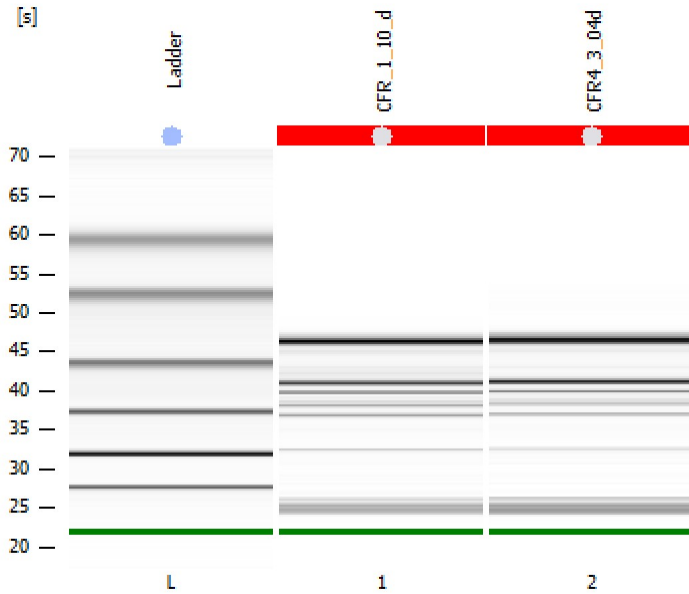


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:14 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

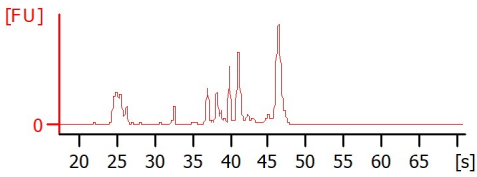
Assay Information:

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.

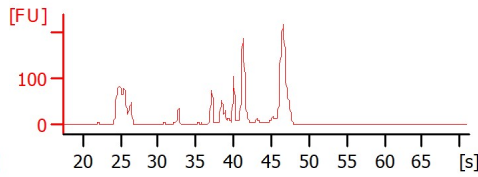
Chip Information:

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

**CFR\_1\_10\_d**  
NovaSeq230 #5 Dnase Treated  
RIN N/A




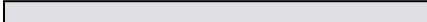
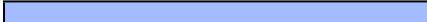
**CFR4\_3\_04d**  
NovaSeq230 #16 Dnase Treated  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:14 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
CFR_1_10_d	NovaSeq230 #5 DNase Treated	✓	RIN N/A	
CFR4_3_04d	NovaSew230 #16 Dnase Treated	✓	RIN N/A	
Ladder		✓	All Other Samples	

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

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:14 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

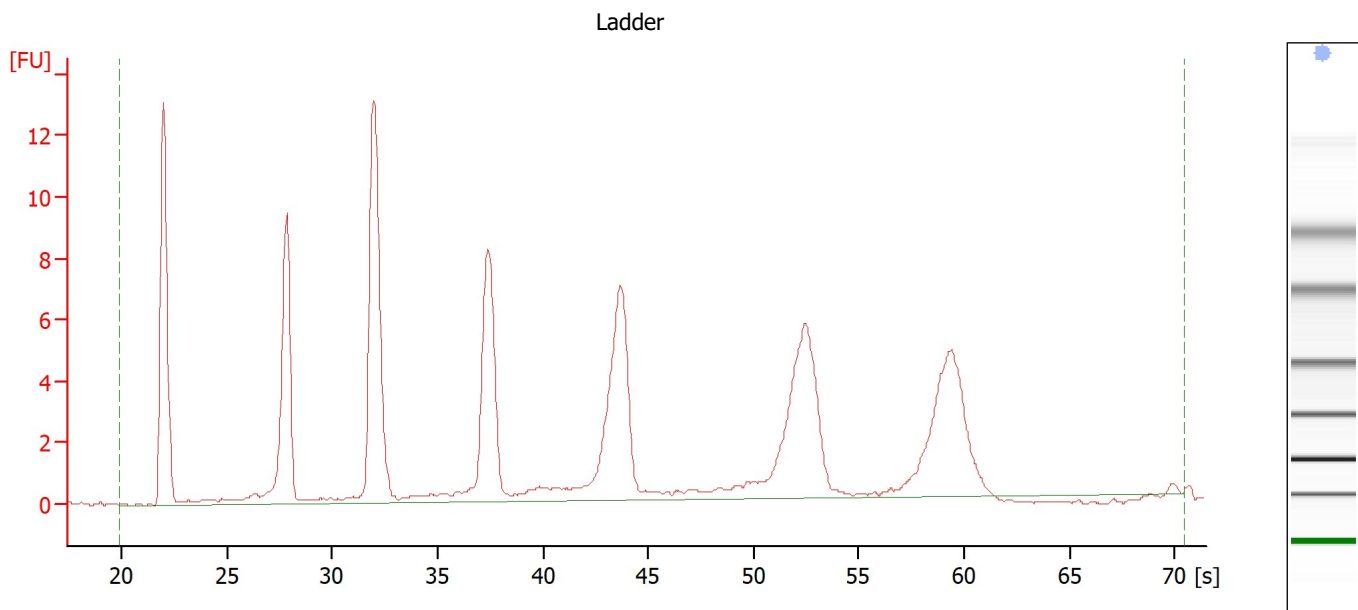
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:14 PM

**Electropherogram Summary**



**Overall Results for Ladder**

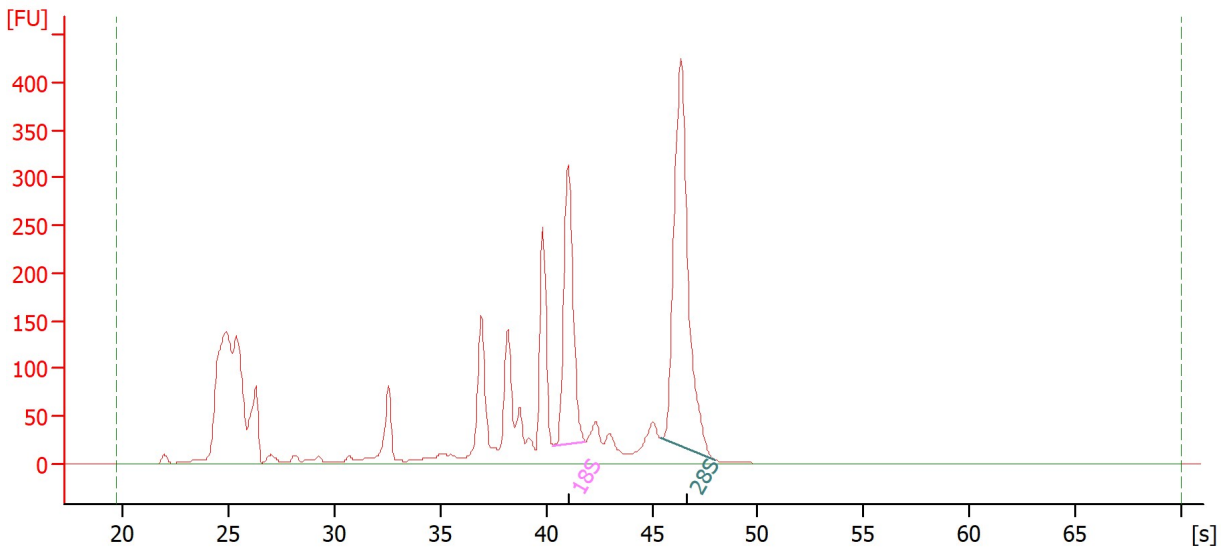
RNA Area:	115.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:14 PM

**Electropherogram Summary Continued ...**

CFR\_1\_10\_d [ NovaSeq230 #5 DNase Treated ]



**Overall Results for sample 1 : CFR\_1\_10\_d**

RNA Area:	3,188.4	RNA Integrity Number (RIN):	N/A (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	27,613 pg/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]:	1.8	Result Flagging Label:	RIN N/A

**Fragment table for sample 1 : CFR\_1\_10\_d**

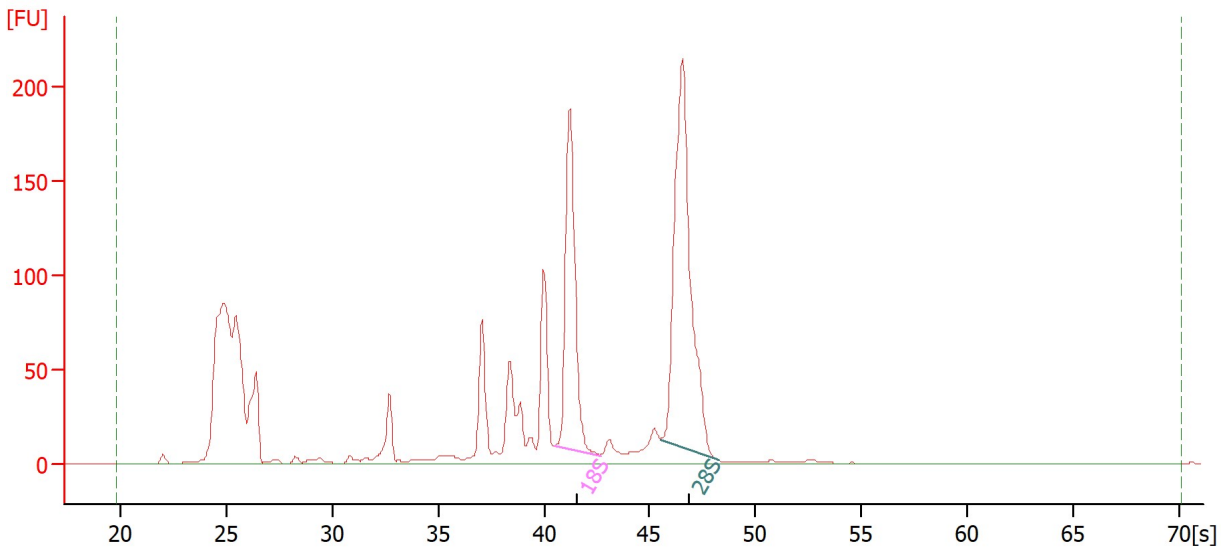
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	41.87	369.2	11.6
28S	45.42	48.00	669.6	21.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:14 PM

