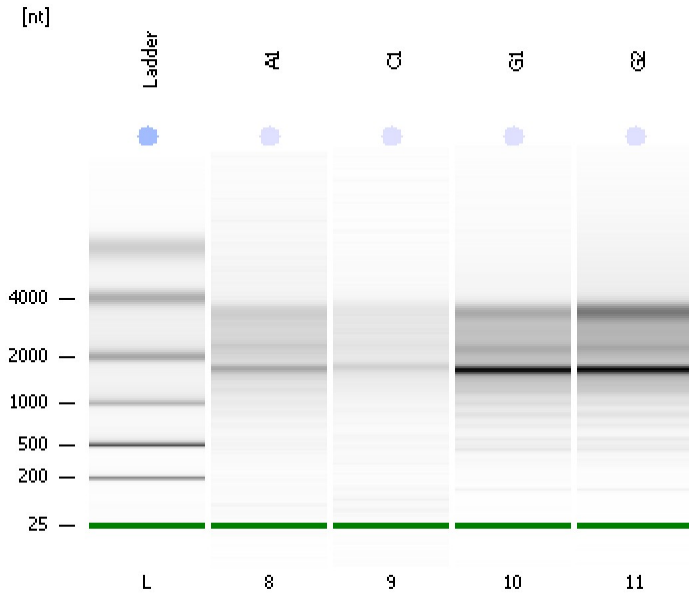


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

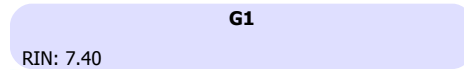
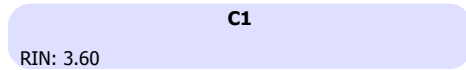
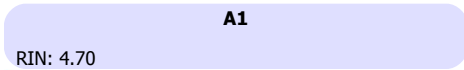
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
 Modified: 6/25/2018 1:15:04 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 4.70	
C1		✓	RIN: 3.60	
G1		✓	RIN: 7.40	
G2		✓	RIN: 8.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 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

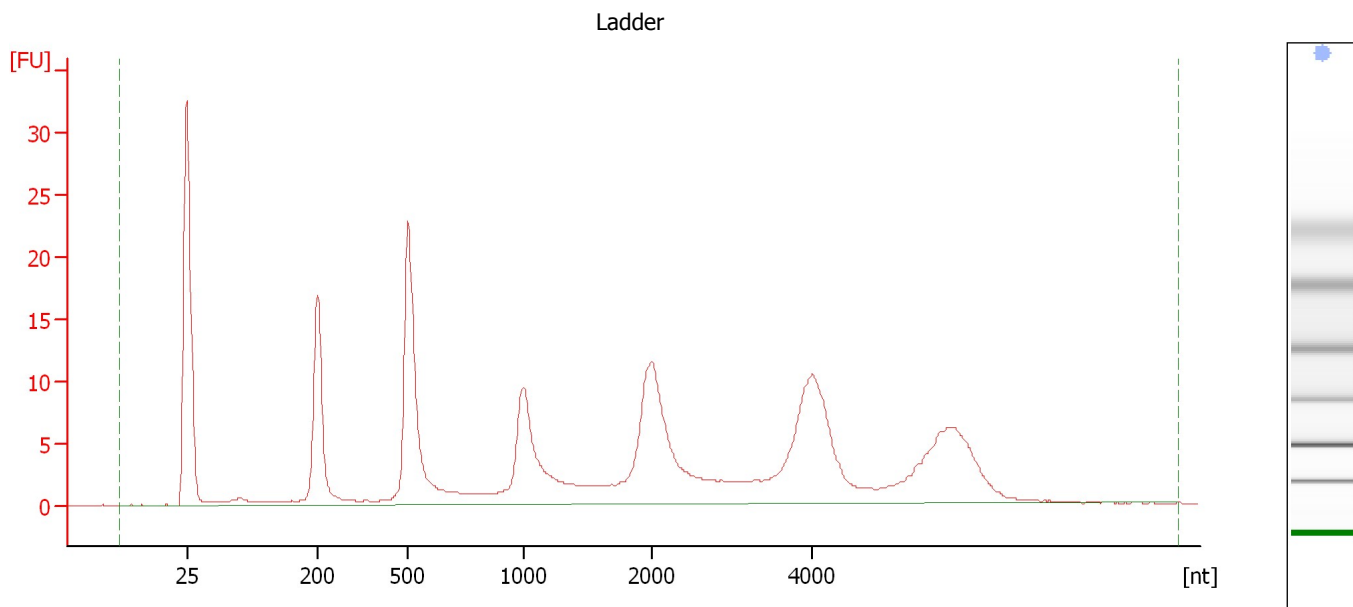
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 PM

**Electropherogram Summary**



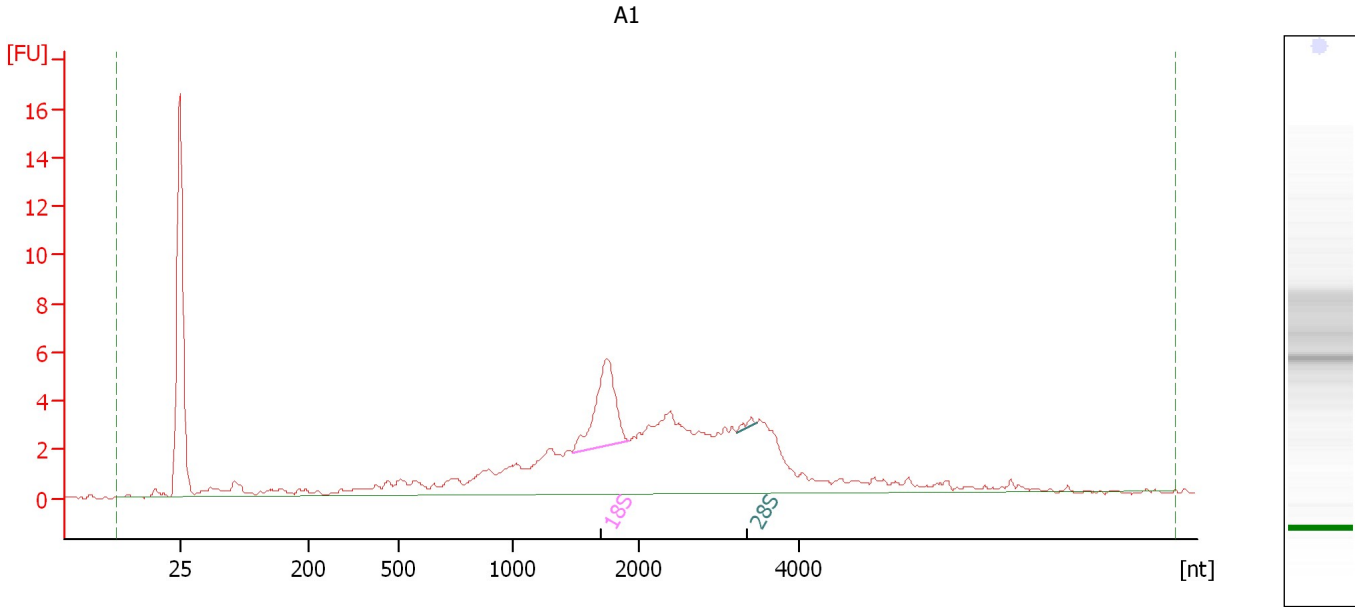
**Overall Results for Ladder**

RNA Area:	256.1	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/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
 Modified: 6/25/2018 1:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A1**

RNA Area:	99.5	RNA Integrity Number (RIN):	4.7 (B.02.08)
RNA Concentration:	389 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.70

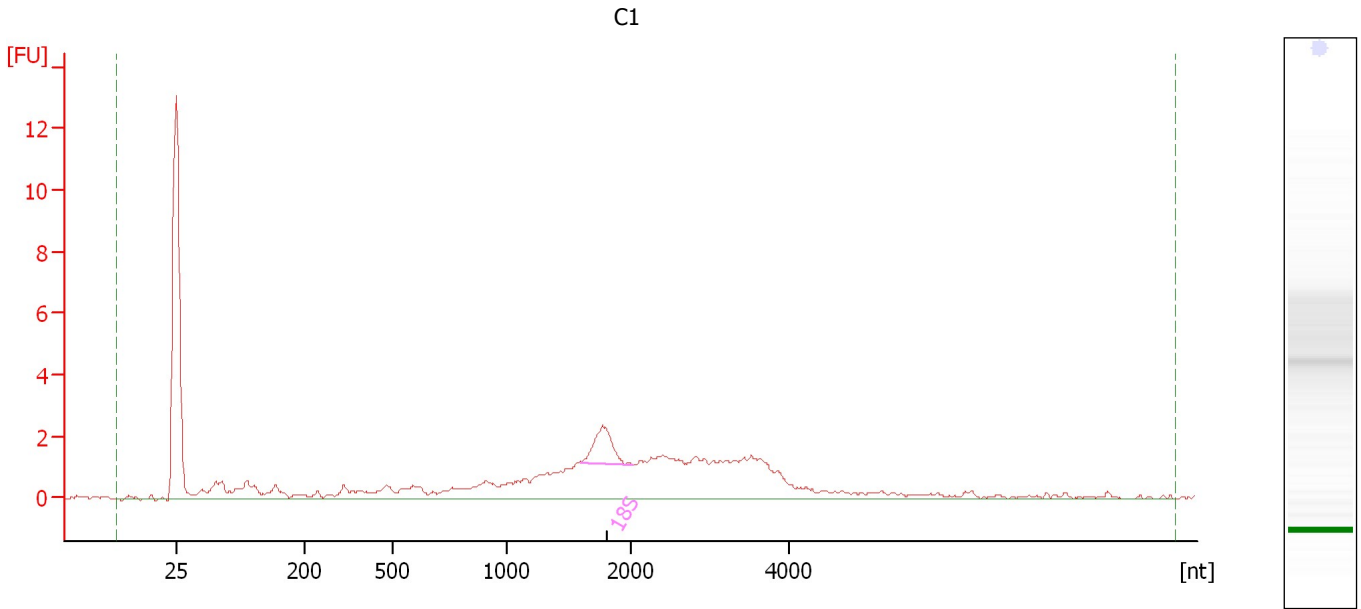
**Fragment table for sample 8 : A1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,464	1,913	8.9	9.0
28S	3,213	3,454	0.3	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : C1**

RNA Area:	54.8	RNA Integrity Number (RIN):	3.6 (B.02.08)
RNA Concentration:	214 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

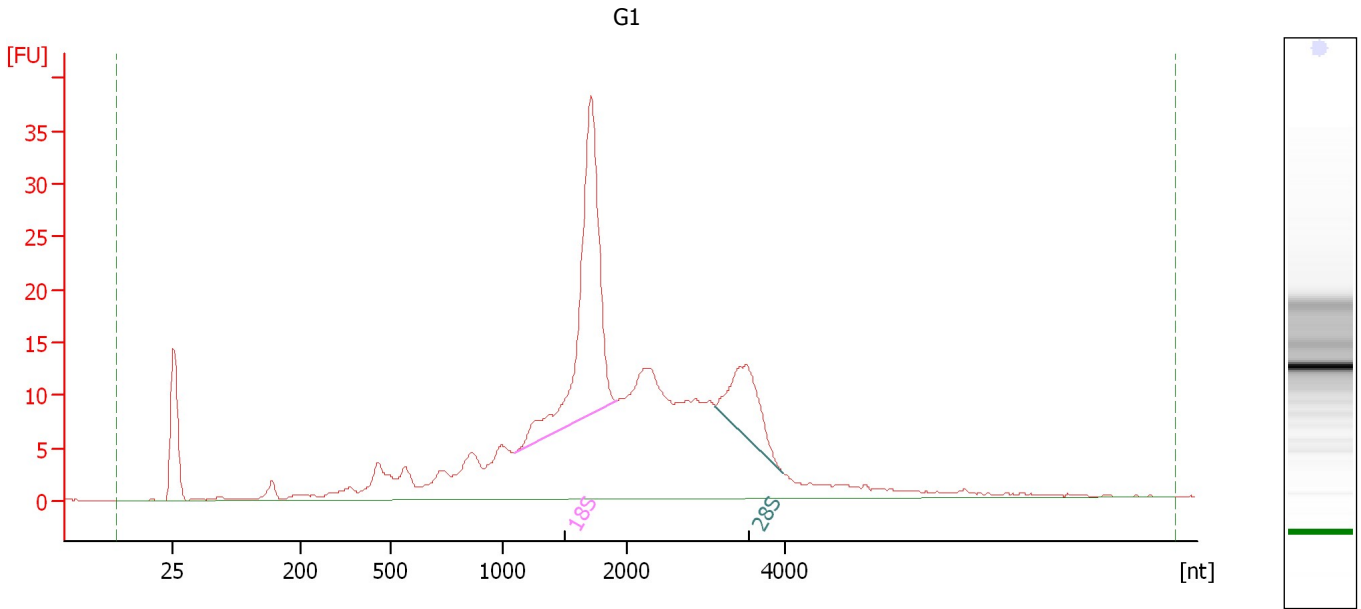
**Fragment table for sample 9 : C1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,008	2.7	5.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
 Modified: 6/25/2018 1:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : G1**

RNA Area:	408.9	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,596 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 7.40

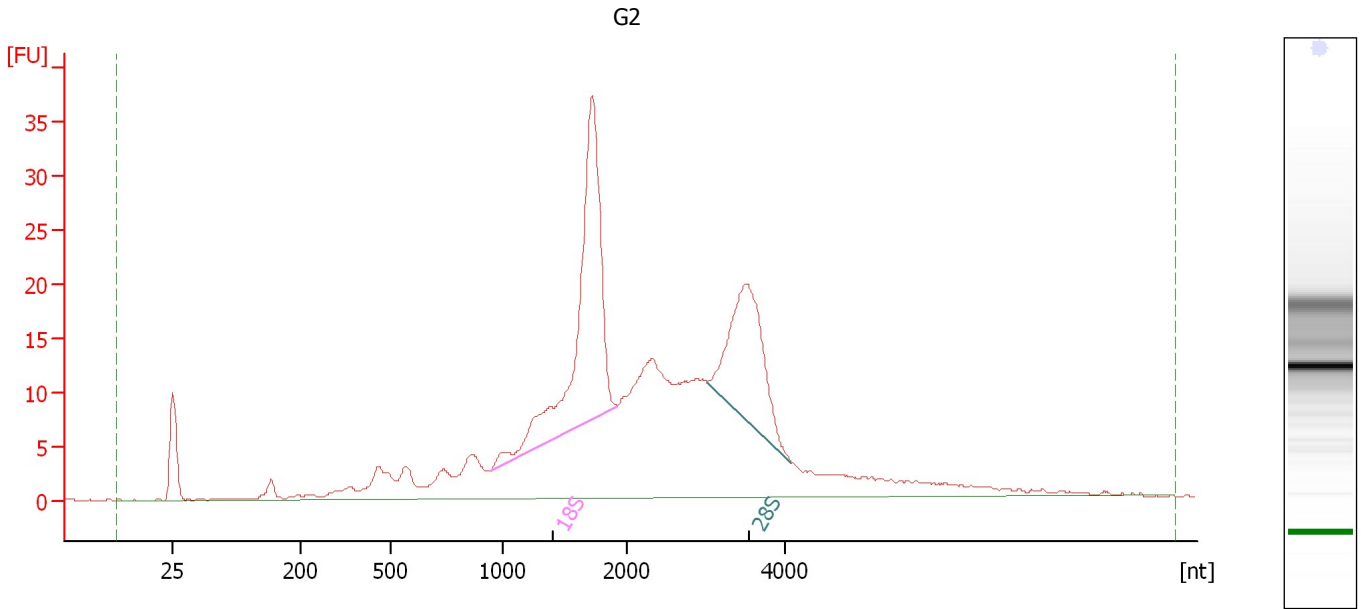
**Fragment table for sample 10 : G1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,094	1,910	75.2	18.4
28S	3,118	3,985	21.4	5.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : G2**

RNA Area: 458.0                      RNA Integrity Number (RIN): 8.2 (B.02.08)  
RNA Concentration: 1,788 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.5                      Result Flagging Label: RIN: 8.20

**Fragment table for sample 11 : G2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	942	1,919	86.7	18.9
28S	3,023	4,080	46.2	10.1



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 expert\data\2018-06-25\2018-06-25\_003\_Ross\_Ju\_RNAQC.xad

Created: 6/25/2018 12:31:46 PM  
Modified: 6/25/2018 1:15:04 PM

**Gel Image**

