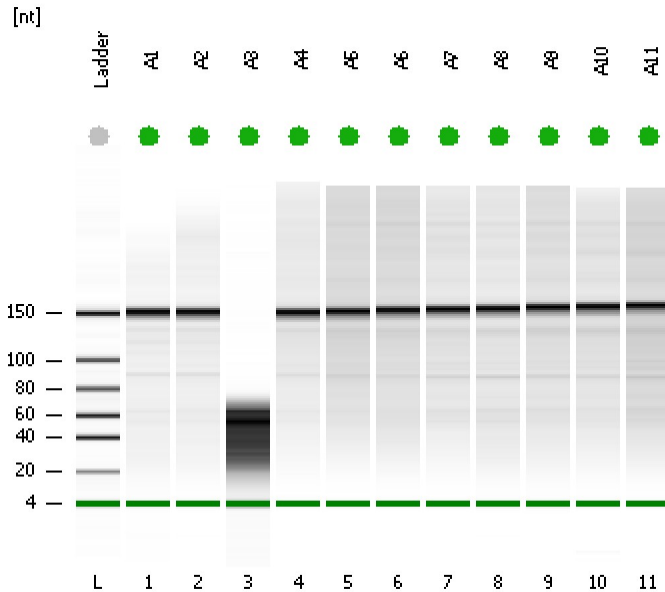


Assay Class: Small RNA  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
Modified: 8/17/2017 12:12:57 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

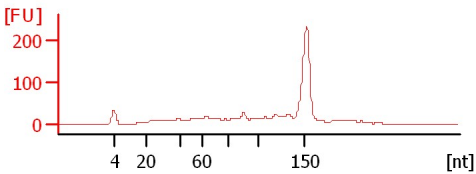
Assay Class: Small RNA  
Version: 1.2  
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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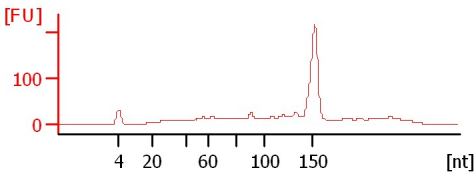
#### Chip Information:

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

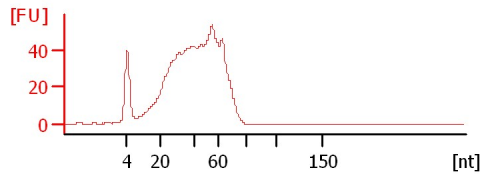
**A1**  
24 % miRNA; Concentration: 1061.20 pg/µl



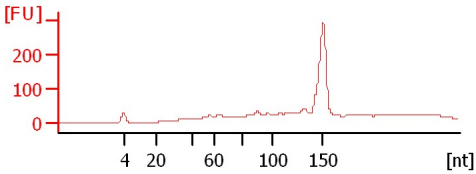
**A2**  
21 % miRNA; Concentration: 959 pg/µl



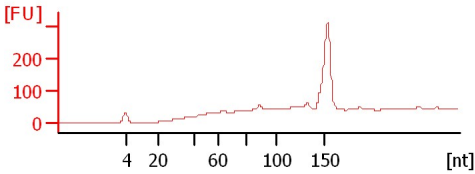
**A3**  
67 % miRNA; Concentration: 2683.60 pg/µl



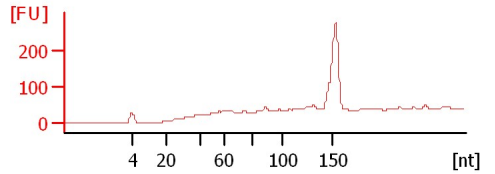
**A4**  
14 % miRNA; Concentration: 1035.30 pg/µl



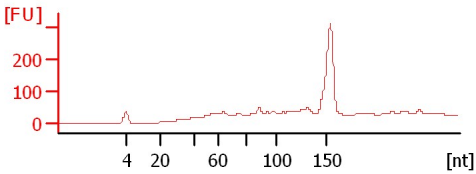
**A5**  
13 % miRNA; Concentration: 1248.10 pg/µl



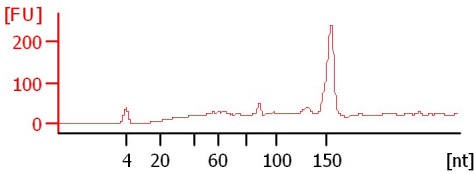
**A6**  
16 % miRNA; Concentration: 1526.30 pg/µl



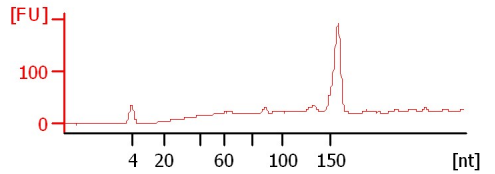
**A7**  
14 % miRNA; Concentration: 1036.90 pg/µl



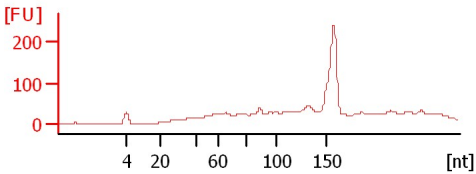
**A8**  
21 % miRNA; Concentration: 1305.50 pg/µl



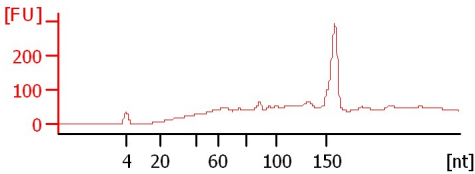
**A9**  
18 % miRNA; Concentration: 1025.30 pg/µl



**A10**  
14 % miRNA; Concentration: 1169.90 pg/µl















**A11**  
16 % miRNA; Concentration: 1661 pg/µl



Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	24 % miRNA; Concentration: 1061.20 pg/μl	
A2		✓	21 % miRNA; Concentration: 959 pg/μl	
A3		✓	67 % miRNA; Concentration: 2683.60 pg/μl	
A4		✓	14 % miRNA; Concentration: 1035.30 pg/μl	
A5		✓	13 % miRNA; Concentration: 1248.10 pg/μl	
A6		✓	16 % miRNA; Concentration: 1526.30 pg/μl	
A7		✓	14 % miRNA; Concentration: 1036.90 pg/μl	
A8		✓	21 % miRNA; Concentration: 1305.50 pg/μl	
A9		✓	18 % miRNA; Concentration: 1025.30 pg/μl	
A10		✓	14 % miRNA; Concentration: 1169.90 pg/μl	
A11		✓	16 % miRNA; Concentration: 1661 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

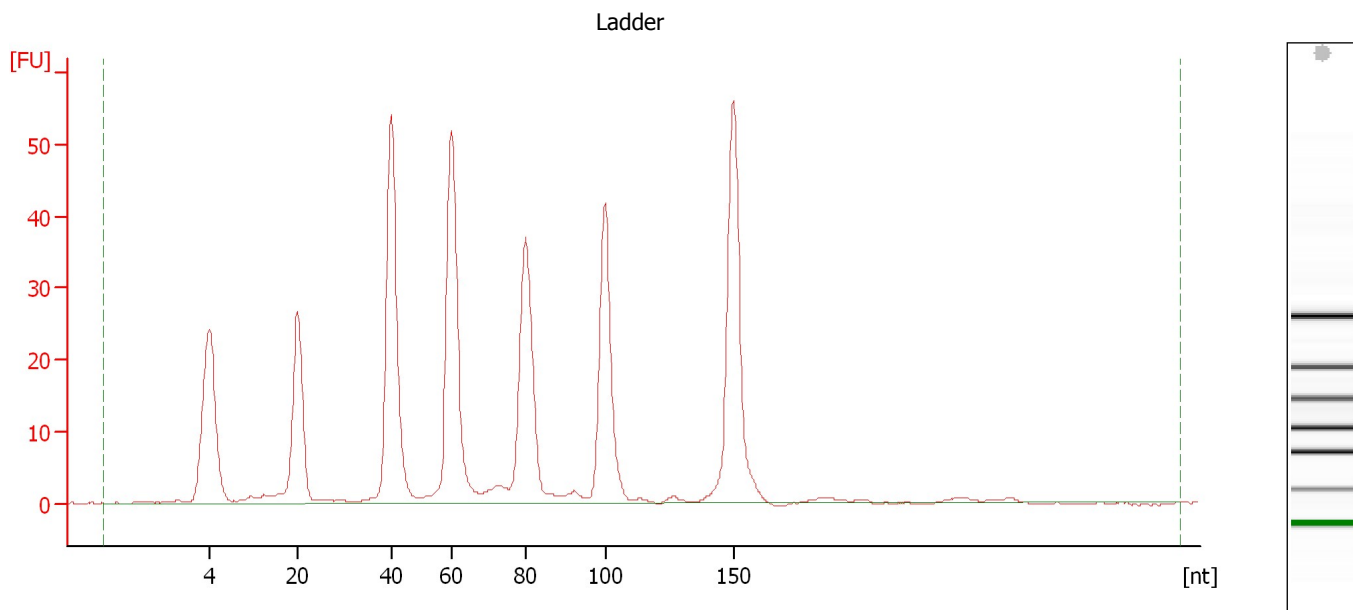
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Result Flagging Color:

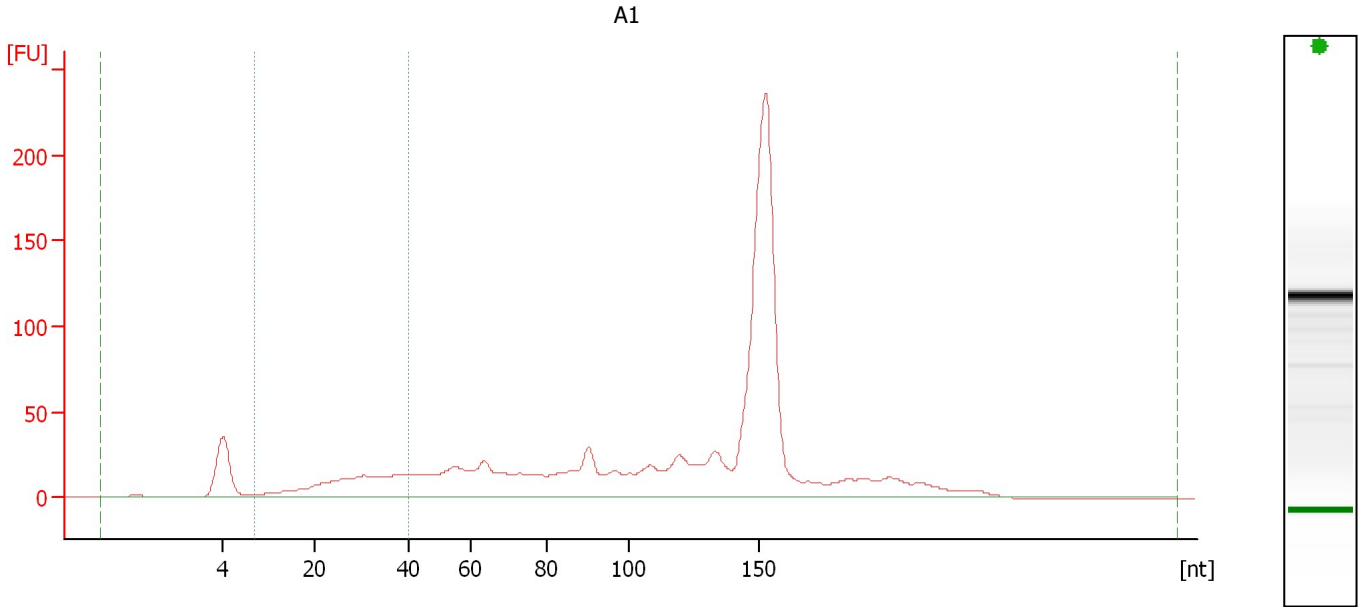
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : A1**