**Electropherogram Summary Continued ...**

CFR4\_3\_04d [ NovaSew230 #16 Dnase Treated ]



**Overall Results for sample 2 : CFR4 3 04d**

RNA Area:	1,711.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	14,824 pg/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]:	1.6	Result Flagging Label:	RIN N/A

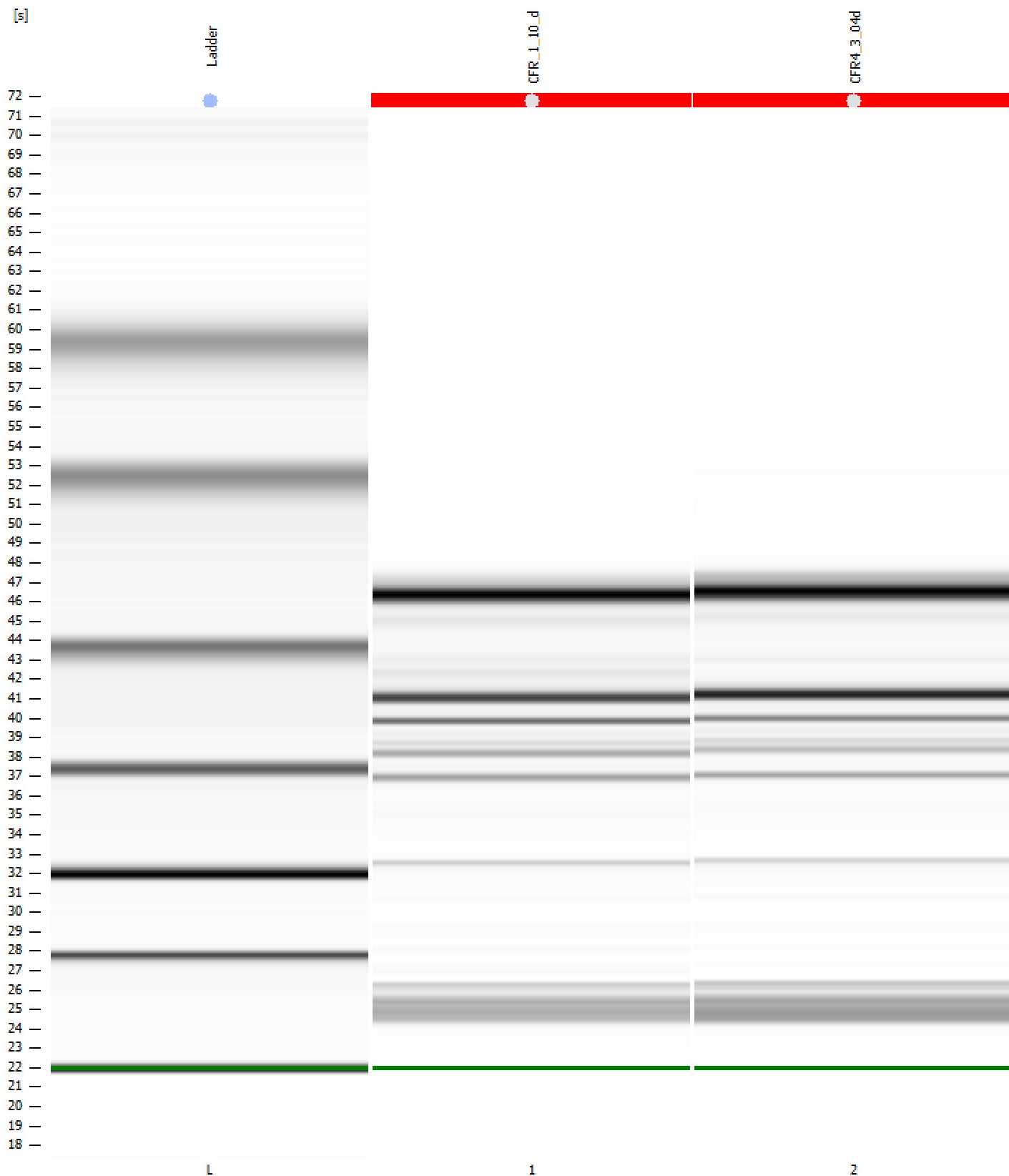
**Fragment table for sample 2 : CFR4 3 04d**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.49	42.68	233.2	13.6
28S	45.52	48.27	383.4	22.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:14 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\NovaSeq230\_DnaseTreat1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:14 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run Completed after UI crashed on port 1		Instrument	Run		7/16/2020 2:46:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-16\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-07-16_002.xad)		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB