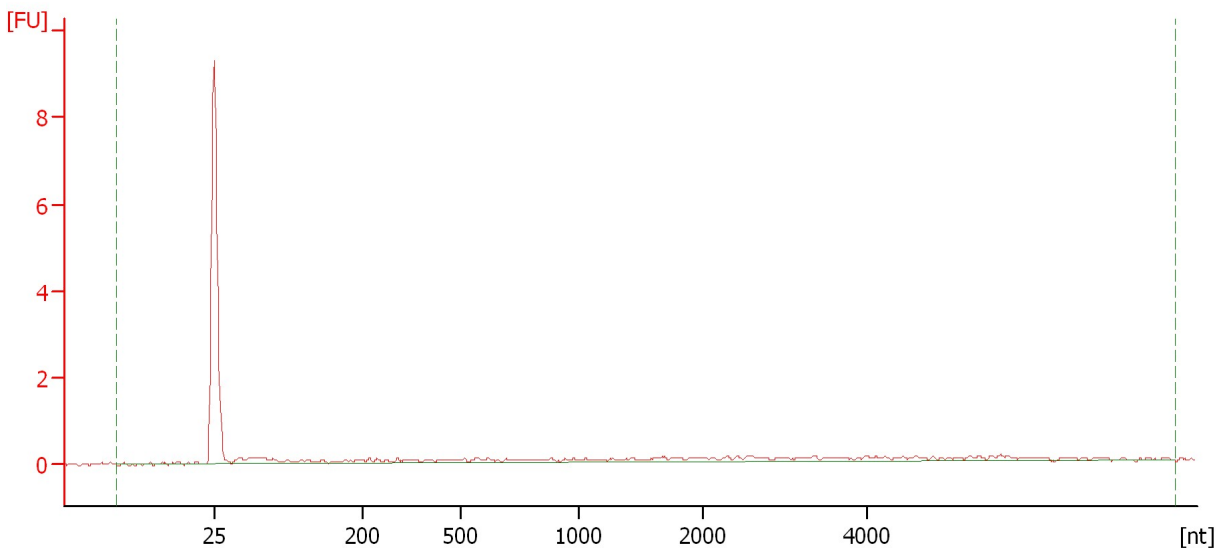
RNA Area:	6.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 6



Overall Results for sample 6 : Reggie 6

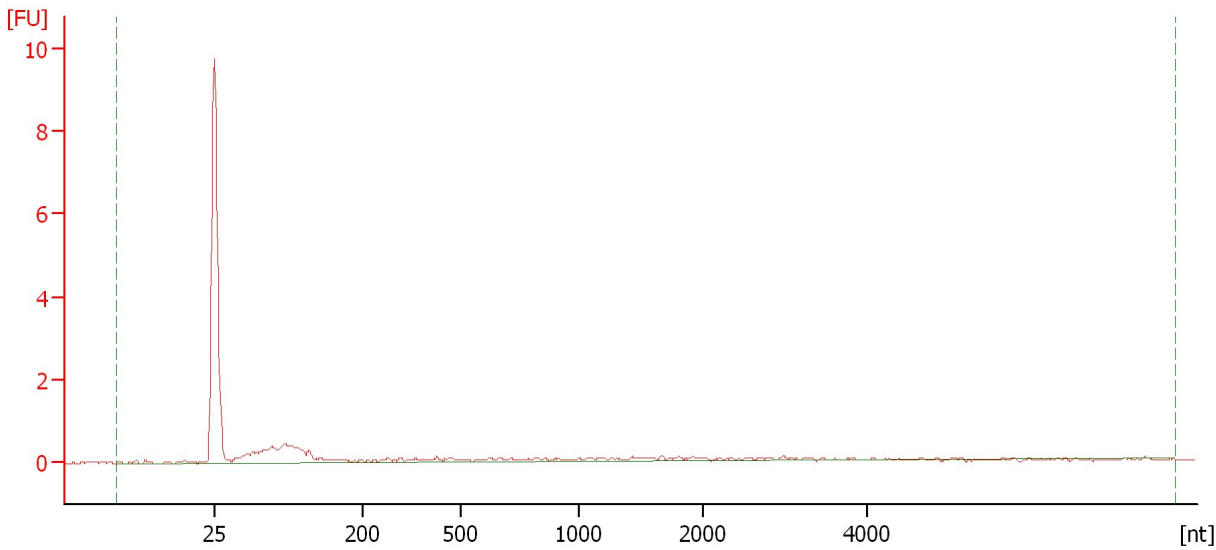
RNA Area:	7.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 7



Overall Results for sample 7 : Reggie 7

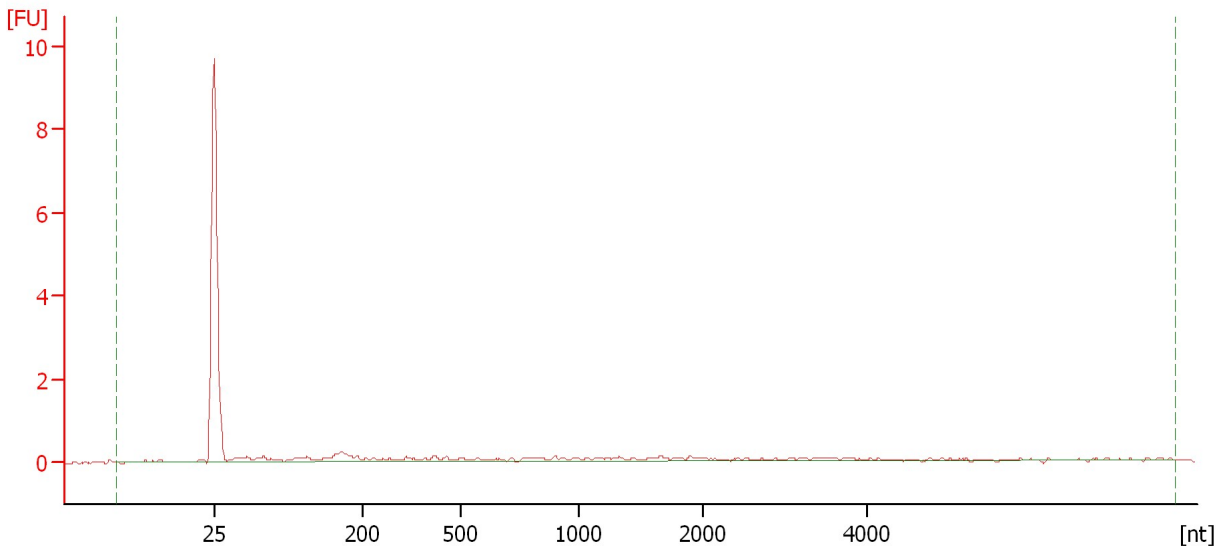
RNA Area:	8.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 8



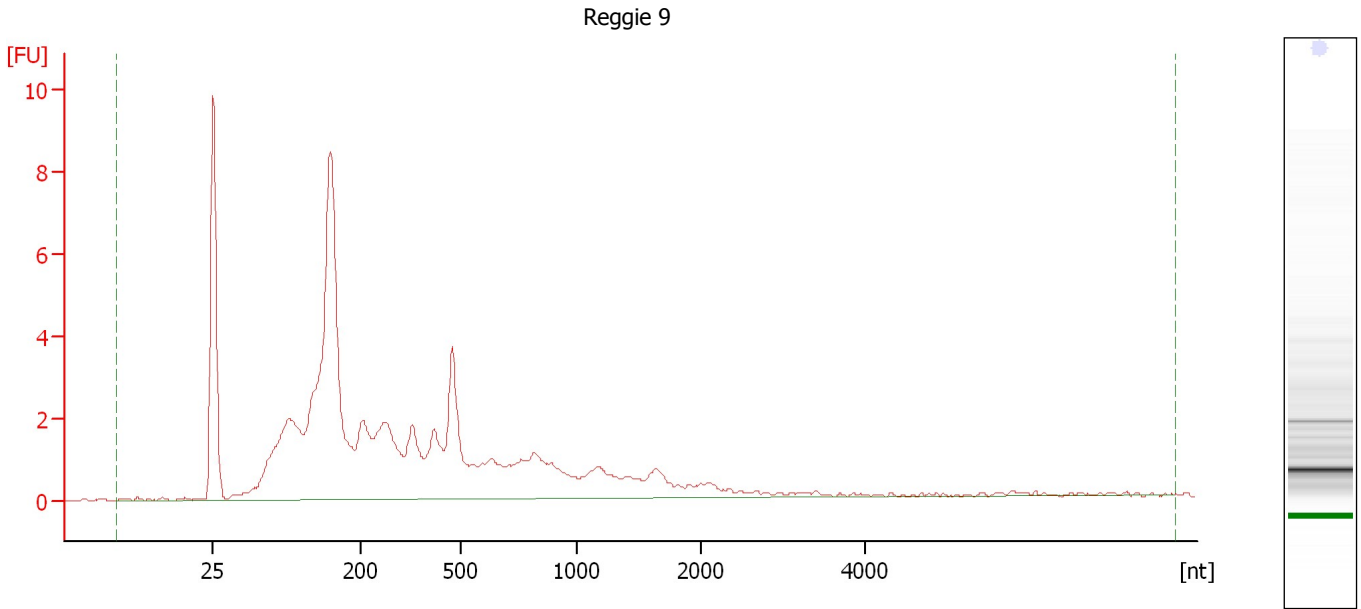
Overall Results for sample 8 : Reggie 8

RNA Area:	5.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 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\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Reggie 9

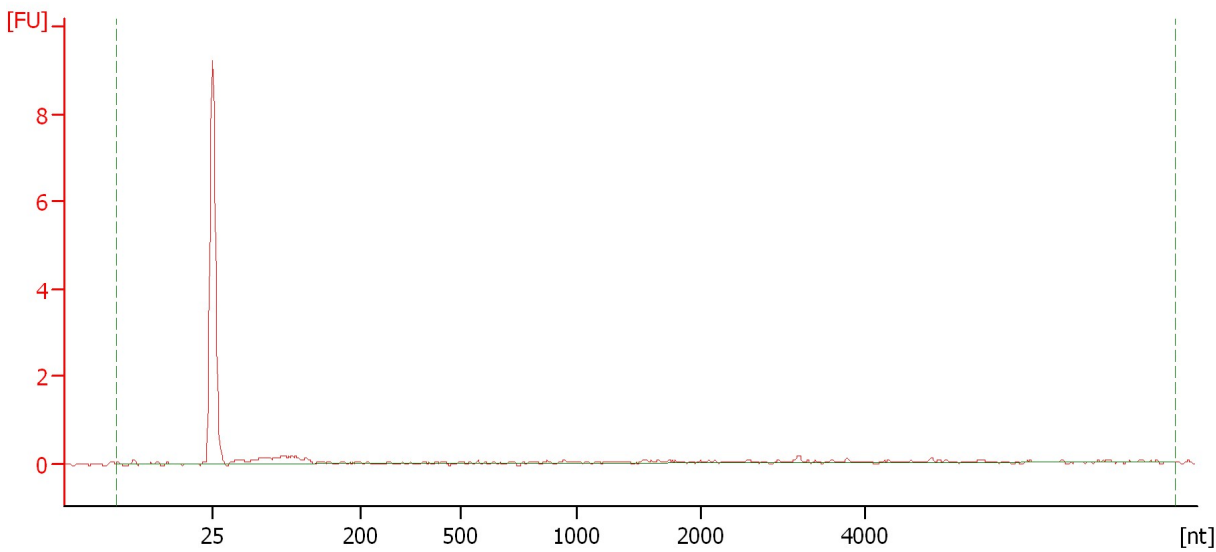
RNA Area:	83.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	62 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 10



Overall Results for sample 10 : Reggie 10

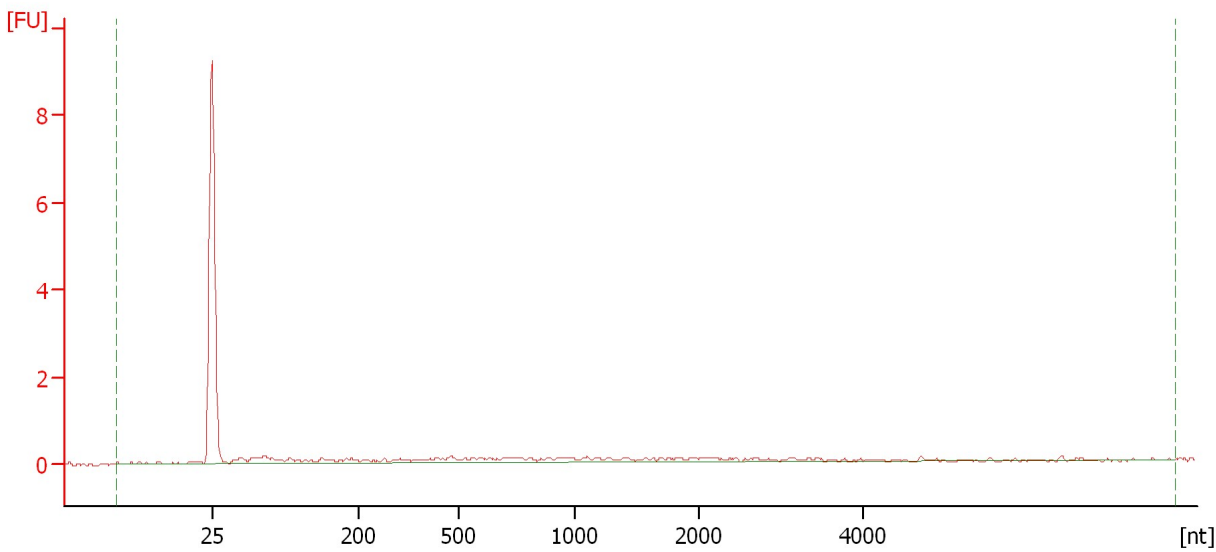
RNA Area:	2.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 11



Overall Results for sample 11 : Reggie 11

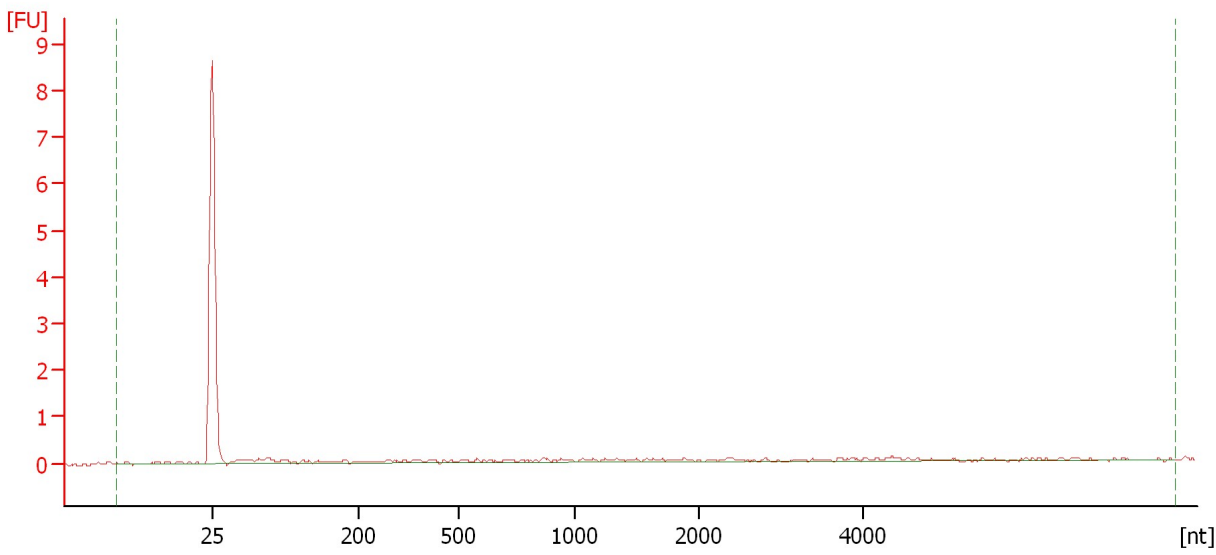
RNA Area:	5.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Electropherogram Summary Continued ...

Reggie 12



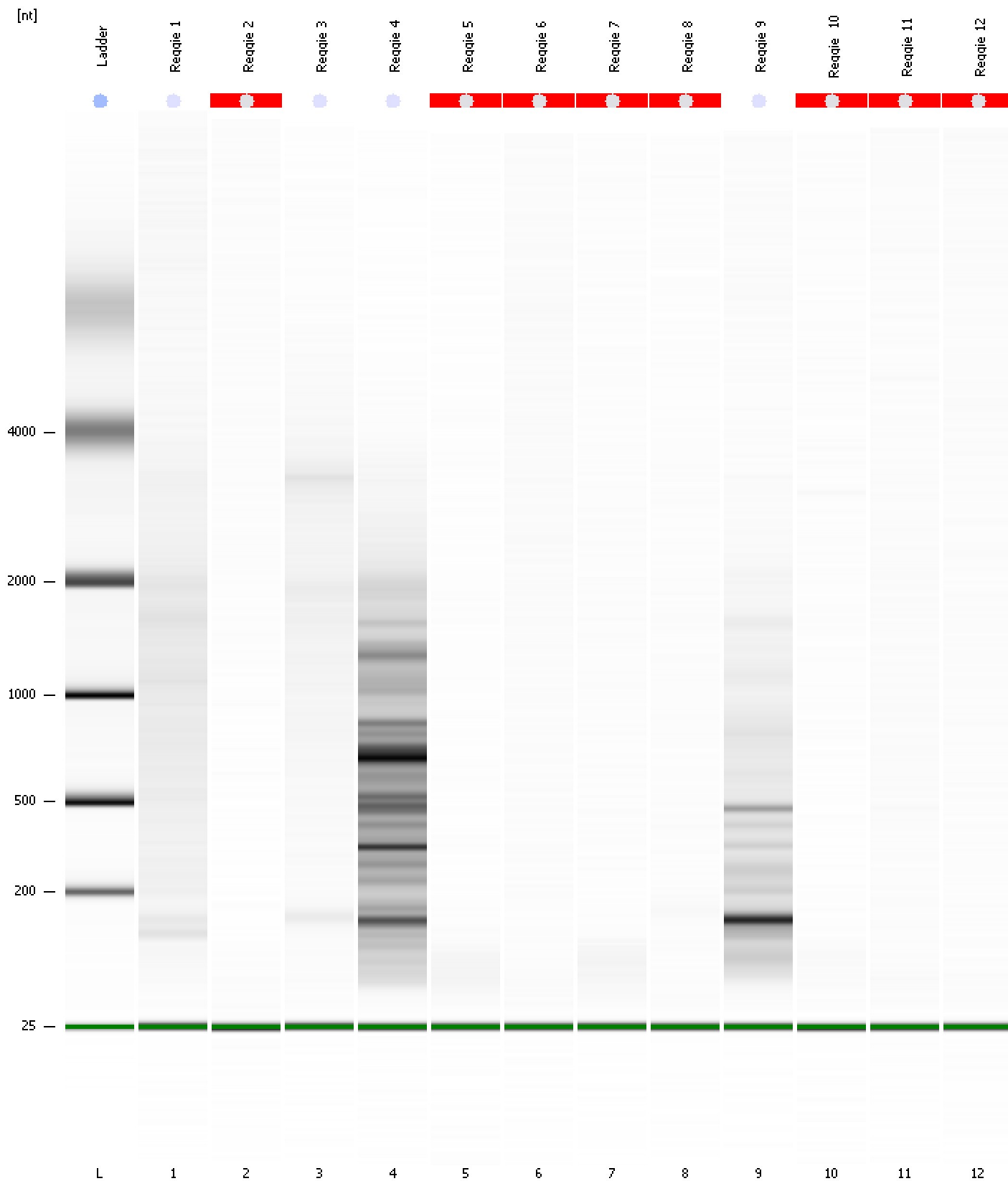
Overall Results for sample 12 : Reggie 12

RNA Area:	3.0	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\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
Modified: 7/14/2014 10:53:26 AM

Gel Image



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad

Created: 7/14/2014 10:29:36 AM
 Modified: 7/14/2014 10:53:26 AM

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		7/14/2014 10:53:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-14\2014-07-14_002.xad)		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/14/2014 10:29:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1