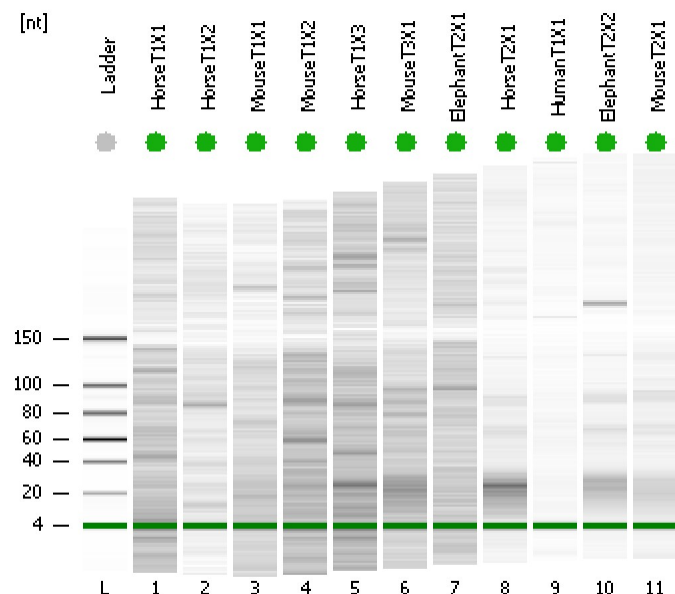


Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
Modified: 7/27/2010 4:36:49 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

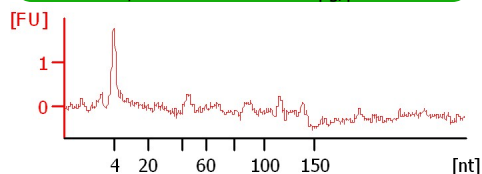
© Copyright 2007 - 2009 Agilent Technologies, Inc.

Chip Information:

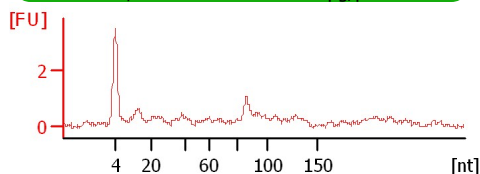
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

HorseT1X1

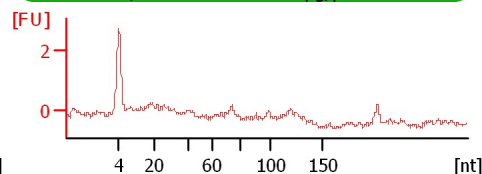
25 % miRNA; Concentration: 80.90 pg/μl

**HorseT1X2**

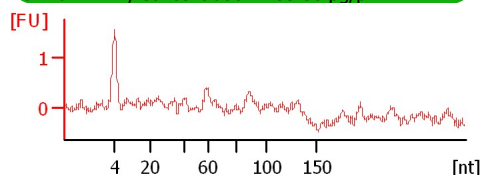
50 % miRNA; Concentration: 706.10 pg/μl

**MouseT1X1**

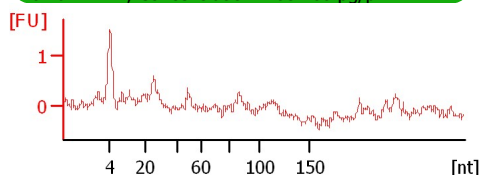
84 % miRNA; Concentration: 418 pg/μl

**MouseT1X2**

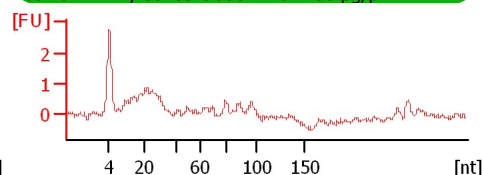
62 % miRNA; Concentration: 199.30 pg/μl

**HorseT1X3**

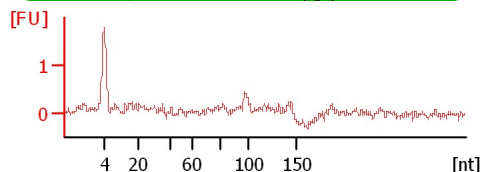
70 % miRNA; Concentration: 1087.60 pg/μl

**MouseT3X1**

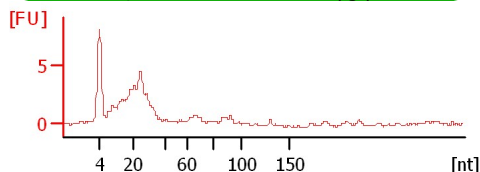
83 % miRNA; Concentration: 1611.30 pg/μl

**ElephantT2X1**

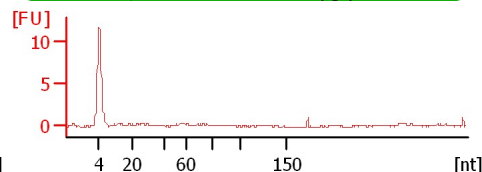
55 % miRNA; Concentration: 162 pg/μl

**HorseT2X1**

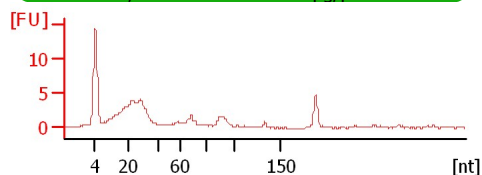
90 % miRNA; Concentration: 2184.60 pg/μl

**HumanT1X1**

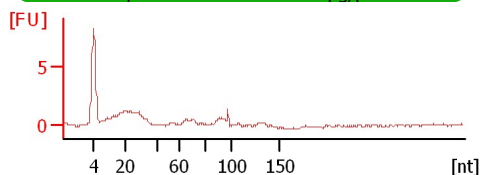
66 % miRNA; Concentration: 72.50 pg/μl

**ElephantT2X2**

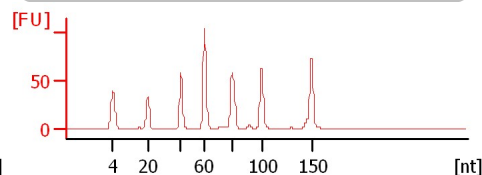
89 % miRNA; Concentration: 1372 pg/μl

**MouseT2X1**

84 % miRNA; Concentration: 907.20 pg/μl

**Ladder**

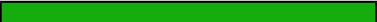
Number of Peaks: 6



Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
Modified: 7/27/2010 4:36:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HorseT1X1		✓	25 % miRNA; Concentration: 80.90 pg/μl	
HorseT1X2		✓	50 % miRNA; Concentration: 706.10 pg/μl	
MouseT1X1		✓	84 % miRNA; Concentration: 418 pg/μl	
MouseT1X2		✓	62 % miRNA; Concentration: 199.30 pg/μl	
HorseT1X3		✓	70 % miRNA; Concentration: 1087.60 pg/μl	
MouseT3X1		✓	83 % miRNA; Concentration: 1611.30 pg/μl	
ElephantT2X1		✓	55 % miRNA; Concentration: 162 pg/μl	
HorseT2X1		✓	90 % miRNA; Concentration: 2184.60 pg/μl	
HumanT1X1		✓	66 % miRNA; Concentration: 72.50 pg/μl	
ElephantT2X2		✓	89 % miRNA; Concentration: 1372 pg/μl	
MouseT2X1		✓	84 % miRNA; Concentration: 907.20 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_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
Modified: 7/27/2010 4:36:49 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/ 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

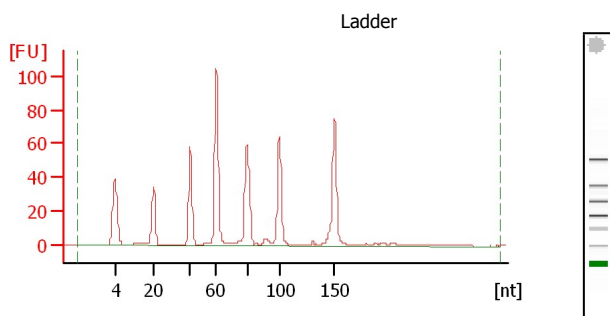
Ladder

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

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

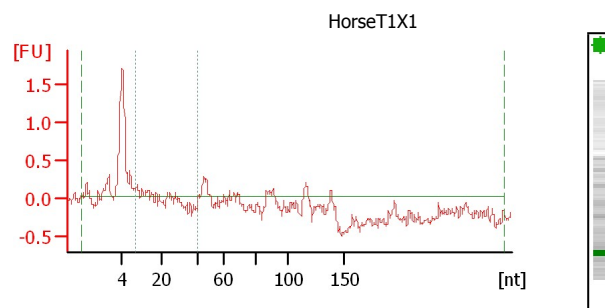
Created: 7/27/2010 3:48:27 PM
 Modified: 7/27/2010 4:36:49 PM

Electropherogram Summary



Overall Results for Ladder

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

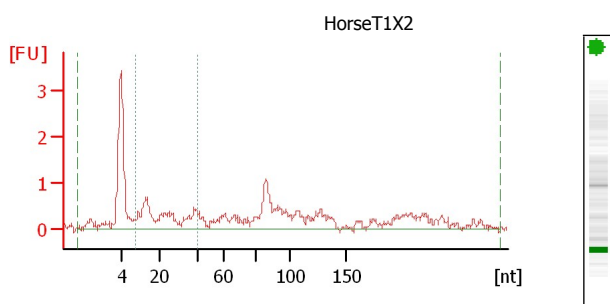


Overall Results for sample 1 : HorseT1X1

Small RNA Concentration [pg/μl]: 327.2
 miRNA Concentration [pg/μl]: 80.9
 miRNA / Small RNA Ratio [%]: 25
 Result Flagging Color:
 Result Flagging Label: 25 % miRNA; Concentration: 80.90 pg/μl

Region table for sample 1 : HorseT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	293	16	100.0	327.2	100	
miRNA	10	40	14	34.7	80.9	25	



Overall Results for sample 2 : HorseT1X2

Small RNA Concentration [pg/μl]: 1,412.2
 miRNA Concentration [pg/μl]: 706.1
 miRNA / Small RNA Ratio [%]: 50
 Result Flagging Color:
 Result Flagging Label: 50 % miRNA; Concentration: 706.10 pg/μl

Region table for sample 2 : HorseT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	287	85	93.1	1,412.2	100	
miRNA	10	40	23	40.5	706.1	50	



Overall Results for sample 3 : MouseT1X1

Small RNA Concentration [pg/μl]: 497.0
 miRNA Concentration [pg/μl]: 418.0
 miRNA / Small RNA Ratio [%]: 84
 Result Flagging Color:
 Result Flagging Label: 84 % miRNA; Concentration: 418 pg/μl

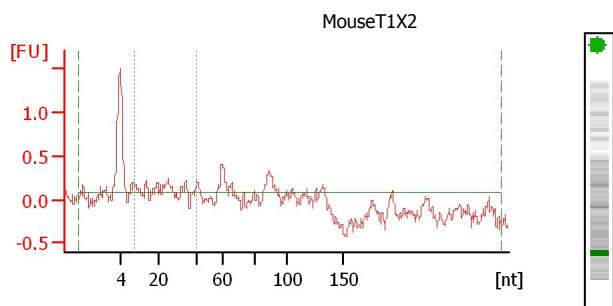
Region table for sample 3 : MouseT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	285	18	100.0	497.0	100	
miRNA	10	40	20	30.6	418.0	84	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
 Modified: 7/27/2010 4:36:49 PM

Electropherogram Summary Continued ...

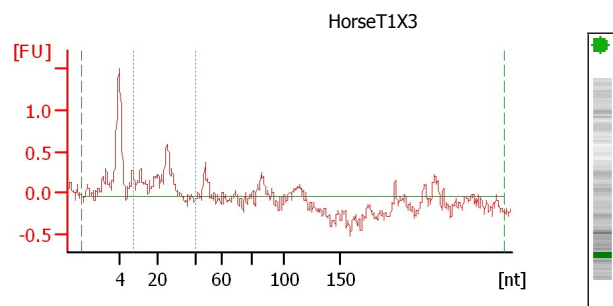


Overall Results for sample 4 : MouseT1X2

Small RNA Concentration [pg/μl]: 321.4
 miRNA Concentration [pg/μl]: 199.3
 miRNA / Small RNA Ratio [%]: 62
 Result Flagging Color: █
 Result Flagging Label: 62 % miRNA; Concentration: 199.30 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	291	27	100.0	321.4	100	█
miRNA	10	40	22	36.4	199.3	62	█

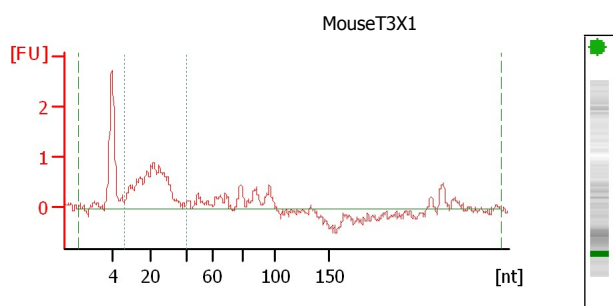


Overall Results for sample 5 : HorseT1X3

Small RNA Concentration [pg/μl]: 1,552.1
 miRNA Concentration [pg/μl]: 1,087.6
 miRNA / Small RNA Ratio [%]: 70
 Result Flagging Color: █
 Result Flagging Label: 70 % miRNA; Concentration: 1087.60 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	299	38	100.0	1,552.1	100	█
miRNA	10	40	21	29.0	1,087.6	70	█

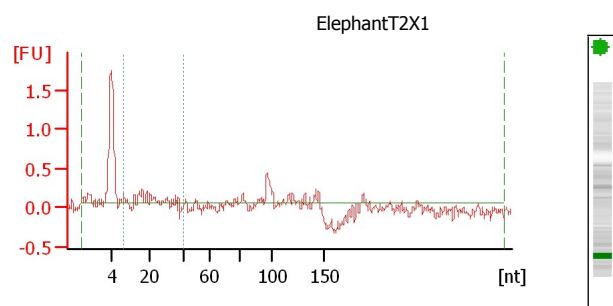


Overall Results for sample 6 : MouseT3X1

Small RNA Concentration [pg/μl]: 1,941.6
 miRNA Concentration [pg/μl]: 1,611.3
 miRNA / Small RNA Ratio [%]: 83
 Result Flagging Color: █
 Result Flagging Label: 83 % miRNA; Concentration: 1611.30 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	308	49	100.0	1,941.6	100	█
miRNA	10	40	22	30.4	1,611.3	83	█



Overall Results for sample 7 : ElephantT2X1

Small RNA Concentration [pg/μl]: 296.8
 miRNA Concentration [pg/μl]: 162.0
 miRNA / Small RNA Ratio [%]: 55
 Result Flagging Color: █
 Result Flagging Label: 55 % miRNA; Concentration: 162 pg/μl

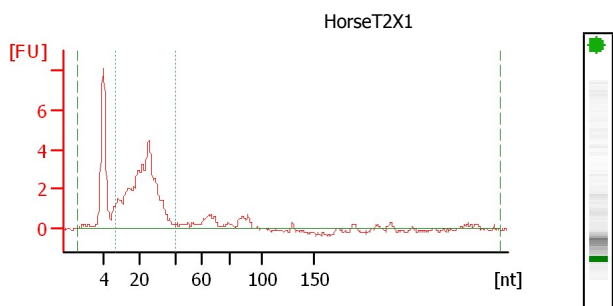
Region table for sample 7 : ElephantT2X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	317	34	100.0	296.8	100	█
miRNA	10	40	21	31.6	162.0	55	█

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
 Modified: 7/27/2010 4:36:49 PM

Electropherogram Summary Continued ...

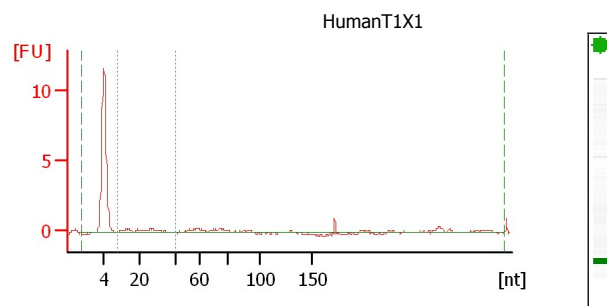


Overall Results for sample 8 : HorseT2X1

Small RNA Concentration [pg/μl]: 2,424.8
 miRNA Concentration [pg/μl]: 2,184.6
 miRNA / Small RNA Ratio [%]: 90
 Result Flagging Color: █
 Result Flagging Label: 90 % miRNA; Concentration: 2184.60 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	325	35	100.0	2,424.8	100	█
miRNA	10	40	22	30.5	2,184.6	90	█

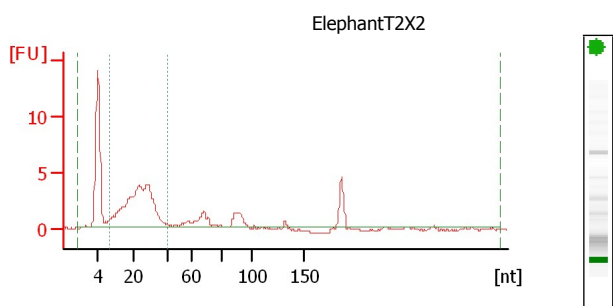


Overall Results for sample 9 : HumanT1X1

Small RNA Concentration [pg/μl]: 109.2
 miRNA Concentration [pg/μl]: 72.5
 miRNA / Small RNA Ratio [%]: 66
 Result Flagging Color: █
 Result Flagging Label: 66 % miRNA; Concentration: 72.50 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	334	36	100.0	109.2	100	█
miRNA	10	40	21	31.3	72.5	66	█

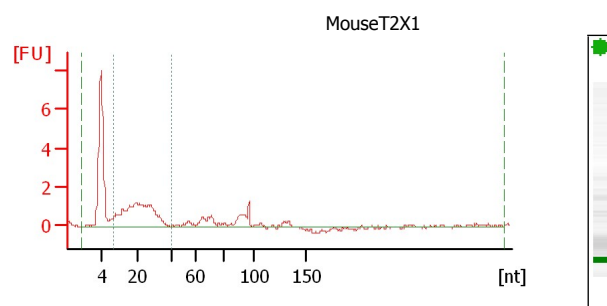


Overall Results for sample 10 : ElephantT2X2

Small RNA Concentration [pg/μl]: 1,548.9
 miRNA Concentration [pg/μl]: 1,372.0
 miRNA / Small RNA Ratio [%]: 89
 Result Flagging Color: █
 Result Flagging Label: 89 % miRNA; Concentration: 1372 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	340	41	100.0	1,548.9	100	█
miRNA	10	40	23	28.6	1,372.0	89	█



Overall Results for sample 11 : MouseT2X1

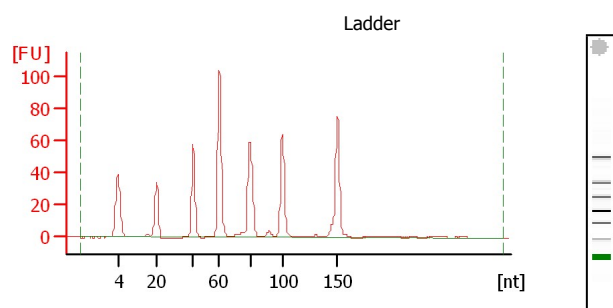
Small RNA Concentration [pg/μl]: 1,077.3
 miRNA Concentration [pg/μl]: 907.2
 miRNA / Small RNA Ratio [%]: 84
 Result Flagging Color: █
 Result Flagging Label: 84 % miRNA; Concentration: 907.20 pg/μl

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	342	41	100.0	1,077.3	100	█
miRNA	10	40	22	31.3	907.2	84	█

Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
Modified: 7/27/2010 4:36:49 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_15-48-27.xad

Created: 7/27/2010 3:48:27 PM
Modified: 7/27/2010 4:36:49 PM

Gel Image