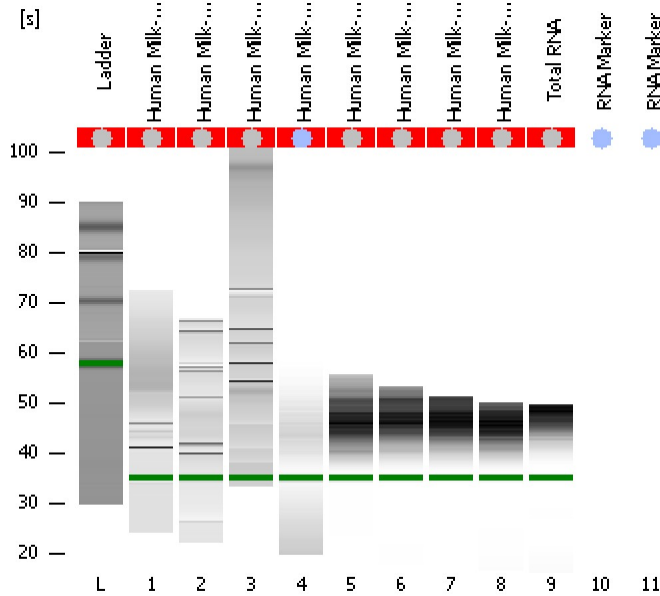


Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

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

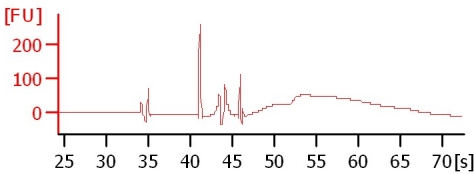
Assay Class: Small RNA
Version: 1.2
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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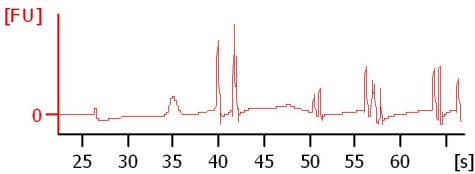
Chip Information:

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

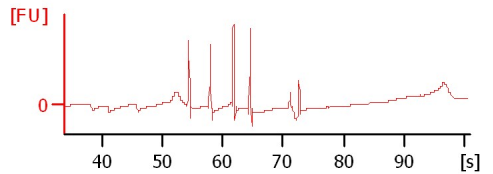
Human Milk-1 with RNase inhibitor
Number of Peaks: 9



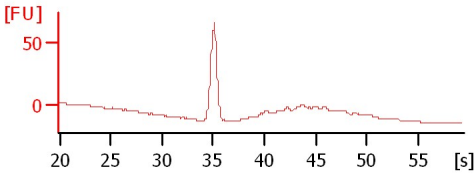
Human Milk-2 with RNase inhibitor
Number of Peaks: 14



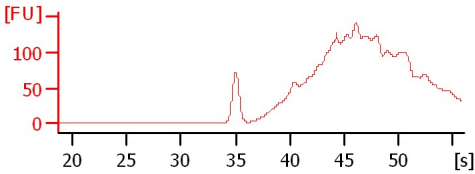
Human Milk-3 with RNase inhibitor
Number of Peaks: 17



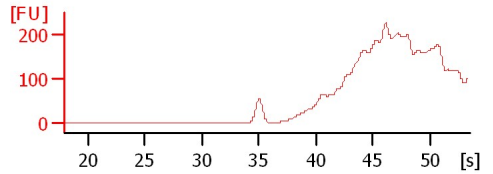
Human Milk-4 with RNase inhibitor
All Other Samples



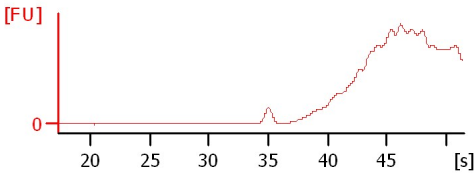
Human Milk-1 without RNase inhibitor
Number of Peaks: 15



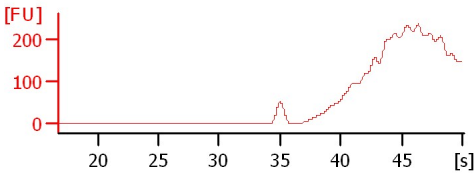
Human Milk-2 without RNase inhibitor
Number of Peaks: 13



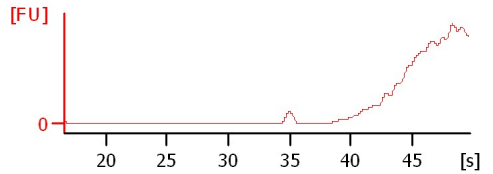
Human Milk-3 without RNase inhibitor
Number of Peaks: 12



Human Milk-4 without RNase
Number of Peaks: 9



Total RNA
Number of Peaks: 9



Assay Class: Small RNA
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
 Modified: 4/4/2012 2:40:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Human Milk-1 with RNase inhibitor		✓	Number of Peaks: 9	Grey
Human Milk-2 with RNase inhibitor		✓	Number of Peaks: 14	Grey
Human Milk-3 with RNase inhibitor		✓	Number of Peaks: 17	Grey
Human Milk-4 with RNase inhibitor		✓	All Other Samples	Blue
Human Milk-1 without RNase inhibitor		✓	Number of Peaks: 15	Grey
Human Milk-2 without RNase inhibitor		✓	Number of Peaks: 13	Grey
Human Milk-3 without RNase inhibitor		✓	Number of Peaks: 12	Grey
Human Milk-4 without RNase inhibitor		✓	Number of Peaks: 9	Grey
Total RNA		✓	Number of Peaks: 9	Grey
RNA Marker				Blue
RNA Marker				Blue
Ladder		✓	Number of Peaks: 2	Grey

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 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

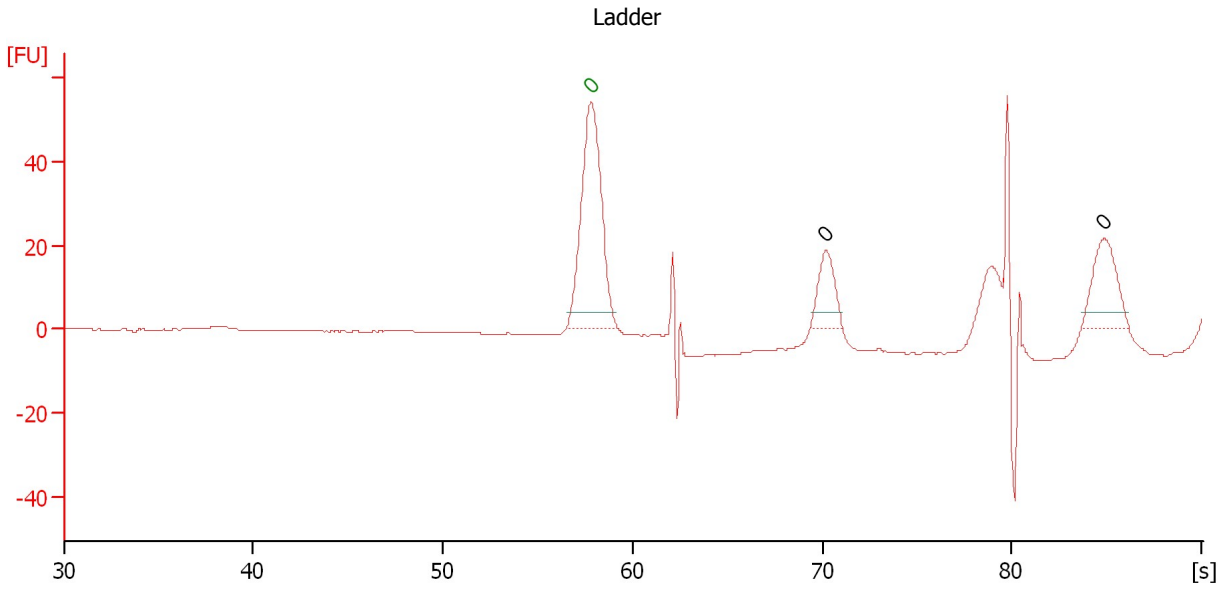
Ladder

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

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

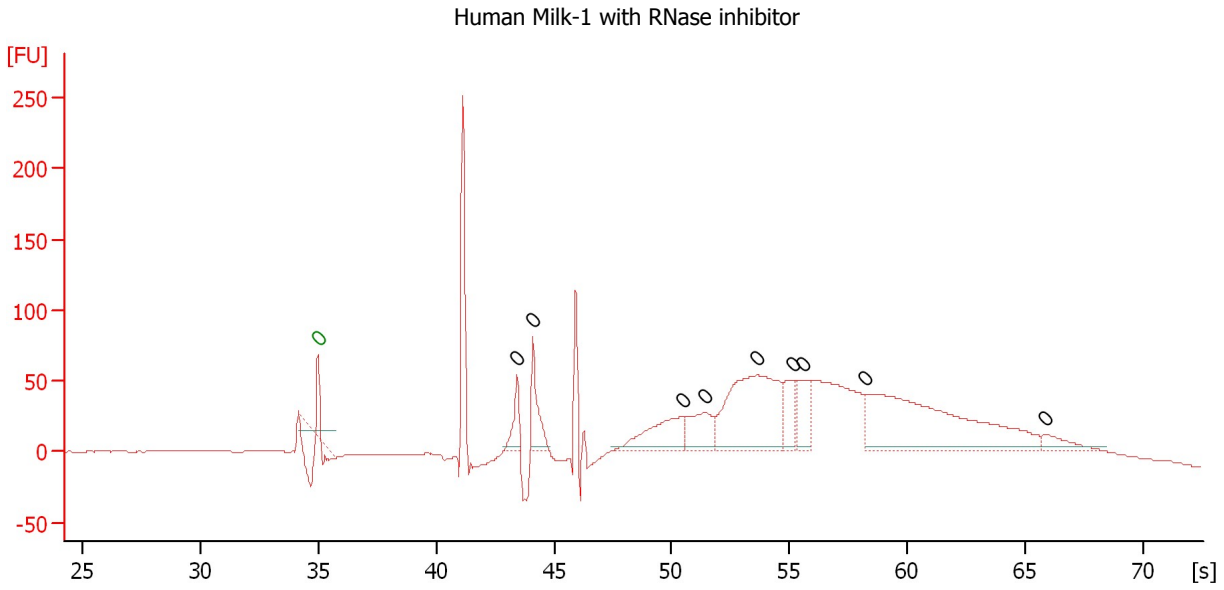
Result Flagging Label:

Number of Peaks: 2

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...



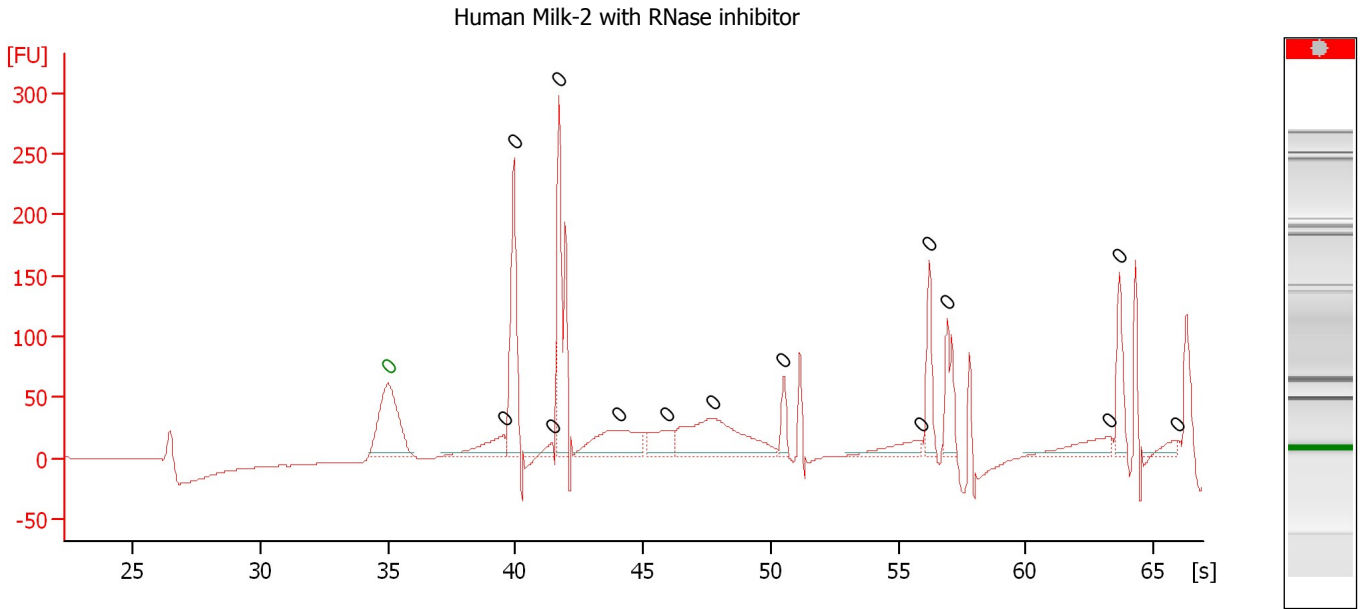
Overall Results for sample 1 : Human Milk-1 with RNase inhibitor

Result Flagging Color: Result Flagging Label: Number of Peaks: 9

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...



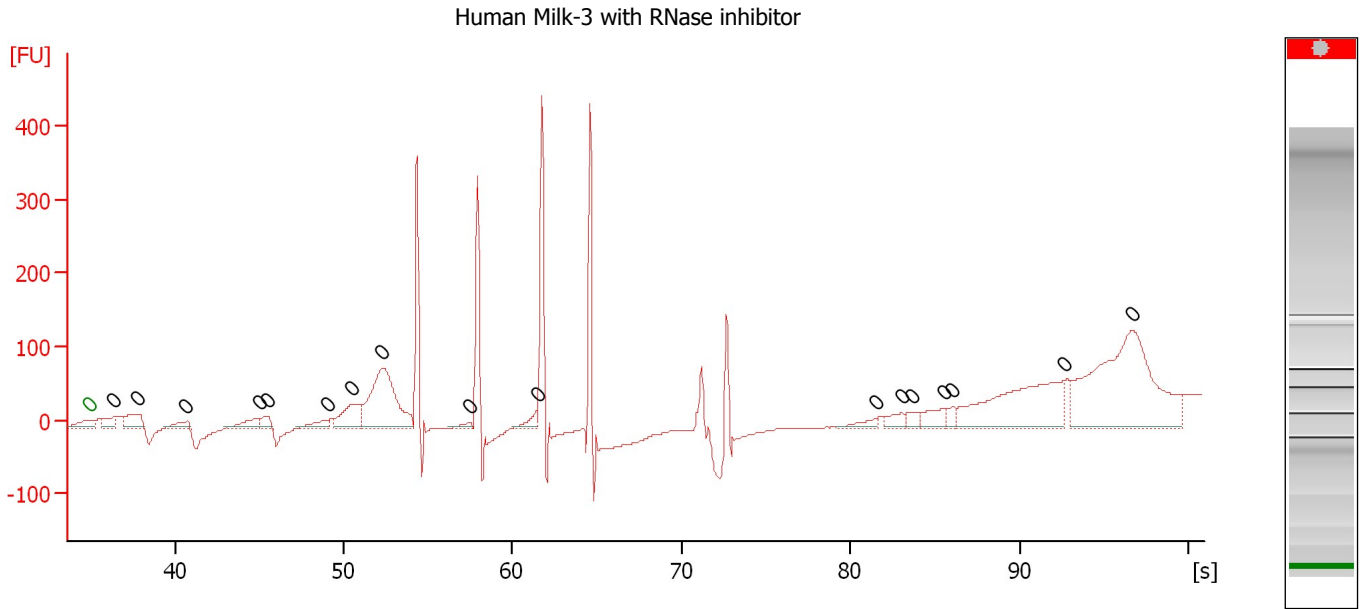
Overall Results for sample 2 : Human Milk-2 with RNase inhibitor

Result Flagging Color: Result Flagging Label: Number of Peaks: 14

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Human Milk-3 with RNase inhibitor

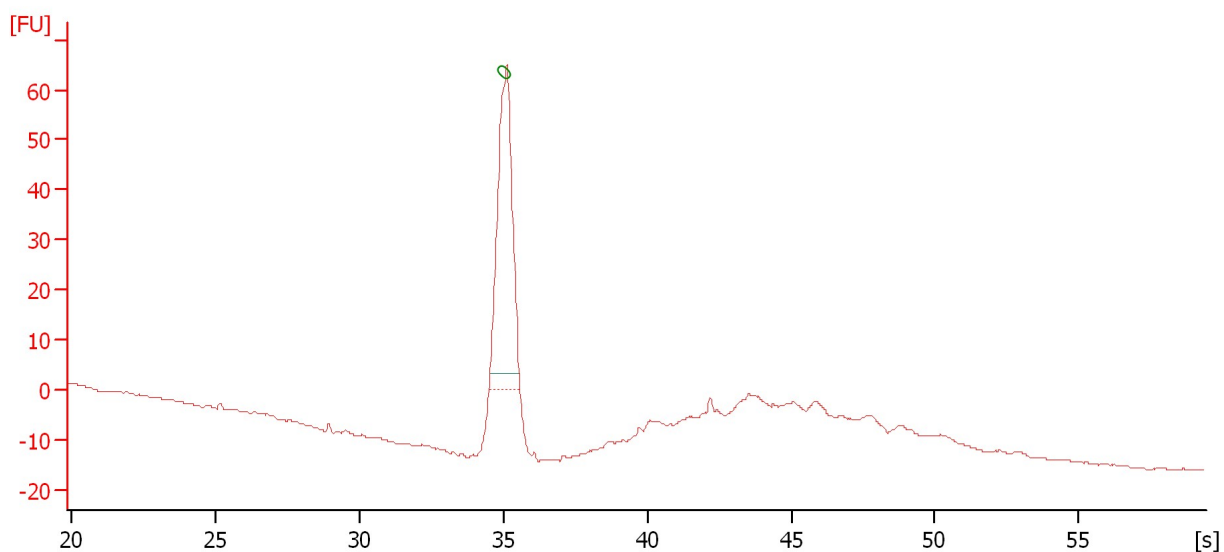
Result Flagging Color: Result Flagging Label: Number of Peaks: 17

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...

Human Milk-4 with RNase inhibitor



Overall Results for sample 4 : Human Milk-4 with RNase inhibitor

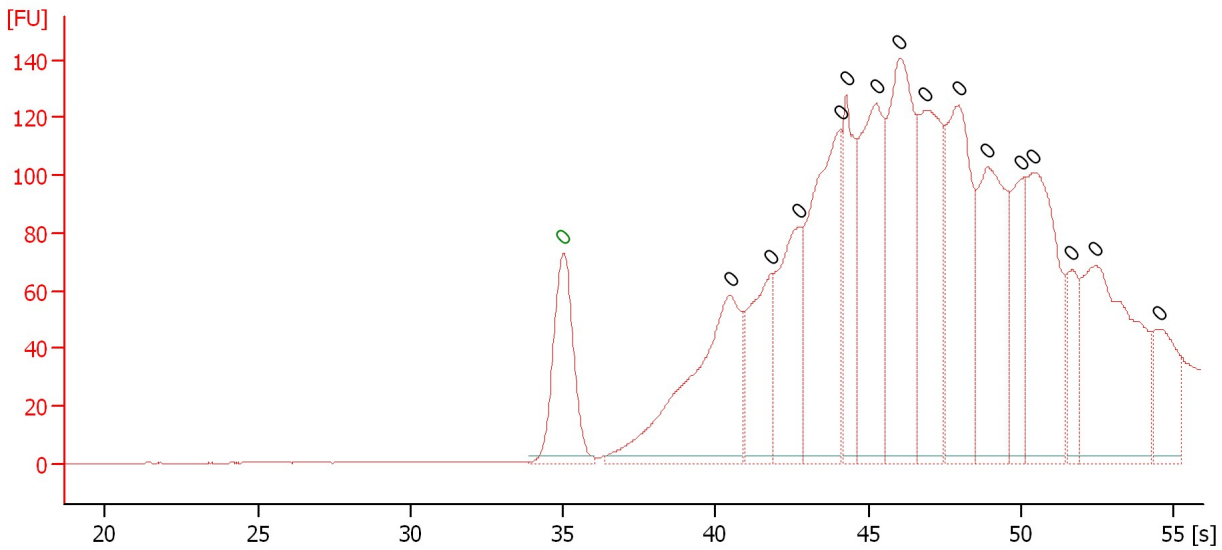
Result Flagging Color: Result Flagging Label: All Other Samples

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...

Human Milk-1 without RNase inhibitor



Overall Results for sample 5 : Human Milk-1 without RNase inhibitor

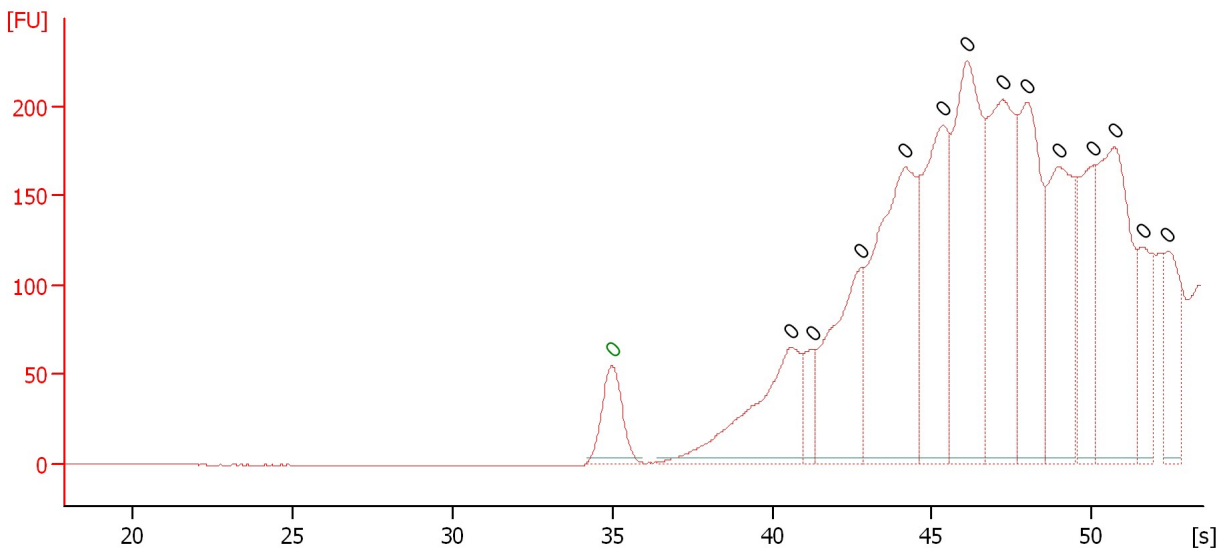
Result Flagging Color: Result Flagging Label: Number of Peaks: 15

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...

Human Milk-2 without RNase inhibitor



Overall Results for sample 6 : Human Milk-2 without RNase inhibitor

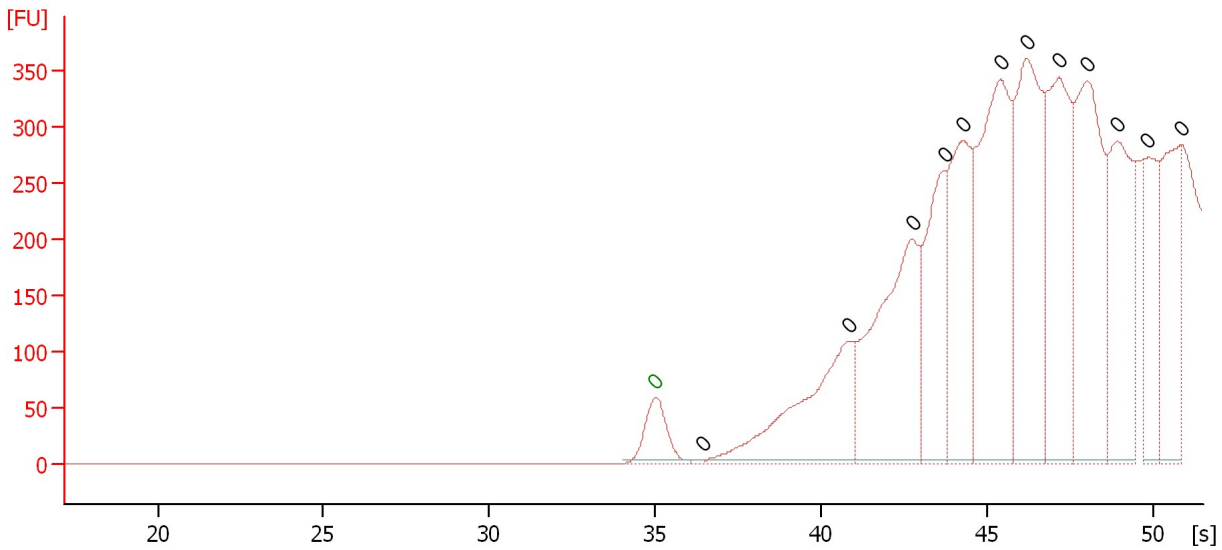
Result Flagging Color: Result Flagging Label: Number of Peaks: 13

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...

Human Milk-3 without RNase inhibitor



Overall Results for sample 7 : Human Milk-3 without RNase inhibitor

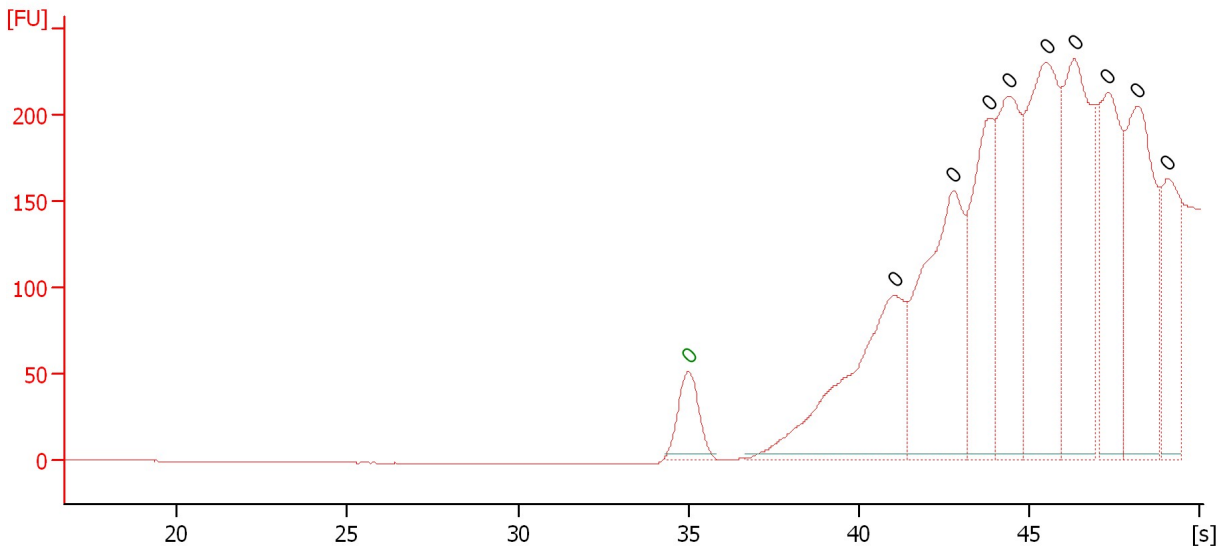
Result Flagging Color: Result Flagging Label: Number of Peaks: 12

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...

Human Milk-4 without RNase



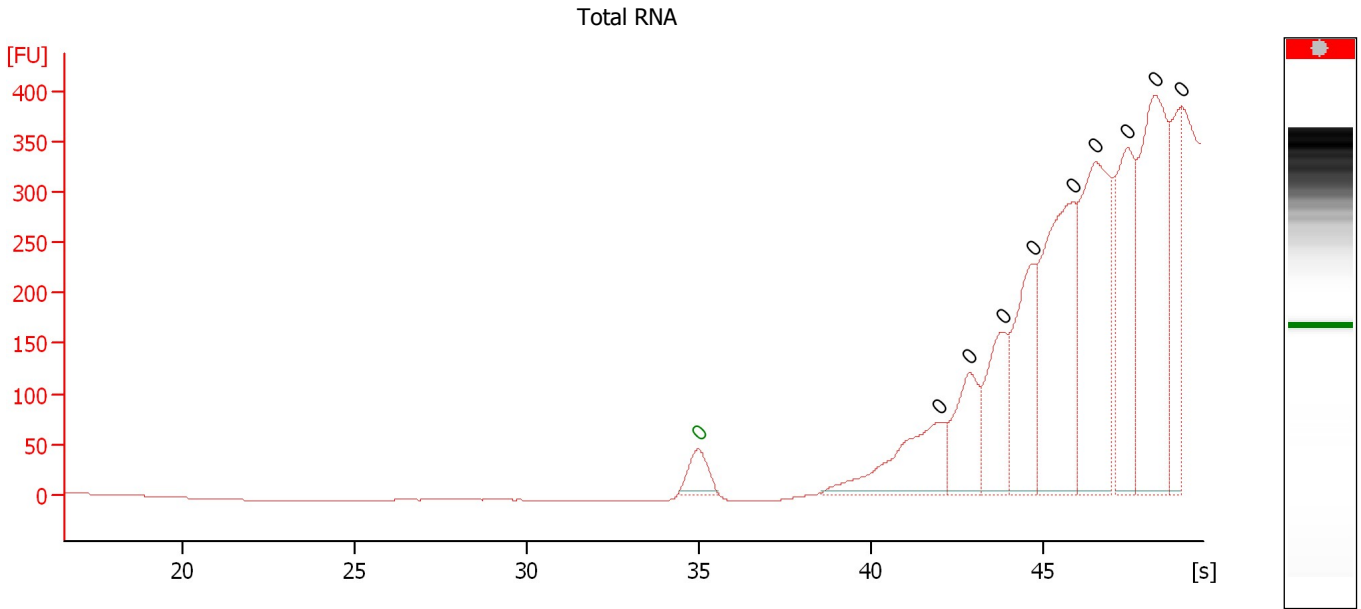
Overall Results for sample 8 : Human Milk-4 without RNase

Result Flagging Color: Result Flagging Label: Number of Peaks: 9

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Total RNA

Result Flagging Color:

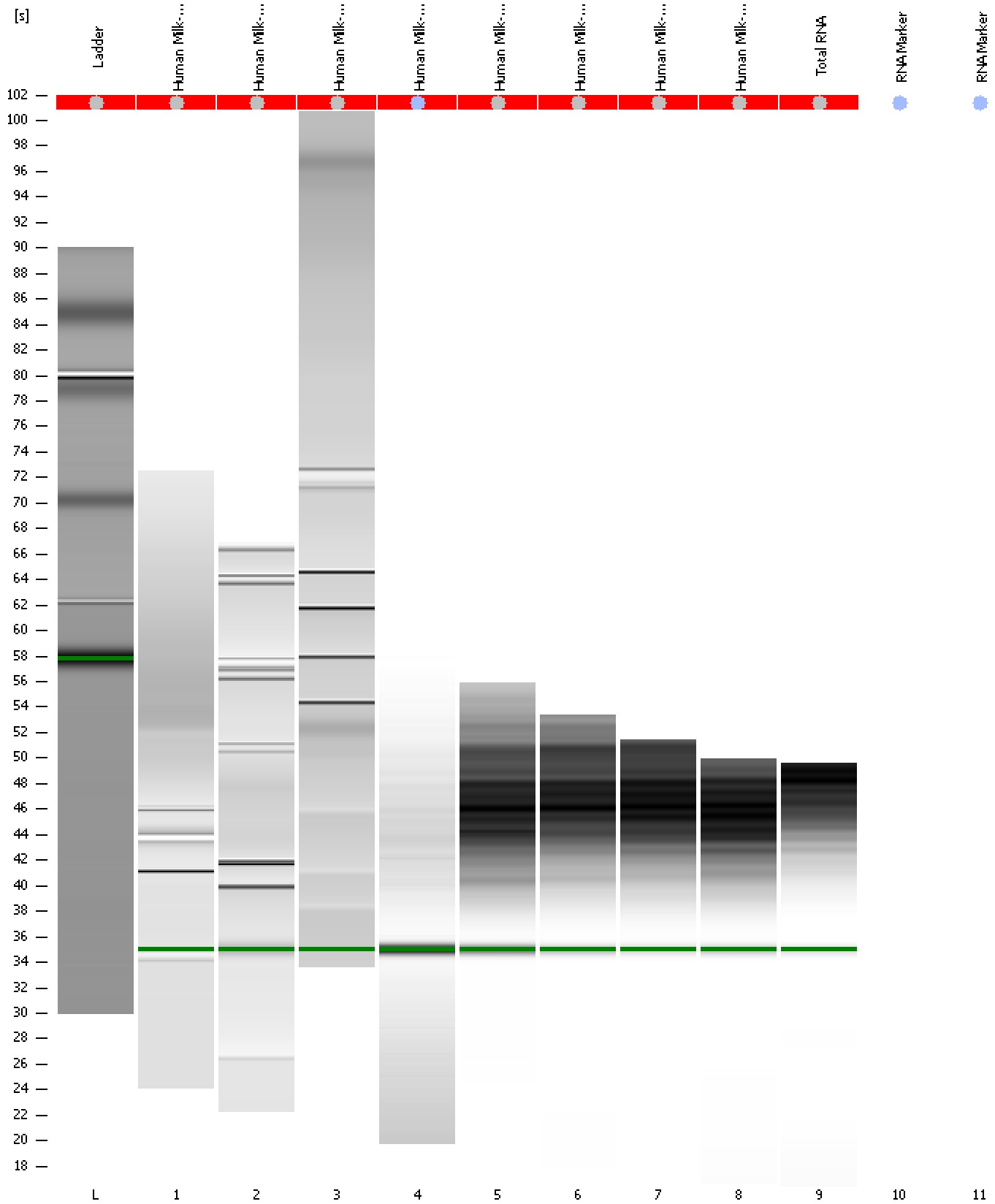
Result Flagging Label:

Number of Peaks: 9

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Gel Image



Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
Modified: 4/4/2012 2:40:45 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Small RNA
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad

Created: 4/4/2012 2:04:22 PM
 Modified: 4/4/2012 2:40:45 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		4/4/2012 2:32:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-04\2012-04-04_004.xad)		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/4/2012 2:04:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1