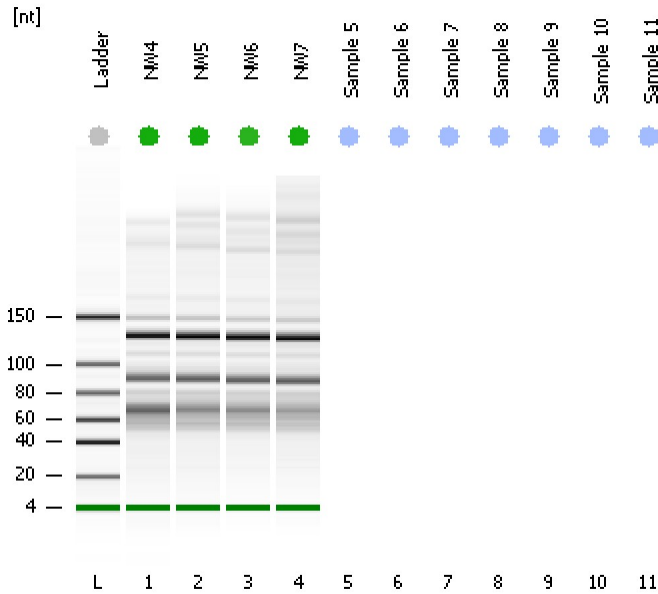


Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 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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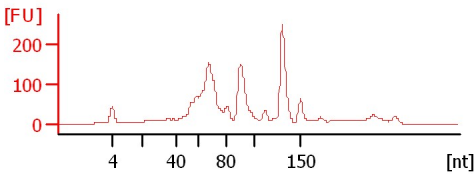
Chip Information:

Chip Lot #:

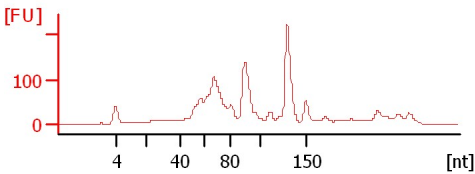
Reagent Kit Lot #:

Chip Comments:

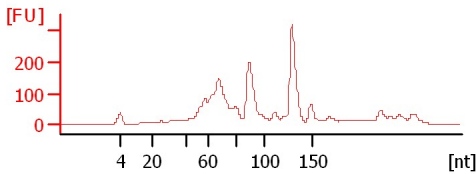
NW4
13 % miRNA; Concentration: 770.60 pg/μl



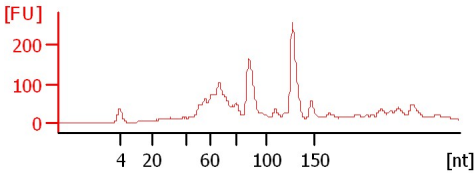
NW5
13 % miRNA; Concentration: 695.10 pg/μl



NW6
11 % miRNA; Concentration: 954.50 pg/μl















NW7
12 % miRNA; Concentration: 914.10 pg/μl



Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NW4		✓	13 % miRNA; Concentration: 770.60 pg/μl	
NW5		✓	13 % miRNA; Concentration: 695.10 pg/μl	
NW6		✓	11 % miRNA; Concentration: 954.50 pg/μl	
NW7		✓	12 % miRNA; Concentration: 914.10 pg/μl	
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	Number of Peaks: 6	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 90
Start Analysis Time Range [s] : 31
End Analysis Time Range [s] : 89
Ladder Concentration [pg/ μ l] : 2500
Lower Marker Concentration [pg/ μ l] : 500
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 30
Integration End Time [s] : 89
Slope Threshold : 0.6
Height Threshold [FU] : 3
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 60

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

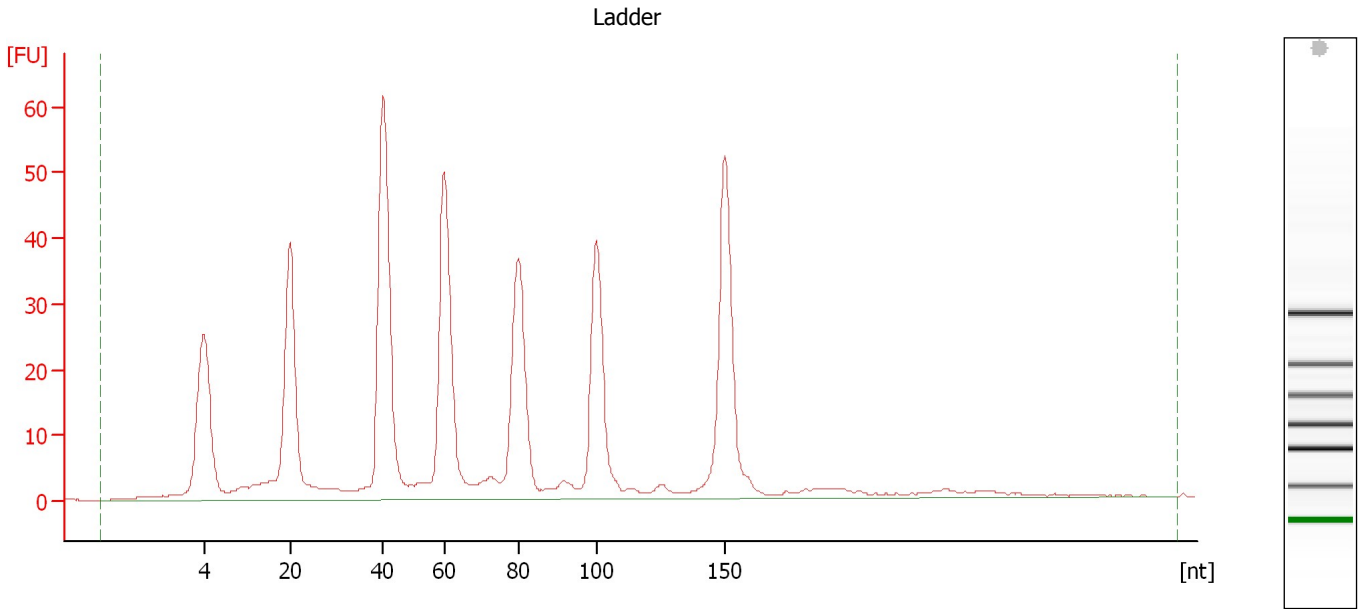
Ladder

Ladder Peak	Size
1	4
2	20
3	40
4	60
5	80
6	100
7	150

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 AM

Electropherogram Summary



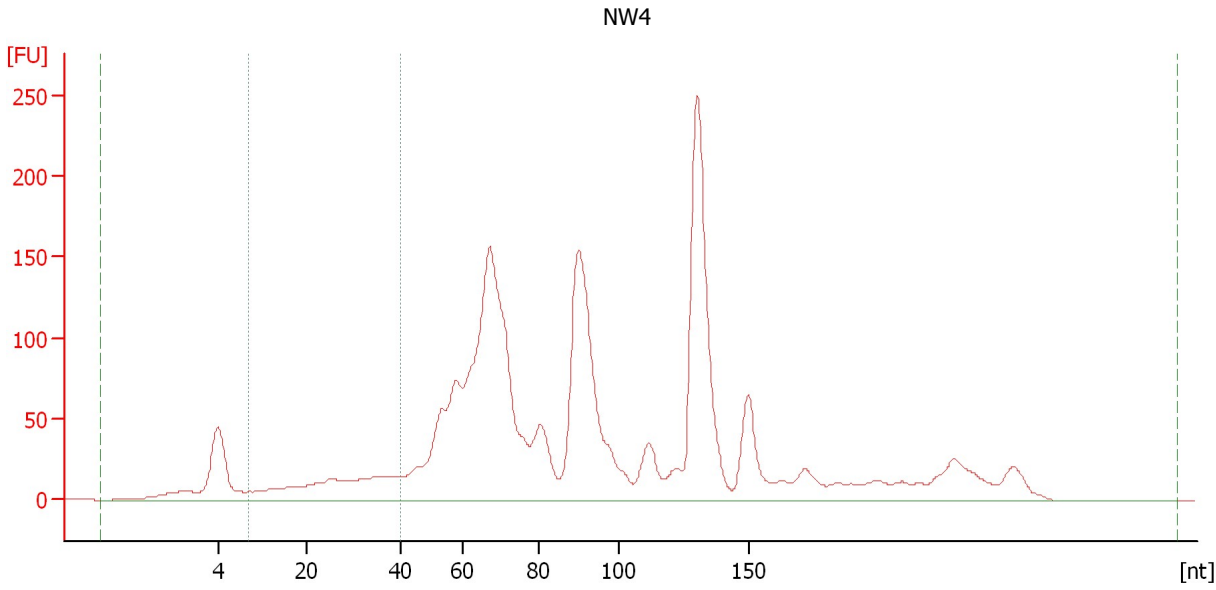
Overall Results for Ladder

Result Flagging Color: Result Flagging Label: Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
 Modified: 9/11/2017 11:35:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NW4

Small RNA Concentration [pg/μl]: 5,858.8
 miRNA Concentration [pg/μl]: 770.6
 miRNA / Small RNA Ratio [%]: 13

Result Flagging Color:
 Result Flagging Label: 13 % miRNA;
 Concentration: 770.60
 pg/μl

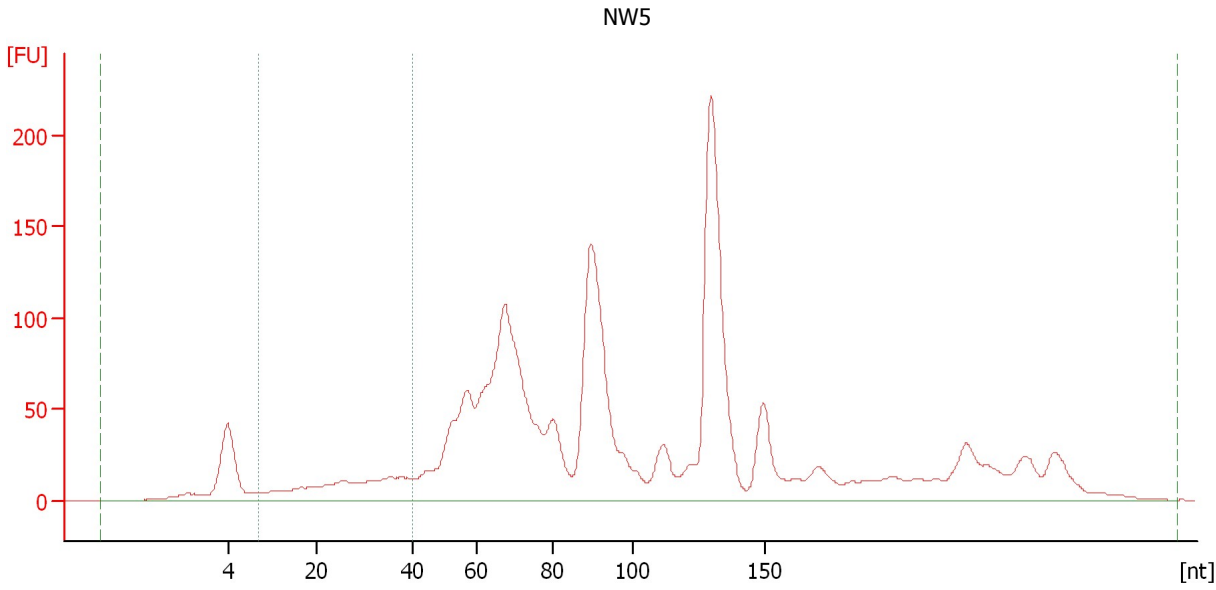
Region table for sample 1 : NW4

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	313	101	55.8	5,858.8	100	
miRNA	10	40	27	31.6	770.6	13	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
 Modified: 9/11/2017 11:35:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NW5

Small RNA Concentration [pg/μl]: 5,433.3
 miRNA Concentration [pg/μl]: 695.1
 miRNA / Small RNA Ratio [%]: 13

Result Flagging Color:
 Result Flagging Label: 13 % miRNA;
 Concentration: 695.10
 pg/μl

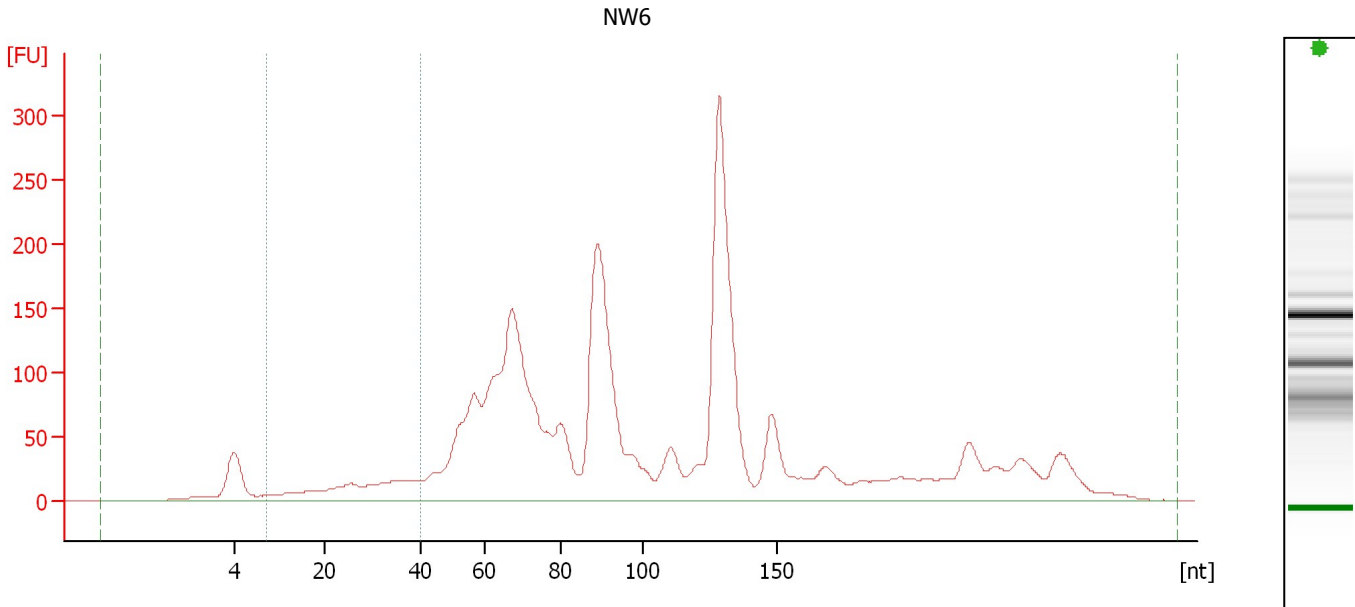
Region table for sample 2 : NW5

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	305	112	58.5	5,433.3	100	
miRNA	10	40	27	31.7	695.1	13	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
 Modified: 9/11/2017 11:35:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NW6

Small RNA Concentration [pg/μl]: 8,739.8
 miRNA Concentration [pg/μl]: 954.5
 miRNA / Small RNA Ratio [%]: 11

Result Flagging Color:
 Result Flagging Label: 11 % miRNA;
 Concentration: 954.50
 pg/μl

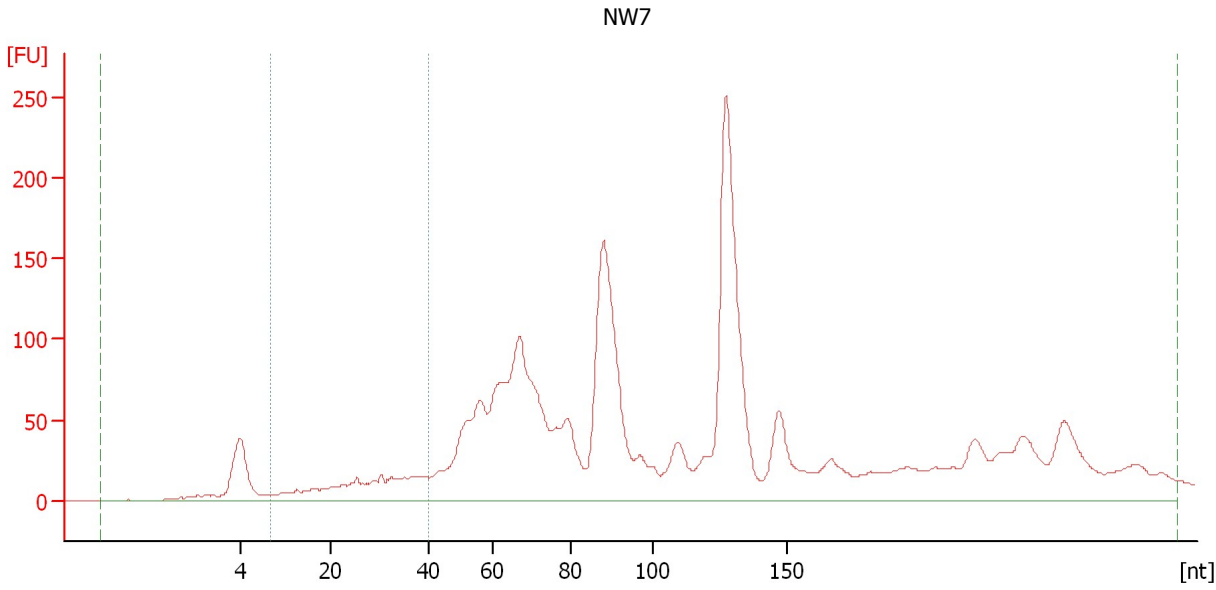
Region table for sample 3 : NW6

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	299	113	55.6	8,739.8	100	
miRNA	10	40	27	30.6	954.5	11	

Assay Class: Small RNA
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
 Modified: 9/11/2017 11:35:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NW7

Small RNA Concentration [pg/μl]: 7,765.5
 miRNA Concentration [pg/μl]: 914.1
 miRNA / Small RNA Ratio [%]: 12

Result Flagging Color:
 Result Flagging Label: 12 % miRNA;
 Concentration: 914.10
 pg/μl

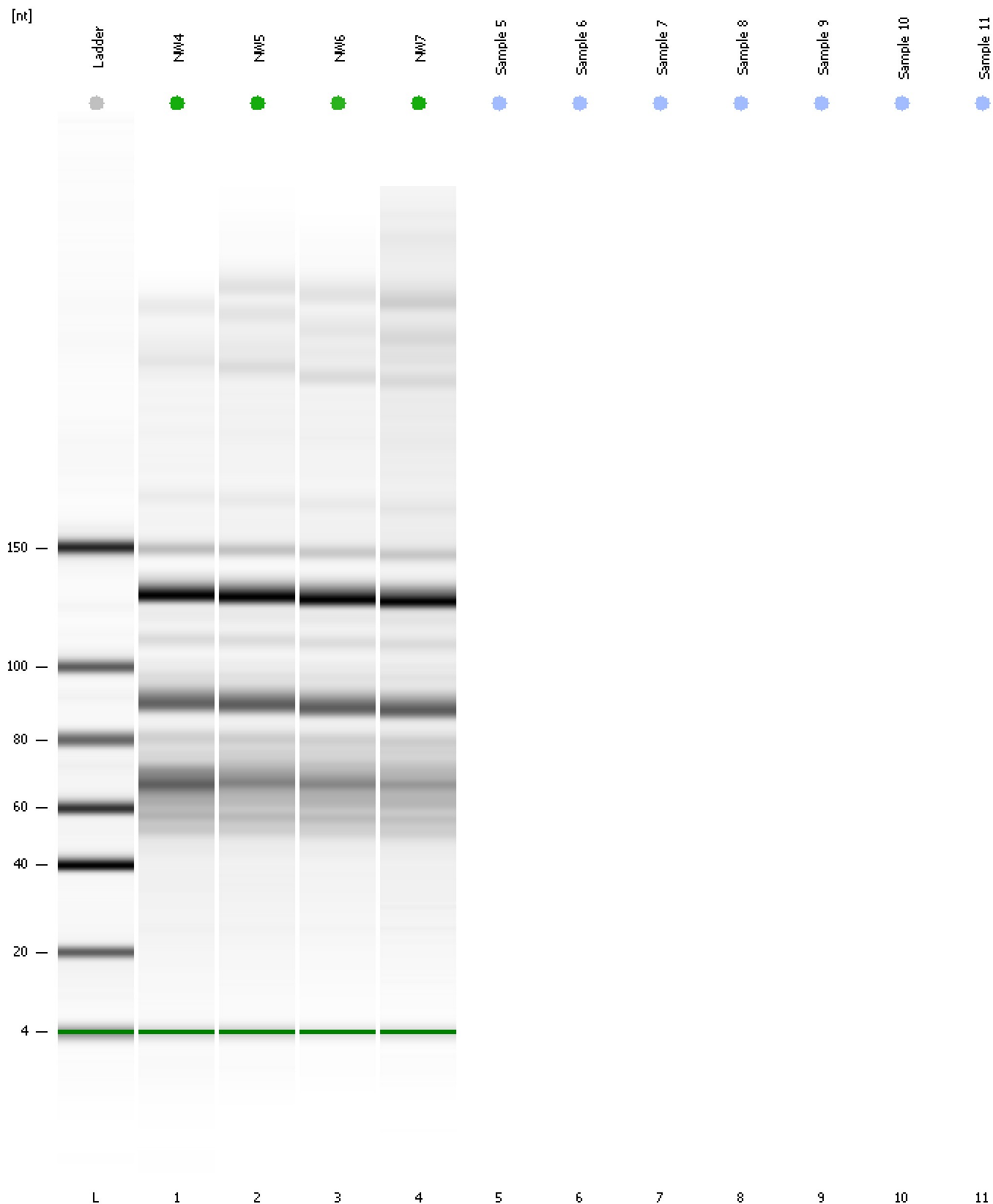
Region table for sample 4 : NW7

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	295	126	58.0	7,765.5	100	
miRNA	10	40	27	29.9	914.1	12	

Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 AM

Gel Image



Assay Class: Small RNA
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-11\2017-09-11_002.xad

Created: 9/11/2017 11:16:39 AM
Modified: 9/11/2017 11:35:15 AM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.