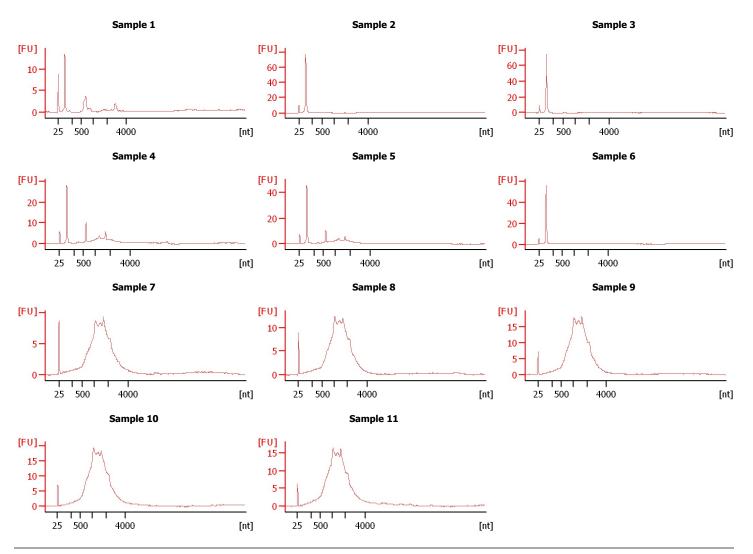
Assay Class: mRNA Pico Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20\_001.xad Created: 9/20/2017 11:16:01 AM Modified: 9/20/2017 11:42:03 AM

### Electrophoresis File Run Summary

Instrument Informat	tion:					
Instrument Name:	DE13701086	Firmware:	C.01.069			
Serial#:	DE13701086	Type:	G2938B			
Assay Information:						
Assay Origin Path:		C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy				
Assay Class:	mRNA Pico	mRNA Pico				
Version:	2.6	2.6				
Assay Comments:	mRNA Analysis pg sensitivit	/				
	© Copyright 2003 - 2009 Ag	gilent Techno	logies, Inc.			
Chip Information:						
Chip Lot #:						
Reagent Kit Lot #:						
Chip Comments:						

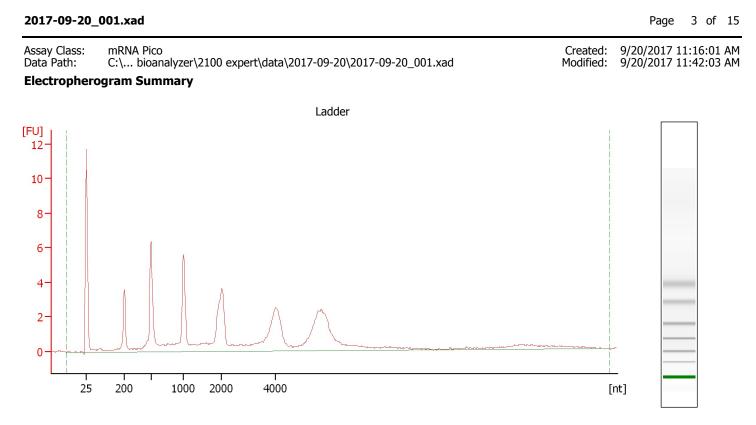


2017-09-20_	001.xad				Page 2 of 15
Assay Class: Data Path:				Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
Electrophore	sis File Run Summary (Chip Summ	ary)			
Sample Name	Sample Comment	Status Result Label	<b>Result Color</b>		
Sample 1		~			
Sample 2		×			
Sample 3		$\checkmark$			
Sample 4		×			
Sample 5		×			
Sample 6		$\checkmark$			
Sample 7		×			
Sample 8		×			
Sample 9		×			
Sample 10		×			
Sample 11		~			
Ladder		<b>~</b>			

Chip Lot #

Reagent Kit Lot #

Chip Comments :



## **Overall Results for Ladder**

RNA Area:

83.2

**RNA** Concentration:

1,000 pg/µl

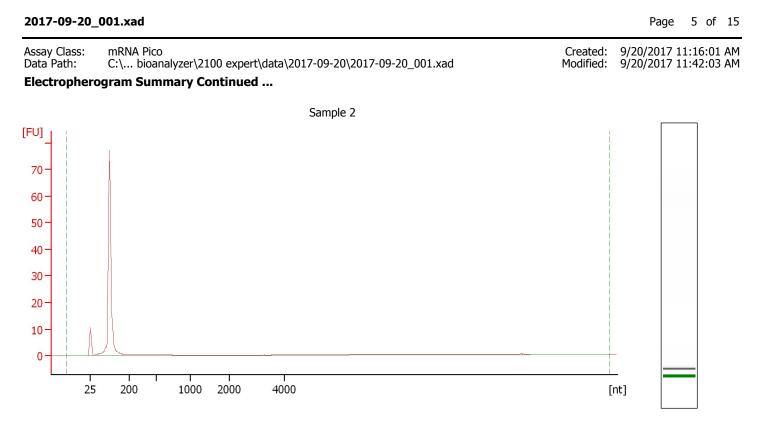
2017-09-20_001.xad		Page 4 of 15
Assay Class: mRNA Pico Data Path: C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad Electropherogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
Sample 1		
[FU] - 12- 10- 8- 6- 4- 2- 0- 25 200 1000 2000 4000		

## Overall Results for sample 1 : <u>Sample 1</u>

RNA Area:	52.4	rRNA Contamination:	19.6 %
RNA Concentration:	629 pg/µl		

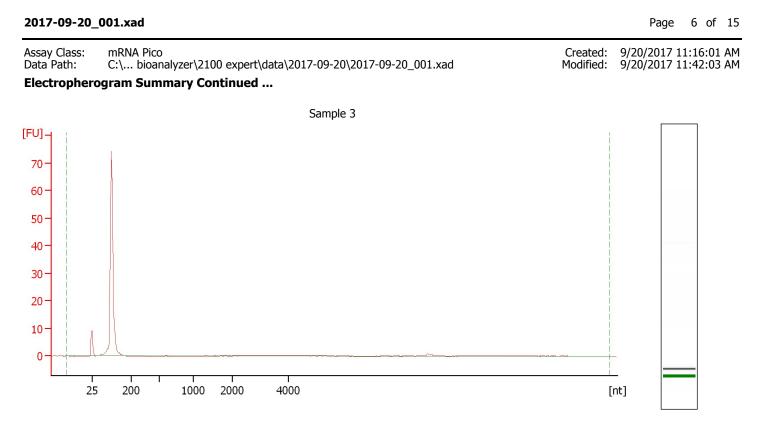
# Fragment table for sample 1 : <u>Sample 1</u>

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	540	757	10.3	19.6



## Overall Results for sample 2 : <u>Sample 2</u>

RNA Area:	172.9	rRNA Contamination:	0.0 %
RNA Concentration:	2,077 pg/µl		



## Overall Results for sample 3 : <u>Sample 3</u>

RNA Area:	154.5	rRNA Contamination:	0.0 %
RNA Concentration:	1,856 pg/µl		

<b>2017-09-20_001.xad</b> Page 7 of 15				
Assay Class: mRNA Pico Created:   Data Path: C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad Modified:   Electropherogram Summary Continued Modified: Modified:		9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM		
	Sample 4			
[FU]-				
25-				
20-				
15-				
10-				
5-				
			-	
25	200 1000 2000 4000	[1	nt]	

Overall Results for sample 4	:	Sample 4
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RNA Area:	143.4	rRNA Contamination:	10.2 %
RNA Concentration:	1,723 pg/µl		

Fragment table for sample 4 : <u>Sample 4</u>						
Name	Start Size [nt]	End Size [nt]	Area	% of total Area		
rRNA2	540	640	9.8	6.8		
rRNA2	1,183	1,323	1.6	1.1		
rRNA1	1,603	1,802	3.2	2.2		

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Assay Class: Data Path: <b>Electrophe</b>	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad rogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 5		
[FU]			
45-			
40 -			
35 -			
30 -			
25-		[	
20-			
15-			
10-			
5-	A A A A A A A A A A A A A A A A A A A		
0	E E E	 	~
2	25 200 1000 2000 4000	[1	nt]

# Overall Results for sample 5 : <u>Sample 5</u>

RNA Area:	187.7	rRNA Contamination:	8.0 %
RNA Concentration:	2,255 pg/µl		

Fragment table for sample 5 : <u>Sample 5</u>							
Name	Start Size [nt]	End Size [nt]	Area	% of total Area			
rRNA2	529	634	10.3	5.5			
rRNA2	1,133	1,303	1.5	0.8			
rRNA1	1,573	1,782	3.2	1.7			

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Assay Class: Data Path: <b>Electropher</b> e	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad ogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 6		
50 -			
40 -			
30 -			
20-			
10-			
0		     	_
25	200 1000 2000 4000	[	- <b>-</b> nt]

# Overall Results for sample 6 : <u>Sample 6</u>

RNA Area:	127.2	rRNA Contamination:	0.0 %
RNA Concentration:	1,529 pg/µl		

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Assay Class: Data Path:	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
Electrophero	ogram Summary Continued		
	Sample 7		
[FU]	A A A A A A A A A A A A A A A A A A A		
25	200 1000 2000 4000	[1	

#### Overall Results for sample 7 : Sample 7

RNA Area:	256.6	rRNA Contamination:	4.3 %
RNA Concentration:	3,083 pg/µl		

### Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	568	1,257	7.2	2.8
rRNA1	1,571	2,011	3.8	1.5

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Assay Class: Data Path: Electrophere	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad bgram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 8		
[FU] 12- 10- 8- 6- 4- 2- 0- 25			nt]

Overall Results for sample 8 : <u>Sample</u>	for sample 8 : <u>Sample 8</u>	8 : <u>Samp</u>	e 8 :	for sample	Results	Overall
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RNA Area:	320.8	rRNA Contamination:	5.3 %
RNA Concentration:	3,854 pg/µl		

Fragment table for sample 8 :	Sample 8
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Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	604	1,251	12.5	3.9
rRNA1	1,547	2,009	4.6	1.4

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Assay Class: Data Path: Electrophere	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad ogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 9		
[FU] 18- 16- 14- 12- 10- 8- 6- 4- 2- 0- -2- 25			nt]

Overal	Results	for sample 9	:	Sample 9
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RNA Area:	464.8	rRNA Contamination:	5.7 %
RNA Concentration:	5,584 pg/µl		

Fragment	t table for sample 9	9:	Sample 9		
Name	Start Size [nt]	End	Size [nt]	Area	

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	613	1,253	17.8	3.8
rRNA1	1,531	2,078	8.9	1.9

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Assay Class: Data Path: Electropher	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad ogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 10		
[FU] 20- 15- 10- 5- 0- 25			nt]

#### Overall Results for sample 10 : Sample 10

RNA Area:	497.4	rRNA Contamination:	6.8 %
RNA Concentration:	5,976 pg/µl		

### Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	573	1,266	20.7	4.2
rRNA1	1,556	2,473	13.0	2.6

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Assay Class: Data Path: <b>Electropher</b> e	mRNA Pico C:\ bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad ogram Summary Continued	Created: Modified:	9/20/2017 11:16:01 AM 9/20/2017 11:42:03 AM
	Sample 11		
[FU] 16- 14- 12- 10- 8- 6- 4- 2- 0- 25			nt]

## Overall Results for sample 11 : <u>Sample 11</u>

RNA Area:	443.8	rRNA Contamination:	6.0 %
RNA Concentration:	5,332 pg/µl		

# Fragment table for sample 11 : <u>Sample 11</u>

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	533	1,263	20.0	4.5
rRNA1	1,533	1,969	6.8	1.5