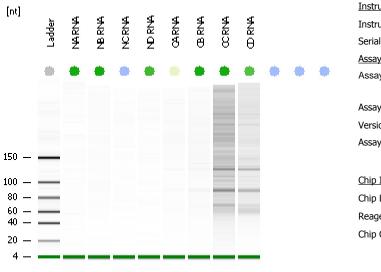
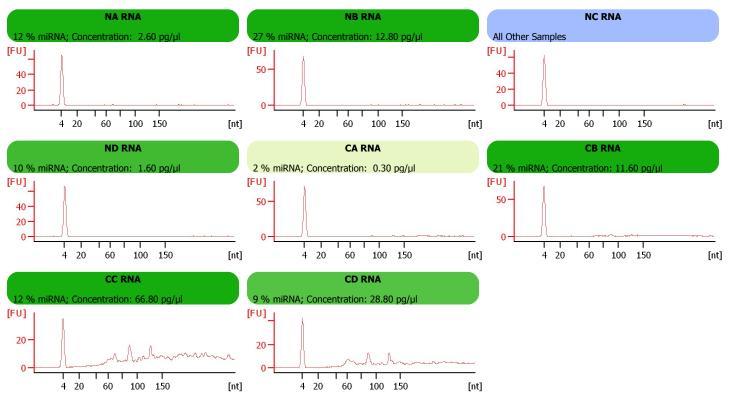
Assay Class: Small RNA C:\... bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad Data Path: **Electrophoresis File Run Summary**

5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM Created: Modified:



Instrument Informati	<u>on:</u>						
Instrument Name:	DE13701086	Firmware:	C.01.069				
Serial#:	DE13701086	Type:	G2938B				
Assay Information:							
Assay Origin Path:	Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Small RNA Series II.xsy						
Assay Class:	Small RNA						
Version:	1.2						
Assay Comments:	Small RNA Analysis 6 - 150 nu	Icleotides					
	© Copyright 2007 - 2009 Agil	ent Technol	ogies, Inc.				
Chip Information:							
Chip Lot #:							
Reagent Kit Lot #:							
Chip Comments:							

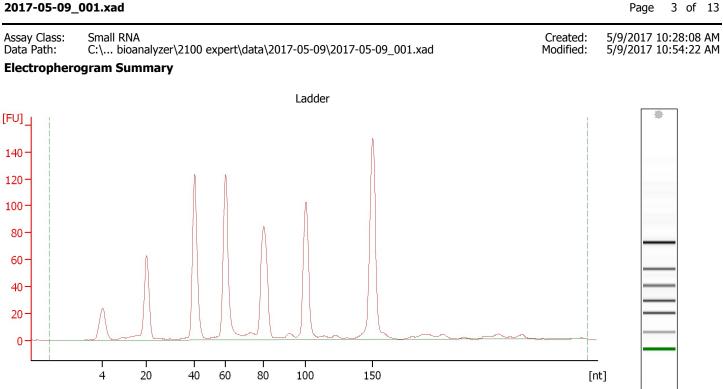
1 2 4 5 6 7 8 9 10 11 L З



Assay Class: Data Path:	Small RNA C:\ bioanalyzer\2100 expert\data\201	17-05-09\	2017-05-09_001.xad		Created: Modified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM
Electrophore	esis File Run Summary (Chip Sumn	nary)				
Sample Name	Sample Comment	Status	Result Label	Result Color		
NA RNA		~	12 % miRNA; Concentration: 2.60 pg/µl			
NB RNA		~	27 % miRNA; Concentration: 12.80 pg/µl			
NC RNA		~	All Other Samples			
ND RNA		*	10 % miRNA; Concentration: 1.60 pg/µl			
ca rna		*	2 % miRNA; Concentration: 0.30 pg/µl			
CB RNA		~	21 % miRNA; Concentration: 11.60 pg/µl			
CC RNA		*	12 % miRNA; Concentration: 66.80 pg/µl			
CD RNA		~	9 % miRNA; Concentration: 28.80 pg/µl			
Ladder		~	Number of Peaks: 6			
Chip Lot #			Reagent Kit Lot	#		

Chip Comments :

2017-05-09_001.xad



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Overall Results for Ladder

Result Flagging Color:

Result Flagging Label: Number of Peaks: 6

2017-05-09_	001.xad		Page 4 of 13				
Assay Class: Data Path:	Assay Class: Small RNA Cr Data Path: C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad Mo						
Electrophero	ogram Summary Continued						
	NA RNA						
[FU]-			•				
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0	And have a set of the second and the second second and the second s						
	4 20 40 60 80 100 150	[nt]				

Overall Results for sample 1 :	NA RNA		
Small RNA Concentration [pg/µl]:	21.7	Result Flagging Color:	
miRNA Concentration [pg/µl]:	2.6	Result Flagging Label:	12 % miRNA;
miRNA / Small RNA Ratio [%]:	12		Concentration: 2.60 pg/µl

Region table for sample 1 : <u>NA RNA</u>							
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	298	39	100.0	21.7	100	
miRNA	10	40	26	39.7	2.6	12	

\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad	Modified	5/9/2017 10:28:08 AM
am Summary Continued	Modified:	5/9/2017 10:54:22 AM
NB RNA		
		•
<u></u>		
-	NB RNA	NB RNA

Overall Results for sample 2 :	NB RNA	
Small RNA Concentration [pg/µl]:	46.7	Result Flagging Color:
miRNA Concentration [pg/µl]:	12.8	Result Flagging Label:
miRNA / Small RNA Ratio [%]:	27	

27 % miRNA;	
Concentration: 12.80)
pg/µl	

Region ta	able for sa	mple 2 :	NB RNA				
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	290	64	100.0	46.7	100	
miRNA	10	40	22	41.8	12.8	27	

2017-05-09 <u>-</u>	_001.xad									Page 6 of 1
Assay Class: Data Path: Electropher	Assay Class: Small RNA Data Path: C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad Electropherogram Summary Continued						Created: Modified:	5/9/2017 10:28:08 A 5/9/2017 10:54:22 A		
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	4	20	1 40	60	80	100	150		[n	t]
Overall Resu	lts for sampl	e3:	<u>NC R</u>	NA						
Small RNA Co	ncentration [pg/	μl]:	3.5			Result F	agging Color:			
miRNA Concer	ntration [pg/µl]:		0.0			Result F	agging Label:	All Other Sam	ples	
miRNA / Small	RNA Ratio [%]:	:	0							

Region ta	ble for sa	mple 3 :	NC RNA				
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	286	14	100.0	3.5	100	
miRNA	10	40	12	0.0	0.0	0	

2017-05-09_	_001.xad				Page 7 of 13
Assay Class: Data Path:	Small RNA C:\ bioanalyzer\210	0 expert\data\2017-05-09\2017-05-09	C	Created: odified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM
Electropher	ogram Summary Cor	ntinued			
		ND RNA			
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40 - 30 -					
20-					
10-					
0	- <u>- </u>				
	4 20	40 60 80 100	150	[nt	.]

Overall Results for sample 4 :	ND RNA	
Small RNA Concentration [pg/µl]:	15.5	Result Flagging Color:
miRNA Concentration [pg/µl]:	1.6	Result Flagging Label:
miRNA / Small RNA Ratio [%]:	10	

10 % miRNA; Concentration: 1.60 pg/µl

Region ta	able for sa	mple 4 :	ND RNA				
Name	From [nt]	To [nt]	Average Size	Size distribution in CV	Conc.	% of Total	Col
			[nt]	[%]	[pg/µl]		or
Small RNA	0	284	39	100.0	15.5	100	
miRNA	10	40	27	21.4	1.6	10	

2017-05-09_	001.xad		Page 8 of 13
Assay Class: Data Path: Electrophero	Small RNA C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad gram Summary Continued	Created: Modified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM
	CA RNA		
[FU]			
70 -			
60 -			
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10-			
0		<u></u>	
	4 20 40 60 80 100 150	[nt	:]

Overall Results for sample 5 :	<u>CA RNA</u>		
Small RNA Concentration [pg/µl]:	15.7	Result Flagging Color:	
miRNA Concentration [pg/µl]:	0.3	Result Flagging Label:	2 %
miRNA / Small RNA Ratio [%]:	2		Con pg/µ

2 % miRNA;	
Concentration:	0.30
pg/µl	

Region ta	ble for sa	mple 5 :	<u>CA RNA</u>				
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	285	50	100.0	15.7	100	
miRNA	10	40	33	10.3	0.3	2	

Assay Class: Data Path:	Small RNA C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001	.xad Created: Modified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM
Electropher	ogram Summary Continued		
	CB RNA		
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0			
L	4 20 40 60 80 100 150	ſr	. .t]

Overall Results for sample 6 :	<u>CB RNA</u>	
Small RNA Concentration [pg/µl]:	54.3	Result Flagging Color:
miRNA Concentration [pg/µl]:	11.6	Result Flagging Label:
miRNA / Small RNA Ratio [%]:	21	

21 % miR	NA;
Concentra	ation: 11.60
pg/µl	

Region ta	ble for sa	mple 6 :	<u>CB RNA</u>				
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV	Conc.	% of Total	
Small RNA	0	288	[11C] 75	[98] 100.0	[pg/µl] 54.3	100	or
miRNA	10	200 40	25	35.2	11.6	21	

2017-05-09_	001.xad					Page 10 of 13
Assay Class: Data Path:	Small RNA C:\ bioanalyzer\2100		17-05-09\2017-(05-09_001.xad	Created: Modified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM
Electrophere	ogram Summary Con	tinued				
			CC RNA			
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-	4 20	40 60 80) 100	150	[nt	.]

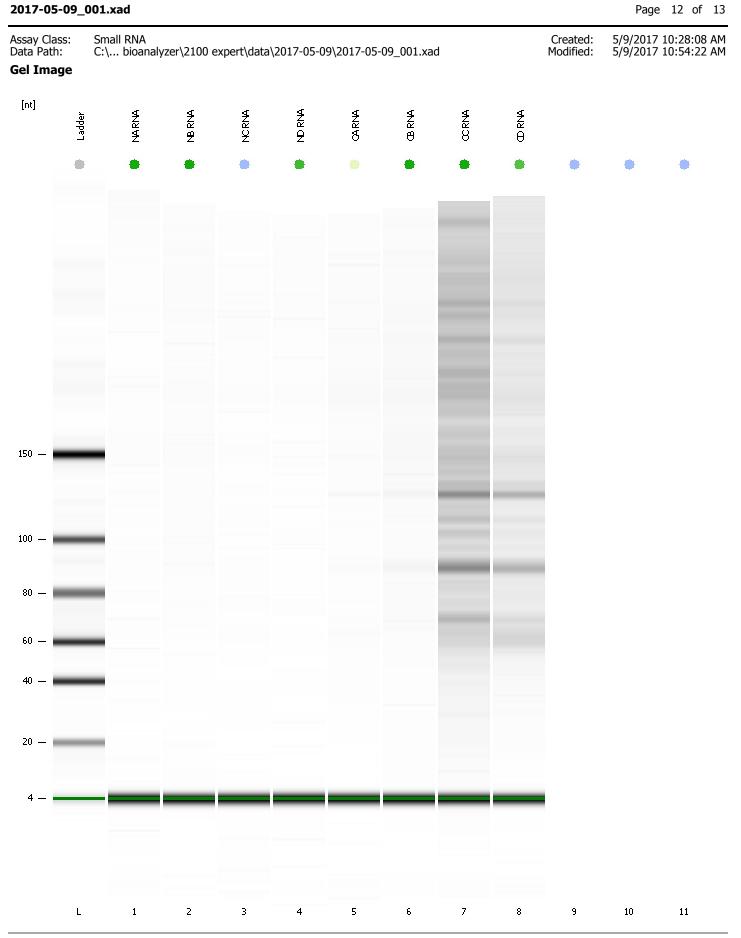
Overall Results for sample 7 :	CC RNA		
Small RNA Concentration [pg/µl]:	557.0	Result Flagging Color:	
miRNA Concentration [pg/µl]:	66.8	Result Flagging Label:	12 % miRNA;
miRNA / Small RNA Ratio [%]:	12		Concentration: 66.80 pg/µl

Region table for sample 7 : <u>CC RNA</u>							
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	292	150	55.3	557.0	100	
miRNA	10	40	27	31.5	66.8	12	

2017-05-09_001.xad Page 11 of 13					
Assay Class: Data Path: Electropher	Assay Class: Small RNA Created: Data Path: C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad Modified: Electropherogram Summary Continued Continued Created:				
•	CD RNA				
[FU] _ 40 - 35 - 30 - 25 - 20 - 15 - 10 - 5 - 0	4 20 40 60 80 100 150	 [n			

Overall Results for sample 8 :	CD RNA		
Small RNA Concentration [pg/µl]:	314.3	Result Flagging Color:	
miRNA Concentration [pg/µl]:	28.8 Result Flagging Label: 9	Result Flagging Label:	9 % miRNA;
miRNA / Small RNA Ratio [%]:			Concentration: 28.80 pg/µl

Region ta	ble for sa	nple 8 :	CD RNA				
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA miRNA	0 10	295 40	132 29	66.7 28.3	314.3 28.8	100 9	



2017-05-09_001.xad			Page 13 of 13
Assay Class: Data Path: Invalid Sam	Small RNA C:\ bioanalyzer\2100 expert\data\2017-05-09\2017-05-09_001.xad ples	Created: Modified:	5/9/2017 10:28:08 AM 5/9/2017 10:54:22 AM

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.