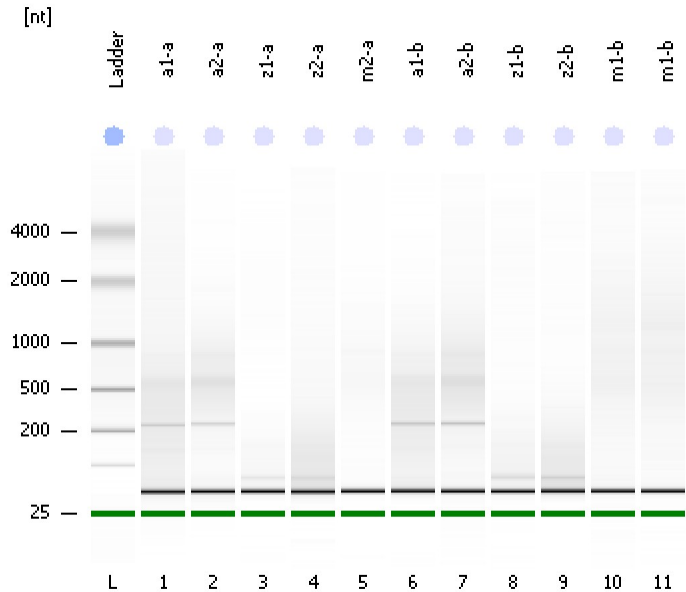


Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 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

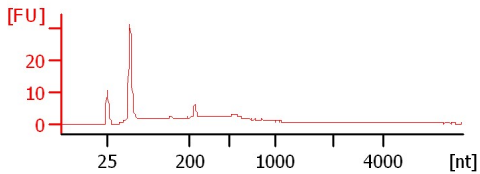
Assay Class: Plant RNA Pico  
Version: 1.3  
Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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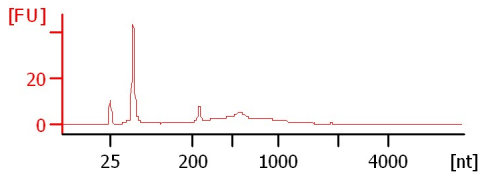
#### Chip Information:

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

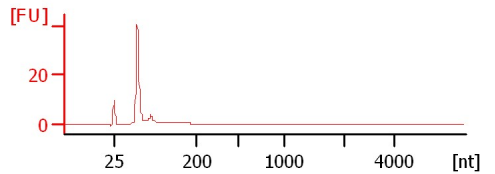
**a1-a**  
RIN:2



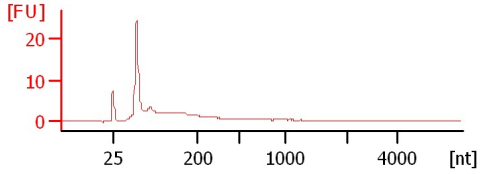
**a2-a**  
RIN:2



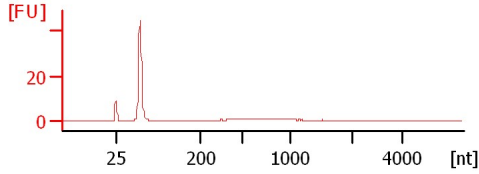
**z1-a**  
RIN: 2.40



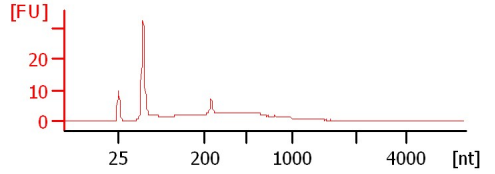
**z2-a**  
RIN: 2.20



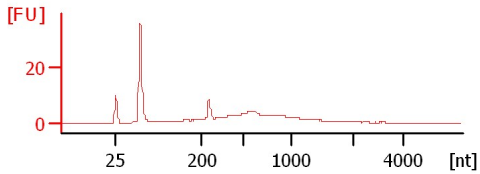
**m2-a**  
RIN: 2.30



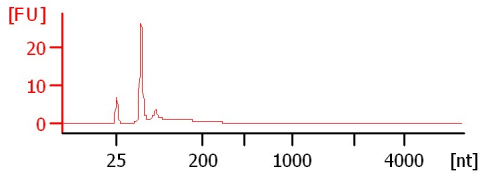
**a1-b**  
RIN:2



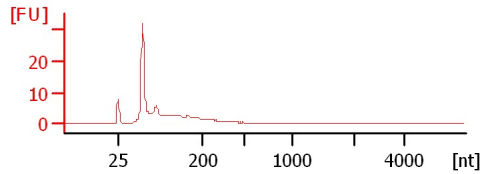
**a2-b**  
RIN:2



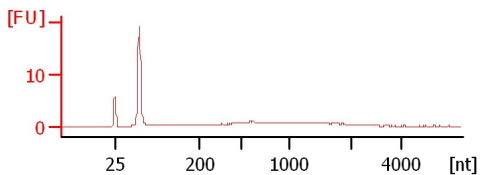
**z1-b**  
RIN: 2.30



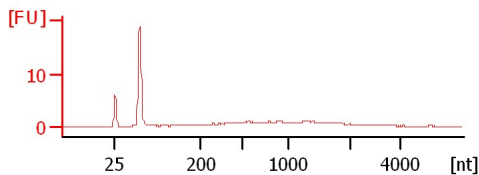
**z2-b**  
RIN: 2.20



**m1-b**  
RIN: 2.20



**m1-b**  
RIN: 2.20



Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

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

Sample Name	Sample Comment	Status	Result Label	Result Color
a1-a		✓	RIN:2	
a2-a		✓	RIN:2	
z1-a		✓	RIN: 2.40	
z2-a		✓	RIN: 2.20	
m2-a		✓	RIN: 2.30	
a1-b		✓	RIN:2	
a2-b		✓	RIN:2	
z1-b		✓	RIN: 2.30	
z2-b		✓	RIN: 2.20	
m1-b		✓	RIN: 2.20	
m1-b		✓	RIN: 2.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 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/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 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

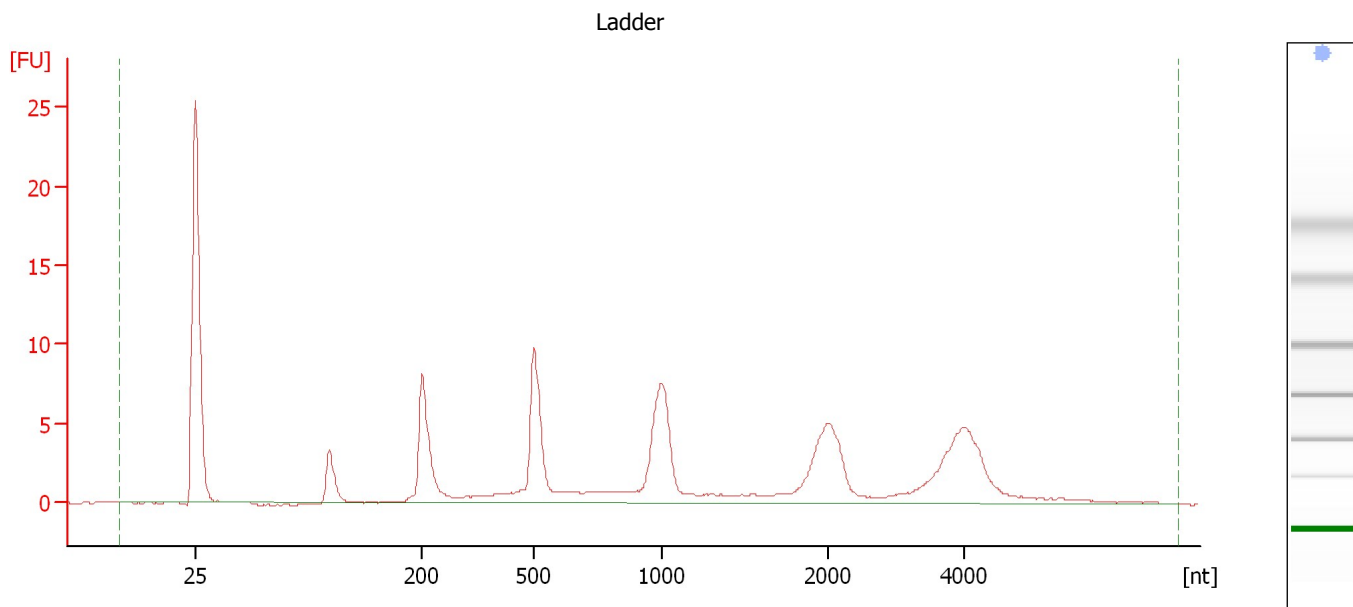
**Ladder**

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\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary**



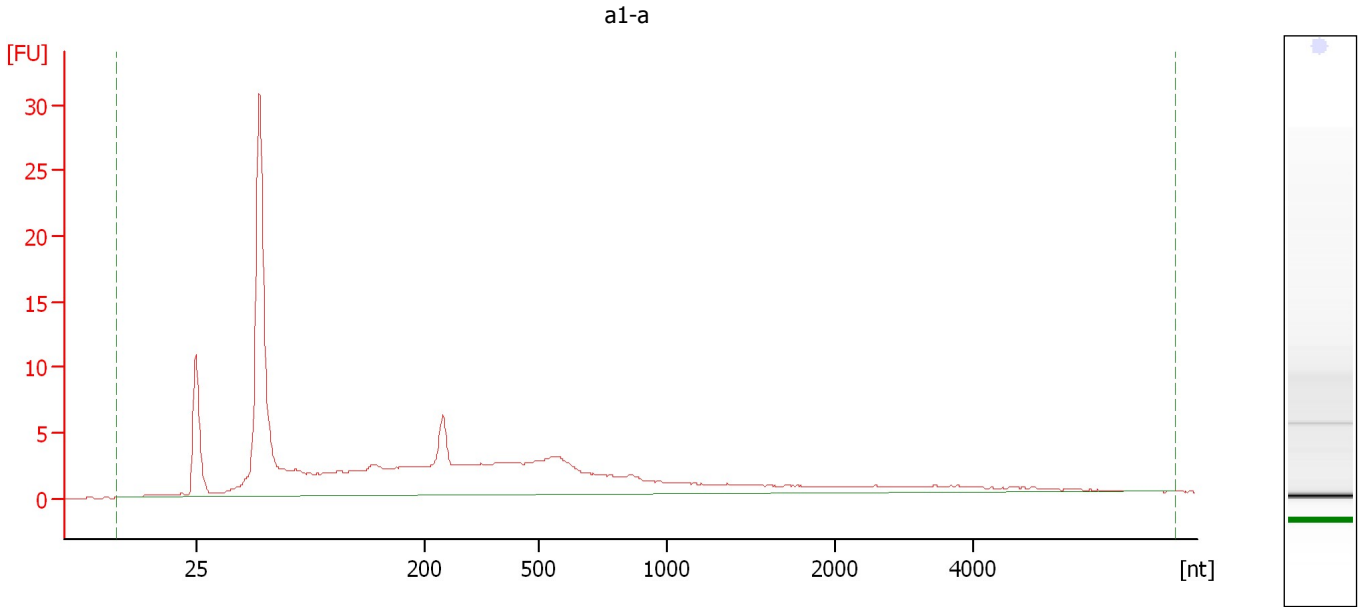
**Overall Results for Ladder**

RNA Area:	106.4	Result Flagging Color:	<span style="background-color: blue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



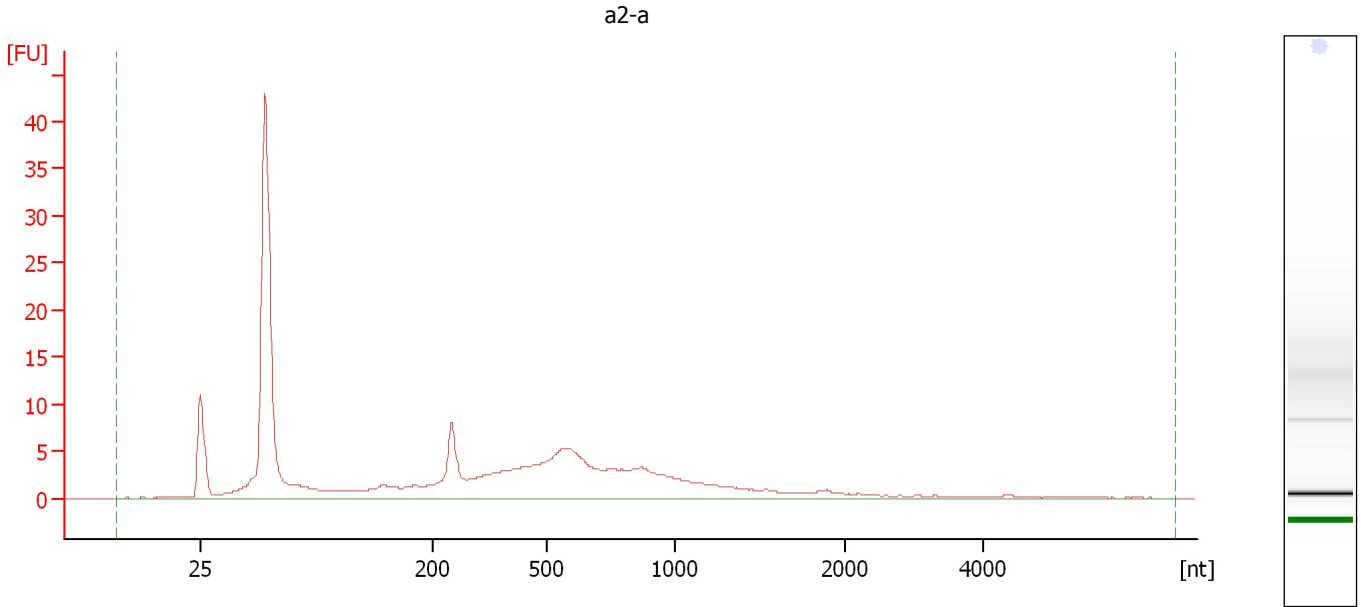
**Overall Results for sample 1 : a1-a**

RNA Area:	192.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	1,813 pg/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]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



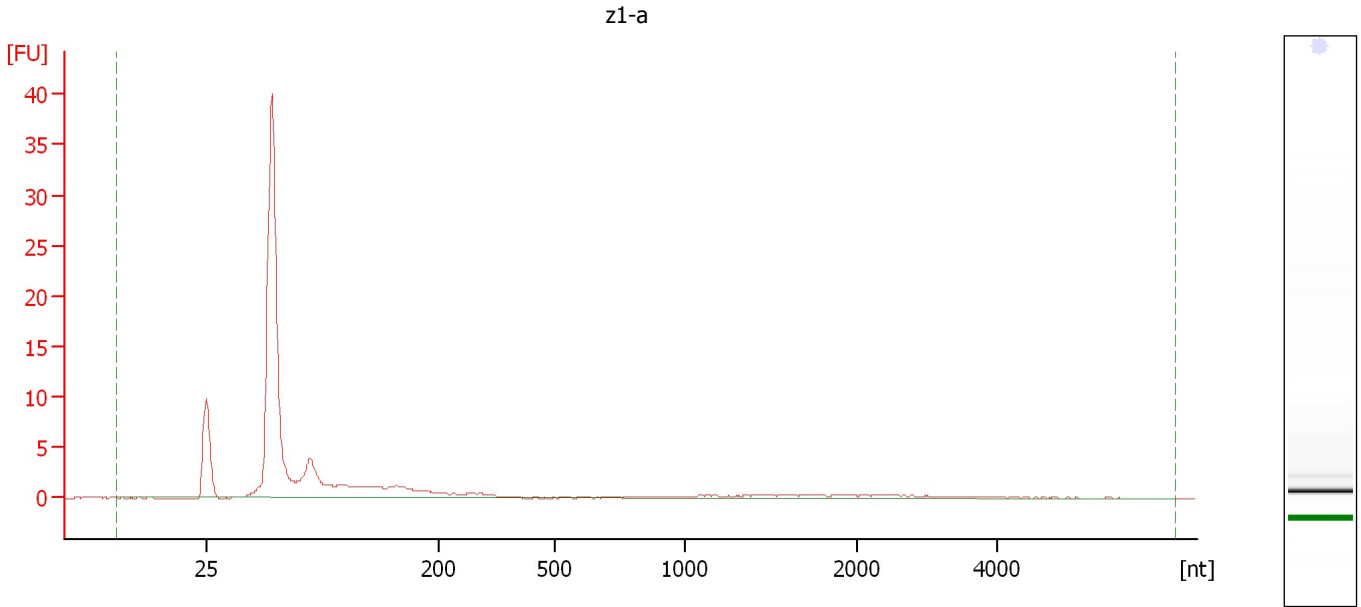
**Overall Results for sample 2 : a2-a**

RNA Area:	227.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	2,142 pg/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]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



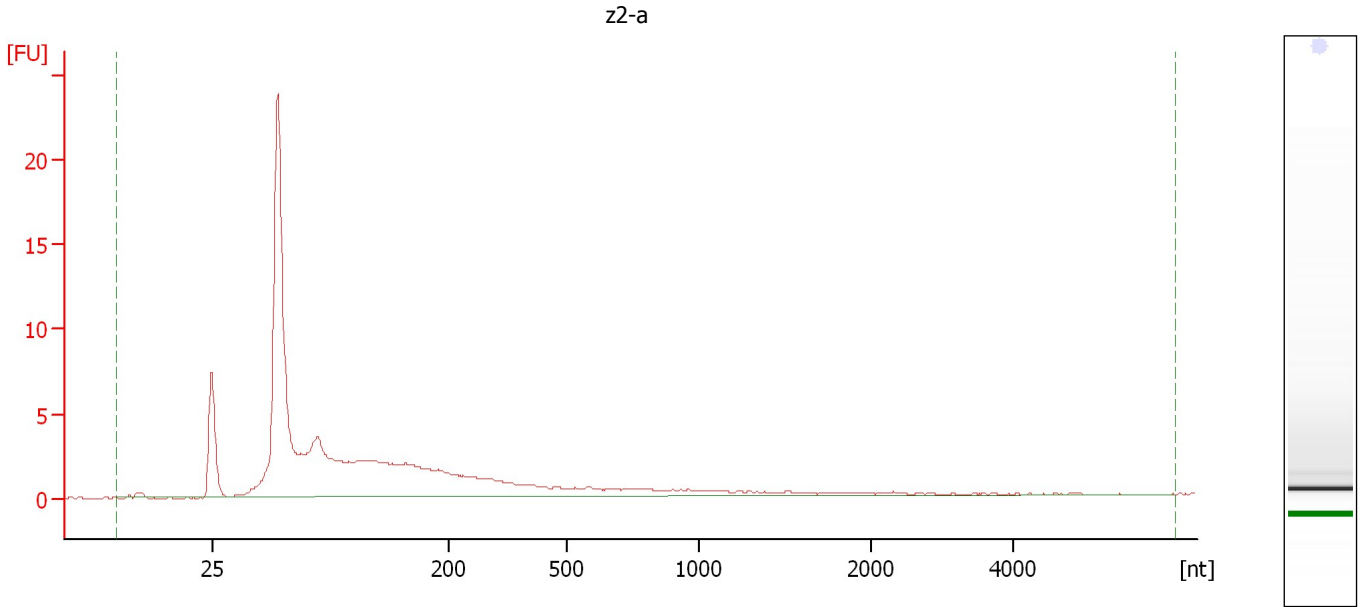
**Overall Results for sample 3 : z1-a**

RNA Area:	117.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,104 pg/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]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : z2-a**

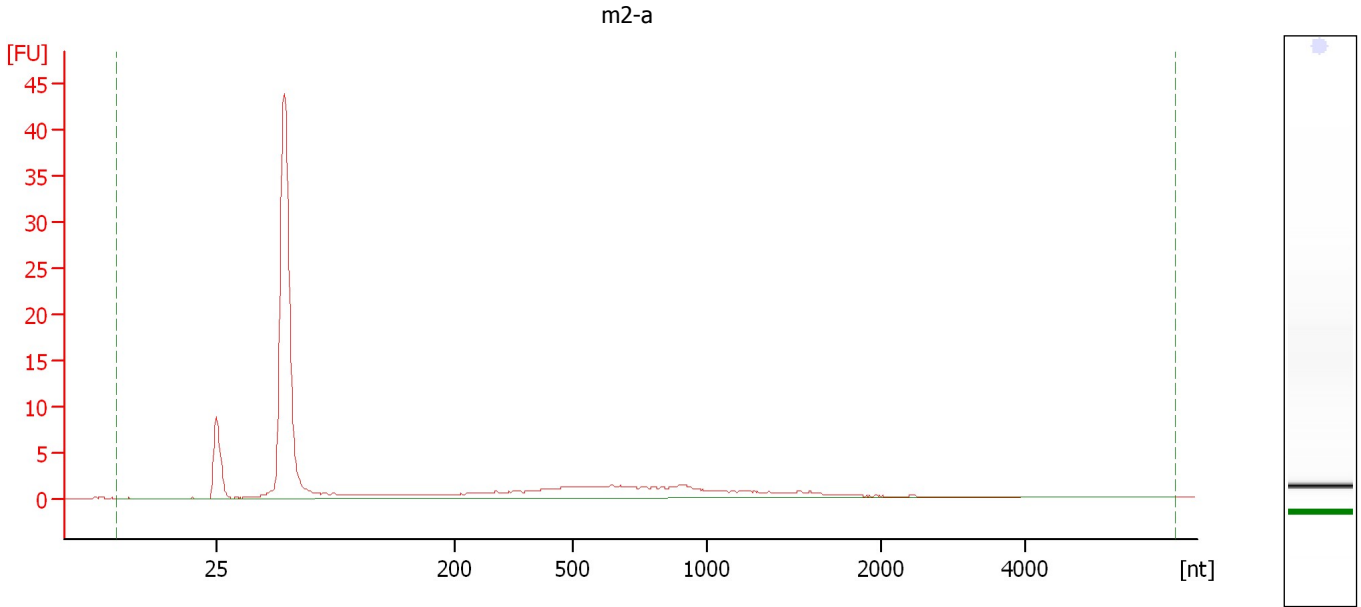
RNA Area:	121.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,139 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20



Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



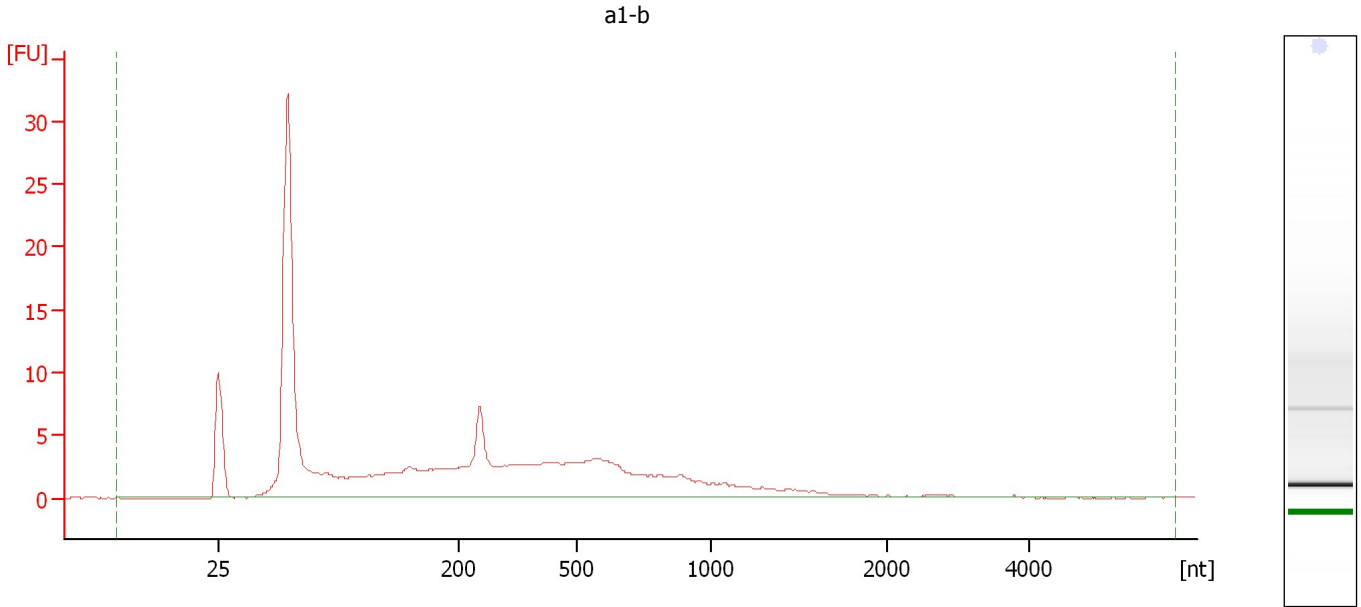
**Overall Results for sample 5 : m2-a**

RNA Area:	125.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,182 pg/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]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



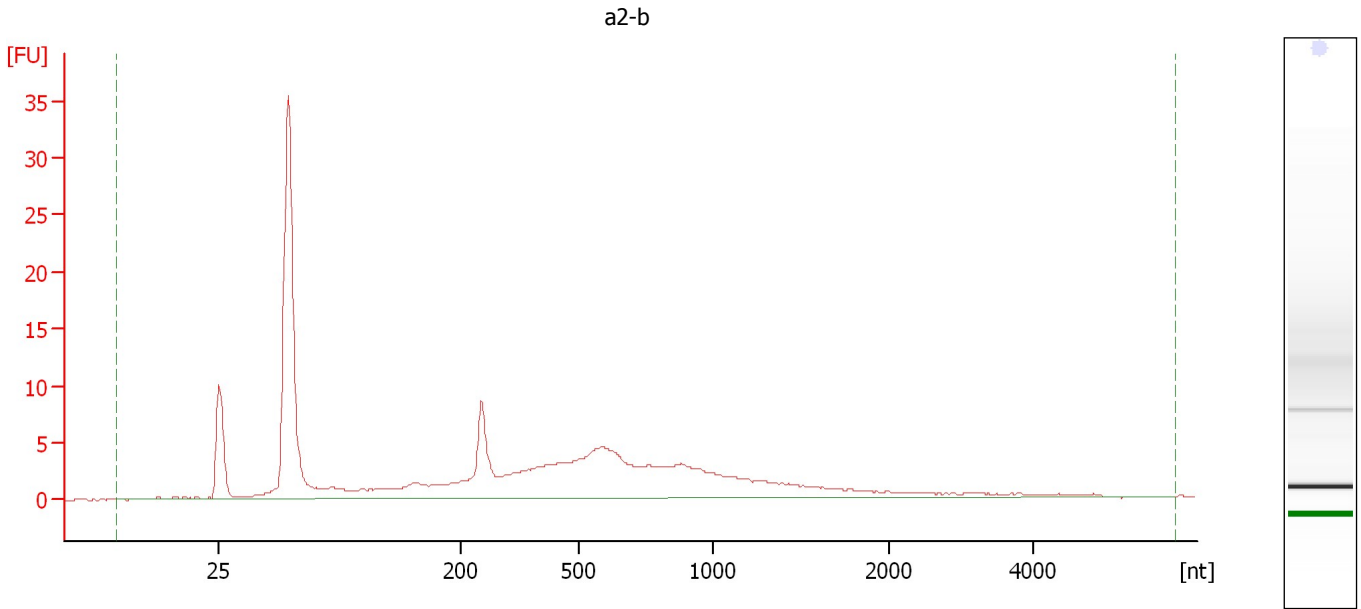
**Overall Results for sample 6 : a1-b**

RNA Area:	187.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	1,766 pg/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]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



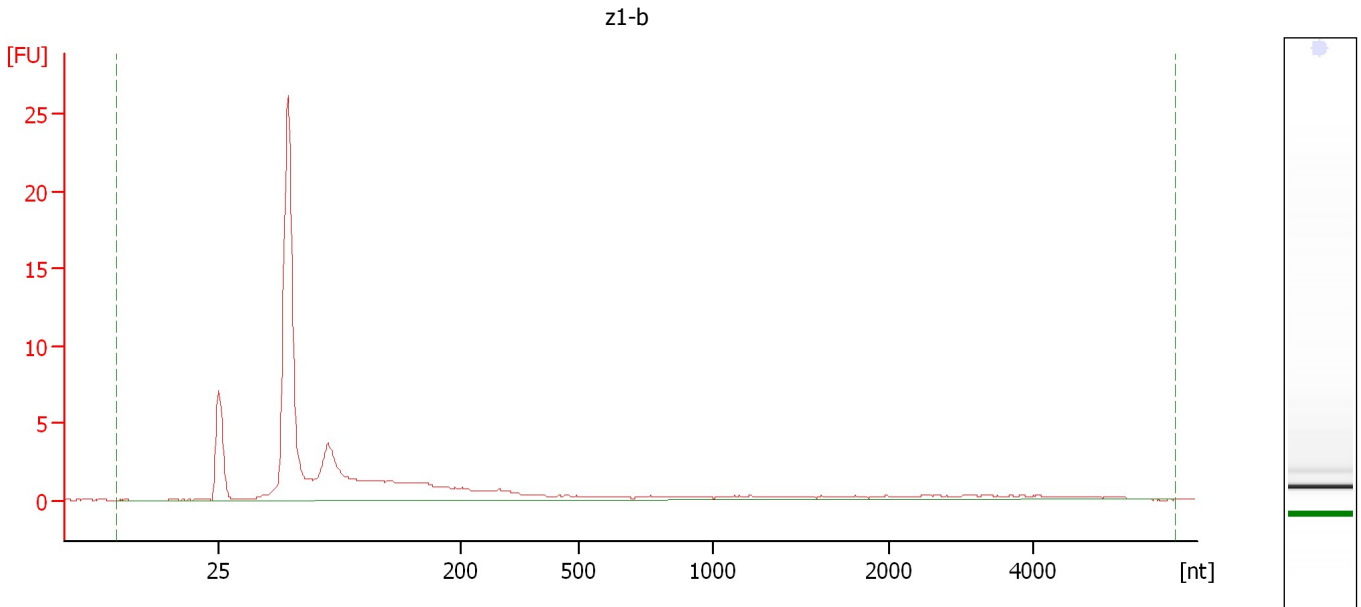
**Overall Results for sample 7 : a2-b**

RNA Area:	198.6	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	1,866 pg/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]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



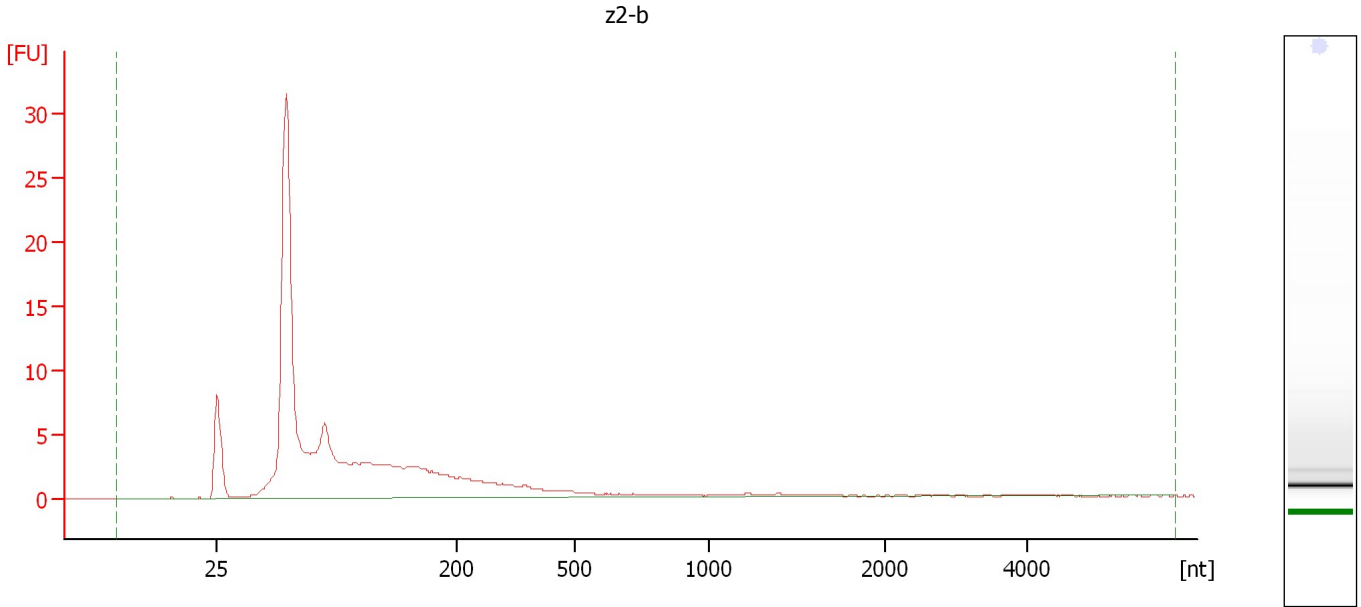
**Overall Results for sample 8 : z1-b**

RNA Area:	99.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	933 pg/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]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



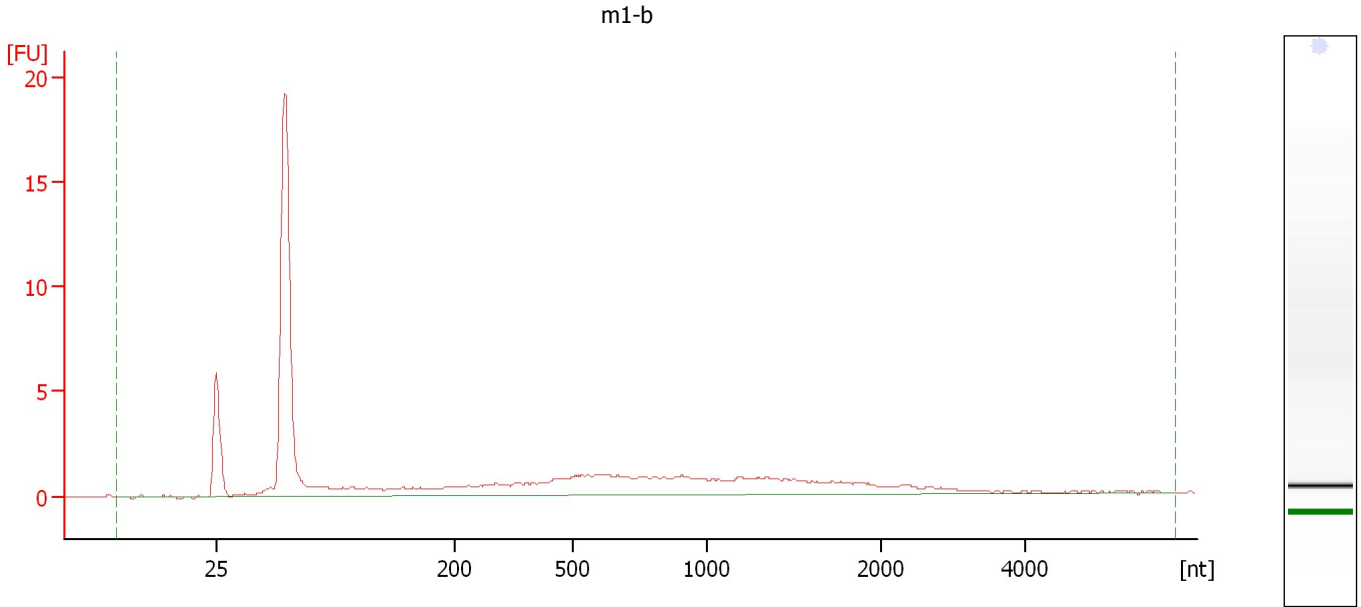
**Overall Results for sample 9 : z2-b**

RNA Area:	150.4	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,413 pg/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]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



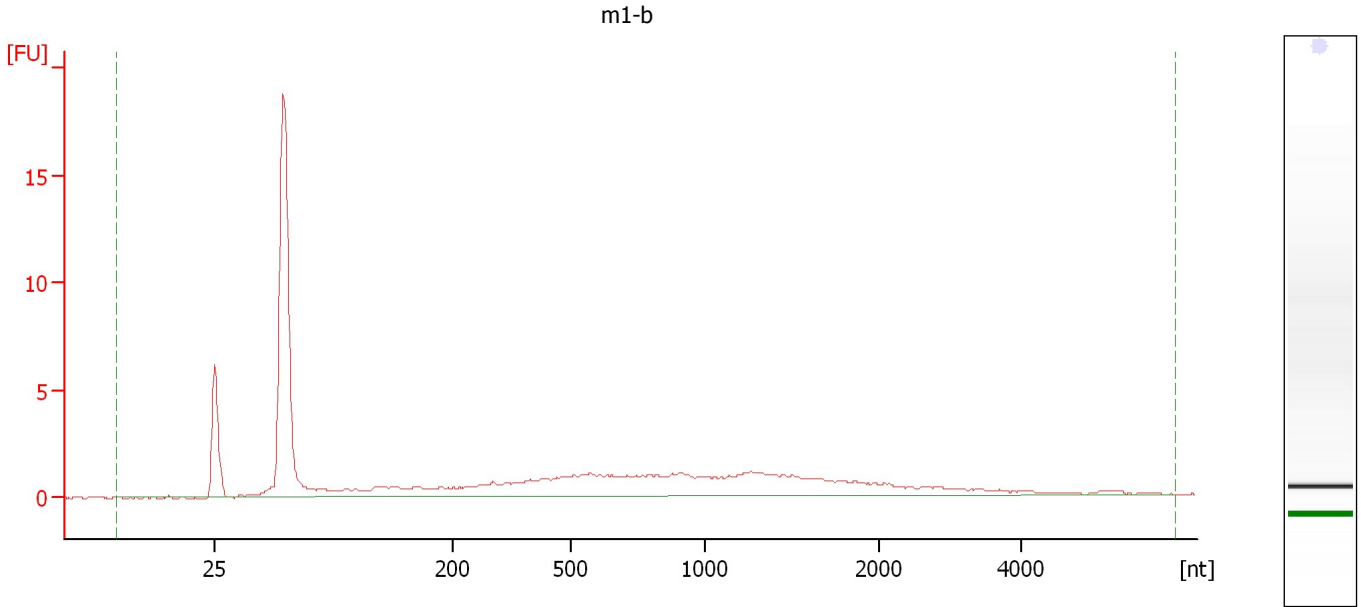
**Overall Results for sample 10 : m1-b**

RNA Area:	77.1	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	725 µg/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]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : m1-b**

RNA Area:	82.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	777 µg/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]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28\_006.xad

Created: 8/28/2017 4:22:08 PM  
Modified: 8/28/2017 4:45:03 PM

**Gel Image**

