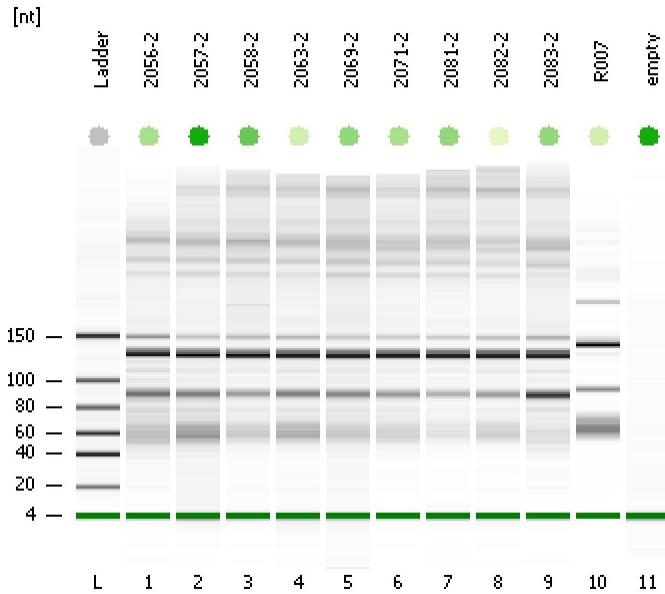


Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
Modified: 6/15/2017 12:18:42 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

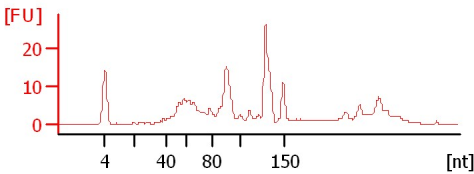
Assay Class: Small RNA
Version: 1.2
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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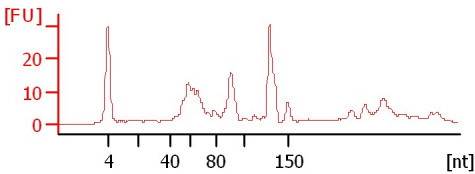
Chip Information:

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

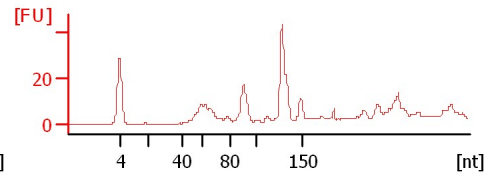
2056-2
5 % miRNA; Concentration: 75.30 pg/µl



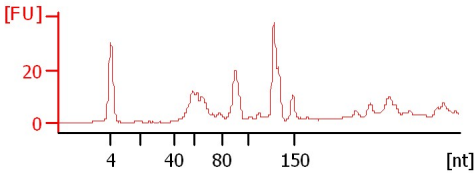
2057-2
15 % miRNA; Concentration: 137.60 pg/µl



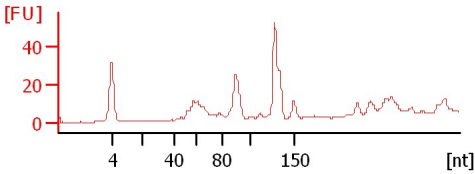
2058-2
8 % miRNA; Concentration: 77.40 pg/µl



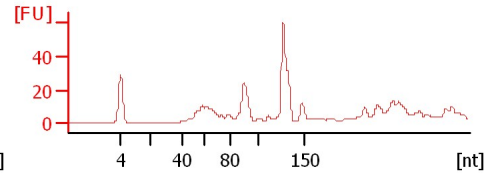
2063-2
3 % miRNA; Concentration: 27.50 pg/µl



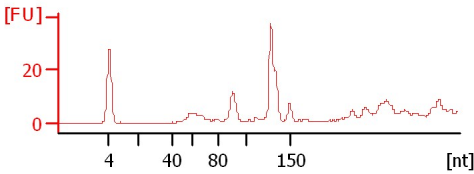
2069-2
6 % miRNA; Concentration: 71.40 pg/µl



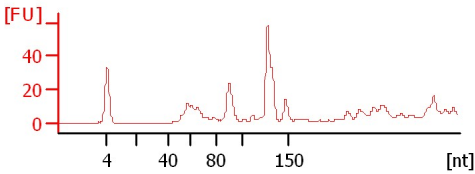
2071-2
5 % miRNA; Concentration: 62.70 pg/µl



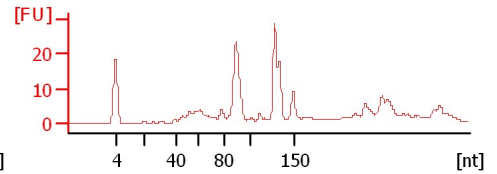
2081-2
6 % miRNA; Concentration: 43.60 pg/µl



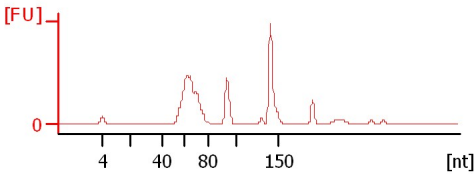
2082-2
2 % miRNA; Concentration: 24.10 pg/µl



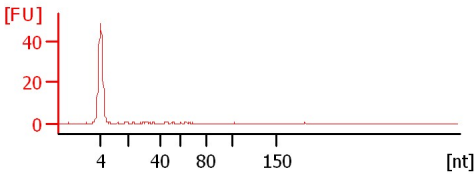
2083-2
6 % miRNA; Concentration: 76.50 pg/µl



R007
3 % miRNA; Concentration: 231.50 pg/µl










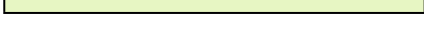

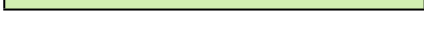


empty
56 % miRNA; Concentration: 19.80 pg/µl



Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2056-2		✓	5 % miRNA; Concentration: 75.30 pg/μl	
2057-2		✓	15 % miRNA; Concentration: 137.60 pg/μl	
2058-2		✓	8 % miRNA; Concentration: 77.40 pg/μl	
2063-2		✓	3 % miRNA; Concentration: 27.50 pg/μl	
2069-2		✓	6 % miRNA; Concentration: 71.40 pg/μl	
2071-2		✓	5 % miRNA; Concentration: 62.70 pg/μl	
2081-2		✓	6 % miRNA; Concentration: 43.60 pg/μl	
2082-2		✓	2 % miRNA; Concentration: 24.10 pg/μl	
2083-2		✓	6 % miRNA; Concentration: 76.50 pg/μl	
R007		✓	3 % miRNA; Concentration: 231.50 pg/μl	
empty		✓	56 % miRNA; Concentration: 19.80 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

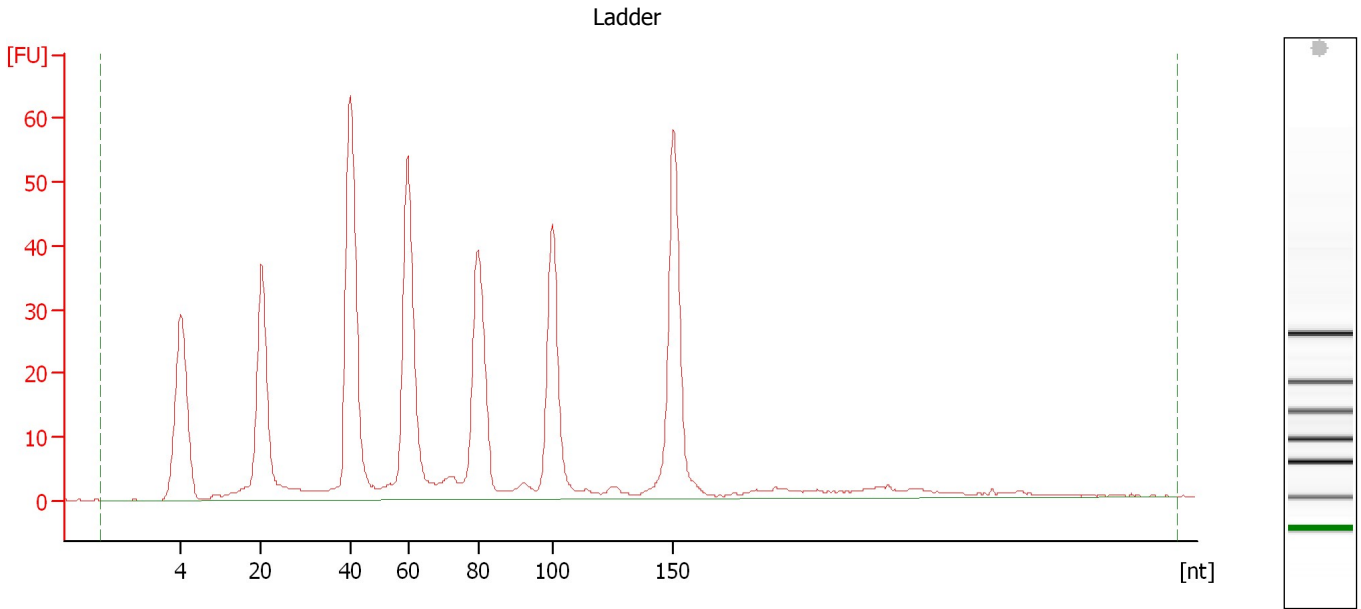
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

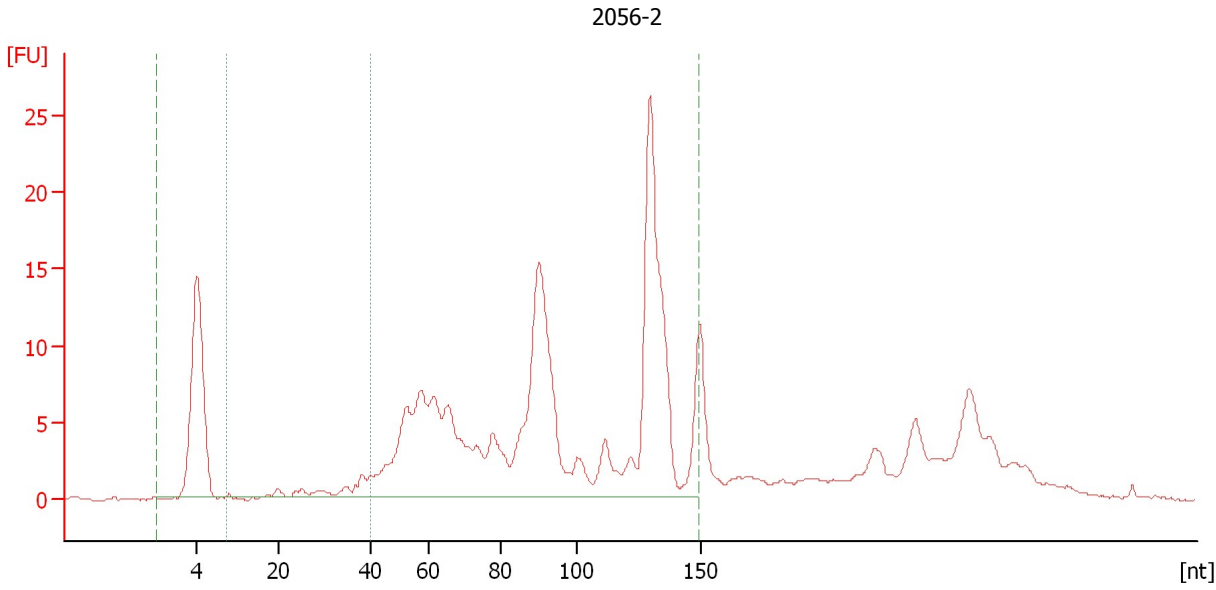
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 2056-2

Small RNA Concentration [pg/μl]: 1,579.3
 miRNA Concentration [pg/μl]: 75.3
 miRNA / Small RNA Ratio [%]: 5

Result Flagging Color:
 Result Flagging Label: 5 % miRNA;
 Concentration: 75.30
 pg/μl

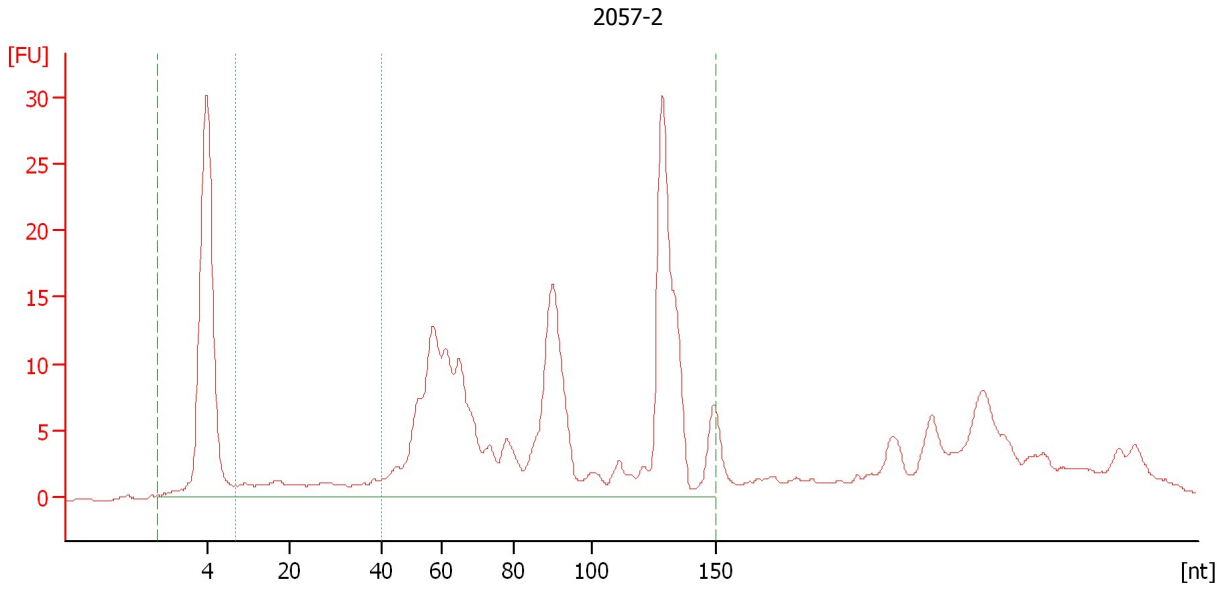
Region table for sample 1 : 2056-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	85	48.1	1,579.3	100	
miRNA	10	40	32	22.7	75.3	5	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2057-2

Small RNA Concentration [pg/μl]:	943.7	Result Flagging Color:	
miRNA Concentration [pg/μl]:	137.6	Result Flagging Label:	15 % miRNA; Concentration: 137.60 pg/μl
miRNA / Small RNA Ratio [%]:	15		

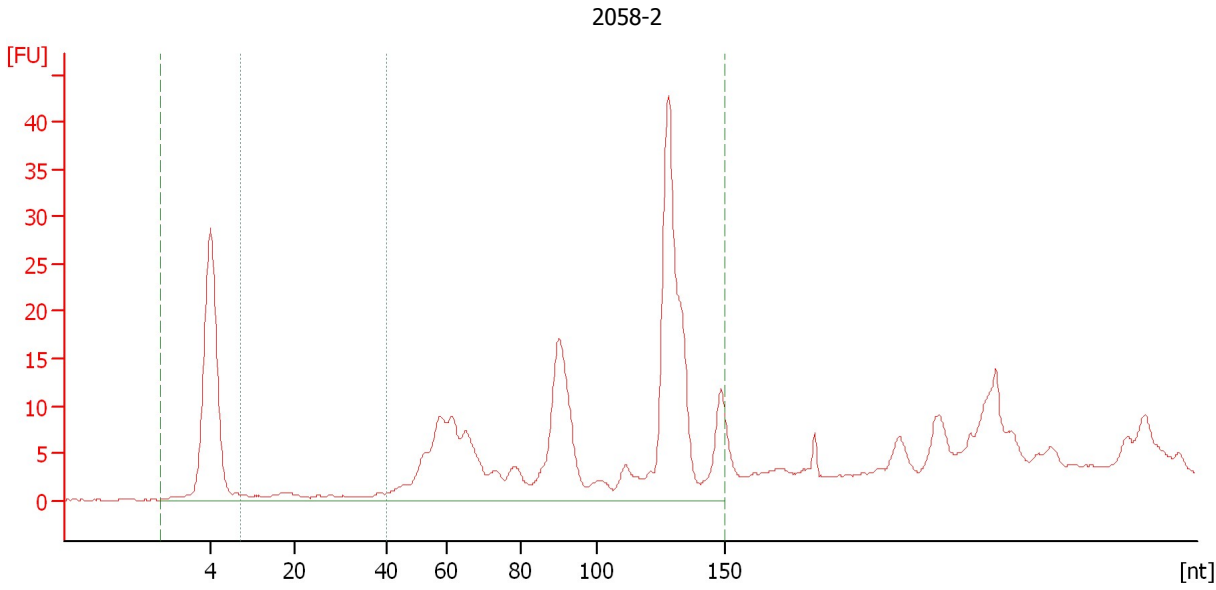
Region table for sample 2 : 2057-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	73	61.9	943.7	100	
miRNA	10	40	24	36.6	137.6	15	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2058-2

Small RNA Concentration [pg/μl]:	984.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	77.4	Result Flagging Label:	8 % miRNA; Concentration: 77.40 pg/μl
miRNA / Small RNA Ratio [%]:	8		

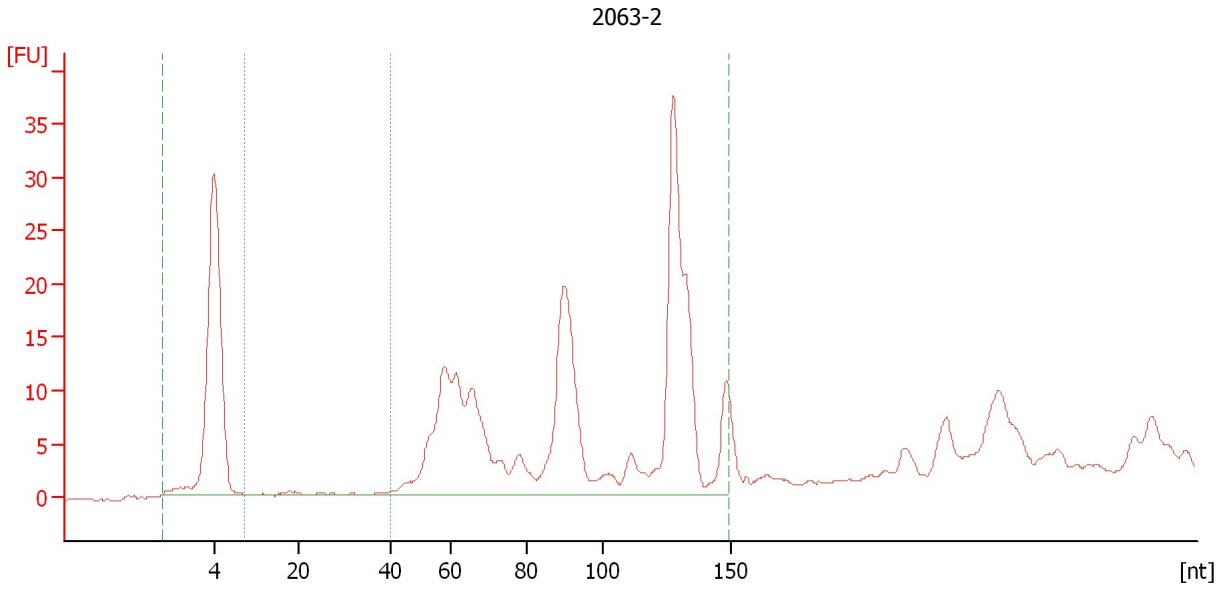
Region table for sample 3 : 2058-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	84	56.4	984.9	100	
miRNA	10	40	24	38.2	77.4	8	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2063-2

Small RNA Concentration [pg/μl]:	919.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	27.5	Result Flagging Label:	3 % miRNA; Concentration: 27.50 pg/μl
miRNA / Small RNA Ratio [%]:	3		

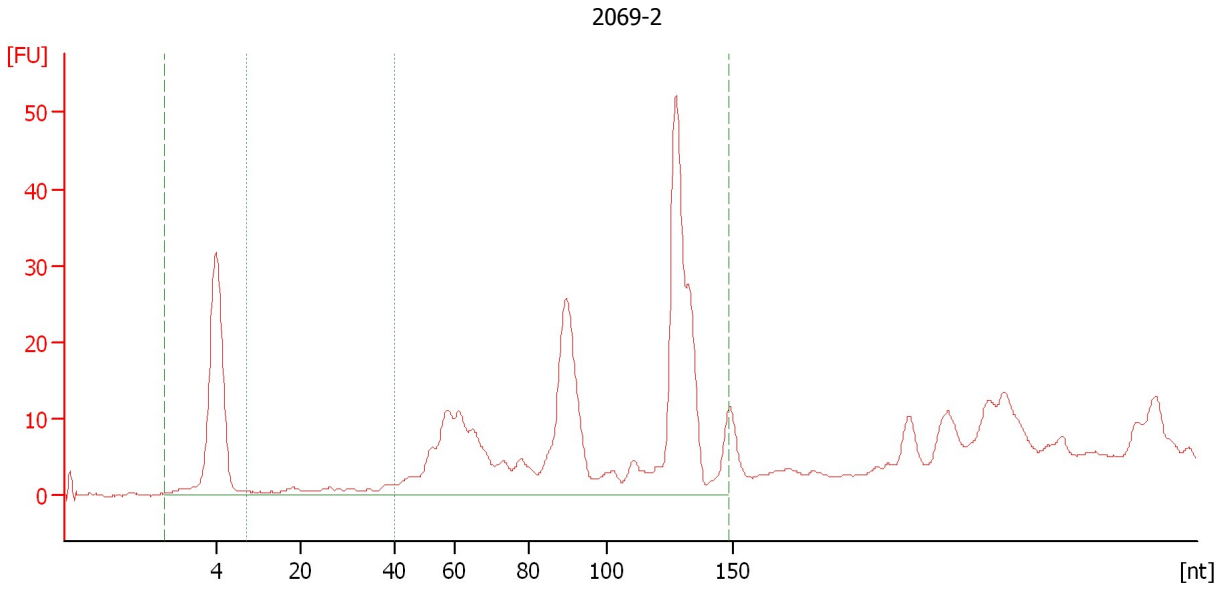
Region table for sample 4 : 2063-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	81	56.6	919.0	100	
miRNA	10	40	25	34.2	27.5	3	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2069-2

Small RNA Concentration [pg/μl]: 1,120.6
 miRNA Concentration [pg/μl]: 71.4
 miRNA / Small RNA Ratio [%]: 6

Result Flagging Color:
 Result Flagging Label: 6 % miRNA;
 Concentration: 71.40
 pg/μl

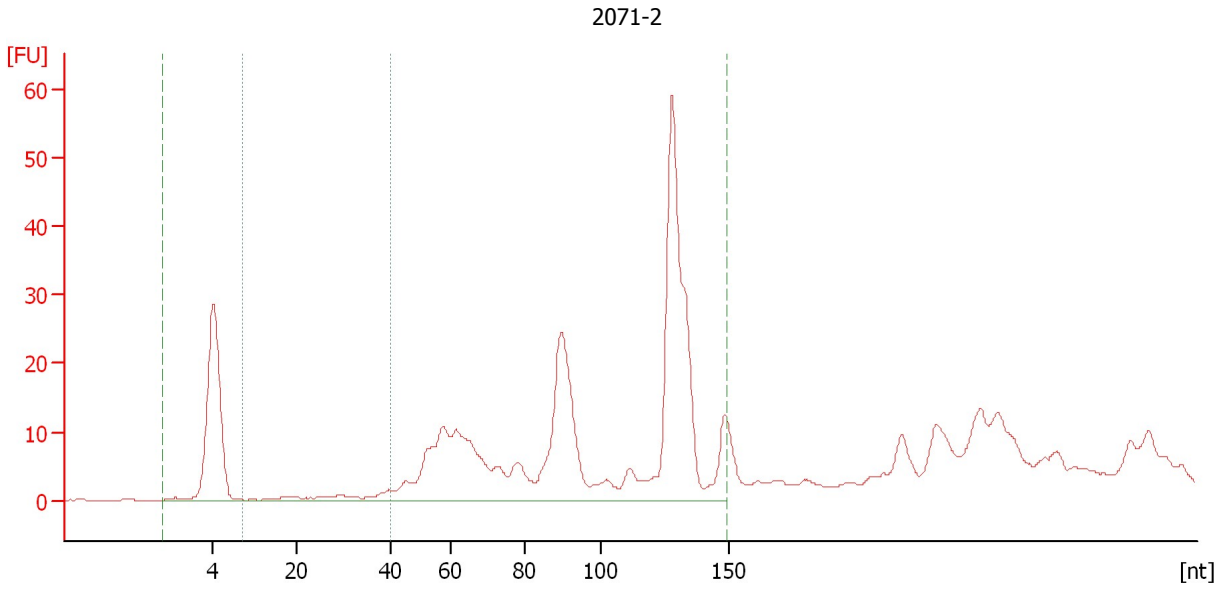
Region table for sample 5 : 2069-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	148	84	53.3	1,120.6	100	
miRNA	10	40	27	32.6	71.4	6	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2071-2

Small RNA Concentration [pg/μl]:	1,328.1	Result Flagging Color:	
miRNA Concentration [pg/μl]:	62.7	Result Flagging Label:	5 % miRNA; Concentration: 62.70 pg/μl
miRNA / Small RNA Ratio [%]:	5		

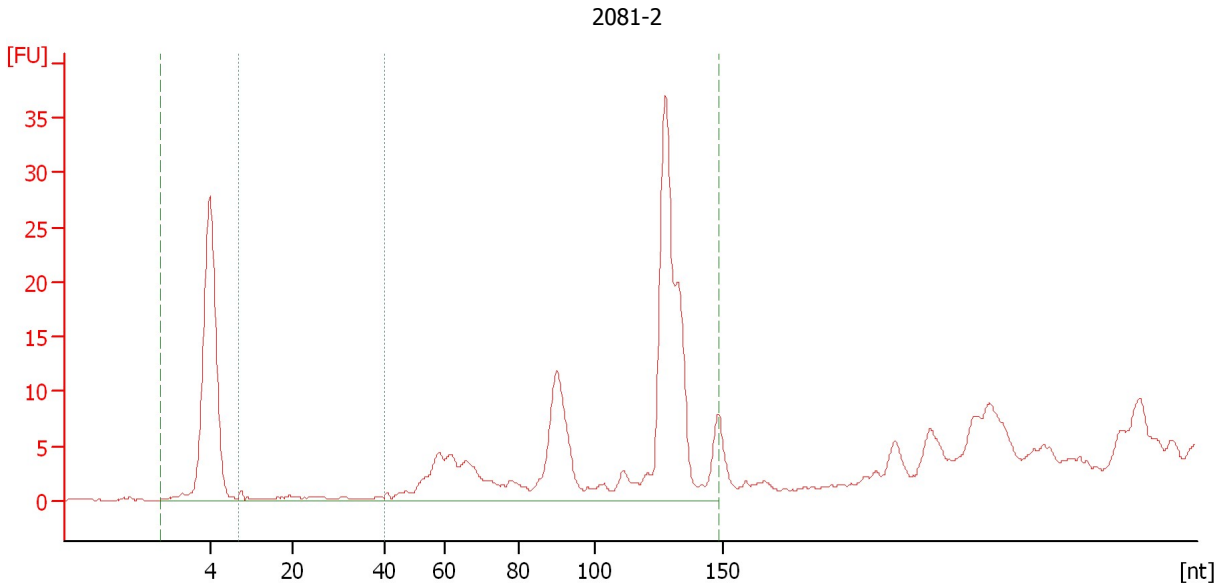
Region table for sample 6 : 2071-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	88	49.5	1,328.1	100	
miRNA	10	40	29	27.5	62.7	5	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2081-2

Small RNA Concentration [pg/μl]:	710.9	Result Flagging Color:	
miRNA Concentration [pg/μl]:	43.6	Result Flagging Label:	6 % miRNA; Concentration: 43.60 pg/μl
miRNA / Small RNA Ratio [%]:	6		

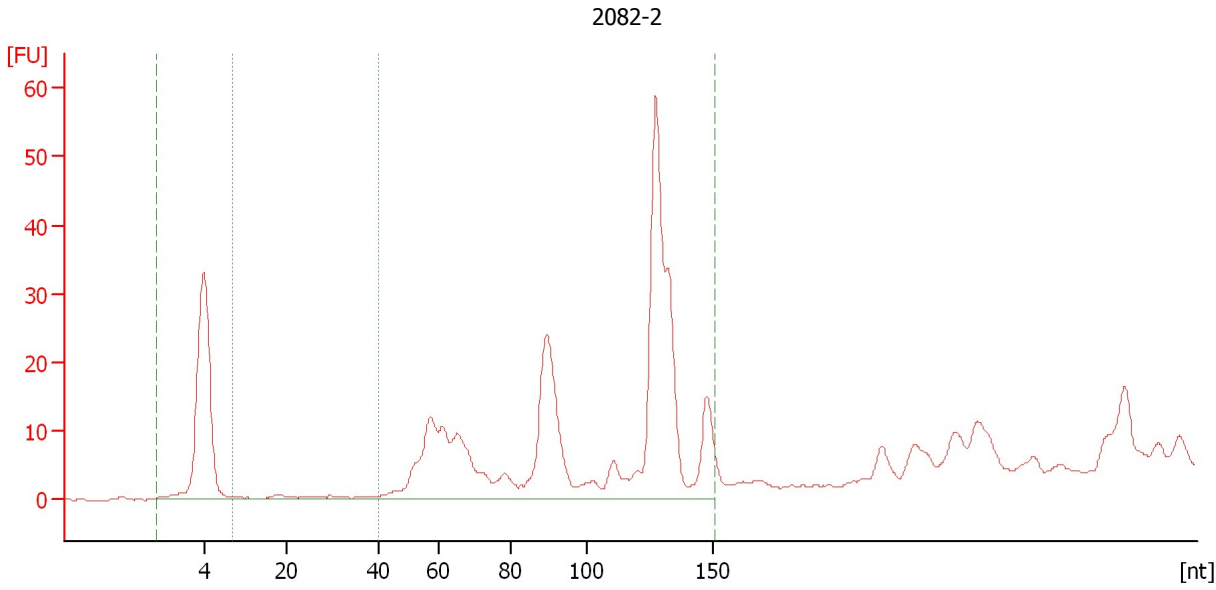
Region table for sample 7 : 2081-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	84	60.2	710.9	100	
miRNA	10	40	23	38.7	43.6	6	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 2082-2

Small RNA Concentration [pg/μl]:	1,071.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	24.1	Result Flagging Label:	2 % miRNA; Concentration: 24.10 pg/μl
miRNA / Small RNA Ratio [%]:	2		

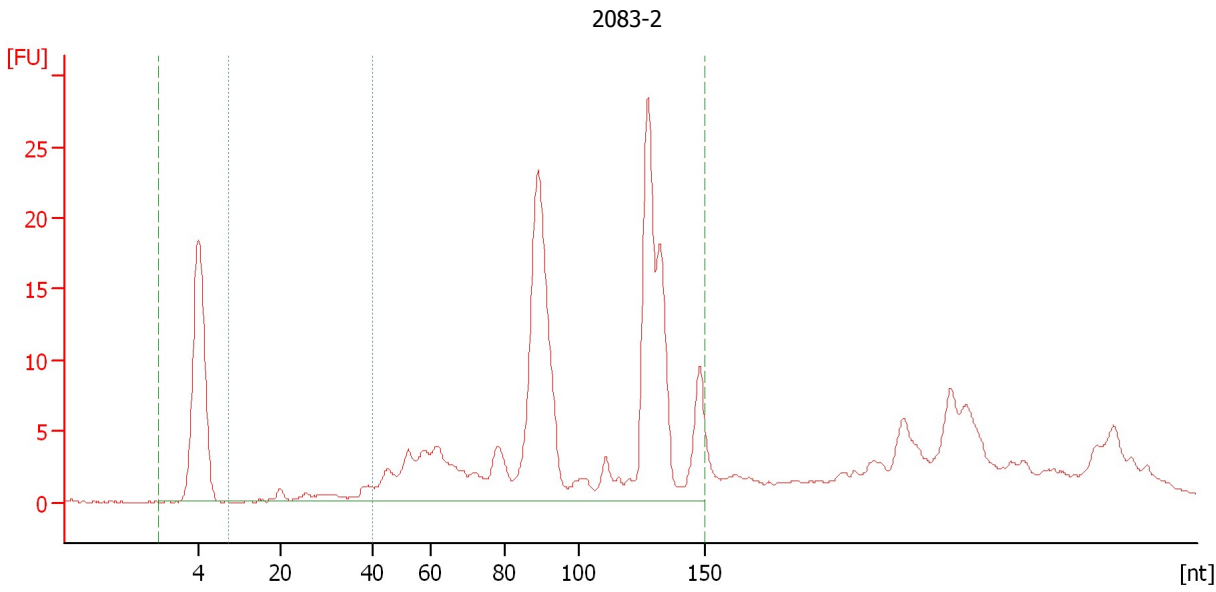
Region table for sample 8 : 2082-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	151	89	51.3	1,071.0	100	
miRNA	10	40	25	34.6	24.1	2	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 2083-2

Small RNA Concentration [pg/μl]: 1,267.6
 miRNA Concentration [pg/μl]: 76.5
 miRNA / Small RNA Ratio [%]: 6

Result Flagging Color:
 Result Flagging Label: 6 % miRNA;
 Concentration: 76.50
 pg/μl

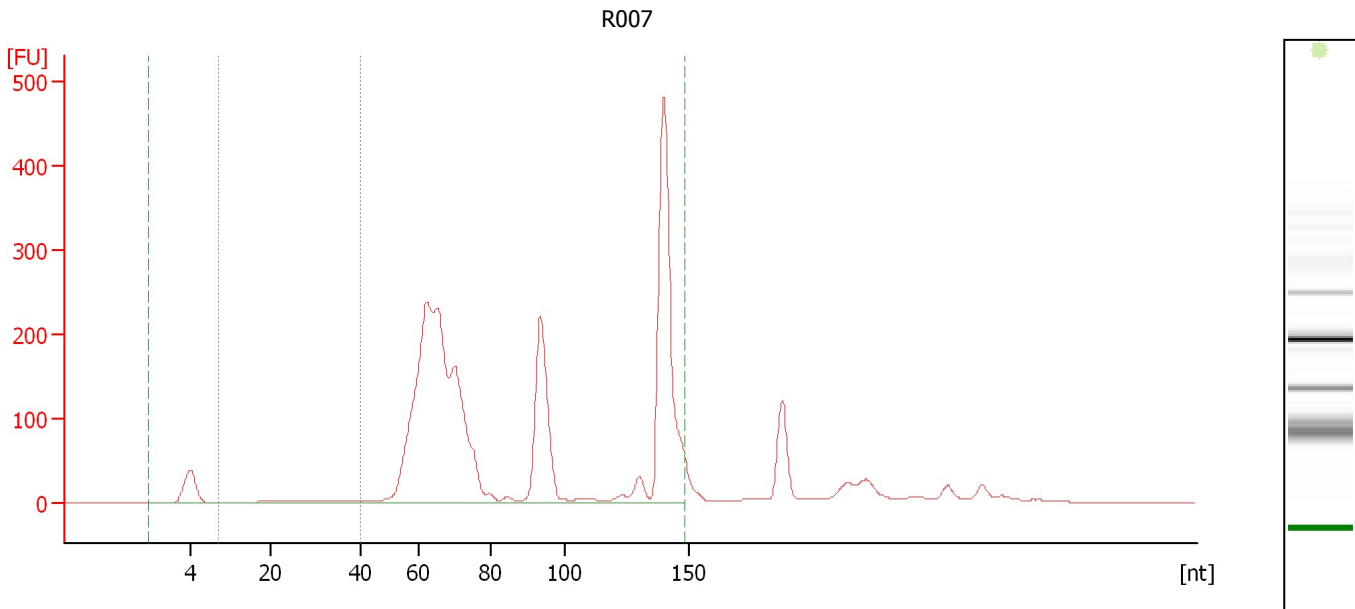
Region table for sample 9 : 2083-2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	87	49.8	1,267.6	100	
miRNA	10	40	30	24.4	76.5	6	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R007

Small RNA Concentration [pg/μl]:	7,332.7	Result Flagging Color:	
miRNA Concentration [pg/μl]:	231.5	Result Flagging Label:	3 % miRNA; Concentration: 231.50 pg/μl
miRNA / Small RNA Ratio [%]:	3		

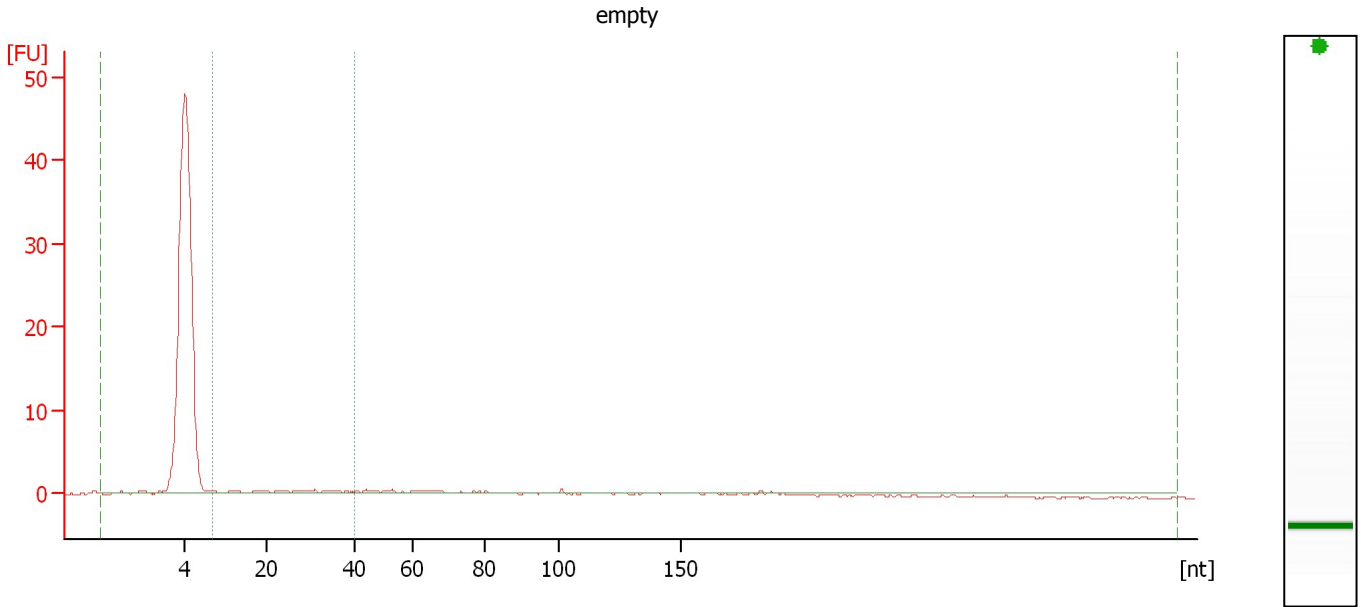
Region table for sample 10 : R007

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	91	40.5	7,332.7	100	
miRNA	10	40	27	27.4	231.5	3	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
 Modified: 6/15/2017 12:18:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : empty

Small RNA Concentration [pg/μl]:	35.3	Result Flagging Color:	
miRNA Concentration [pg/μl]:	19.8	Result Flagging Label:	56 % miRNA; Concentration: 19.80 pg/μl
miRNA / Small RNA Ratio [%]:	56		

Region table for sample 11 : empty

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	353	8	100.0	35.3	100	
miRNA	10	40	25	33.3	19.8	56	

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-15\2017-06-15_005.xad

Created: 6/15/2017 11:42:35 AM
Modified: 6/15/2017 12:18:42 PM

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