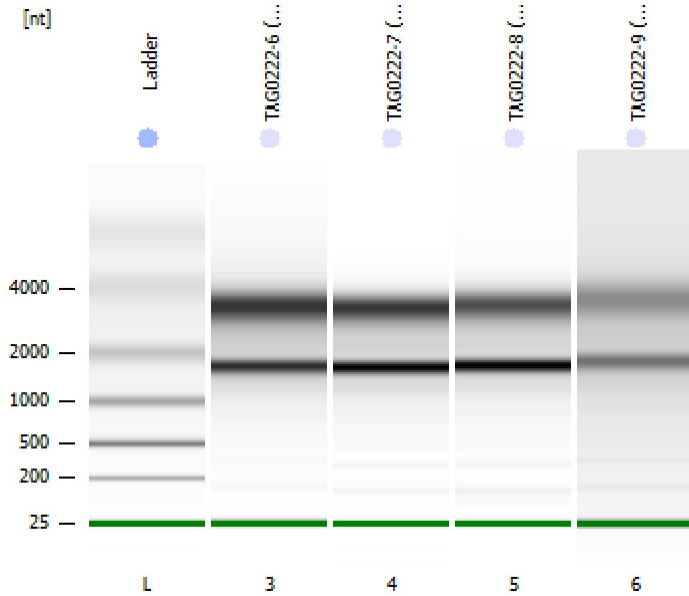


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 PM

Electrophoresis File Run Summary



Instrument Information:

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

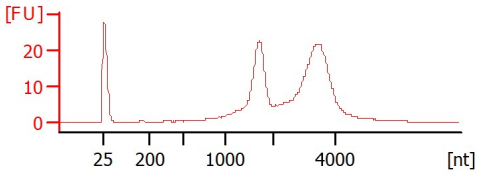
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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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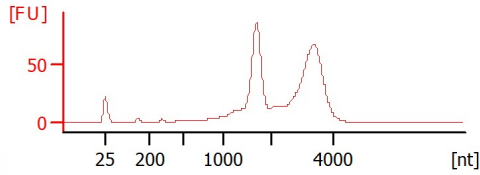
Chip Information:

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

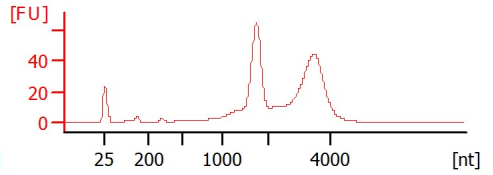
**TAG0222-6 (1:20)**  
CBLKOINF2  
RIN: 10



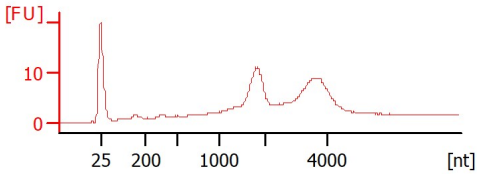
**TAG0222-7 (1:20)**  
SCRUN3  
RIN: 9.50



**TAG0222-8 (1:20)**  
SCRINF3  
RIN: 9.90



**TAG0222-9 (1:20)**  
CBLKOINF3  
RIN: 8.40



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0222-6 (1:20)	CBLKOINF2	✓	RIN:10	
TAG0222-7 (1:20)	SCRUN3	✓	RIN: 9.50	
TAG0222-8 (1:20)	SCRINF3	✓	RIN: 9.90	
TAG0222-9 (1:20)	CBLKOINF3	✓	RIN: 8.40	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 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

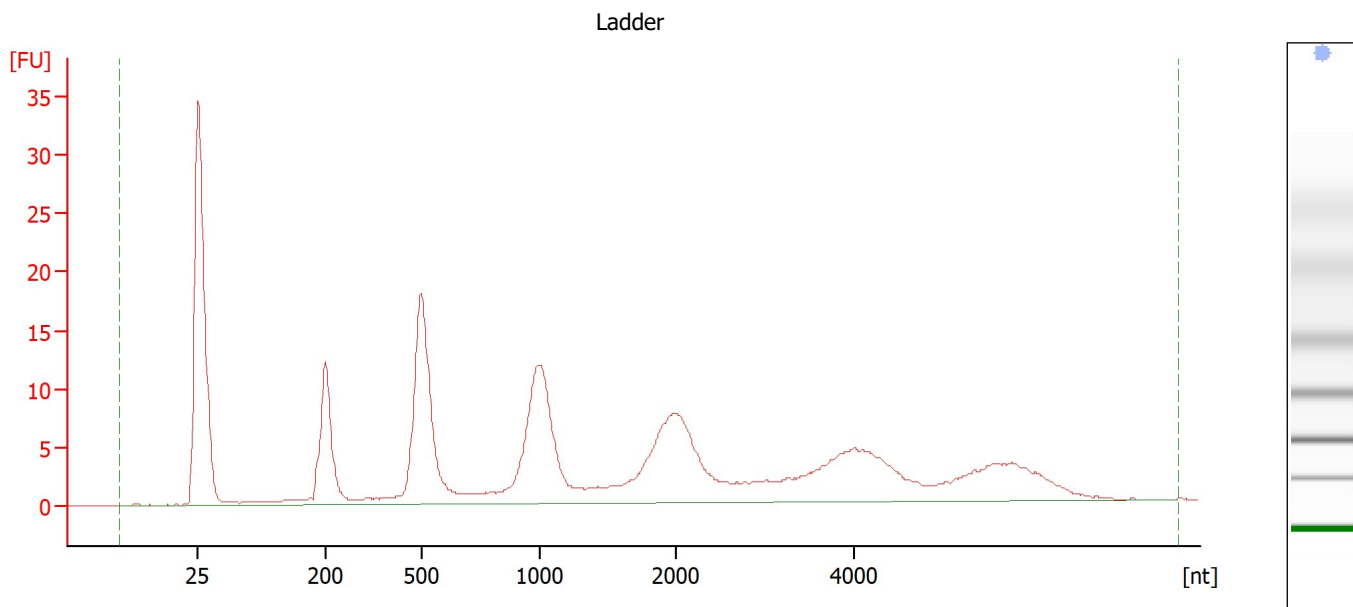
### Ladder

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 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 PM

**Electropherogram Summary**



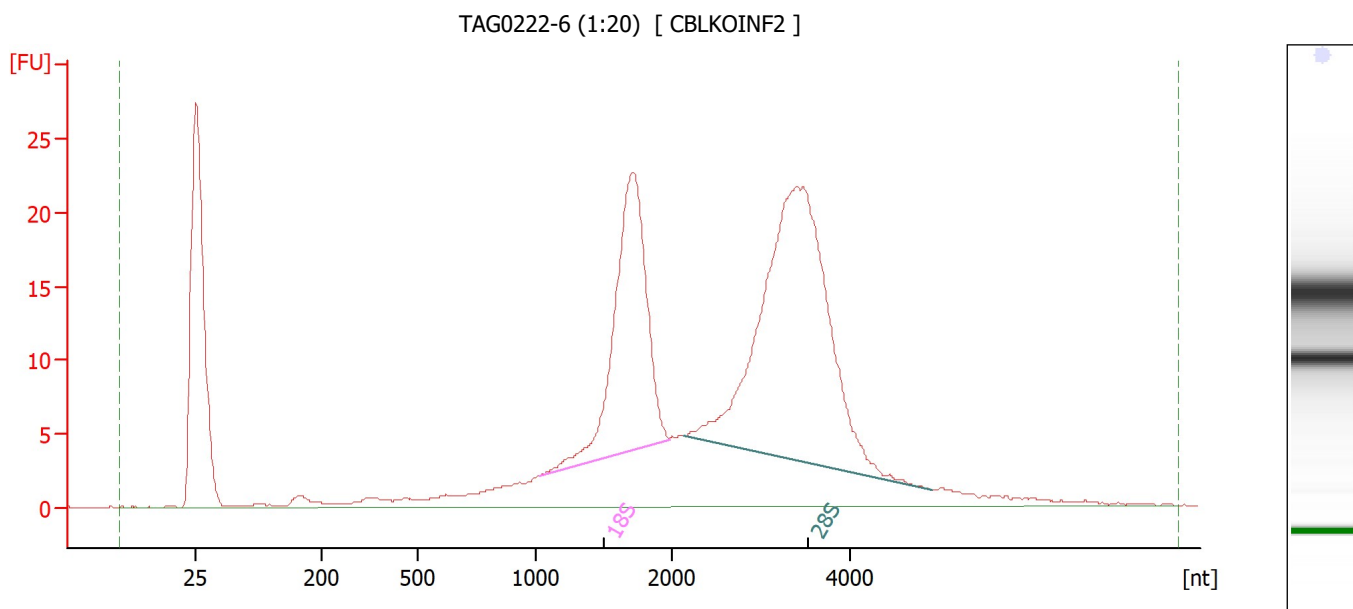
**Overall Results for Ladder**

RNA Area:	254.4	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

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
 Modified: 8/4/2023 4:04:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : TAG0222-6 (1:20)**

RNA Area:	369.0	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,450 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]:	1.8	Result Flagging Label:	RIN:10

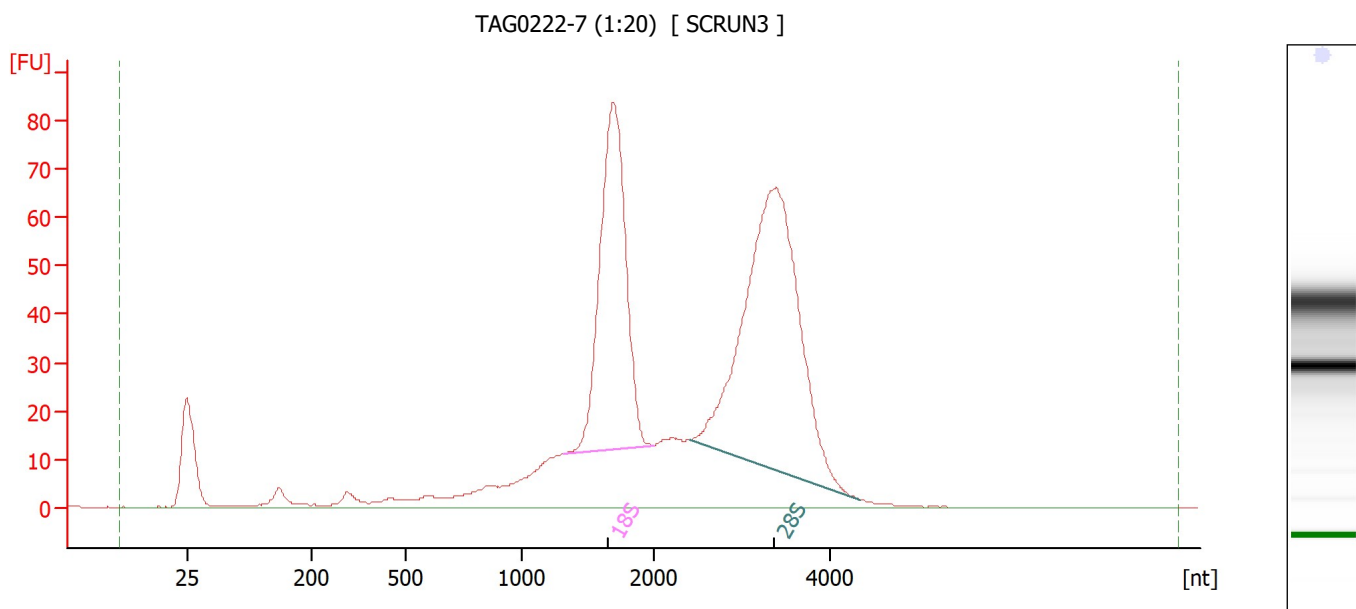
**Fragment table for sample 3 : TAG0222-6 (1:20)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,018	1,983	75.1	20.4
28S	2,143	4,934	135.4	36.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
 Modified: 8/4/2023 4:04:18 PM

### Electropherogram Summary Continued ...



#### Overall Results for sample 4 : TAG0222-7 (1:20)

RNA Area:	1,019.6	RNA Integrity Number (RIN):	9.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,007 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: 9.50

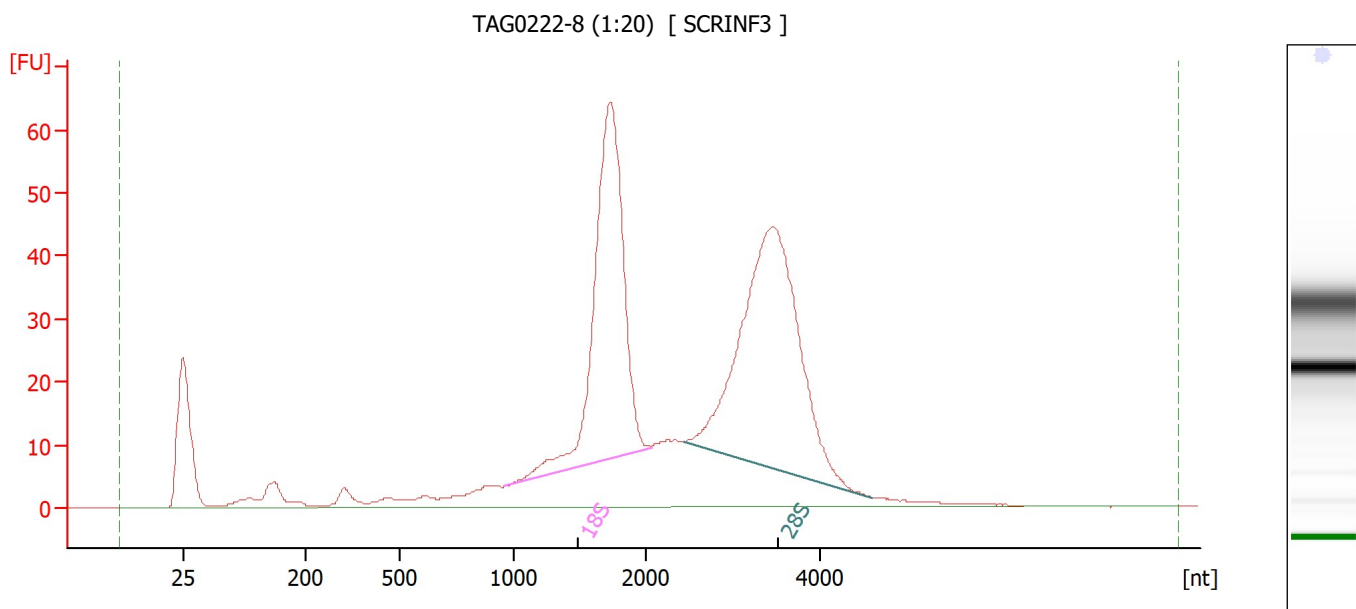
#### Fragment table for sample 4 : TAG0222-7 (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,313	1,989	236.6	23.2
28S	2,411	4,345	354.1	34.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
 Modified: 8/4/2023 4:04:18 PM

### Electropherogram Summary Continued ...



#### Overall Results for sample 5 : TAG0222-8 (1:20)

RNA Area:	775.8	RNA Integrity Number (RIN):	9.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,049 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]:	1.2	Result Flagging Label:	RIN: 9.90

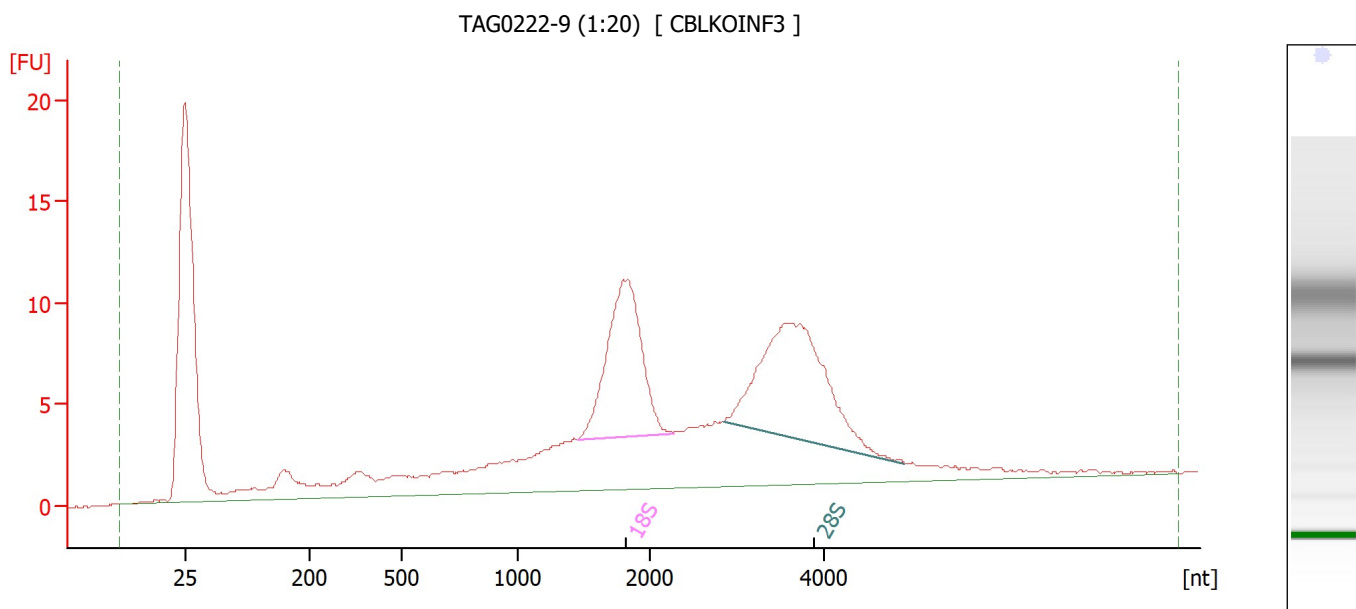
#### Fragment table for sample 5 : TAG0222-8 (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	956	2,055	209.7	27.0
28S	2,438	4,599	244.2	31.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
 Modified: 8/4/2023 4:04:18 PM

