

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11\_002.xad

Created: 8/11/2015 4:30:13 PM  
Modified: 8/11/2015 4:44:35 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 Pico Series II.xsy

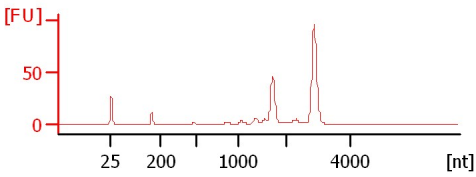
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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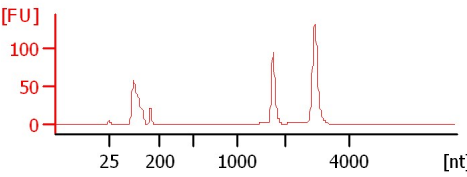
Chip Information:

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

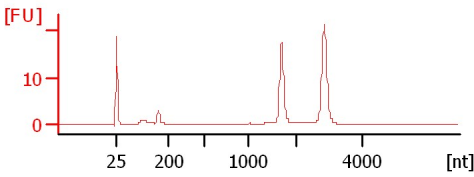
**IR50 x Kit 2.5h r3**  
RIN: 9.20



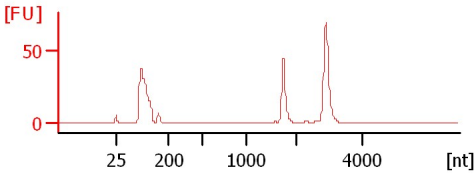
**K1 6d endosperm**  
RIN N/A



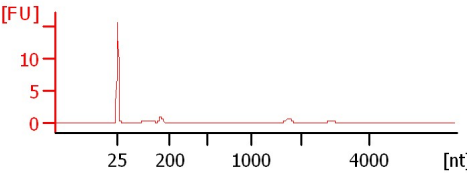
**K3 6d endosperm**  
RIN:10



**J4 6d endosperm**  
RIN N/A



**J5 6d endosperm**  
RIN N/A



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

Sample Name	Sample Comment	Status	Result Label	Result Color
IR50 x Kit 2.5h r3		✓	RIN: 9.20	
K1 6d endosperm		✓	RIN N/A	
K3 6d endosperm		✓	RIN:10	
J4 6d endosperm		✓	RIN N/A	
J5 6d endosperm		✓	RIN N/A	
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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**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

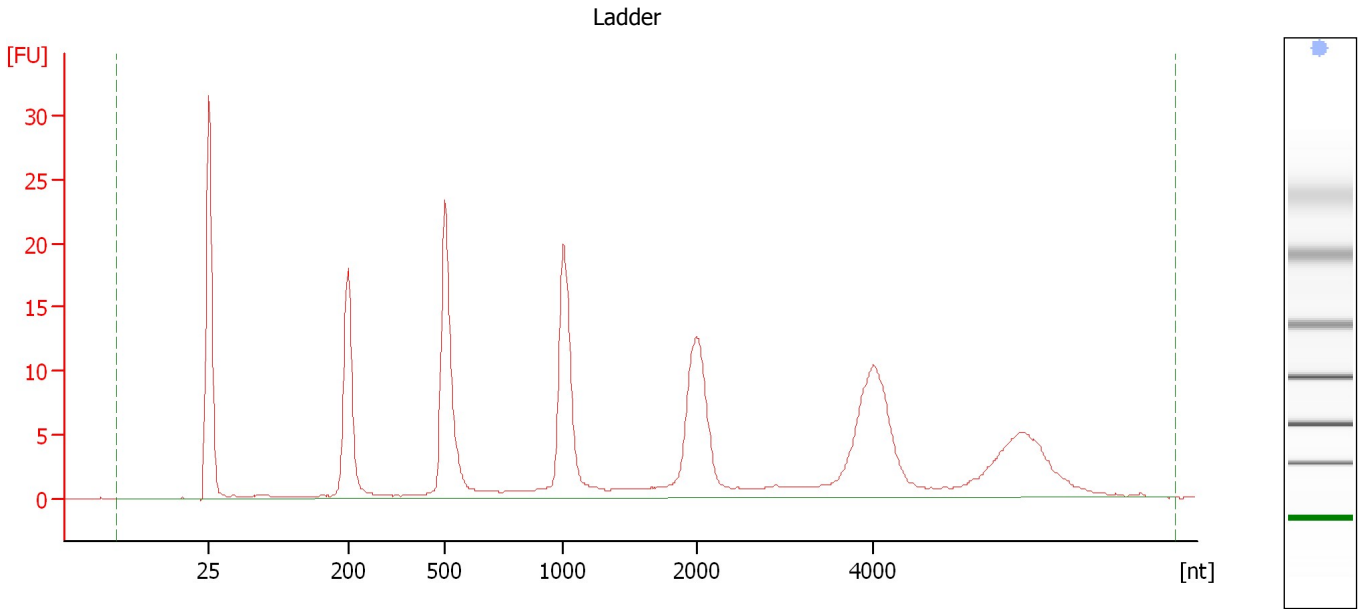
**Ladder**

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

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**Electropherogram Summary**



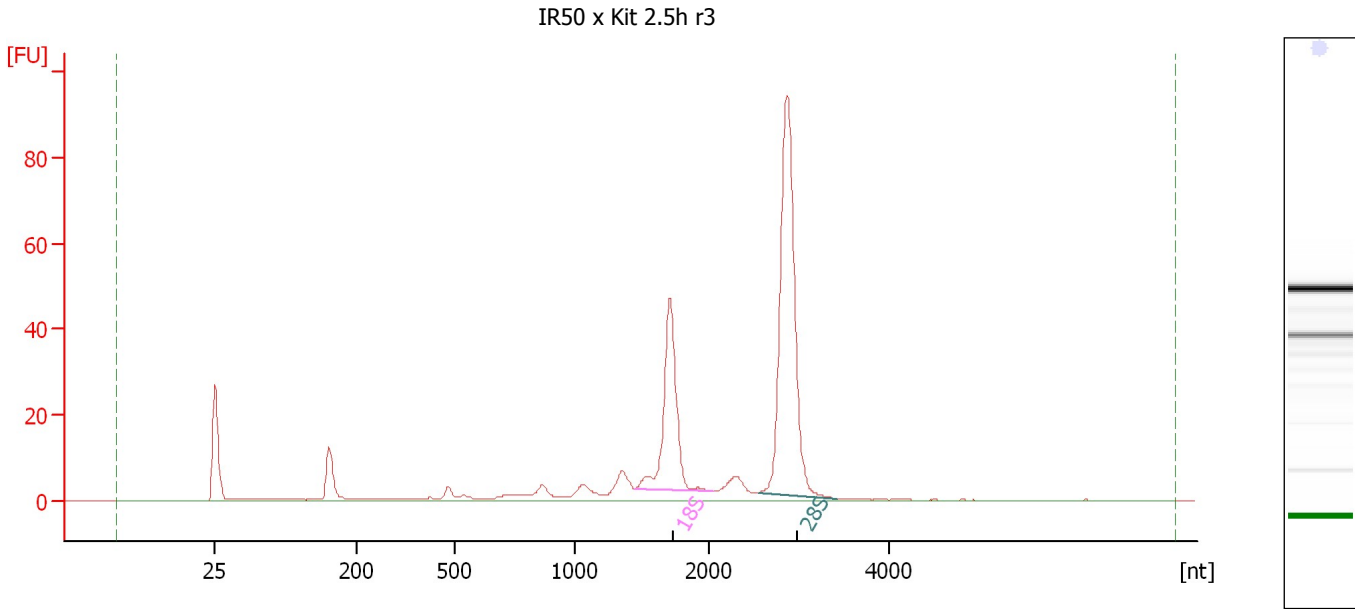
**Overall Results for Ladder**

RNA Area:	215.1	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : IR50 x Kit 2.5h r3**

RNA Area: 320.8 RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 1,492 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.20

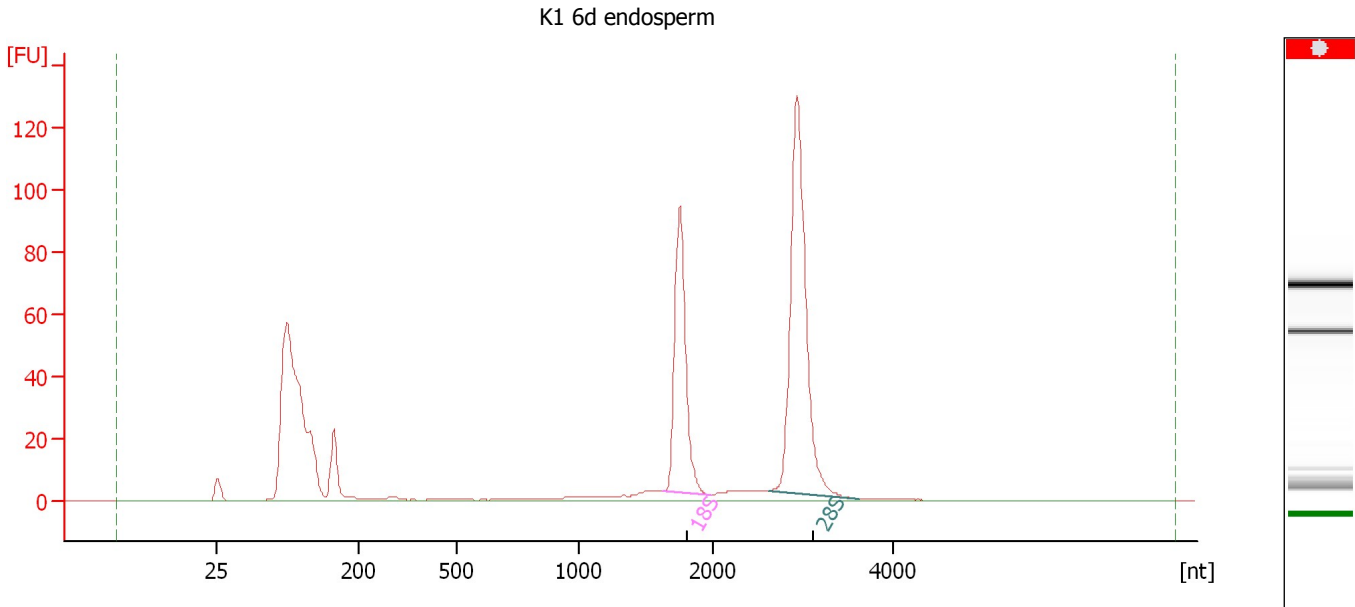
**Fragment table for sample 1 : IR50 x Kit 2.5h r3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,452	2,050	67.5	21.0
28S	2,562	3,430	140.4	43.8

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : K1 6d endosperm**

RNA Area:	668.4	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,108 µg/µl	Result Flagging Color:	<span style="border: 1px solid gray; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN N/A

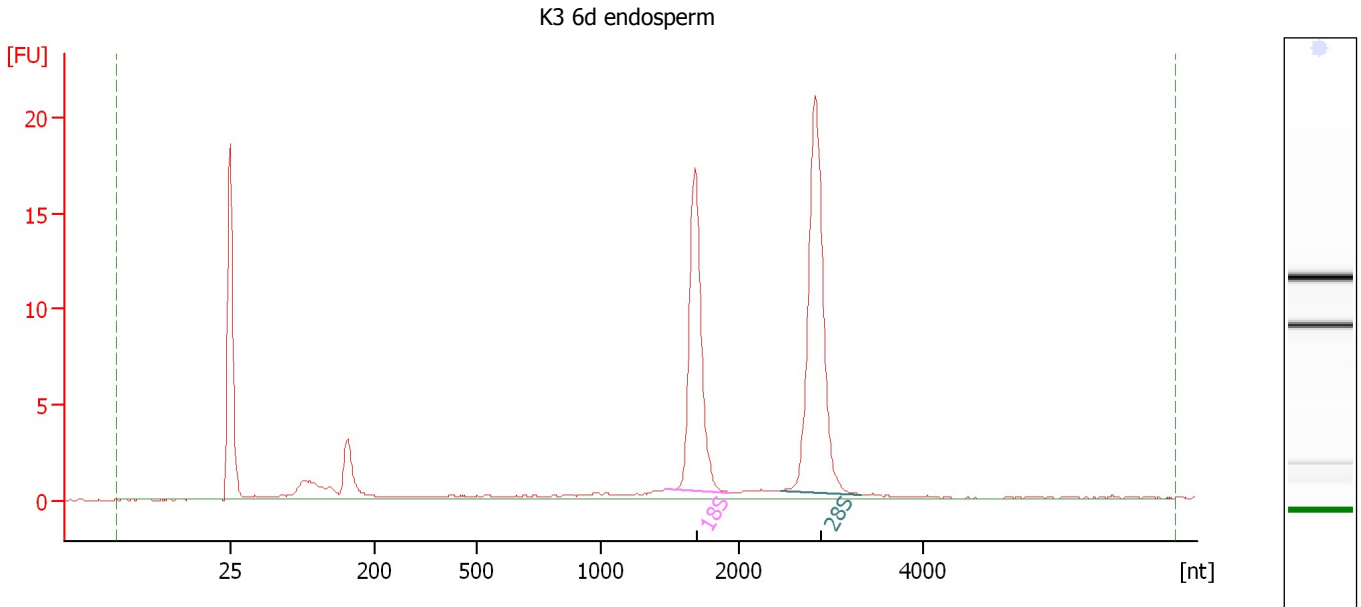
**Fragment table for sample 2 : K1 6d endosperm**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	1,978	118.4	17.7
28S	2,620	3,627	204.0	30.5

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : K3 6d endosperm**

RNA Area: 80.9 RNA Integrity Number (RIN): 10 (B.02.08)  
RNA Concentration: 376 µg/µl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:10

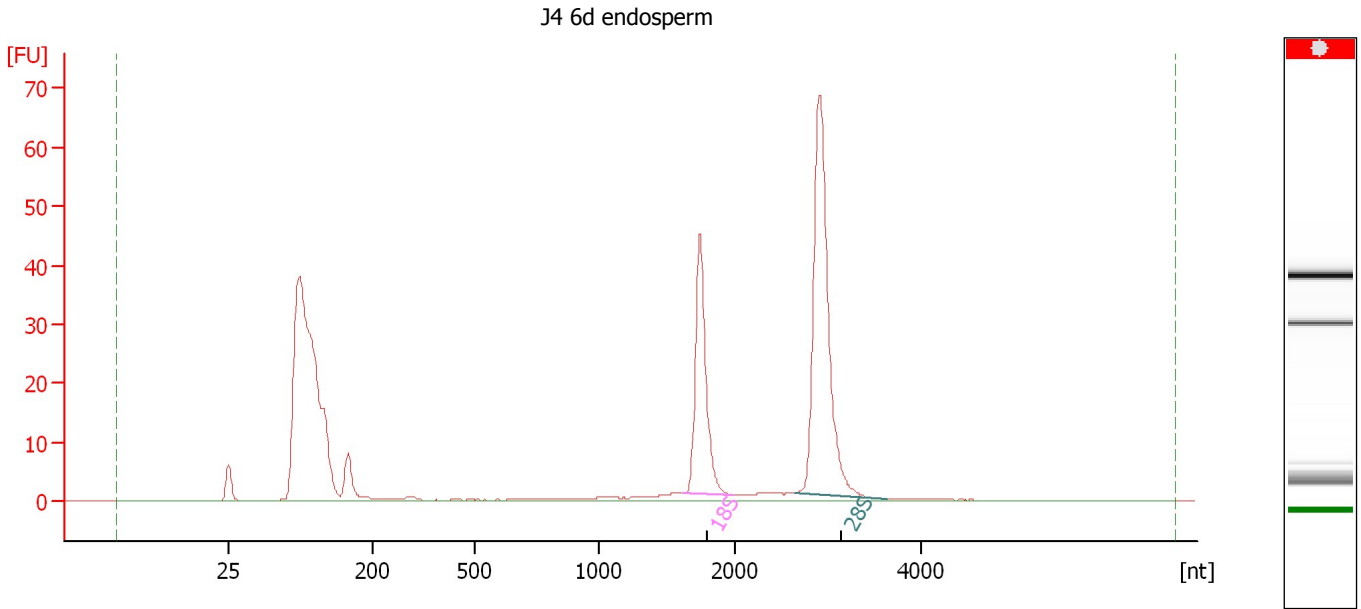
**Fragment table for sample 3 : K3 6d endosperm**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,936	23.2	28.7
28S	2,460	3,327	31.7	39.3

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : J4 6d endosperm**

RNA Area: 366.5 RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 1,704 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN N/A

**Fragment table for sample 4 : J4 6d endosperm**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,618	1,982	54.0	14.7
28S	2,646	3,631	100.7	27.5

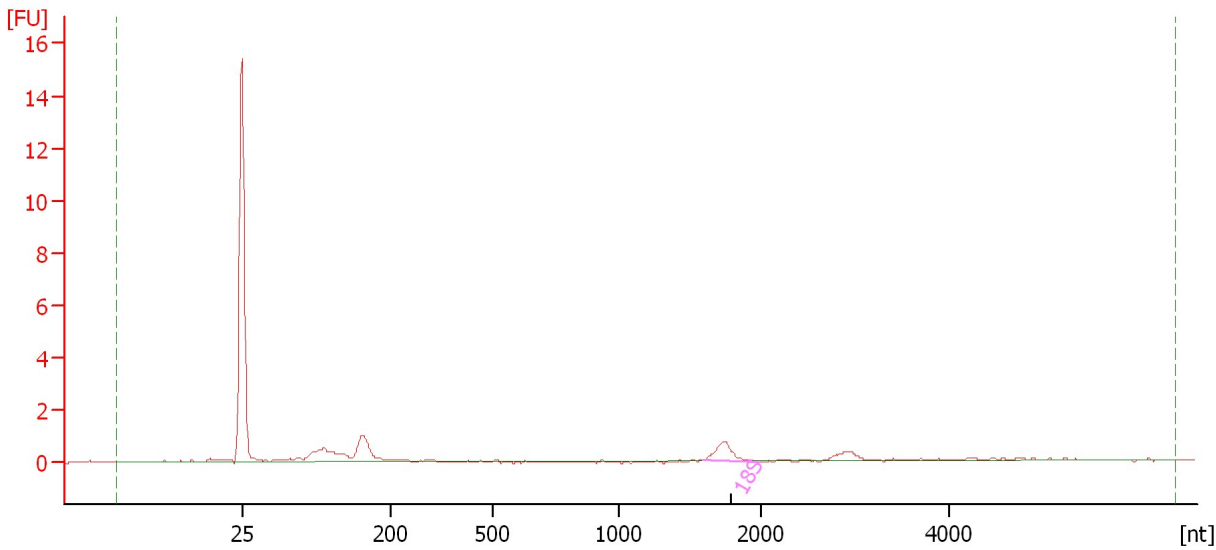


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**Electropherogram Summary Continued ...**

J5 6d endosperm



**Overall Results for sample 5 : J5 6d endosperm**

RNA Area:	8.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	41 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 5 : J5 6d endosperm**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	1,979	1.5	16.5

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**Gel Image**

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**Invalid Samples**

Sample 6 has not been run, no results available.

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.