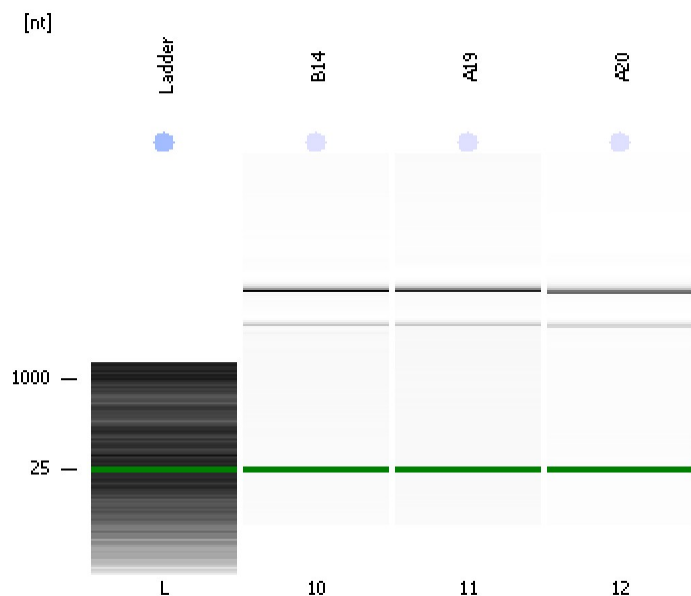


Assay Class: Plant RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
 Modified: 6/24/2013 10:13:55 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)

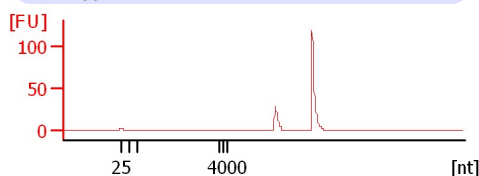
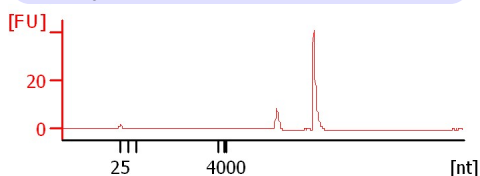
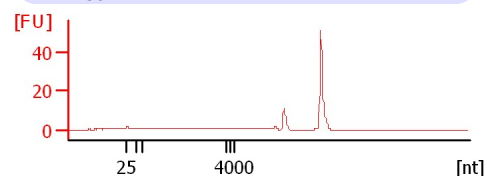
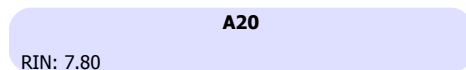
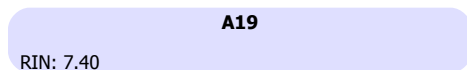
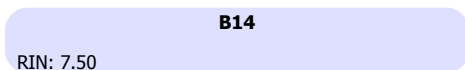
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
Modified: 6/24/2013 10:13:55 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
B14		✓	RIN: 7.50	
A19		✓	RIN: 7.40	
A20		✓	RIN: 7.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
Modified: 6/24/2013 10:13:55 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

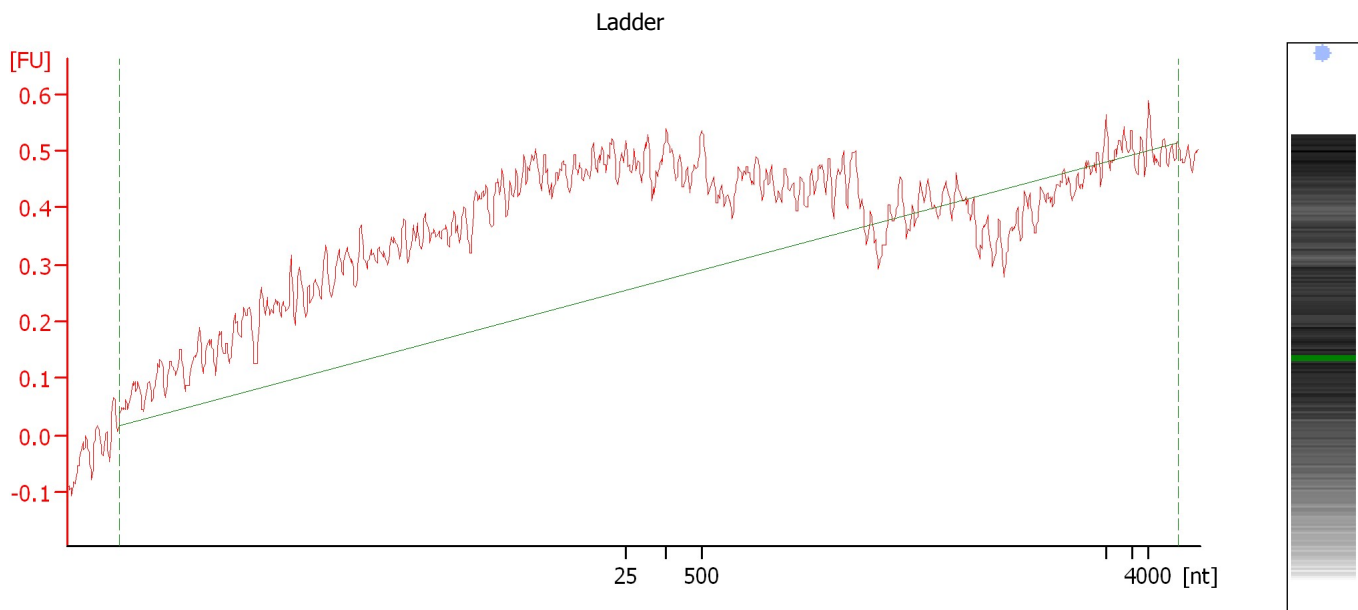
### Ladder

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

Assay Class: Plant RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
Modified: 6/24/2013 10:13:55 AM

### Electropherogram Summary



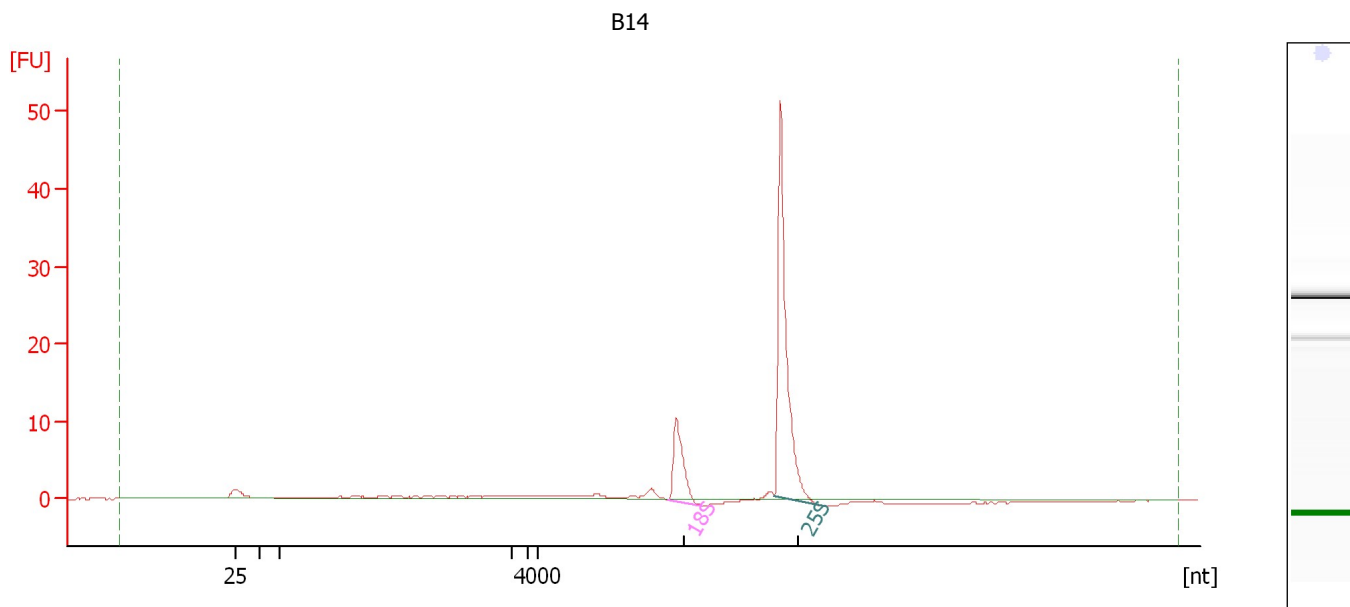
### Overall Results for Ladder

RNA Area:	15.0	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
 Modified: 6/24/2013 10:13:55 AM

### Electropherogram Summary Continued ...



#### Overall Results for sample 10 : B14

RNA Area:	76.4	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	762 ng/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]:	3.8	Result Flagging Label:	RIN: 7.50

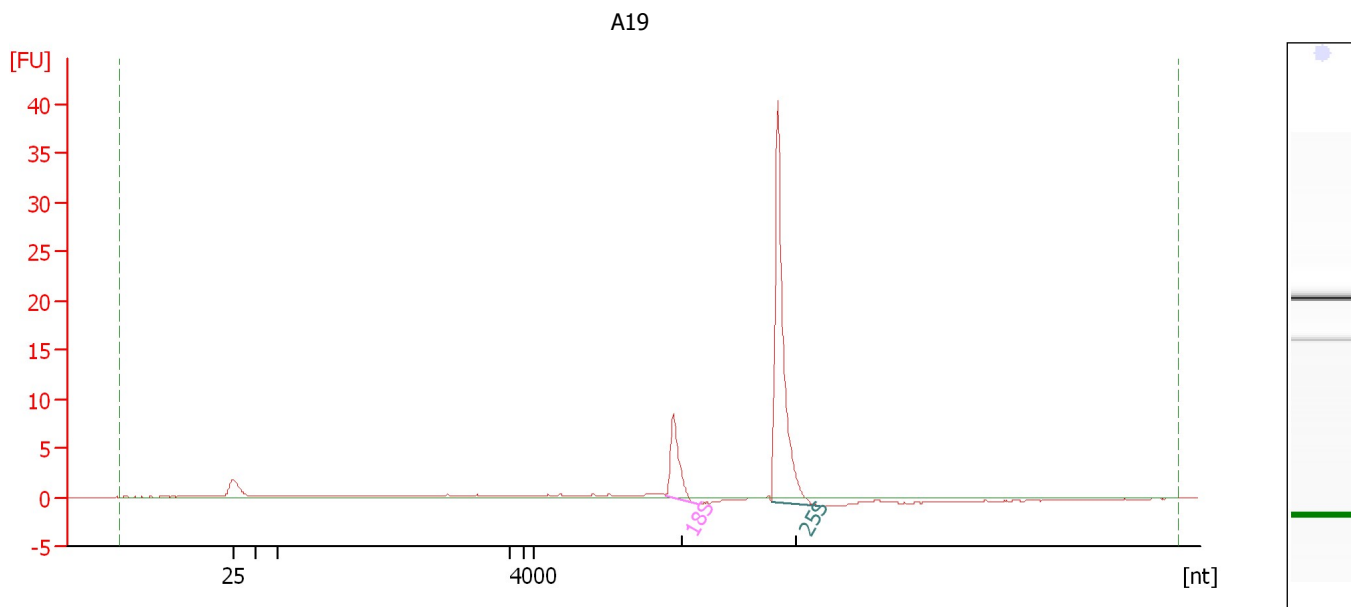
#### Fragment table for sample 10 : B14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,479	37,411	12.0	15.7
25S	51,924	61,888	45.0	58.8

Assay Class: Plant RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
 Modified: 6/24/2013 10:13:55 AM

### Electropherogram Summary Continued ...



#### Overall Results for sample 11 : A19

RNA Area:	54.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	543 ng/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]:	4.3	Result Flagging Label:	RIN: 7.40

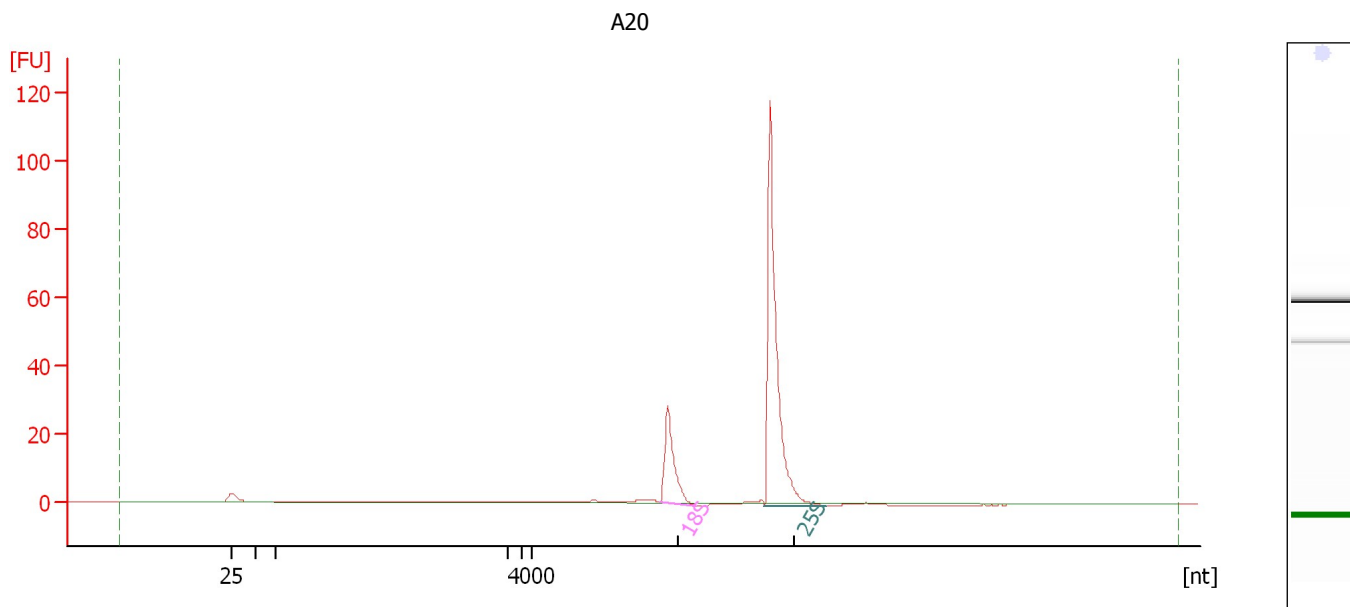
#### Fragment table for sample 11 : A19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,615	37,140	8.6	15.7
25S	52,364	62,369	36.5	67.0

Assay Class: Plant RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
 Modified: 6/24/2013 10:13:55 AM

### Electropherogram Summary Continued ...



#### Overall Results for sample 12 : A20

RNA Area:	158.2	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,577 ng/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]:	3.5	Result Flagging Label:	RIN: 7.80

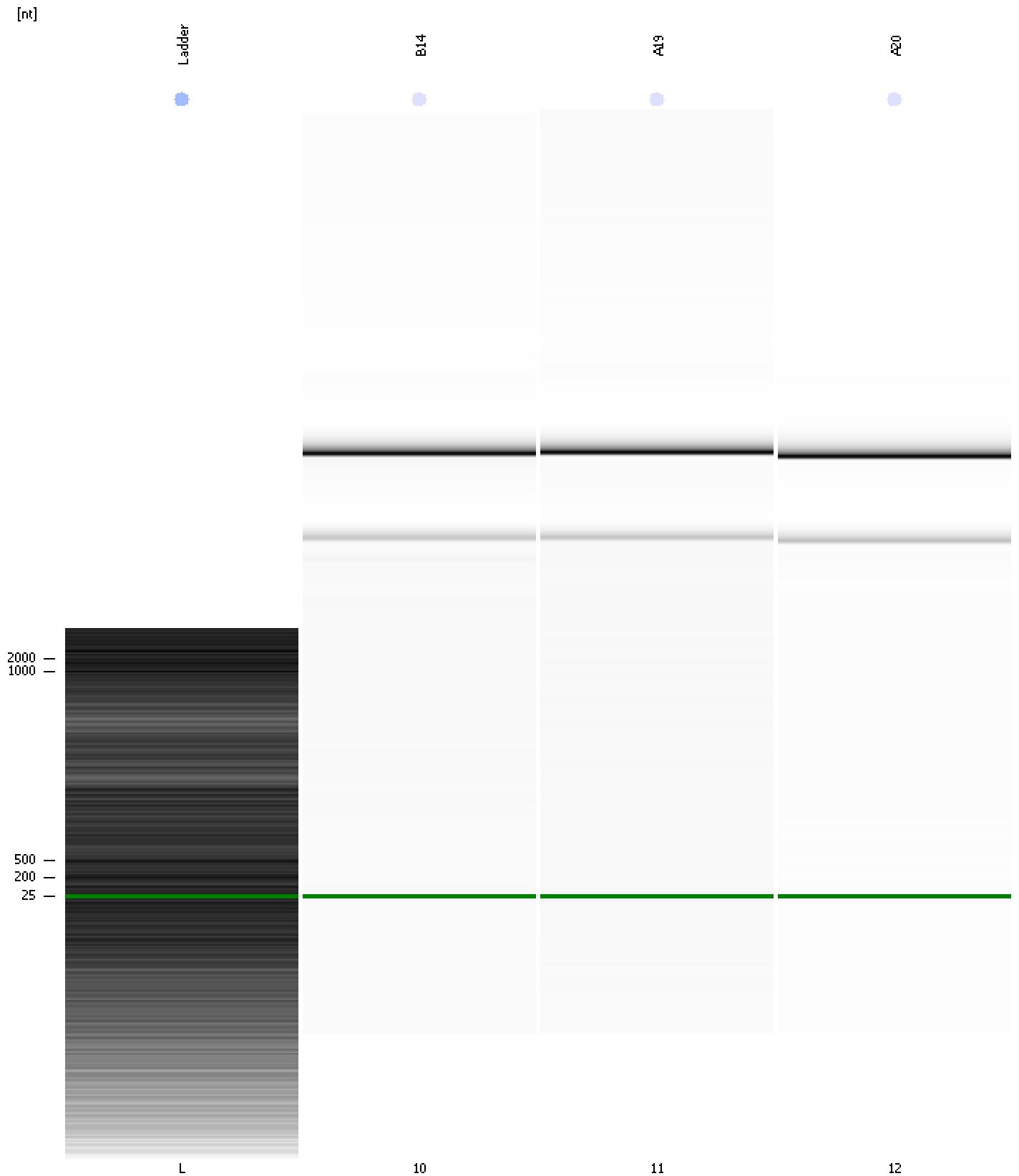
#### Fragment table for sample 12 : A20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,139	37,331	30.5	19.3
25S	51,278	63,700	107.2	67.8

Assay Class: Plant RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
Modified: 6/24/2013 10:13:55 AM

**Gel Image**



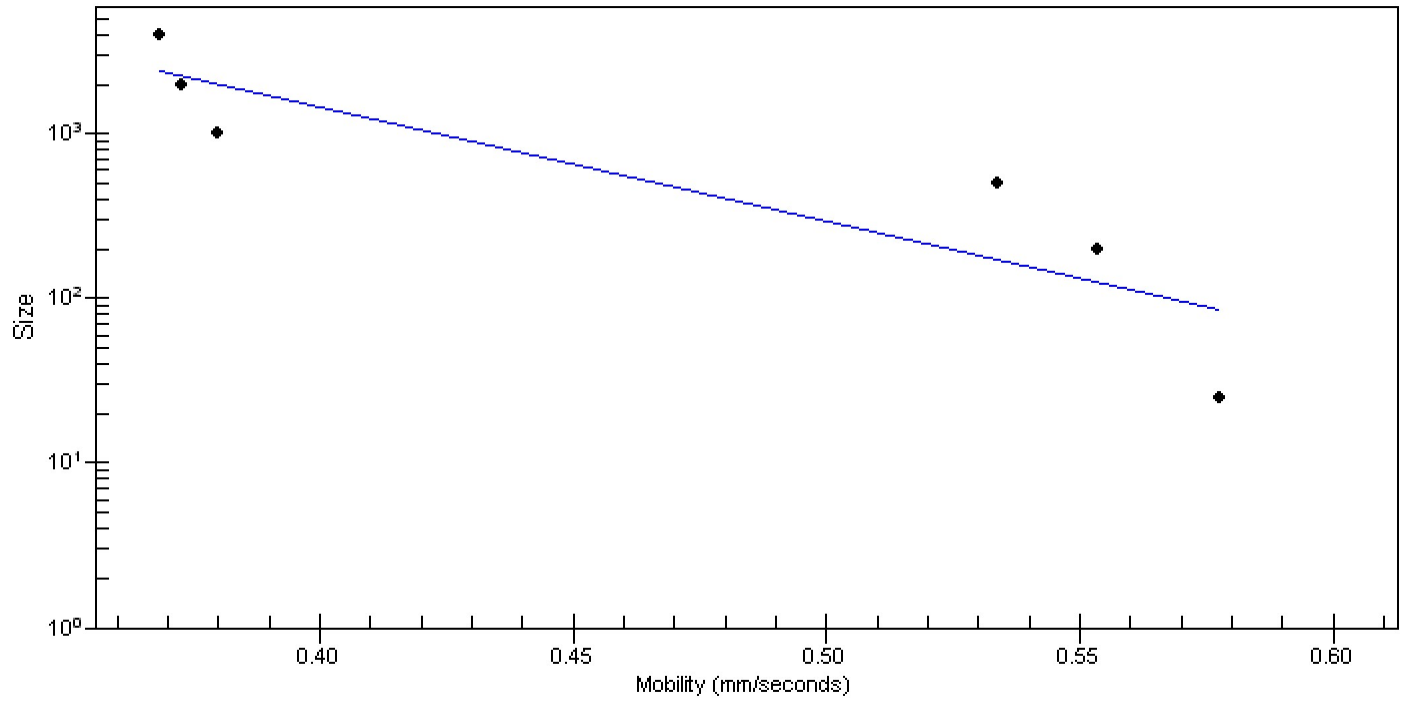


Assay Class: Plant RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
Modified: 6/24/2013 10:13:55 AM

**Curves**

**Standard Curve**



Assay Class: Plant RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2013-06-24\alan\_good.xad

Created: 6/24/2013 9:46:28 AM  
 Modified: 6/24/2013 10:13:55 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		6/24/2013 10:10:18 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-06-24\2013-06-24_001.xad)		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/24/2013 9:46:33 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1