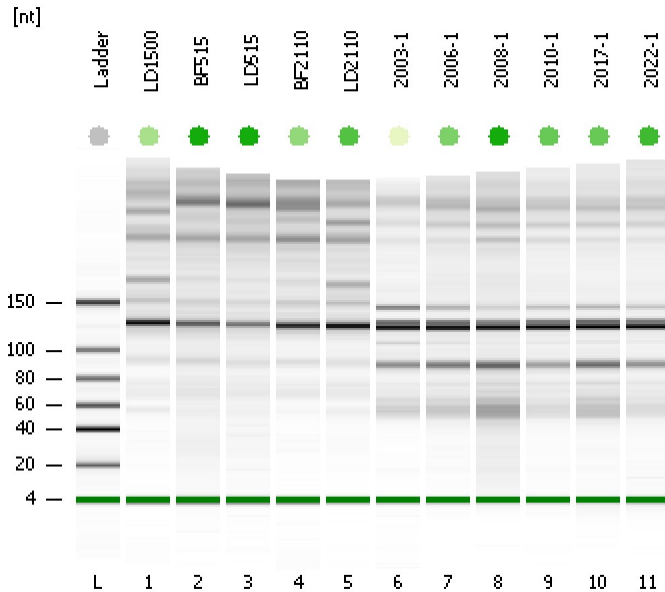


Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
Modified: 6/9/2017 2:24:23 PM

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

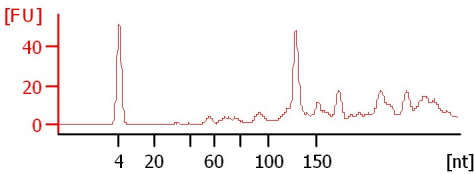
Assay Class: Small RNA
Version: 1.2
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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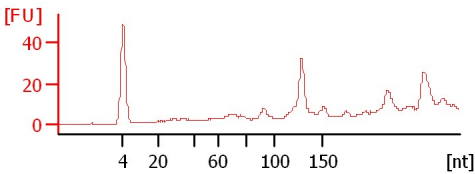
Chip Information:

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

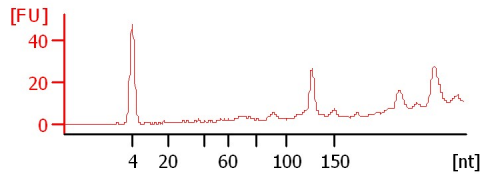
LD1500
5 % miRNA; Concentration: 35 pg/µl



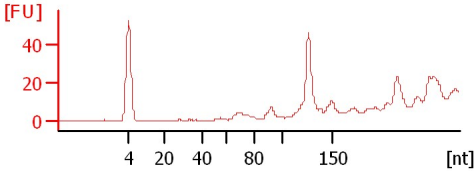
BF515
22 % miRNA; Concentration: 188 pg/µl



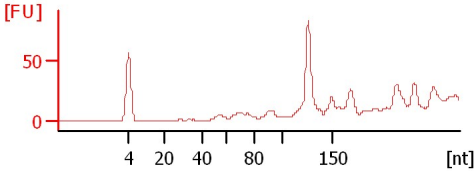
LD515
18 % miRNA; Concentration: 127.40 pg/µl



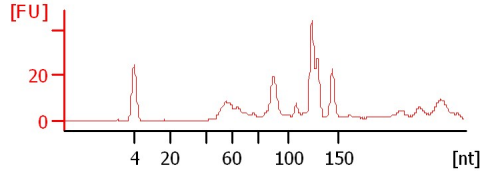
BF2110
6 % miRNA; Concentration: 42.50 pg/µl



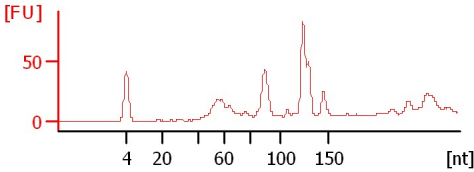
LD2110
9 % miRNA; Concentration: 101 pg/µl



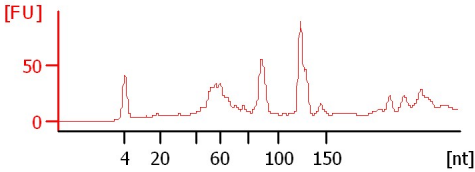
2003-1
2 % miRNA; Concentration: 48.90 pg/µl



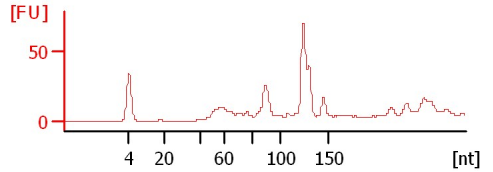
2006-1
7 % miRNA; Concentration: 178.30 pg/µl



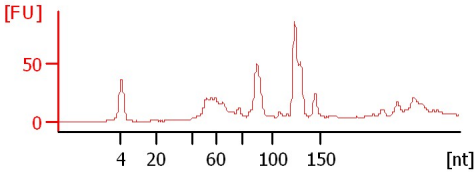
2008-1
21 % miRNA; Concentration: 739.90 pg/µl



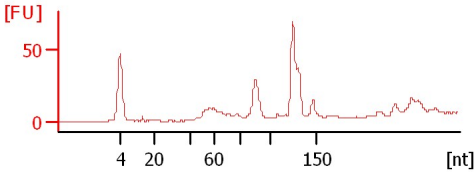
2010-1
8 % miRNA; Concentration: 180.70 pg/µl



2017-1
8 % miRNA; Concentration: 214 pg/µl















2022-1
10 % miRNA; Concentration: 149.50 pg/µl



Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
LD1500		✓	5 % miRNA; Concentration: 35 pg/μl	
BF515		✓	22 % miRNA; Concentration: 188 pg/μl	
LD515		✓	18 % miRNA; Concentration: 127.40 pg/μl	
BF2110		✓	6 % miRNA; Concentration: 42.50 pg/μl	
LD2110		✓	9 % miRNA; Concentration: 101 pg/μl	
2003-1		✓	2 % miRNA; Concentration: 48.90 pg/μl	
2006-1		✓	7 % miRNA; Concentration: 178.30 pg/μl	
2008-1		✓	21 % miRNA; Concentration: 739.90 pg/μl	
2010-1		✓	8 % miRNA; Concentration: 180.70 pg/μl	
2017-1		✓	8 % miRNA; Concentration: 214 pg/μl	
2022-1		✓	10 % miRNA; Concentration: 149.50 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

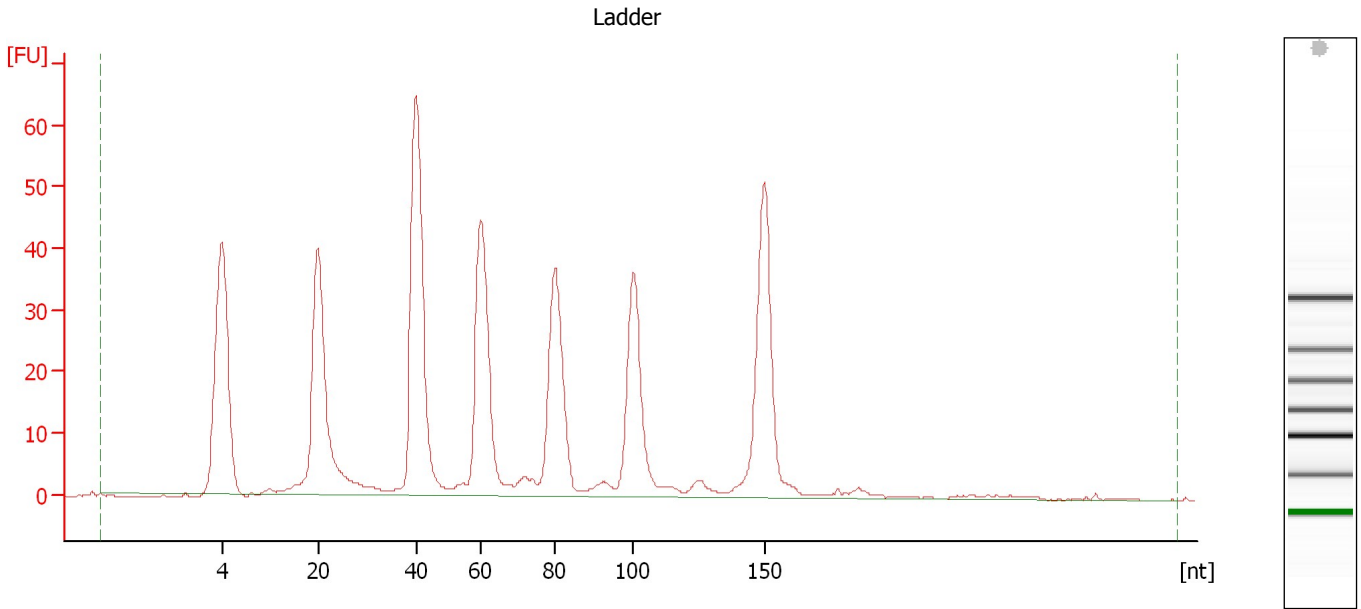
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

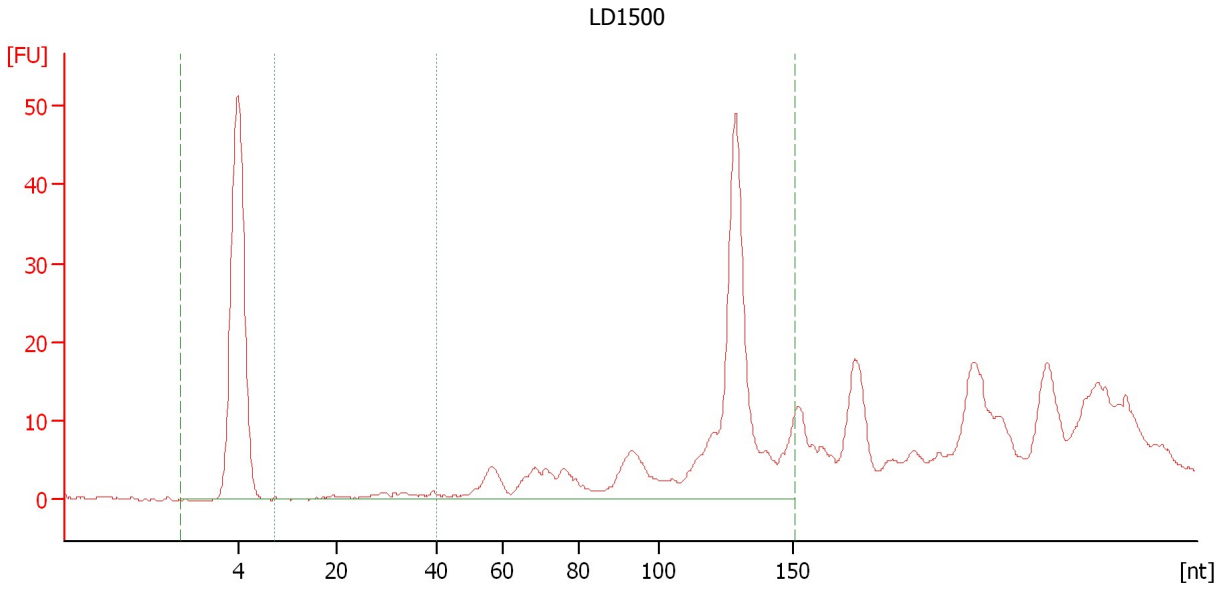
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : LD1500

Small RNA Concentration [pg/μl]:	698.8	Result Flagging Color:	
miRNA Concentration [pg/μl]:	35.0	Result Flagging Label:	5 % miRNA; Concentration: 35 pg/μl
miRNA / Small RNA Ratio [%]:	5		

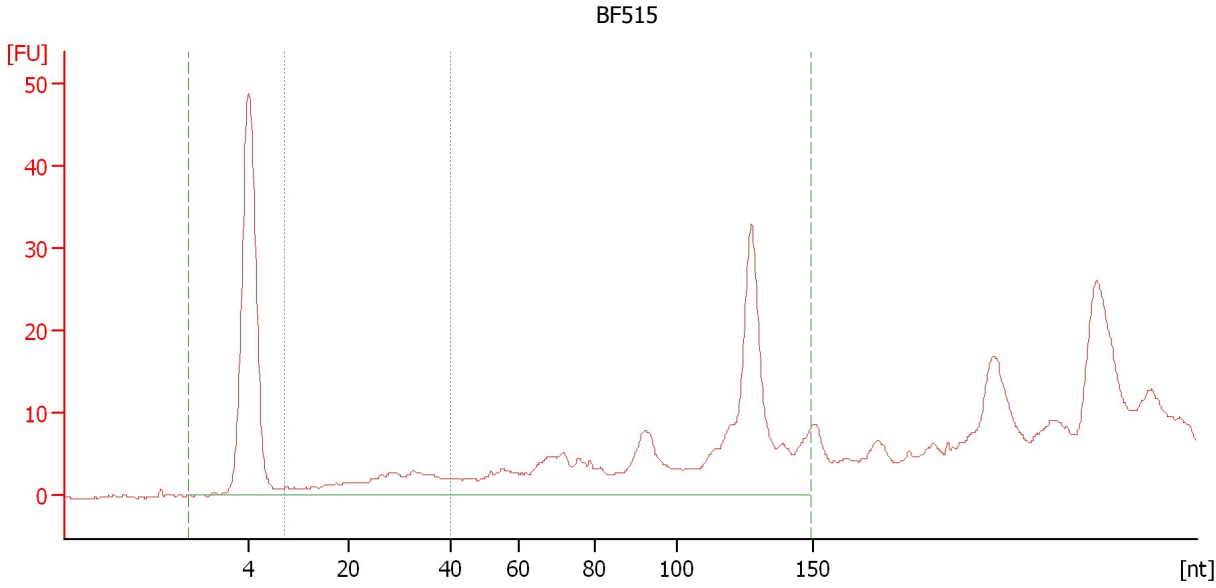
Region table for sample 1 : LD1500

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	151	82	67.1	698.8	100	
miRNA	10	40	30	23.5	35.0	5	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BF515

Small RNA Concentration [pg/μl]:	865.5	Result Flagging Color:	
miRNA Concentration [pg/μl]:	188.0	Result Flagging Label:	22 % miRNA; Concentration: 188 pg/μl
miRNA / Small RNA Ratio [%]:	22		

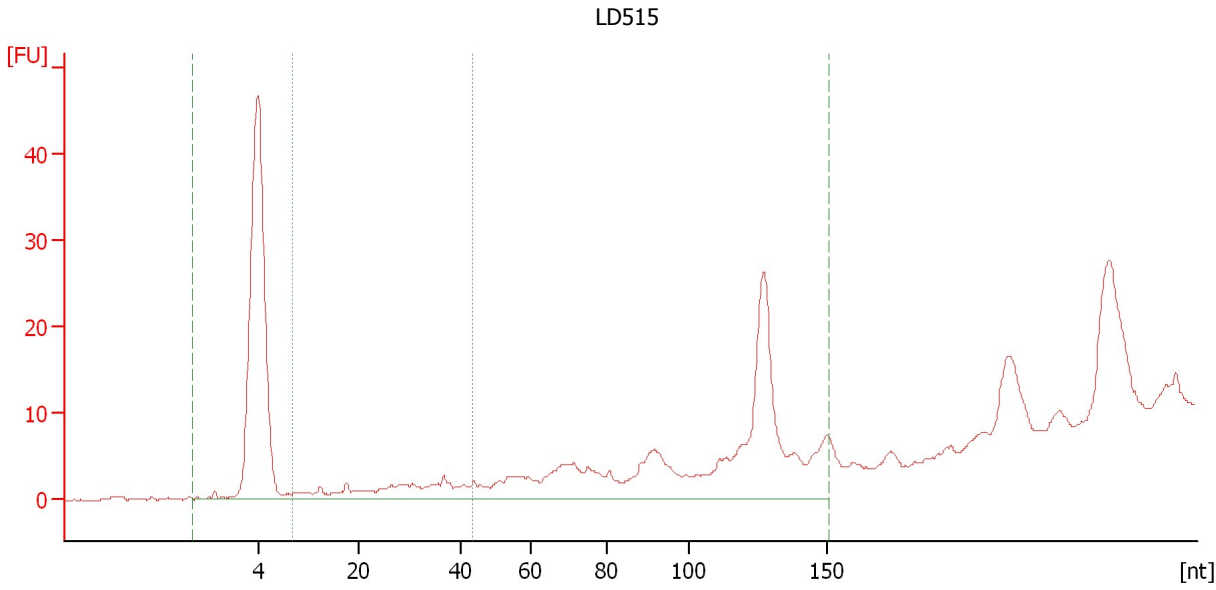
Region table for sample 2 : BF515

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	72	72.7	865.5	100	
miRNA	10	40	27	30.3	188.0	22	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LD515

Small RNA Concentration [pg/μl]:	697.3	Result Flagging Color:	
miRNA Concentration [pg/μl]:	127.4	Result Flagging Label:	18 % miRNA; Concentration: 127.40 pg/μl
miRNA / Small RNA Ratio [%]:	18		

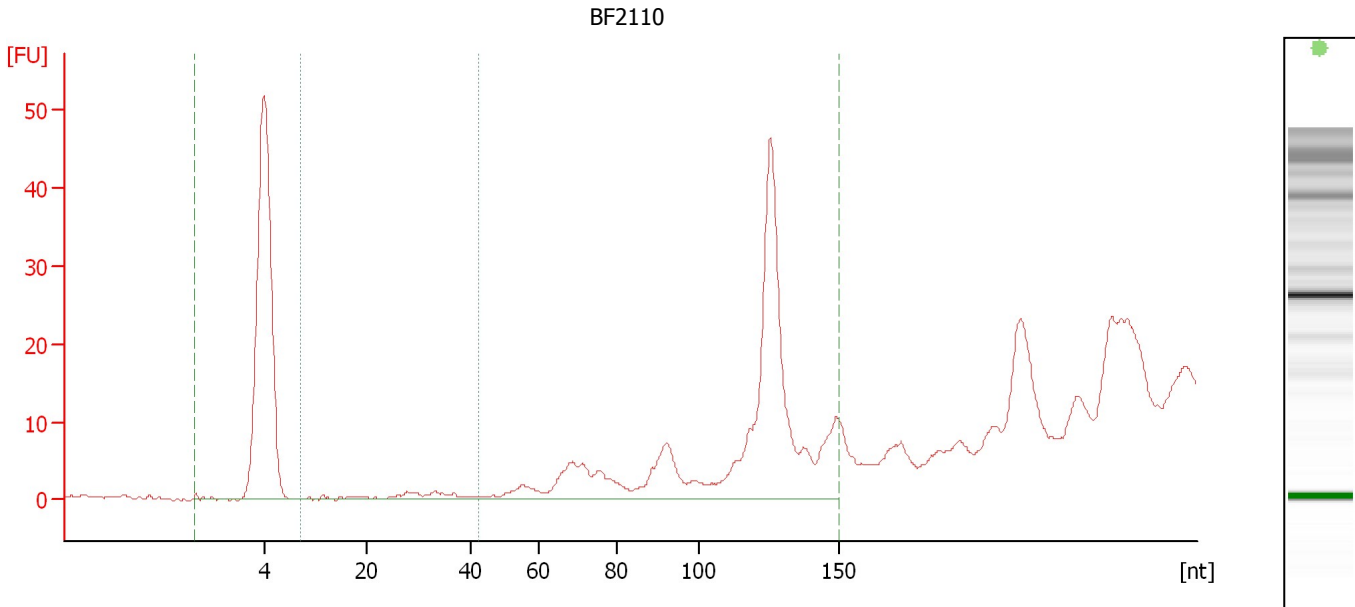
Region table for sample 3 : LD515

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	70	75.9	697.3	100	
miRNA	10	43	28	32.4	127.4	18	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : BF2110

Small RNA Concentration [pg/μl]:	682.2	Result Flagging Color:	
miRNA Concentration [pg/μl]:	42.5	Result Flagging Label:	6 % miRNA; Concentration: 42.50 pg/μl
miRNA / Small RNA Ratio [%]:	6		

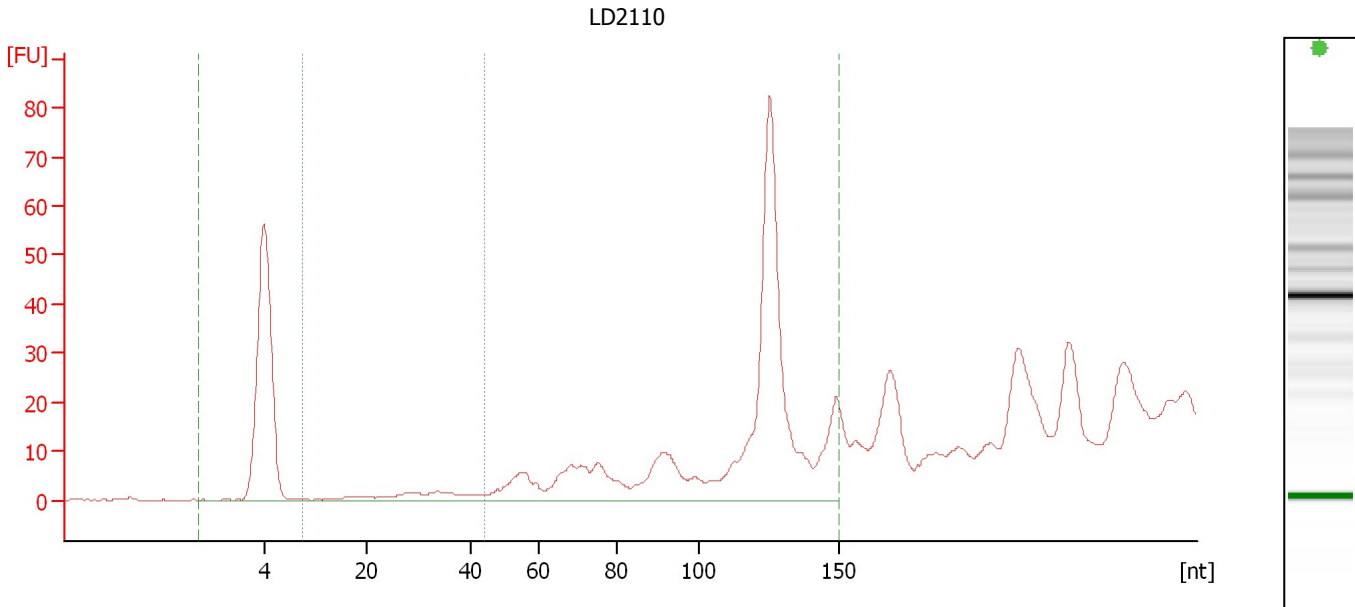
Region table for sample 4 : BF2110

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	80	68.2	682.2	100	
miRNA	10	42	28	27.8	42.5	6	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : LD2110

Small RNA Concentration [pg/μl]:	1,155.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	101.0	Result Flagging Label:	9 % miRNA; Concentration: 101 pg/μl
miRNA / Small RNA Ratio [%]:	9		

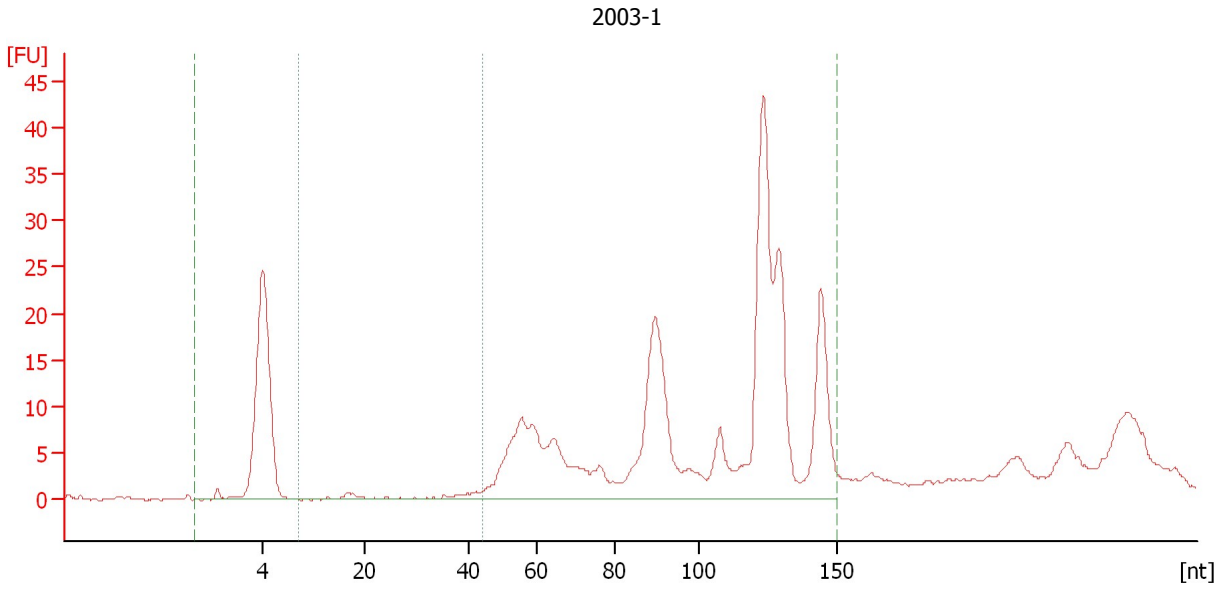
Region table for sample 5 : LD2110

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	87	57.6	1,155.9	100	
miRNA	10	45	30	28.6	101.0	9	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2003-1

Small RNA Concentration [pg/μl]: 1,998.0
 miRNA Concentration [pg/μl]: 48.9
 miRNA / Small RNA Ratio [%]: 2

Result Flagging Color:
 Result Flagging Label: 2 % miRNA;
 Concentration: 48.90
 pg/μl

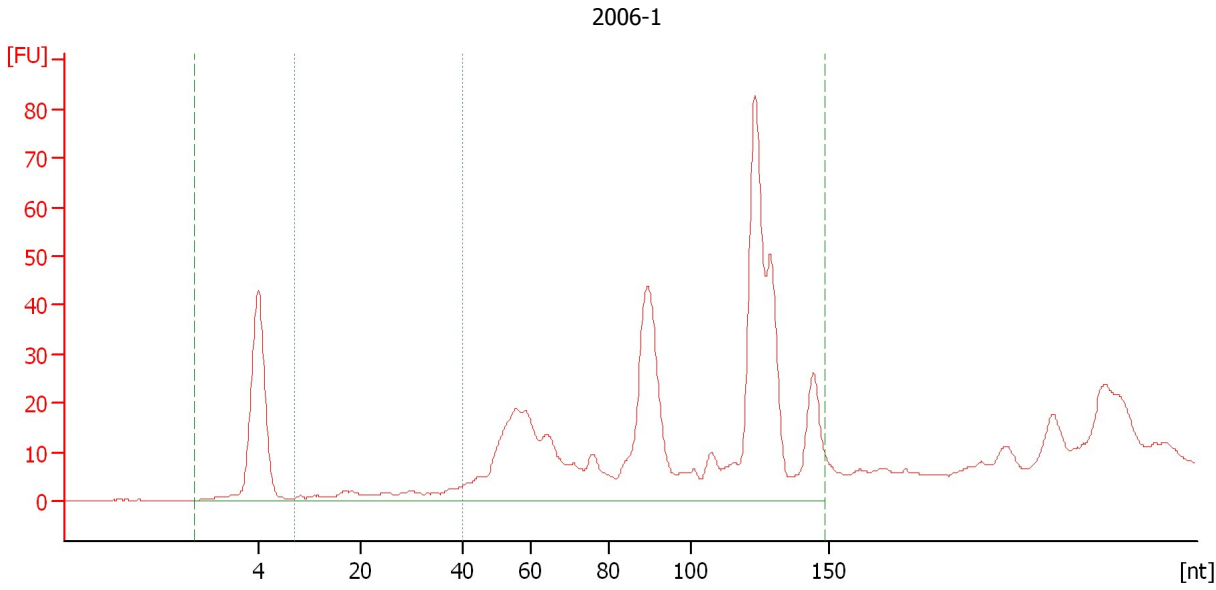
Region table for sample 6 : 2003-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	92	47.8	1,998.0	100	
miRNA	10	44	31	33.5	48.9	2	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2006-1

Small RNA Concentration [pg/μl]: 2,389.4
 miRNA Concentration [pg/μl]: 178.3
 miRNA / Small RNA Ratio [%]: 7

Result Flagging Color:
 Result Flagging Label: 7 % miRNA;
 Concentration: 178.30
 pg/μl

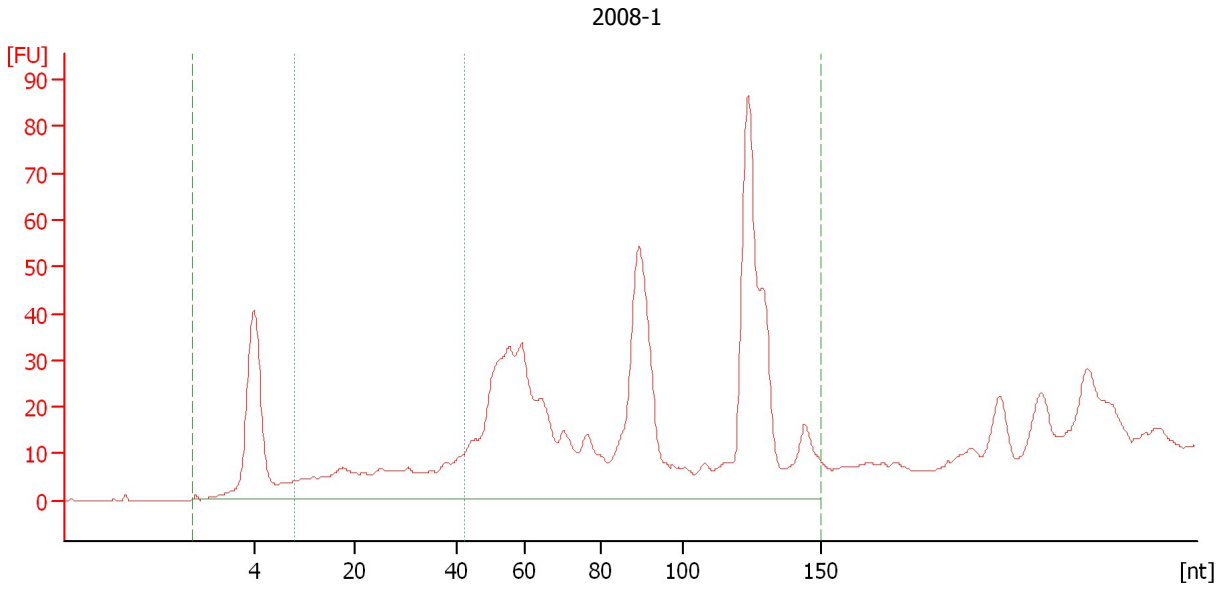
Region table for sample 7 : 2006-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	87	49.1	2,389.4	100	
miRNA	10	40	26	32.8	178.3	7	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 2008-1

Small RNA Concentration [pg/μl]: 3,511.3
 miRNA Concentration [pg/μl]: 739.9
 miRNA / Small RNA Ratio [%]: 21

Result Flagging Color:
 Result Flagging Label: 21 % miRNA;
 Concentration: 739.90
 pg/μl

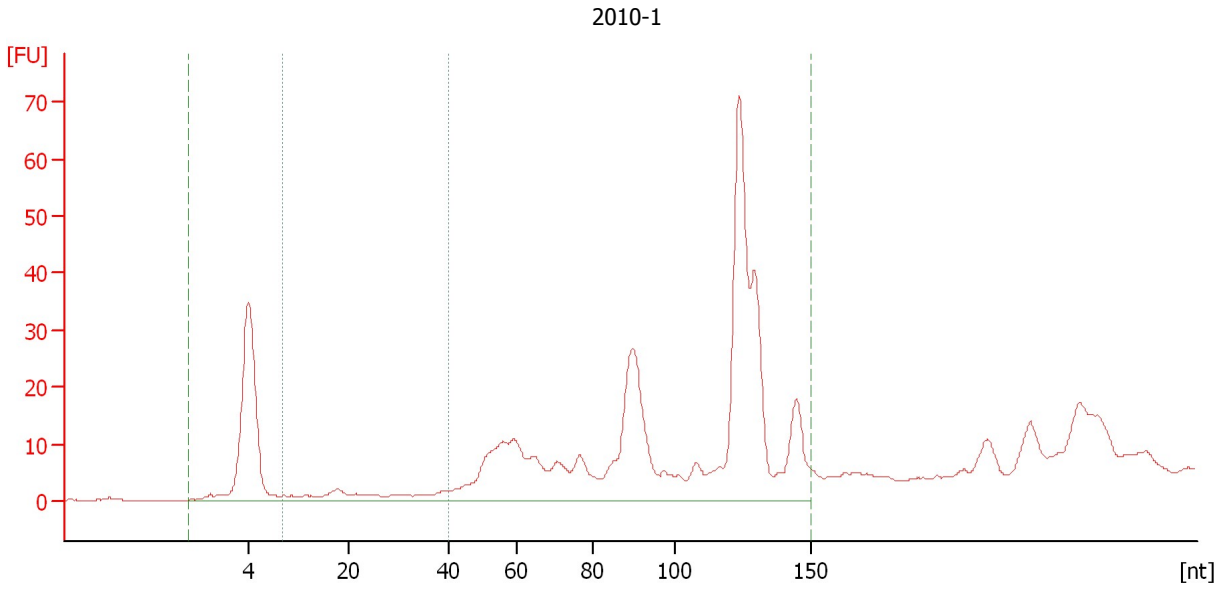
Region table for sample 8 : 2008-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	77	53.6	3,511.3	100	
miRNA	11	43	27	34.6	739.9	21	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 2010-1

Small RNA Concentration [pg/μl]:	2,155.3	Result Flagging Color:	
miRNA Concentration [pg/μl]:	180.7	Result Flagging Label:	8 % miRNA; Concentration: 180.70 pg/μl
miRNA / Small RNA Ratio [%]:	8		

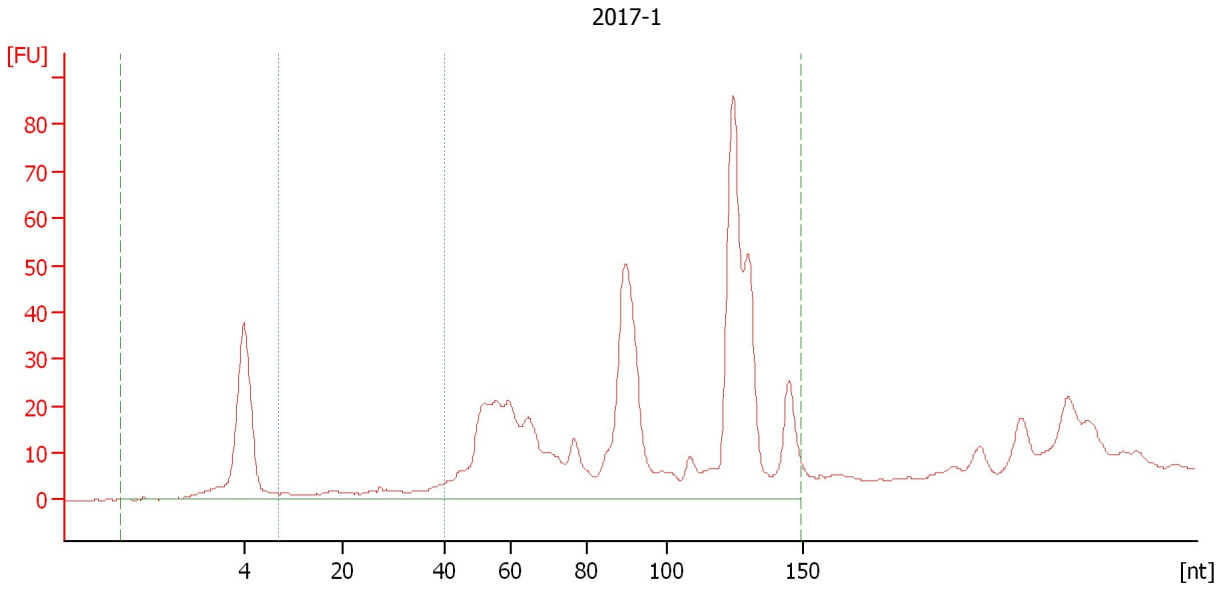
Region table for sample 9 : 2010-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	88	50.3	2,155.3	100	
miRNA	10	40	25	36.7	180.7	8	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
 Modified: 6/9/2017 2:24:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 2017-1

Small RNA Concentration [pg/μl]:	2,781.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	214.0	Result Flagging Label:	8 % miRNA; Concentration: 214 pg/μl
miRNA / Small RNA Ratio [%]:	8		

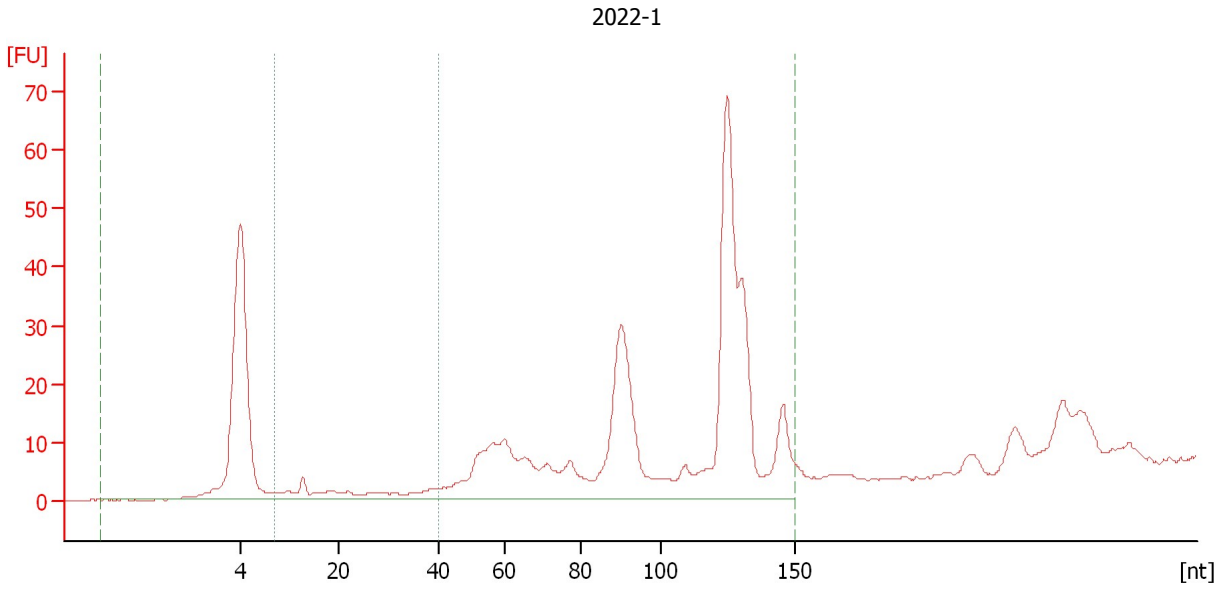
Region table for sample 10 : 2017-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	86	49.1	2,780.9	100	
miRNA	10	40	26	34.4	214.0	8	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 2022-1

Small RNA Concentration [pg/μl]:	1,510.5	Result Flagging Color:	
miRNA Concentration [pg/μl]:	149.5	Result Flagging Label:	10 % miRNA; Concentration: 149.50 pg/μl
miRNA / Small RNA Ratio [%]:	10		

Region table for sample 11 : 2022-1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	83	56.7	1,510.5	100	
miRNA	10	40	24	39.2	149.5	10	

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09_003.xad

Created: 6/9/2017 1:44:53 PM
Modified: 6/9/2017 2:24:23 PM

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