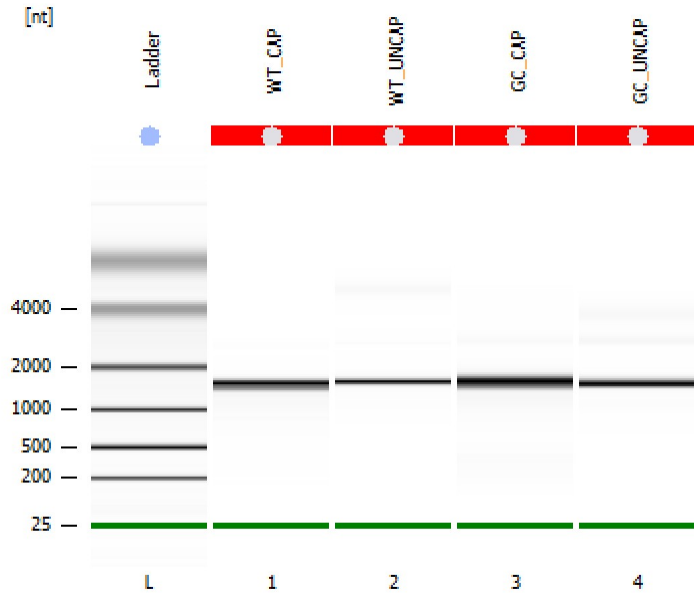


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
Modified: 2/9/2023 10:23:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

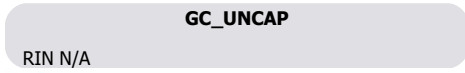
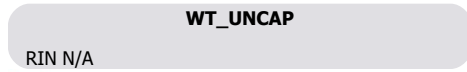
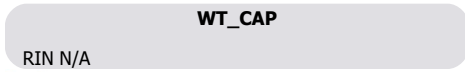
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
 Modified: 2/9/2023 10:23:14 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
WT_CAP		✓	RIN N/A	
WT_UNCAP		✓	RIN N/A	
GC_CAP		✓	RIN N/A	
GC_UNCAP		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
Modified: 2/9/2023 10:23:14 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

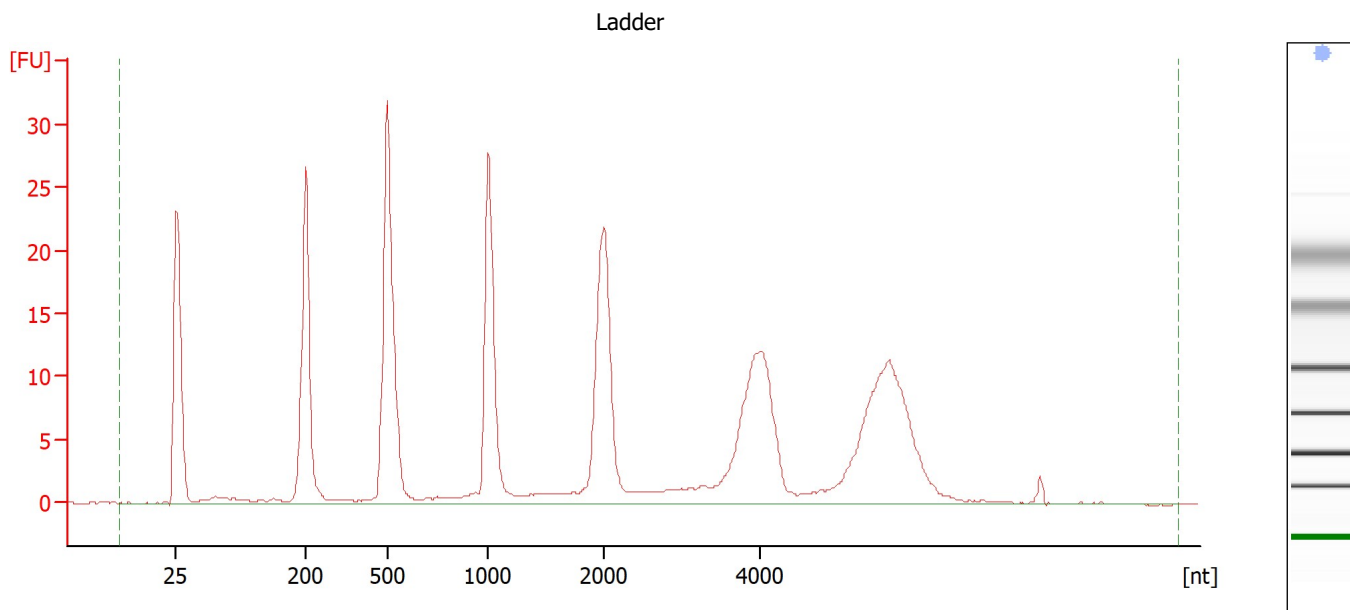
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
Modified: 2/9/2023 10:23:14 PM

**Electropherogram Summary**



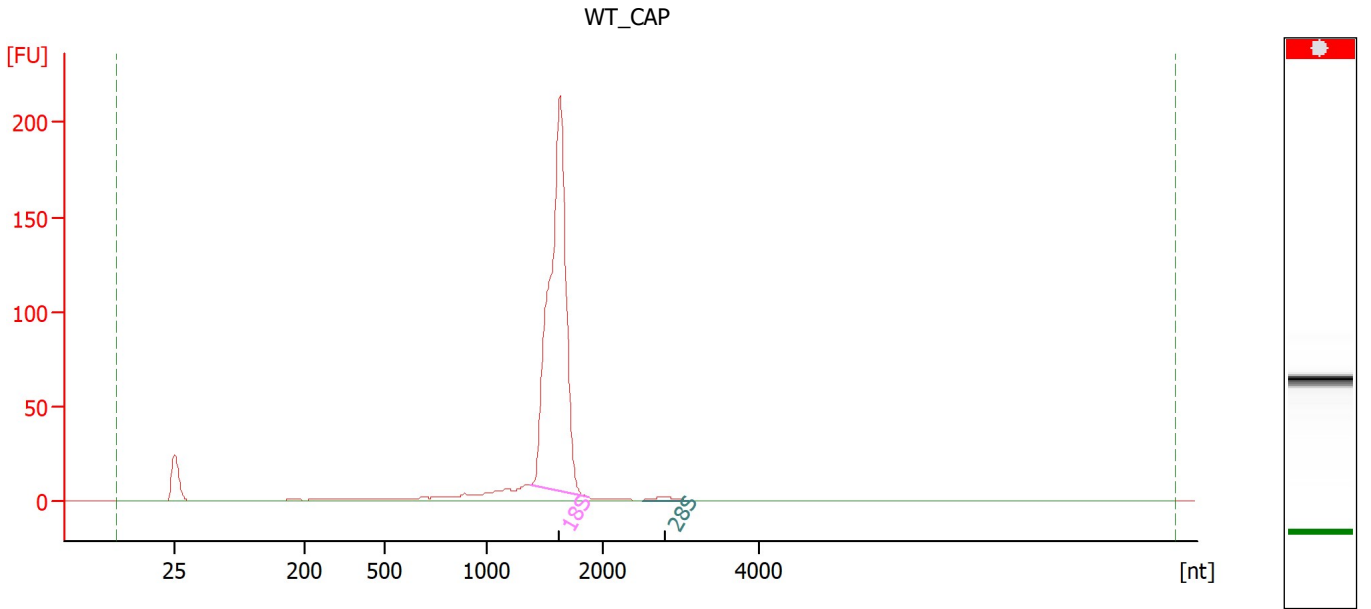
**Overall Results for Ladder**

RNA Area:	302.0	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:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
Modified: 2/9/2023 10:23:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : WT\_CAP**

RNA Area:	606.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	301 ng/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

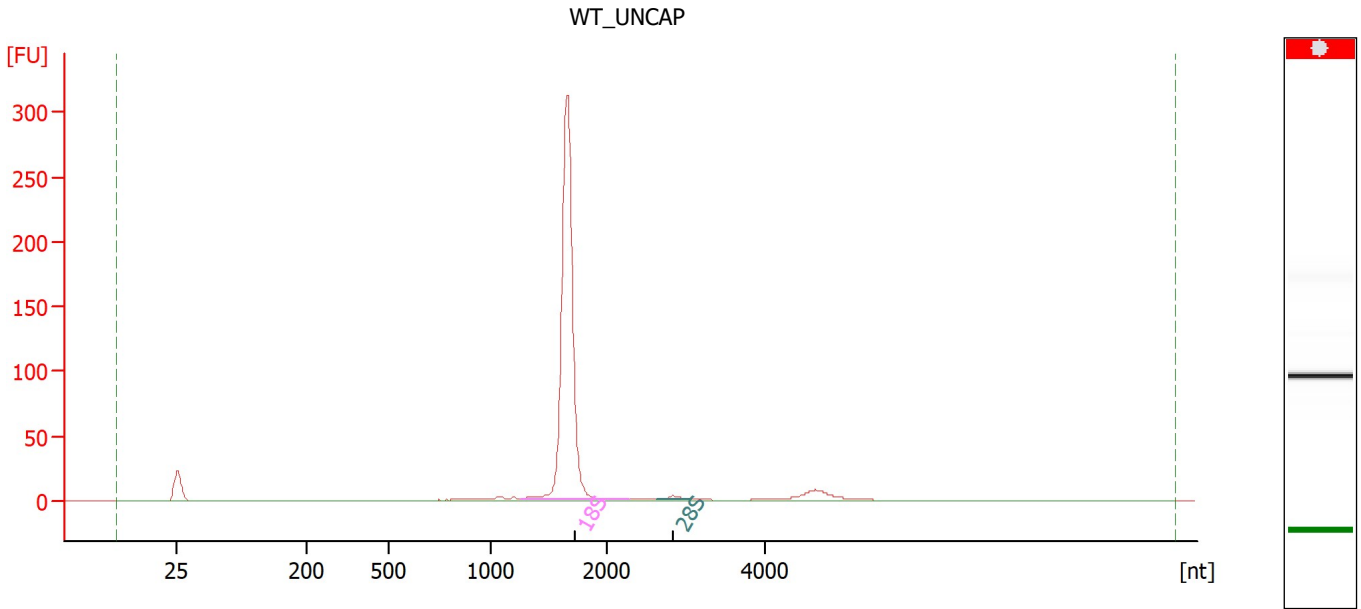
**Fragment table for sample 1 : WT\_CAP**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,372	1,871	469.4	77.4
28S	2,520	3,094	3.8	0.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
 Modified: 2/9/2023 10:23:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : WT\_UNCAP**

RNA Area:	537.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	267 ng/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

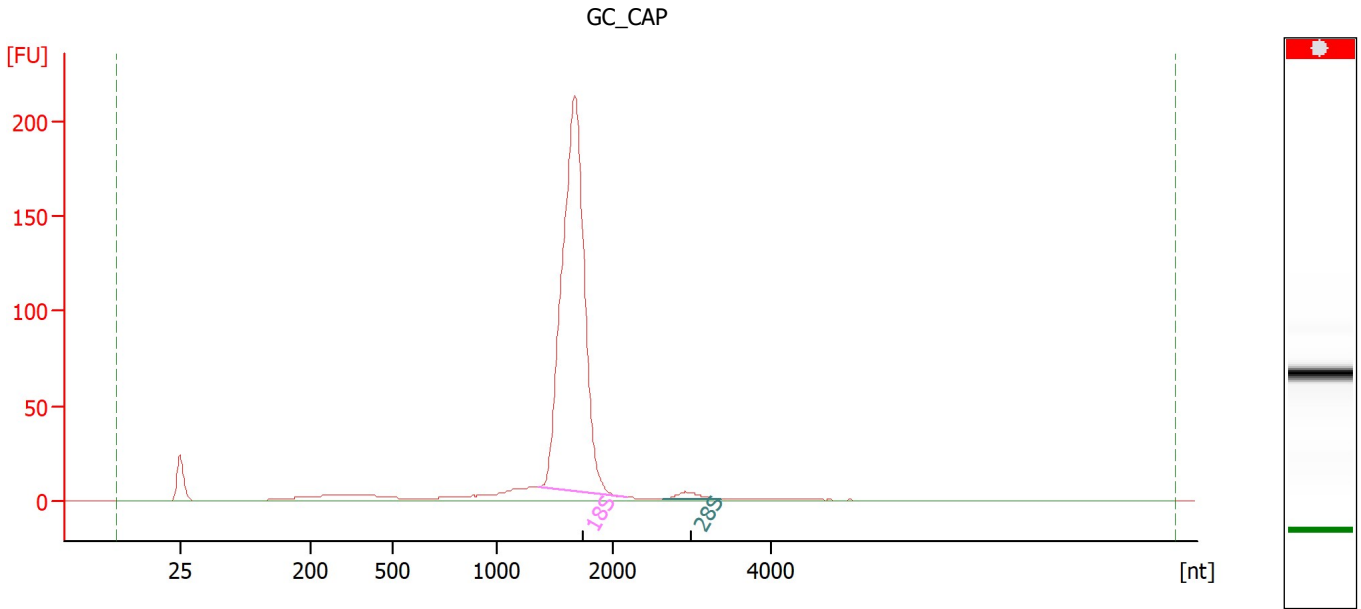
**Fragment table for sample 2 : WT\_UNCAP**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,257	2,276	440.9	82.1
28S	2,643	3,065	3.5	0.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
 Modified: 2/9/2023 10:23:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : GC\_CAP**

RNA Area:	792.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	394 ng/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

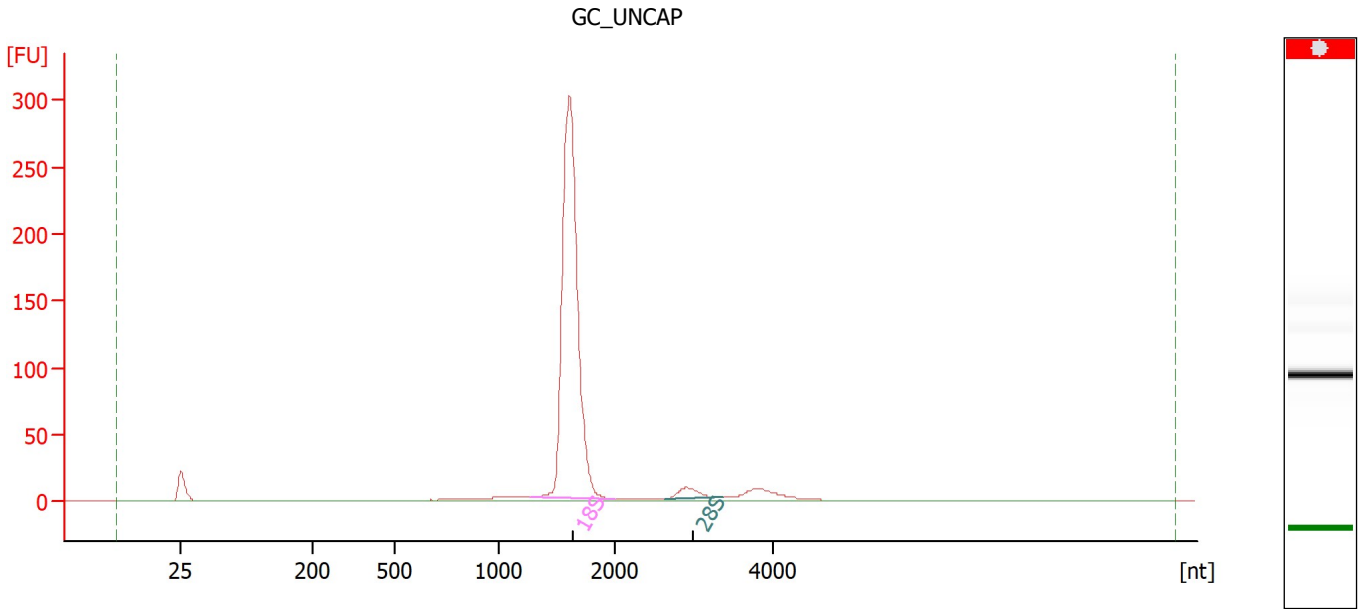
**Fragment table for sample 3 : GC\_CAP**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,356	2,183	615.3	77.6
28S	2,629	3,372	9.5	1.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
 Modified: 2/9/2023 10:23:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : GC\_UNCAP**

RNA Area:	740.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	368 ng/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 4 : GC\_UNCAP**

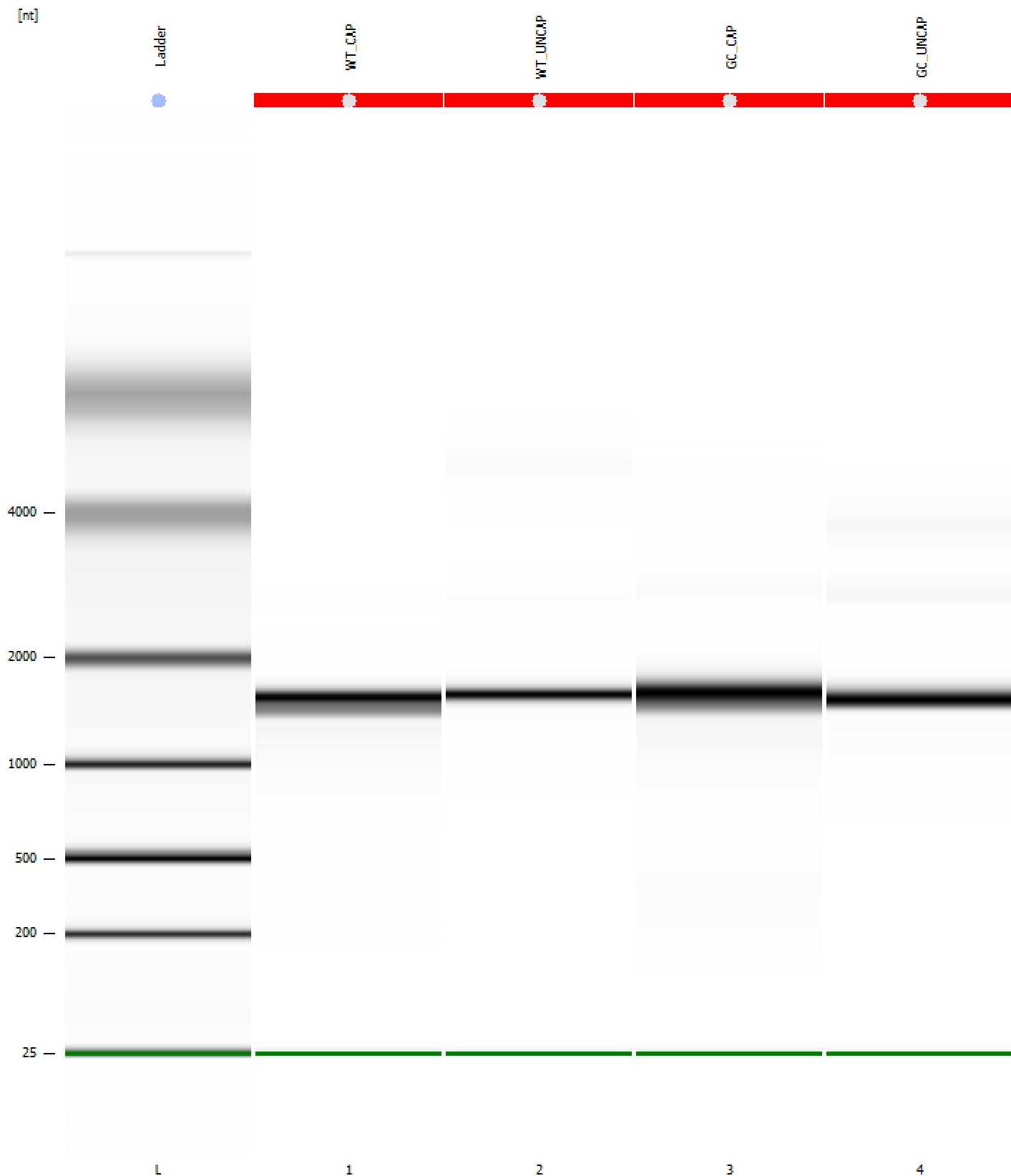
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,286	1,997	603.1	81.4
28S	2,629	3,357	20.2	2.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad

Created: 2/9/2023 9:57:50 PM  
Modified: 2/9/2023 10:23:14 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...er\Desktop\2023-02-09\QC1385\_Pesavento\_Jackson\_2-9-2023.xad  
 Created: 2/9/2023 9:57:50 PM  
 Modified: 2/9/2023 10:23:14 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		2/9/2023 10:10:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-09\Bioanalyzer1_Eukaryote Total RNA Nano_2023-02-09_001.xad)		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/9/2023 9:57:56 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB