

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
Modified: 3/5/2024 5:02:15 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)

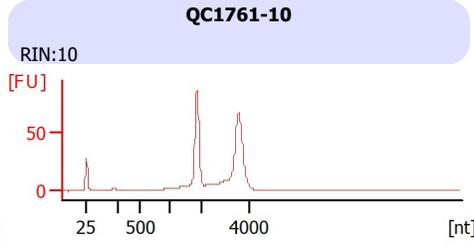
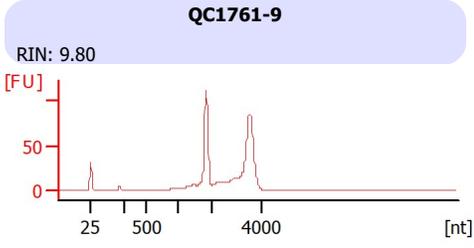
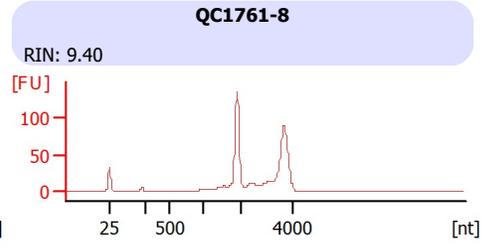
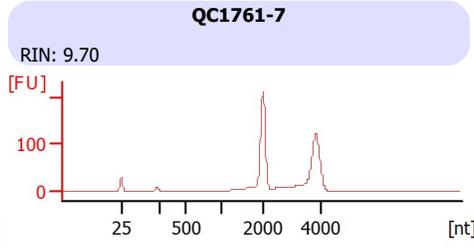
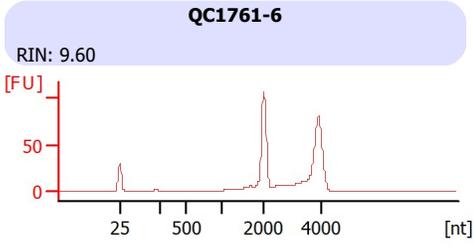
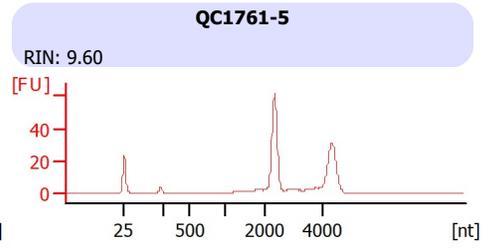
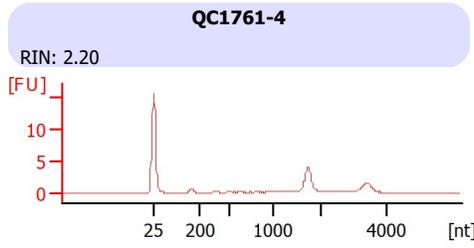
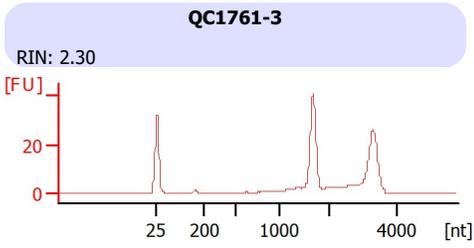
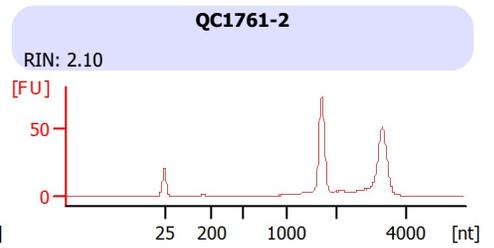
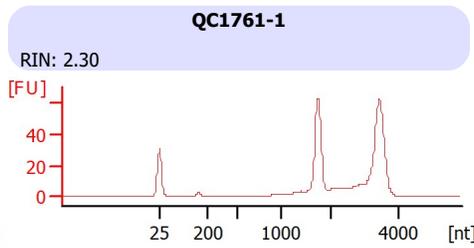
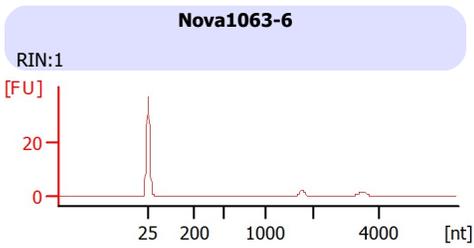
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1063-6		✓	RIN:1	
QC1761-1		✓	RIN: 2.30	
QC1761-2		✓	RIN: 2.10	
QC1761-3		✓	RIN: 2.30	
QC1761-4		✓	RIN: 2.20	
QC1761-5		✓	RIN: 9.60	
QC1761-6		✓	RIN: 9.60	
QC1761-7		✓	RIN: 9.70	
QC1761-8		✓	RIN: 9.40	
QC1761-9		✓	RIN: 9.80	
QC1761-10		✓	RIN:10	
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

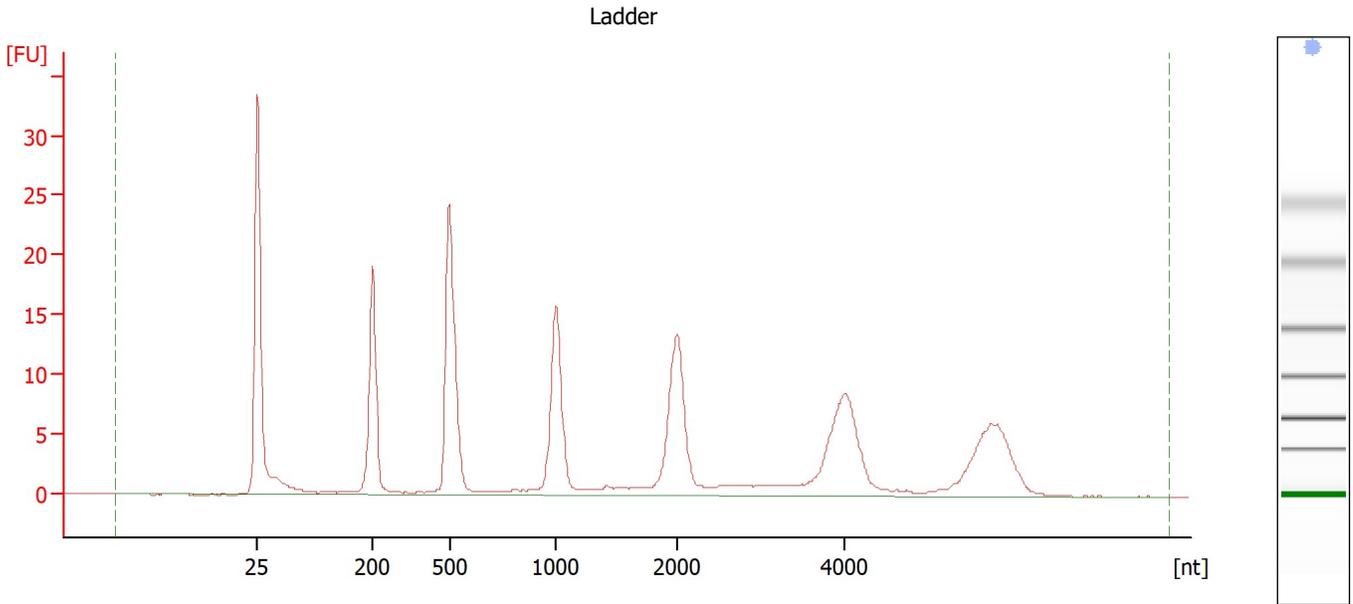
**Ladder**

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

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**Electropherogram Summary**



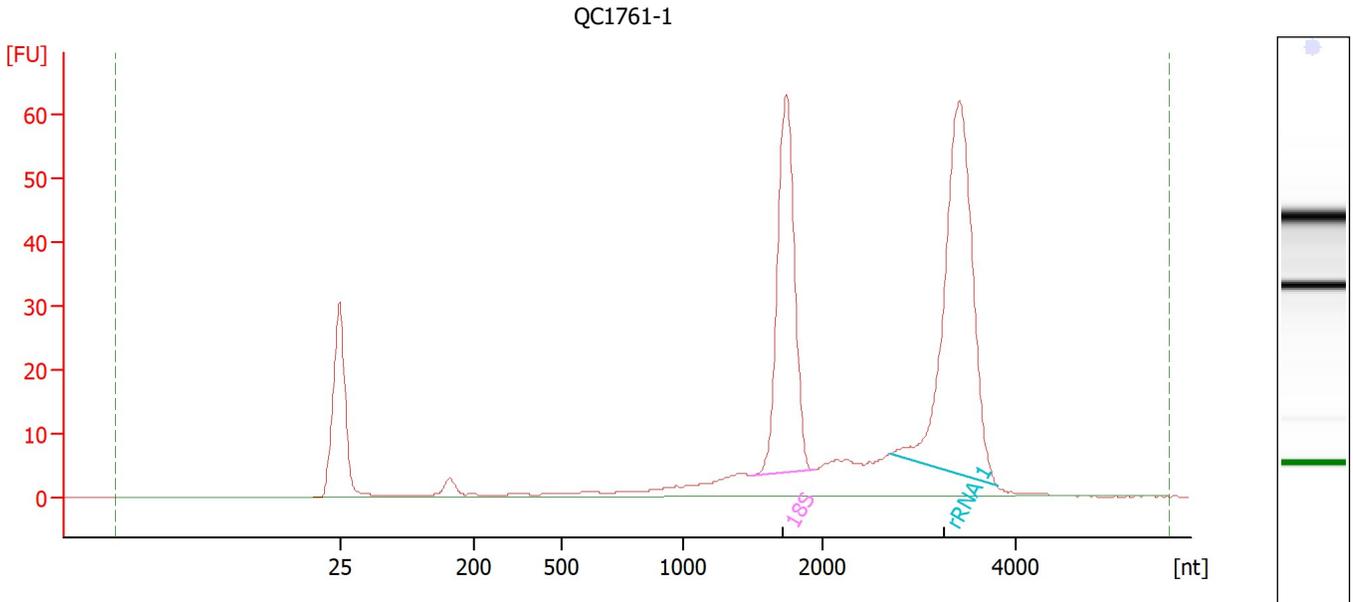
**Overall Results for Ladder**

RNA Area:	181.5	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 2 : QC1761-1**

RNA Area:	399.9	RNA Integrity Number (RIN):	2.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,203 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 2.30

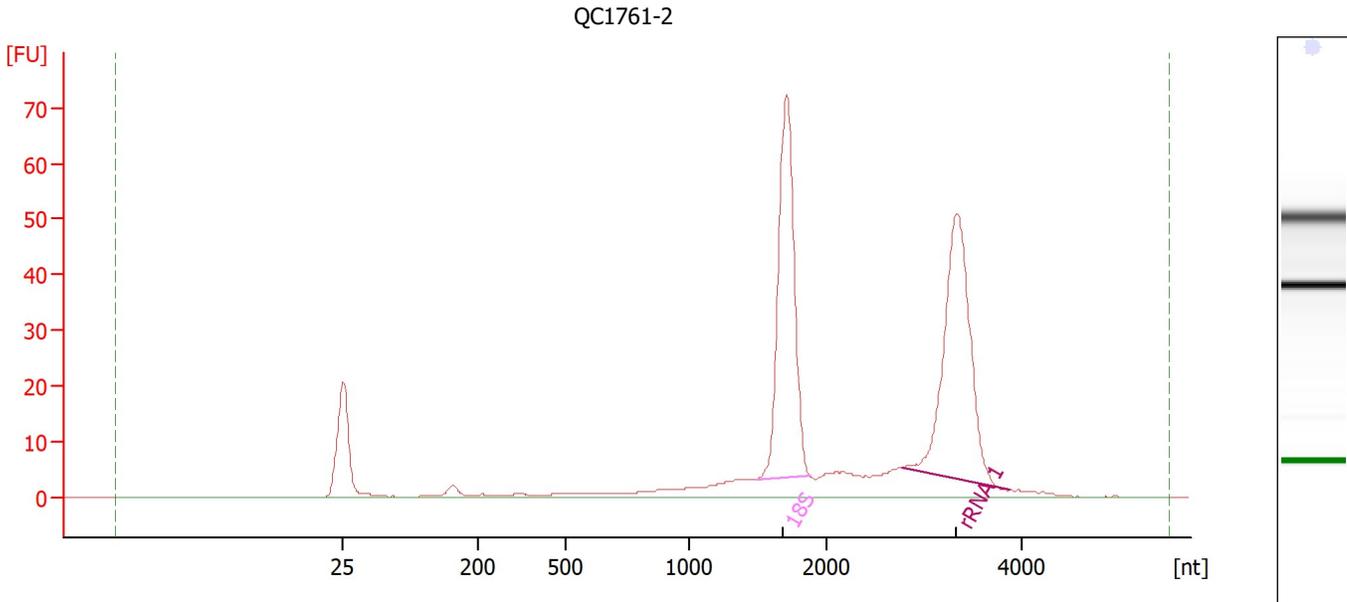
**Fragment table for sample 2 : QC1761-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,481	1,940	108.0	27.0
rRNA 1	2,710	3,805	152.3	38.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : QC1761-2**

RNA Area:	353.2	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,946 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: 2.10

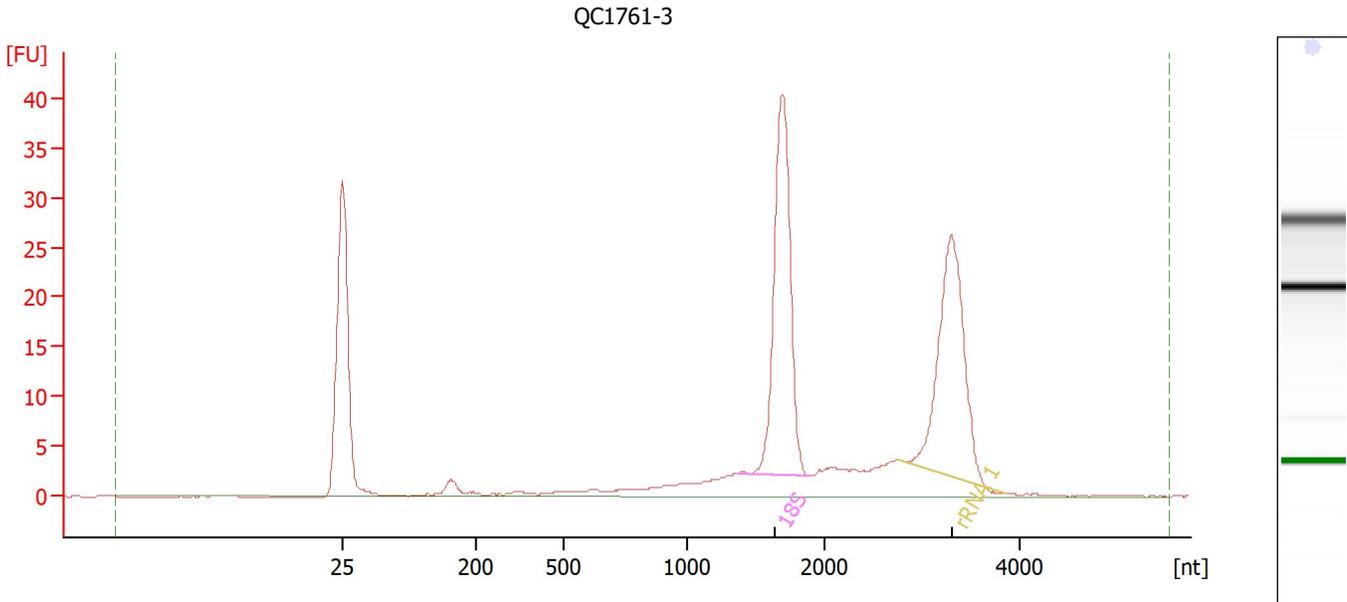
**Fragment table for sample 3 : QC1761-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,872	116.8	33.1
rRNA 1	2,771	3,860	114.6	32.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : QC1761-3**

RNA Area:	203.1	RNA Integrity Number (RIN):	2.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,119 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: 2.30

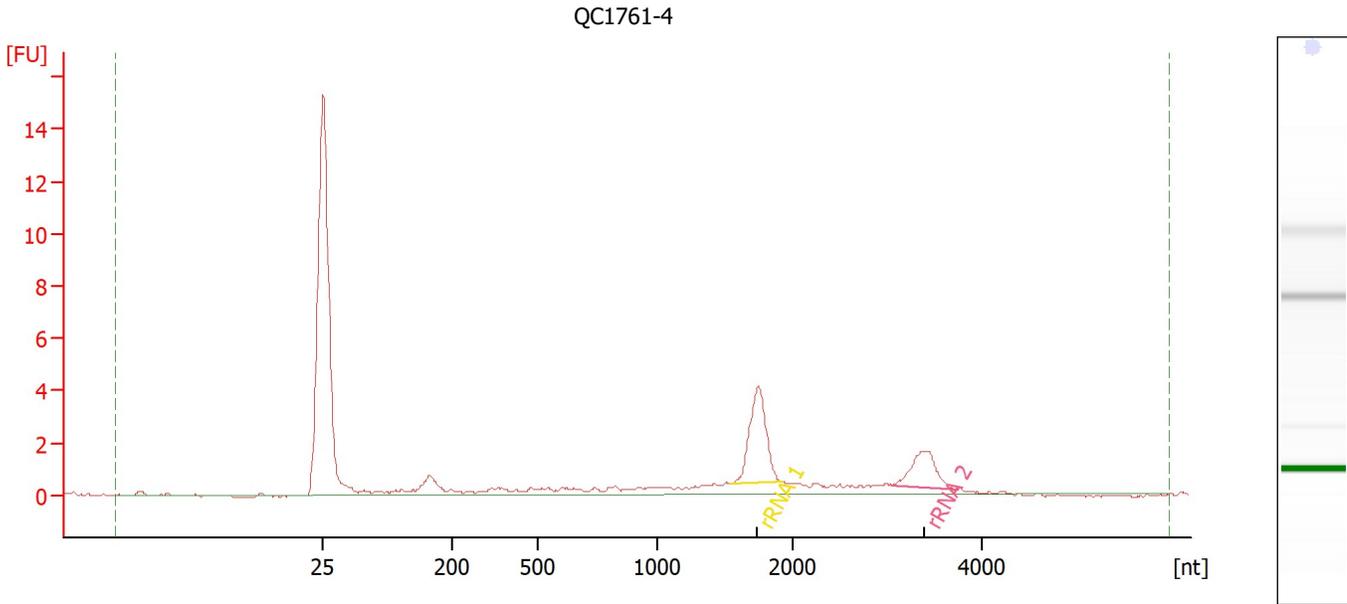
**Fragment table for sample 4 : QC1761-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,370	1,885	66.4	32.7
rRNA 1	2,751	3,842	57.0	28.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : QC1761-4**

RNA Area:	29.6	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	163 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: 2.20

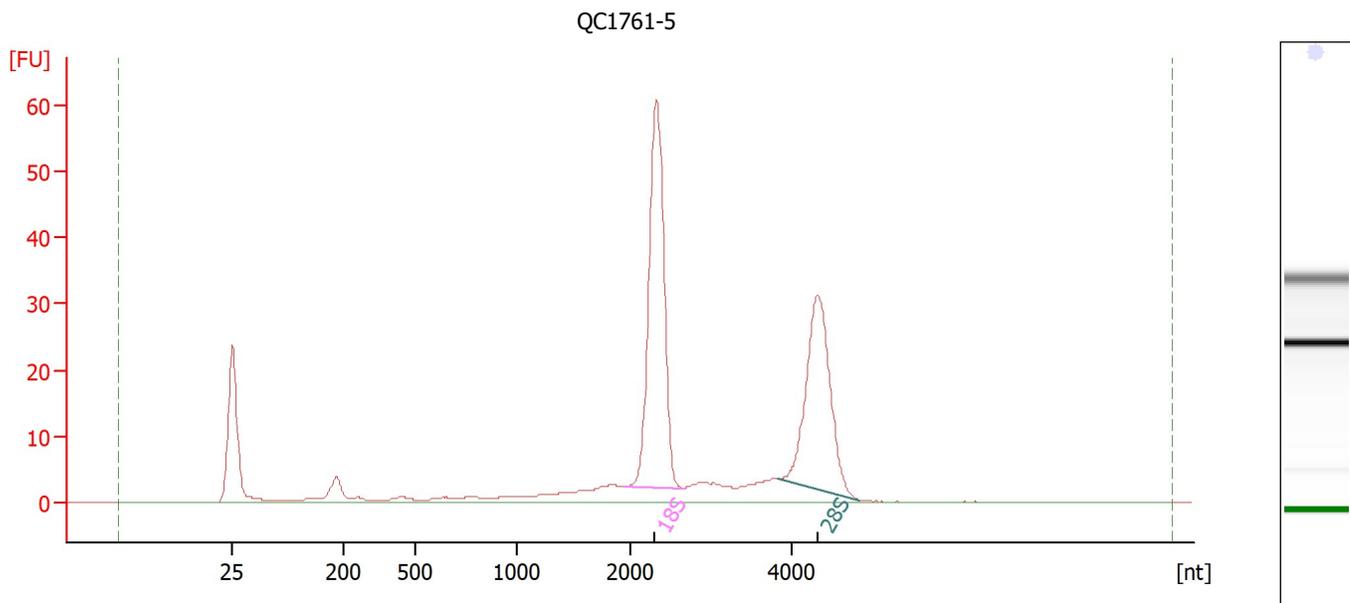
**Fragment table for sample 5 : QC1761-4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA 1	1,541	1,925	6.6	22.3
rRNA 2	3,066	3,758	3.1	10.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1761-5**

RNA Area:	281.2	RNA Integrity Number (RIN):	9.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,549 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]:	0.7	Result Flagging Label:	RIN: 9.60

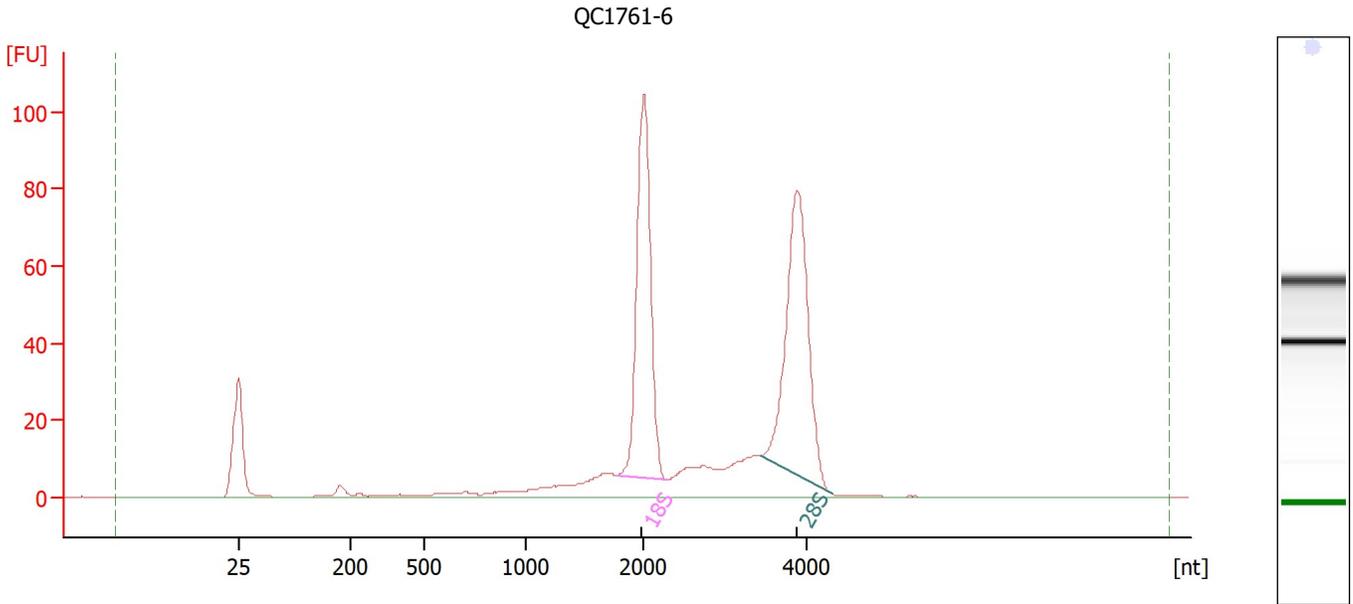
**Fragment table for sample 6 : QC1761-5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,940	2,669	108.3	38.5
28S	3,834	4,853	74.0	26.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1761-6**

RNA Area:	540.3	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	2,976 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]:	1.0	Result Flagging Label:	RIN: 9.60

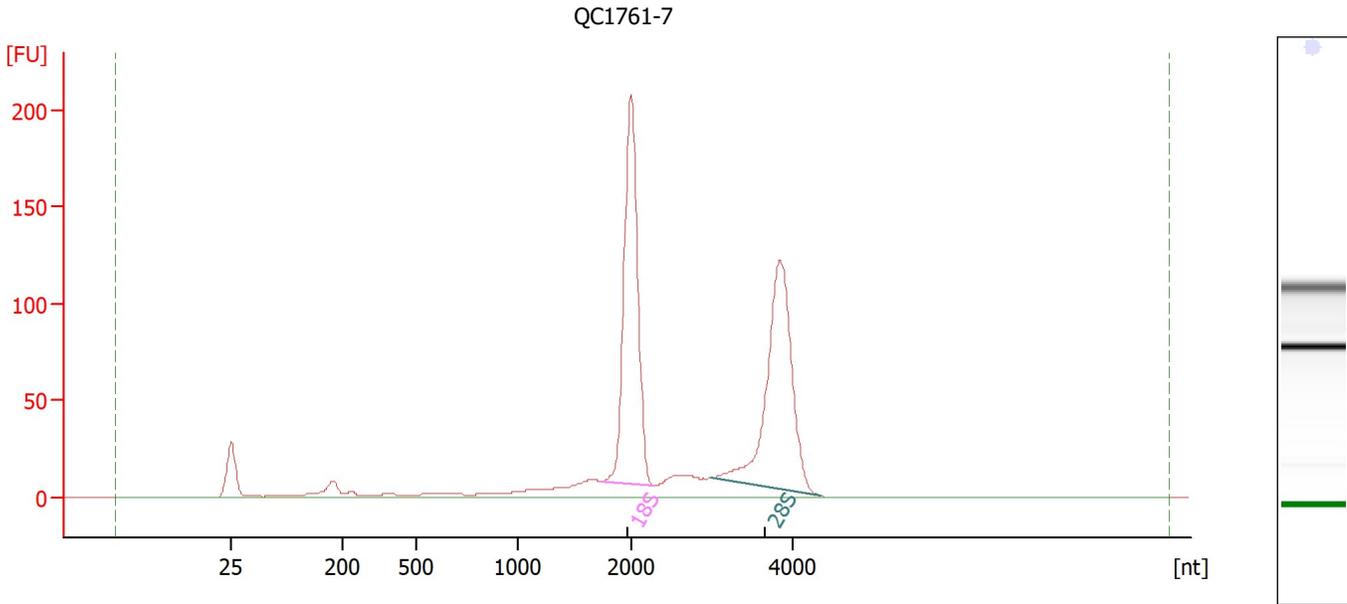
**Fragment table for sample 7 : QC1761-6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,776	2,293	168.8	31.2
28S	3,453	4,313	173.0	32.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1761-7**

RNA Area:	948.6	RNA Integrity Number (RIN):	9.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,225 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]:	0.9	Result Flagging Label:	RIN: 9.70

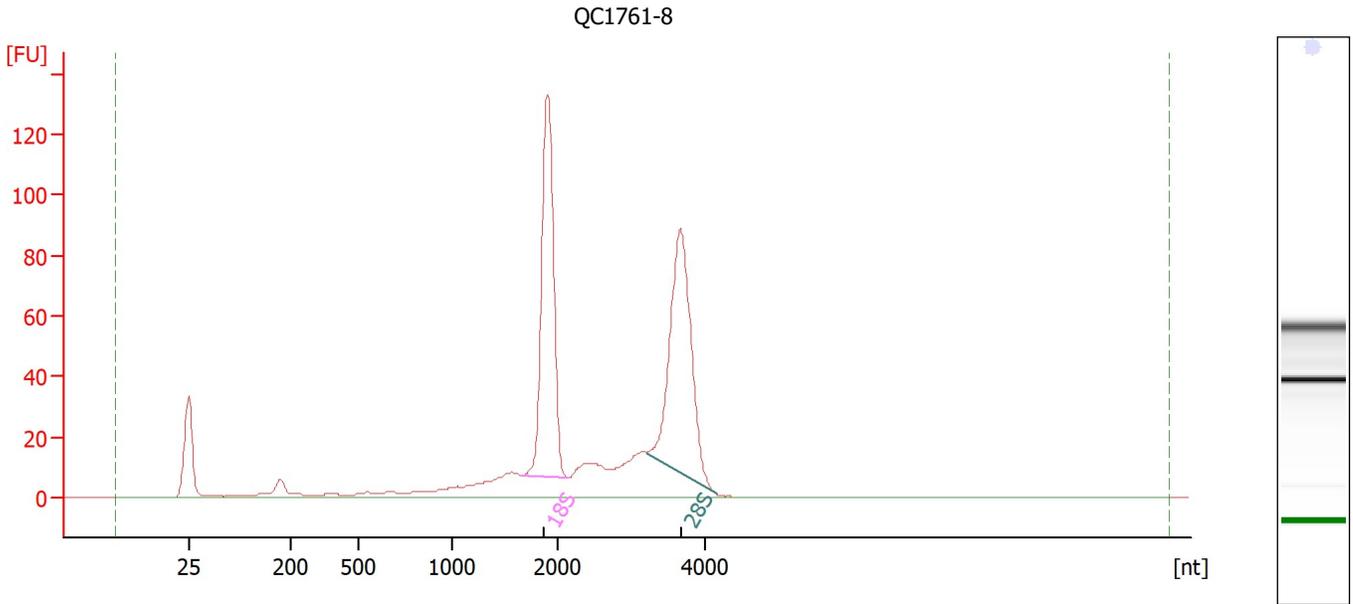
**Fragment table for sample 8 : QC1761-7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,277	342.3	36.1
28S	2,989	4,334	321.5	33.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1761-8**

RNA Area:	705.7	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	3,887 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]:	1.0	Result Flagging Label:	RIN: 9.40

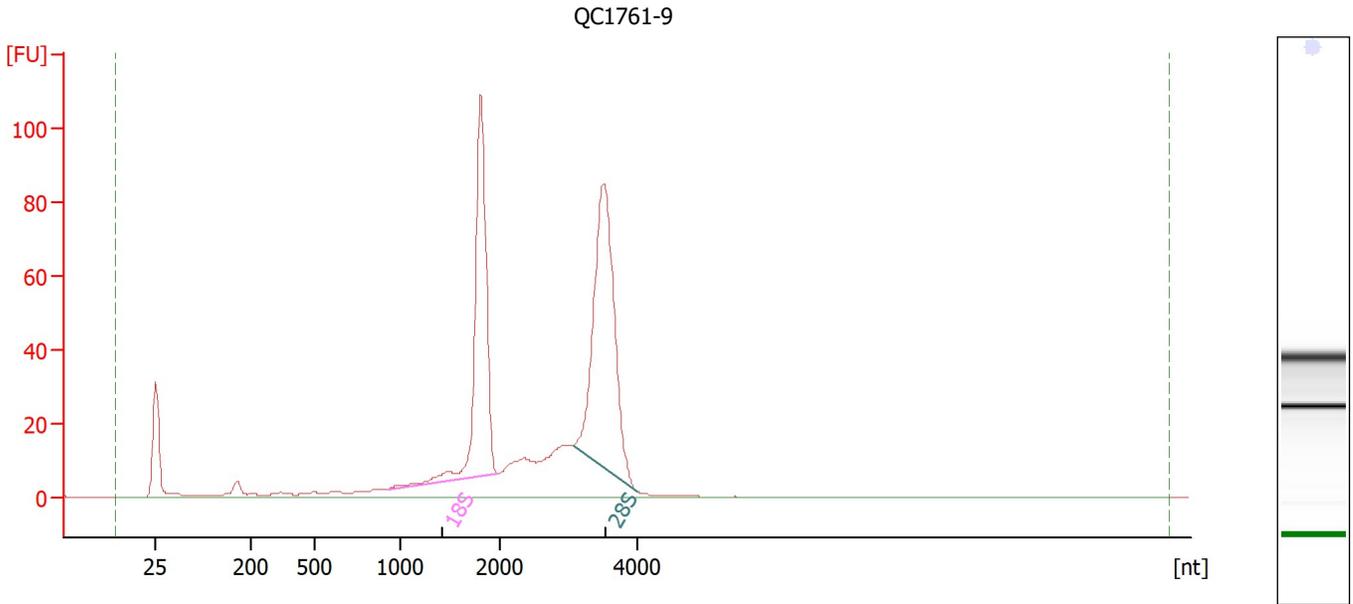
**Fragment table for sample 9 : QC1761-8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,132	206.5	29.3
28S	3,206	4,152	201.5	28.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : QC1761-9**

RNA Area:	631.0	RNA Integrity Number (RIN):	9.8 (B.02.10)
RNA Concentration:	3,476 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: 9.80

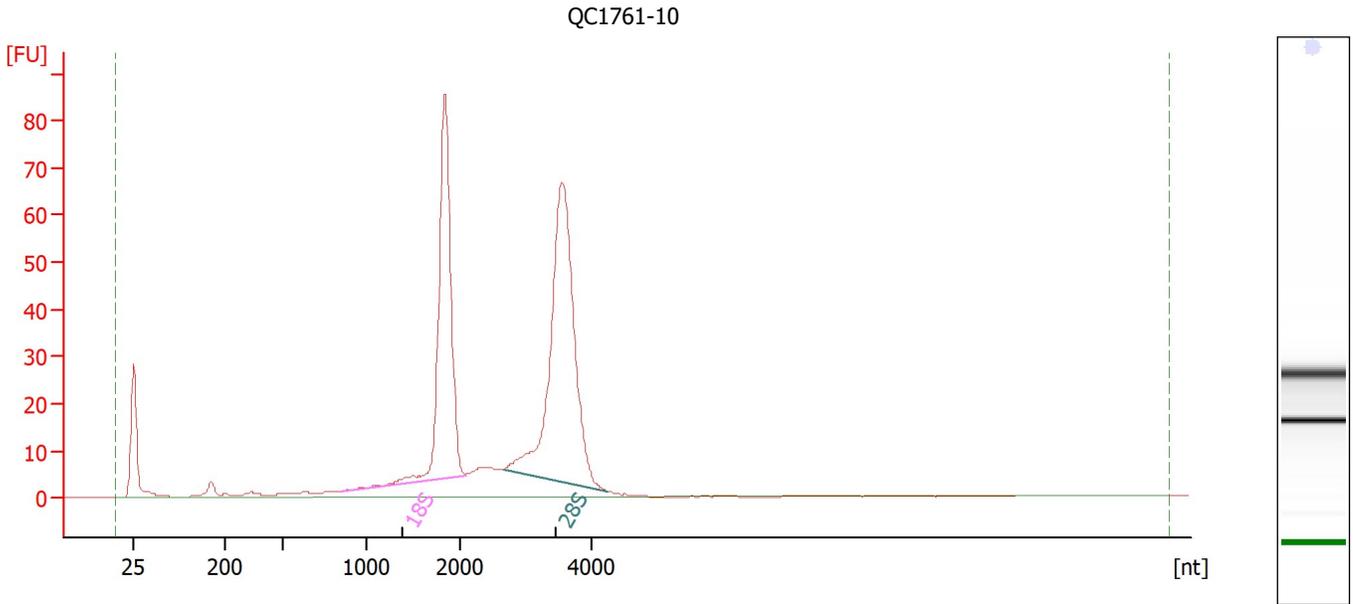
**Fragment table for sample 10 : QC1761-9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	933	1,984	173.2	27.4
28S	3,069	3,991	204.0	32.3

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Created: 3/5/2024 4:09:53 PM  
 Modified: 3/5/2024 5:02:15 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : QC1761-10**

RNA Area:	503.5	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	2,774 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:10

**Fragment table for sample 11 : QC1761-10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	841	2,087	152.4	30.3
28S	2,652	4,253	203.4	40.4

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Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2024-03-05\_001.xad

Created: 3/5/2024 4:09:53 PM  
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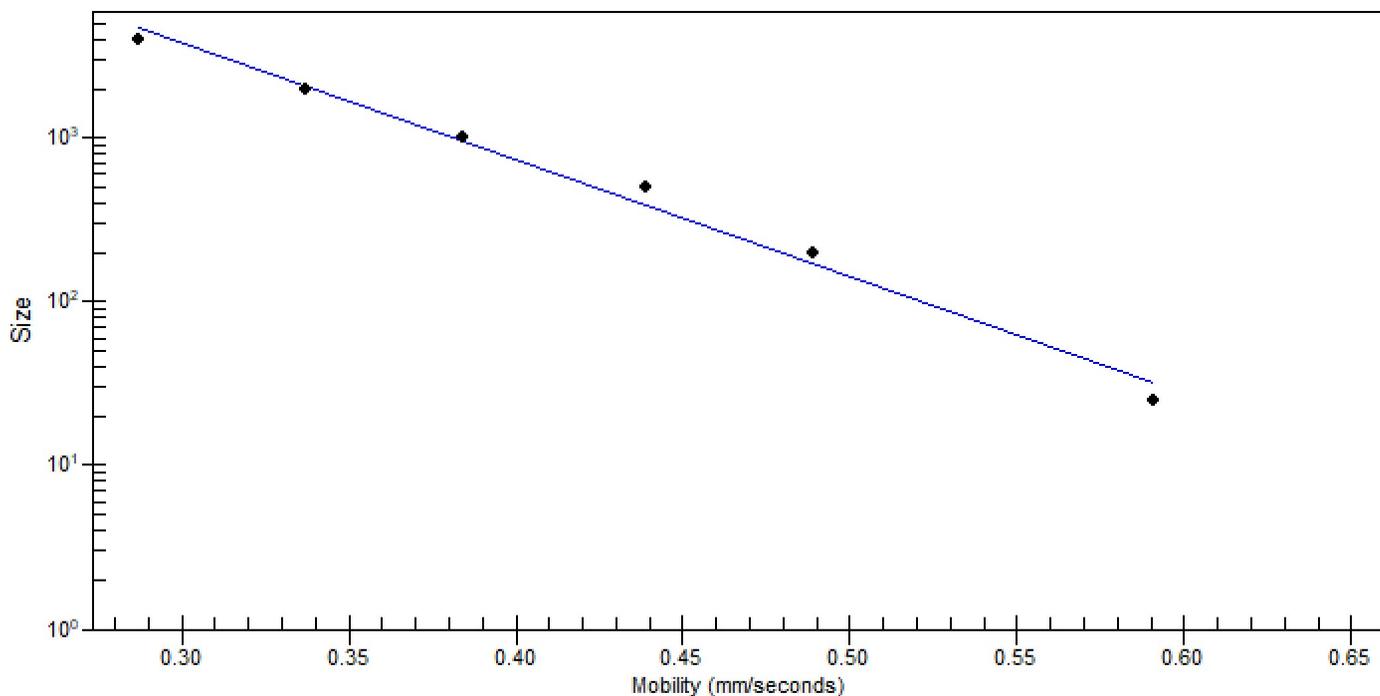
**Gel Image**

Assay Class: Eukaryote Total RNA Pico  
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**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico Created: 3/5/2024 4:09:53 PM  
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**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		3/5/2024 4:32:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-03-05\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-03-05_001.xad)		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/5/2024 4:10:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB