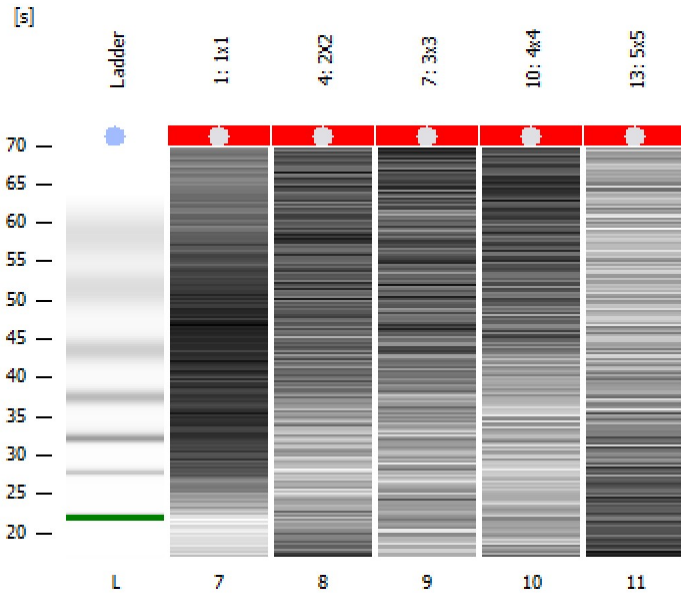


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

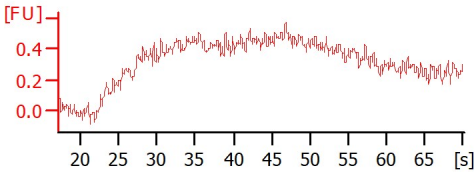
Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

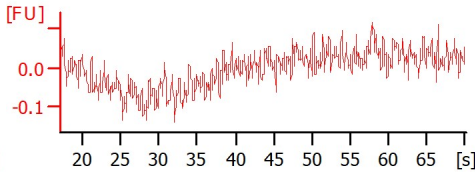
Chip Information:

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

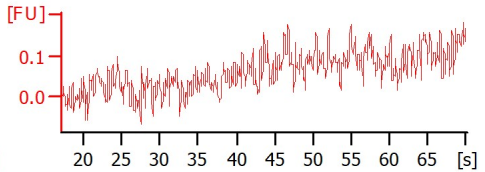
**1: 1x1**  
NextSeq0407  
RIN N/A



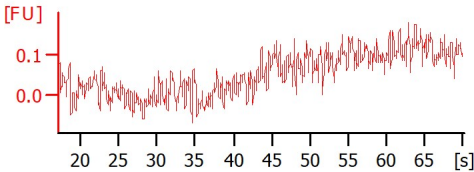
**4: 2X2**  
NextSeq0407  
RIN N/A



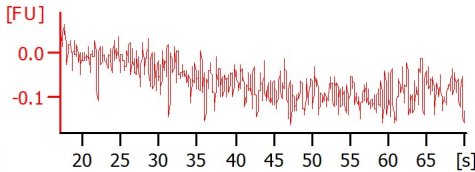
**7: 3x3**  
NextSeq0407  
RIN N/A



**10: 4x4**  
NextSeq0407  
RIN N/A



**13: 5x5**  
NextSeq0407  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
 Modified: 6/12/2023 1:19:03 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1: 1x1	NextSeq0407	✓	RIN N/A	
4: 2X2	NextSeq0407	✓	RIN N/A	
7: 3x3	NextSeq0407	✓	RIN N/A	
10: 4x4	NextSeq0407	✓	RIN N/A	
13: 5x5	NextSeq0407	✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
 Modified: 6/12/2023 1:19:03 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/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

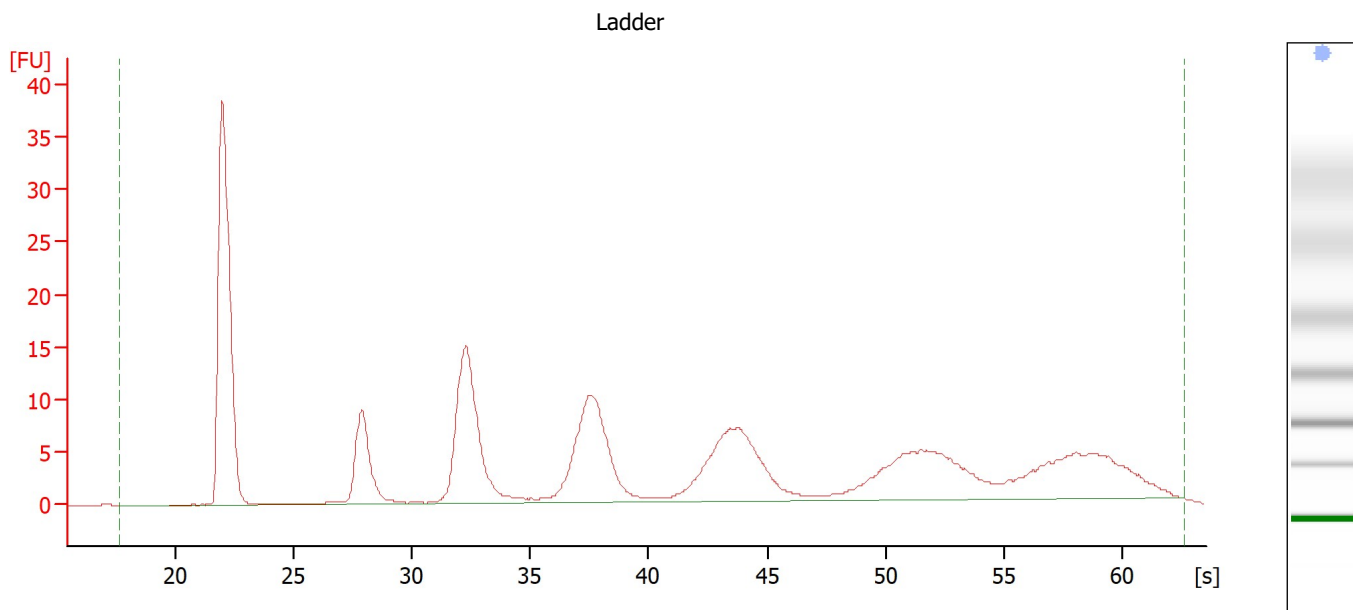
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary**



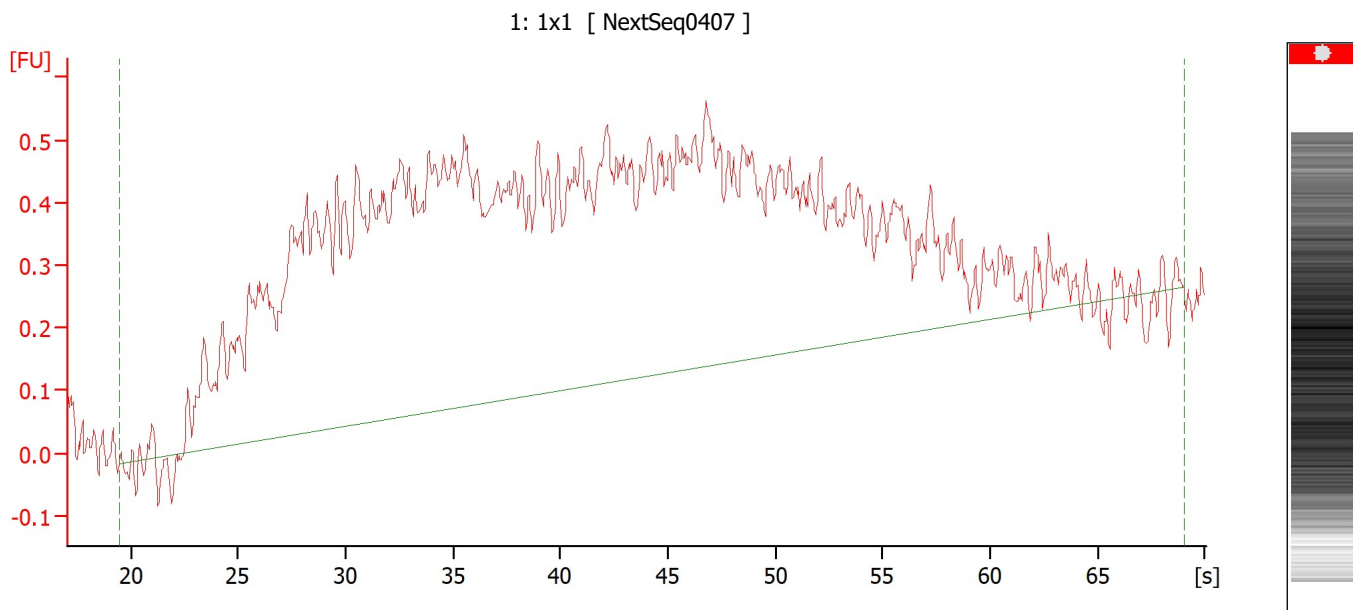
**Overall Results for Ladder**

RNA Area:	233.8	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:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 1: 1x1**

RNA Concentration: 117 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

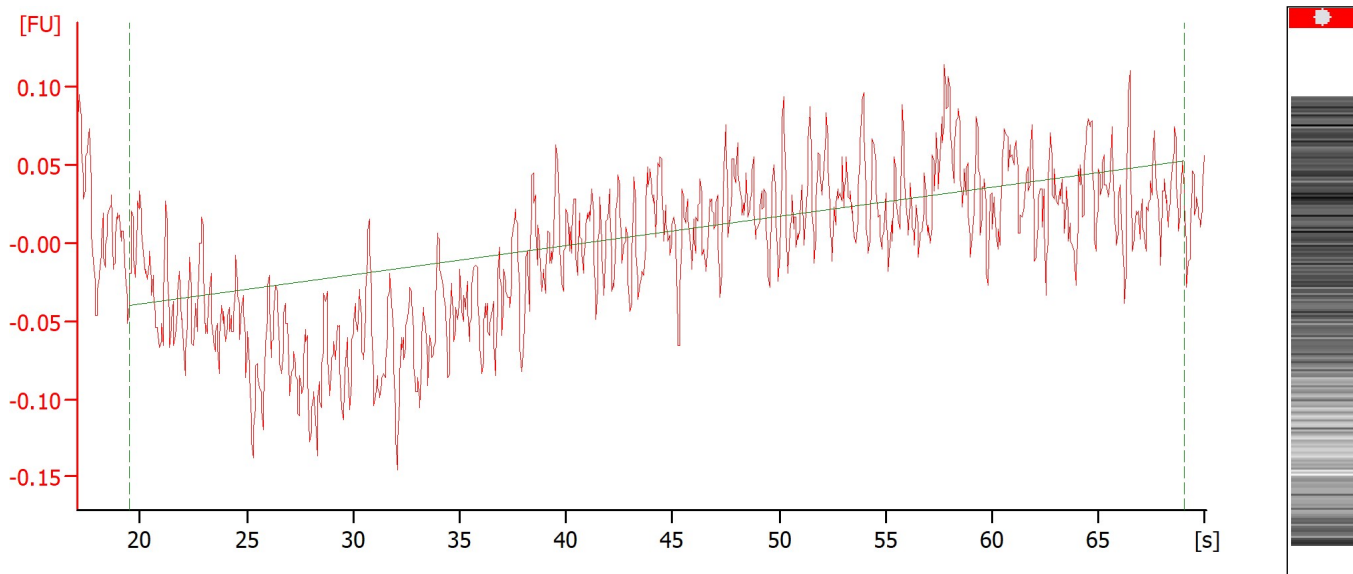
Result Flagging Color:   
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary Continued ...**

4: 2X2 [ NextSeq407 ]



**Overall Results for sample 8 : 4: 2X2**

RNA Concentration: 4 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

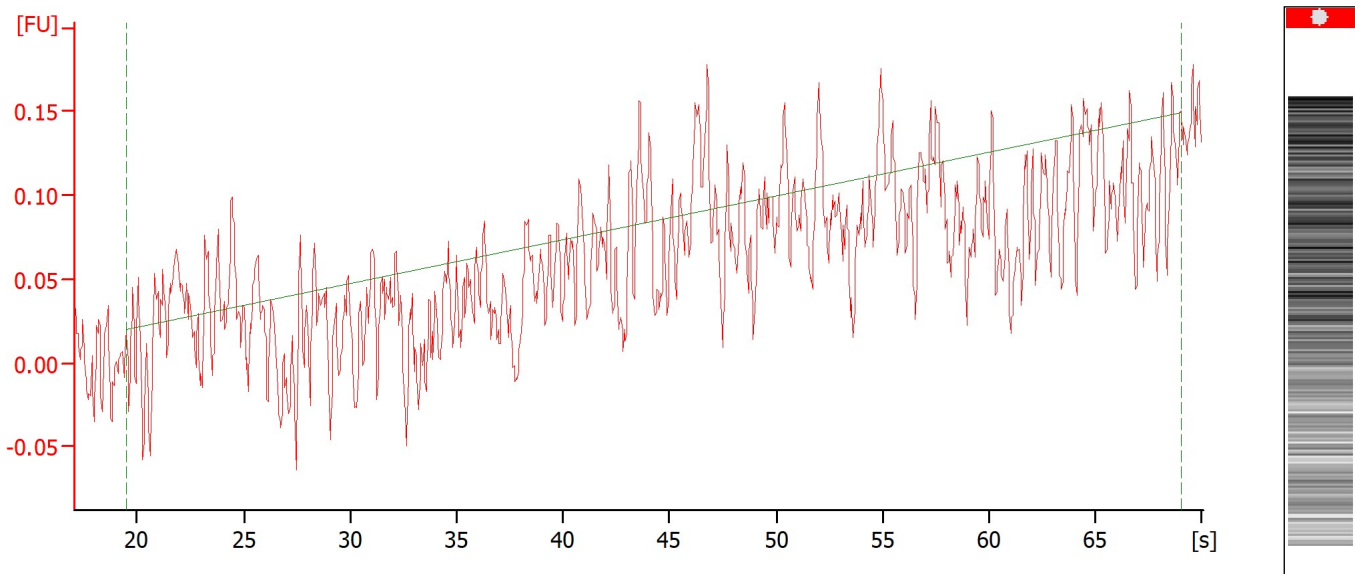
Result Flagging Color:   
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary Continued ...**

7: 3x3 [ NextSeq407 ]



**Overall Results for sample 9 : 7: 3x3**

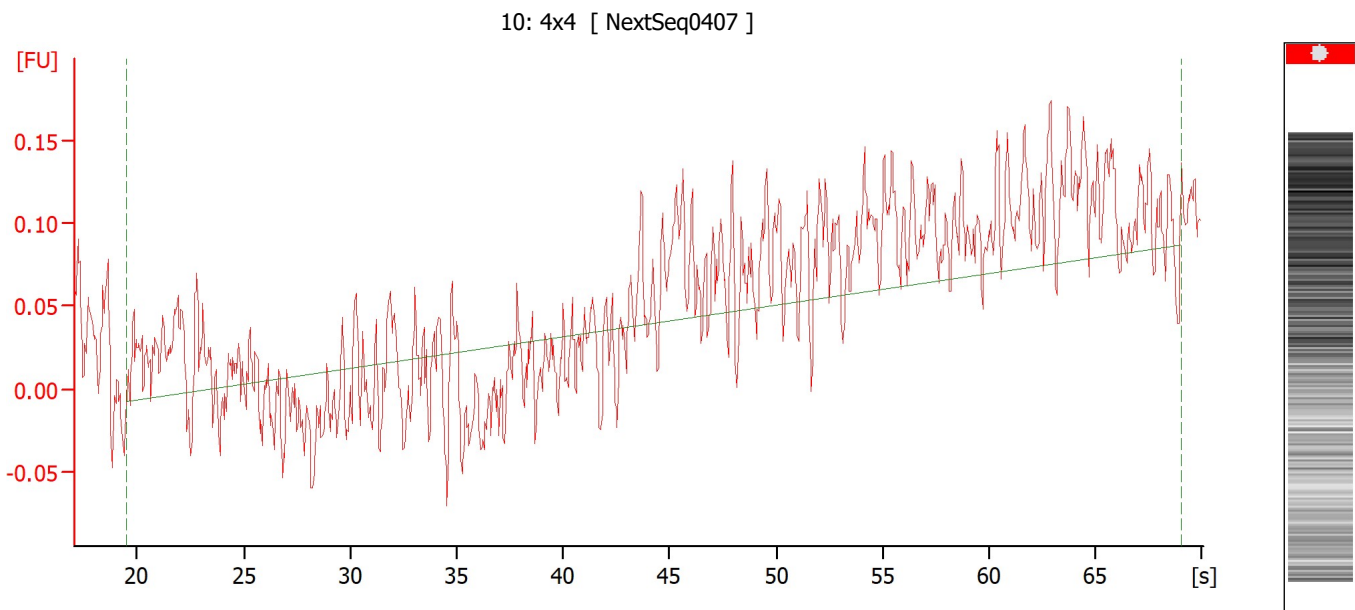
RNA Concentration: 3 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:   
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 10: 4x4**

RNA Concentration: 10 pg/ $\mu$ l  
rRNA Ratio [28s / 18s]: 0.0

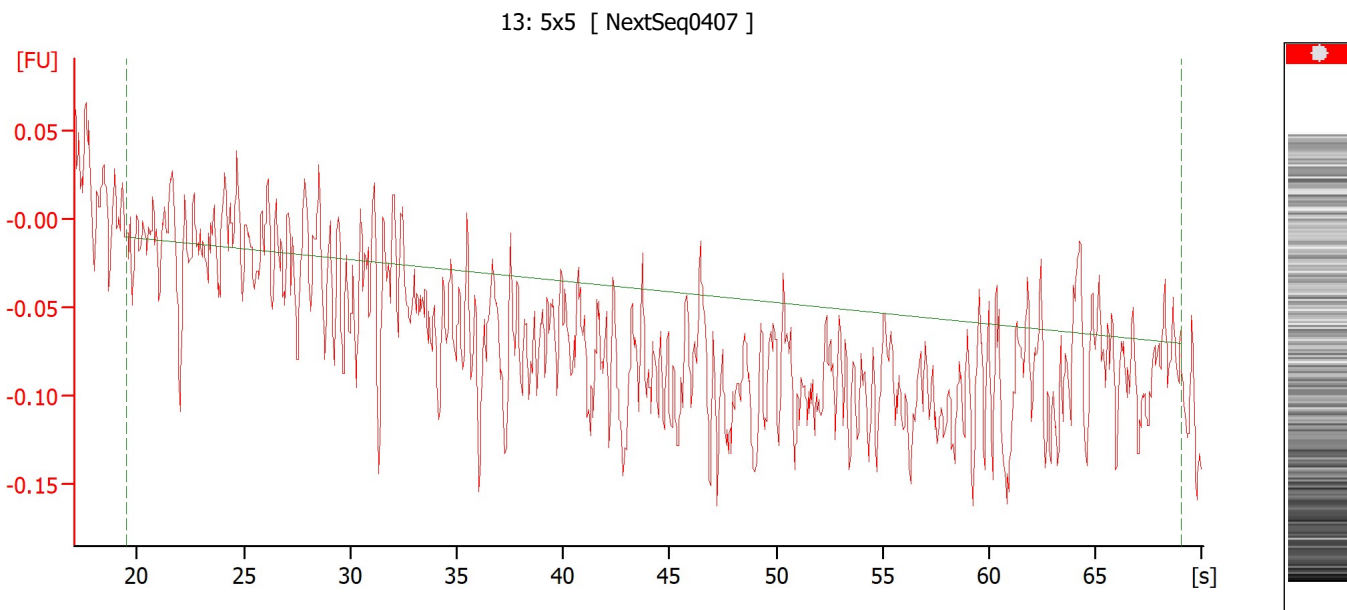
Result Flagging Color:   
Result Flagging Label: RIN N/A



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 13: 5x5**

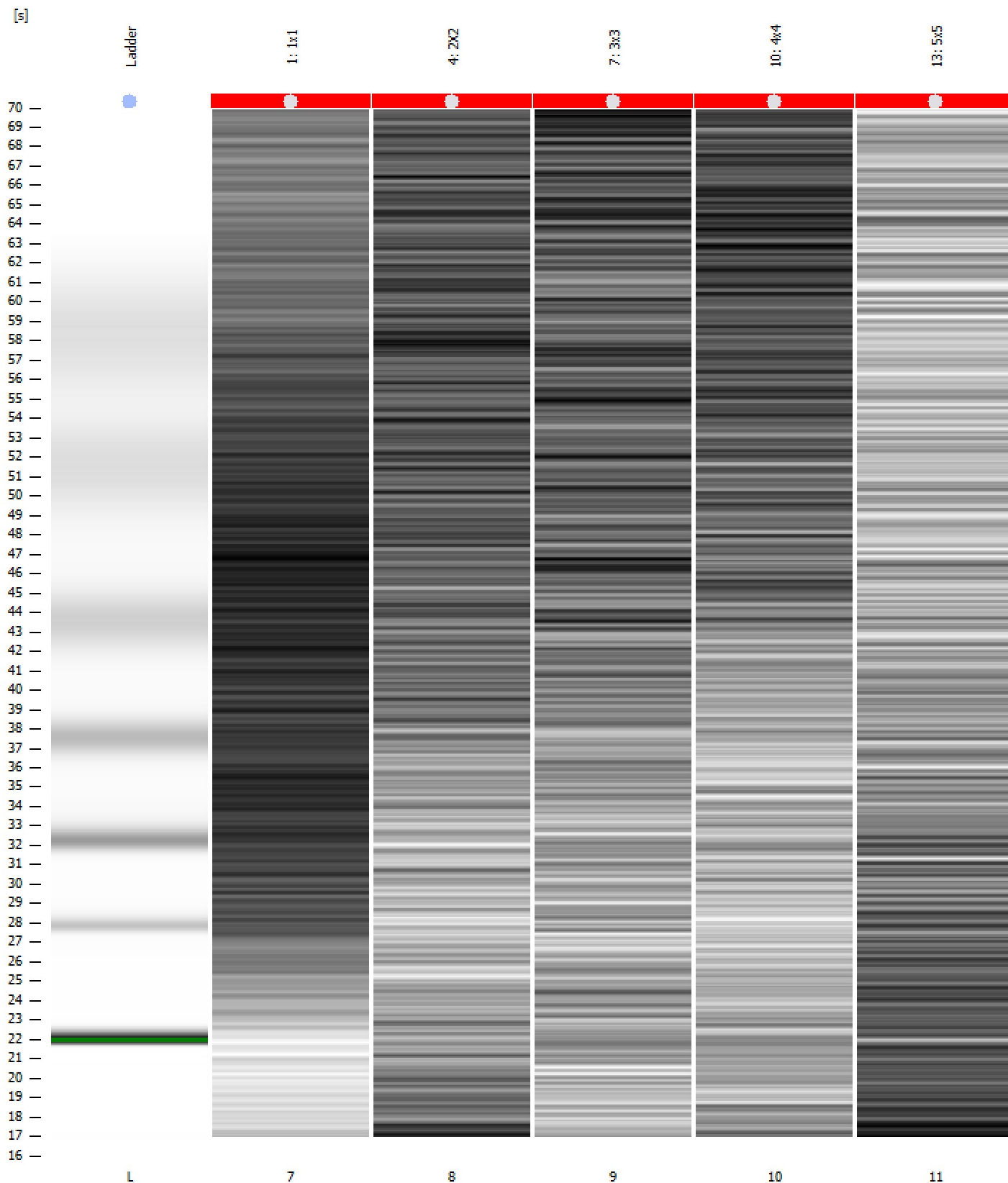
RNA Concentration: 2 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:   
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Gel Image**

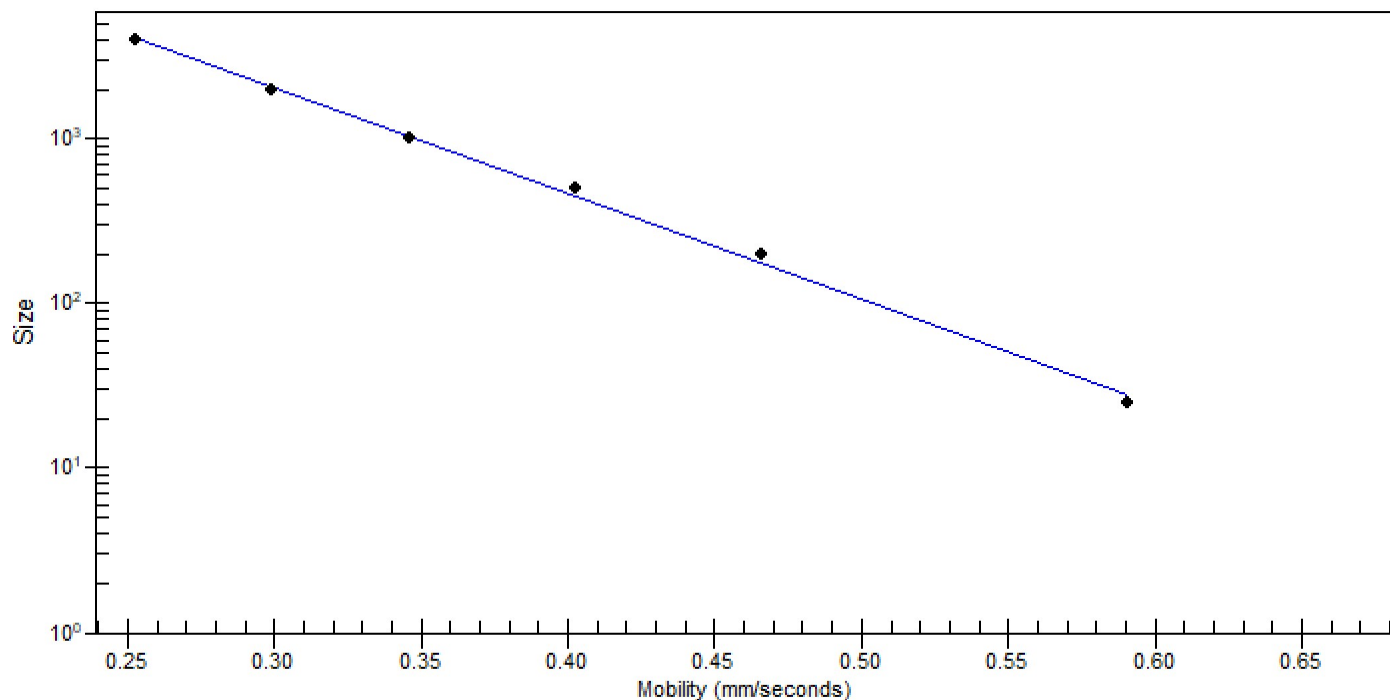


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
Modified: 6/12/2023 1:19:03 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_2023-06-12\_002\_NextSeq407.xad

Created: 6/12/2023 12:47:18 PM  
 Modified: 6/12/2023 1:19:03 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		6/12/2023 1:09:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_002.xad)		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/12/2023 12:47:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/12/2023 12:47:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB