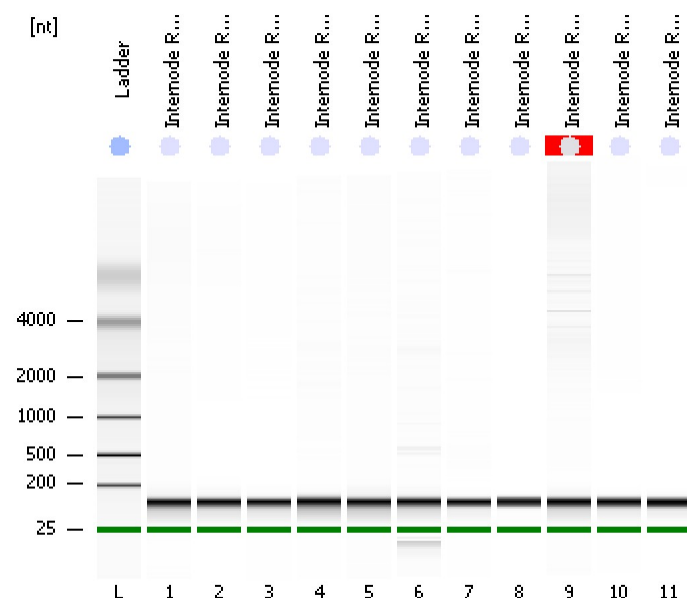


Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: Ann's baby

Firmware: C.01.069

Serial#: DE24802235

Type: G2938B

Assay Information:

Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

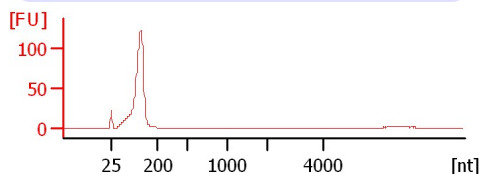
Chip Lot #:

Reagent Kit Lot #:

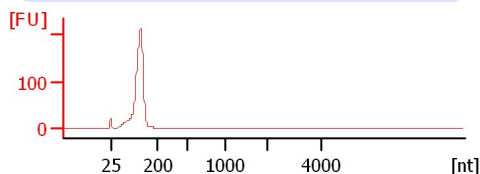
Chip Comments:

**Internode RNA recovered from precipit...**

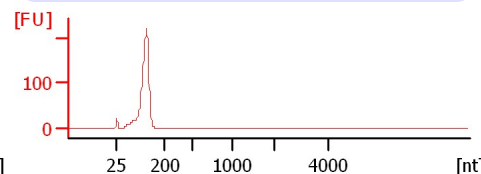
RIN: 2.60

**Internode RNA recovered from precipit...**

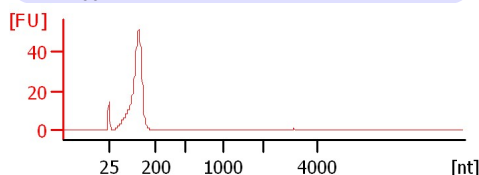
RIN: 2.60

**Internode RNA recovered from precipit...**

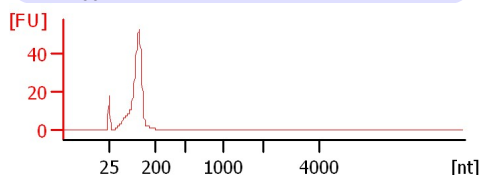
RIN: 2.60

**Internode RNA recovered from precipit...**

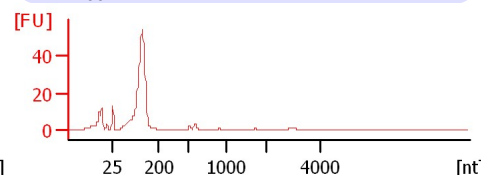
RIN: 2.60

**Internode RNA recovered from precipit...**

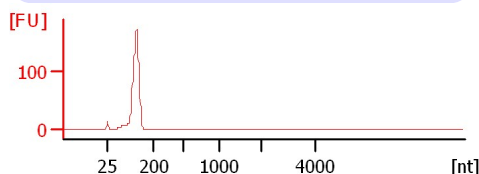
RIN: 2.60

**Internode RNA recovered from precipit...**

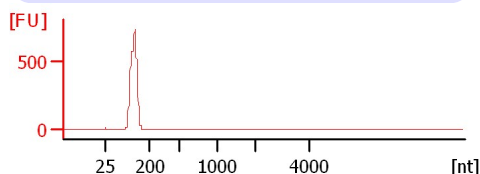
RIN: 2.60

**Internode RNA recovered from precipit...**

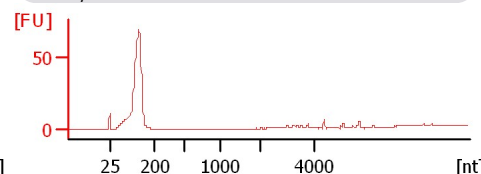
RIN: 1.90

**Internode RNA recovered from precipit...**

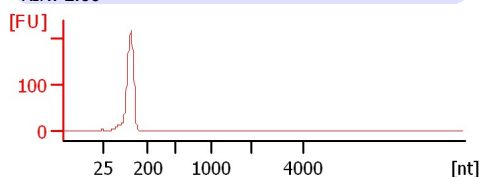
RIN: 2.60

**Internode RNA recovered from precipit...**

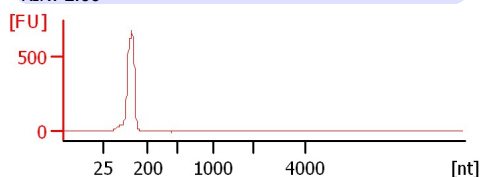
RIN N/A

**Internode RNA recovered from precipit...**

RIN: 2.60

**Internode RNA recovered from precipit...**

RIN: 2.60



Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 PM

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

| Sample Name                                                    | Sample Comment | Status | Result Label      | Result Color |
|----------------------------------------------------------------|----------------|--------|-------------------|--------------|
| Internode RNA recovered from precipitation fractions Sample 1  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 2  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 3  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 4  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 5  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 6  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 7  |                | ✓      | RIN: 1.90         |              |
| Internode RNA recovered from precipitation fractions Sample 8  |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 9  |                | ✓      | RIN N/A           |              |
| Internode RNA recovered from precipitation fractions Sample 10 |                | ✓      | RIN: 2.60         |              |
| Internode RNA recovered from precipitation fractions Sample 11 |                | ✓      | RIN: 2.60         |              |
| Ladder                                                         |                | ✓      | All Other Samples |              |

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 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/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ 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

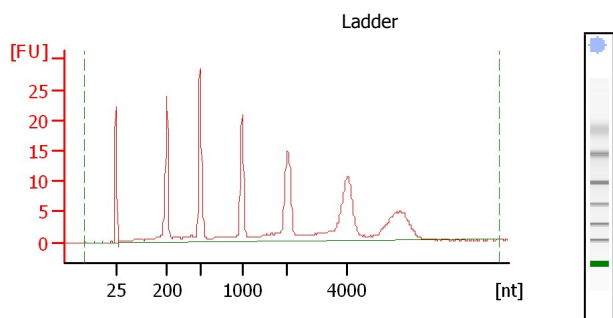
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

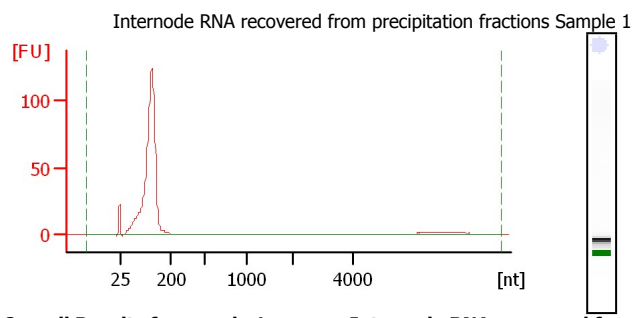
Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 PM

### Electropherogram Summary



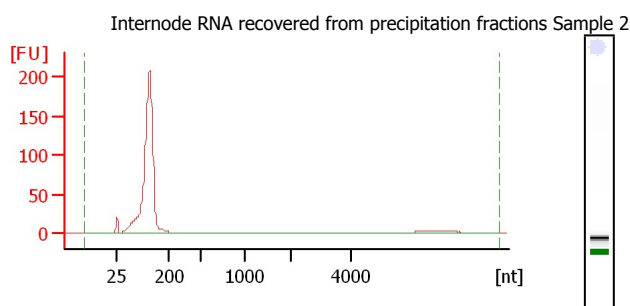
#### Overall Results for Ladder

RNA Area: 231.8  
RNA Concentration: 1,000 pg/μl  
Result Flagging Color:    
Result Flagging Label: All Other Samples



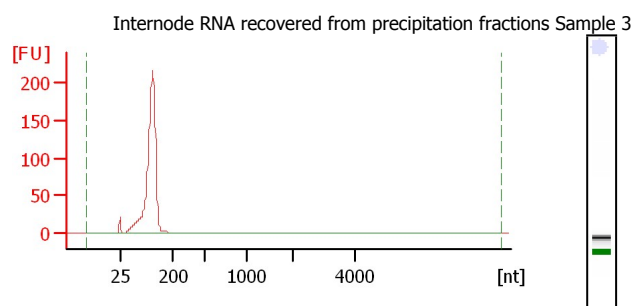
#### Overall Results for sample 1 : Internode RNA recovered from pr

RNA Area: 607.0  
RNA Concentration: 2,619 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60



#### Overall Results for sample 2 : Internode RNA recovered from pr

RNA Area: 929.6  
RNA Concentration: 4,010 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60



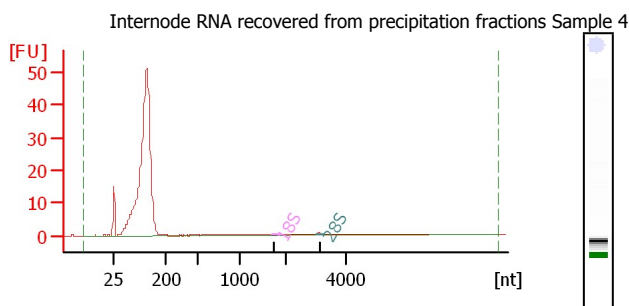
#### Overall Results for sample 3 : Internode RNA recovered from pr

RNA Area: 876.2  
RNA Concentration: 3,780 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60

Assay Class: Eukaryote Total RNA Pico  
 Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
 Modified: 12/14/2011 7:28:25 PM

### Electropherogram Summary Continued ...

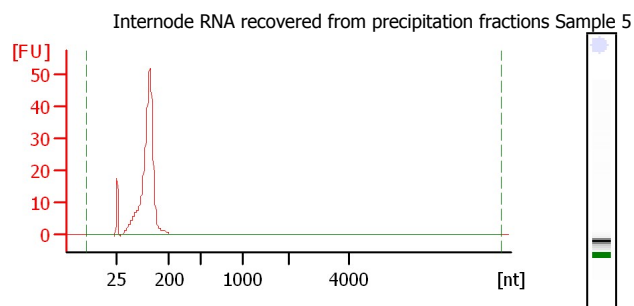


#### Overall Results for sample 4 : Internode RNA recovered from pr

RNA Area: 267.1  
 RNA Concentration: 1,152 pg/μl  
 rRNA Ratio [28s / 18s]: 0.8  
 RNA Integrity Number (RIN): 2.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.60

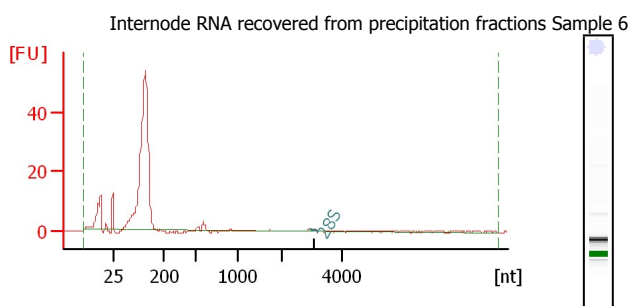
#### Fragment table for sample 4 : Internode RNA recovered from pr

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,718           | 1,858         | 0.3  | 0.1             |
| 28S  | 3,028           | 3,265         | 0.3  | 0.1             |



#### Overall Results for sample 5 : Internode RNA recovered from pr

RNA Area: 251.5  
 RNA Concentration: 1,085 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.60

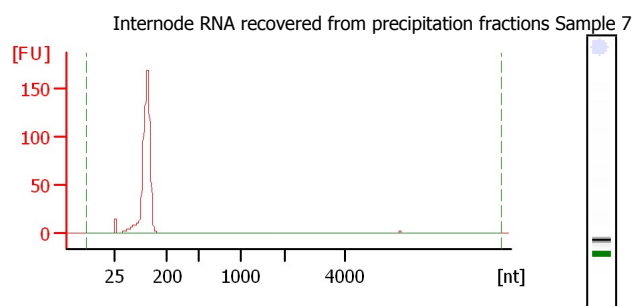


#### Overall Results for sample 6 : Internode RNA recovered from pr

RNA Area: 270.3  
 RNA Concentration: 1,166 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.60

#### Fragment table for sample 6 : Internode RNA recovered from pr

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 28S  | 2,904           | 3,170         | 0.7  | 0.3             |

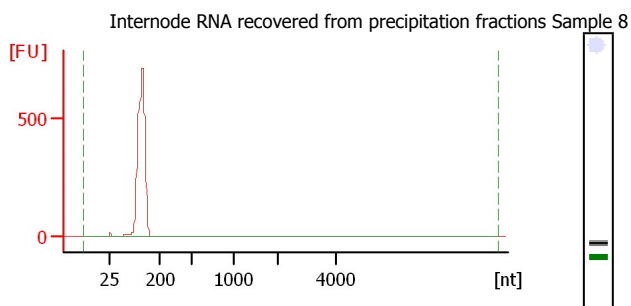


#### Overall Results for sample 7 : Internode RNA recovered from pr

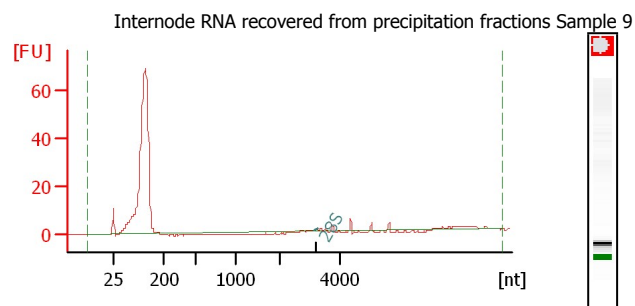
RNA Area: 615.7  
 RNA Concentration: 2,656 pg/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 1.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 :** Internode RNA recovered from pr

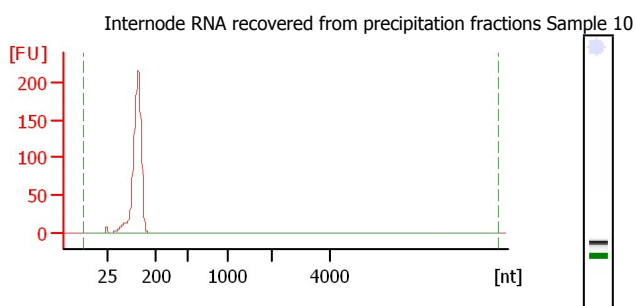
RNA Area: 2,689.2  
RNA Concentration: 11,601 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60

**Overall Results for sample 9 :** Internode RNA recovered from pr

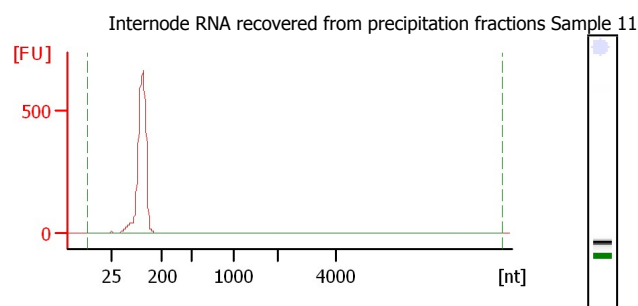
RNA Area: 330.5  
RNA Concentration: 1,426 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): N/A (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN N/A

**Fragment table for sample 9 :** Internode RNA recovered from pre

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 28S  | 3,177           | 3,292         | 0.2  | 0.0             |

**Overall Results for sample 10 :** Internode RNA recovered from pr

RNA Area: 902.1  
RNA Concentration: 3,892 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60

**Overall Results for sample 11 :** Internode RNA recovered from pr

RNA Area: 2,877.9  
RNA Concentration: 12,415 pg/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 2.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 2.60

Assay Class: Eukaryote Total RNA Pico  
Data Path: D:\...Eukaryote Total RNA Pico\_DE24802235\_2011-12-14\_18-59-39.xad

Created: 12/14/2011 6:59:39 PM  
Modified: 12/14/2011 7:28:25 PM

**Gel Image**