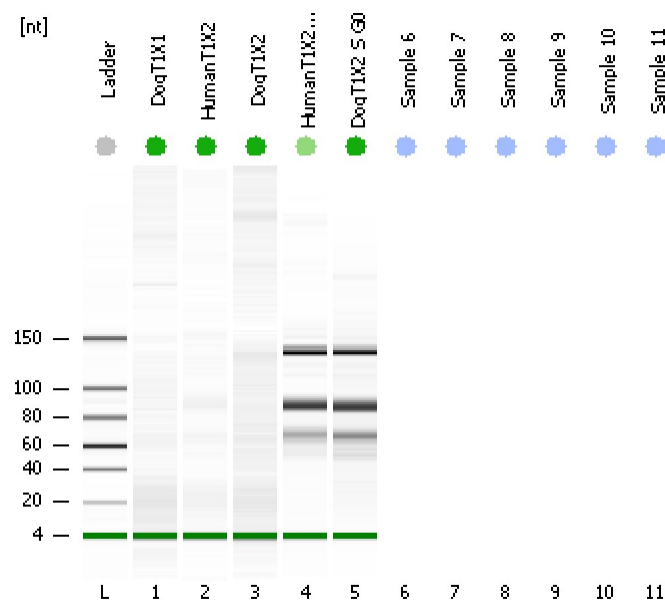


Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_16-59-44.xad

Created: 7/27/2010 4:59:44 PM
Modified: 7/27/2010 5:20:18 PM

Electrophoresis File Run SummaryInstrument Information:

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

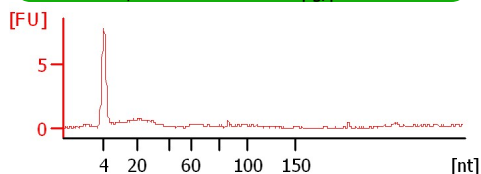
Chip Lot #:

Reagent Kit Lot #:

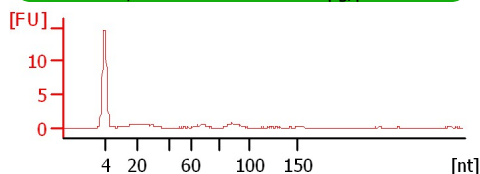
Chip Comments:

DogT1X1

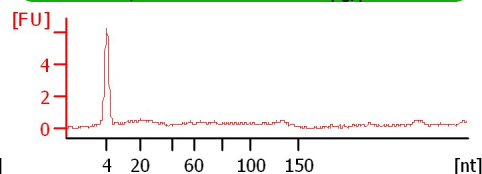
80 % miRNA; Concentration: 568 pg/μl

**HumanT1X2**

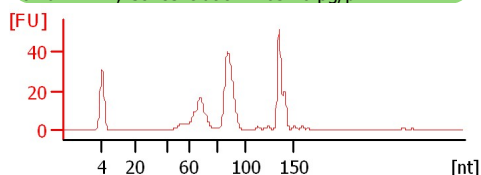
74 % miRNA; Concentration: 315.60 pg/μl

**DogT1X2**

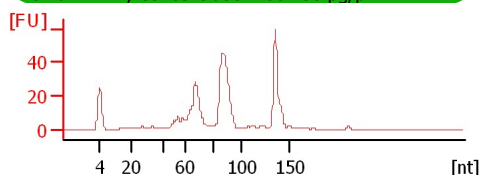
58 % miRNA; Concentration: 554.30 pg/μl

**HumanT1X2 S G1**

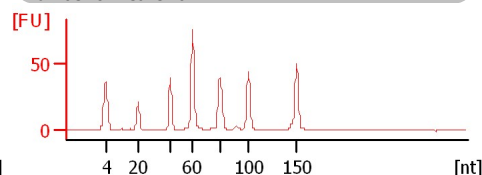
6 % miRNA; Concentration: 103.10 pg/μl

**DogT1X2 S G0**

18 % miRNA; Concentration: 581.50 pg/μl

**Ladder**

Number of Peaks: 6



Assay Class: Small RNA
Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_16-59-44.xad

Created: 7/27/2010 4:59:44 PM
Modified: 7/27/2010 5:20:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DogT1X1		✓	80 % miRNA; Concentration: 568 pg/μl	
HumanT1X2		✓	74 % miRNA; Concentration: 315.60 pg/μl	
DogT1X2		✓	58 % miRNA; Concentration: 554.30 pg/μl	
HumanT1X2 S G1		✓	6 % miRNA; Concentration: 103.10 pg/μl	
DogT1X2 S G0		✓	18 % miRNA; Concentration: 581.50 pg/μl	
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
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_16-59-44.xad

Created: 7/27/2010 4:59:44 PM
Modified: 7/27/2010 5:20:18 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

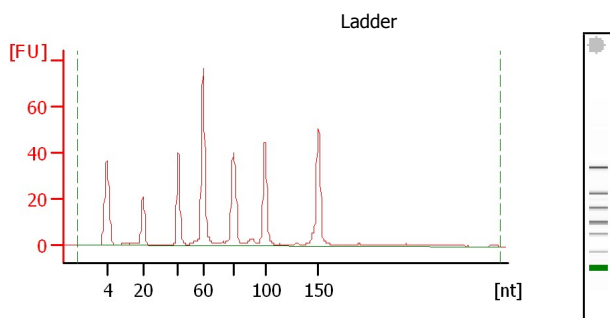
Ladder

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_16-59-44.xad

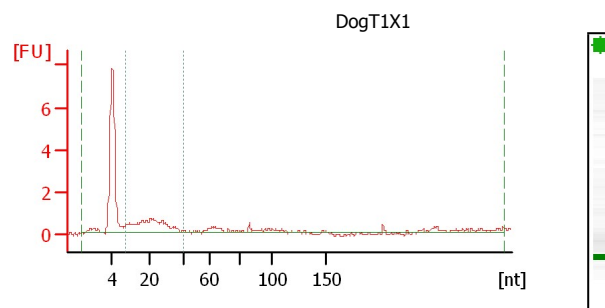
Created: 7/27/2010 4:59:44 PM
 Modified: 7/27/2010 5:20:18 PM

Electropherogram Summary



Overall Results for Ladder

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

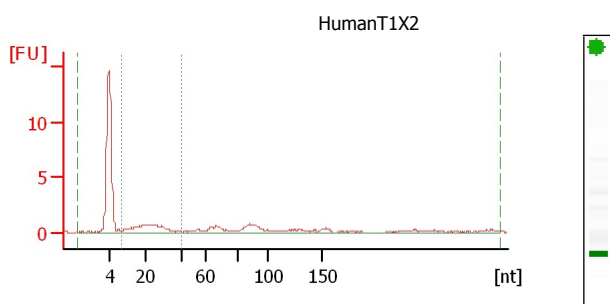


Overall Results for sample 1 : DogT1X1

Small RNA Concentration [pg/μl]: 709.5
 miRNA Concentration [pg/μl]: 568.0
 miRNA / Small RNA Ratio [%]: 80
 Result Flagging Color:
 Result Flagging Label: 80 % miRNA; Concentration: 568 pg/μl

Region table for sample 1 : DogT1X1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	316	50	100.0	709.5	100	
miRNA	10	40	21	33.3	568.0	80	

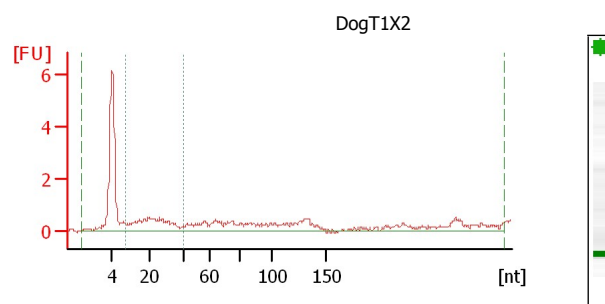


Overall Results for sample 2 : HumanT1X2

Small RNA Concentration [pg/μl]: 427.8
 miRNA Concentration [pg/μl]: 315.6
 miRNA / Small RNA Ratio [%]: 74
 Result Flagging Color:
 Result Flagging Label: 74 % miRNA; Concentration: 315.60 pg/μl

Region table for sample 2 : HumanT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	315	39	100.0	427.8	100	
miRNA	10	40	22	29.0	315.6	74	



Overall Results for sample 3 : DogT1X2

Small RNA Concentration [pg/μl]: 958.8
 miRNA Concentration [pg/μl]: 554.3
 miRNA / Small RNA Ratio [%]: 58
 Result Flagging Color:
 Result Flagging Label: 58 % miRNA; Concentration: 554.30 pg/μl

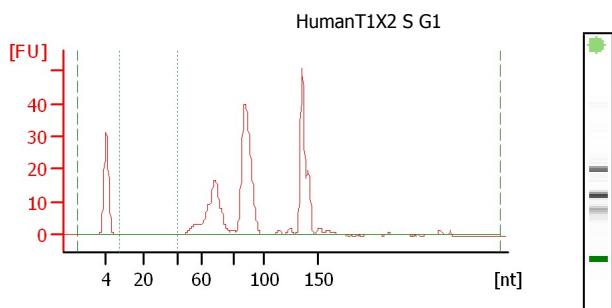
Region table for sample 3 : DogT1X2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	316	85	100.0	958.8	100	
miRNA	10	40	23	33.8	554.3	58	

Assay Class: Small RNA
 Data Path: D:\...27\2100 expert_Small RNA_DE24802235_2010-07-27_16-59-44.xad

Created: 7/27/2010 4:59:44 PM
 Modified: 7/27/2010 5:20:18 PM

Electropherogram Summary Continued ...

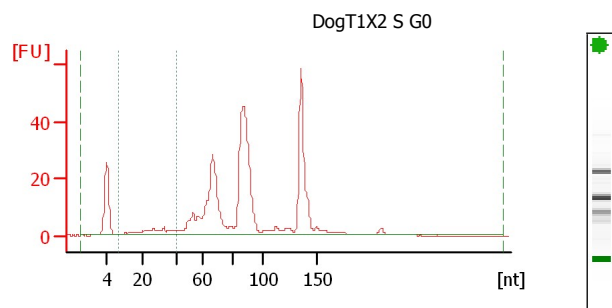


Overall Results for sample 4 : HumanT1X2 S G1

Small RNA Concentration [pg/μl]: 1,692.0
 miRNA Concentration [pg/μl]: 103.1
 miRNA / Small RNA Ratio [%]: 6
 Result Flagging Color:
 Result Flagging Label: 6 % miRNA; Concentration: 103.10 pg/μl

Region table for sample 4 : HumanT1X2 S G1

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in [pg/μl]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	321	88	53.5	1,692.0	100	
miRNA	10	40	26	34.9	103.1	6	

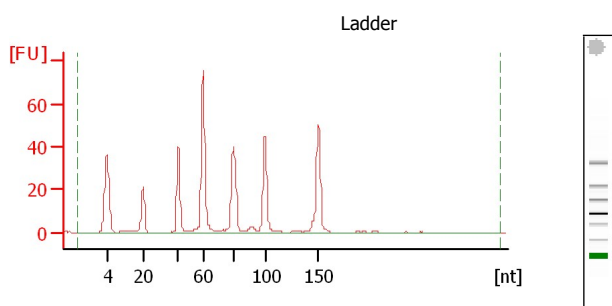


Overall Results for sample 5 : DogT1X2 S G0

Small RNA Concentration [pg/μl]: 3,194.3
 miRNA Concentration [pg/μl]: 581.5
 miRNA / Small RNA Ratio [%]: 18
 Result Flagging Color:
 Result Flagging Label: 18 % miRNA; Concentration: 581.50 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	327	88	49.9	3,194.3	100	
miRNA	10	40	26	31.1	581.5	18	



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_16-59-44.xad

Created: 7/27/2010 4:59:44 PM
Modified: 7/27/2010 5:20:18 PM

Gel Image