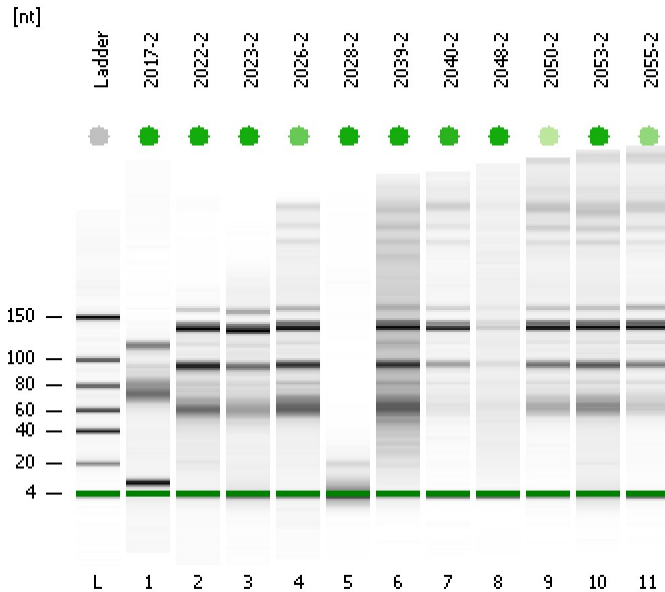


Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

Assay Information:

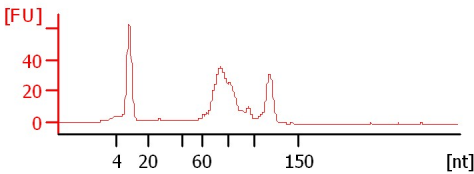
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Small RNA Series II.xsy
 Assay Class: Small RNA
 Version: 1.2
 Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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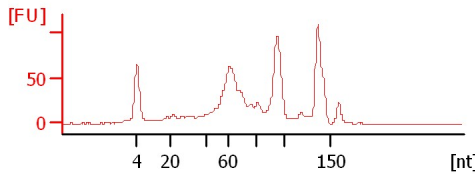
Chip Information:

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

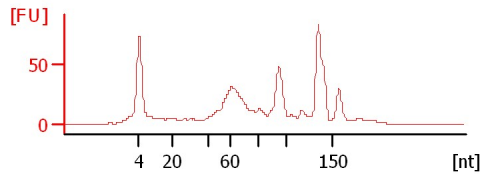
2017-2
 41 % miRNA; Concentration: 3991.20 pg/µl



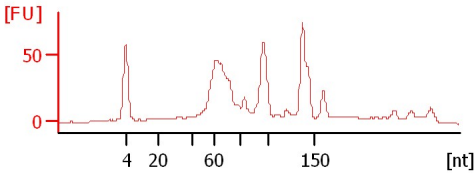
2022-2
 20 % miRNA; Concentration: 455.50 pg/µl



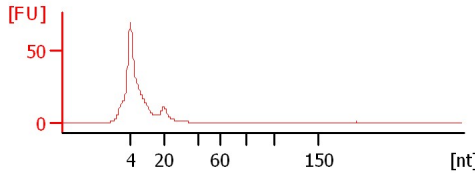
2023-2
 17 % miRNA; Concentration: 165.60 pg/µl



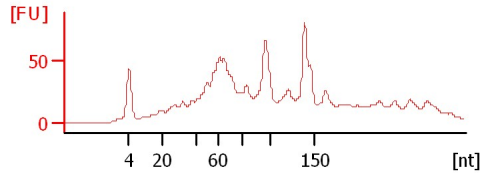
2026-2
 8 % miRNA; Concentration: 129.60 pg/µl



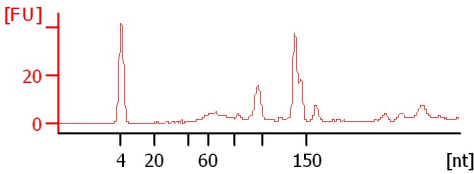
2028-2
 100 % miRNA; Concentration: 93.40 pg/µl



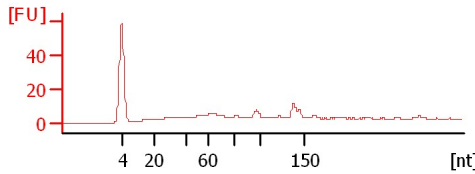
2039-2
 27 % miRNA; Concentration: 972.80 pg/µl



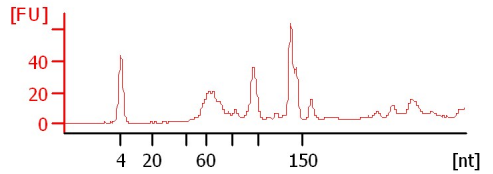
2040-2
 11 % miRNA; Concentration: 68.40 pg/µl



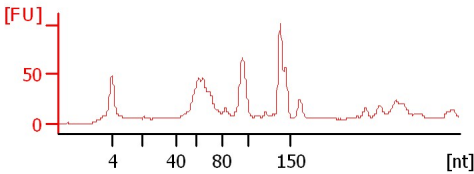
2048-2
 42 % miRNA; Concentration: 273.50 pg/µl



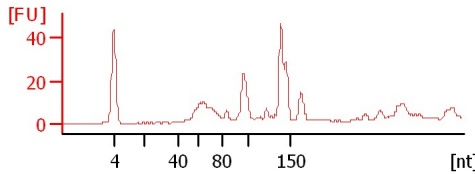
2050-2
 4 % miRNA; Concentration: 53 pg/µl



2053-2
 21 % miRNA; Concentration: 329 pg/µl















2055-2
 6 % miRNA; Concentration: 50.90 pg/µl



Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2017-2		✓	41 % miRNA; Concentration: 3991.20 pg/μl	
2022-2		✓	20 % miRNA; Concentration: 455.50 pg/μl	
2023-2		✓	17 % miRNA; Concentration: 165.60 pg/μl	
2026-2		✓	8 % miRNA; Concentration: 129.60 pg/μl	
2028-2		✓	100 % miRNA; Concentration: 93.40 pg/μl	
2039-2		✓	27 % miRNA; Concentration: 972.80 pg/μl	
2040-2		✓	11 % miRNA; Concentration: 68.40 pg/μl	
2048-2		✓	42 % miRNA; Concentration: 273.50 pg/μl	
2050-2		✓	4 % miRNA; Concentration: 53 pg/μl	
2053-2		✓	21 % miRNA; Concentration: 329 pg/μl	
2055-2		✓	6 % miRNA; Concentration: 50.90 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

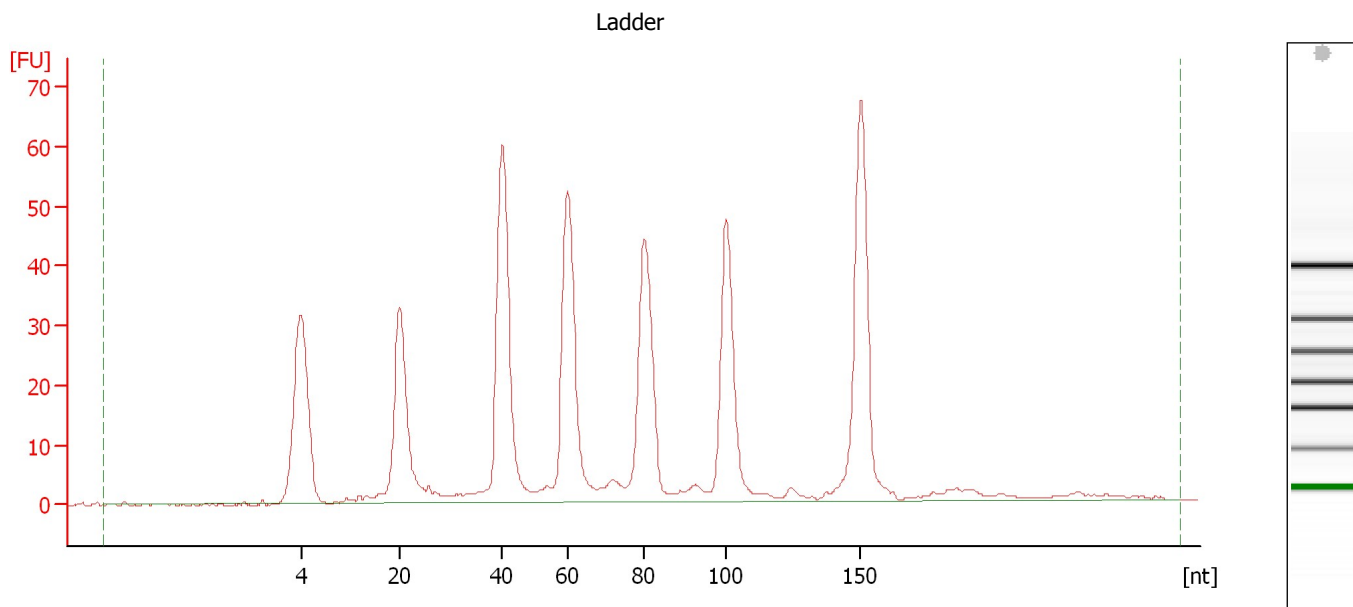
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

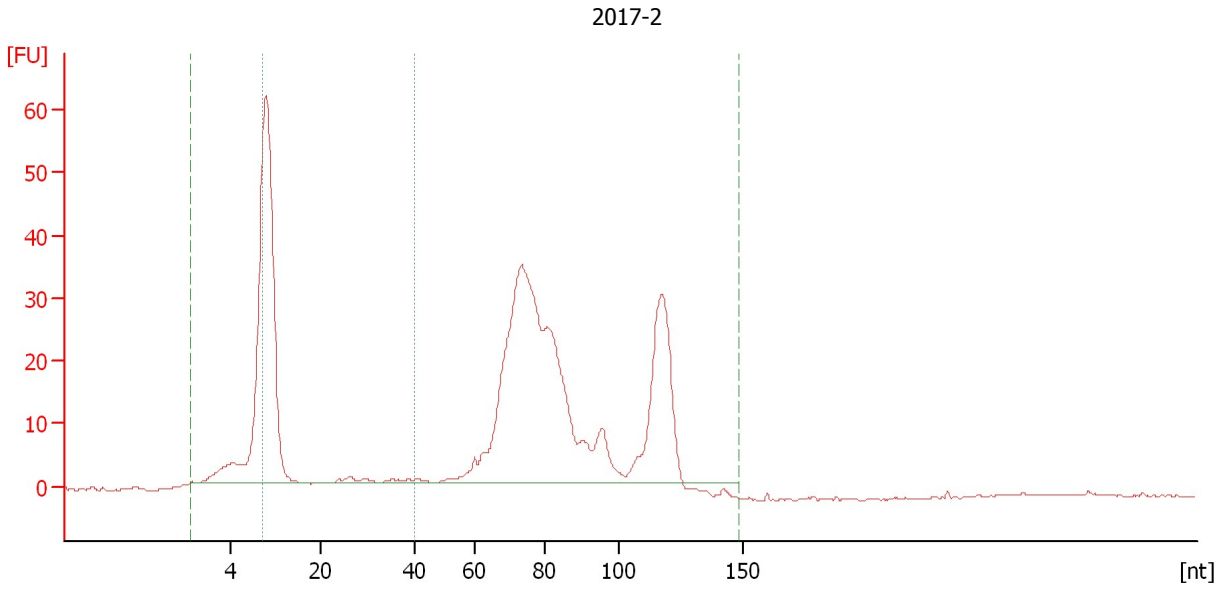
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 2017-2

Small RNA Concentration [pg/μl]:	9,687.5	Result Flagging Color:	
miRNA Concentration [pg/μl]:	3,991.2	Result Flagging Label:	41 % miRNA; Concentration: 3991.20 pg/μl
miRNA / Small RNA Ratio [%]:	41		

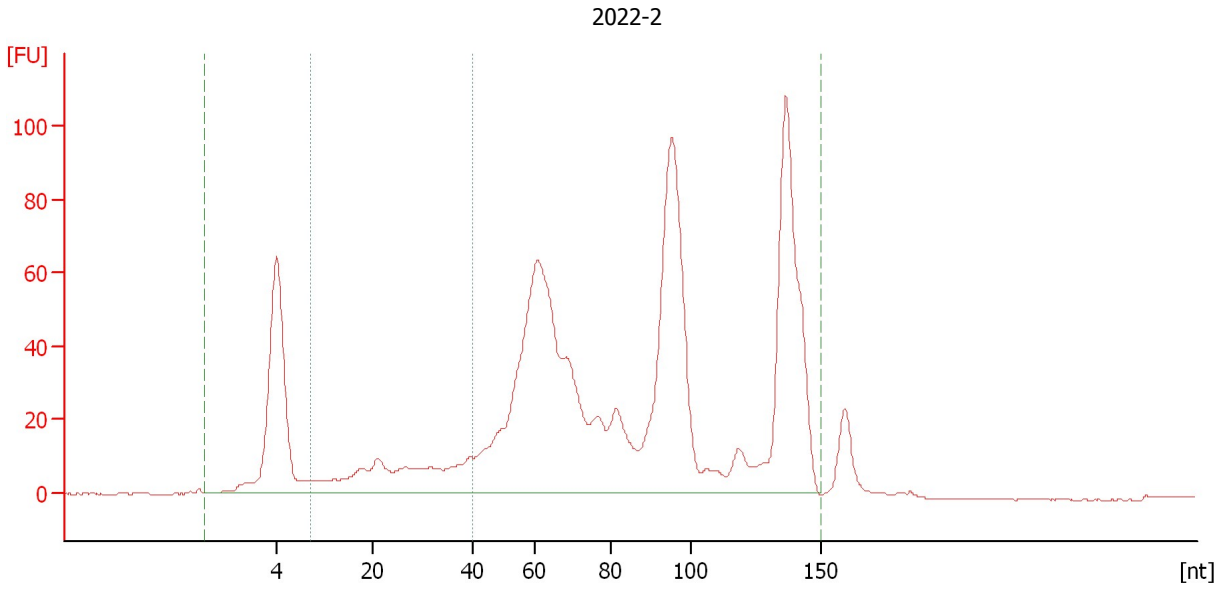
Region table for sample 1 : 2017-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	65	57.8	9,687.5	100	
miRNA	10	40	12	36.7	3,991.2	41	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2022-2

Small RNA Concentration [pg/μl]:	2,307.6	Result Flagging Color:	
miRNA Concentration [pg/μl]:	455.5	Result Flagging Label:	20 % miRNA; Concentration: 455.50 pg/μl
miRNA / Small RNA Ratio [%]:	20		

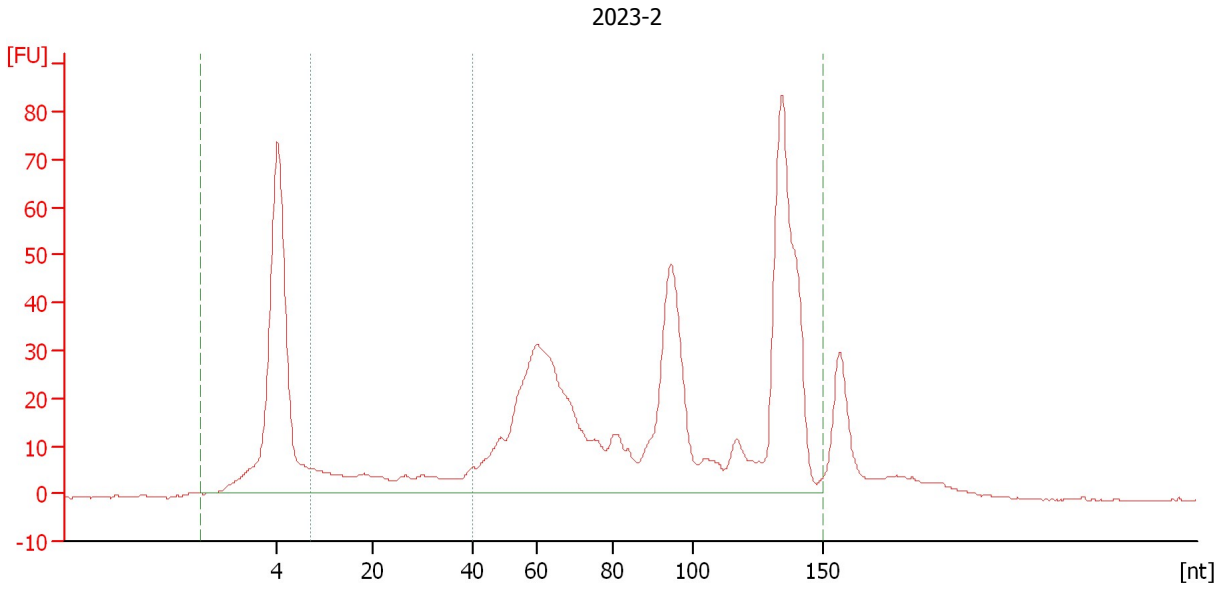
Region table for sample 2 : 2022-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	150	78	52.8	2,307.6	100	
miRNA	10	40	26	32.4	455.5	20	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2023-2

Small RNA Concentration [pg/μl]:	947.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	165.6	Result Flagging Label:	17 % miRNA; Concentration: 165.60 pg/μl
miRNA / Small RNA Ratio [%]:	17		

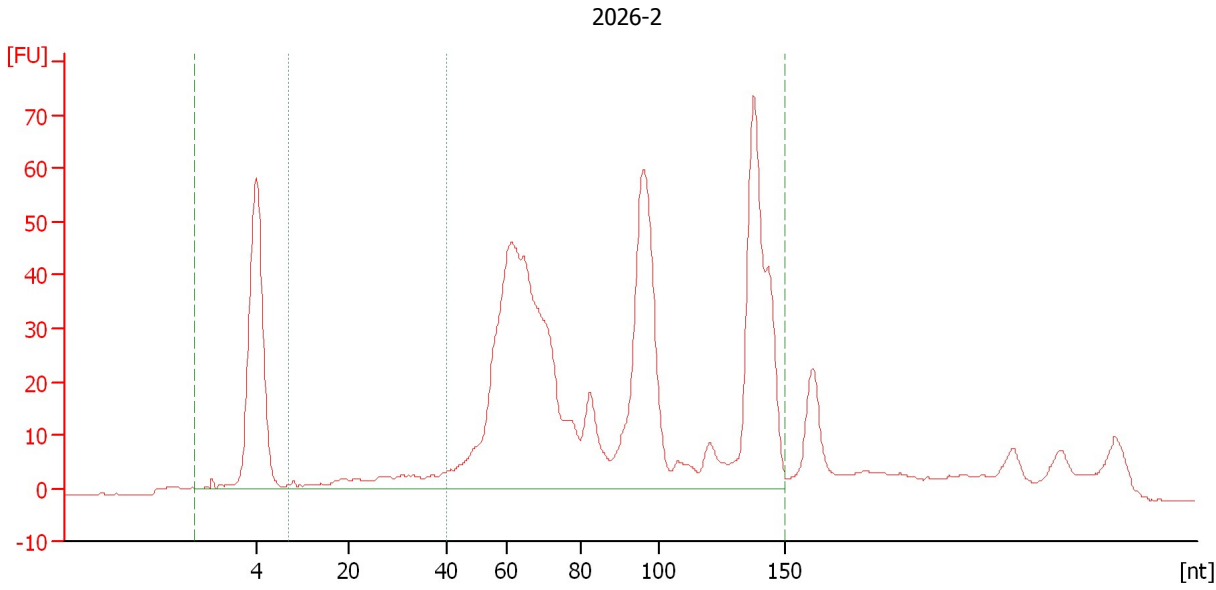
Region table for sample 3 : 2023-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	75	62.9	947.9	100	
miRNA	10	40	23	39.3	165.6	17	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2026-2

Small RNA Concentration [pg/μl]:	1,571.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	129.6	Result Flagging Label:	8 % miRNA; Concentration: 129.60 pg/μl
miRNA / Small RNA Ratio [%]:	8		

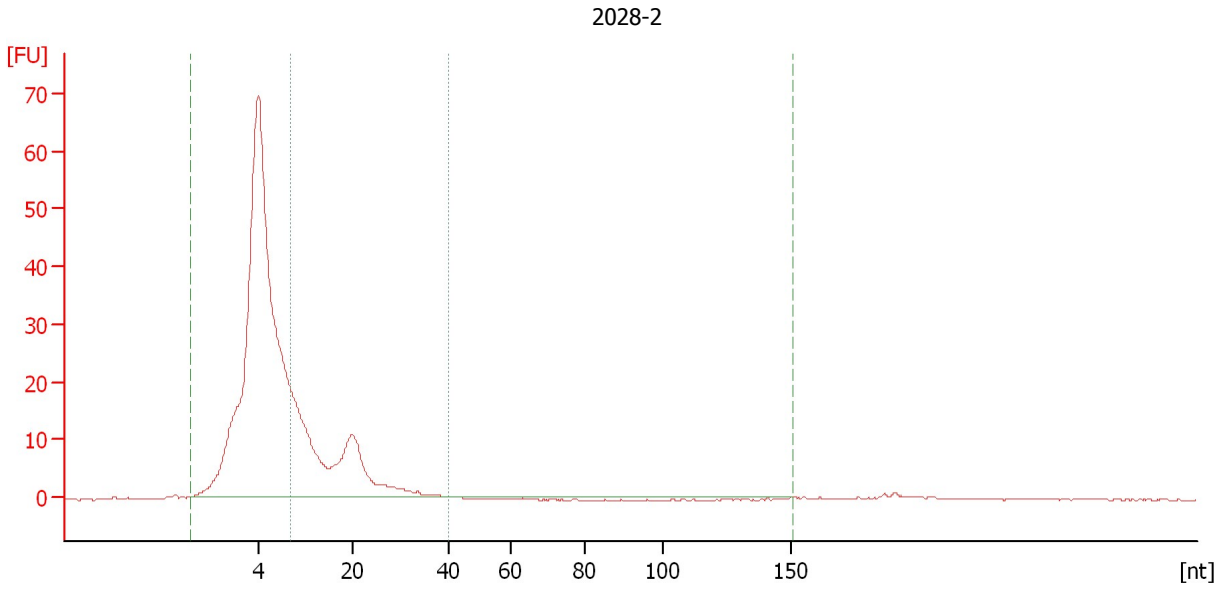
Region table for sample 4 : 2026-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	81	52.1	1,571.9	100	
miRNA	10	40	27	29.8	129.6	8	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2028-2

Small RNA Concentration [pg/μl]:	93.6	Result Flagging Color:	
miRNA Concentration [pg/μl]:	93.4	Result Flagging Label:	100 % miRNA; Concentration: 93.40 pg/μl
miRNA / Small RNA Ratio [%]:	100		

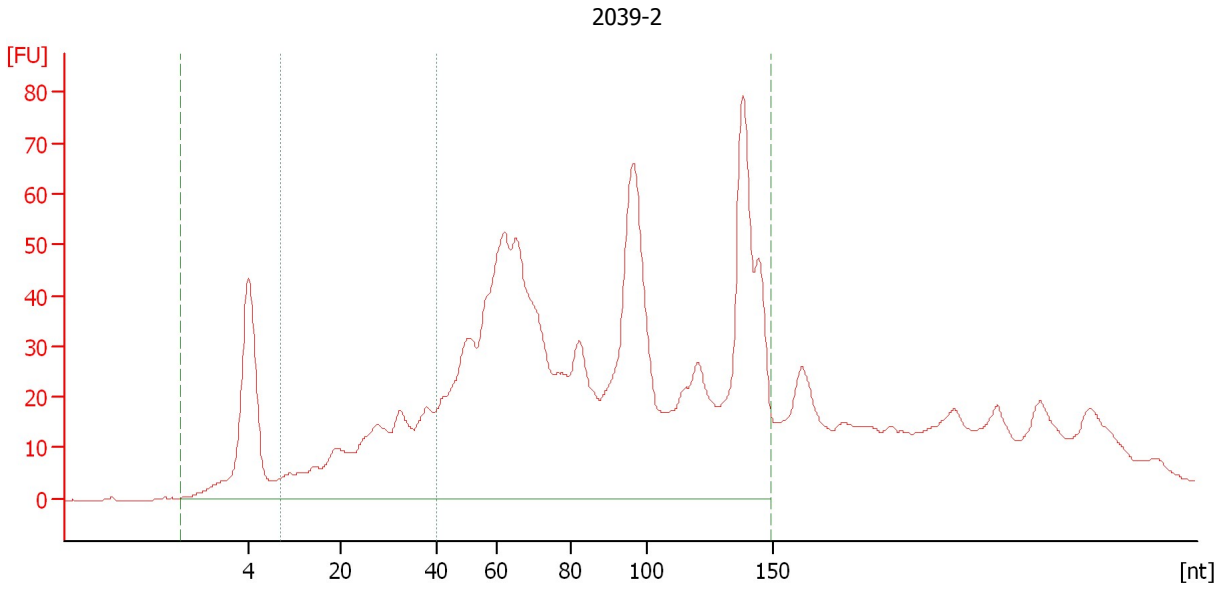
Region table for sample 5 : 2028-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	8	90.7	93.6	100	
miRNA	10	40	17	36.0	93.4	100	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2039-2

Small RNA Concentration [pg/μl]:	3,567.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	972.8	Result Flagging Label:	27 % miRNA; Concentration: 972.80 pg/μl
miRNA / Small RNA Ratio [%]:	27		

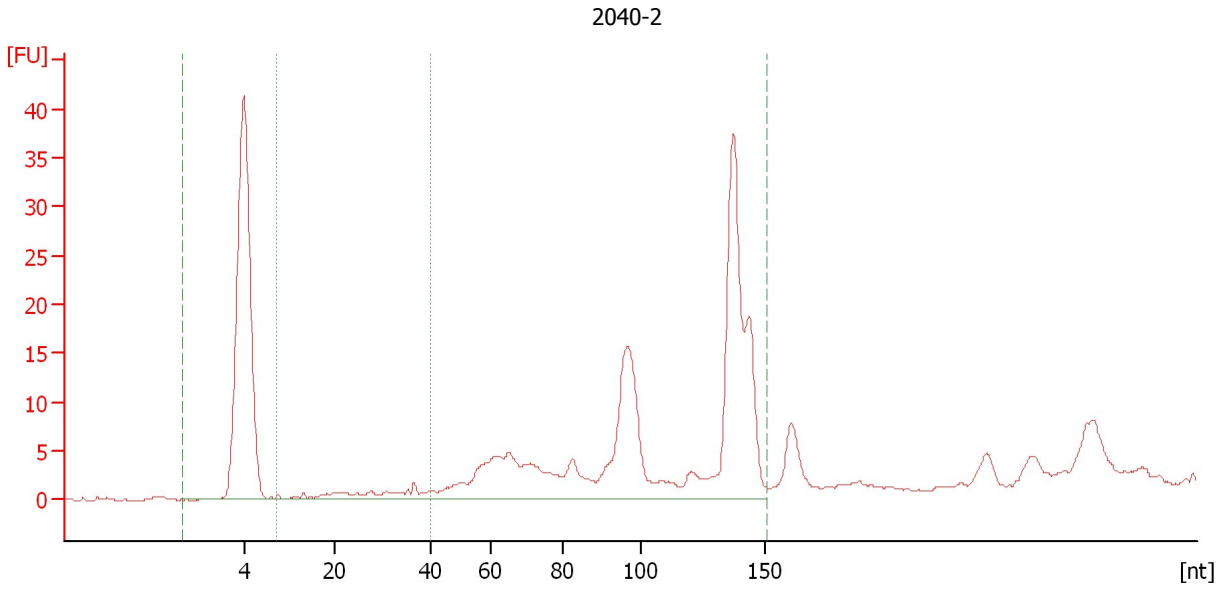
Region table for sample 6 : 2039-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	78	51.9	3,567.0	100	
miRNA	10	40	28	30.0	972.8	27	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : 2040-2

Small RNA Concentration [pg/μl]:	596.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	68.4	Result Flagging Label:	11 % miRNA; Concentration: 68.40 pg/μl
miRNA / Small RNA Ratio [%]:	11		

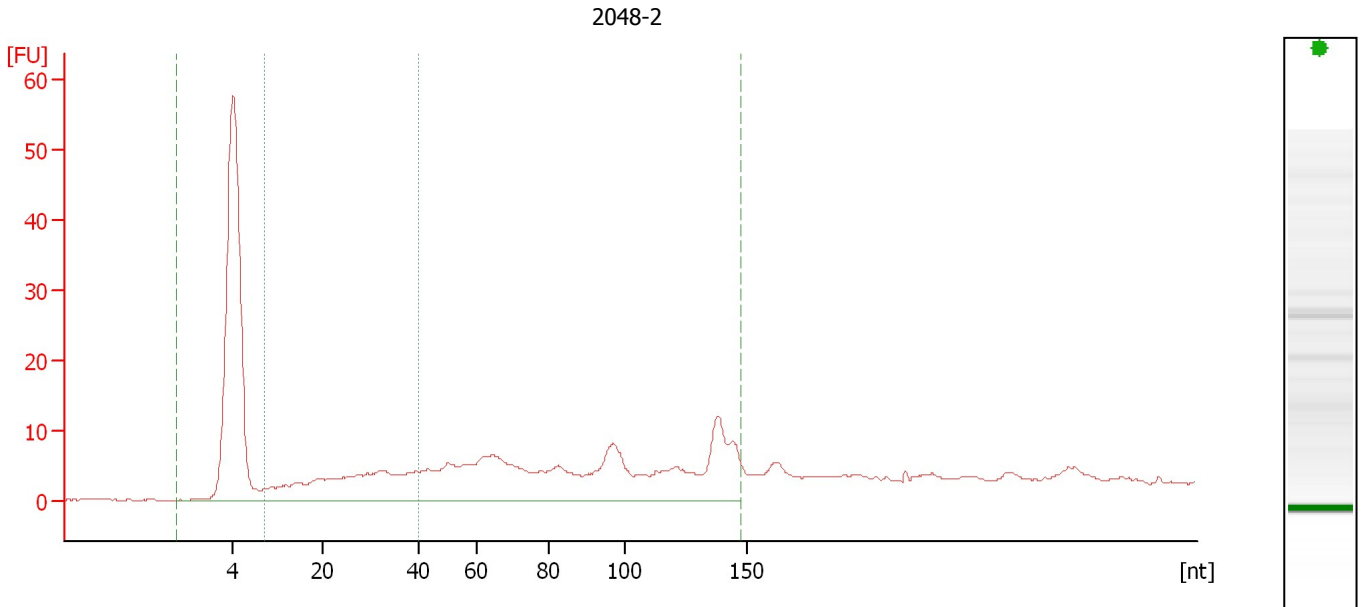
Region table for sample 7 : 2040-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	80	67.5	596.9	100	
miRNA	10	40	27	30.1	68.4	11	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 2048-2

Small RNA Concentration [pg/μl]:	656.6	Result Flagging Color:	
miRNA Concentration [pg/μl]:	273.5	Result Flagging Label:	42 % miRNA; Concentration: 273.50 pg/μl
miRNA / Small RNA Ratio [%]:	42		

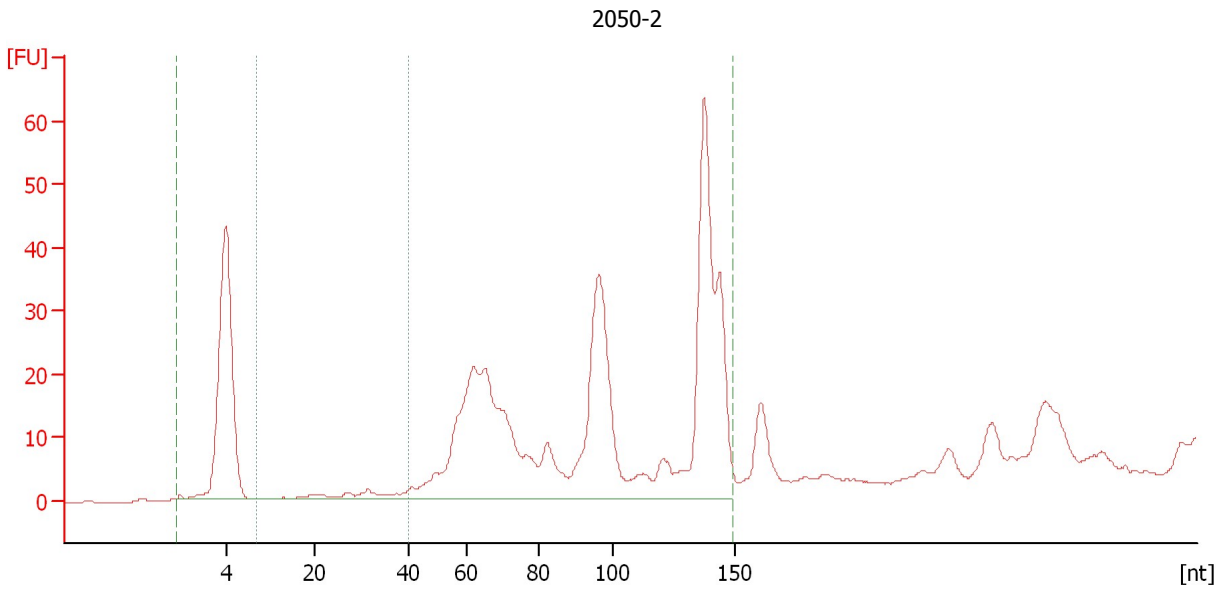
Region table for sample 8 : 2048-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	148	55	85.7	656.6	100	
miRNA	10	40	26	32.7	273.5	42	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 2050-2

Small RNA Concentration [pg/μl]: 1,198.3
 miRNA Concentration [pg/μl]: 53.0
 miRNA / Small RNA Ratio [%]: 4

Result Flagging Color:
 Result Flagging Label: 4 % miRNA;
 Concentration: 53 pg/μl

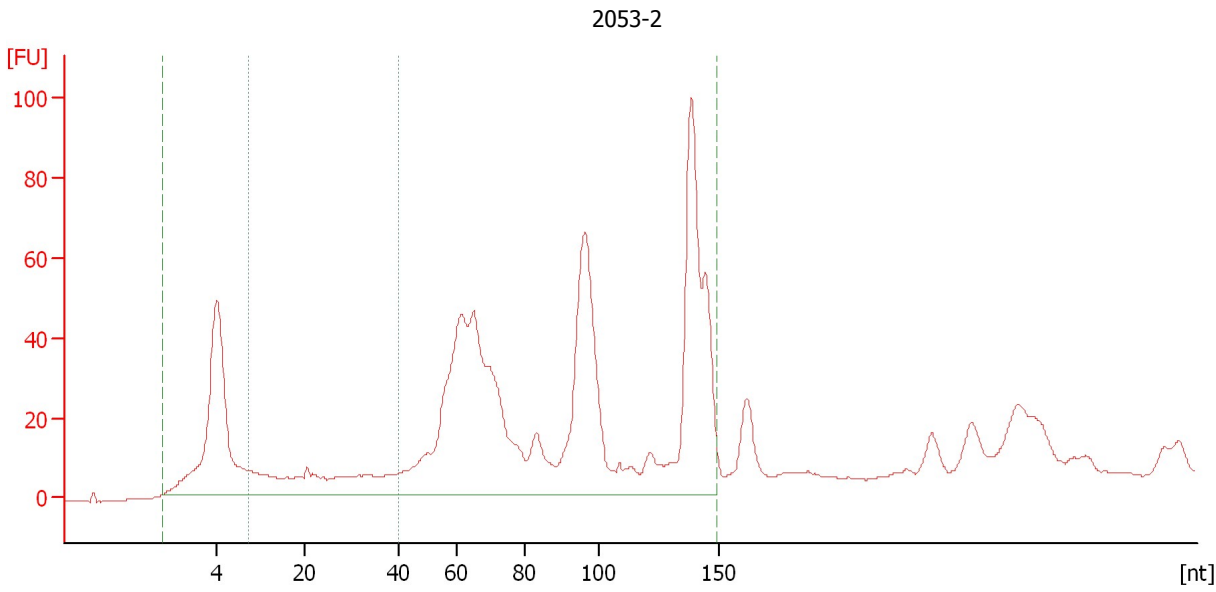
Region table for sample 9 : 2050-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	87	52.9	1,198.3	100	
miRNA	10	40	29	23.1	53.0	4	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : 2053-2

Small RNA Concentration [pg/μl]:	1,584.5	Result Flagging Color:	
miRNA Concentration [pg/μl]:	329.0	Result Flagging Label:	21 % miRNA; Concentration: 329 pg/μl
miRNA / Small RNA Ratio [%]:	21		

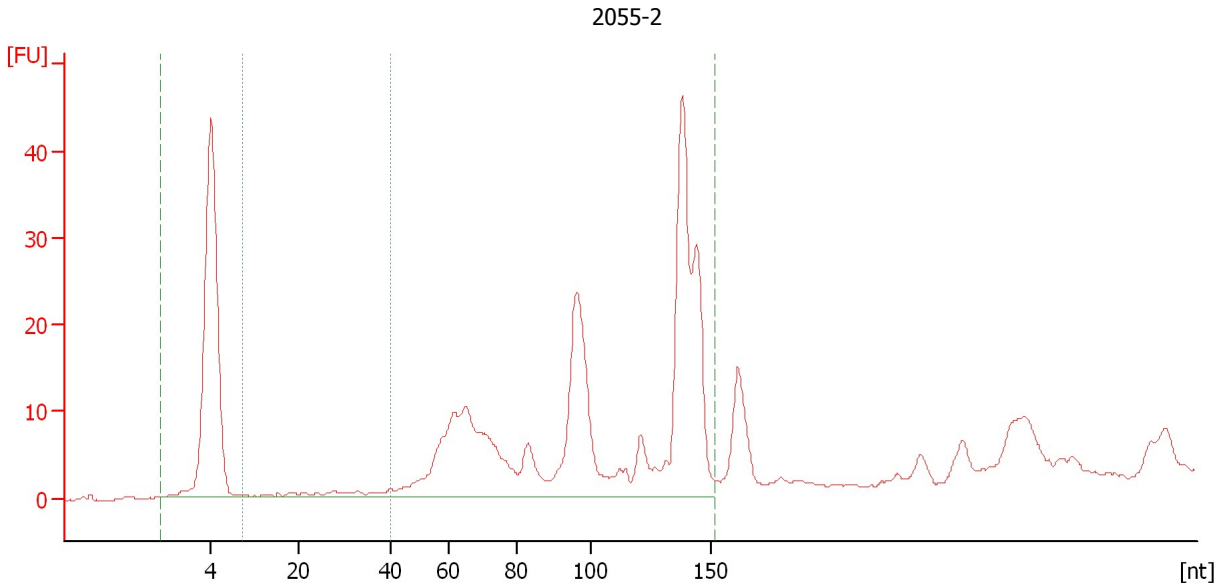
Region table for sample 10 : 2053-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	148	80	55.9	1,584.5	100	
miRNA	10	40	24	38.0	329.0	21	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
 Modified: 6/15/2017 11:44:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 2055-2

Small RNA Concentration [pg/μl]:	793.1	Result Flagging Color:	
miRNA Concentration [pg/μl]:	50.9	Result Flagging Label:	6 % miRNA; Concentration: 50.90 pg/μl
miRNA / Small RNA Ratio [%]:	6		

Region table for sample 11 : 2055-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	152	84	60.1	793.1	100	
miRNA	10	40	27	31.5	50.9	6	

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_004.xad

Created: 6/15/2017 11:00:03 AM
Modified: 6/15/2017 11:44:26 AM

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