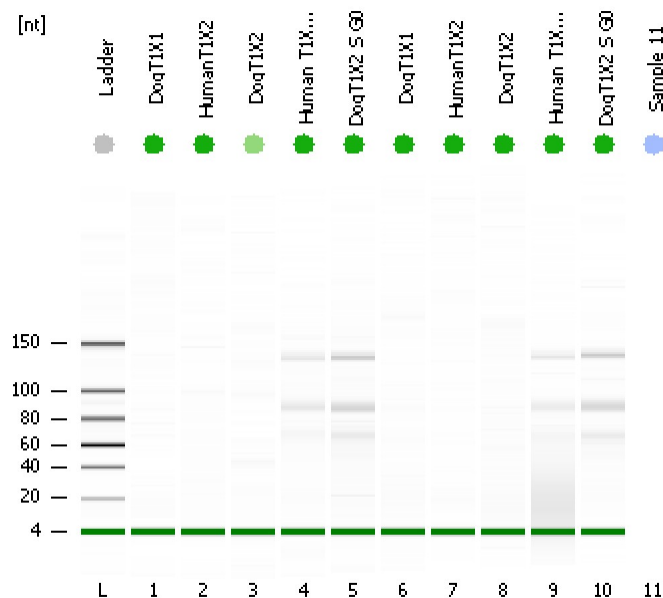


Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
Modified: 7/27/2010 2:27:48 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

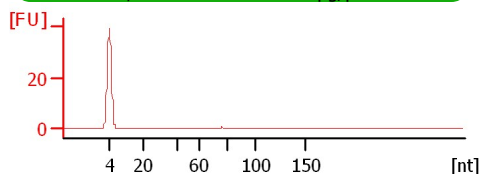
© Copyright 2007 - 2009 Agilent Technologies, Inc.

Chip Information:

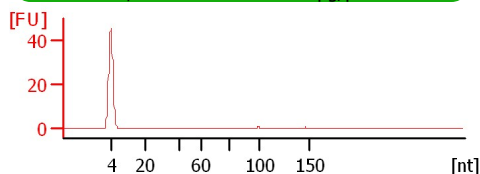
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

