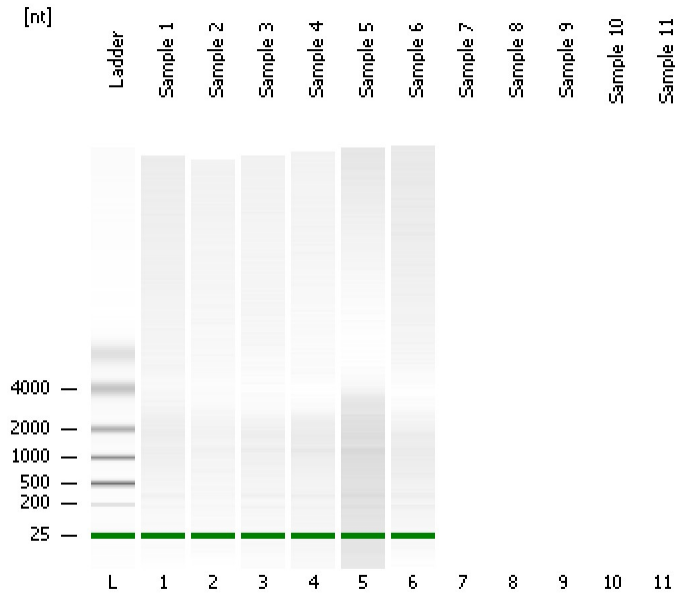


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

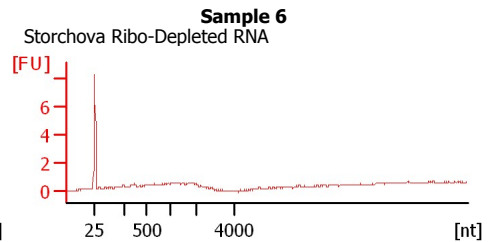
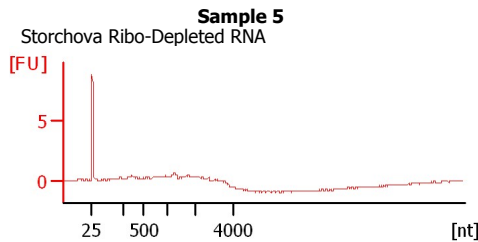
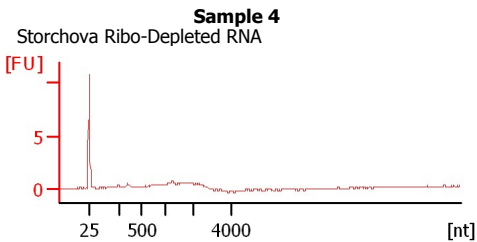
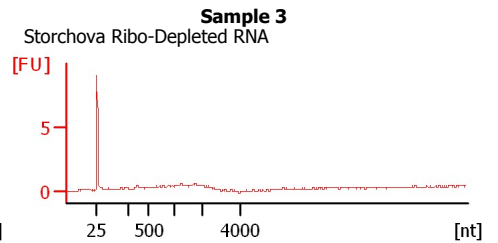
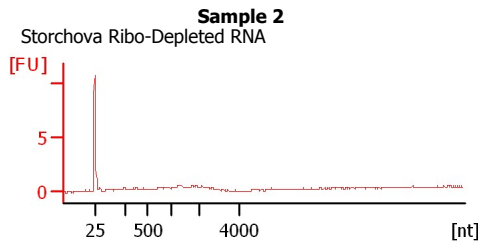
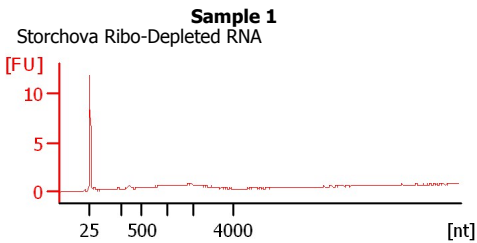
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	Storchova Ribo-Depleted RNA	✓		
Sample 2	Storchova Ribo-Depleted RNA	✓		
Sample 3	Storchova Ribo-Depleted RNA	✓		
Sample 4	Storchova Ribo-Depleted RNA	✓		
Sample 5	Storchova Ribo-Depleted RNA	✓		
Sample 6	Storchova Ribo-Depleted RNA	✓		
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
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] : 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

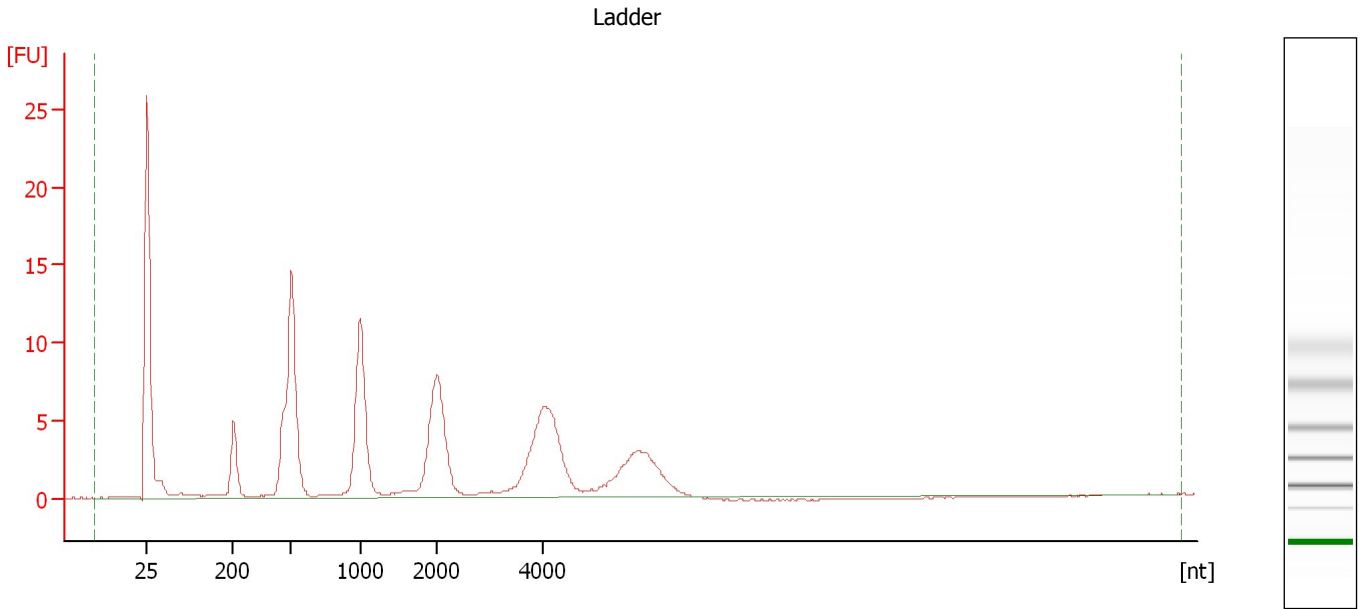
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary



Overall Results for Ladder

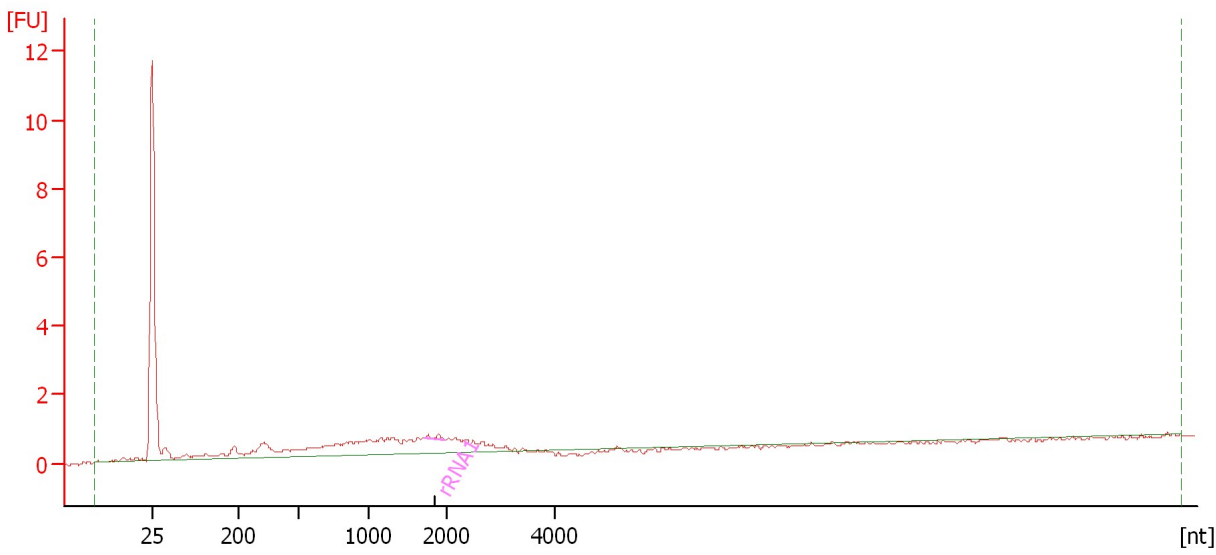
RNA Area: 153.1 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 1 [Storchova Ribo-Depleted RNA]



Overall Results for sample 1 : Sample 1

RNA Area: 20.4 rRNA Contamination: 1.0 %
RNA Concentration: 133 pg/μl

Fragment table for sample 1 : Sample 1

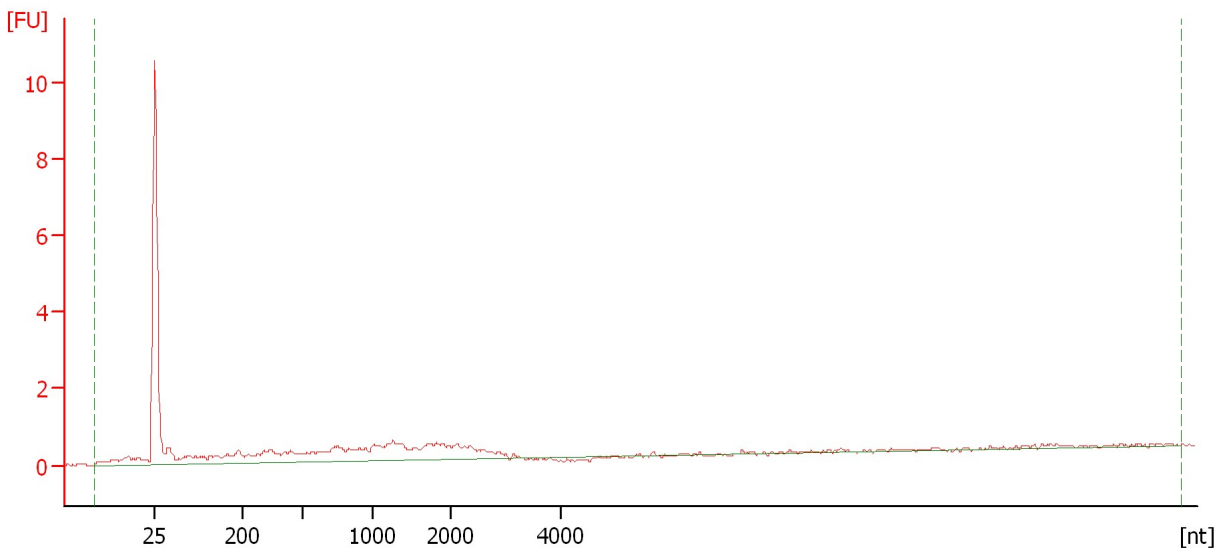
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,716	1,983	0.2	1.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 2 [Storchova Ribo-Depleted RNA]



Overall Results for sample 2 : Sample 2

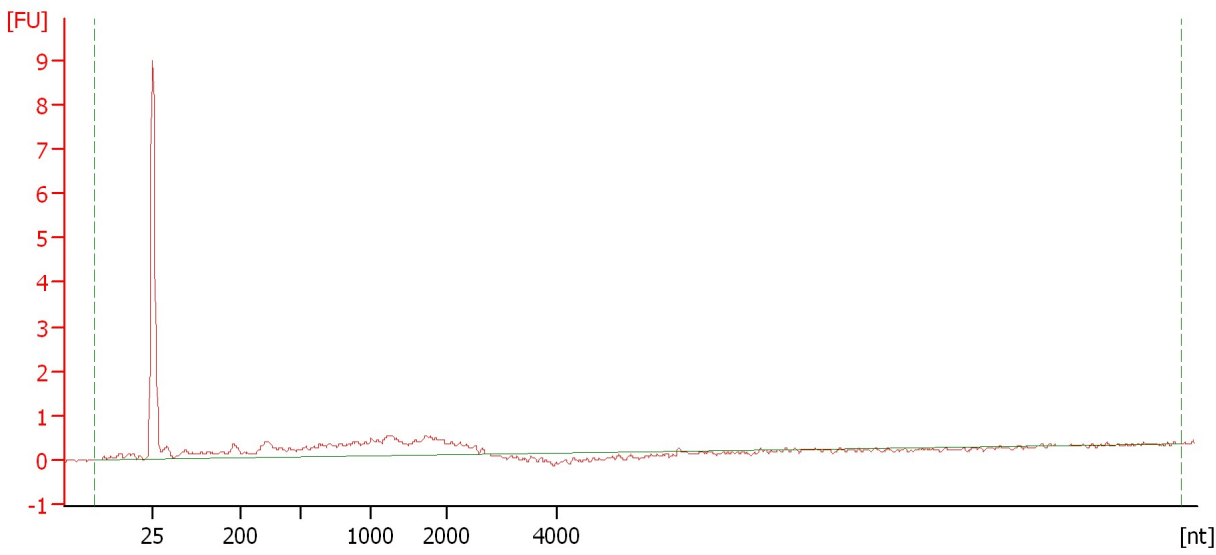
RNA Area: 22.3 rRNA Contamination: 0.0 %
RNA Concentration: 145 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 3 [Storchova Ribo-Depleted RNA]



Overall Results for sample 3 : Sample 3

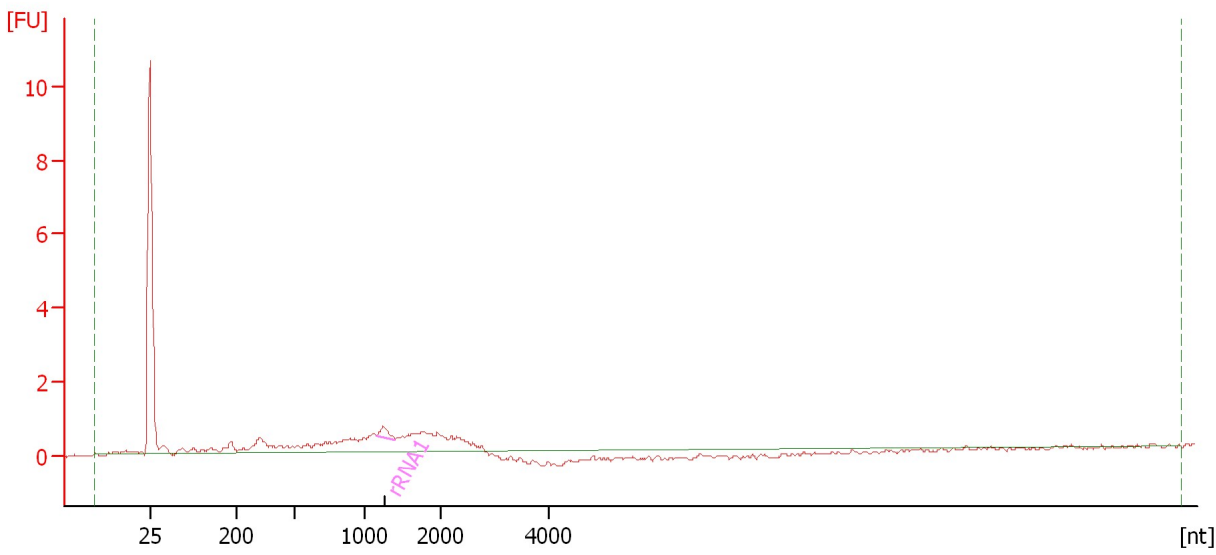
RNA Area:	14.4	rRNA Contamination:	0.0 %
RNA Concentration:	94 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 4 [Storchova Ribo-Depleted RNA]



Overall Results for sample 4 : Sample 4

RNA Area: 15.6 rRNA Contamination: 3.0 %
RNA Concentration: 102 pg/μl

Fragment table for sample 4 : Sample 4

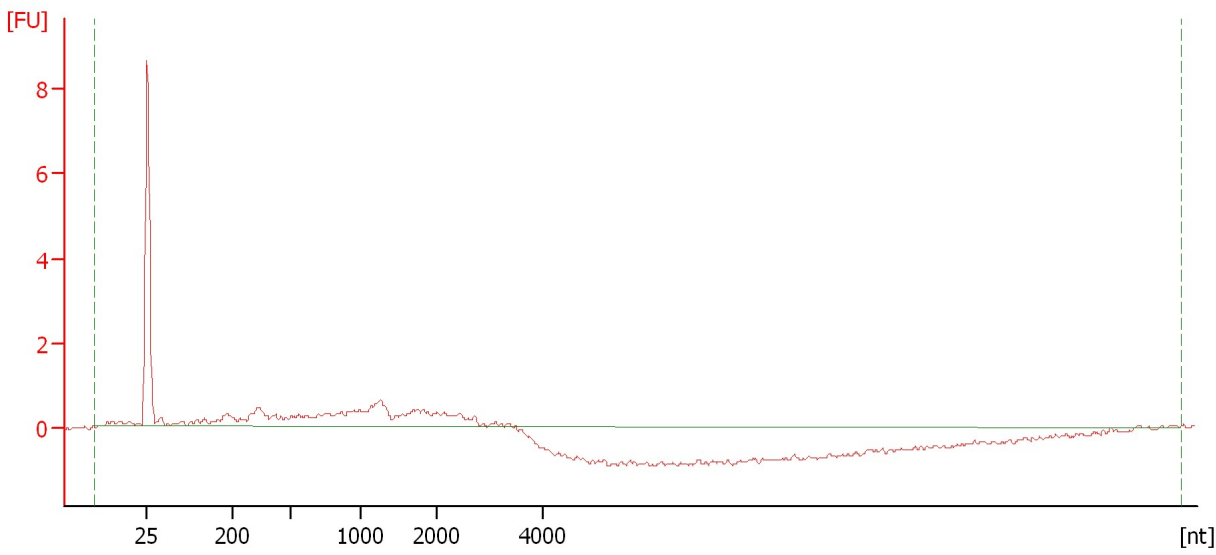
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,154	1,391	0.5	3.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 5 [Storchova Ribo-Depleted RNA]



Overall Results for sample 5 : Sample 5

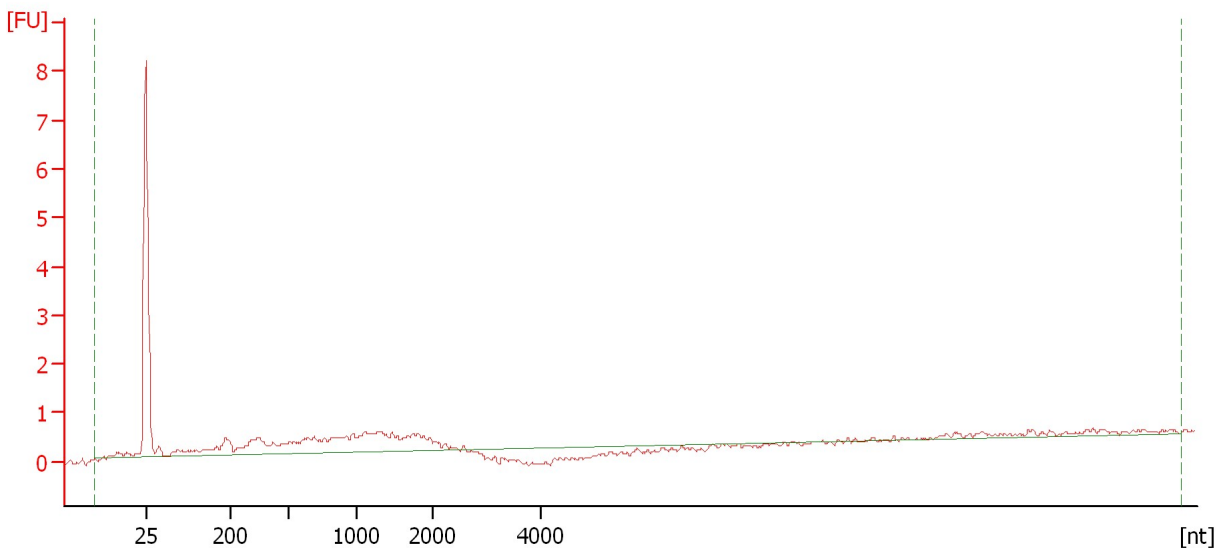
RNA Area:	18.4	rRNA Contamination:	0.0 %
RNA Concentration:	120 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Electropherogram Summary Continued ...

Sample 6 [Storchova Ribo-Depleted RNA]



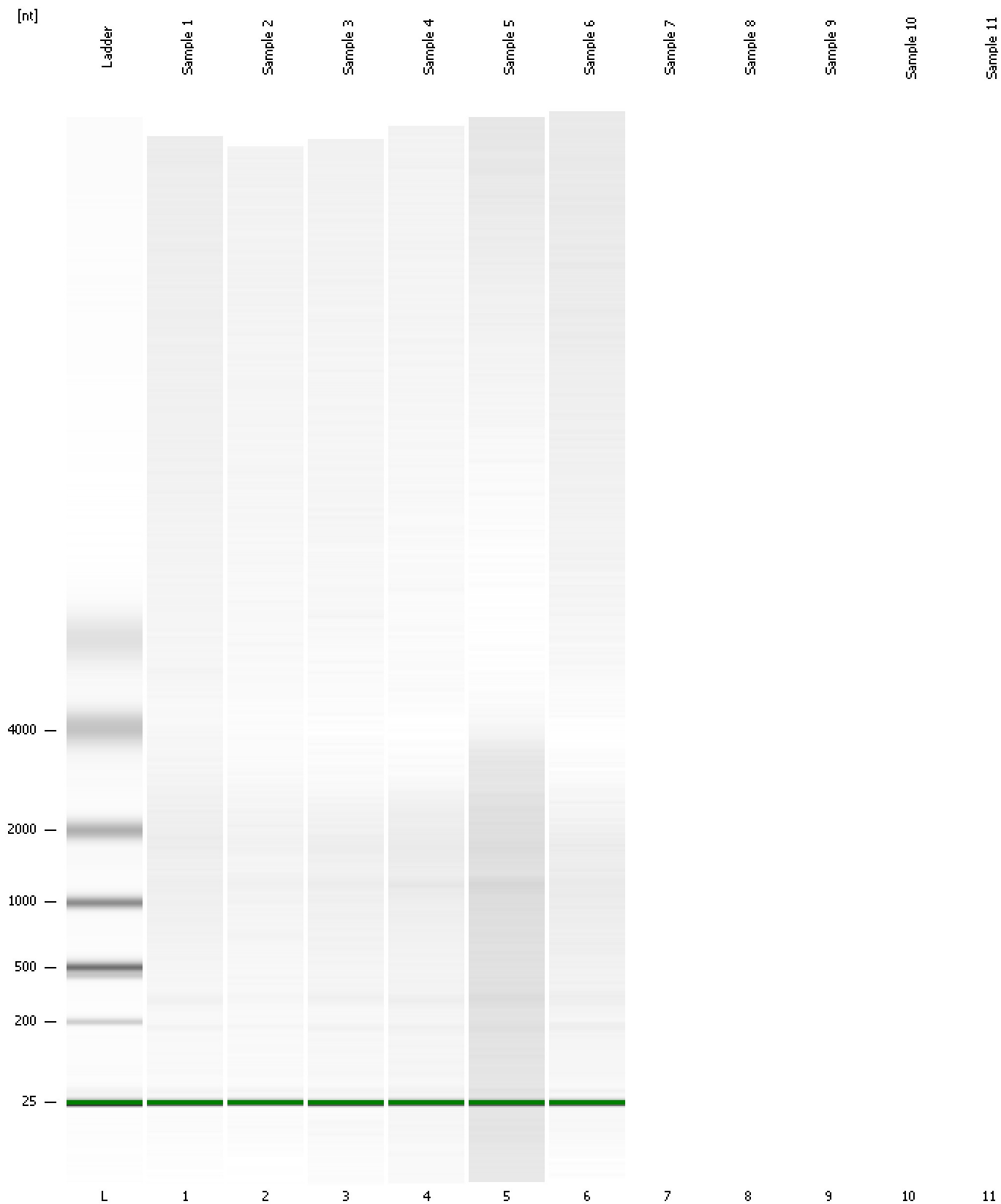
Overall Results for sample 6 : Sample 6

RNA Area: 17.7 rRNA Contamination: 0.0 %
RNA Concentration: 116 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

Gel Image



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
Modified: 6/8/2016 12:34:20 PM

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: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad

Created: 6/8/2016 12:16:50 PM
 Modified: 6/8/2016 12:34:20 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		6/8/2016 12:34:20 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-06-08\2016-06-08_001.xad)		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/8/2016 12:16:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1