Small RNA Concentration [pg/μl]:	4,459.6	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	1,061.2	Result Flagging Label:	24 % miRNA; Concentration: 1061.20 pg/μl
miRNA / Small RNA Ratio [%]:	24		

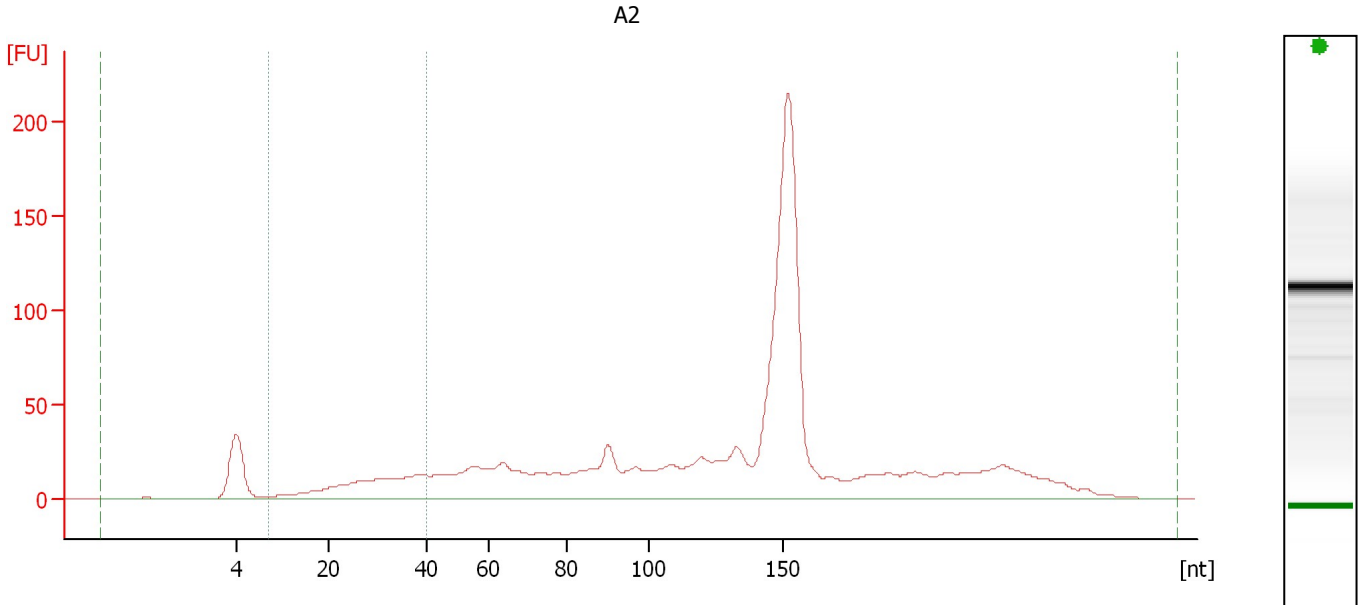
**Region table for sample 1 : A1**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	309	117	46.1	4,459.6	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	26.7	1,061.2	24	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : A2**

Small RNA Concentration [pg/μl]:	4,655.3	Result Flagging Color:	<span style="background-color: green; color: black;"> </span>
miRNA Concentration [pg/μl]:	959.0	Result Flagging Label:	21 % miRNA; Concentration: 959 pg/μl
miRNA / Small RNA Ratio [%]:	21		

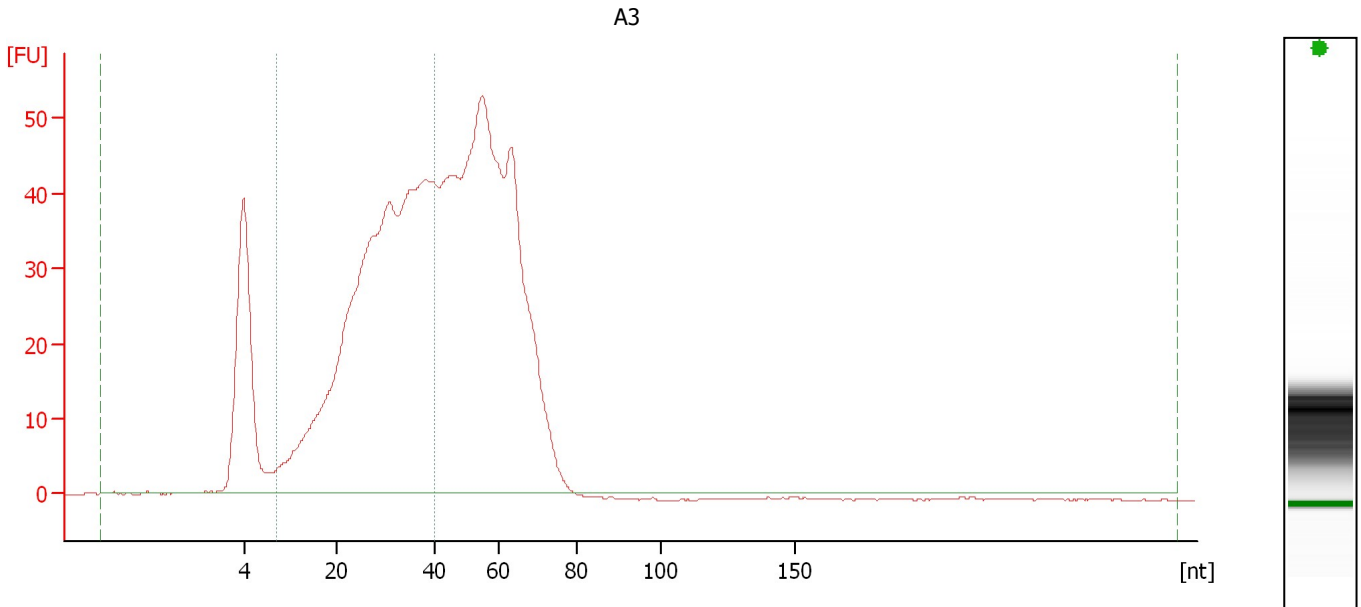
**Region table for sample 2 : A2**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	297	130	47.4	4,655.3	100	<span style="background-color: maroon; color: black;"> </span>
miRNA	10	40	29	26.4	959.0	21	<span style="background-color: green; color: black;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : A3**

Small RNA Concentration [pg/μl]:	4,006.7	Result Flagging Color:	<span style="background-color: green; color: green;"> </span>
miRNA Concentration [pg/μl]:	2,683.6	Result Flagging Label:	67 % miRNA; Concentration: 2683.60 pg/μl
miRNA / Small RNA Ratio [%]:	67		

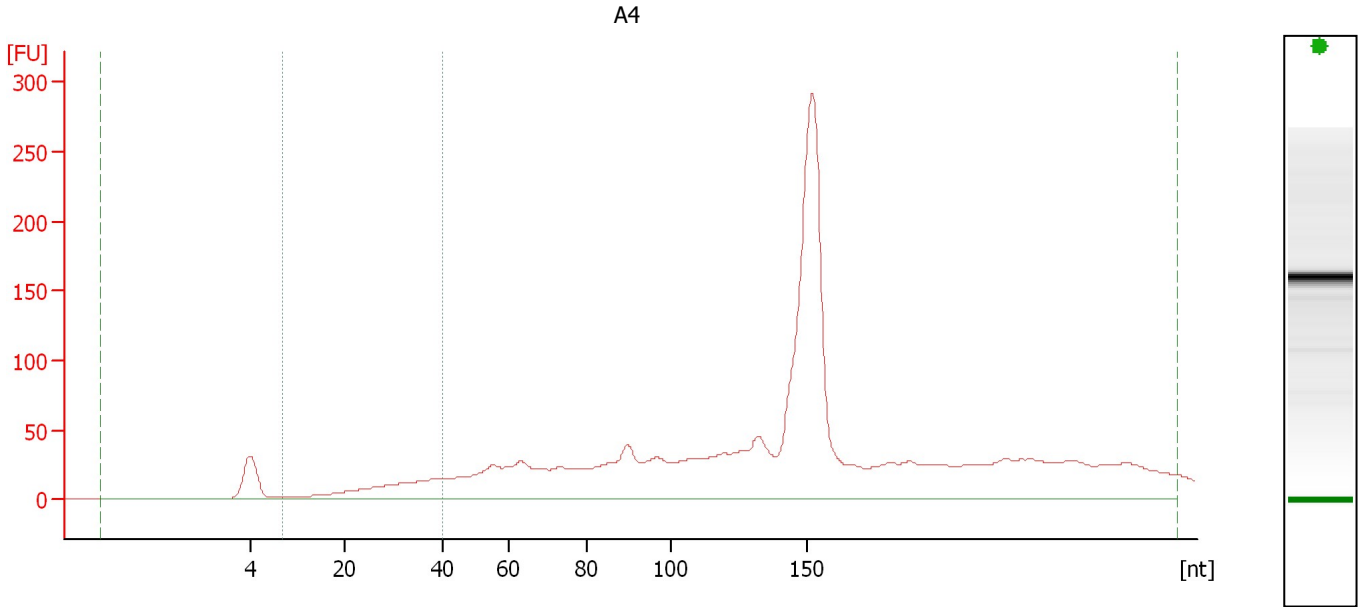
**Region table for sample 3 : A3**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	291	40	45.5	4,006.7	100	<span style="background-color: purple; color: purple;"> </span>
miRNA	10	40	29	25.1	2,683.6	67	<span style="background-color: green; color: green;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : A4**

Small RNA Concentration [pg/μl]: 7,461.4  
 miRNA Concentration [pg/μl]: 1,035.3  
 miRNA / Small RNA Ratio [%]: 14

Result Flagging Color: ████████  
 Result Flagging Label: 14 % miRNA;  
 Concentration: 1035.30 pg/μl

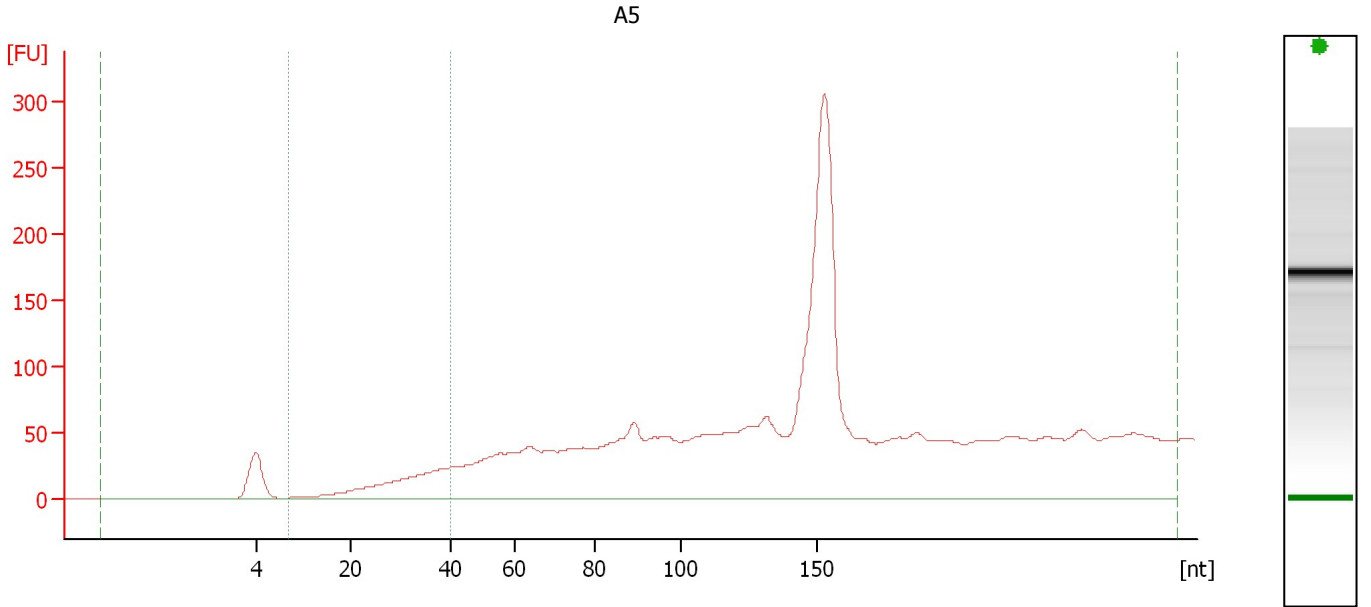
**Region table for sample 4 : A4**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	285	146	45.5	7,461.4	100	<span style="background-color: maroon; color: maroon;">████</span>
miRNA	10	40	29	25.5	1,035.3	14	<span style="background-color: green; color: green;">████</span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : A5**

Small RNA Concentration [pg/μl]:	9,779.3	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	1,248.1	Result Flagging Label:	13 % miRNA; Concentration: 1248.10 pg/μl
miRNA / Small RNA Ratio [%]:	13		

**Region table for sample 5 : A5**

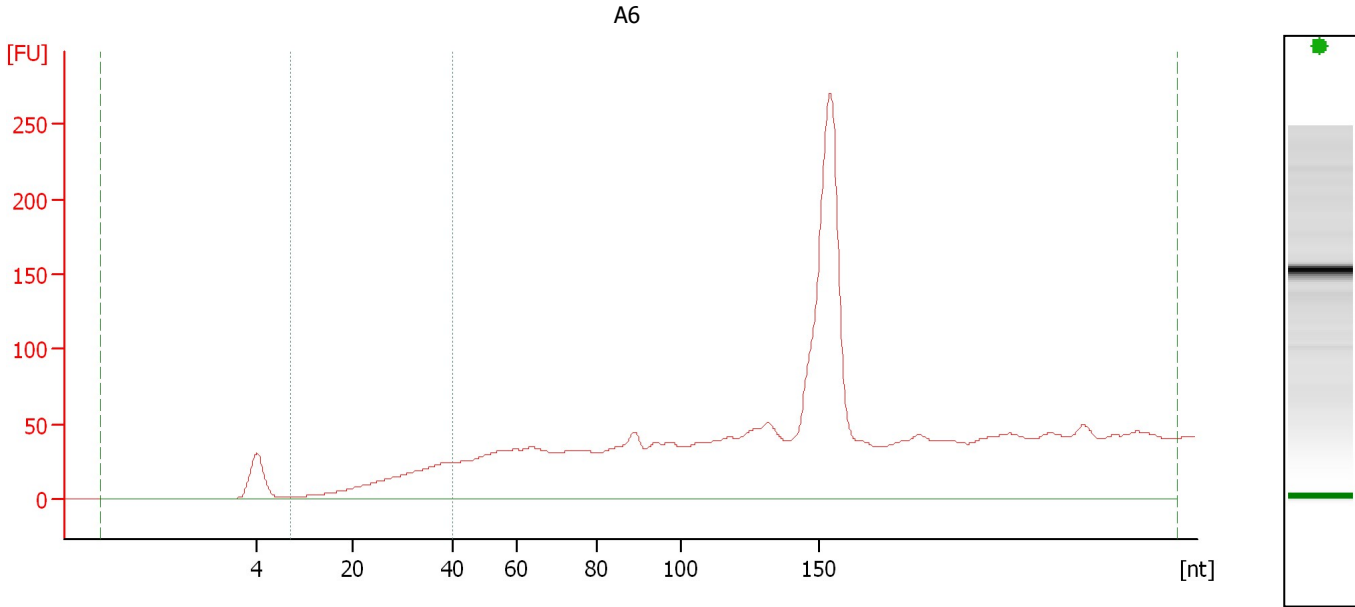
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	281	149	45.9	9,779.3	100	<span style="background-color: maroon; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	30	23.8	1,248.1	13	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>



Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : A6**

Small RNA Concentration [pg/μl]:	9,777.9	Result Flagging Color:	<span style="background-color: green; color: green;"> </span>
miRNA Concentration [pg/μl]:	1,526.3	Result Flagging Label:	16 % miRNA; Concentration: 1526.30 pg/μl
miRNA / Small RNA Ratio [%]:	16		

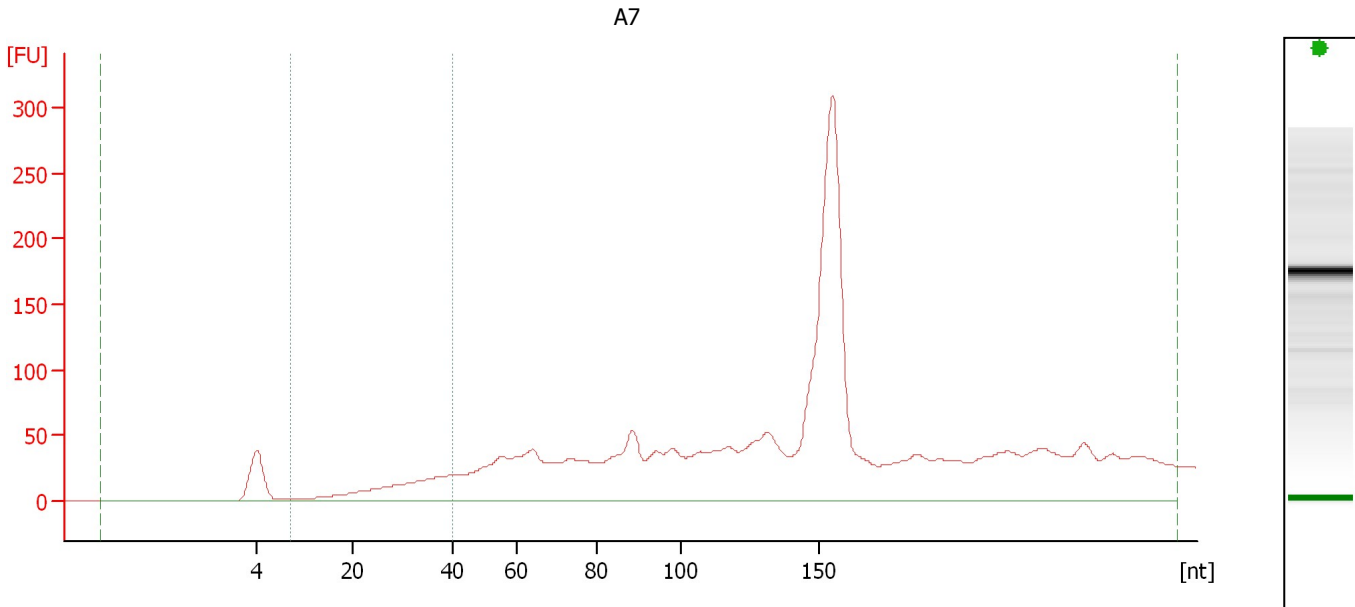
**Region table for sample 6 : A6**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	280	149	46.9	9,777.9	100	<span style="background-color: maroon; color: maroon;"> </span>
miRNA	10	40	30	24.3	1,526.3	16	<span style="background-color: green; color: green;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : A7**

Small RNA Concentration [pg/μl]: 7,559.8  
 miRNA Concentration [pg/μl]: 1,036.9  
 miRNA / Small RNA Ratio [%]: 14

Result Flagging Color: ████████  
 Result Flagging Label: 14 % miRNA;  
 Concentration: 1036.90 pg/μl

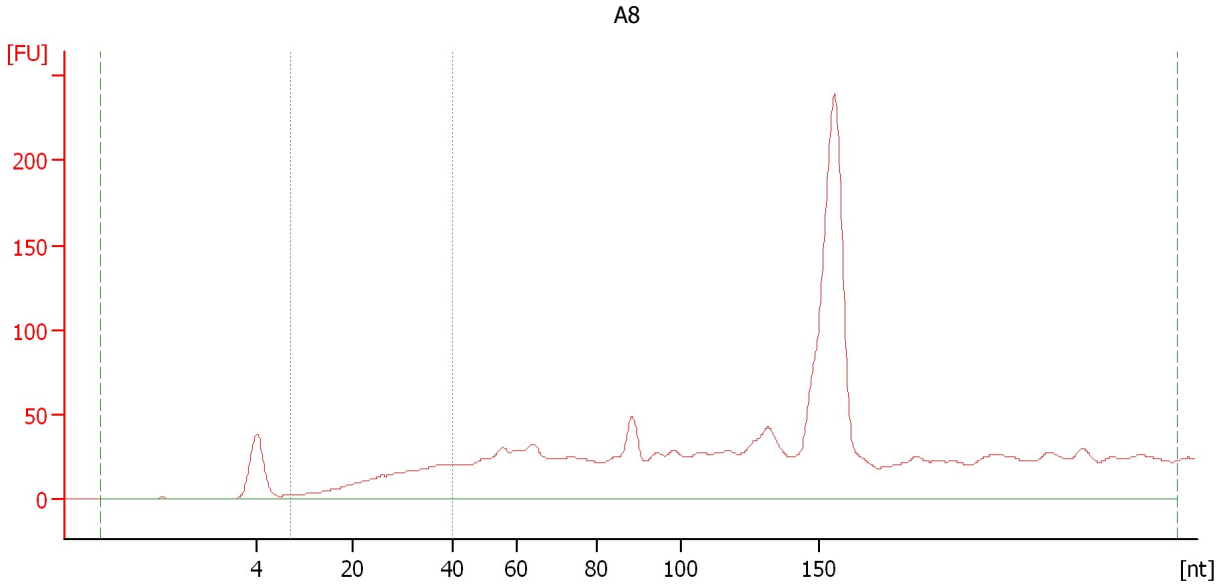
**Region table for sample 7 : A7**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	280	145	46.4	7,559.8	100	<span style="background-color: maroon; color: maroon;">████</span>
miRNA	10	40	30	24.8	1,036.9	14	<span style="background-color: green; color: green;">████</span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A8**

Small RNA Concentration [pg/μl]: 6,148.9  
 miRNA Concentration [pg/μl]: 1,305.5  
 miRNA / Small RNA Ratio [%]: 21

Result Flagging Color: ████████  
 Result Flagging Label: 21 % miRNA;  
 Concentration: 1305.50 pg/μl

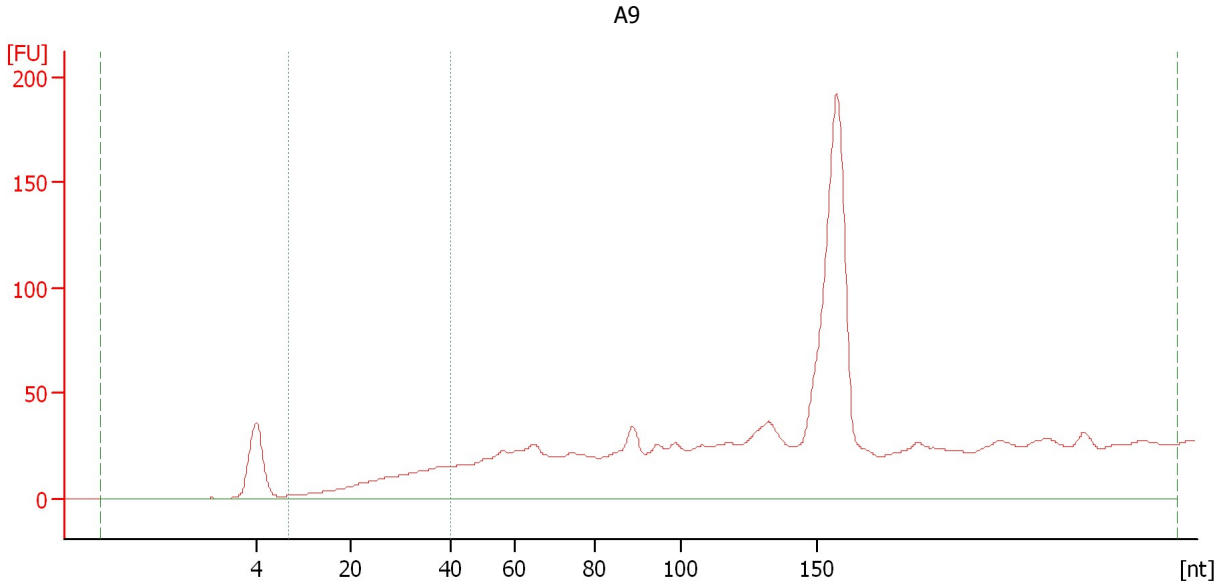
**Region table for sample 8 : A8**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	280	138	50.7	6,148.9	100	<span style="background-color: maroon; color: maroon;">████</span>
miRNA	10	40	29	26.7	1,305.5	21	<span style="background-color: green; color: green;">████</span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A9**

Small RNA Concentration [pg/μl]: 5,672.9  
 miRNA Concentration [pg/μl]: 1,025.3  
 miRNA / Small RNA Ratio [%]: 18

Result Flagging Color:    
 Result Flagging Label: 18 % miRNA;  
 Concentration: 1025.30 pg/μl

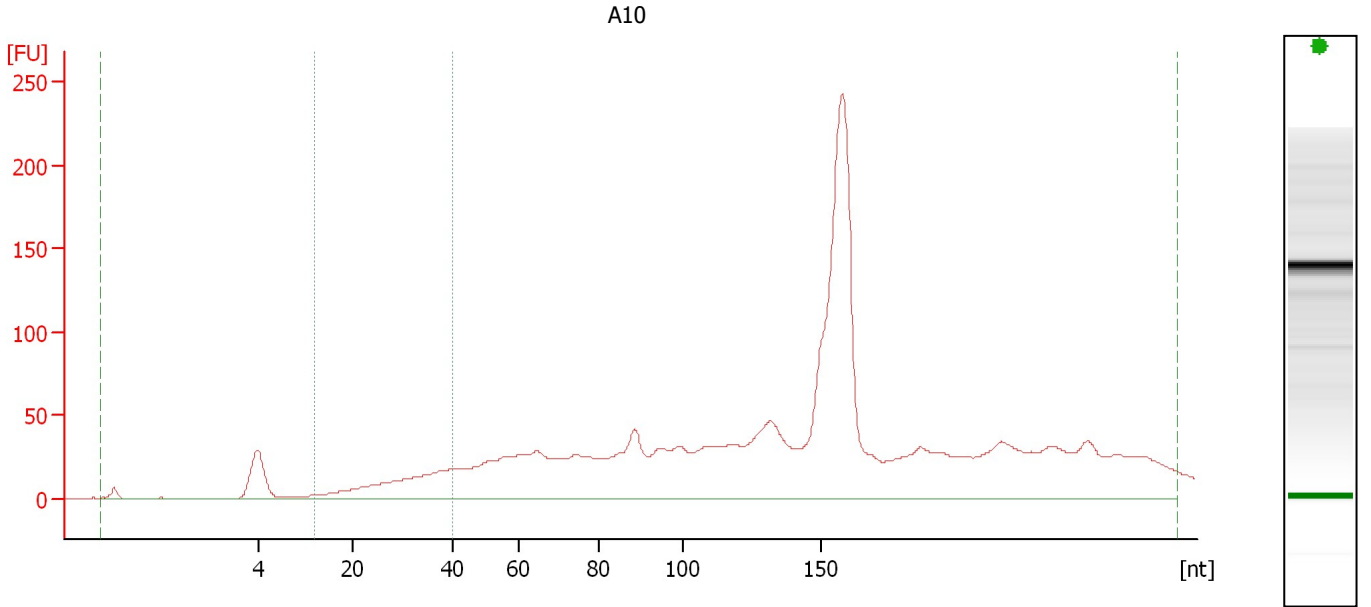
**Region table for sample 9 : A9**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	281	145	49.2	5,672.9	100	<span style="background-color: maroon; color: maroon;"> </span>
miRNA	10	40	29	27.0	1,025.3	18	<span style="background-color: green; color: green;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : A10**

Small RNA Concentration [pg/μl]: 8,198.2  
 miRNA Concentration [pg/μl]: 1,169.9  
 miRNA / Small RNA Ratio [%]: 14

Result Flagging Color:    
 Result Flagging Label: 14 % miRNA;  
 Concentration: 1169.90 pg/μl

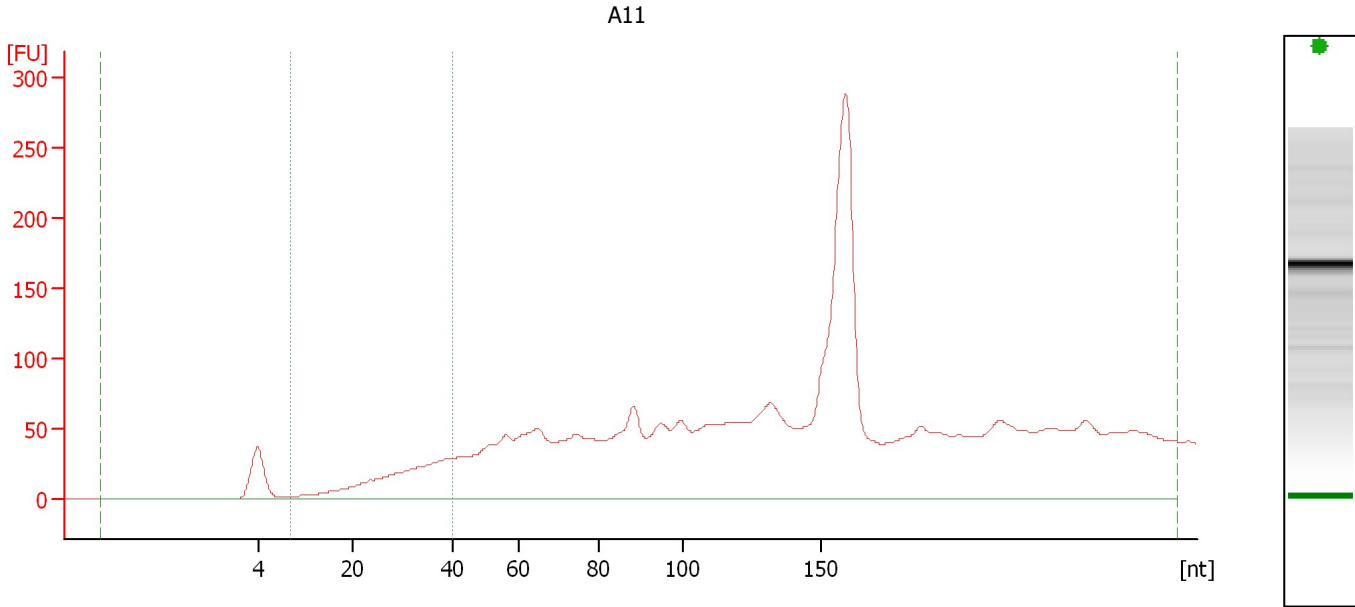
**Region table for sample 10 : A10**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	279	144	46.2	8,198.2	100	<span style="background-color: maroon; color: maroon;"> </span>
miRNA	13	40	30	22.9	1,169.9	14	<span style="background-color: green; color: green;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : A11**

Small RNA Concentration [pg/μl]: 10,440.6  
 miRNA Concentration [pg/μl]: 1,661.0  
 miRNA / Small RNA Ratio [%]: 16

Result Flagging Color:             
 Result Flagging Label: 16 % miRNA;  
 Concentration: 1661  
 pg/μl

**Region table for sample 11 : A11**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	279	146	47.8	10,440.6	100	<span style="background-color: maroon; color: black;">          </span>
miRNA	10	40	30	24.9	1,661.0	16	<span style="background-color: green; color: black;">          </span>

Assay Class: Small RNA  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-17\2017-08-17\_003.xad

Created: 8/17/2017 11:33:52 AM  
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**Gel Image**

