

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2018-03-02\2018-03-02\_002\_QC243\_2of2.xad

Created: 3/2/2018 1:31:13 PM  
Modified: 3/2/2018 1:54:05 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

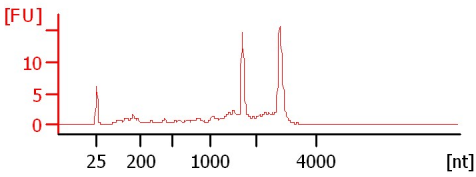
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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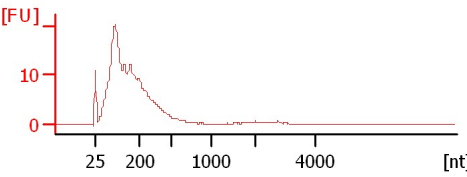
Chip Information:

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

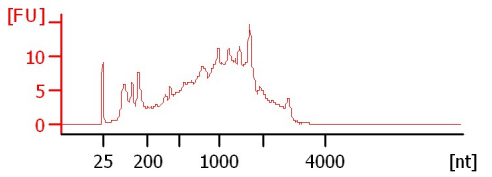
**JS 21 5 (1:5)**  
QC243  
RIN: 7.40



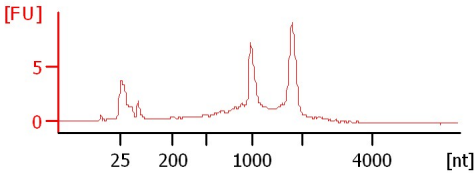
**JS 04 7 (1:8)**  
QC243  
RIN: 2.40



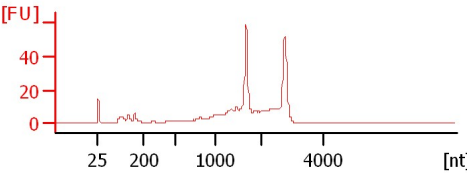
**JS 54 8 (1:7)**  
QC243  
RIN: 3.50



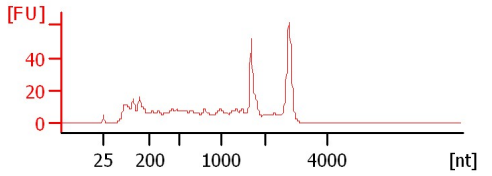
**JS 03 9**  
QC243  
RIN: 5.90



**JS 19 10 (1:10)**  
QC243  
RIN: 7.40



**JS 40 11 (1:5)**  
QC243  
RIN: 6.70



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

Sample Name	Sample Comment	Status	Result Label	Result Color
JS 21 5 (1:5)	QC243	✓	RIN: 7.40	
JS 04 7 (1:8)	QC243	✓	RIN: 2.40	
JS 54 8 (1:7)	QC243	✓	RIN: 3.50	
JS 03 9	QC243	✓	RIN: 5.90	
JS 19 10 (1:10)	QC243	✓	RIN: 7.40	
JS 40 11 (1:5)	QC243	✓	RIN: 6.70	
Ladder		✓	All Other Samples	

**Chip Lot #**

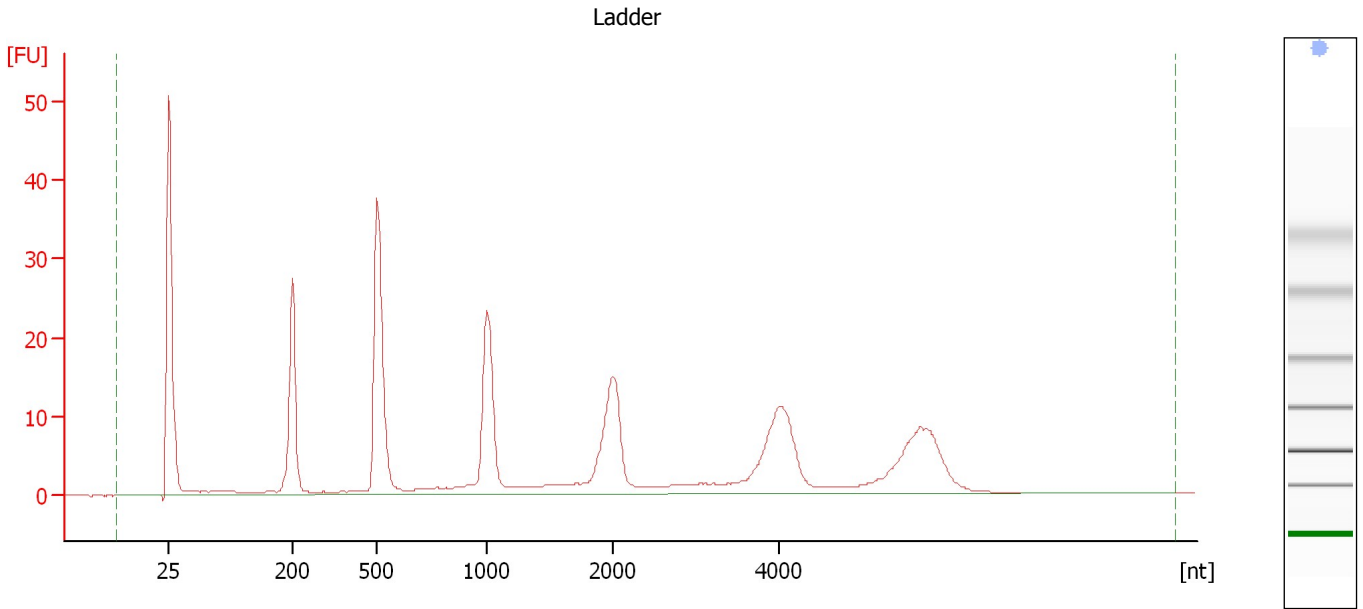
**Reagent Kit Lot #**

**Chip Comments :**

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**Electropherogram Summary**



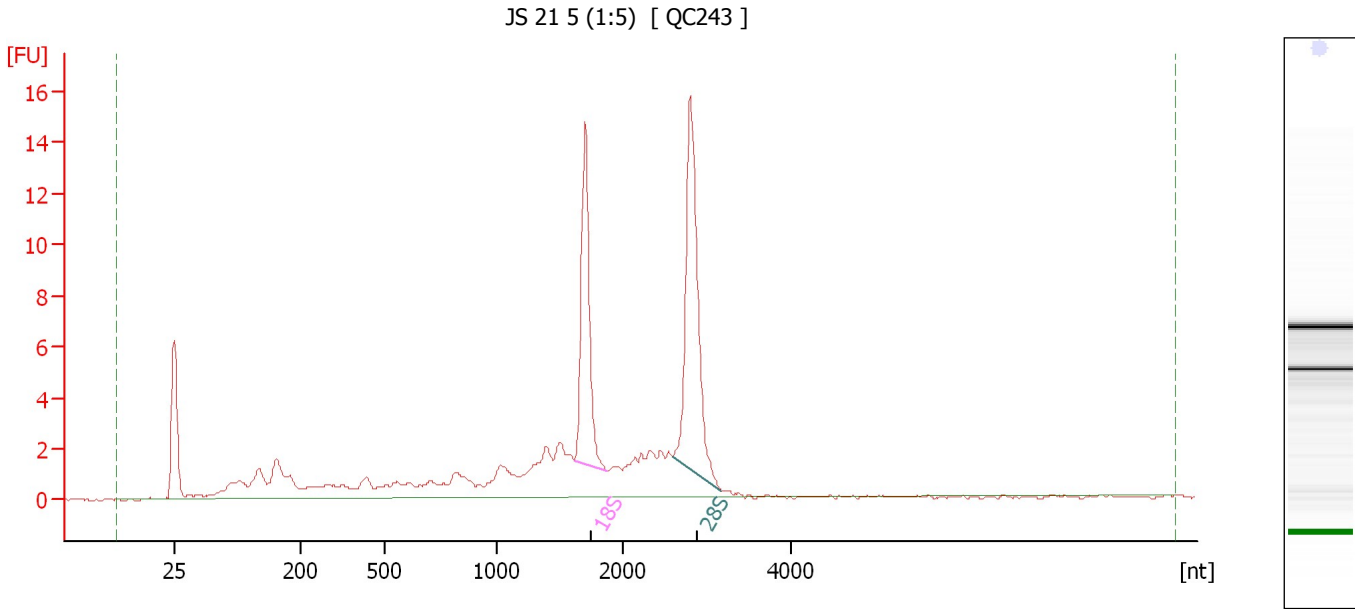
**Overall Results for Ladder**

RNA Area: 276.5      Result Flagging Color:   
RNA Concentration: 1,000 pg/μl      Result Flagging Label: All Other Samples

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JS 21 5 (1:5)**

RNA Area:	94.1	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	340 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]:	1.5	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 1 : JS 21 5 (1:5)**

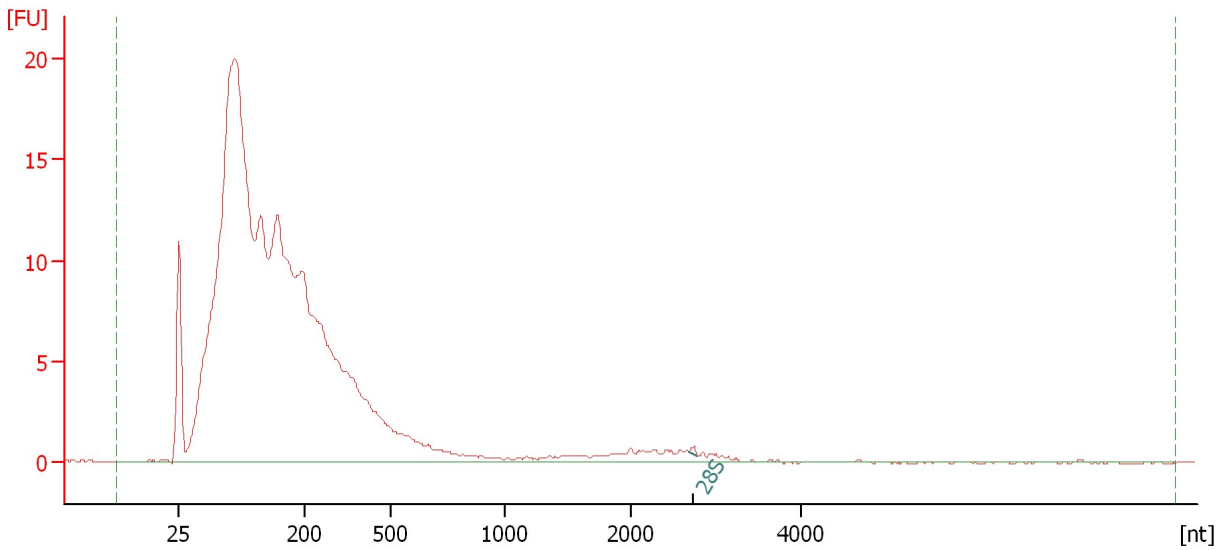
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	1,875	13.5	14.3
28S	2,599	3,169	19.9	21.2

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**Electropherogram Summary Continued ...**

JS 04 7 (1:8) [ QC243 ]



**Overall Results for sample 2 : JS 04 7 (1:8)**

RNA Area:	309.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,120 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: 2.40

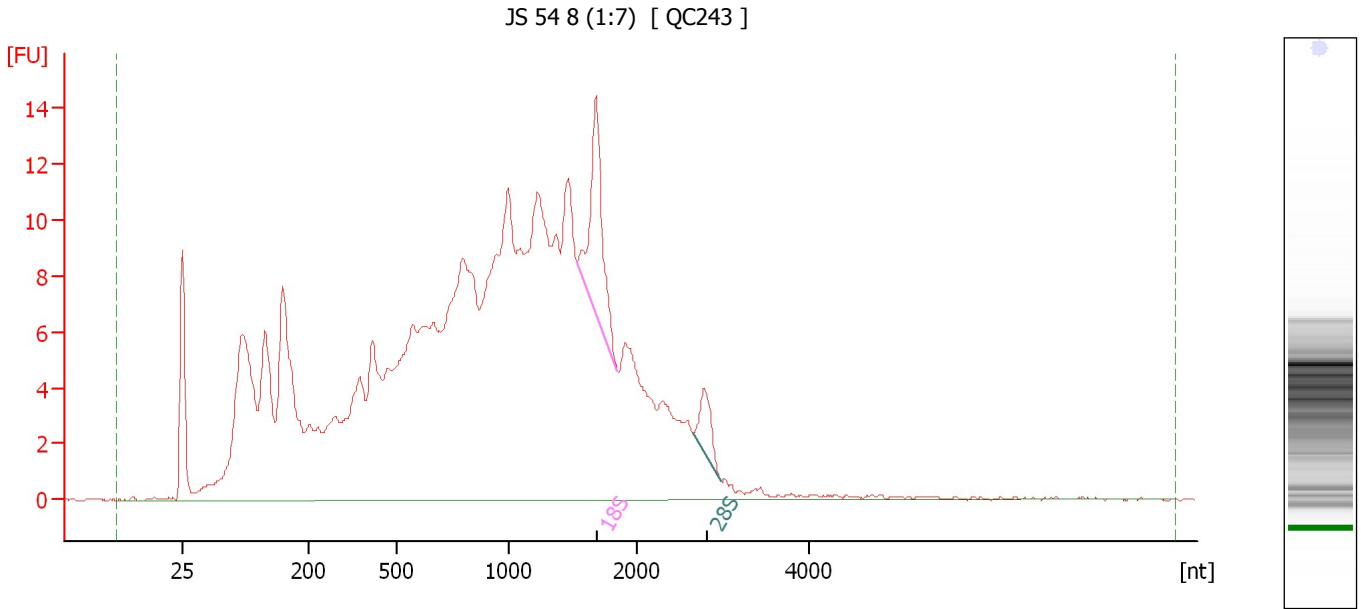
**Fragment table for sample 2 : JS 04 7 (1:8)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,672	2,772	0.2	0.1

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JS 54 8 (1:7)**

RNA Area:	378.7	RNA Integrity Number (RIN):	3.5 (B.02.08)
RNA Concentration:	1,370 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: 3.50

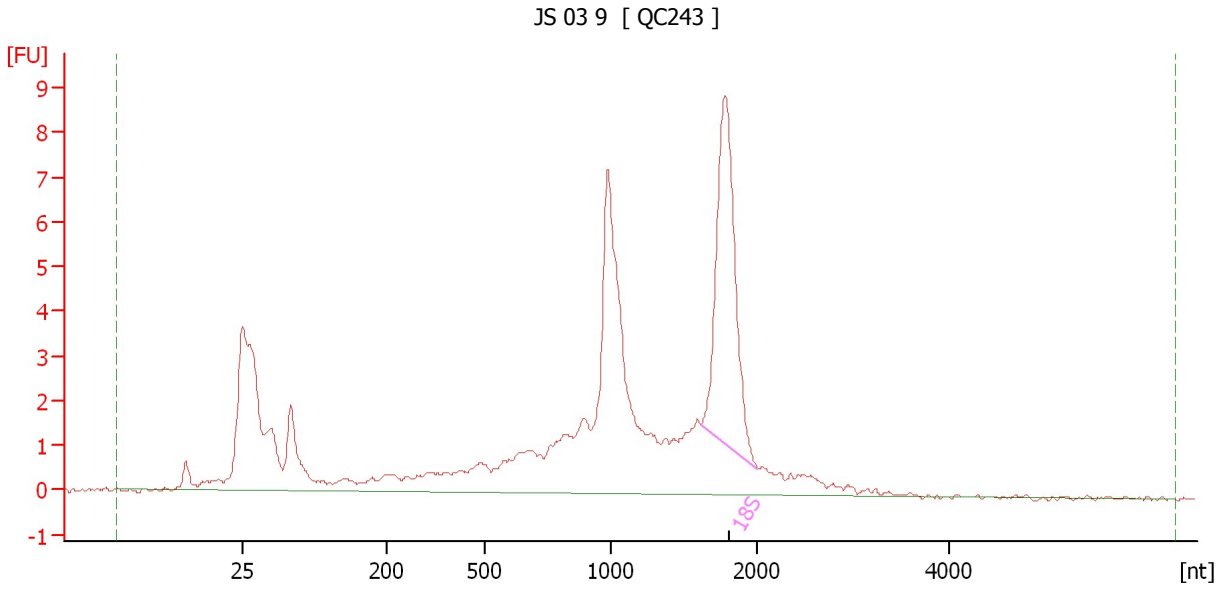
**Fragment table for sample 3 : JS 54 8 (1:7)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,839	11.5	3.0
28S	2,644	2,969	3.0	0.8

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JS 03 9**

RNA Area:	81.8	RNA Integrity Number (RIN):	5.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	296 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: 5.90

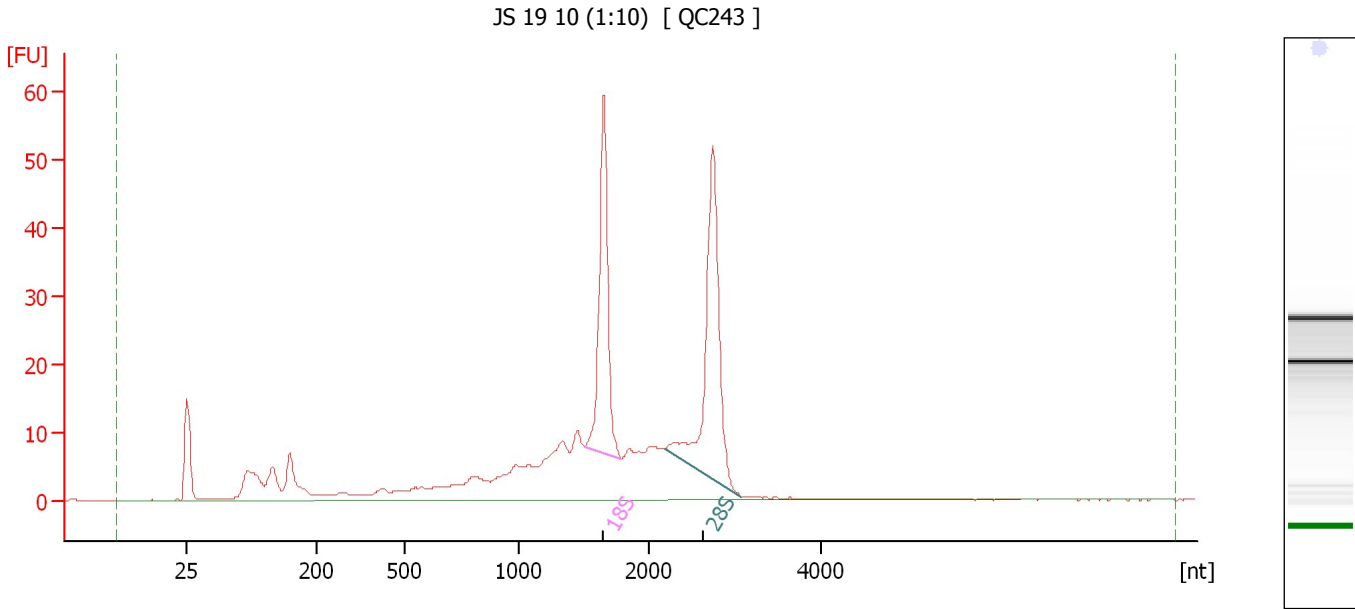
**Fragment table for sample 4 : JS 03 9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	2,008	16.3	20.0

Assay Class: Eukaryote Total RNA Pico  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JS 19 10 (1:10)**

RNA Area:	373.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,351 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]:	1.3	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 5 : JS 19 10 (1:10)**

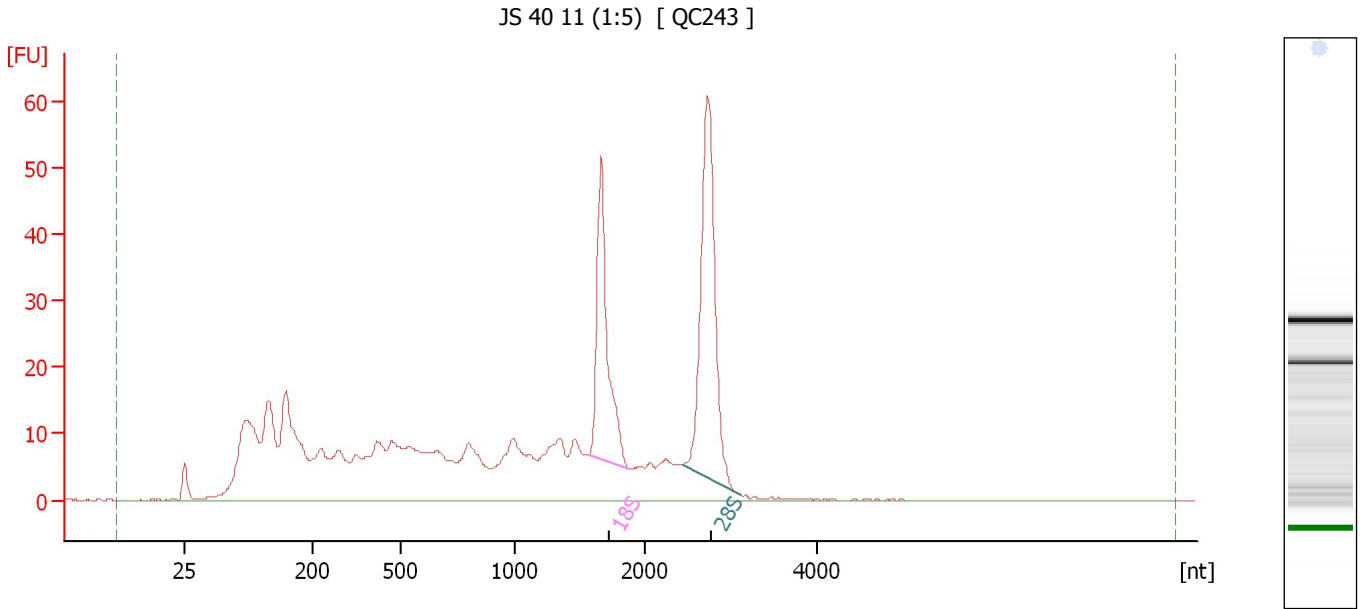
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,793	57.6	15.4
28S	2,184	3,072	74.2	19.9



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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : JS 40 11 (1:5)**

RNA Area: 641.8                      RNA Integrity Number (RIN): 6.7 (B.02.08)  
RNA Concentration: 2,321 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6                      Result Flagging Label: RIN: 6.70

**Fragment table for sample 6 : JS 40 11 (1:5)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,891	58.8	9.2
28S	2,444	3,125	91.5	14.3

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**Gel Image**