### Electropherogram Summary Continued ...



#### Overall Results for sample 6 : TAG0222-9 (1:20)

RNA Area:	212.8	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	837 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]:	1.2	Result Flagging Label:	RIN: 8.40

#### Fragment table for sample 6 : TAG0222-9 (1:20)

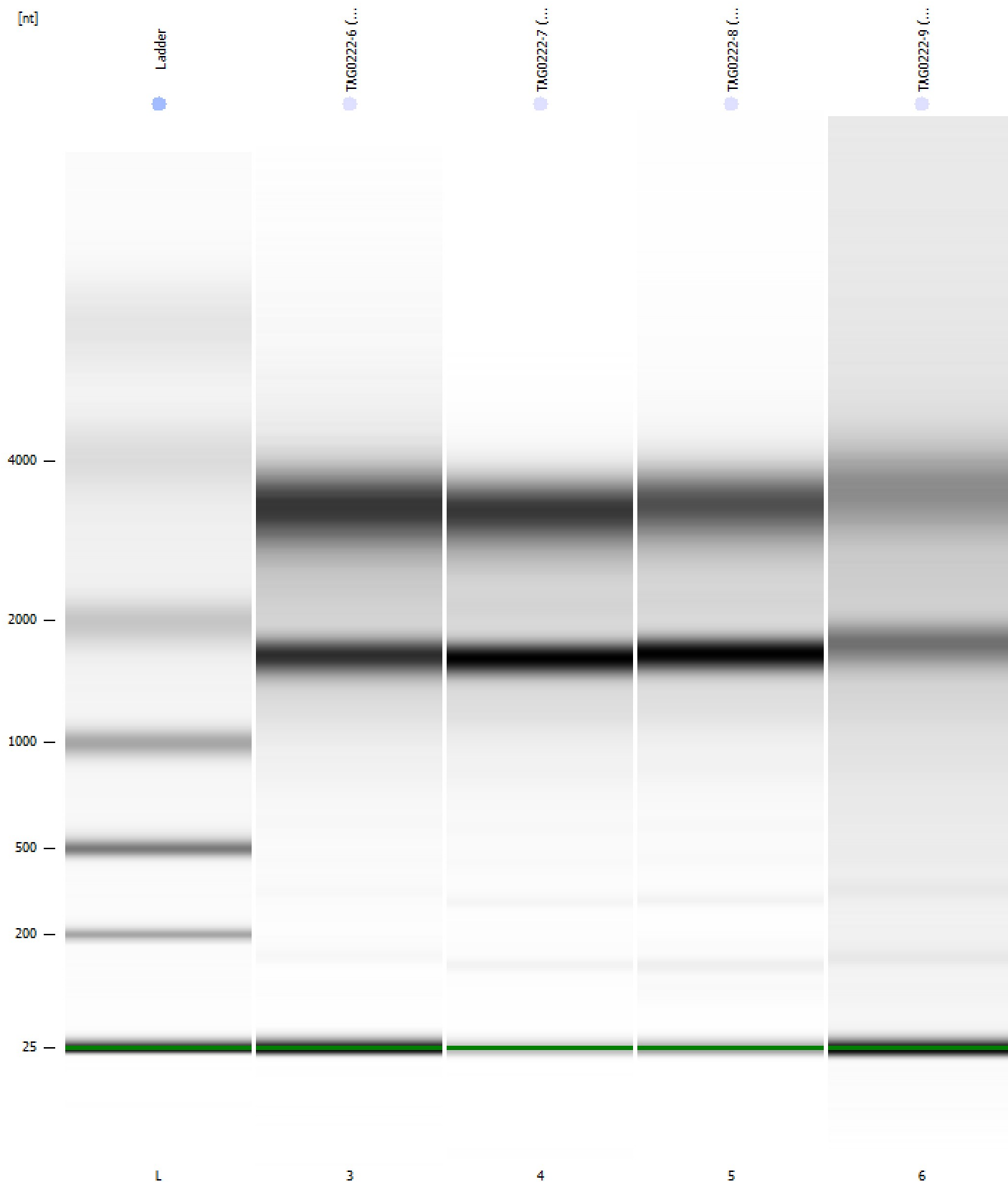
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,446	2,265	33.7	15.9
28S	2,843	4,921	40.8	19.2



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 PM

**Gel Image**

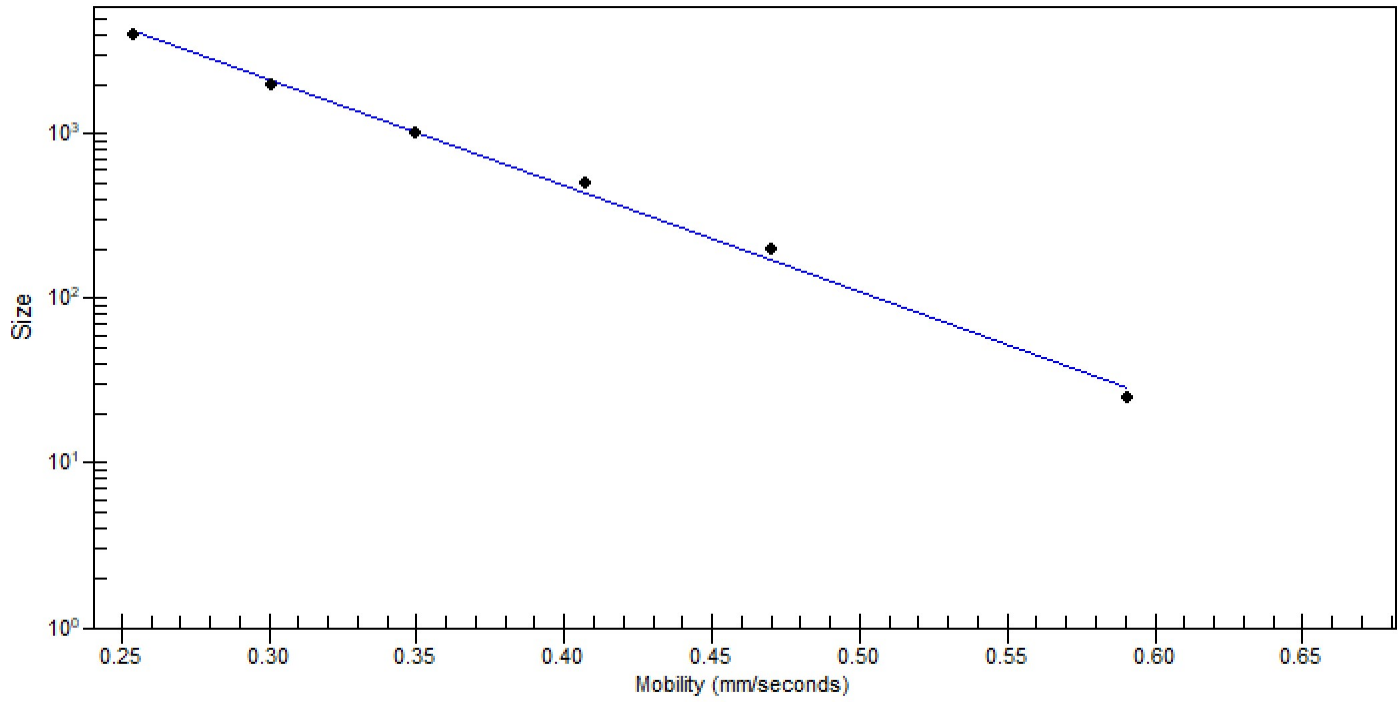


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
Modified: 8/4/2023 4:04:18 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-08-04\TAG0222\_6-9.xad

Created: 8/4/2023 3:07:51 PM  
 Modified: 8/4/2023 4:04:18 PM

### Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		8/4/2023 3:30:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-08-04\Bioan_GA_080223_Eukaryote Total RNA Pico_DE34903152_2023-08-04_Product Number : G2938C		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/4/2023 3:07:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB