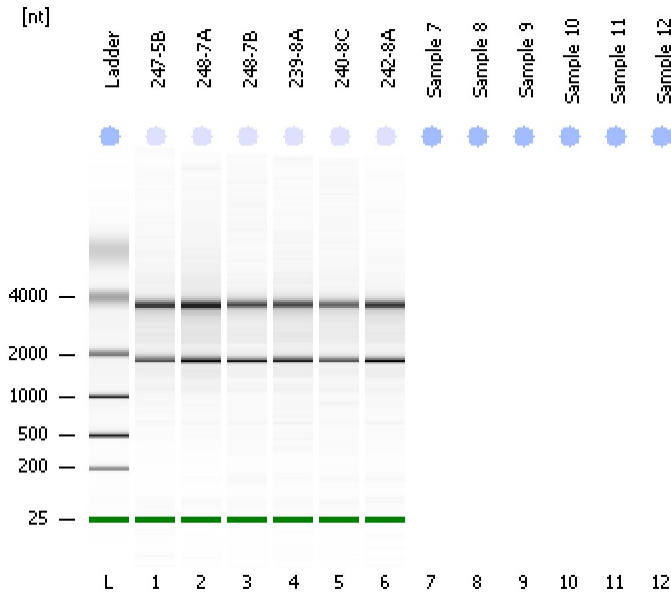


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

Electrophoresis File Run Summary



Instrument Information:

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

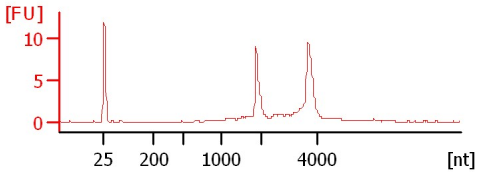
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

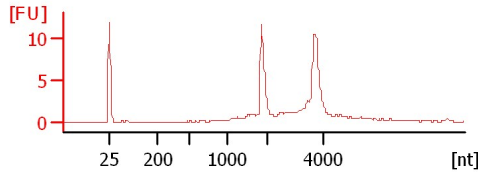
Chip Information:

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

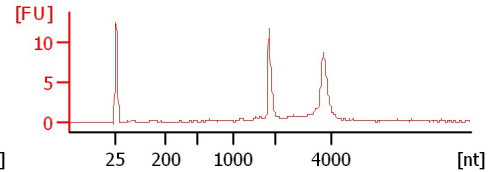
**247-5B**  
Prairie Vole RNA QC  
RIN: 9.30



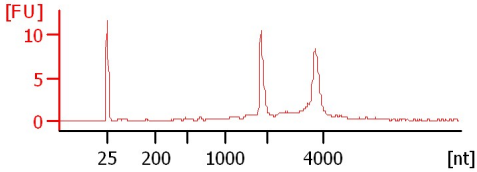
**248-7A**  
Prairie Vole RNA QC  
RIN: 9.20



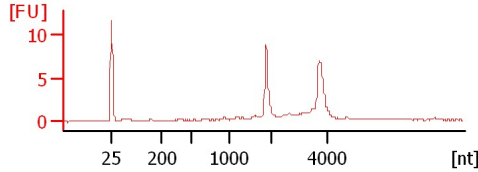
**248-7B**  
Prairie Vole RNA QC  
RIN: 9.40



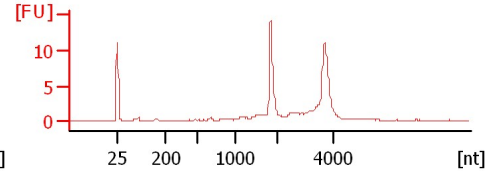
**239-8A**  
Prairie Vole RNA QC  
RIN: 9.20



**240-8C**  
Prairie Vole RNA QC  
RIN: 9.10



**242-8A**  
Prairie Vole RNA QC  
RIN: 9.20



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

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

| Sample Name | Sample Comment      | Status | Result Label      | Result Color |
|-------------|---------------------|--------|-------------------|--------------|
| 247-5B      | Prairie Vole RNA QC | ✓      | RIN: 9.30         |              |
| 248-7A      | Prairie Vole RNA QC | ✓      | RIN: 9.20         |              |
| 248-7B      | Prairie Vole RNA QC | ✓      | RIN: 9.40         |              |
| 239-8A      | Prairie Vole RNA QC | ✓      | RIN: 9.20         |              |
| 240-8C      | Prairie Vole RNA QC | ✓      | RIN: 9.10         |              |
| 242-8A      | Prairie Vole RNA QC | ✓      | RIN: 9.20         |              |
| Sample 7    |                     |        | All Other Samples |              |
| Sample 8    |                     |        | All Other Samples |              |
| Sample 9    |                     |        | All Other Samples |              |
| Sample 10   |                     |        | All Other Samples |              |
| Sample 11   |                     |        | All Other Samples |              |
| Sample 12   |                     |        | All Other Samples |              |
| Ladder      |                     | ✓      | All Other Samples |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

## 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] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

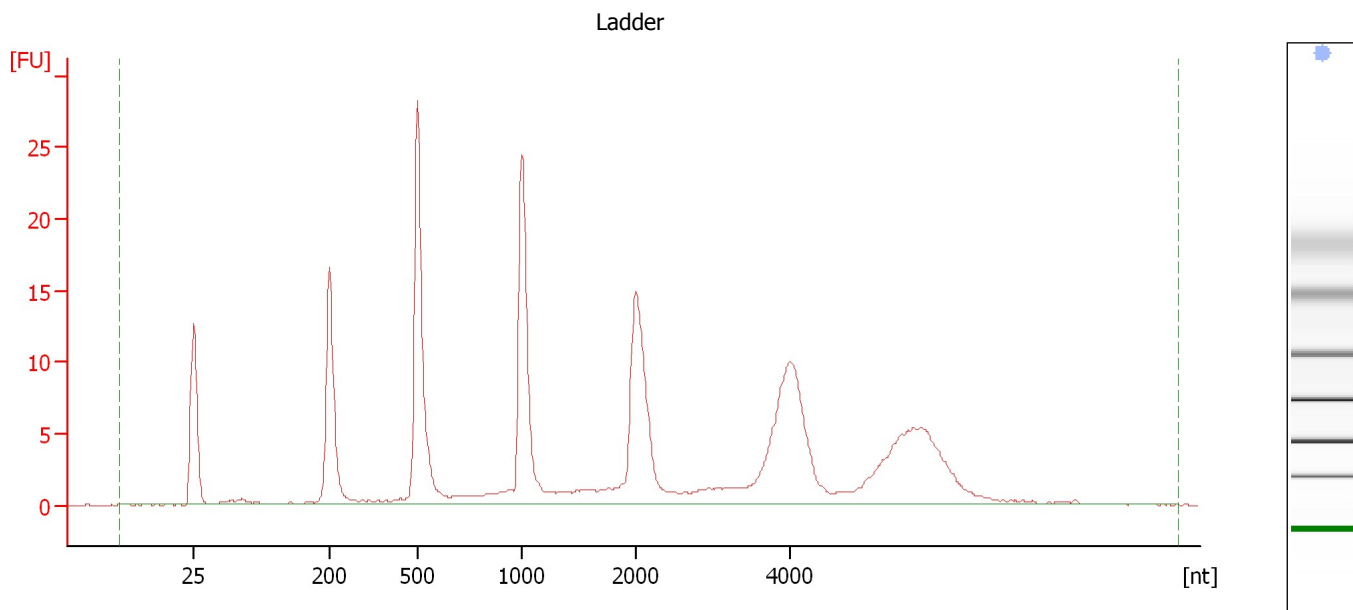
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary**



**Overall Results for Ladder**

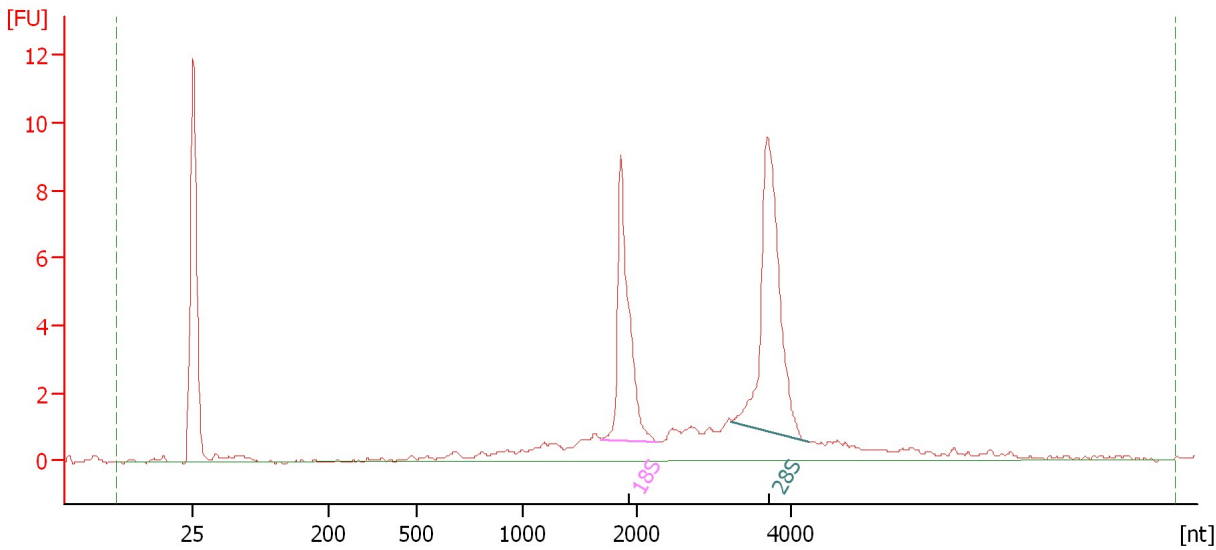
|                    |           |                        |   |
|--------------------|-----------|------------------------|---|
| RNA Area:          | 218.9     | Result Flagging Color: | <span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| RNA Concentration: | 150 ng/μl | Result Flagging Label: | All Other Samples   |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**

247-5B [ Prairie Vole RNA QC ]



**Overall Results for sample 1 : 247-5B**

RNA Area: 60.4                      RNA Integrity Number (RIN): 9.3 (B.02.08)  
RNA Concentration: 41 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5              Result Flagging Label: RIN: 9.30

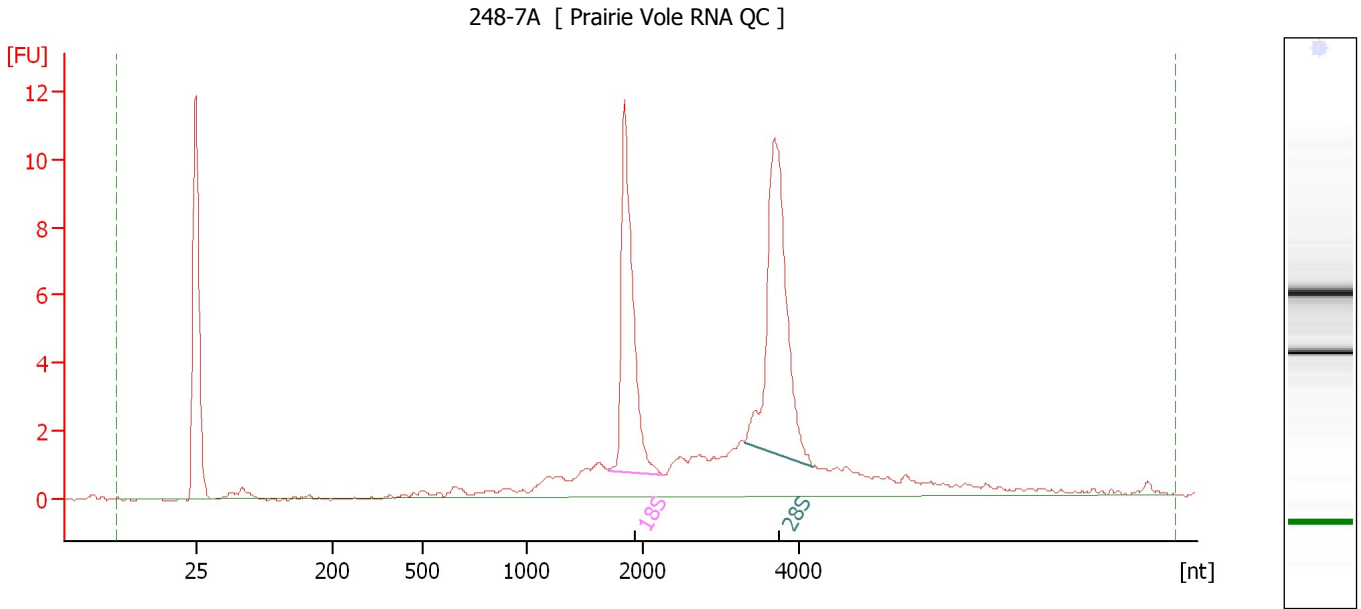
**Fragment table for sample 1 : 247-5B**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,691           | 2,277         | 11.6 | 19.2            |
| 28S  | 3,225           | 4,227         | 17.1 | 28.3            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 248-7A**

RNA Area: 73.3                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 50 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 9.20

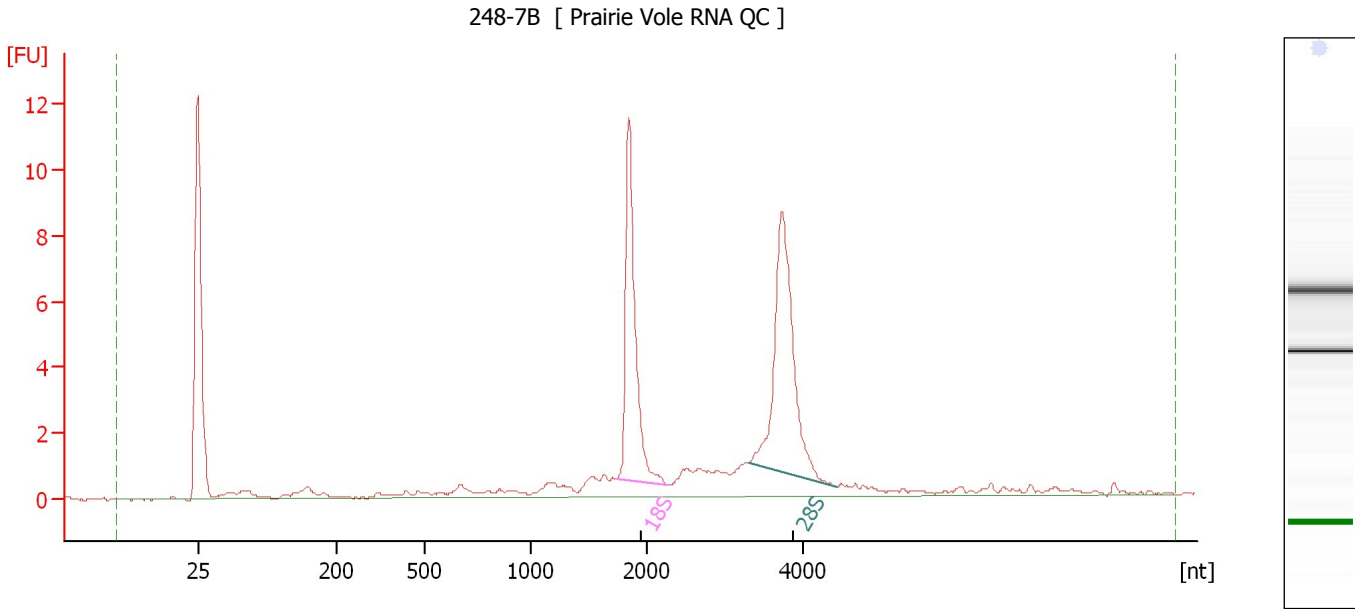
**Fragment table for sample 2 : 248-7A**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,706           | 2,266         | 15.2 | 20.7            |
| 28S  | 3,303           | 4,176         | 19.3 | 26.3            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 248-7B**

RNA Area: 56.5                      RNA Integrity Number (RIN): 9.4 (B.02.08)  
RNA Concentration: 39 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 9.40

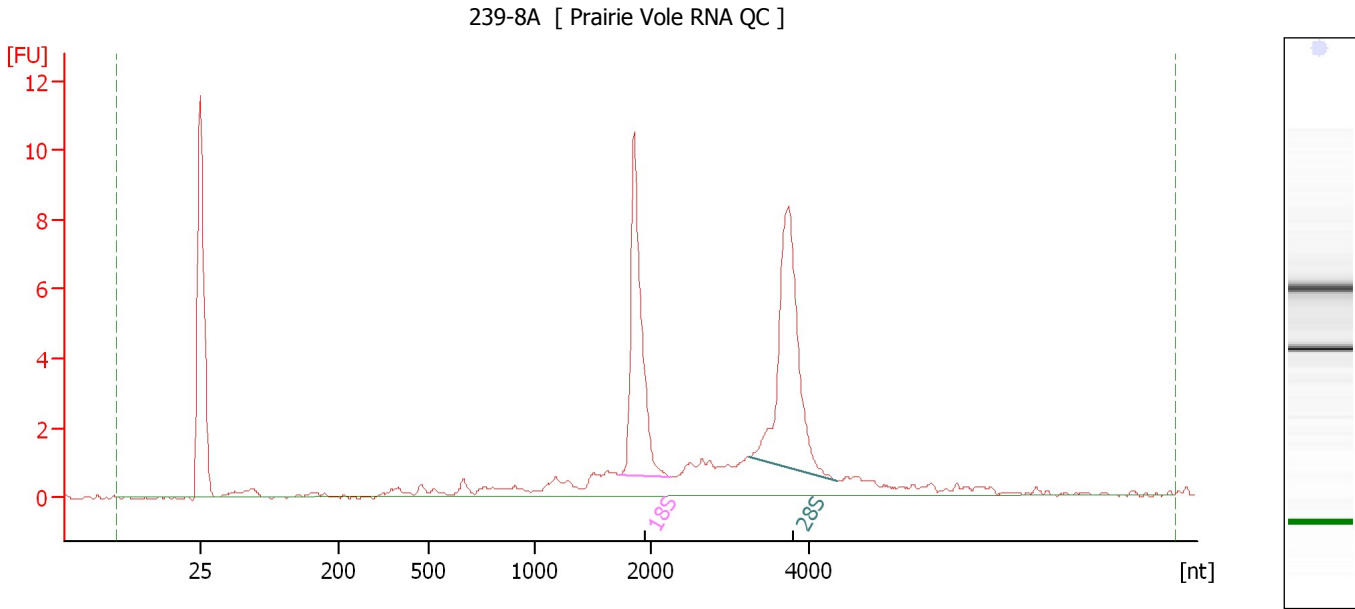
**Fragment table for sample 3 : 248-7B**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,737           | 2,267         | 12.4 | 21.9            |
| 28S  | 3,313           | 4,414         | 15.8 | 27.9            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 239-8A**

RNA Area: 57.2                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 39 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2              Result Flagging Label: RIN: 9.20

**Fragment table for sample 4 : 239-8A**

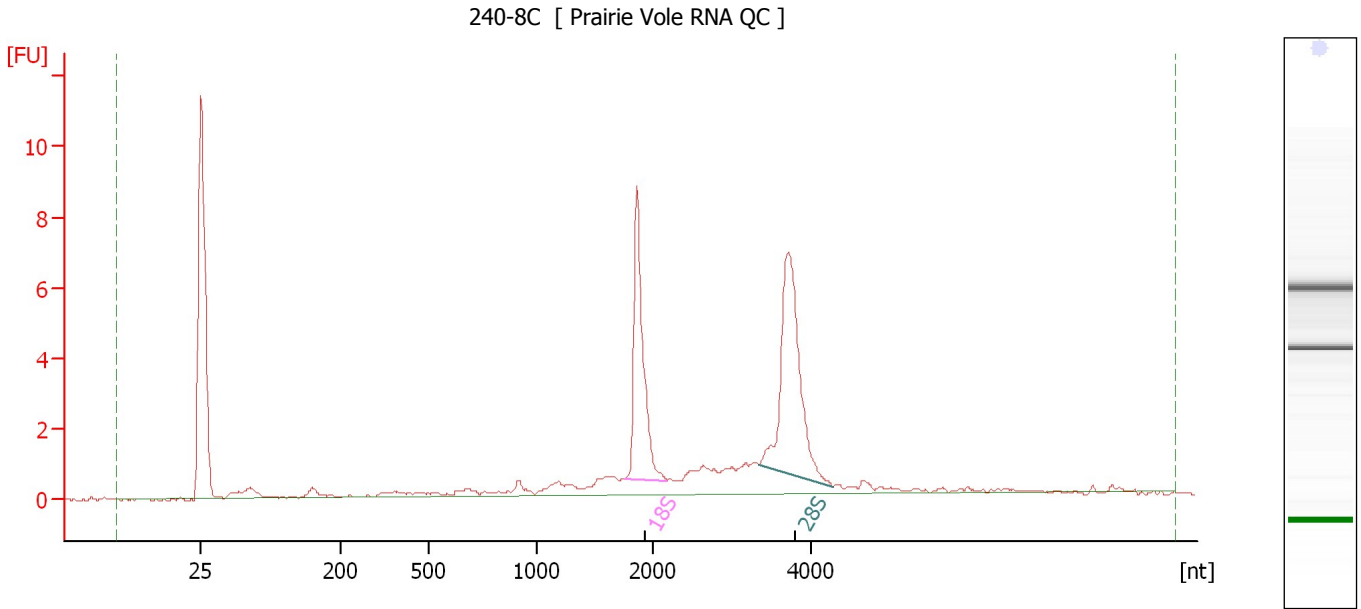
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,730           | 2,255         | 12.8 | 22.4            |
| 28S  | 3,256           | 4,352         | 15.6 | 27.3            |



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 240-8C**

RNA Area: 43.1                      RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 30 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 9.10

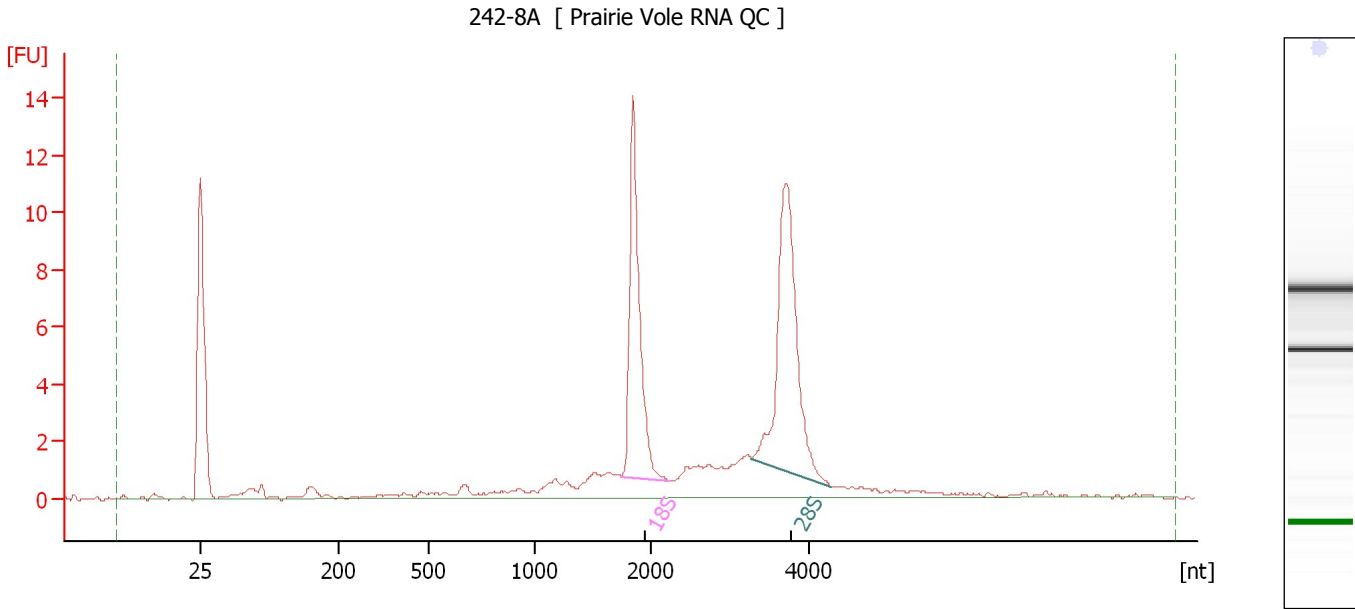
**Fragment table for sample 5 : 240-8C**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,759           | 2,189         | 9.3  | 21.7            |
| 28S  | 3,336           | 4,294         | 12.4 | 28.8            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 242-8A**

RNA Area: 72.4                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 50 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 9.20

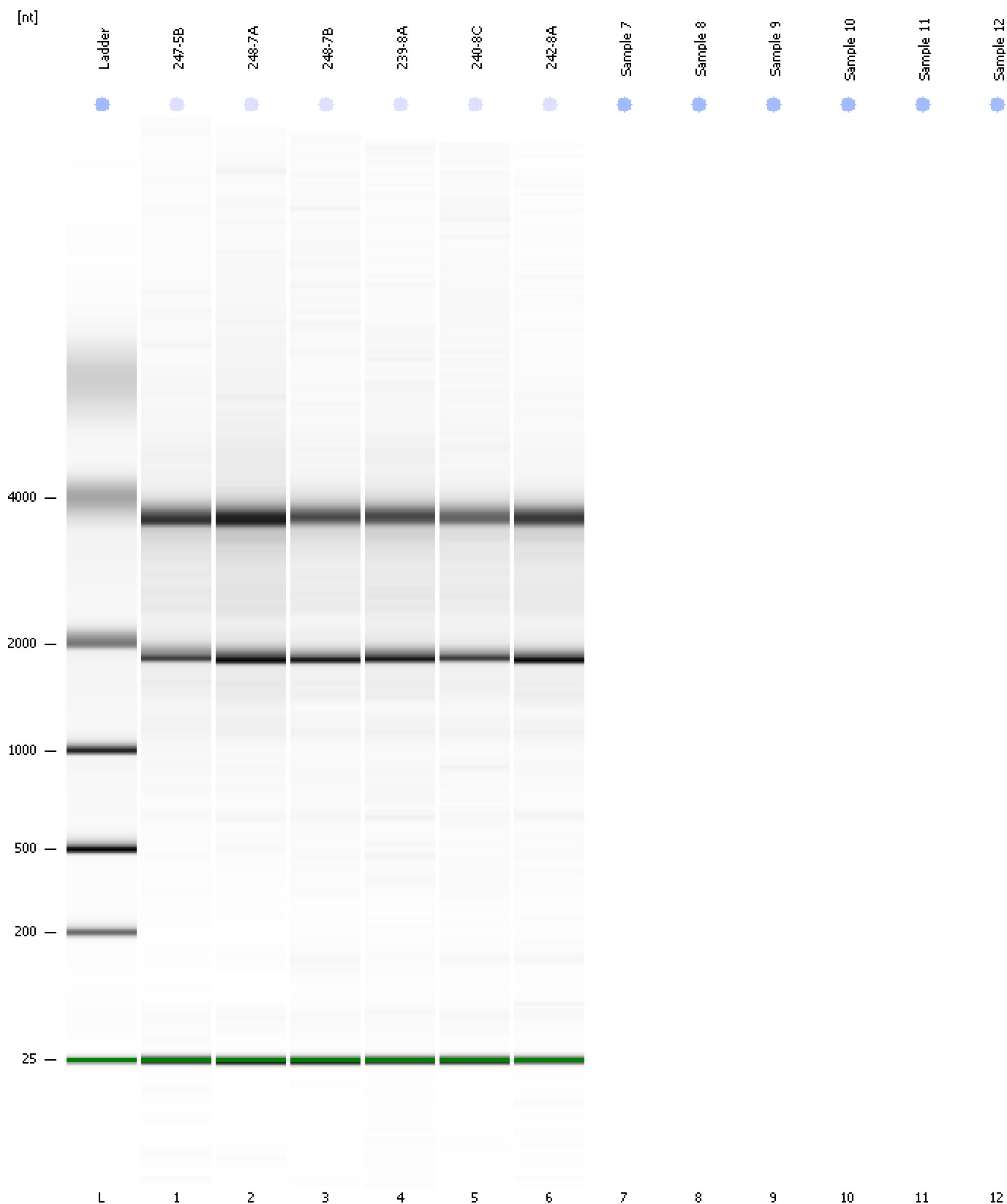
**Fragment table for sample 6 : 242-8A**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S  | 1,749           | 2,242         | 15.8 | 21.9            |
| 28S  | 3,283           | 4,284         | 20.5 | 28.3            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Gel Image**

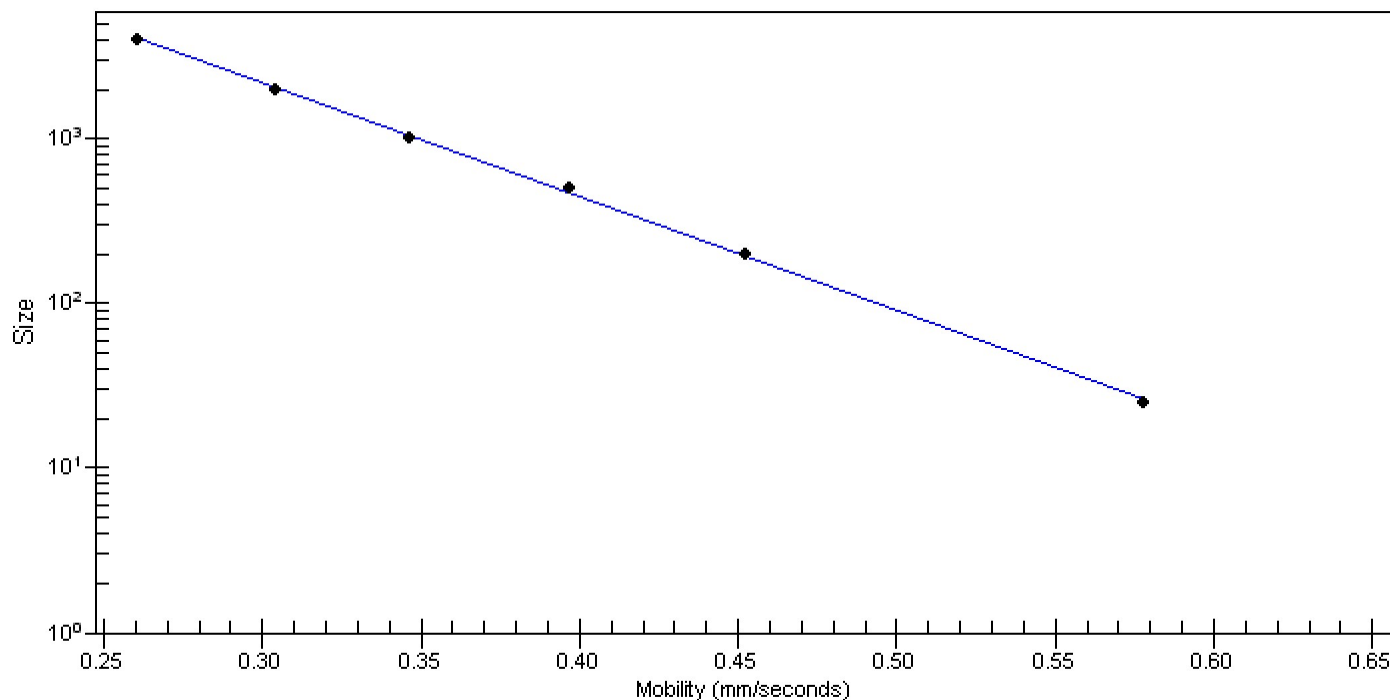


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad

Created: 7/8/2016 1:13:10 PM  
Modified: 7/8/2016 1:43:58 PM

**Invalid Samples**

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano Created: 7/8/2016 1:13:10 PM  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-08\2016-07-08\_006.xad Modified: 7/8/2016 1:43:58 PM

**Run Logbook**

| Description  | Number | Source     | Category | Sub Category | Time                | Time Zone                           | User     | Host     |
|--|--------|------------|----------|--------------|---------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 7)  |        | Instrument | Run      |              | 7/8/2016 1:28:44 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-07-08\2016-07-08_006.xad) |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B  |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :   |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies  |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086   |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069  |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode  |        | Instrument | Run      |              | 7/8/2016 1:13:16 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |