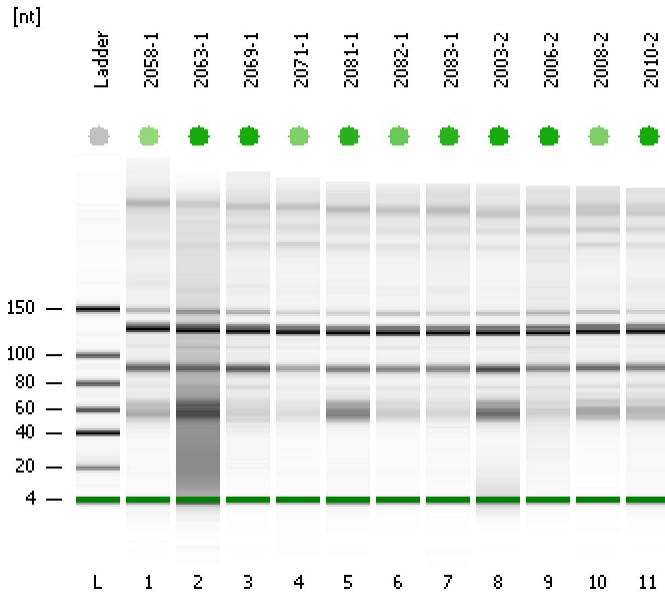


Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
Modified: 6/15/2017 10:05:53 AM

Electrophoresis File Run Summary



Instrument Information:

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\Small RNA Series II.xsy

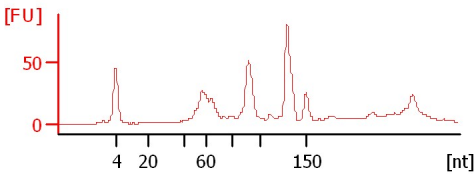
Assay Class: Small RNA
Version: 1.2
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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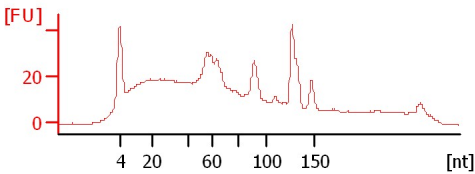
Chip Information:

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

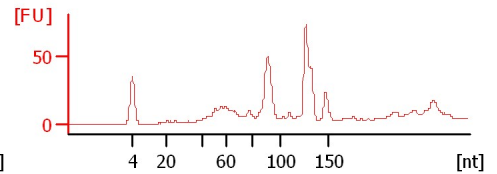
2058-1
6 % miRNA; Concentration: 118.80 pg/µl



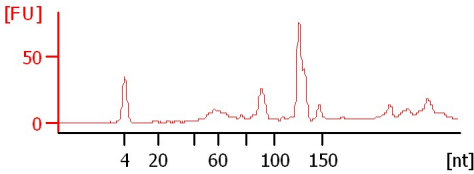
2063-1
51 % miRNA; Concentration: 1746.50 pg/µl



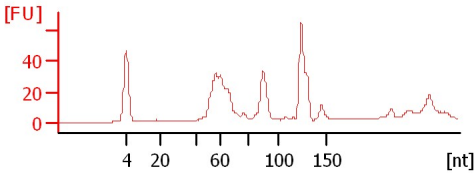
2069-1
13 % miRNA; Concentration: 310.10 pg/µl



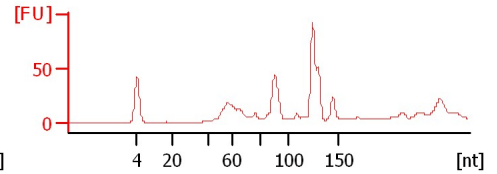
2071-1
7 % miRNA; Concentration: 116 pg/µl



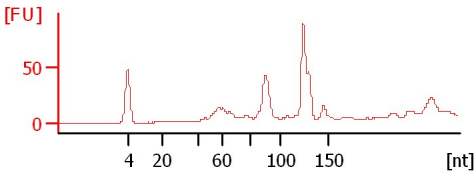
2081-1
11 % miRNA; Concentration: 177.30 pg/µl



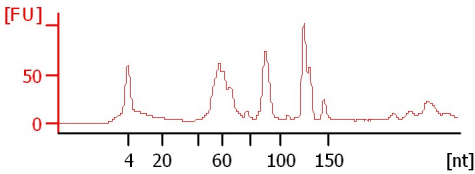
2082-1
8 % miRNA; Concentration: 141.40 pg/µl



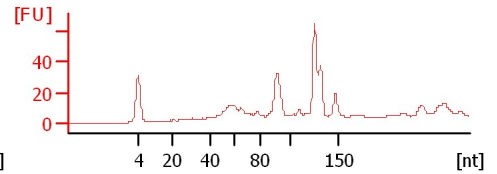
2083-1
11 % miRNA; Concentration: 191.10 pg/µl



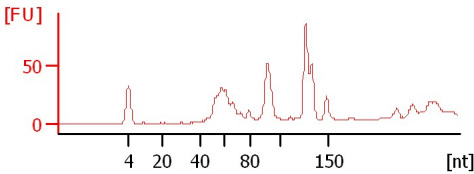
2003-2
12 % miRNA; Concentration: 136.60 pg/µl



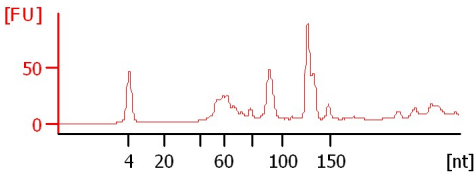
2006-2
19 % miRNA; Concentration: 453.20 pg/µl



2008-2
7 % miRNA; Concentration: 184.20 pg/µl















2010-2
12 % miRNA; Concentration: 229.10 pg/µl



Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
 Modified: 6/15/2017 10:05:53 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2058-1		✓	6 % miRNA; Concentration: 118.80 pg/μl	
2063-1		✓	51 % miRNA; Concentration: 1746.50 pg/μl	
2069-1		✓	13 % miRNA; Concentration: 310.10 pg/μl	
2071-1		✓	7 % miRNA; Concentration: 116 pg/μl	
2081-1		✓	11 % miRNA; Concentration: 177.30 pg/μl	
2082-1		✓	8 % miRNA; Concentration: 141.40 pg/μl	
2083-1		✓	11 % miRNA; Concentration: 191.10 pg/μl	
2003-2		✓	12 % miRNA; Concentration: 136.60 pg/μl	
2006-2		✓	19 % miRNA; Concentration: 453.20 pg/μl	
2008-2		✓	7 % miRNA; Concentration: 184.20 pg/μl	
2010-2		✓	12 % miRNA; Concentration: 229.10 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

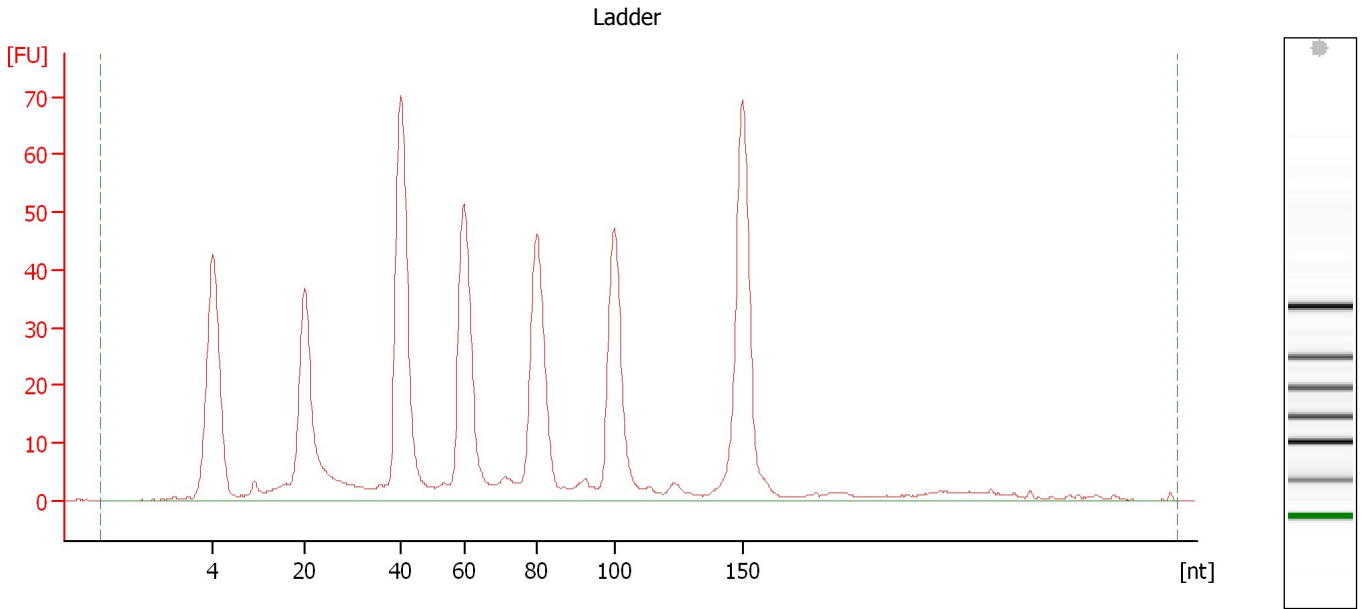
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
Modified: 6/15/2017 10:05:53 AM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

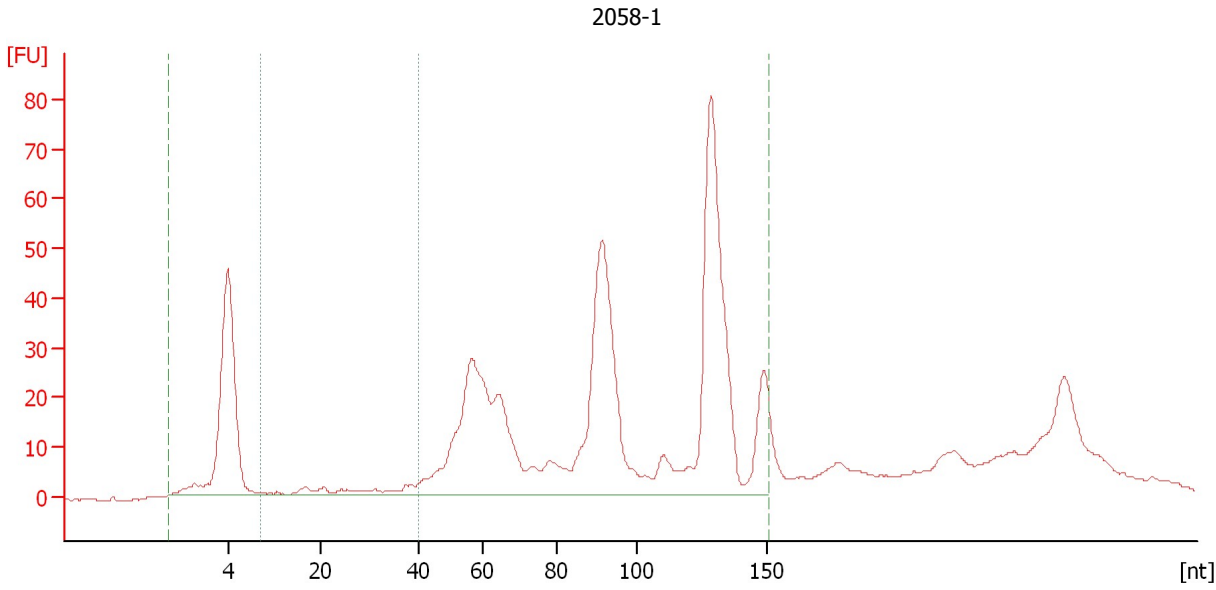
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 2058-1

Small RNA Concentration [pg/μl]:	1,839.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	118.8	Result Flagging Label:	6 % miRNA; Concentration: 118.80 pg/μl
miRNA / Small RNA Ratio [%]:	6		

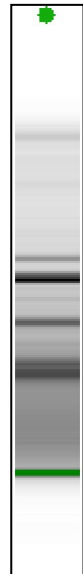
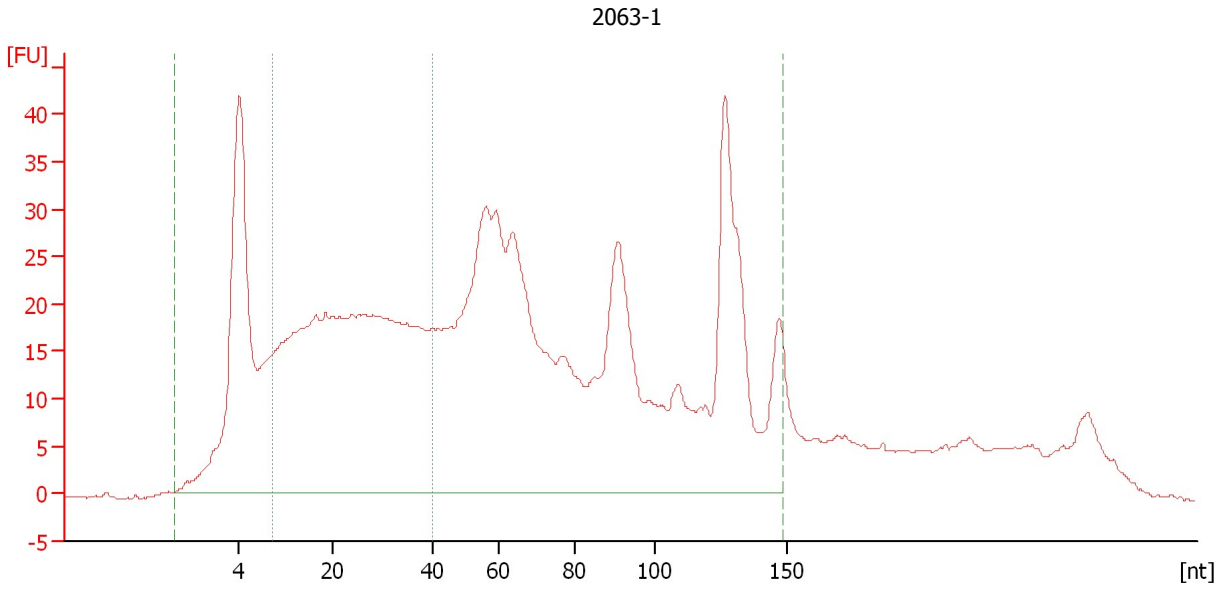
Region table for sample 1 : 2058-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	150	85	51.1	1,839.9	100	
miRNA	10	40	26	33.4	118.8	6	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 2063-1

Small RNA Concentration [pg/μl]:	3,408.3	Result Flagging Color:	
miRNA Concentration [pg/μl]:	1,746.5	Result Flagging Label:	51 % miRNA; Concentration: 1746.50 pg/μl
miRNA / Small RNA Ratio [%]:	51		

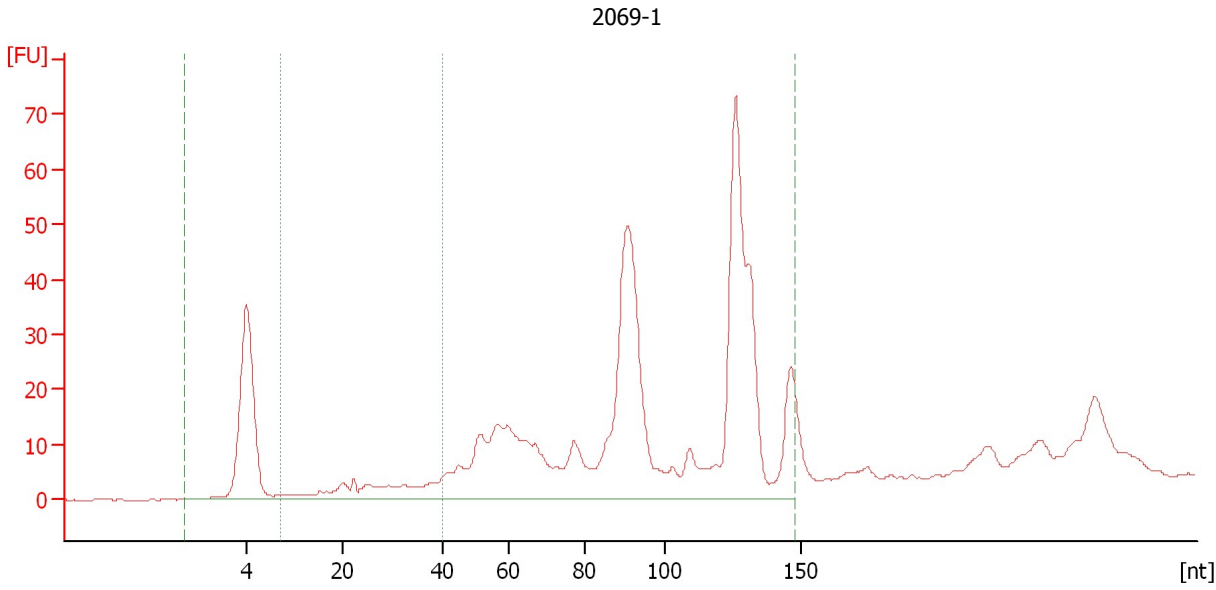
Region table for sample 2 : 2063-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	148	59	70.1	3,408.3	100	
miRNA	10	40	24	36.0	1,746.5	51	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 2069-1

Small RNA Concentration [pg/μl]:	2,359.3	Result Flagging Color:	
miRNA Concentration [pg/μl]:	310.1	Result Flagging Label:	13 % miRNA; Concentration: 310.10 pg/μl
miRNA / Small RNA Ratio [%]:	13		

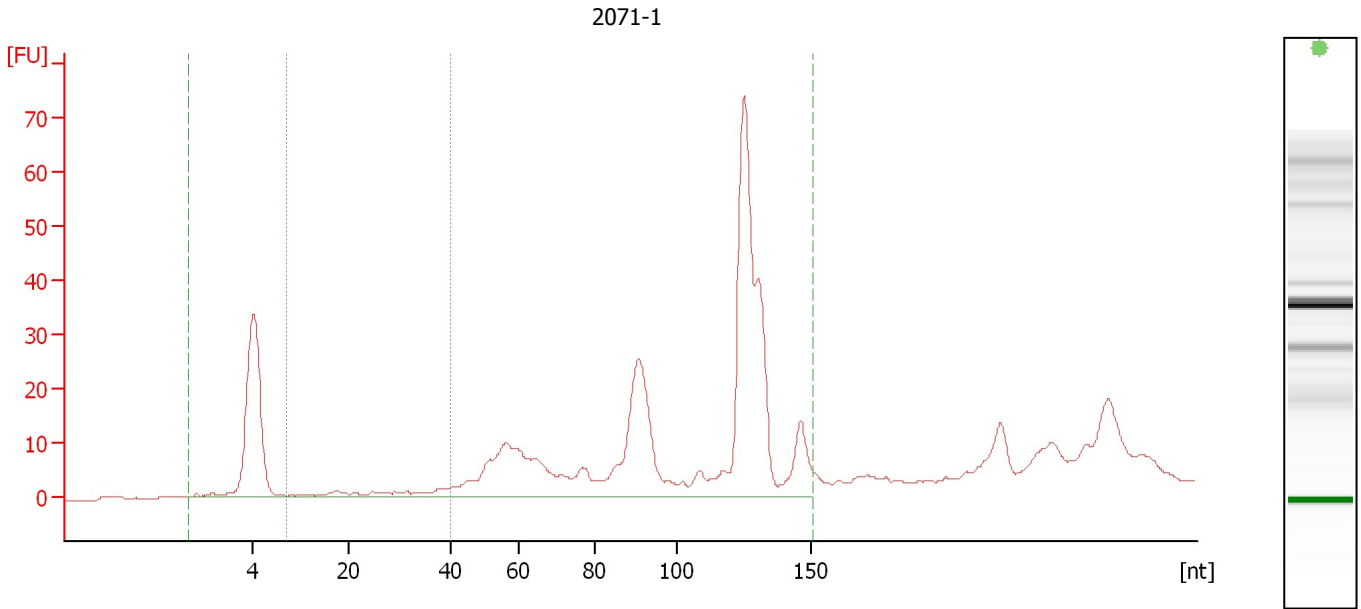
Region table for sample 3 : 2069-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	148	86	48.3	2,359.3	100	
miRNA	10	40	27	30.6	310.1	13	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 2071-1

Small RNA Concentration [pg/μl]:	1,585.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	116.0	Result Flagging Label:	7 % miRNA; Concentration: 116 pg/μl
miRNA / Small RNA Ratio [%]:	7		

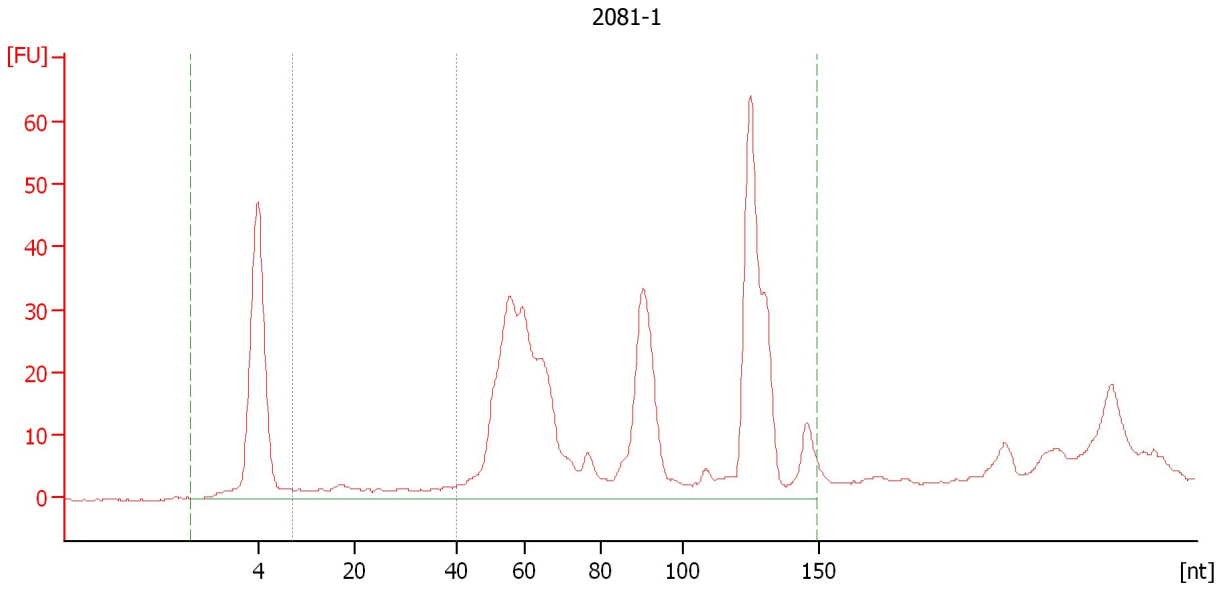
Region table for sample 4 : 2071-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	90	50.0	1,585.9	100	
miRNA	10	40	27	31.9	116.0	7	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 2081-1

Small RNA Concentration [pg/μl]: 1,594.1
 miRNA Concentration [pg/μl]: 177.3
 miRNA / Small RNA Ratio [%]: 11

Result Flagging Color:
 Result Flagging Label: 11 % miRNA;
 Concentration: 177.30
 pg/μl

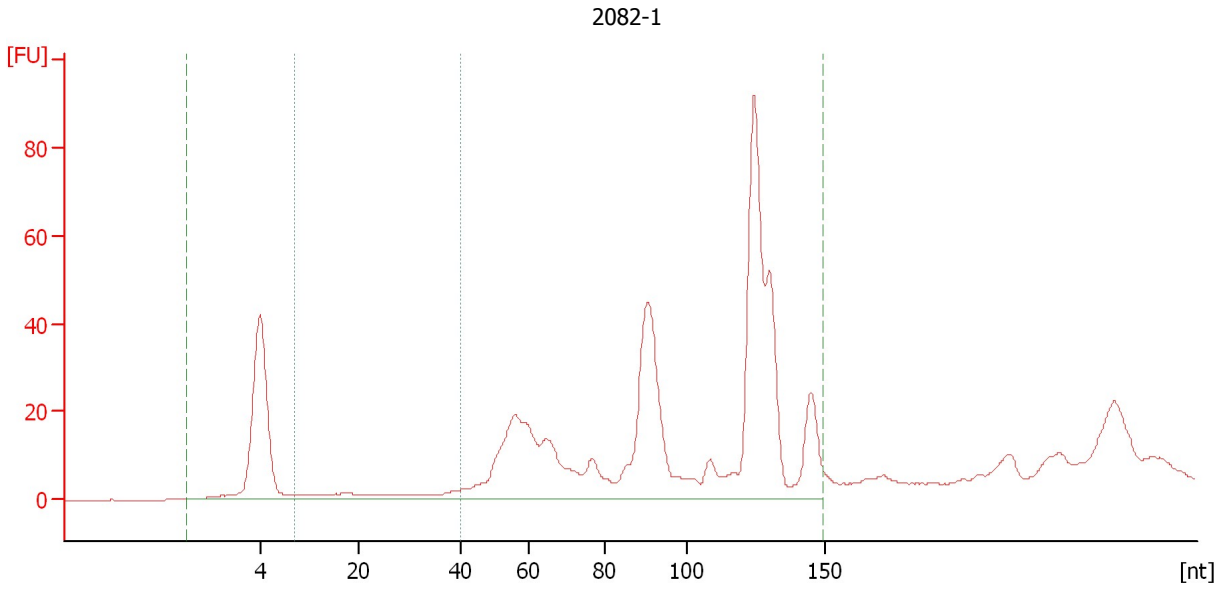
Region table for sample 5 : 2081-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	75	56.9	1,594.1	100	
miRNA	10	40	24	37.1	177.3	11	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

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 Modified: 6/15/2017 10:05:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2082-1

Small RNA Concentration [pg/μl]: 1,871.3
 miRNA Concentration [pg/μl]: 141.4
 miRNA / Small RNA Ratio [%]: 8

Result Flagging Color:
 Result Flagging Label: 8 % miRNA;
 Concentration: 141.40
 pg/μl

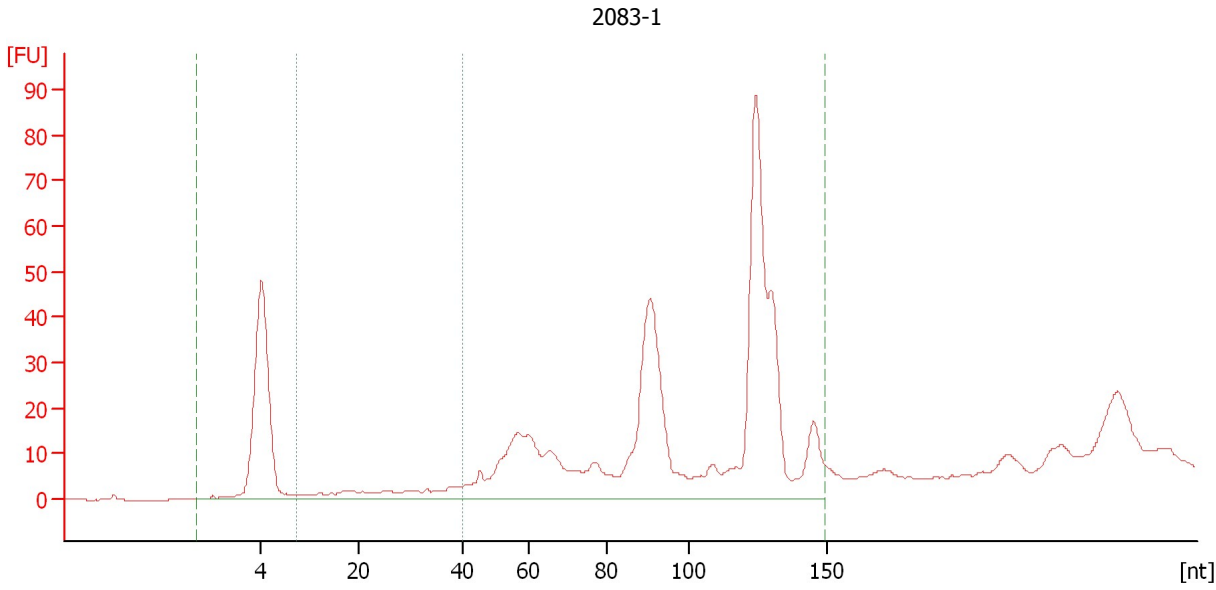
Region table for sample 6 : 2082-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	88	48.9	1,871.3	100	
miRNA	10	40	25	36.7	141.4	8	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
 Modified: 6/15/2017 10:05:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2083-1

Small RNA Concentration [pg/μl]:	1,680.4	Result Flagging Color:	
miRNA Concentration [pg/μl]:	191.1	Result Flagging Label:	11 % miRNA; Concentration: 191.10 pg/μl
miRNA / Small RNA Ratio [%]:	11		

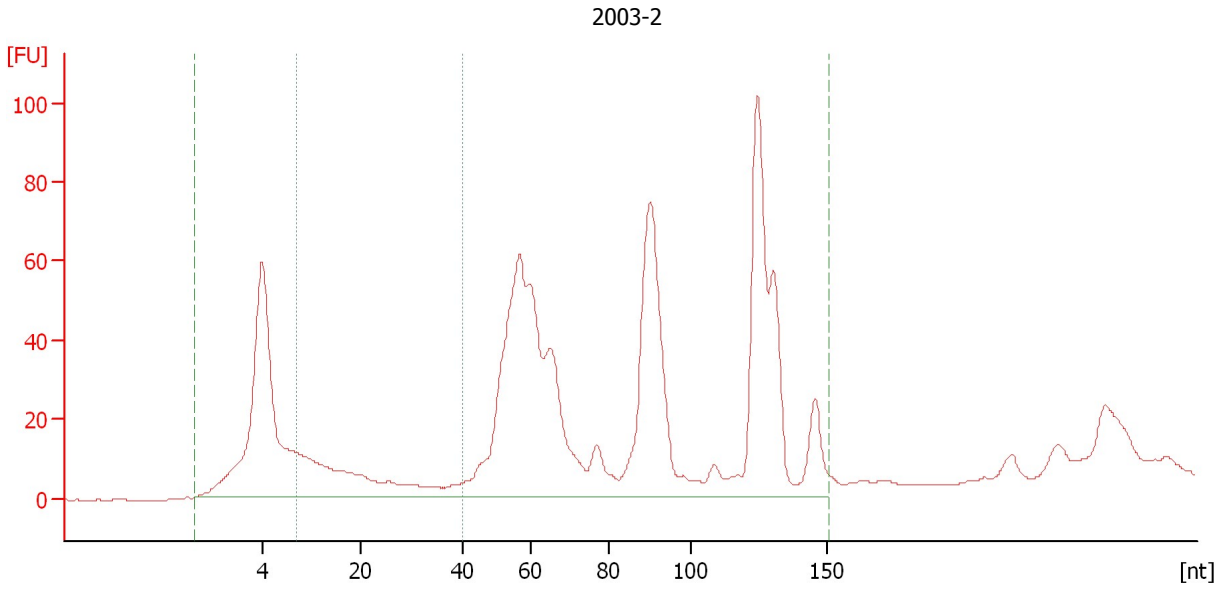
Region table for sample 7 : 2083-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	86	51.4	1,680.4	100	
miRNA	10	40	26	34.1	191.1	11	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : 2003-2

Small RNA Concentration [pg/μl]:	1,152.5	Result Flagging Color:	
miRNA Concentration [pg/μl]:	136.6	Result Flagging Label:	12 % miRNA; Concentration: 136.60 pg/μl
miRNA / Small RNA Ratio [%]:	12		

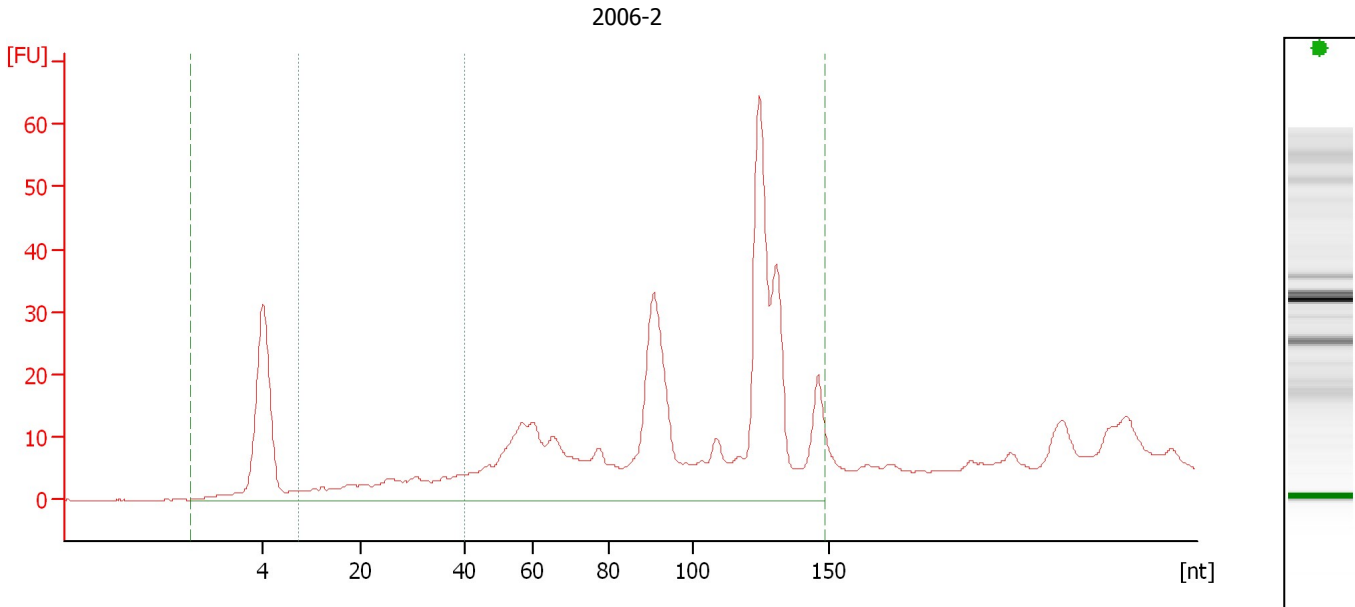
Region table for sample 8 : 2003-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	72	59.9	1,152.5	100	
miRNA	10	40	20	42.9	136.6	12	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 2006-2

Small RNA Concentration [pg/μl]:	2,435.2	Result Flagging Color:	
miRNA Concentration [pg/μl]:	453.2	Result Flagging Label:	19 % miRNA; Concentration: 453.20 pg/μl
miRNA / Small RNA Ratio [%]:	19		

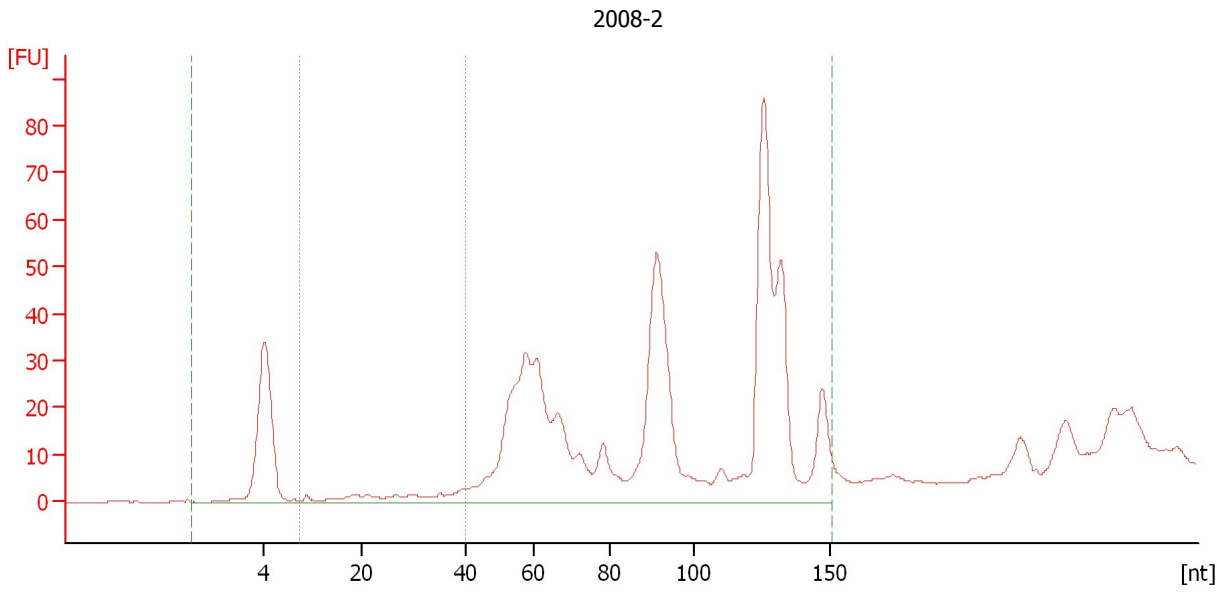
Region table for sample 9 : 2006-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	84	51.5	2,435.2	100	
miRNA	10	40	26	32.4	453.2	19	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
 Modified: 6/15/2017 10:05:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 2008-2

Small RNA Concentration [pg/μl]:	2,833.2	Result Flagging Color:	
miRNA Concentration [pg/μl]:	184.2	Result Flagging Label:	7 % miRNA; Concentration: 184.20 pg/μl
miRNA / Small RNA Ratio [%]:	7		

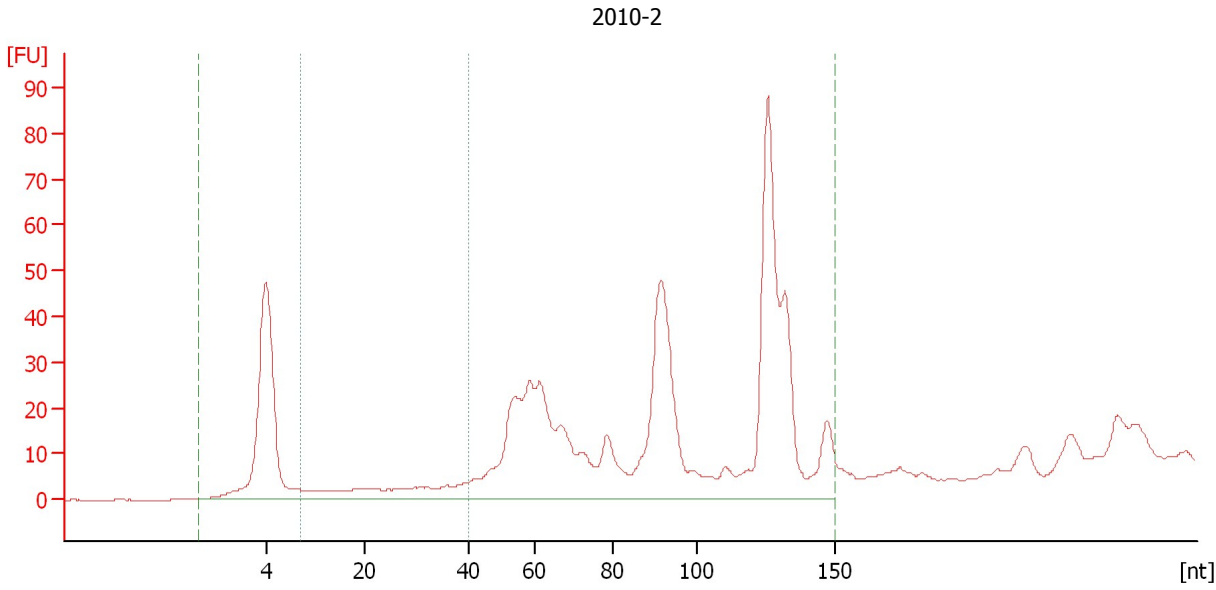
Region table for sample 10 : 2008-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	88	45.7	2,833.2	100	
miRNA	10	40	27	31.7	184.2	7	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 2010-2

Small RNA Concentration [pg/μl]:	1,840.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	229.1	Result Flagging Label:	12 % miRNA; Concentration: 229.10 pg/μl
miRNA / Small RNA Ratio [%]:	12		

Region table for sample 11 : 2010-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	82	52.6	1,840.0	100	
miRNA	10	40	26	35.2	229.1	12	

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_002.xad

Created: 6/15/2017 9:21:56 AM
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