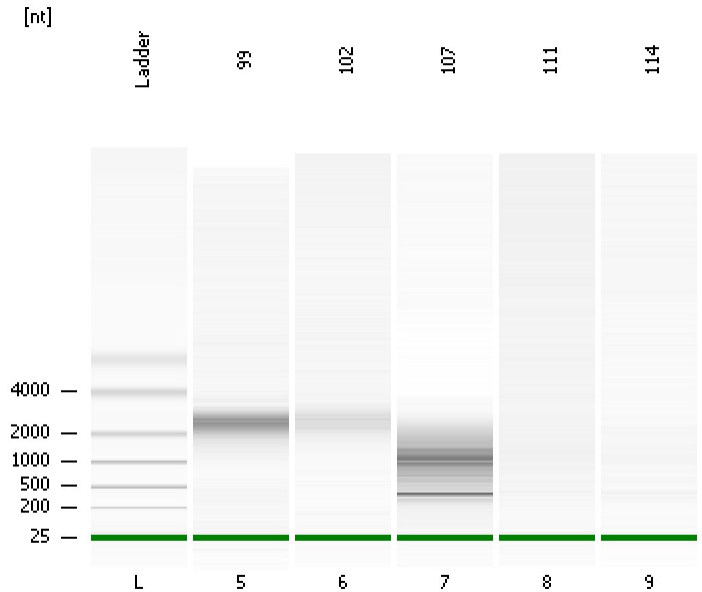


Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

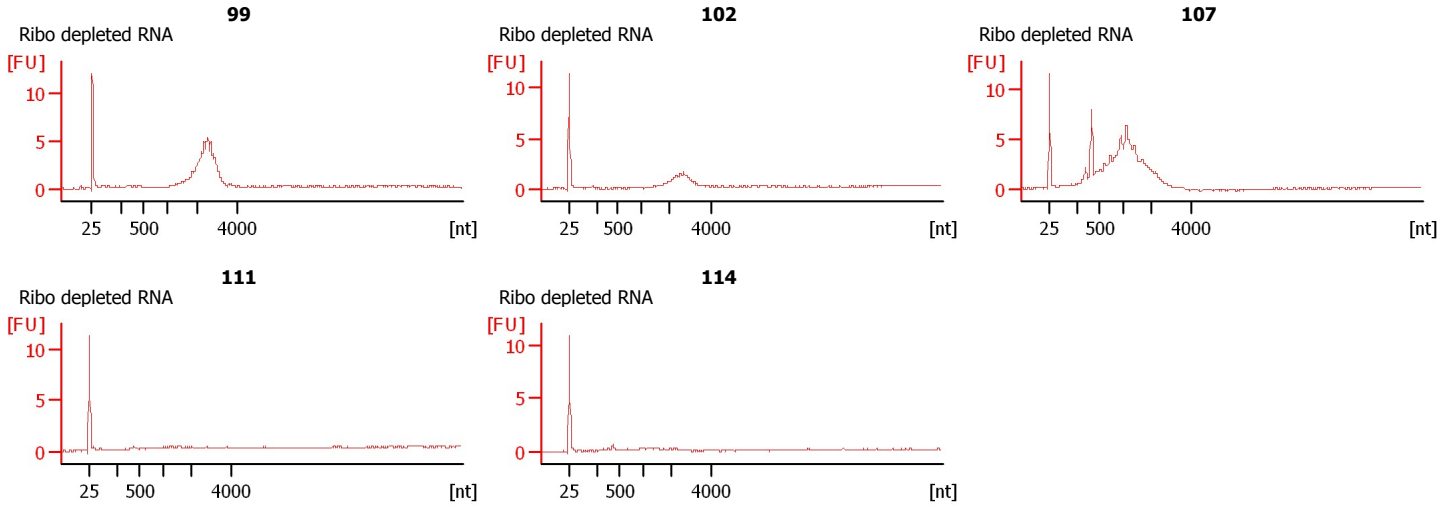
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
99	Ribo depleted RNA	✓		
102	Ribo depleted RNA	✓		
107	Ribo depleted RNA	✓		
111	Ribo depleted RNA	✓		
114	Ribo depleted RNA	✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 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

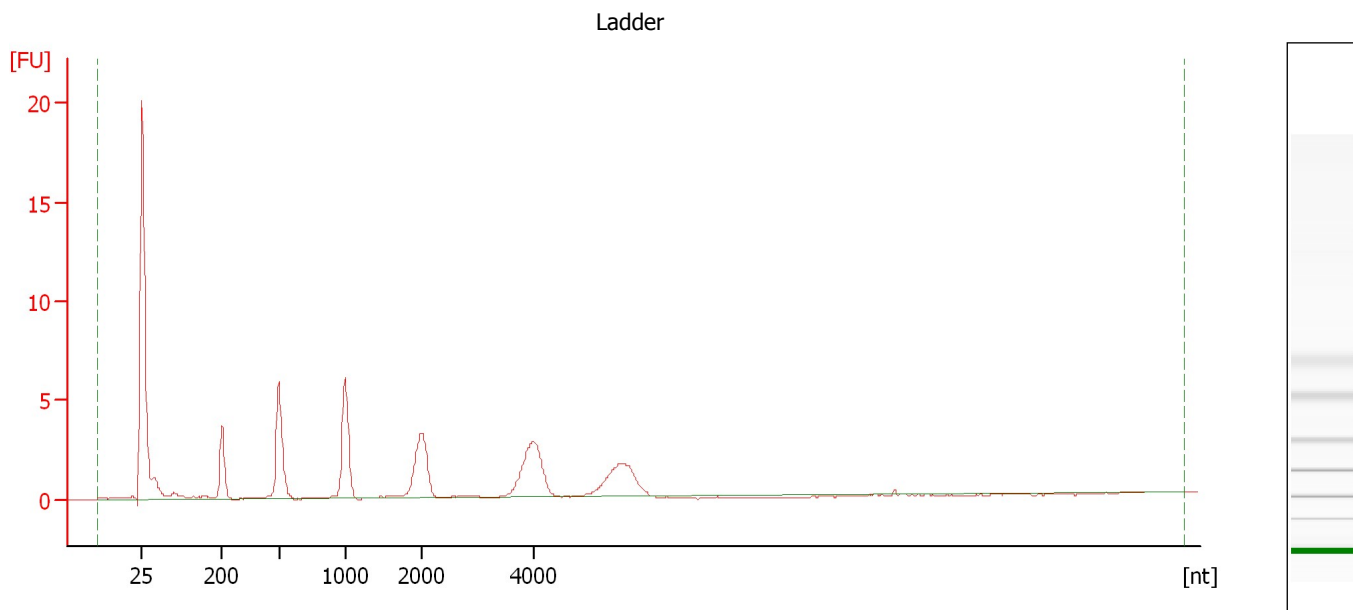
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary



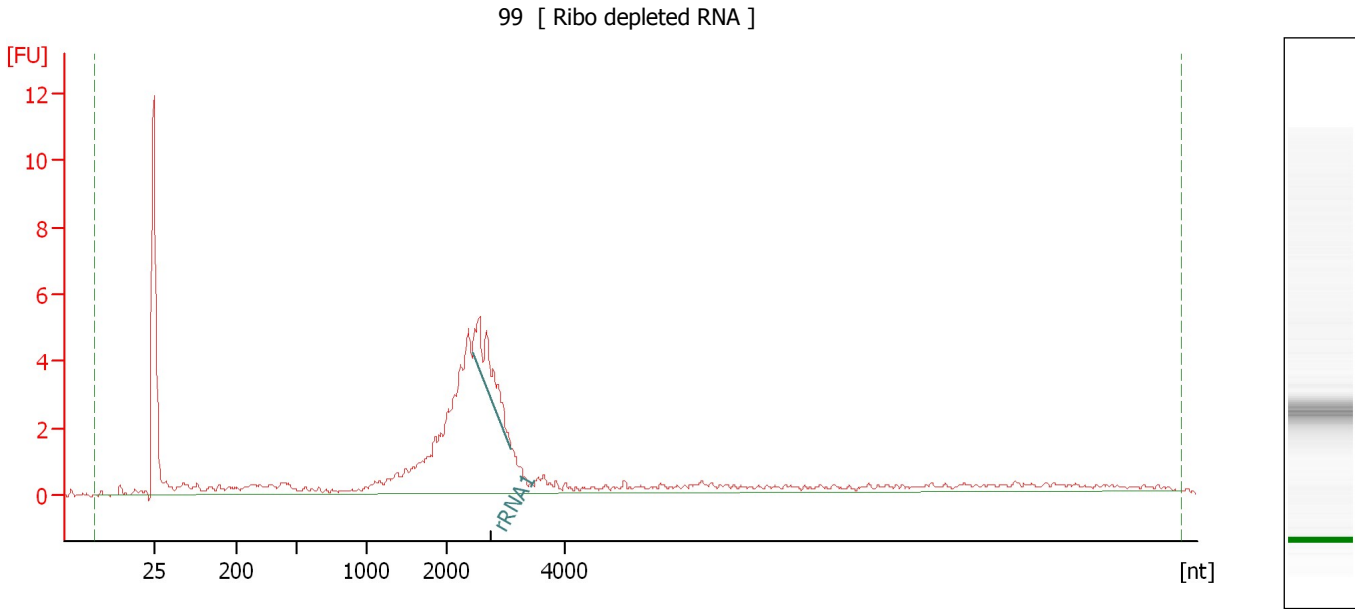
Overall Results for Ladder

RNA Area: 52.2 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
 Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 99

RNA Area: 70.6 rRNA Contamination: 6.8 %
 RNA Concentration: 1,353 pg/μl

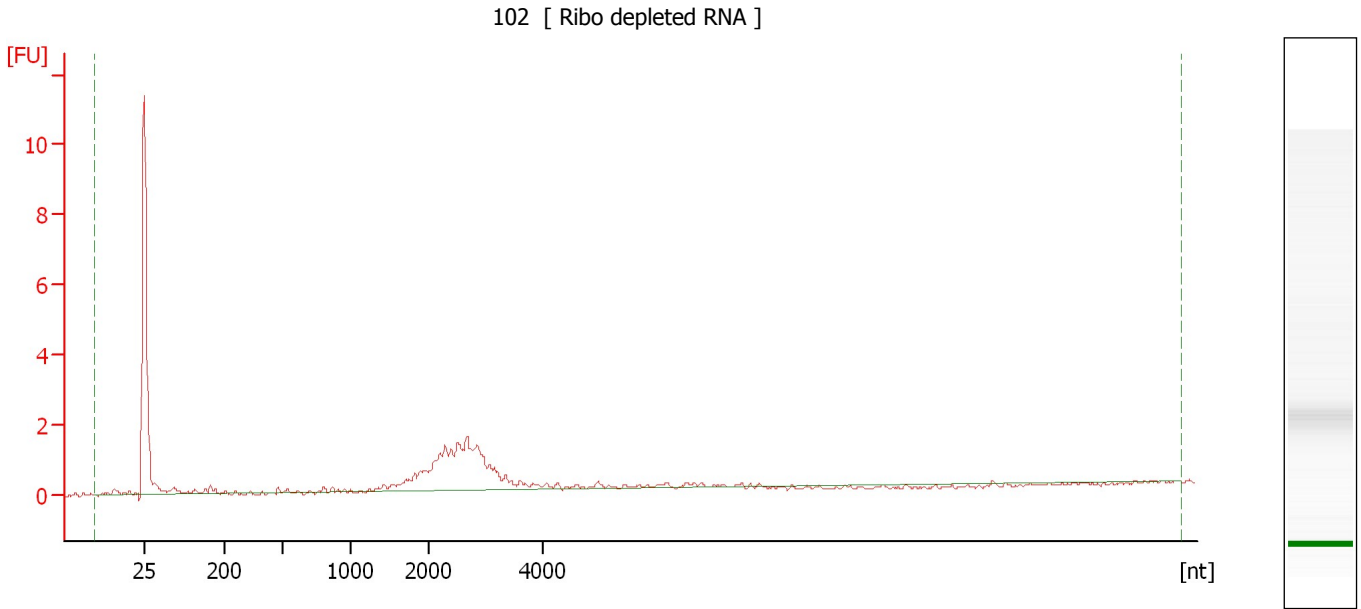
Fragment table for sample 5 : 99

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	2,435	3,084	4.8	6.8

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary Continued ...



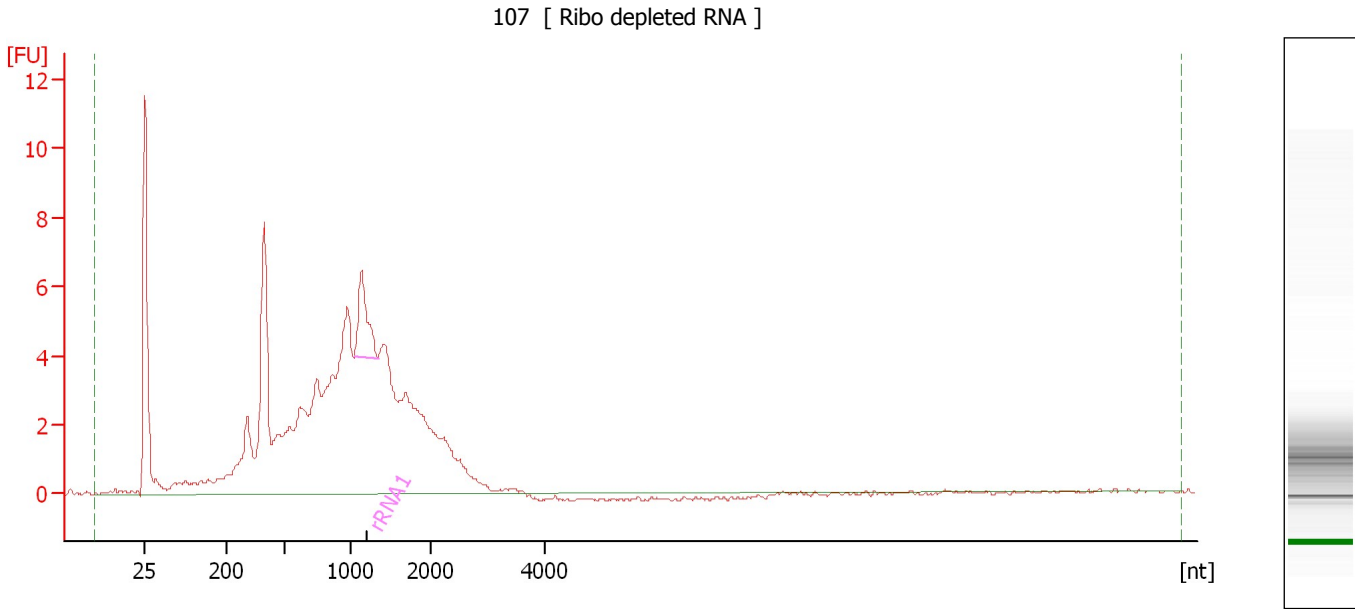
Overall Results for sample 6 : 102

RNA Area:	18.9	rRNA Contamination:	0.0 %
RNA Concentration:	362 pg/μl		

Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
 Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 107

RNA Area: 138.7 rRNA Contamination: 3.5 %
 RNA Concentration: 2,660 pg/μl

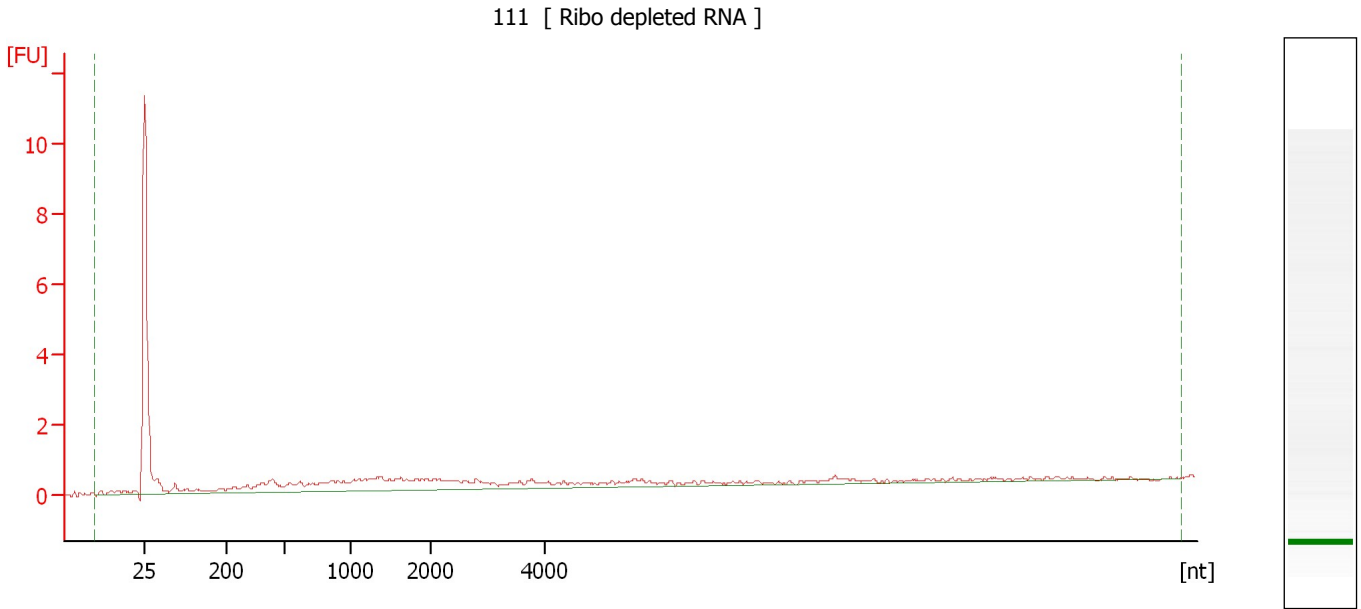
Fragment table for sample 7 : 107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,043	1,336	4.8	3.5

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 111

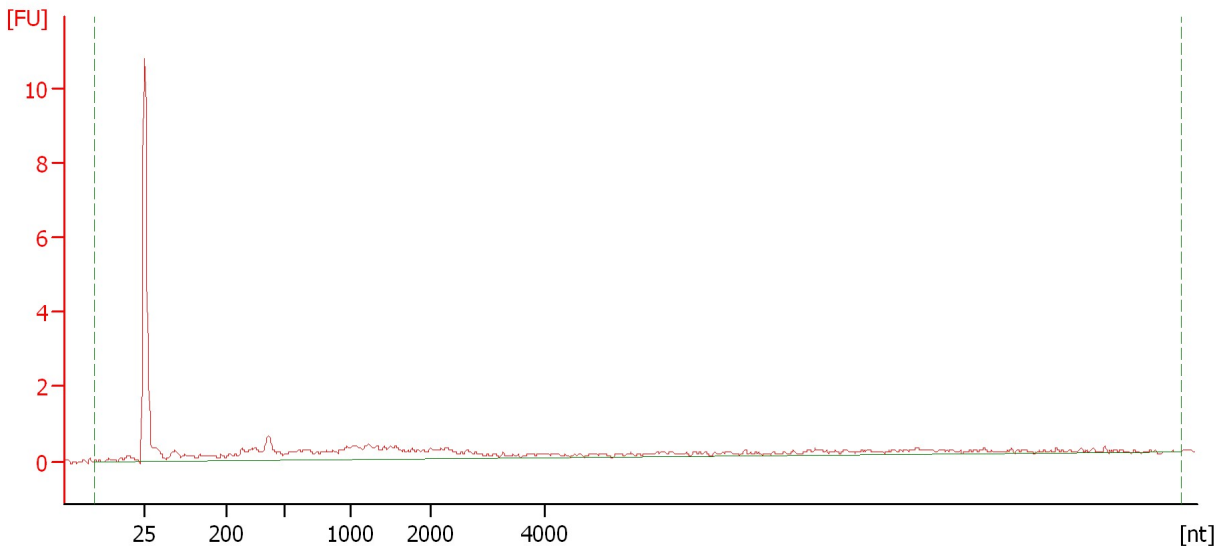
RNA Area: 20.9 rRNA Contamination: 0.0 %
RNA Concentration: 401 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Electropherogram Summary Continued ...

114 [Ribo depleted RNA]



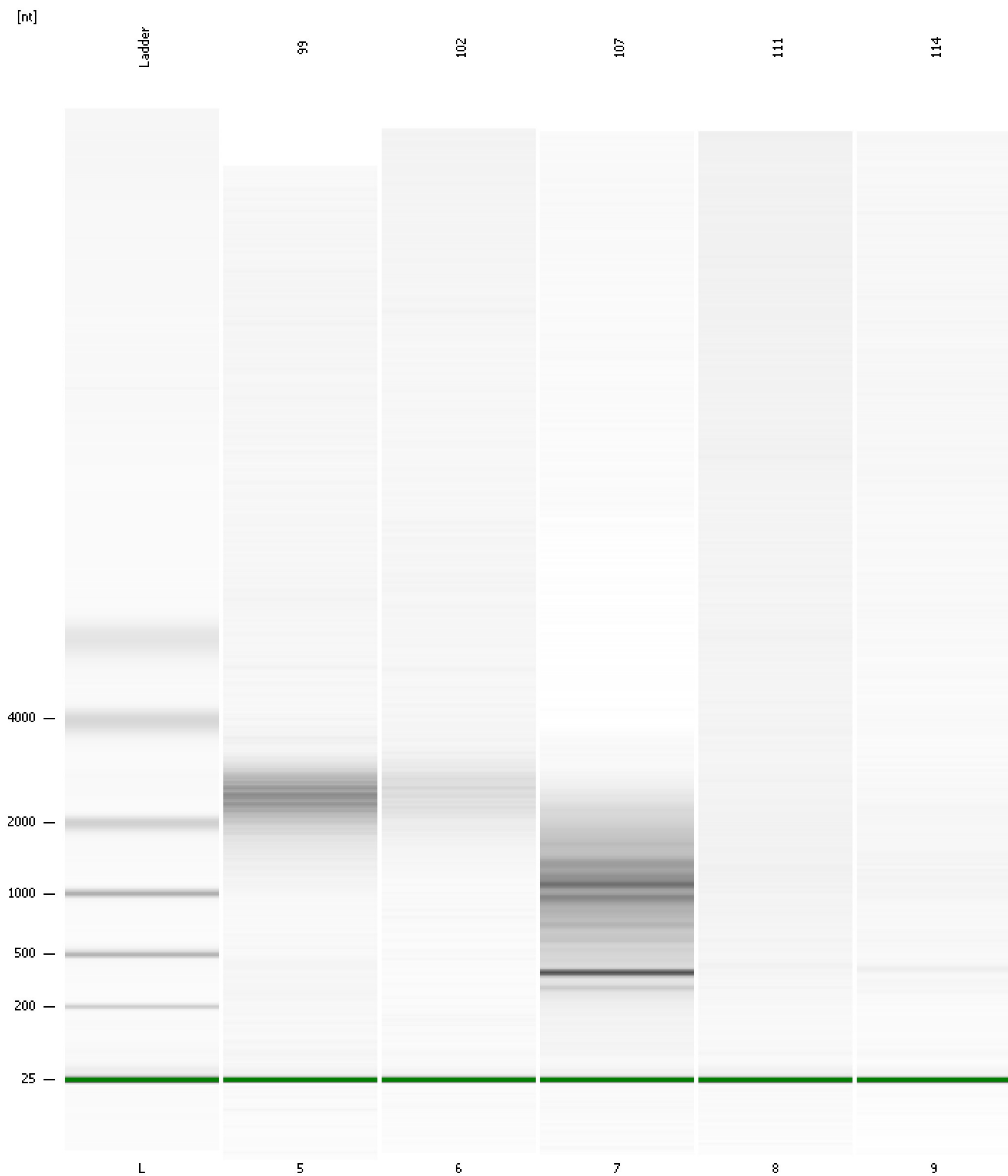
Overall Results for sample 9 : 114

RNA Area: 19.4 rRNA Contamination: 0.0 %
RNA Concentration: 372 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Gel Image

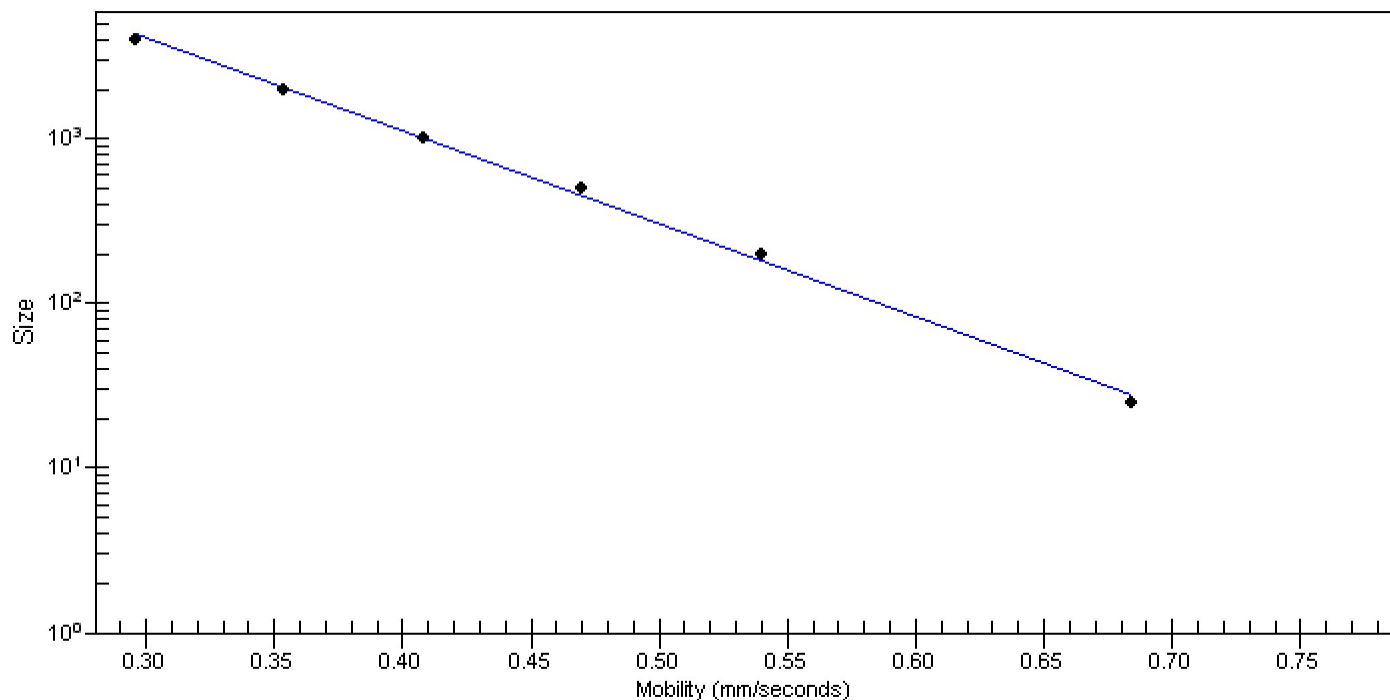


Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
Modified: 4/26/2016 2:55:18 PM

Curves

Standard Curve



Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-26\2016-04-26_001_HiSeq466_RiboDepletedRNA.xad

Created: 4/26/2016 11:21:47 AM
 Modified: 4/26/2016 2:55:18 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		4/26/2016 11:47:40 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-04-26\2016-04-26_001.xad)		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/26/2016 11:21:53 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1