DogT1X1

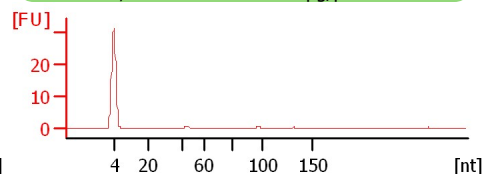
67 % miRNA; Concentration: 38.40 pg/μl

**HumanT1X2**

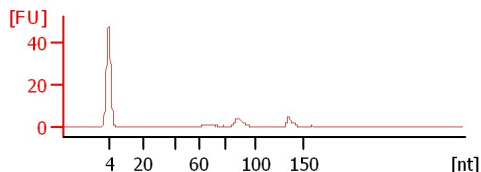
62 % miRNA; Concentration: 45.80 pg/μl

**DogT1X2**

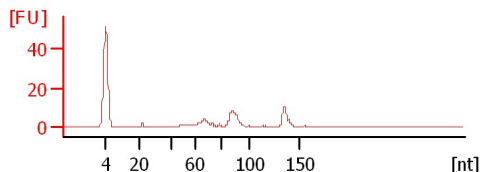
6 % miRNA; Concentration: 0.70 pg/μl

**Human T1X2 S G1**

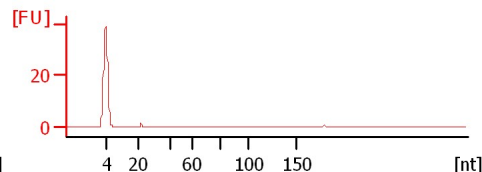
21 % miRNA; Concentration: 32.50 pg/μl

**DogT1X2 S G0**

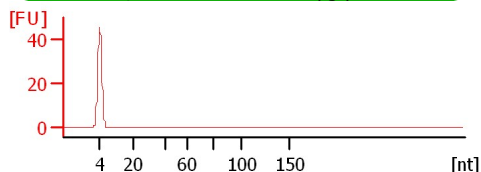
28 % miRNA; Concentration: 94.10 pg/μl

**DogT1X1**

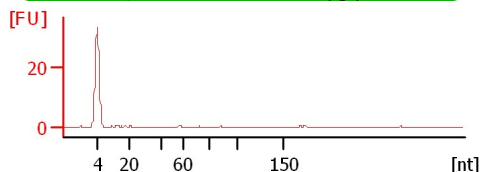
73 % miRNA; Concentration: 93 pg/μl

**HumanT1X2**

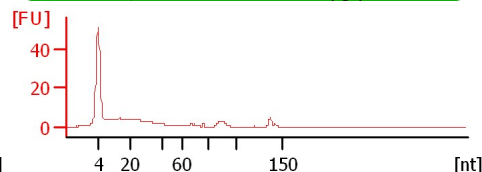
73 % miRNA; Concentration: 38.20 pg/μl

**DogT1X2**

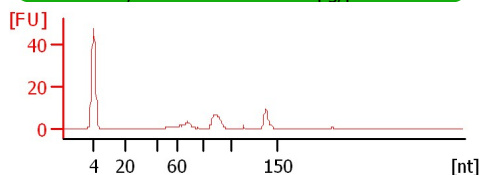
64 % miRNA; Concentration: 119.90 pg/μl

**Human T1X2 S G1**

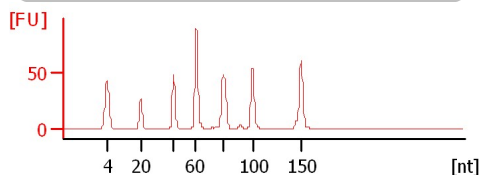
85 % miRNA; Concentration: 598.40 pg/μl

**DogT1X2 S G0**

23 % miRNA; Concentration: 71.90 pg/μl

**Ladder**

Number of Peaks: 6



Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
Modified: 7/27/2010 2:27:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DogT1X1		✓	67 % miRNA; Concentration: 38.40 pg/μl	
HumanT1X2		✓	62 % miRNA; Concentration: 45.80 pg/μl	
DogT1X2		✓	6 % miRNA; Concentration: 0.70 pg/μl	
Human T1X2 S G1		✓	21 % miRNA; Concentration: 32.50 pg/μl	
DogT1X2 S G0		✓	28 % miRNA; Concentration: 94.10 pg/μl	
DogT1X1		✓	73 % miRNA; Concentration: 93 pg/μl	
HumanT1X2		✓	73 % miRNA; Concentration: 38.20 pg/μl	
DogT1X2		✓	64 % miRNA; Concentration: 119.90 pg/μl	
Human T1X2 S G1		✓	85 % miRNA; Concentration: 598.40 pg/μl	
DogT1X2 S G0		✓	23 % miRNA; Concentration: 71.90 pg/μl	
Sample 11				

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

Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
Modified: 7/27/2010 2:27:48 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

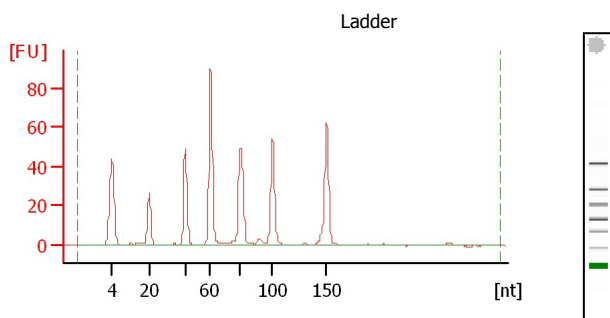
Ladder

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_13-57-37.xad

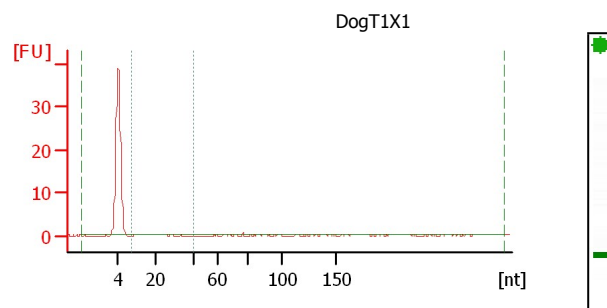
Created: 7/27/2010 1:57:37 PM
 Modified: 7/27/2010 2:27:48 PM

Electropherogram Summary



Overall Results for Ladder

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

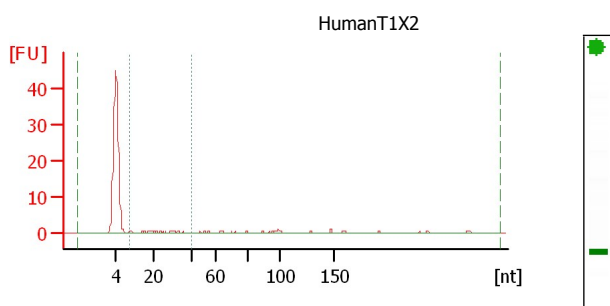


Overall Results for sample 1 : DogT1X1

Small RNA Concentration [pg/μl]: 57.0
 miRNA Concentration [pg/μl]: 38.4
 miRNA / Small RNA Ratio [%]: 67
 Result Flagging Color:
 Result Flagging Label: 67 % miRNA; Concentration: 38.40 pg/μl

Region table for sample 1 : DogT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	304	21	100.0	57.0	100	
miRNA	10	40	18	27.7	38.4	67	

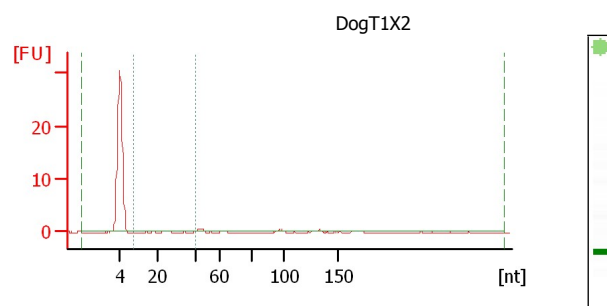


Overall Results for sample 2 : HumanT1X2

Small RNA Concentration [pg/μl]: 73.6
 miRNA Concentration [pg/μl]: 45.8
 miRNA / Small RNA Ratio [%]: 62
 Result Flagging Color:
 Result Flagging Label: 62 % miRNA; Concentration: 45.80 pg/μl

Region table for sample 2 : HumanT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	300	16	100.0	73.6	100	
miRNA	10	40	24	35.9	45.8	62	



Overall Results for sample 3 : DogT1X2

Small RNA Concentration [pg/μl]: 12.6
 miRNA Concentration [pg/μl]: 0.7
 miRNA / Small RNA Ratio [%]: 6
 Result Flagging Color:
 Result Flagging Label: 6 % miRNA; Concentration: 0.70 pg/μl

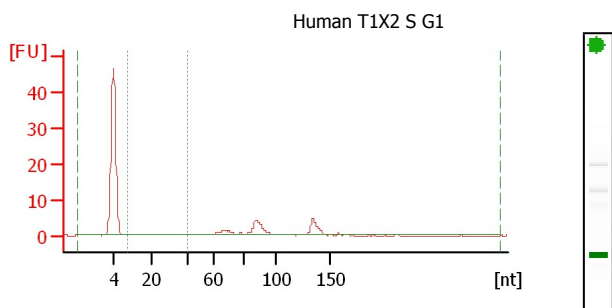
Region table for sample 3 : DogT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. in [pg/μl]	% of Total	Color
Small RNA	0	300	7	100.0	12.6	100	
miRNA	10	40	24	9.8	0.7	6	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
 Modified: 7/27/2010 2:27:48 PM

Electropherogram Summary Continued ...

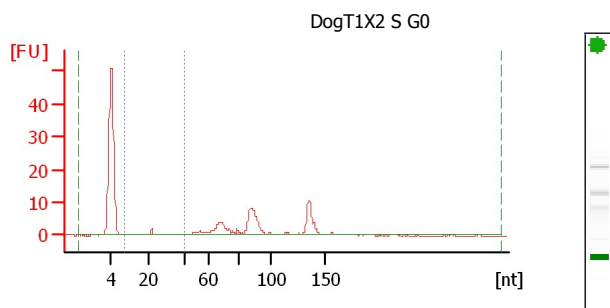


Overall Results for sample 4 : Human T1X2 S G1

Small RNA Concentration [pg/μl]: 152.3
 miRNA Concentration [pg/μl]: 32.5
 miRNA / Small RNA Ratio [%]: 21
 Result Flagging Color:
 Result Flagging Label: 21 % miRNA; Concentration: 32.50 pg/μl

Region table for sample 4 : Human T1X2 S G1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	305	33	100.0	152.3	100	
miRNA	10	40	23	32.4	32.5	21	

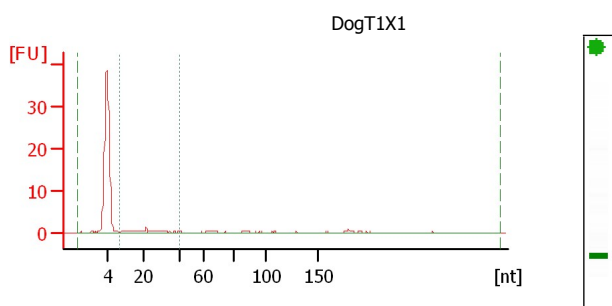


Overall Results for sample 5 : DogT1X2 S G0

Small RNA Concentration [pg/μl]: 332.2
 miRNA Concentration [pg/μl]: 94.1
 miRNA / Small RNA Ratio [%]: 28
 Result Flagging Color:
 Result Flagging Label: 28 % miRNA; Concentration: 94.10 pg/μl

Region table for sample 5 : DogT1X2 S G0

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	313	49	100.0	332.2	100	
miRNA	10	40	24	33.7	94.1	28	

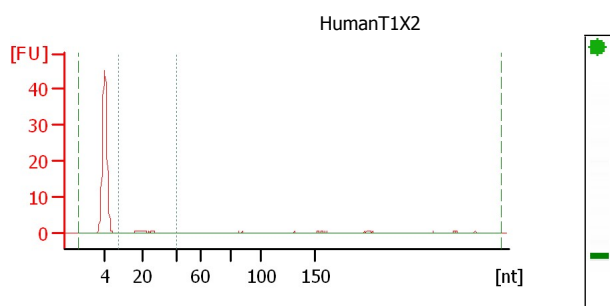


Overall Results for sample 6 : DogT1X1

Small RNA Concentration [pg/μl]: 127.8
 miRNA Concentration [pg/μl]: 93.0
 miRNA / Small RNA Ratio [%]: 73
 Result Flagging Color:
 Result Flagging Label: 73 % miRNA; Concentration: 93 pg/μl

Region table for sample 6 : DogT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	321	16	100.0	127.8	100	
miRNA	10	40	23	33.4	93.0	73	



Overall Results for sample 7 : HumanT1X2

Small RNA Concentration [pg/μl]: 52.0
 miRNA Concentration [pg/μl]: 38.2
 miRNA / Small RNA Ratio [%]: 73
 Result Flagging Color:
 Result Flagging Label: 73 % miRNA; Concentration: 38.20 pg/μl

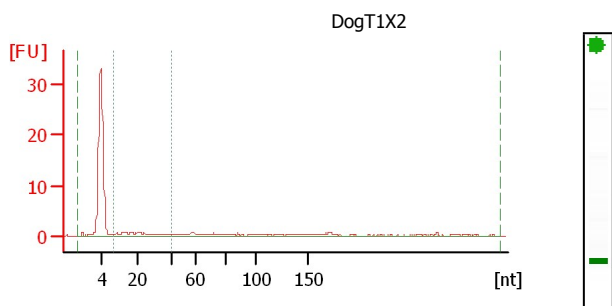
Region table for sample 7 : HumanT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	328	14	100.0	52.0	100	
miRNA	10	40	22	25.4	38.2	73	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
 Modified: 7/27/2010 2:27:48 PM

Electropherogram Summary Continued ...

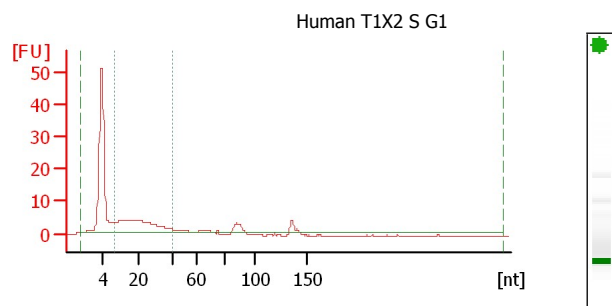


Overall Results for sample 8 : DogT1X2

Small RNA Concentration [pg/μl]: 188.0
 miRNA Concentration [pg/μl]: 119.9
 miRNA / Small RNA Ratio [%]: 64
 Result Flagging Color:
 Result Flagging Label: 64 % miRNA; Concentration: 119.90 pg/μl

Region table for sample 8 : DogT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	335	31	100.0	188.0	100	
miRNA	10	40	21	38.0	119.9	64	

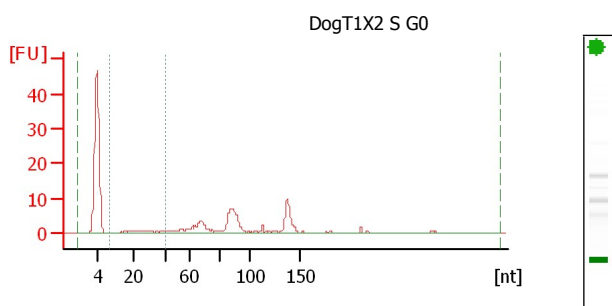


Overall Results for sample 9 : Human T1X2 S G1

Small RNA Concentration [pg/μl]: 705.9
 miRNA Concentration [pg/μl]: 598.4
 miRNA / Small RNA Ratio [%]: 85
 Result Flagging Color:
 Result Flagging Label: 85 % miRNA; Concentration: 598.40 pg/μl

Region table for sample 9 : Human T1X2 S G1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	340	21	100.0	705.9	100	
miRNA	10	40	21	37.3	598.4	85	

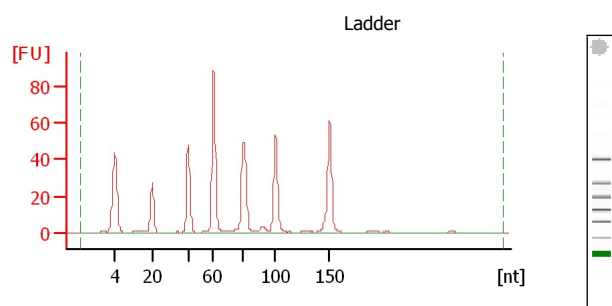


Overall Results for sample 10 : DogT1X2 S G0

Small RNA Concentration [pg/μl]: 312.3
 miRNA Concentration [pg/μl]: 71.9
 miRNA / Small RNA Ratio [%]: 23
 Result Flagging Color:
 Result Flagging Label: 23 % miRNA; Concentration: 71.90 pg/μl

Region table for sample 10 : DogT1X2 S G0

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	345	53	100.0	312.3	100	
miRNA	10	40	25	33.0	71.9	23	



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_13-57-37.xad

Created: 7/27/2010 1:57:37 PM
Modified: 7/27/2010 2:27:48 PM

Gel Image