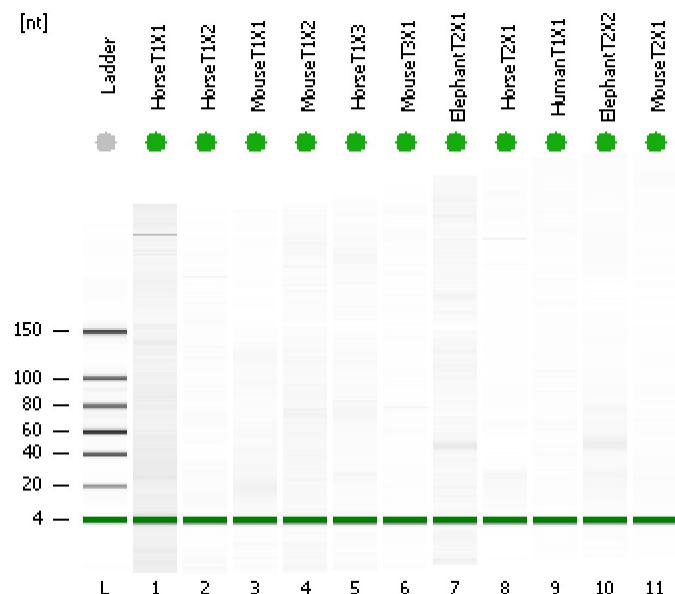


Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
Modified: 7/27/2010 12:40:34 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\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:

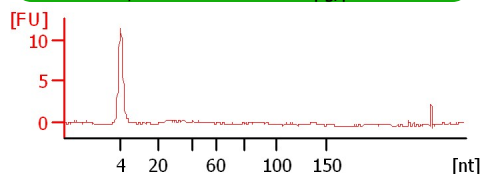
Chip Lot #:

Reagent Kit Lot #:

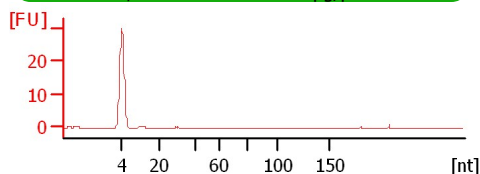
Chip Comments:

HorseT1X1

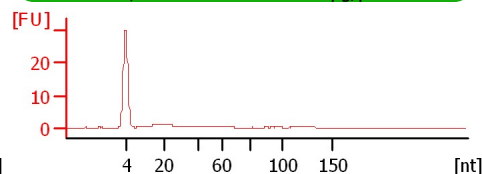
47 % miRNA; Concentration: 7.40 pg/μl

**HorseT1X2**

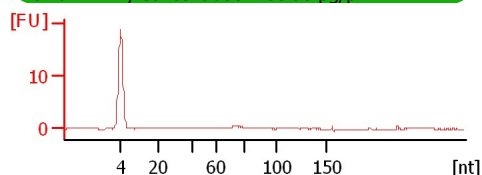
73 % miRNA; Concentration: 3.40 pg/μl

**MouseT1X1**

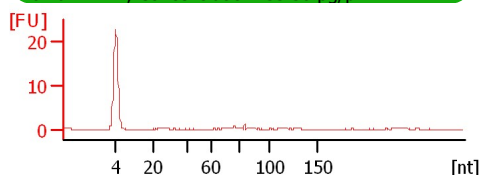
74 % miRNA; Concentration: 176.30 pg/μl

**MouseT1X2**

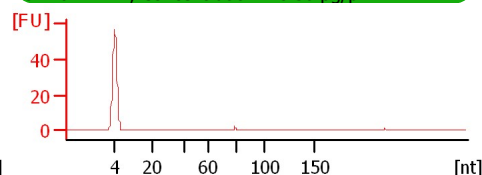
46 % miRNA; Concentration: 30.90 pg/μl

**HorseT1X3**

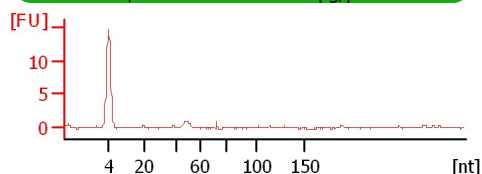
40 % miRNA; Concentration: 55.50 pg/μl

**MouseT3X1**

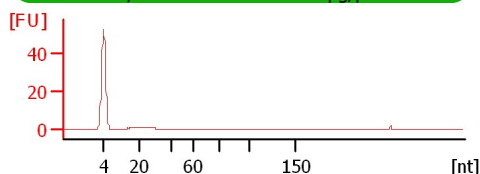
34 % miRNA; Concentration: 16.30 pg/μl

**ElephantT2X1**

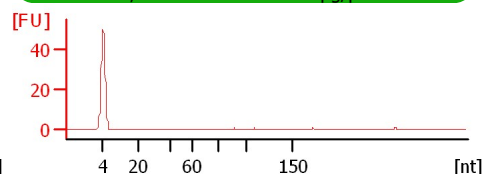
30 % miRNA; Concentration: 42.90 pg/μl

**HorseT2X1**

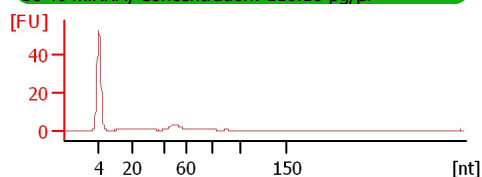
70 % miRNA; Concentration: 126.40 pg/μl

**HumanT1X1**

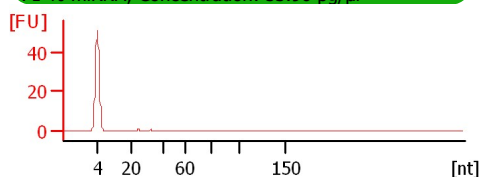
40 % miRNA; Concentration: 29.70 pg/μl

**ElephantT2X2**

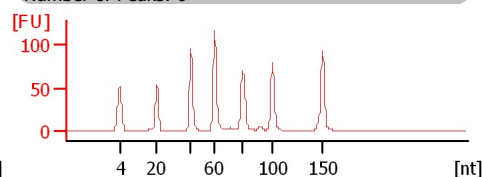
58 % miRNA; Concentration: 110.10 pg/μl

**MouseT2X1**

71 % miRNA; Concentration: 53.90 pg/μl

**Ladder**

Number of Peaks: 6



Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
Modified: 7/27/2010 12:40:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HorseT1X1		✓	47 % miRNA; Concentration: 7.40 pg/μl	
HorseT1X2		✓	73 % miRNA; Concentration: 3.40 pg/μl	
MouseT1X1		✓	74 % miRNA; Concentration: 176.30 pg/μl	
MouseT1X2		✓	46 % miRNA; Concentration: 30.90 pg/μl	
HorseT1X3		✓	40 % miRNA; Concentration: 55.50 pg/μl	
MouseT3X1		✓	34 % miRNA; Concentration: 16.30 pg/μl	
ElephantT2X1		✓	30 % miRNA; Concentration: 42.90 pg/μl	
HorseT2X1		✓	70 % miRNA; Concentration: 126.40 pg/μl	
HumanT1X1		✓	40 % miRNA; Concentration: 29.70 pg/μl	
ElephantT2X2		✓	58 % miRNA; Concentration: 110.10 pg/μl	
MouseT2X1		✓	71 % miRNA; Concentration: 53.90 pg/μl	

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

Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
Modified: 7/27/2010 12:40:34 PM

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/μl] : 2500

Lower Marker Concentration [pg/μl] : 500

Upper Marker Concentration [pg/μl] : 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

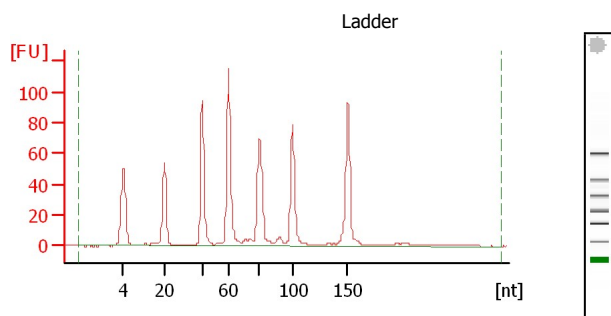
Ladder

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

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

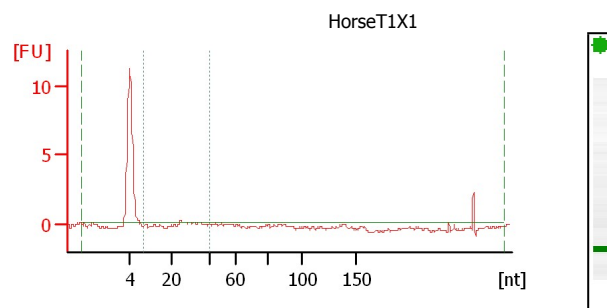
Created: 7/27/2010 12:08:28 PM
 Modified: 7/27/2010 12:40:34 PM

Electropherogram Summary



Overall Results for Ladder

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

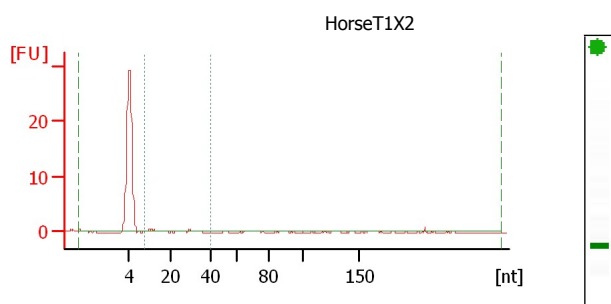


Overall Results for sample 1 : HorseT1X1

Small RNA Concentration [pg/μl]: 15.7
 miRNA Concentration [pg/μl]: 7.4
 miRNA / Small RNA Ratio [%]: 47
 Result Flagging Color:
 Result Flagging Label: 47 % miRNA; Concentration: 7.40 pg/μl

Region table for sample 1 : HorseT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	281	15	100.0	15.7	100	
miRNA	10	40	29	12.5	7.4	47	

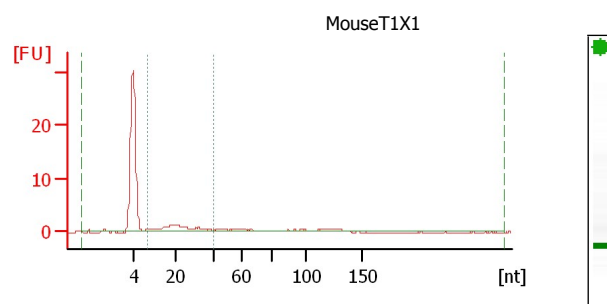


Overall Results for sample 2 : HorseT1X2

Small RNA Concentration [pg/μl]: 4.6
 miRNA Concentration [pg/μl]: 3.4
 miRNA / Small RNA Ratio [%]: 73
 Result Flagging Color:
 Result Flagging Label: 73 % miRNA; Concentration: 3.40 pg/μl

Region table for sample 2 : HorseT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	276	5	100.0	4.6	100	
miRNA	10	40	19	44.6	3.4	73	



Overall Results for sample 3 : MouseT1X1

Small RNA Concentration [pg/μl]: 236.9
 miRNA Concentration [pg/μl]: 176.3
 miRNA / Small RNA Ratio [%]: 74
 Result Flagging Color:
 Result Flagging Label: 74 % miRNA; Concentration: 176.30 pg/μl

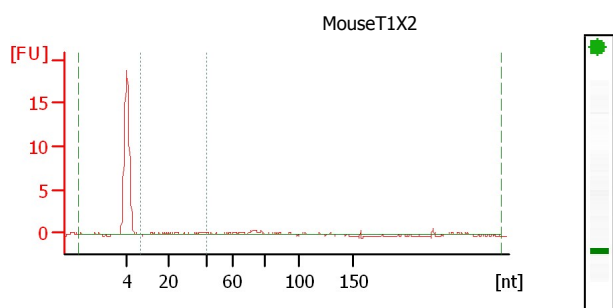
Region table for sample 3 : MouseT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	274	20	100.0	236.9	100	
miRNA	10	40	22	33.8	176.3	74	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
 Modified: 7/27/2010 12:40:34 PM

Electropherogram Summary Continued ...

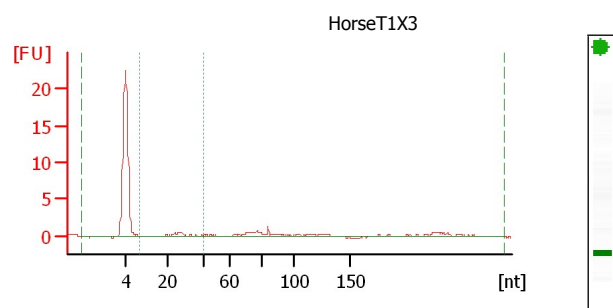


Overall Results for sample 4 : MouseT1X2

Small RNA Concentration [pg/μl]: 66.8
 miRNA Concentration [pg/μl]: 30.9
 miRNA / Small RNA Ratio [%]: 46
 Result Flagging Color:
 Result Flagging Label: 46 % miRNA; Concentration: 30.90 pg/μl

Region table for sample 4 : MouseT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	281	18	100.0	66.8	100	
miRNA	10	40	26	34.1	30.9	46	

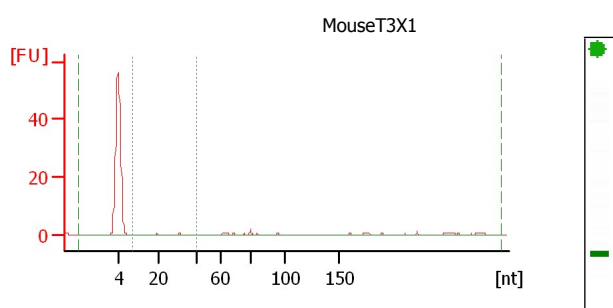


Overall Results for sample 5 : HorseT1X3

Small RNA Concentration [pg/μl]: 140.6
 miRNA Concentration [pg/μl]: 55.5
 miRNA / Small RNA Ratio [%]: 40
 Result Flagging Color:
 Result Flagging Label: 40 % miRNA; Concentration: 55.50 pg/μl

Region table for sample 5 : HorseT1X3

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	290	44	100.0	140.6	100	
miRNA	10	40	25	28.5	55.5	40	

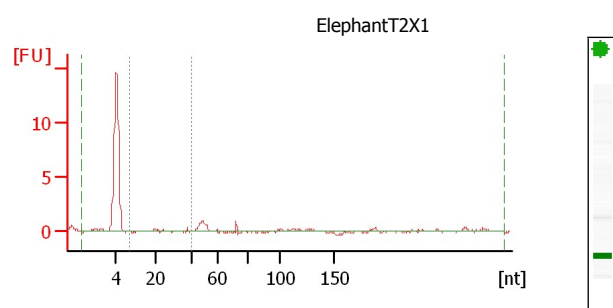


Overall Results for sample 6 : MouseT3X1

Small RNA Concentration [pg/μl]: 47.8
 miRNA Concentration [pg/μl]: 16.3
 miRNA / Small RNA Ratio [%]: 34
 Result Flagging Color:
 Result Flagging Label: 34 % miRNA; Concentration: 16.30 pg/μl

Region table for sample 6 : MouseT3X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	299	27	100.0	47.8	100	
miRNA	10	40	23	31.8	16.3	34	



Overall Results for sample 7 : ElephantT2X1

Small RNA Concentration [pg/μl]: 143.3
 miRNA Concentration [pg/μl]: 42.9
 miRNA / Small RNA Ratio [%]: 30
 Result Flagging Color:
 Result Flagging Label: 30 % miRNA; Concentration: 42.90 pg/μl

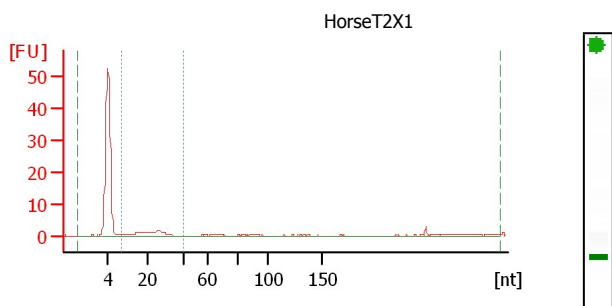
Region table for sample 7 : ElephantT2X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	310	48	100.0	143.3	100	
miRNA	10	40	24	33.5	42.9	30	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
 Modified: 7/27/2010 12:40:34 PM

Electropherogram Summary Continued ...

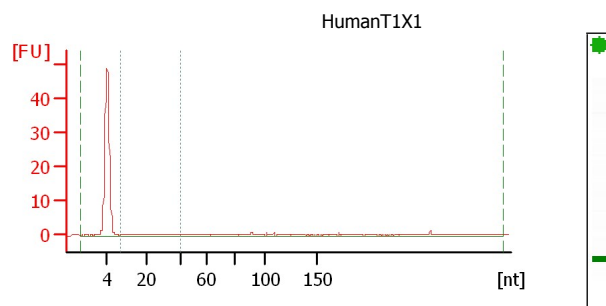


Overall Results for sample 8 : HorseT2X1

Small RNA Concentration [pg/μl]: 180.7
 miRNA Concentration [pg/μl]: 126.4
 miRNA / Small RNA Ratio [%]: 70
 Result Flagging Color:
 Result Flagging Label: 70 % miRNA; Concentration: 126.40 pg/μl

Region table for sample 8 : HorseT2X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	320	45	100.0	180.7	100	
miRNA	10	40	22	30.9	126.4	70	

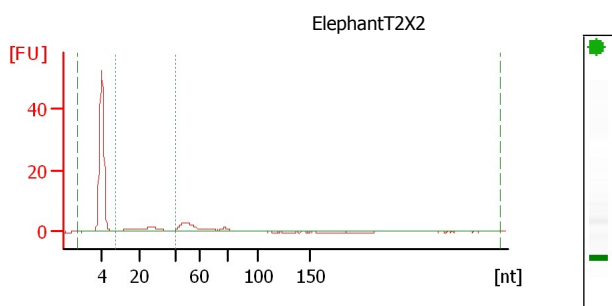


Overall Results for sample 9 : HumanT1X1

Small RNA Concentration [pg/μl]: 74.5
 miRNA Concentration [pg/μl]: 29.7
 miRNA / Small RNA Ratio [%]: 40
 Result Flagging Color:
 Result Flagging Label: 40 % miRNA; Concentration: 29.70 pg/μl

Region table for sample 9 : HumanT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	329	43	100.0	74.5	100	
miRNA	10	40	24	38.1	29.7	40	

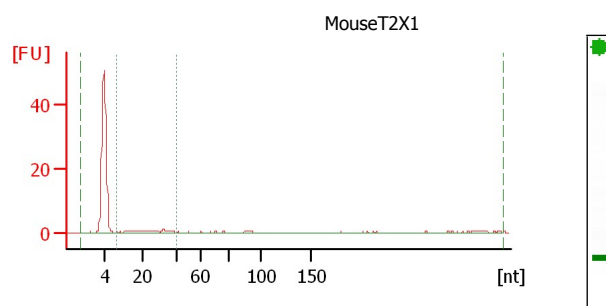


Overall Results for sample 10 : ElephantT2X2

Small RNA Concentration [pg/μl]: 189.7
 miRNA Concentration [pg/μl]: 110.1
 miRNA / Small RNA Ratio [%]: 58
 Result Flagging Color:
 Result Flagging Label: 58 % miRNA; Concentration: 110.10 pg/μl

Region table for sample 10 : ElephantT2X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	336	30	100.0	189.7	100	
miRNA	10	40	24	31.6	110.1	58	



Overall Results for sample 11 : MouseT2X1

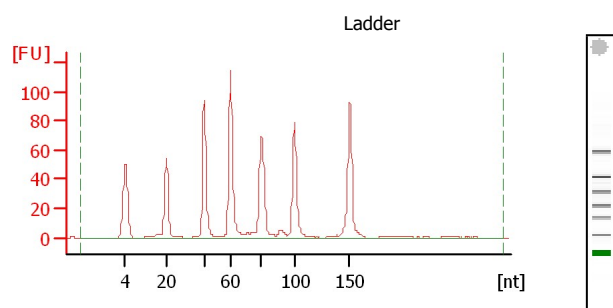
Small RNA Concentration [pg/μl]: 75.6
 miRNA Concentration [pg/μl]: 53.9
 miRNA / Small RNA Ratio [%]: 71
 Result Flagging Color:
 Result Flagging Label: 71 % miRNA; Concentration: 53.90 pg/μl

Region table for sample 11 : MouseT2X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	337	27	100.0	75.6	100	
miRNA	10	40	24	32.6	53.9	71	

Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
Modified: 7/27/2010 12:40:34 PM

Electropherogram Summary Continued ...**Overall Results for Ladder**

Result Flagging Color:



Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_12-08-28.xad

Created: 7/27/2010 12:08:28 PM
Modified: 7/27/2010 12:40:34 PM

Gel Image