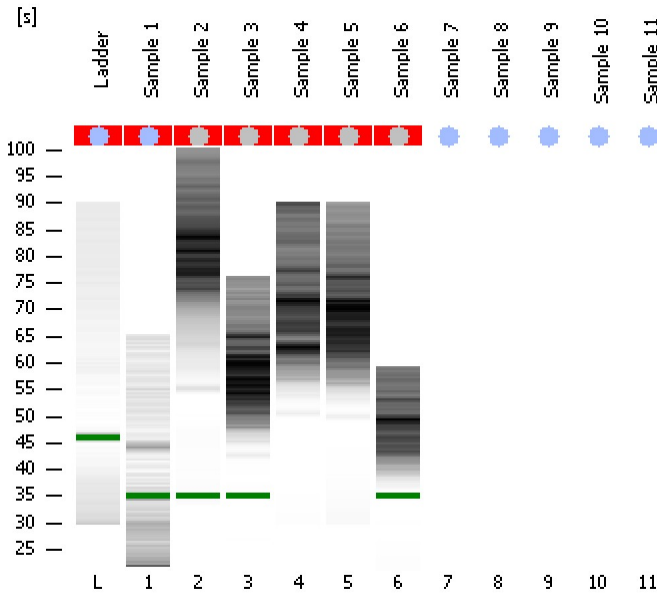


Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

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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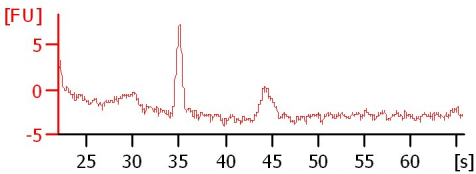
Chip Information:

Chip Lot #:

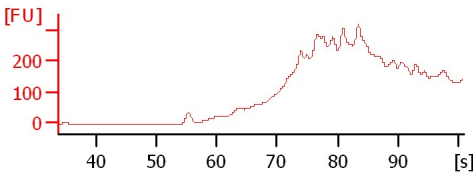
Reagent Kit Lot #:

Chip Comments:

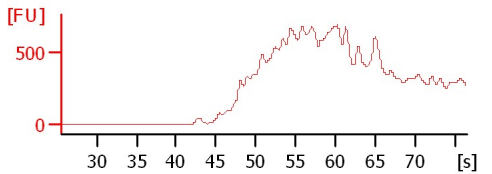
Sample 1
All Other Samples



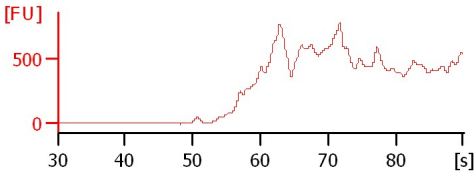
Sample 2
Number of Peaks: 20



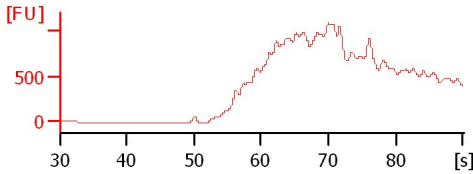
Sample 3
Number of Peaks: 27



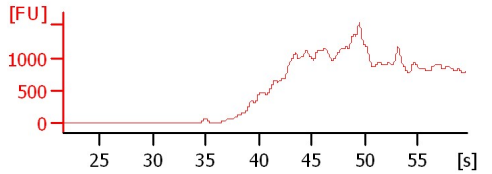
Sample 4
Number of Peaks: 22



Sample 5
Number of Peaks: 29



Sample 6
Number of Peaks: 21



Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	All Other Samples	Blue
Sample 2		✓	Number of Peaks: 20	Grey
Sample 3		✓	Number of Peaks: 27	Grey
Sample 4		✓	Number of Peaks: 22	Grey
Sample 5		✓	Number of Peaks: 29	Grey
Sample 6		✗	Number of Peaks: 21	Grey
Sample 7		✗		Blue
Sample 8		✗		Blue
Sample 9		✗		Blue
Sample 10		✗		Blue
Sample 11		✗		Blue
Ladder		✓	All Other Samples	Blue

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

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

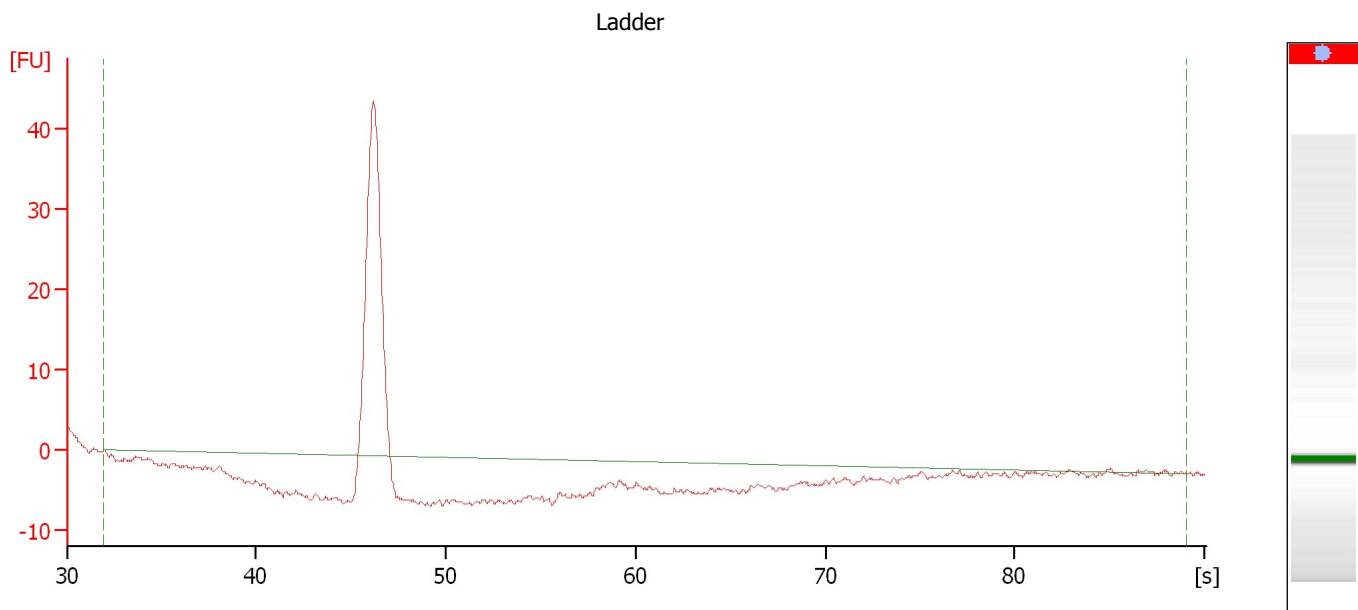
Ladder

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\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

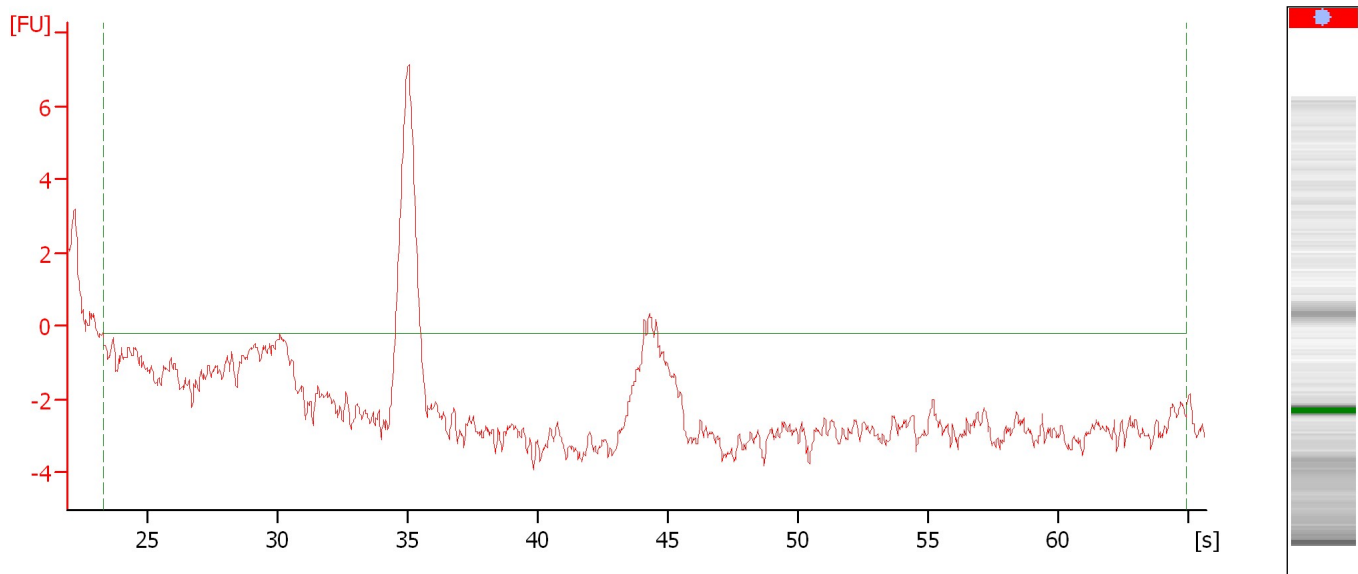
Result Flagging Label: All Other Samples

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...

Sample 1



Overall Results for sample 1 : Sample 1

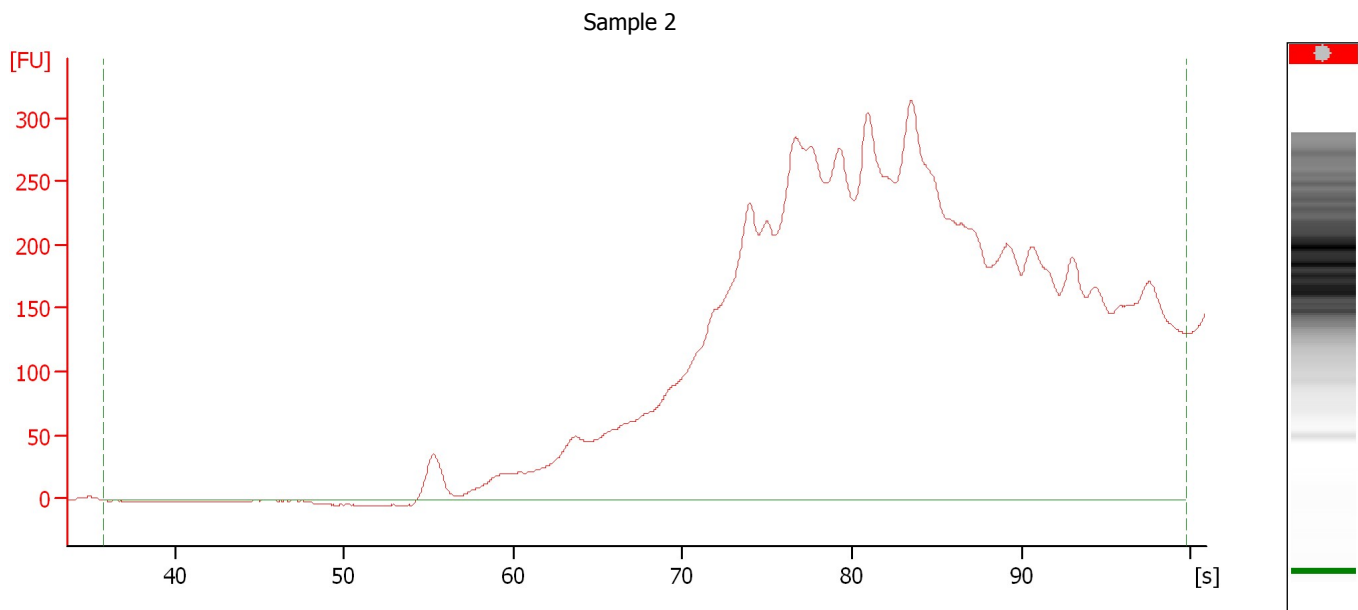
Result Flagging Color:

Result Flagging Label: All Other Samples

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...



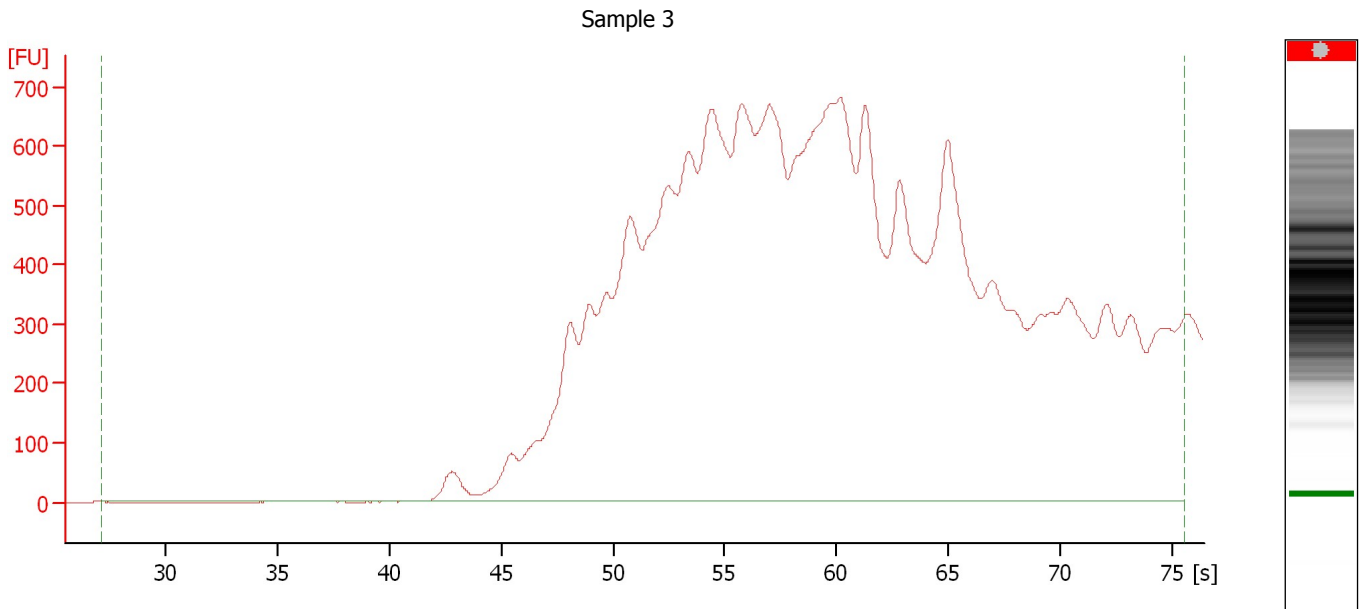
Overall Results for sample 2 : Sample 2

Result Flagging Color: Result Flagging Label: Number of Peaks: 20

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

Result Flagging Color:

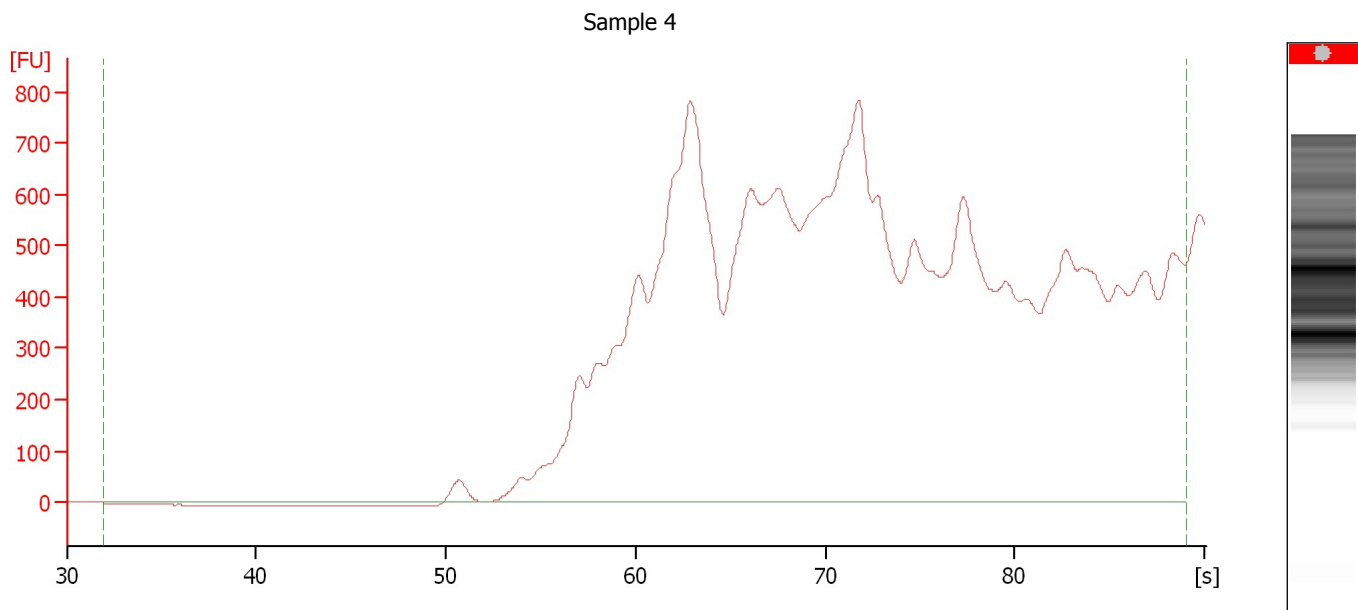
Result Flagging Label:

Number of Peaks: 27

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

Result Flagging Color:



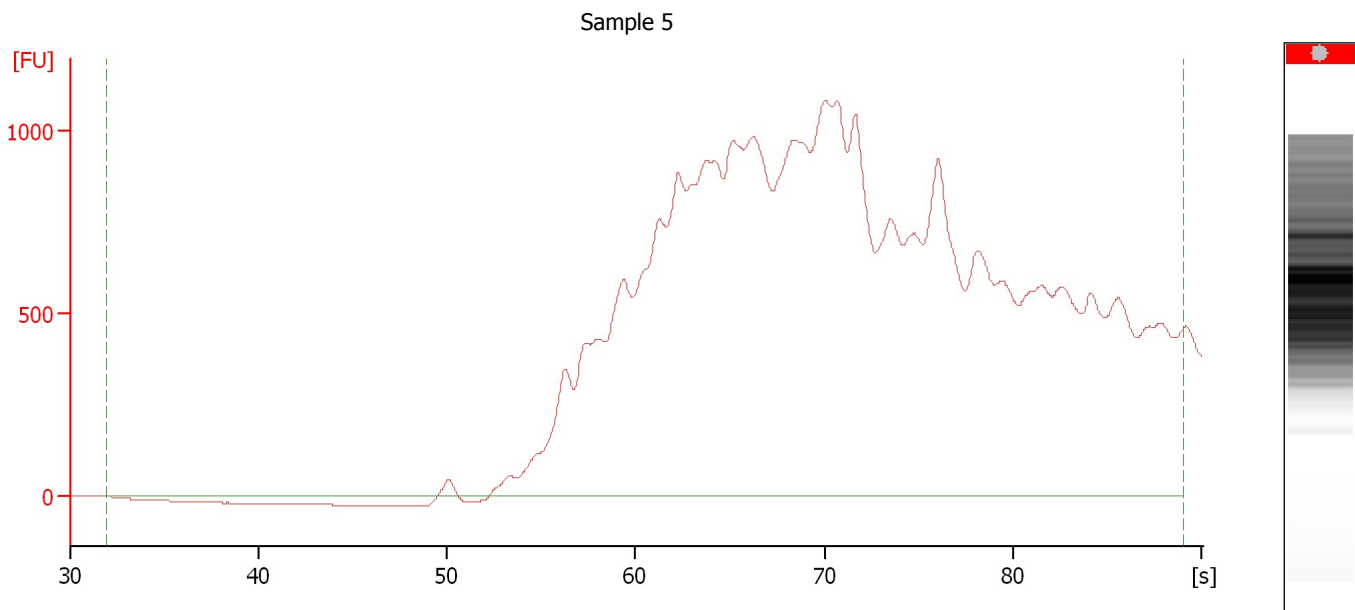
Result Flagging Label:

Number of Peaks: 22

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...



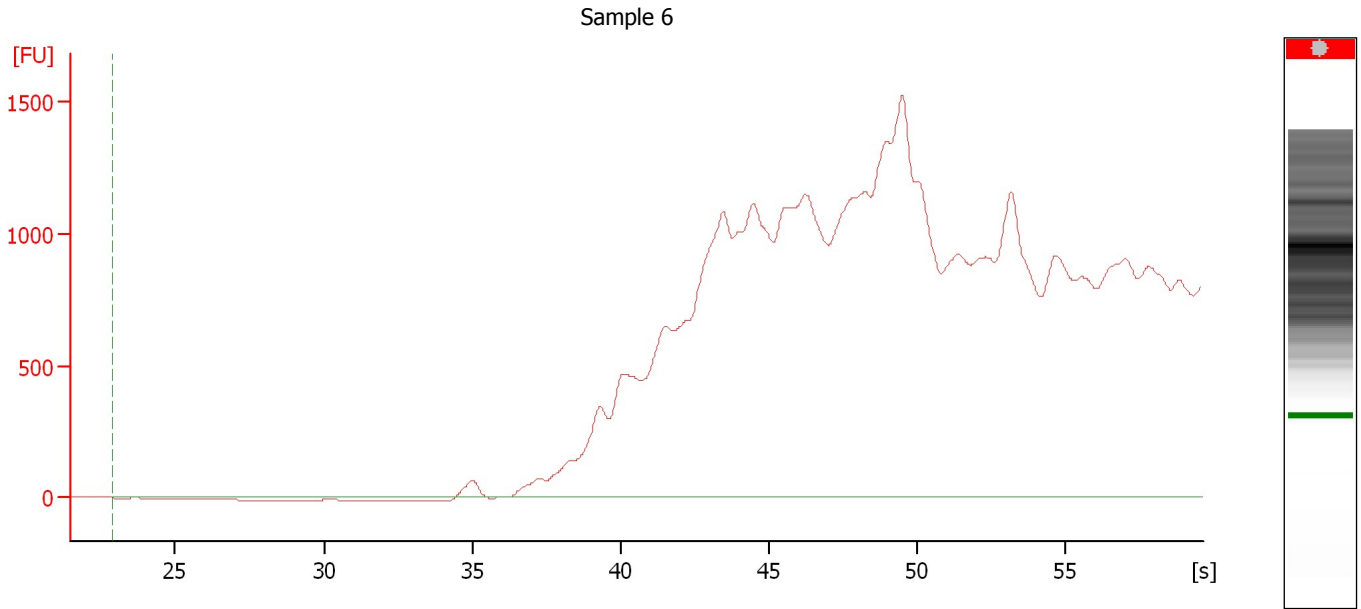
Overall Results for sample 5 : Sample 5

Result Flagging Color: Result Flagging Label: Number of Peaks: 29

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : Sample 6

End Analysis Time Range [s] : 83.45

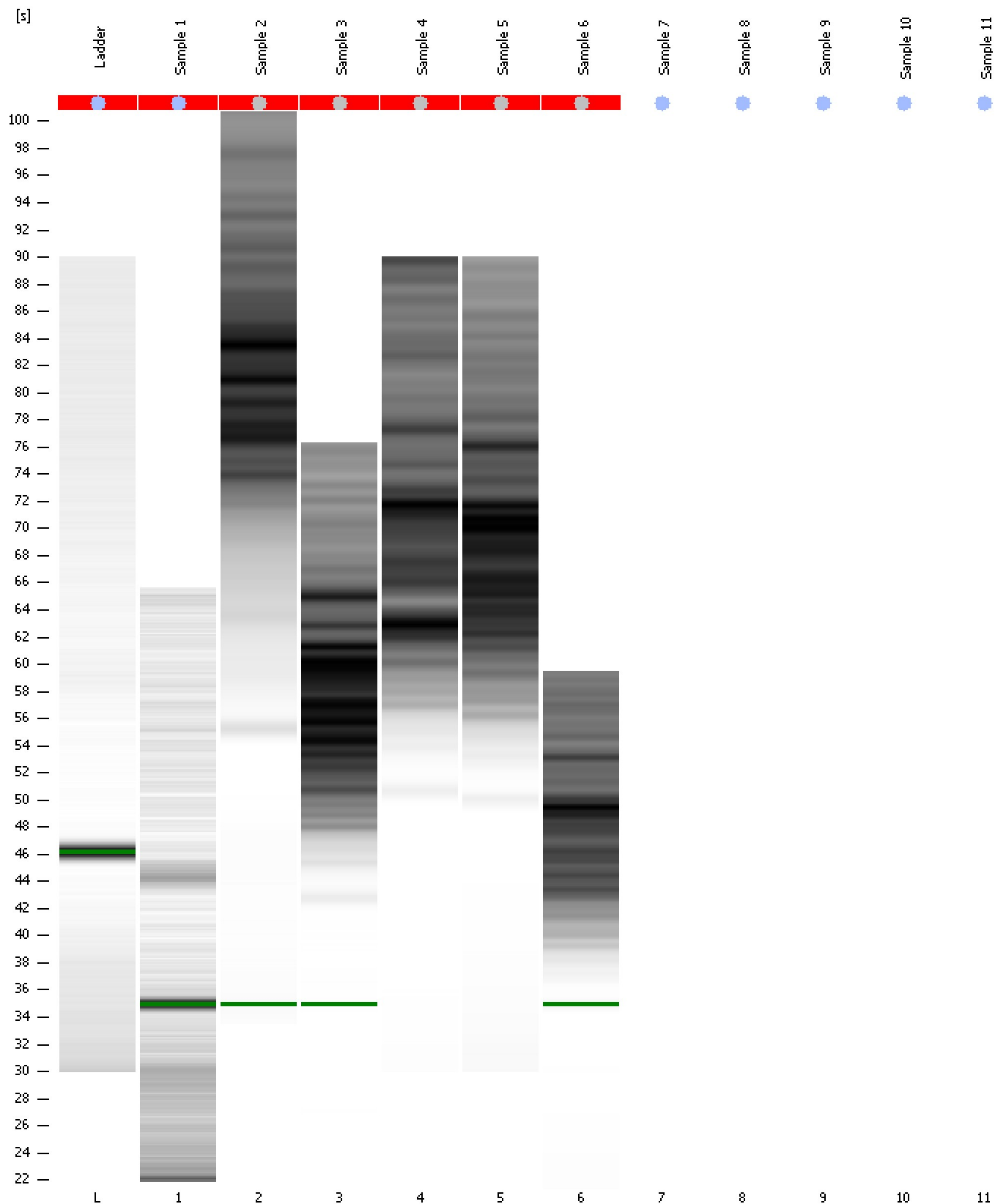
Overall Results for sample 6 : Sample 6

Result Flagging Color: Result Flagging Label: Number of Peaks: 21

Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Gel Image



Assay Class: Small RNA
Data Path: C:\...ents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
Modified: 3/8/2012 10:49:29 AM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

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\2012-03-08\2012-03-08_003.xad

Created: 3/8/2012 10:27:07 AM
 Modified: 3/8/2012 10:49:29 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		3/8/2012 10:49:27 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-03-08\2012-03-08_003.xad)		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/8/2012 10:27:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1