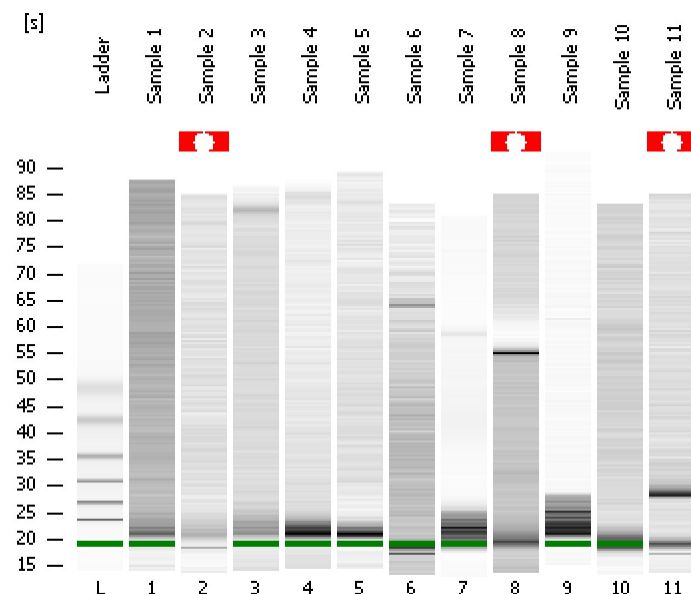


Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE54704320
Serial#: DE54704320

Firmware: C.01.069
Type: G2938C

Assay Information:

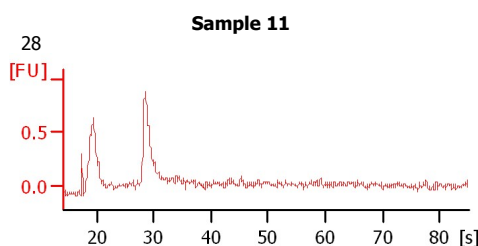
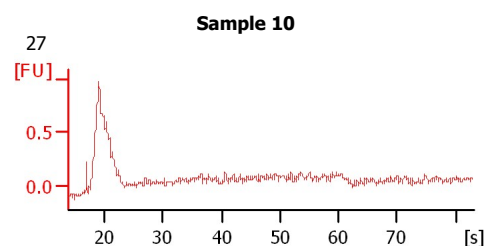
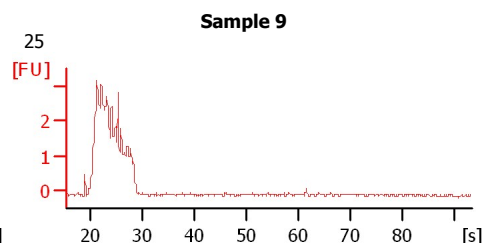
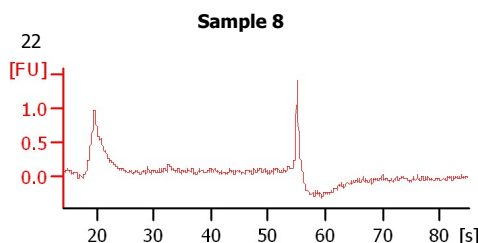
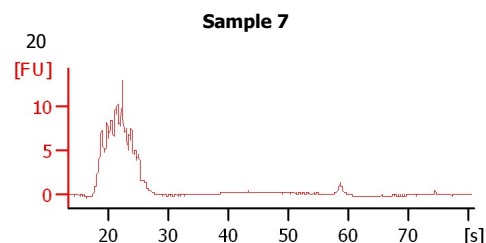
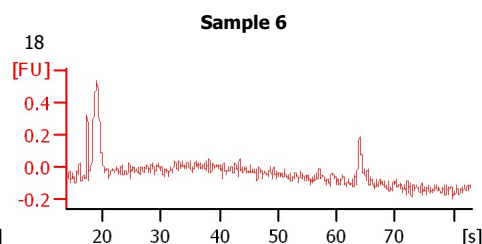
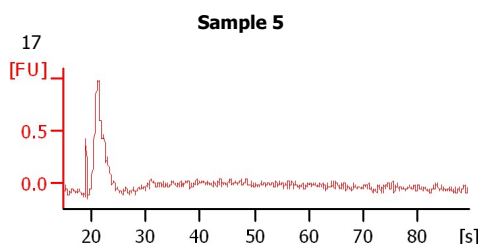
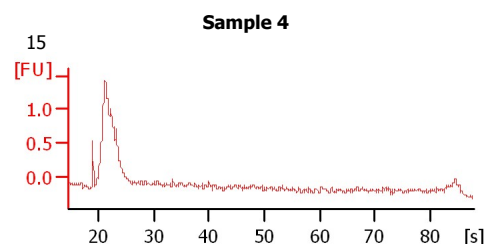
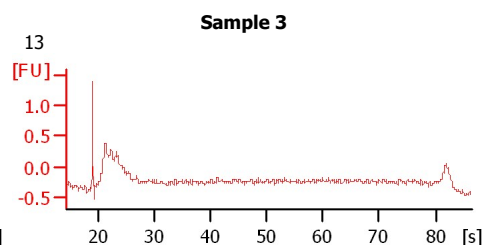
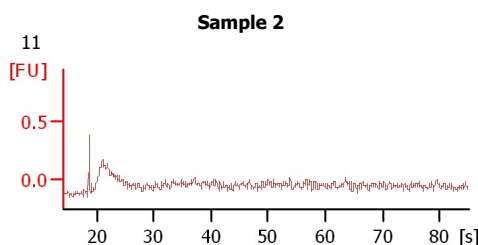
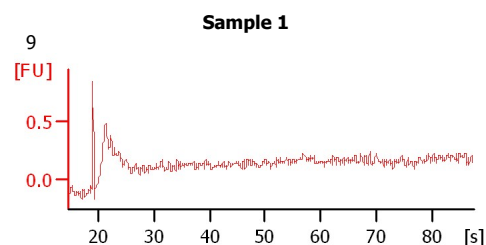
Assay Origin Path: C:\Programmi\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.5
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments: mRNA purificato - Silano



Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	9	✓		
Sample 2	11	✓		
Sample 3	13	✓		
Sample 4	15	✓		
Sample 5	17	✓		
Sample 6	18	✓		
Sample 7	20	✓		
Sample 8	22	✓		
Sample 9	25	✓		
Sample 10	27	✓		
Sample 11	28	✓		

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

mRNA purificato - Silano

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 14

Maximum Visible Range [s] : 85

Start Analysis Time Range [s] : 15

End Analysis Time Range [s] : 84

Ladder Concentration [pg/μl] : 1000

Lower Marker Concentration [pg/μl] : 0

Upper Marker Concentration [pg/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 15

Integration End Time [s] : 84

Slope Threshold : 0.2

Height Threshold [FU] : 0.5

Area Threshold : 0.1

Width Threshold [s] : 0.2

Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

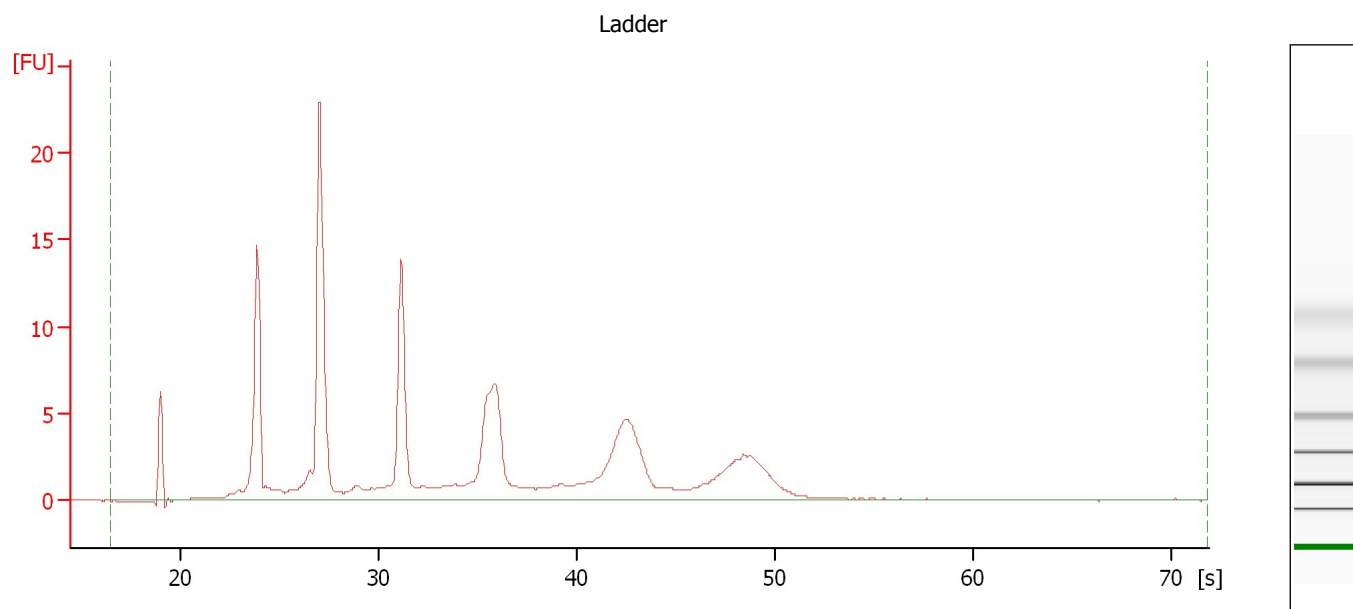
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 165.8

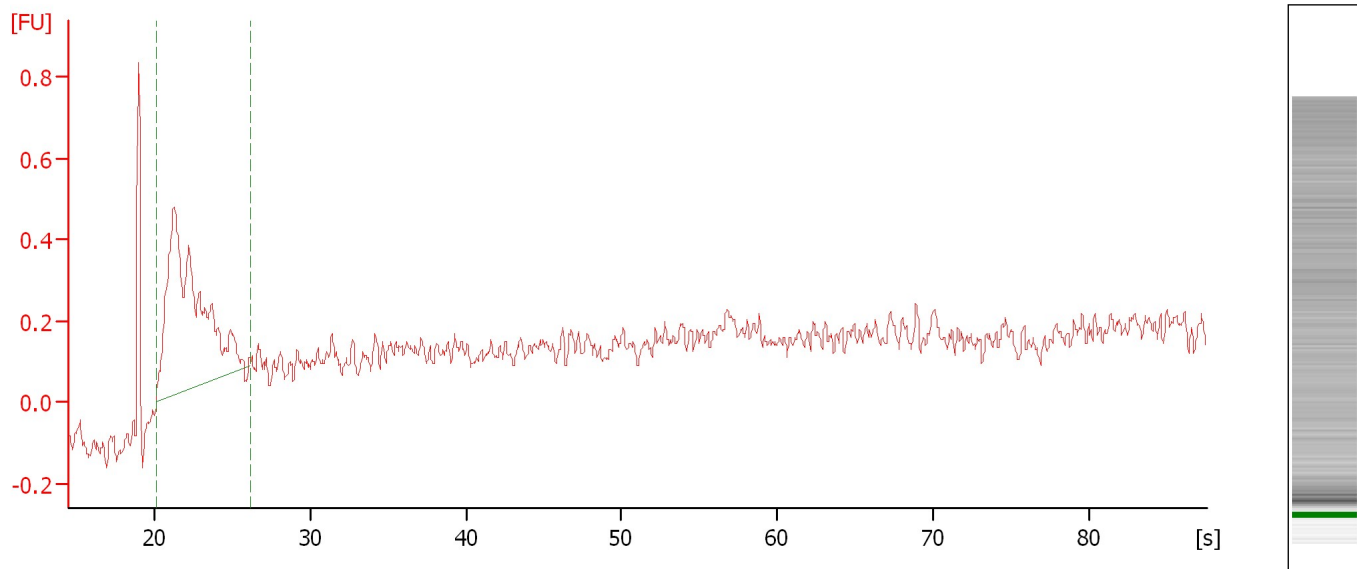
RNA Concentration: 1,000 pg/ μ l

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 1 [9]

**Overall Results for sample 1 : Sample 1**

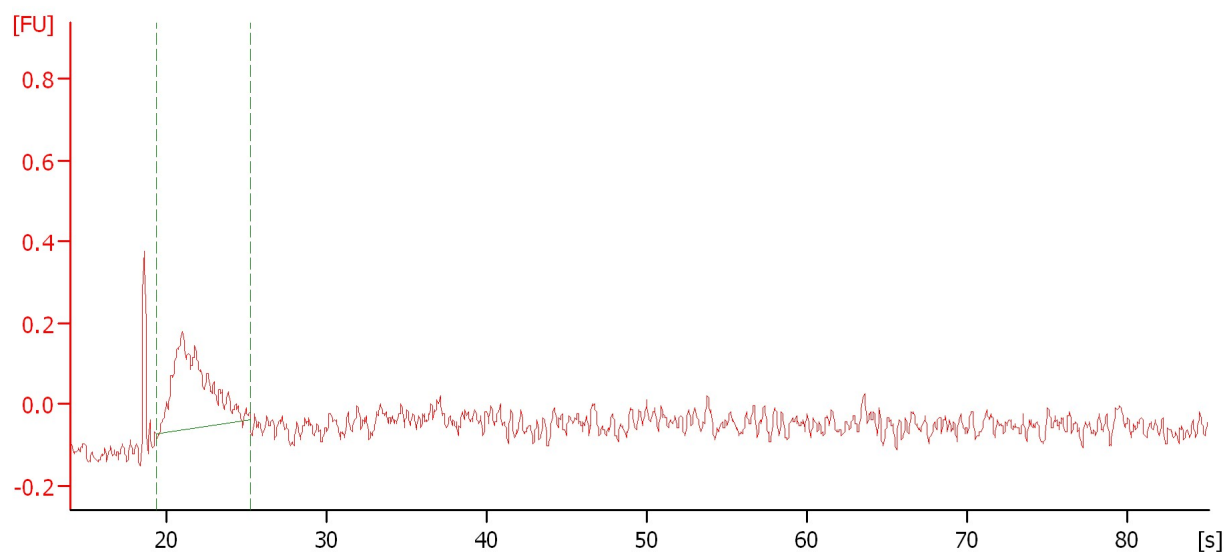
RNA Area:	4.7	rRNA Contamination:	0.0 %
RNA Concentration:	28 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 2 [11]

**Overall Results for sample 2 : Sample 2**

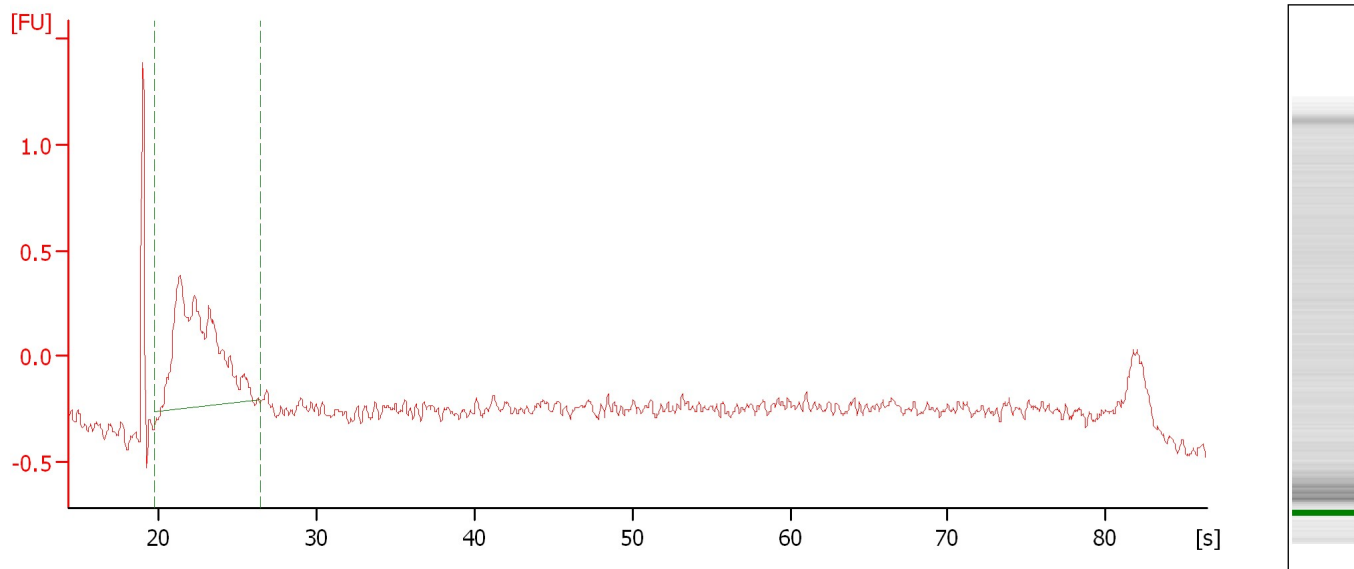
RNA Concentration: 15 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 3 [13]

**Overall Results for sample 3 : Sample 3**

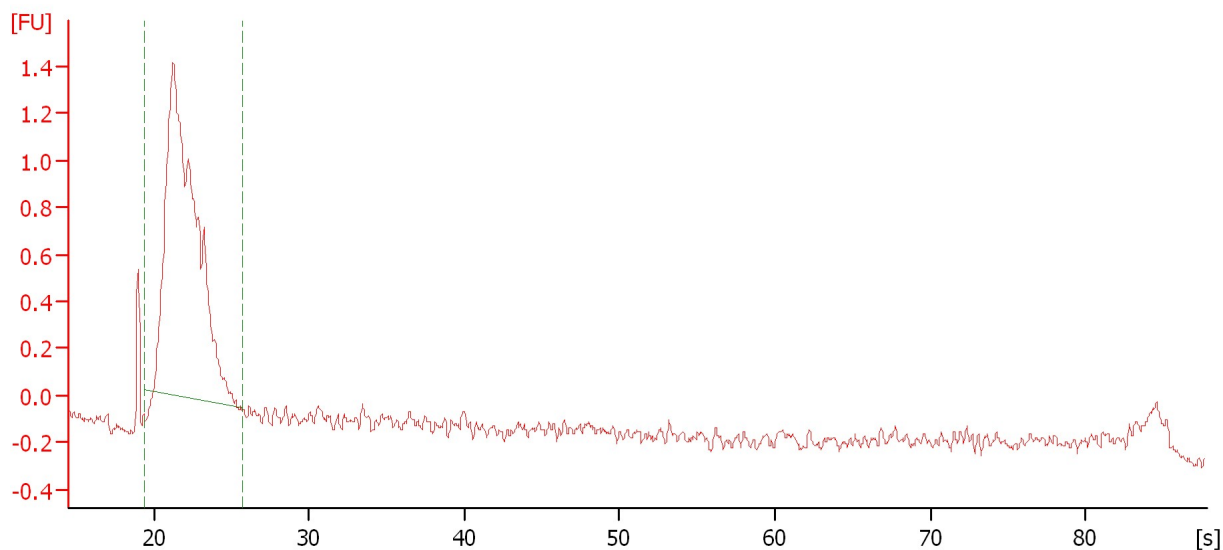
RNA Area: 7.4 rRNA Contamination: 0.0 %
RNA Concentration: 45 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 4 [15]

**Overall Results for sample 4 : Sample 4**

RNA Area: 14.5

rRNA Contamination: 0.0 %

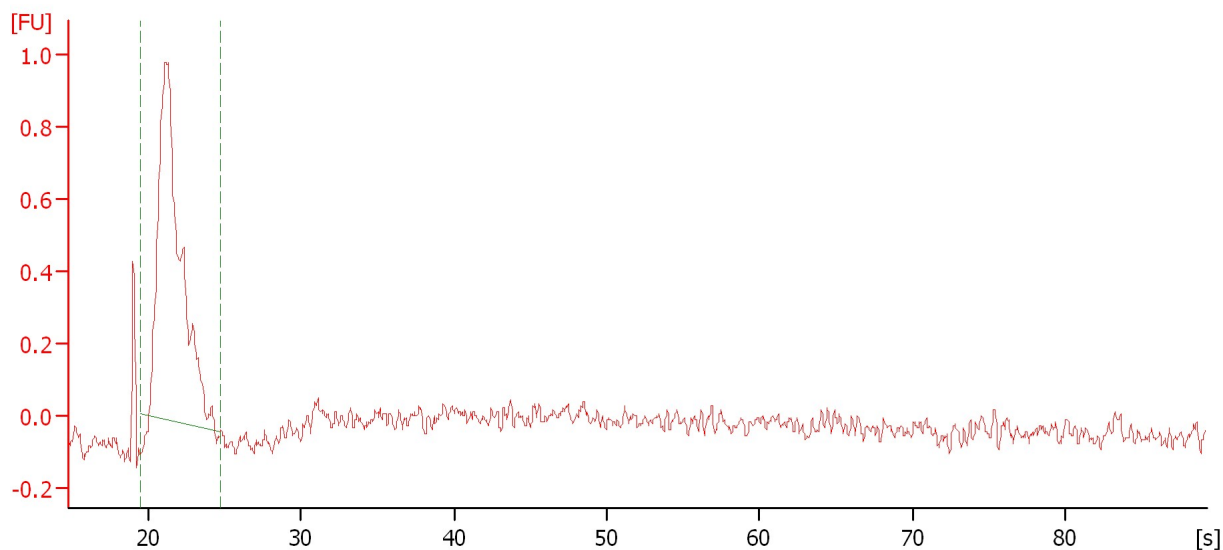
RNA Concentration: 87 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 5 [17]

**Overall Results for sample 5 : Sample 5**

RNA Area: 7.8

rRNA Contamination: 0.0 %

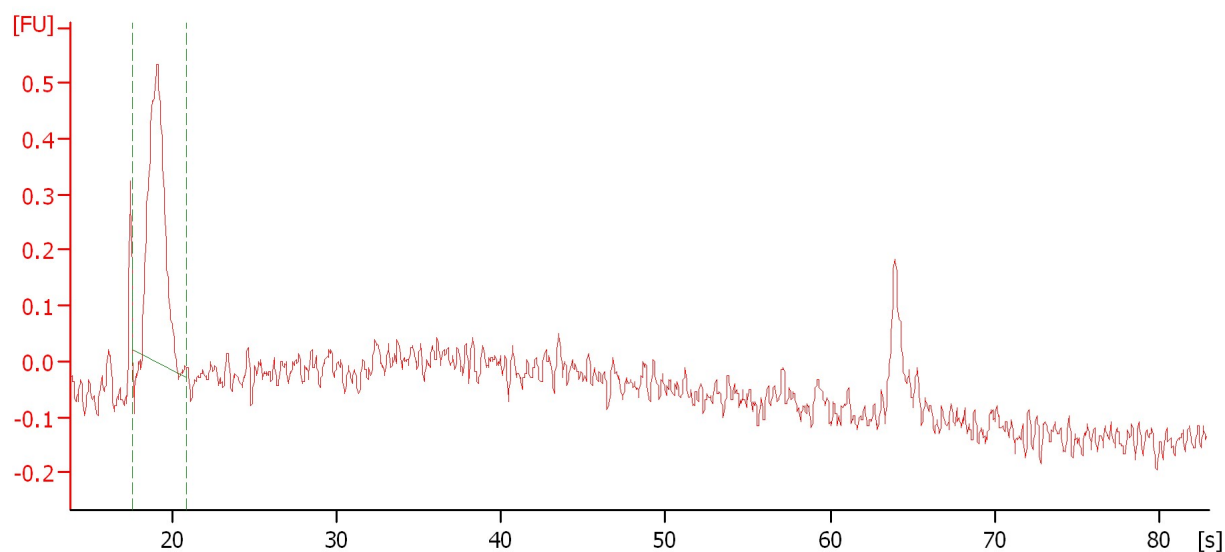
RNA Concentration: 47 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

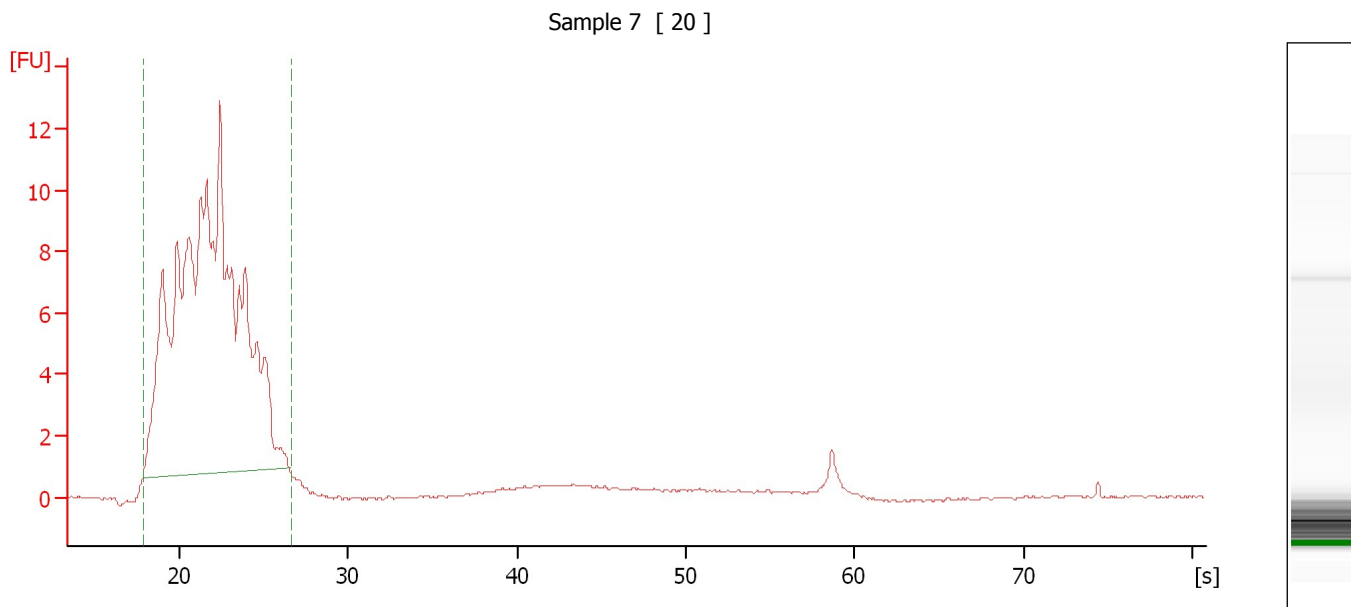
Sample 6 [18]

**Overall Results for sample 6 : Sample 6**

RNA Area: 0.1 rRNA Contamination: 0.0 %
RNA Concentration: 1 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

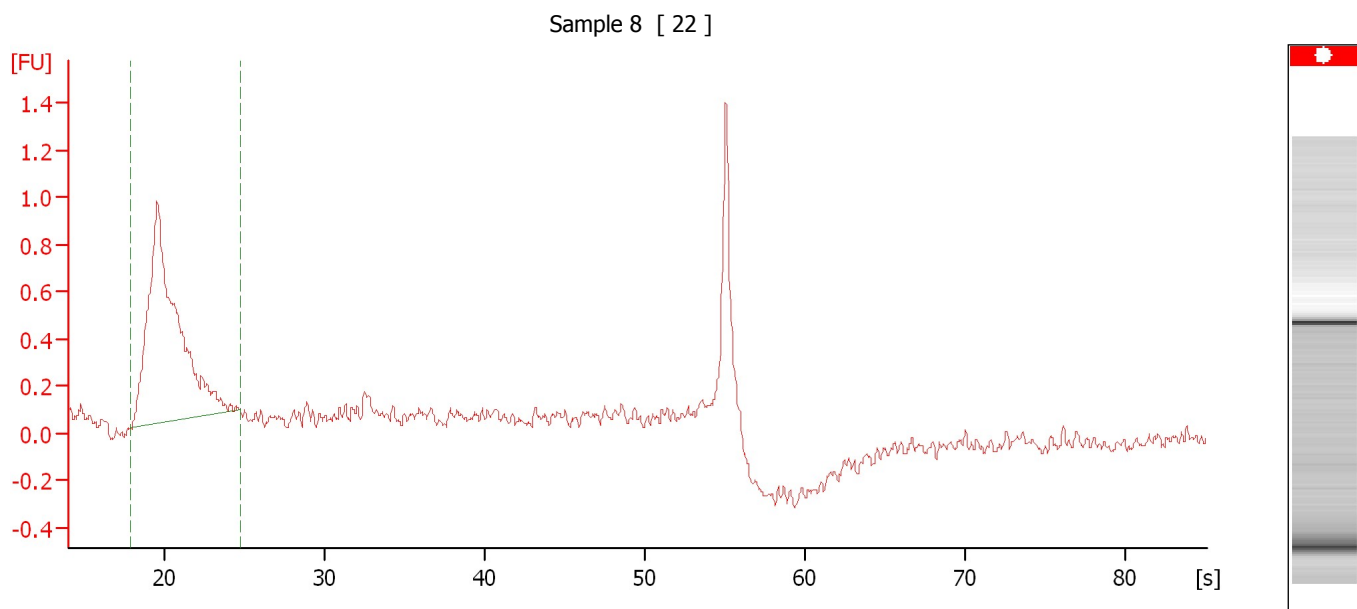
Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Sample 7**

RNA Area: 173.3 rRNA Contamination: 0.0 %
RNA Concentration: 1,046 pg/ μ l

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Sample 8**

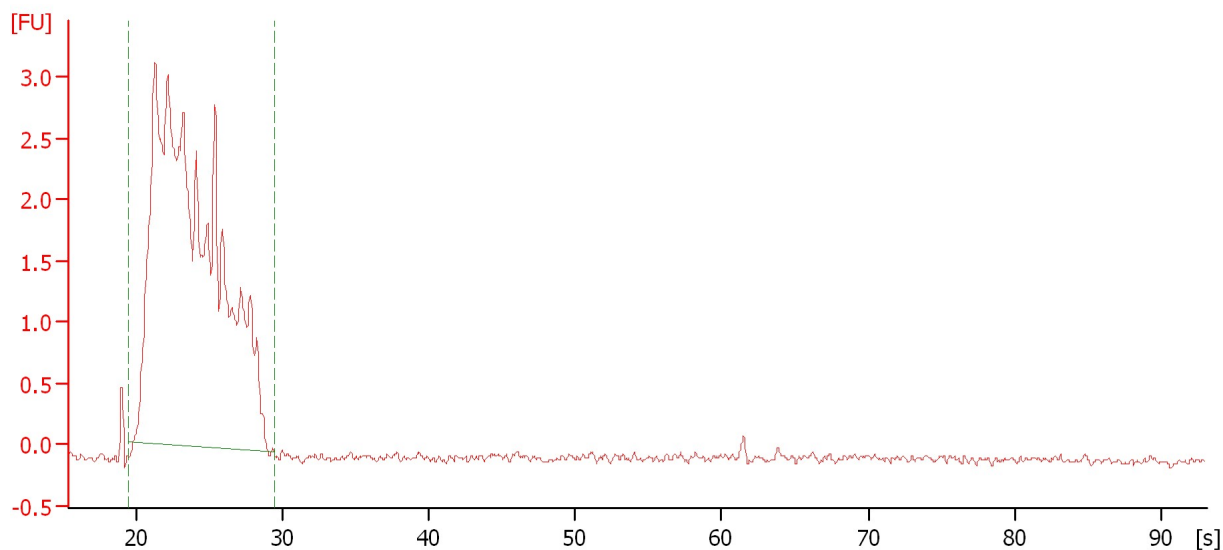
RNA Area:	9.6	rRNA Contamination:	0.0 %
RNA Concentration:	58 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 9 [25]

**Overall Results for sample 9 : Sample 9**

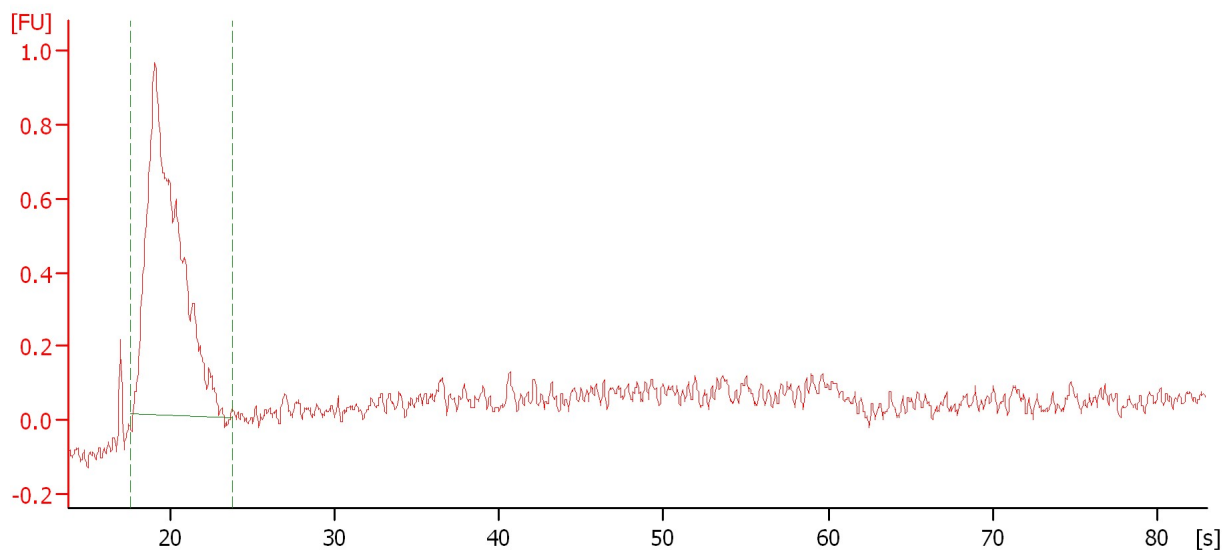
RNA Area: 62.0 rRNA Contamination: 0.0 %
RNA Concentration: 374 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

Sample 10 [27]

**Overall Results for sample 10 : Sample 10**

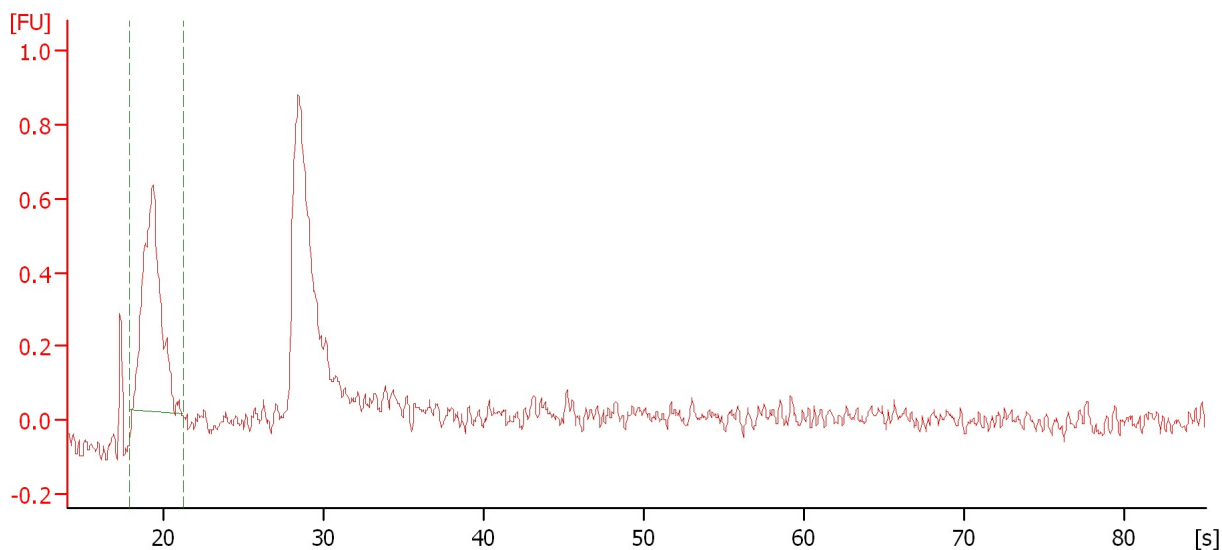
RNA Area: 5.4 rRNA Contamination: 0.0 %
RNA Concentration: 33 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Electropherogram Summary Continued ...

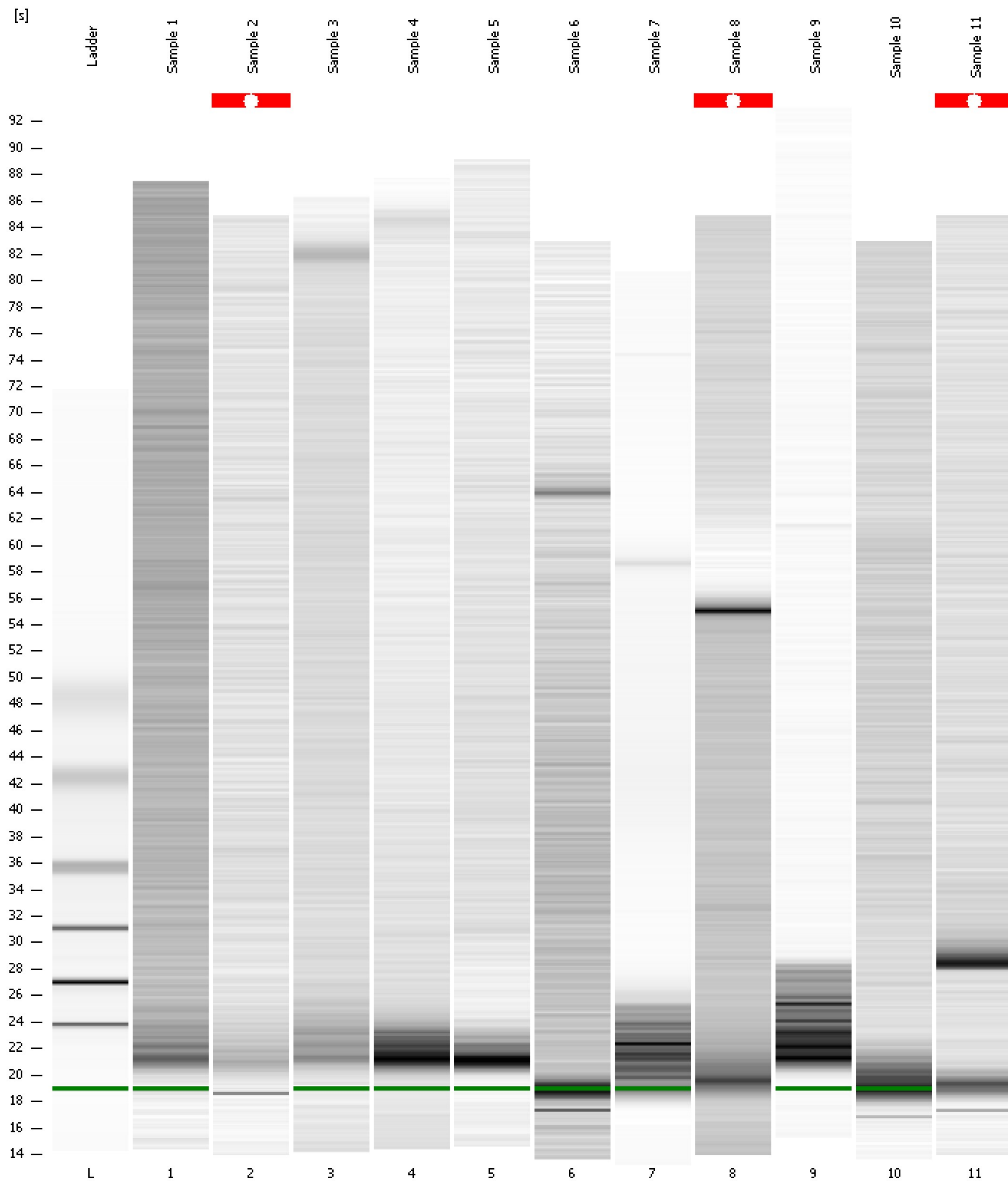
Sample 11 [28]

**Overall Results for sample 11 : Sample 11**

RNA Concentration: 24 pg/ μ l

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

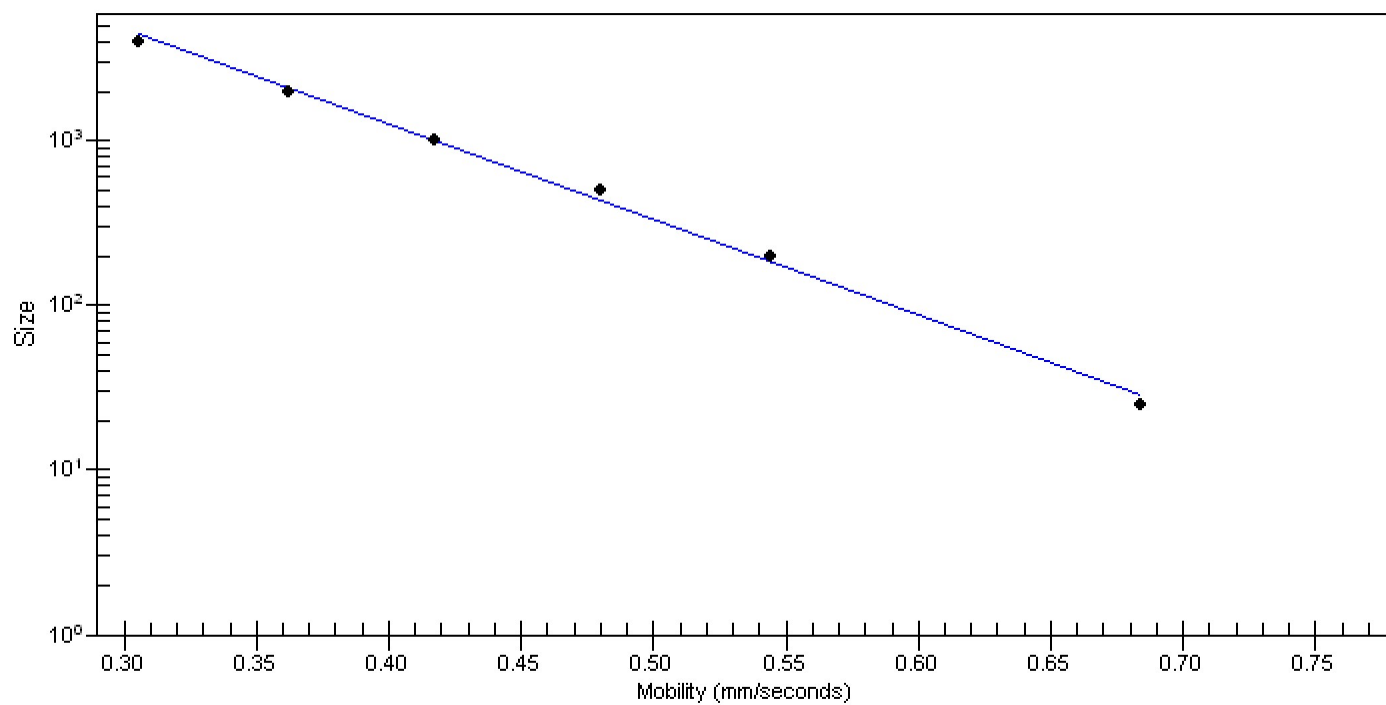
Gel Image

Assay Class: mRNA Pico
Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
Modified: 7/2/2014 11:45:08 AM

Curves

Standard Curve



Assay Class: mRNA Pico
 Data Path: C:\...02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad

Created: 7/2/2014 10:41:12 AM
 Modified: 7/2/2014 11:45:08 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/2/2014 11:06:52 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Run started on port 1 (File: C:\Programmi\Agilent\2100 bioanalyzer\2100 expert\Data\2014-07-02\2100 expert_mRNA Pico_DE54704320_2014-07-02_10-41-12.xad)		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Product Number : G2938C		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Name :		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Vendor : Agilent Technologies		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Serial# : DE54704320		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Firmware : C.01.069		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B
Cartridge : Electrode		Instrument	Run		7/2/2014 10:41:19 AM	(GMT +02:00) ora solare Europa occidentale	Pierangelo Orlando	LENOVO-840CE 95B