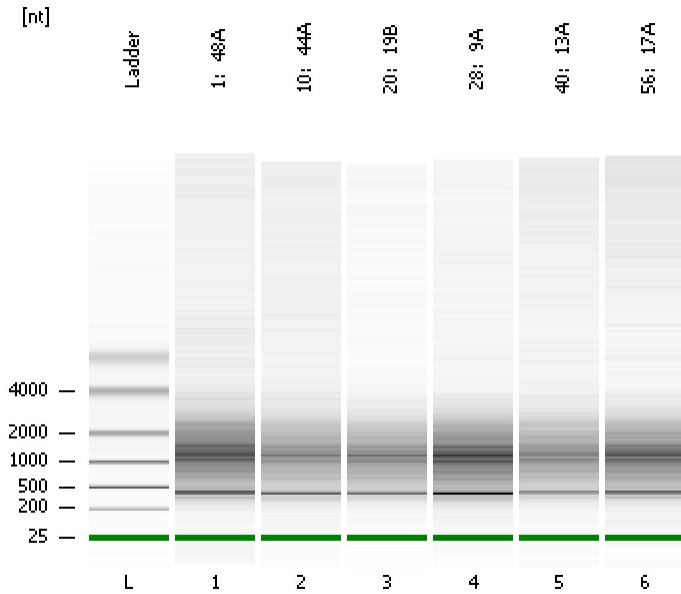


Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

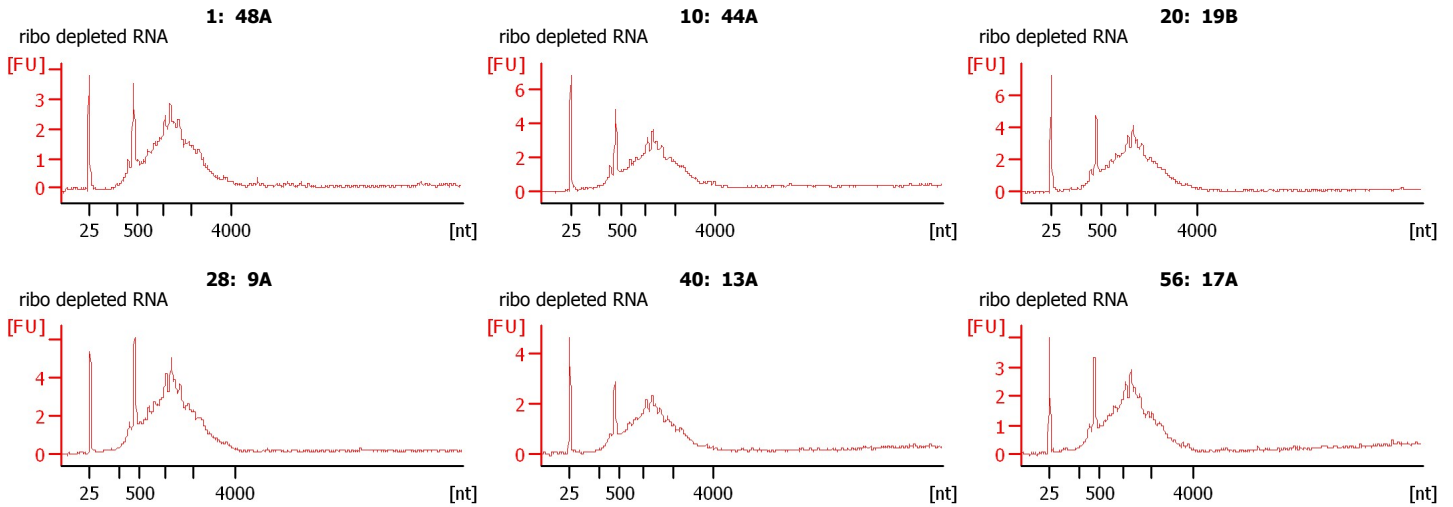
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1: 48A	ribo depleted RNA	✓		
10: 44A	ribo depleted RNA	✓		
20: 19B	ribo depleted RNA	✓		
28: 9A	ribo depleted RNA	✓		
40: 13A	ribo depleted RNA	✓		
56: 17A	ribo depleted RNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 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

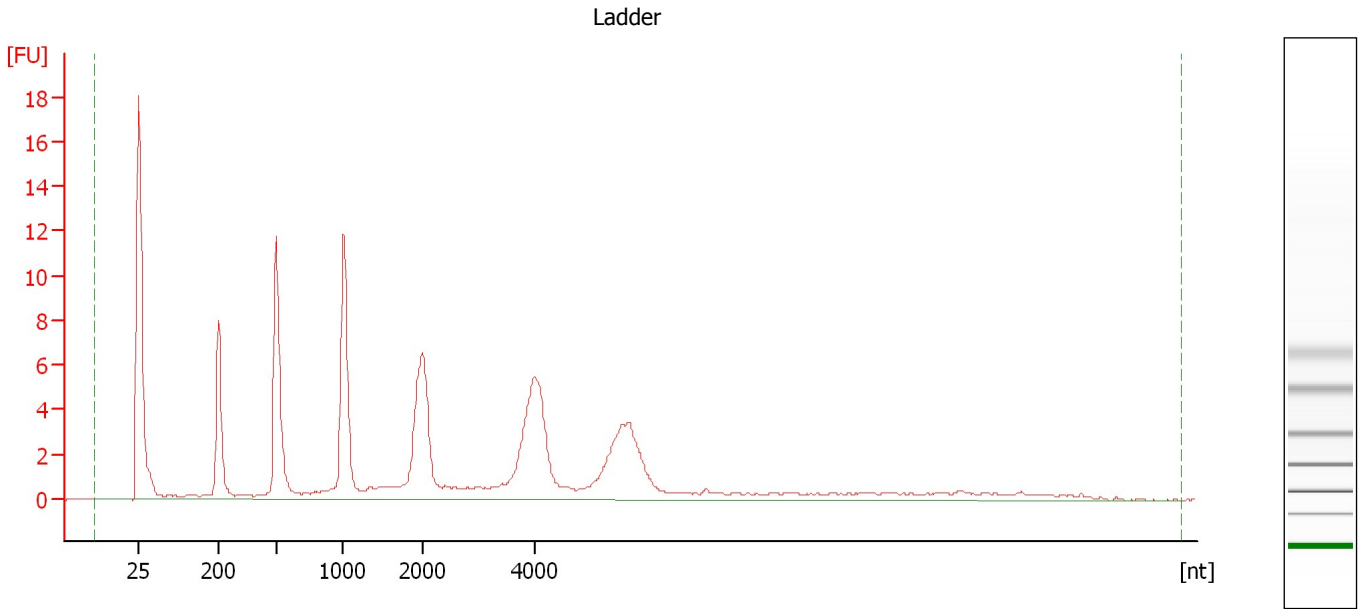
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary



Overall Results for Ladder

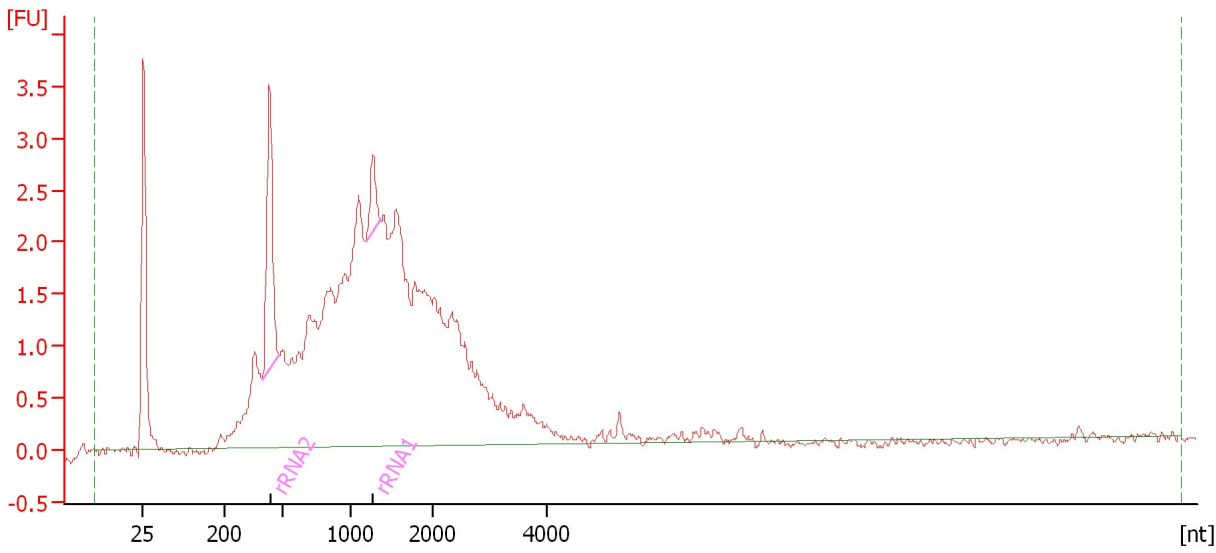
RNA Area: 139.4 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
 Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

1: 48A [ribo depleted RNA]



Overall Results for sample 1 : 1: 48A

RNA Area: 71.6 rRNA Contamination: 7.0 %
 RNA Concentration: 514 pg/μl

Fragment table for sample 1 : 1: 48A

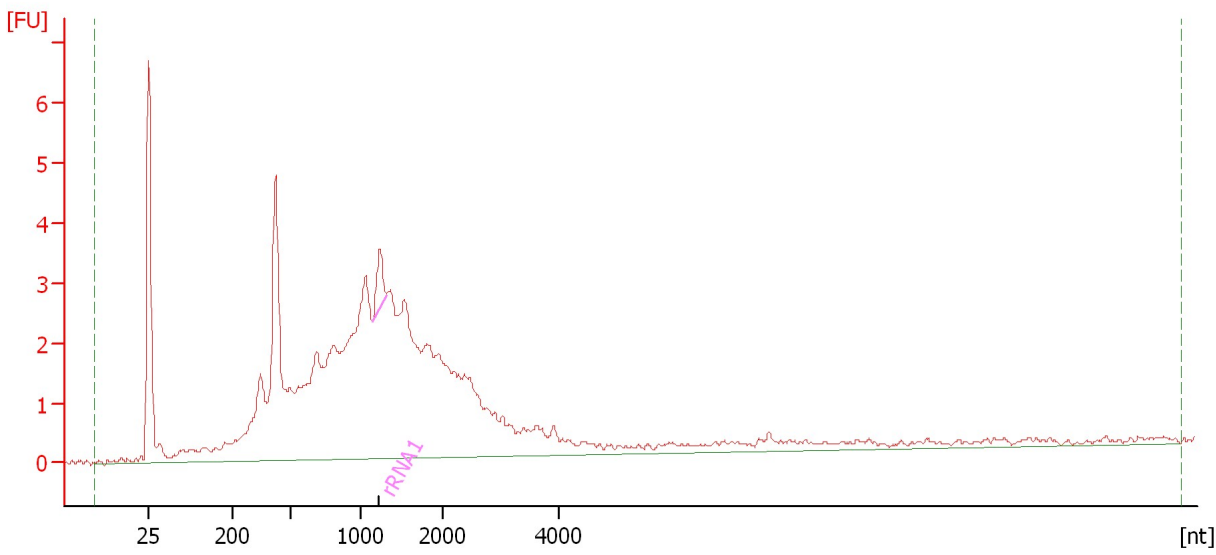
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	392	480	4.1	5.8
rRNA1	1,177	1,356	0.9	1.2

Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
 Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

10: 44A [ribo depleted RNA]



Overall Results for sample 2 : 10: 44A

RNA Area: 100.7 rRNA Contamination: 1.2 %
 RNA Concentration: 722 pg/μl

Fragment table for sample 2 : 10: 44A

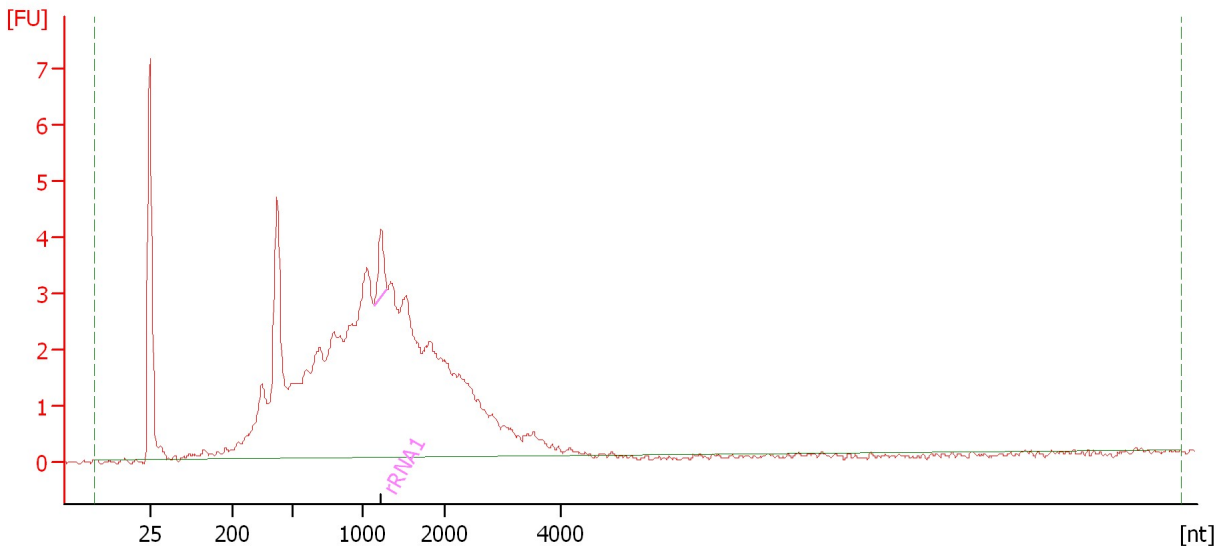
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,147	1,313	1.2	1.2

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

20: 19B [ribo depleted RNA]



Overall Results for sample 3 : 20: 19B

RNA Area: 96.7 rRNA Contamination: 1.4 %
RNA Concentration: 694 pg/μl

Fragment table for sample 3 : 20: 19B

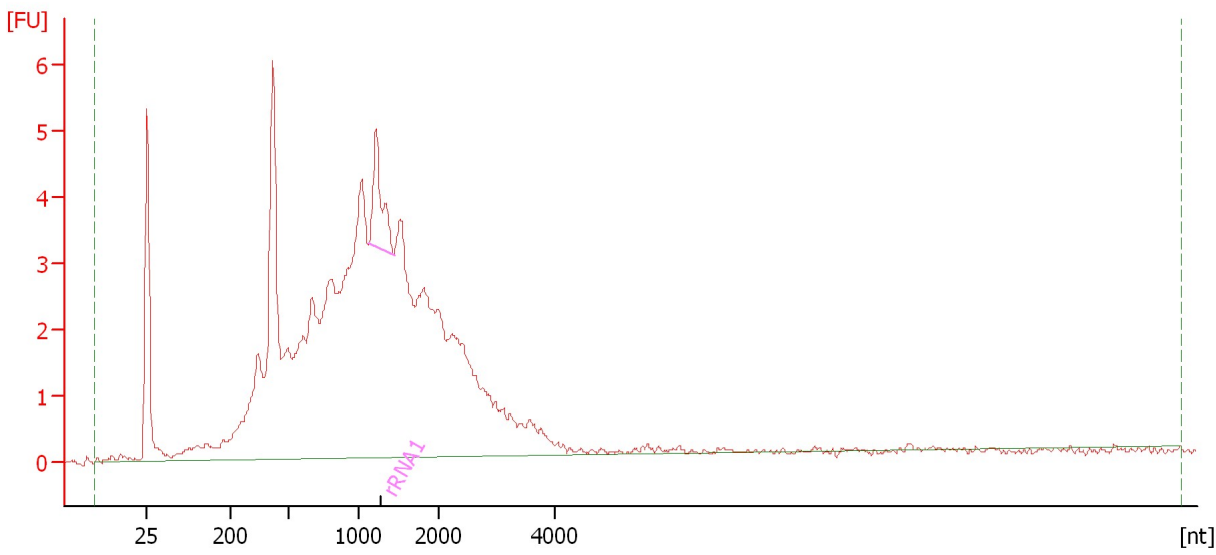
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,140	1,305	1.4	1.4

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

28: 9A [ribo depleted RNA]



Overall Results for sample 4 : 28: 9A

RNA Area: 124.8 rRNA Contamination: 2.6 %
RNA Concentration: 895 pg/μl

Fragment table for sample 4 : 28: 9A

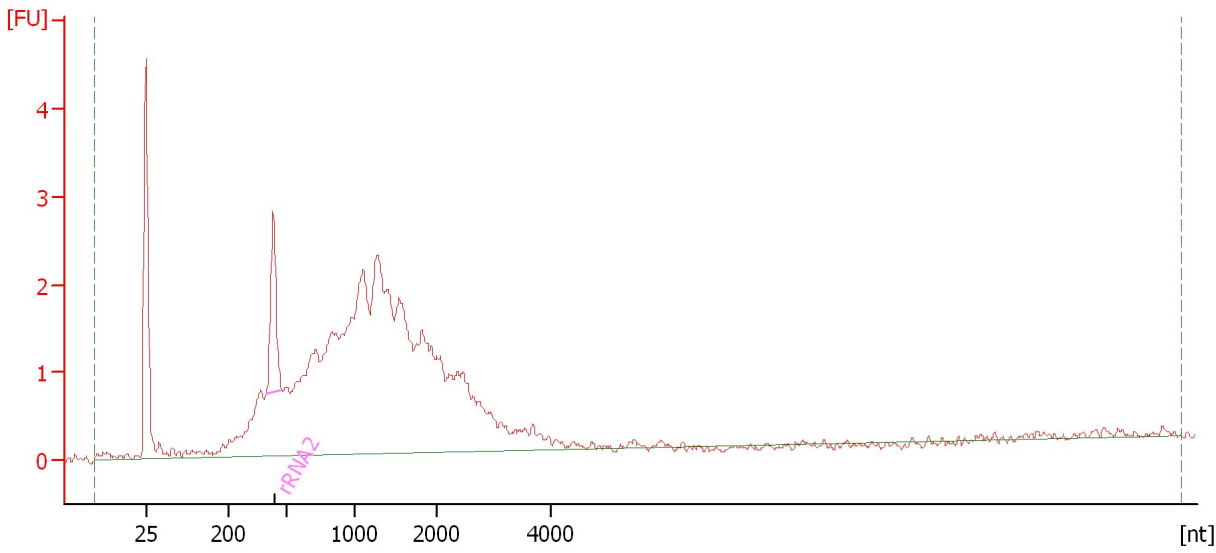
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,131	1,436	3.2	2.6

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

40: 13A [ribo depleted RNA]



Overall Results for sample 5 : 40: 13A

RNA Area: 62.2 rRNA Contamination: 4.8 %
RNA Concentration: 446 pg/μl

Fragment table for sample 5 : 40: 13A

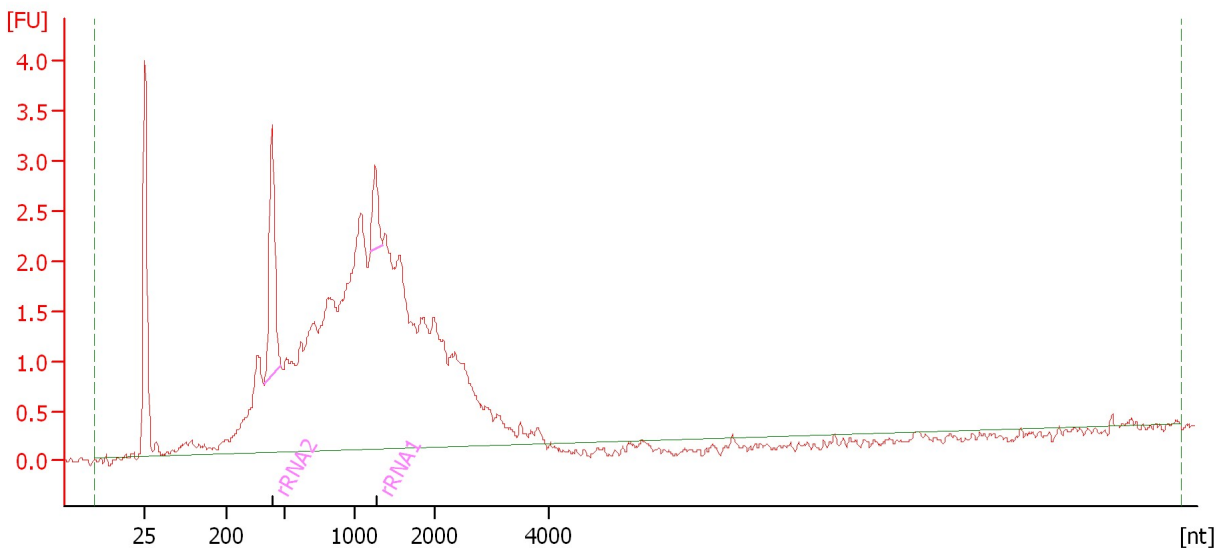
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	396	478	3.0	4.8

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Electropherogram Summary Continued ...

56: 17A [ribo depleted RNA]



Overall Results for sample 6 : 56: 17A

RNA Area: 65.3 rRNA Contamination: 7.2 %
RNA Concentration: 469 pg/μl

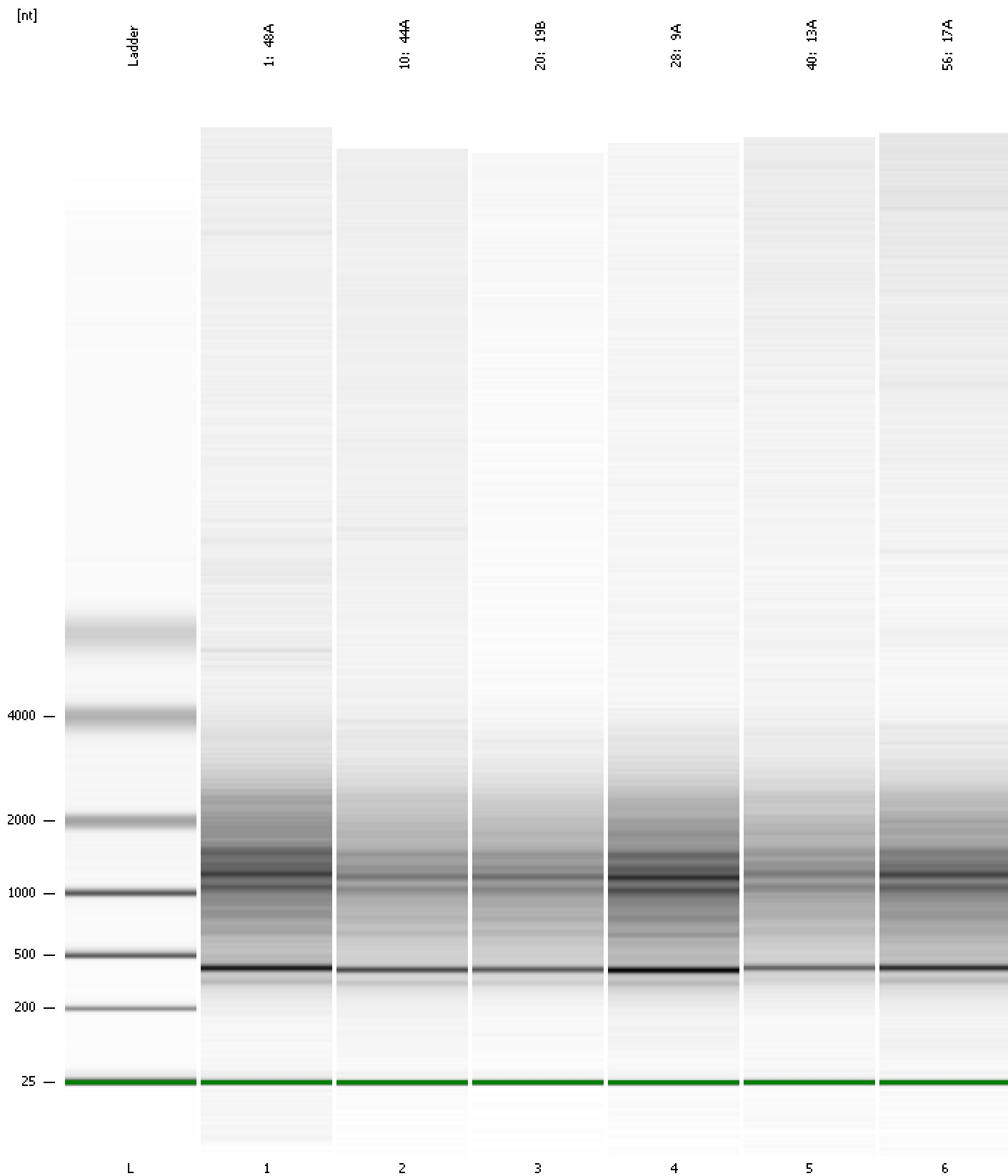
Fragment table for sample 6 : 56: 17A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	393	480	3.7	5.7
rRNA1	1,192	1,351	1.0	1.5

Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Gel Image

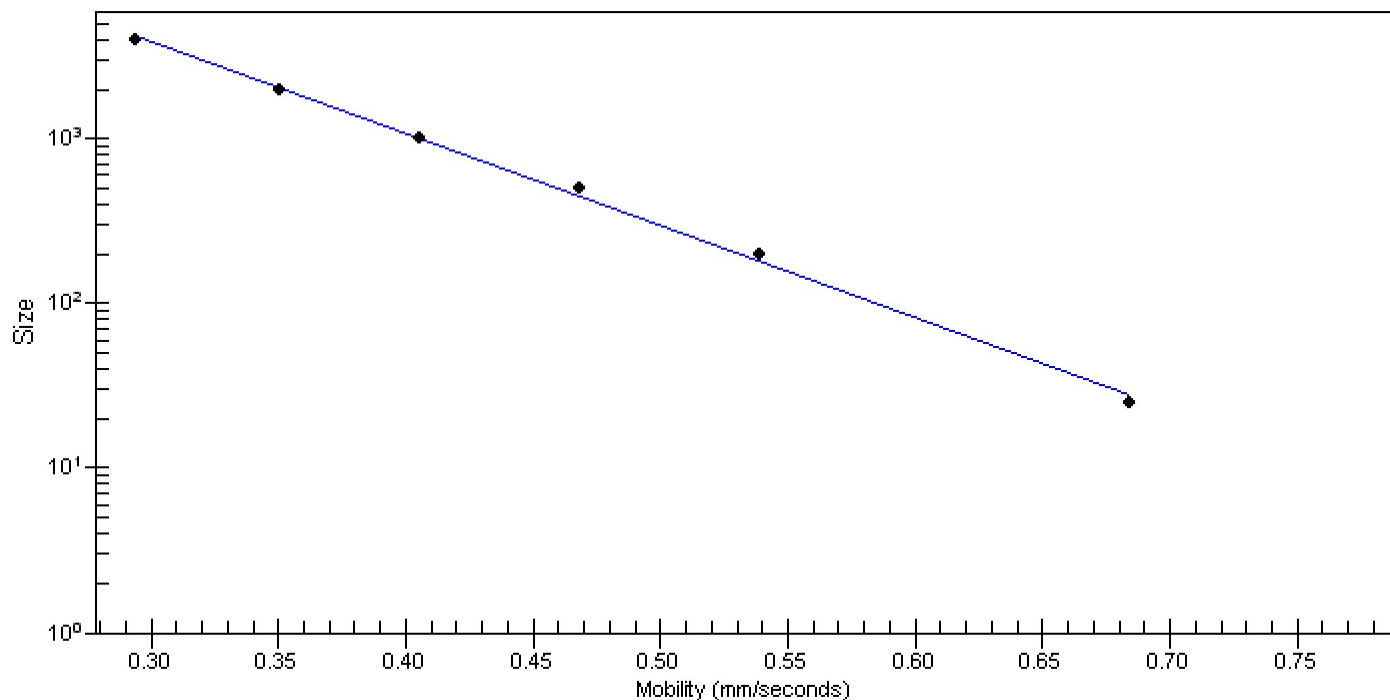


Assay Class: mRNA Pico
Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:14 PM

Curves

Standard Curve



Assay Class: mRNA Pico
 Data Path: C:\...data\2016-04-19\2016-04-19_003_HiSeq466_RiboDepletedRNA.xad

Created: 4/19/2016 4:26:39 PM
 Modified: 4/19/2016 4:53:14 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		4/19/2016 4:52:32 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\2016-04-19\2016-04-19_003.xad)		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1