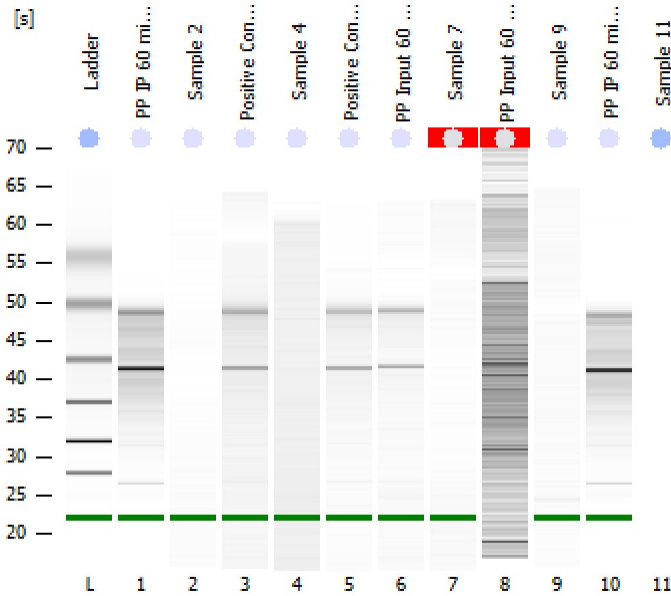


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 PM

Electrophoresis File Run Summary



Instrument Information:

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

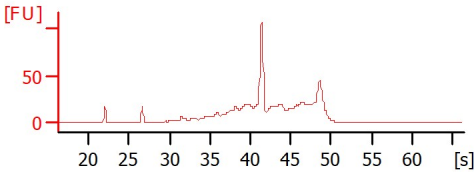
Assay Information:

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.

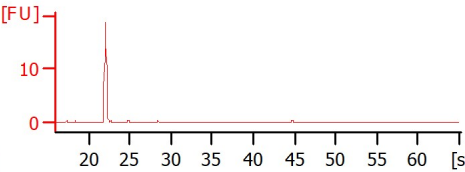
Chip Information:

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

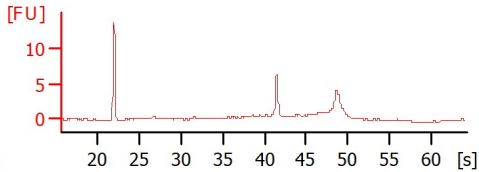
PP IP 60 min pup 2.14.20 Duplicate 1
 RIN: 6.20



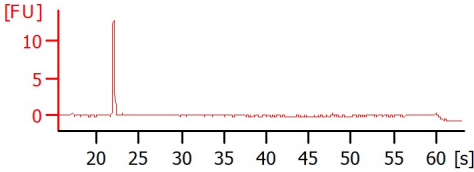
Sample 2
 RIN:1



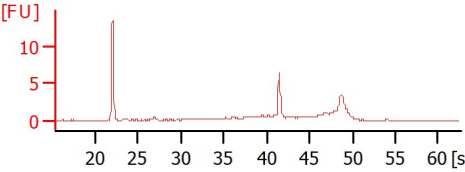
Positive Control 3.6.19 Duplicate 1
 RIN: 7.20



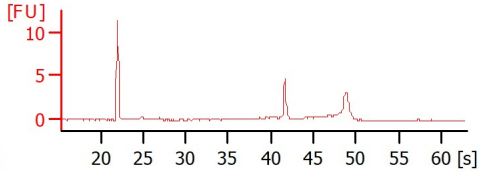
Sample 4
 RIN:1



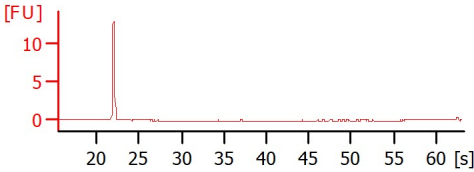
Positive Control 3.6.19 Duplicate 2
 RIN: 7.60



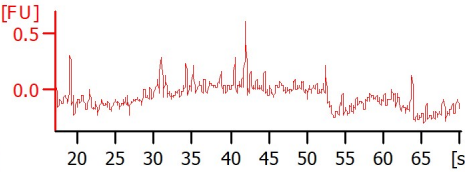
PP Input 60 min pup 2.14.20 Duplicate 1
 RIN: 8.30



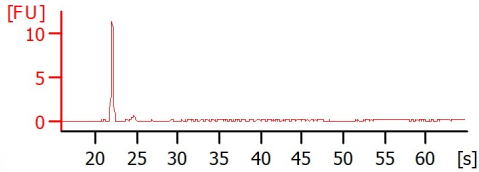
Sample 7
 RIN N/A



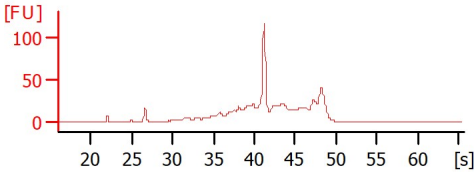
PP Input 60 min pup 2.14.20 Duplicate 2
 RIN N/A



Sample 9
 RIN:1



PP IP 60 min pup 2.14.20 Duplicate 2
 RIN:6



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PP IP 60 min pup 2.14.20 Duplicate 1		✓	RIN: 6.20	
Sample 2		✓	RIN:1	
Positive Control 3.6.19 Duplicate 1		✓	RIN: 7.20	
Sample 4		✓	RIN:1	
Positive Control 3.6.19 Duplicate 2		✓	RIN: 7.60	
PP Input 60 min pup 2.14.20 Duplicate 1		✓	RIN: 8.30	
Sample 7		✓	RIN N/A	
PP Input 60 min pup 2.14.20 Duplicate 2		✓	RIN N/A	
Sample 9		✓	RIN:1	
PP IP 60 min pup 2.14.20 Duplicate 2		✓	RIN:6	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 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

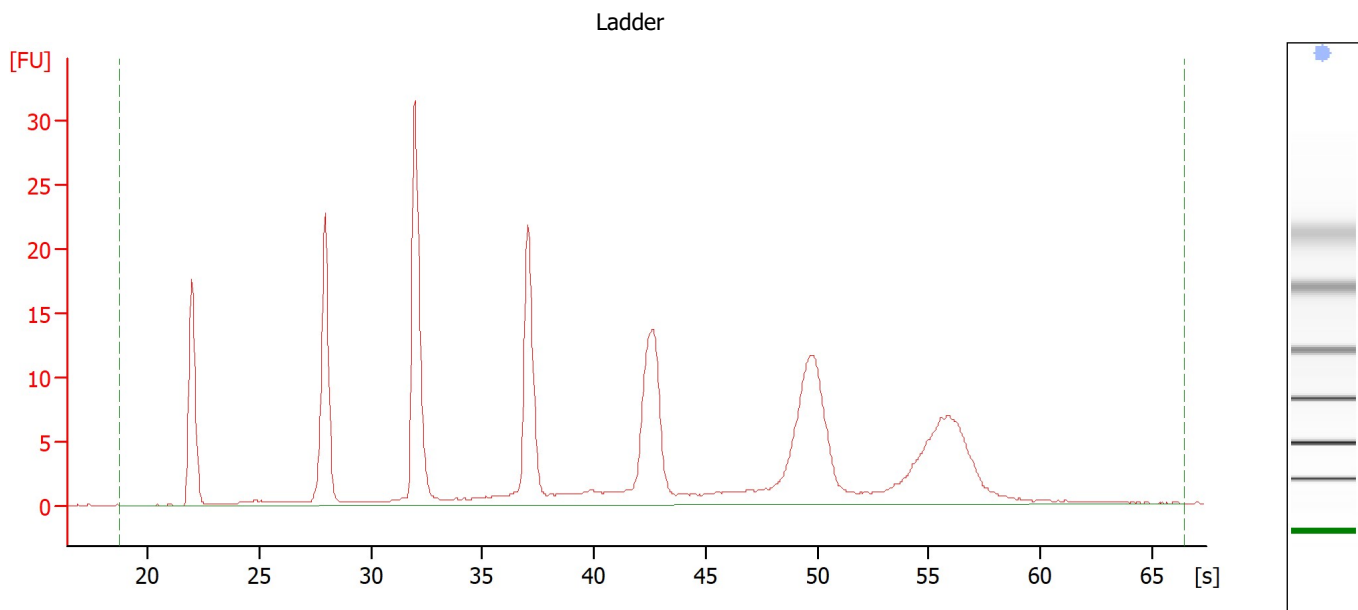
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
Modified: 2/14/2020 3:00:50 PM

Electropherogram Summary



Overall Results for Ladder

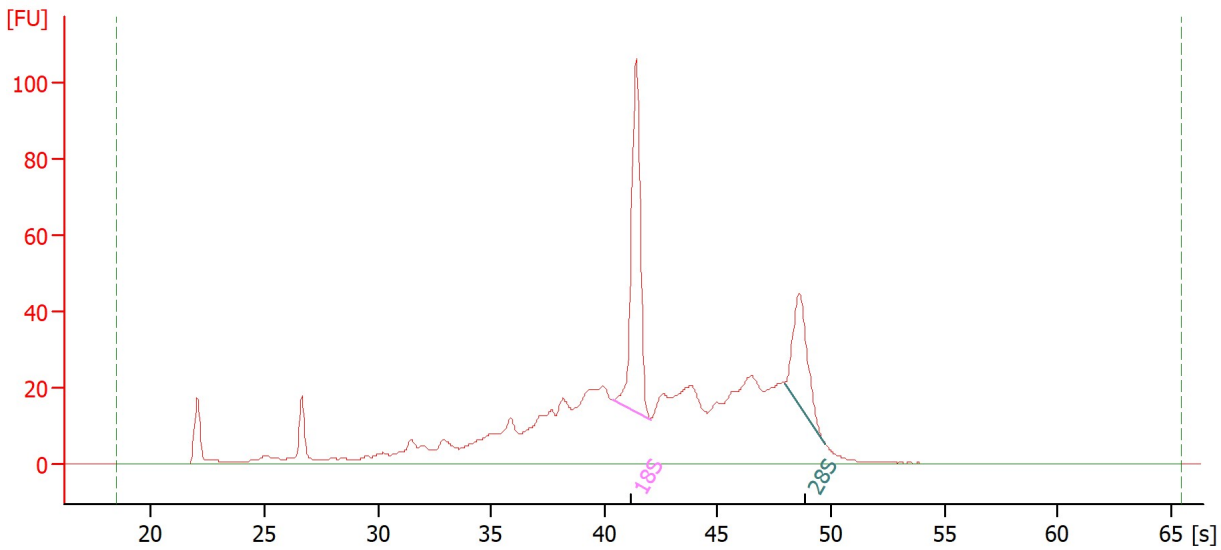
RNA Area:	230.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 PM

Electropherogram Summary Continued ...

PP IP 60 min pup 2.14.20 Duplicate 1



Overall Results for sample 1 : PP IP 60 min pup 2.14.20 Duplicate 1

RNA Area:	813.7	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	3,536 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.20

Fragment table for sample 1 : PP IP 60 min pup 2.14.20 Duplicate 1

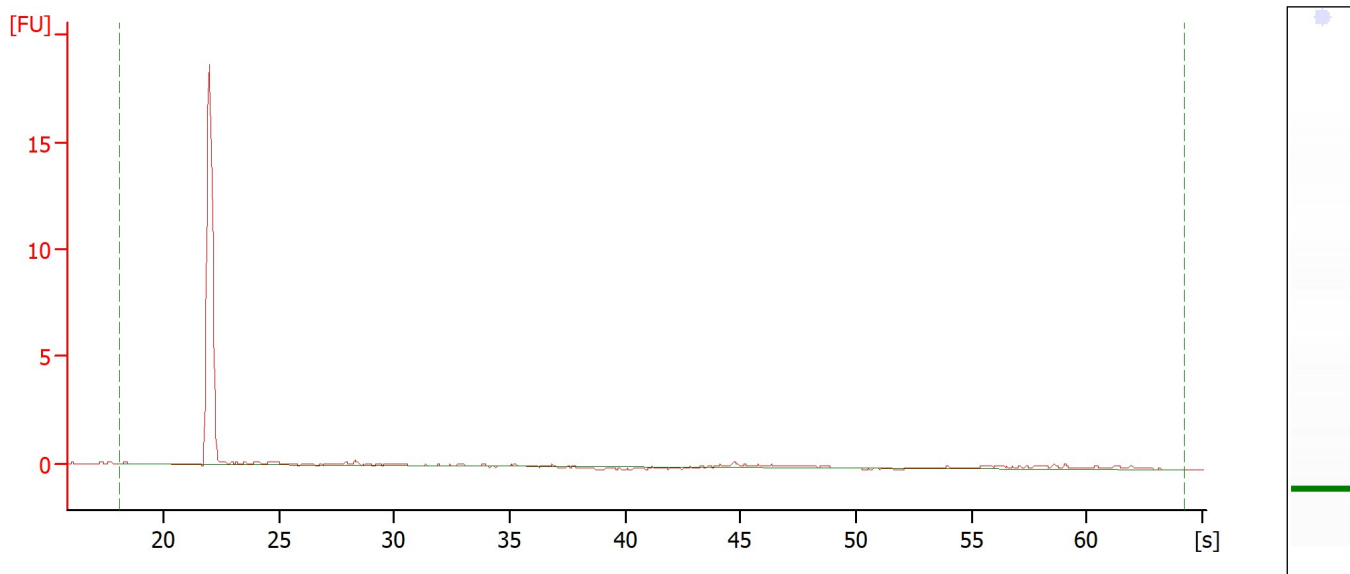
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,892	101.2	12.4
28S	3,496	4,002	44.5	5.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
Modified: 2/14/2020 3:00:50 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

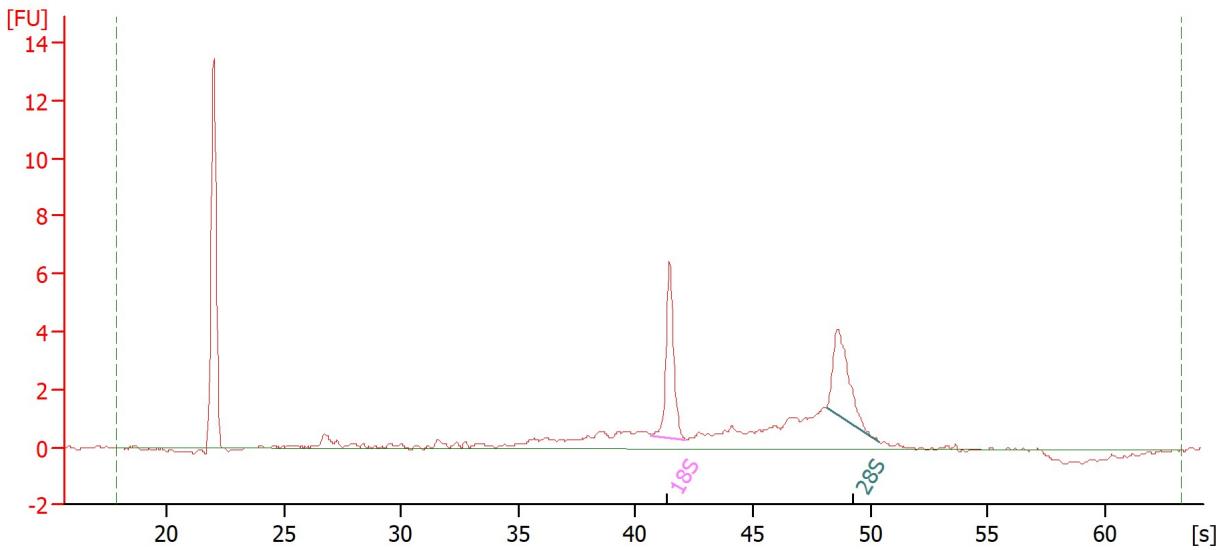
RNA Area:	4.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	21 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 PM

Electropherogram Summary Continued ...

Positive Control 3.6.19 Duplicate 1



Overall Results for sample 3 : Positive Control 3.6.19 Duplicate 1

RNA Area:	38.2	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	166 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.20

Fragment table for sample 3 : Positive Control 3.6.19 Duplicate 1

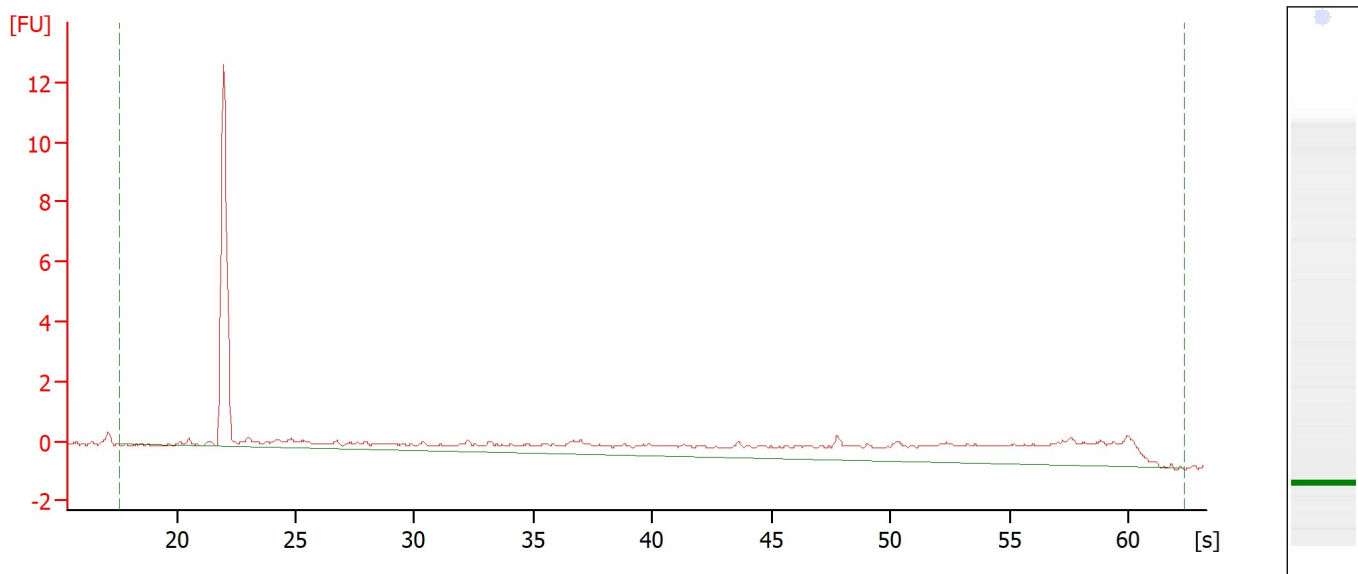
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,912	5.6	14.7
28S	3,549	4,193	4.8	12.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
Modified: 2/14/2020 3:00:50 PM

Electropherogram Summary Continued ...

Sample 4



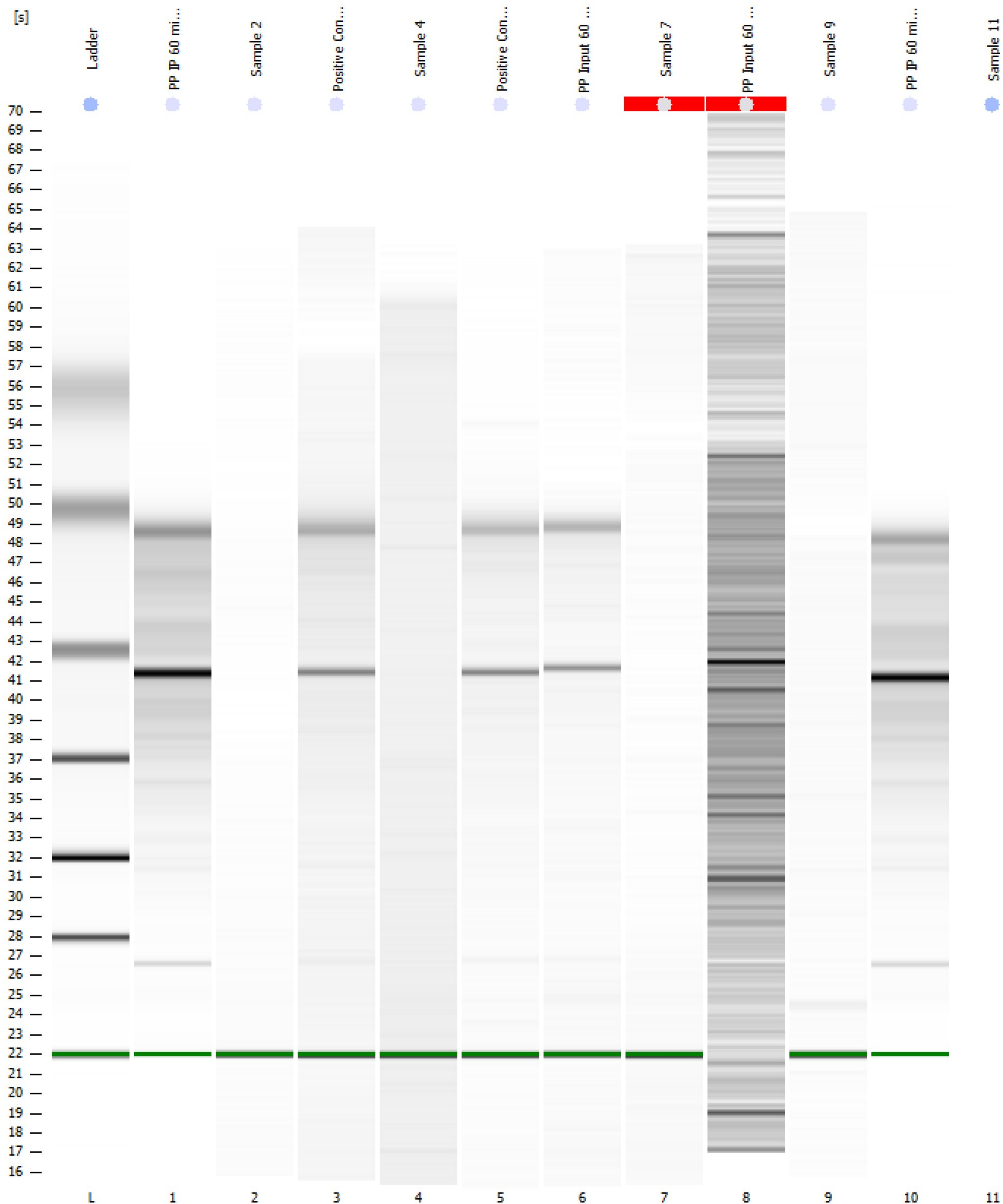
Overall Results for sample 4 : Sample 4

RNA Area:	38.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	168 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad

Created: 2/14/2020 2:39:18 PM
Modified: 2/14/2020 3:00:50 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-14_001.xad
 Created: 2/14/2020 2:39:18 PM
 Modified: 2/14/2020 3:00:50 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		2/14/2020 3:00:48 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-02-14\Bioanalyze r1_Eukaryote Total RNA Pico_2020-02-14_001.xad)		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/14/2020 2:39:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB