

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
Modified: 6/12/2016 3:28:50 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

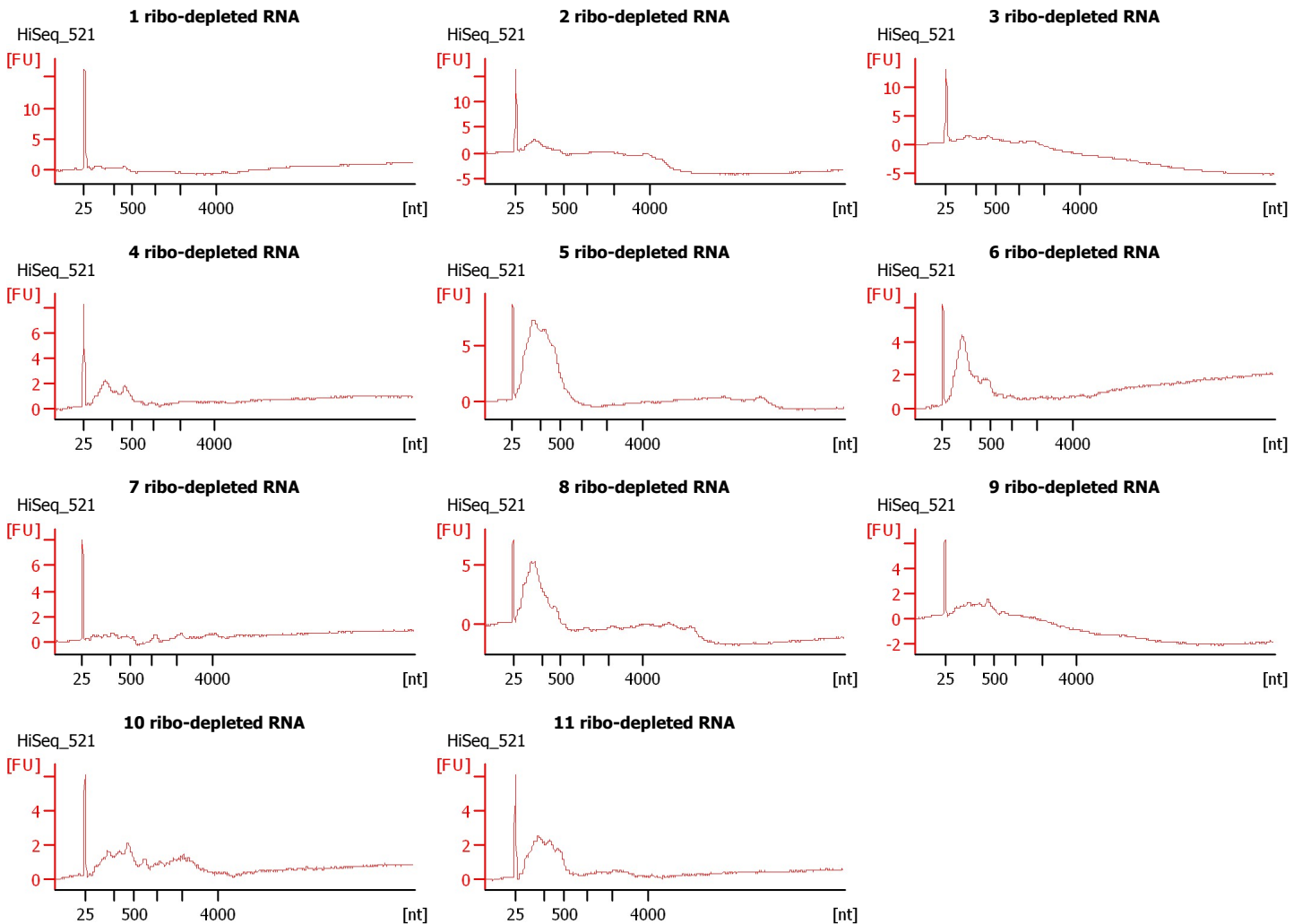
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1 ribo-depleted RNA	HiSeq_521	✓		
2 ribo-depleted RNA	HiSeq_521	✓		
3 ribo-depleted RNA	HiSeq_521	✓		
4 ribo-depleted RNA	HiSeq_521	✓		
5 ribo-depleted RNA	HiSeq_521	✓		
6 ribo-depleted RNA	HiSeq_521	✓		
7 ribo-depleted RNA	HiSeq_521	✓		
8 ribo-depleted RNA	HiSeq_521	✓		
9 ribo-depleted RNA	HiSeq_521	✓		
10 ribo-depleted RNA	HiSeq_521	✓		
11 ribo-depleted RNA	HiSeq_521	✓		
Ladder		✓		

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

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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

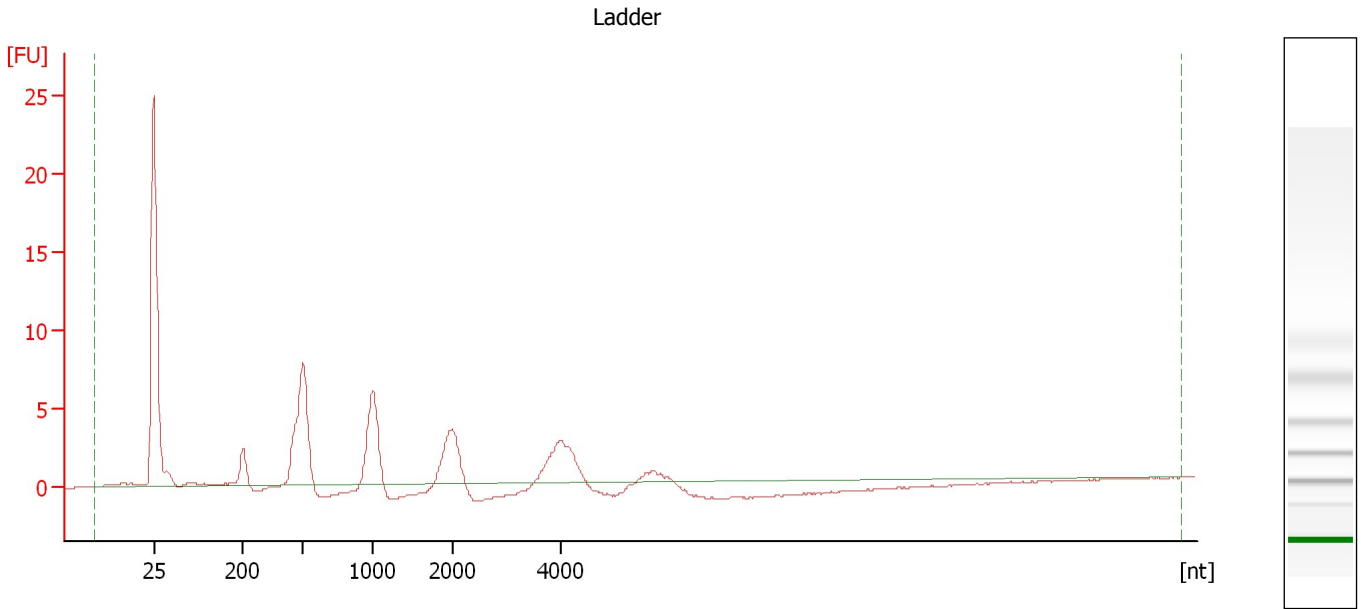
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

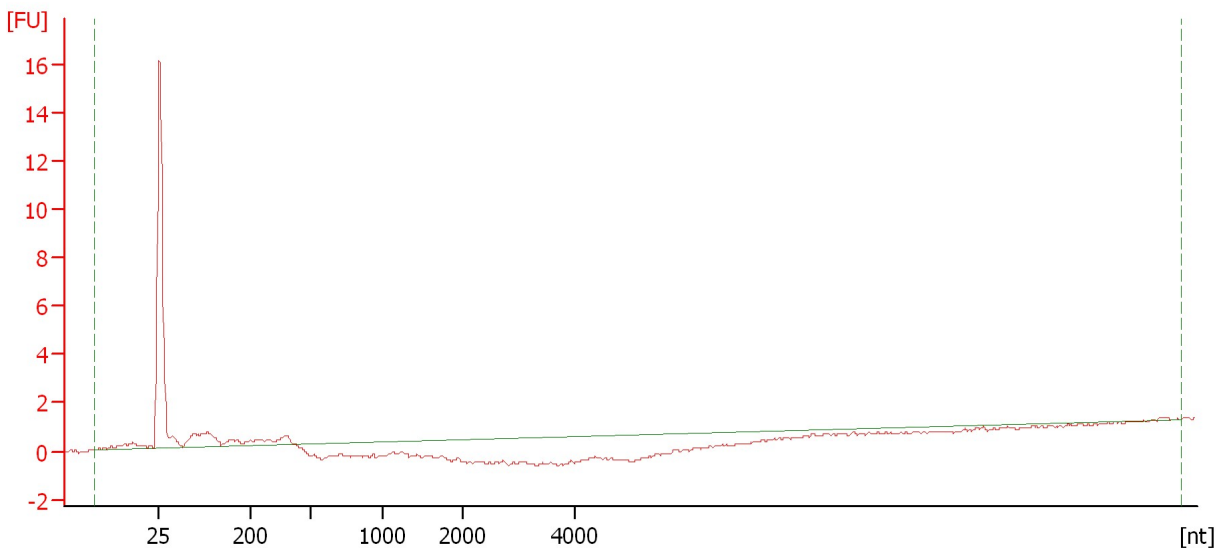
RNA Area: 65.6 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

1 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 1 : 1 ribo-depleted RNA

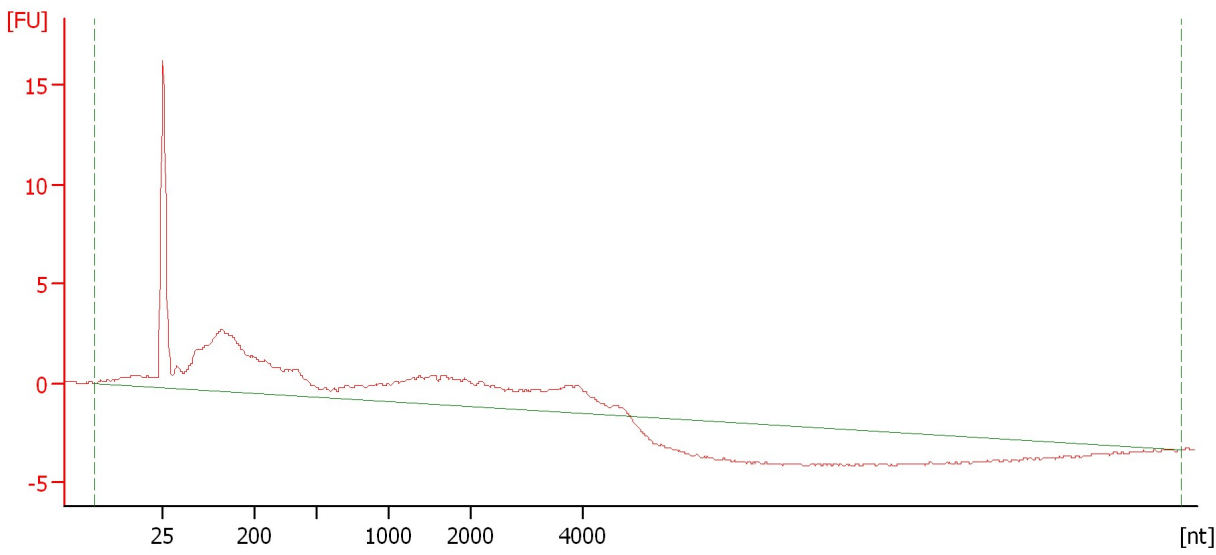
RNA Area: 10.6 rRNA Contamination: 0.0 %
RNA Concentration: 162 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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Electropherogram Summary Continued ...

2 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 2 : 2 ribo-depleted RNA

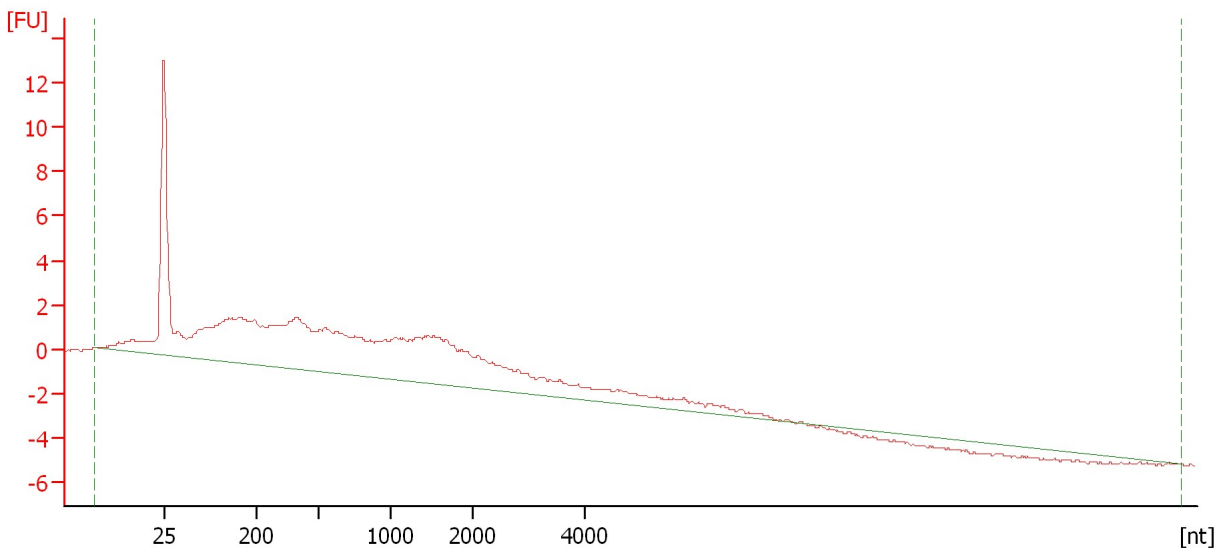
RNA Area: 114.4 rRNA Contamination: 0.0 %
RNA Concentration: 1,743 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
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Electropherogram Summary Continued ...

3 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 3 : 3 ribo-depleted RNA

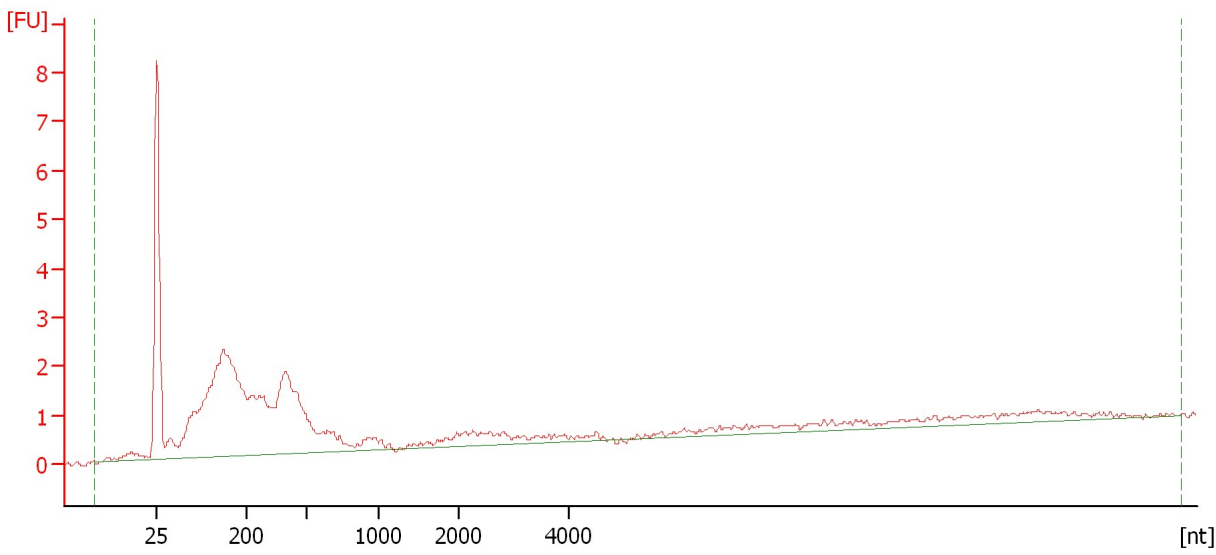
RNA Area: 143.6 rRNA Contamination: 0.0 %
RNA Concentration: 2,188 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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Electropherogram Summary Continued ...

4 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 4 : 4 ribo-depleted RNA

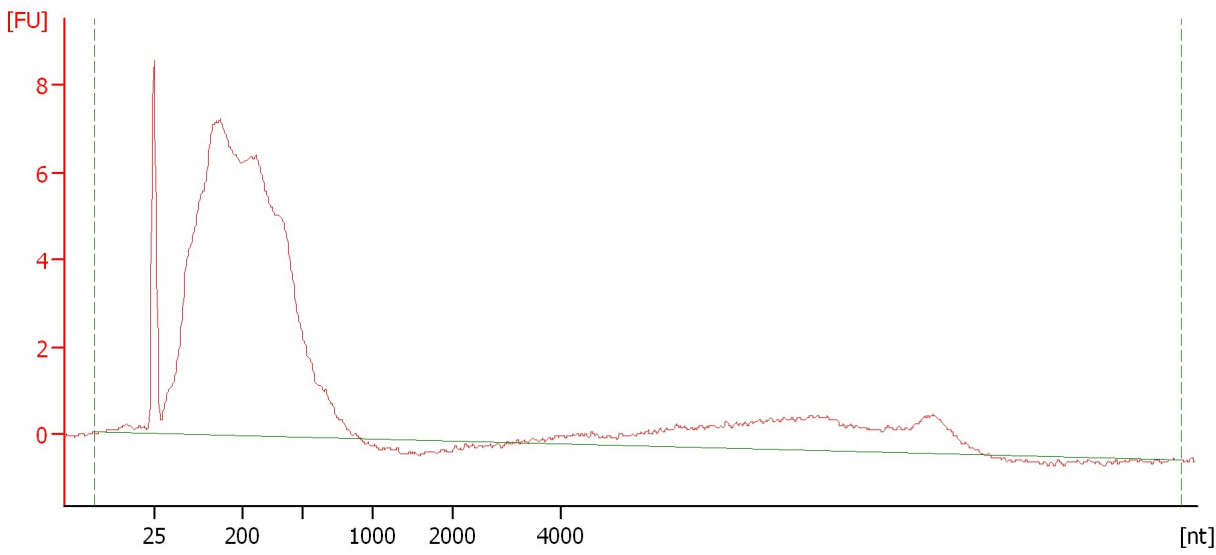
RNA Area: 57.6 rRNA Contamination: 0.0 %
RNA Concentration: 877 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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Electropherogram Summary Continued ...

5 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 5 : 5 ribo-depleted RNA

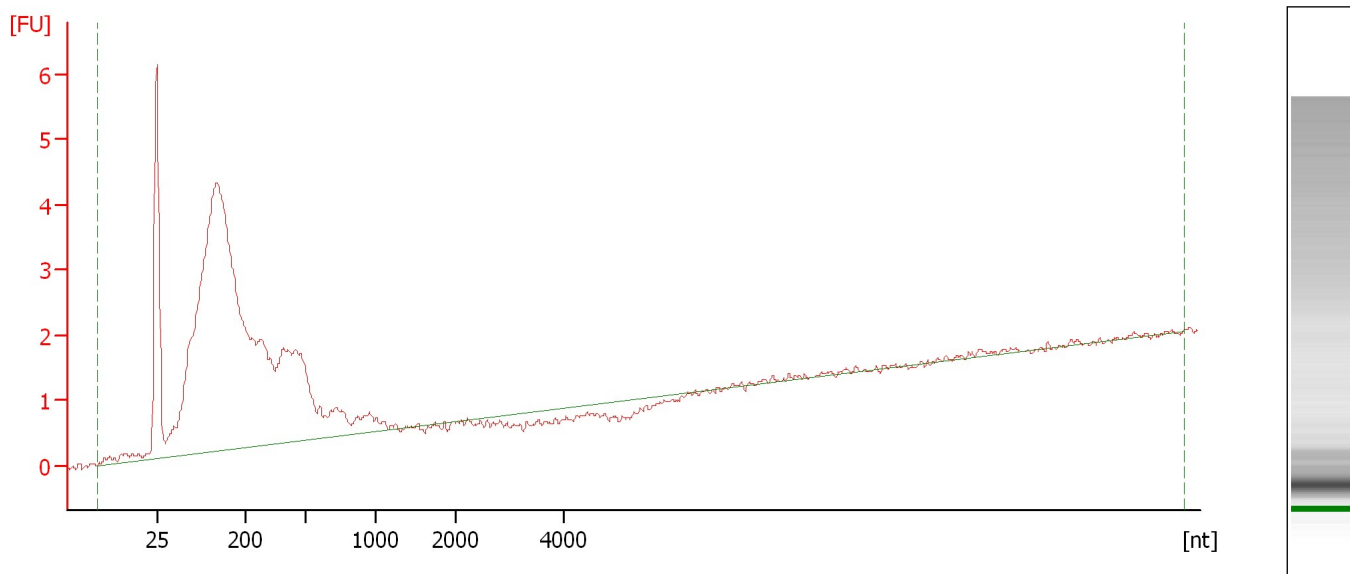
RNA Area: 210.3 rRNA Contamination: 0.0 %
RNA Concentration: 3,205 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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Electropherogram Summary Continued ...

6 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 6 : 6 ribo-depleted RNA

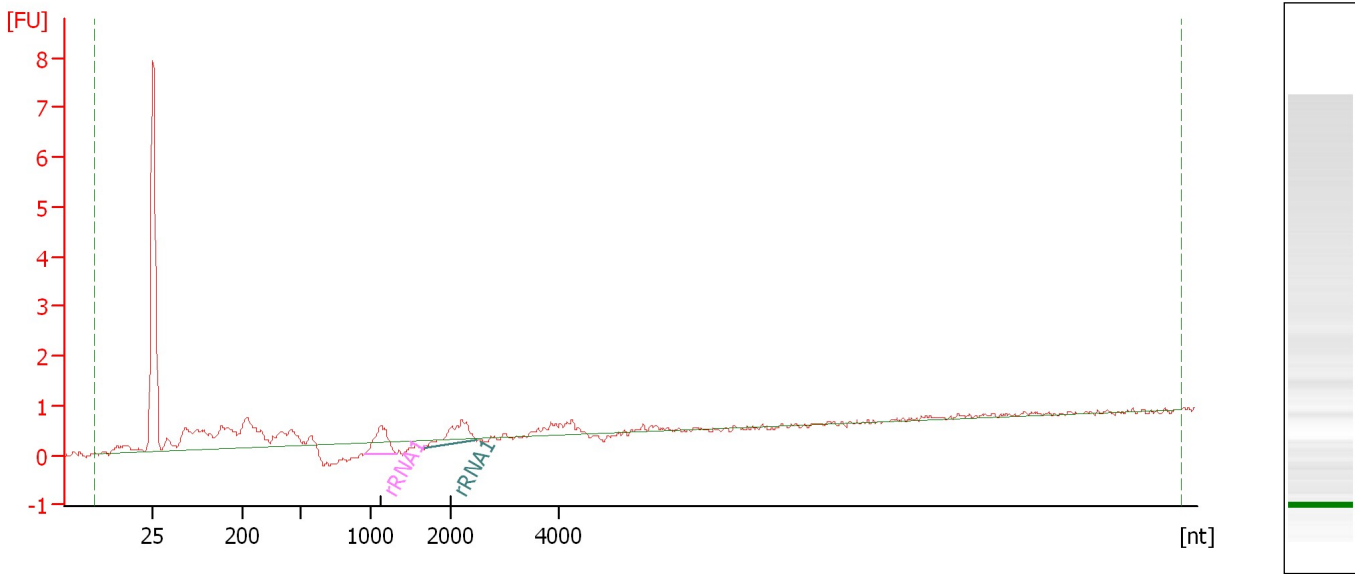
RNA Area: 76.1 rRNA Contamination: 0.0 %
RNA Concentration: 1,160 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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Electropherogram Summary Continued ...

7 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 7 : 7 ribo-depleted RNA

RNA Area: 16.9 rRNA Contamination: 19.9 %
RNA Concentration: 257 pg/μl

Fragment table for sample 7 : 7 ribo-depleted RNA

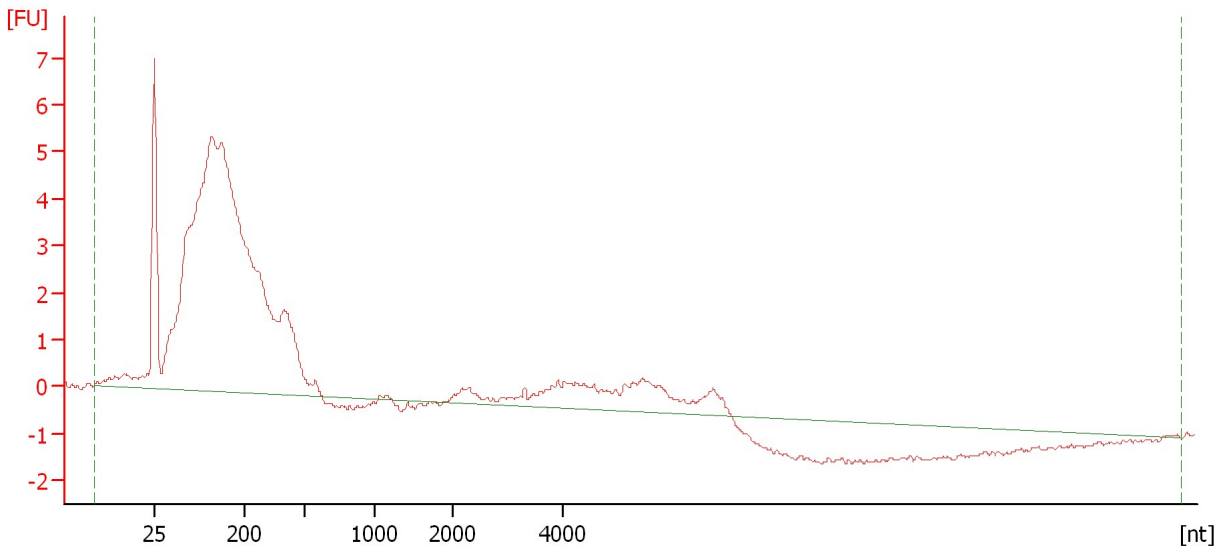
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	952	1,310	1.7	9.9
rRNA1	1,675	2,467	1.7	10.0

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

8 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 8 : 8 ribo-depleted RNA

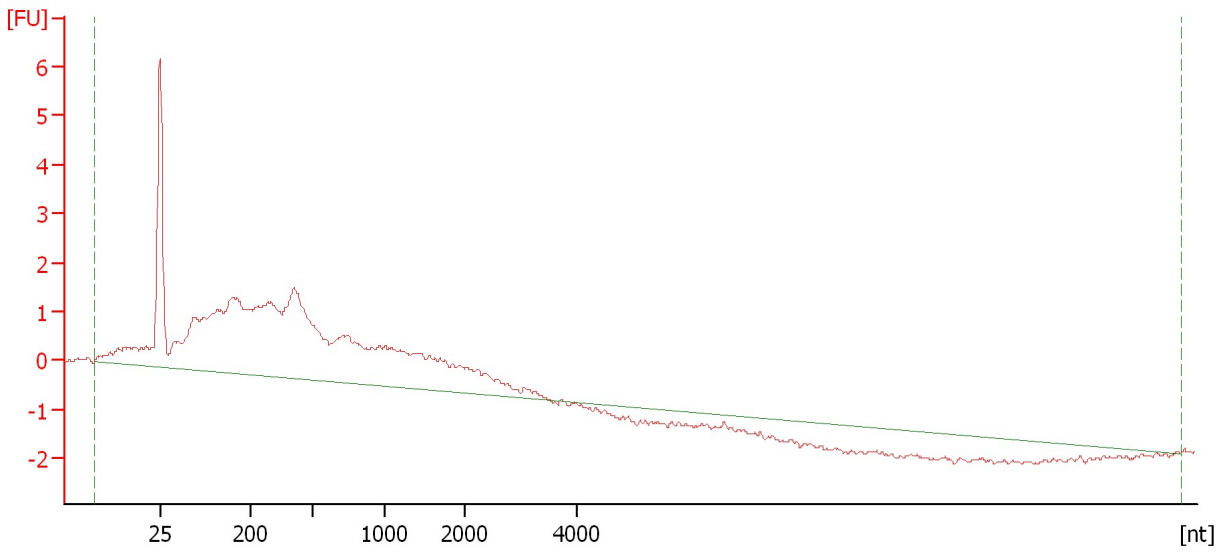
RNA Area: 122.5 rRNA Contamination: 0.0 %
RNA Concentration: 1,867 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
Modified: 6/12/2016 3:28:50 PM

Electropherogram Summary Continued ...

9 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 9 : 9 ribo-depleted RNA

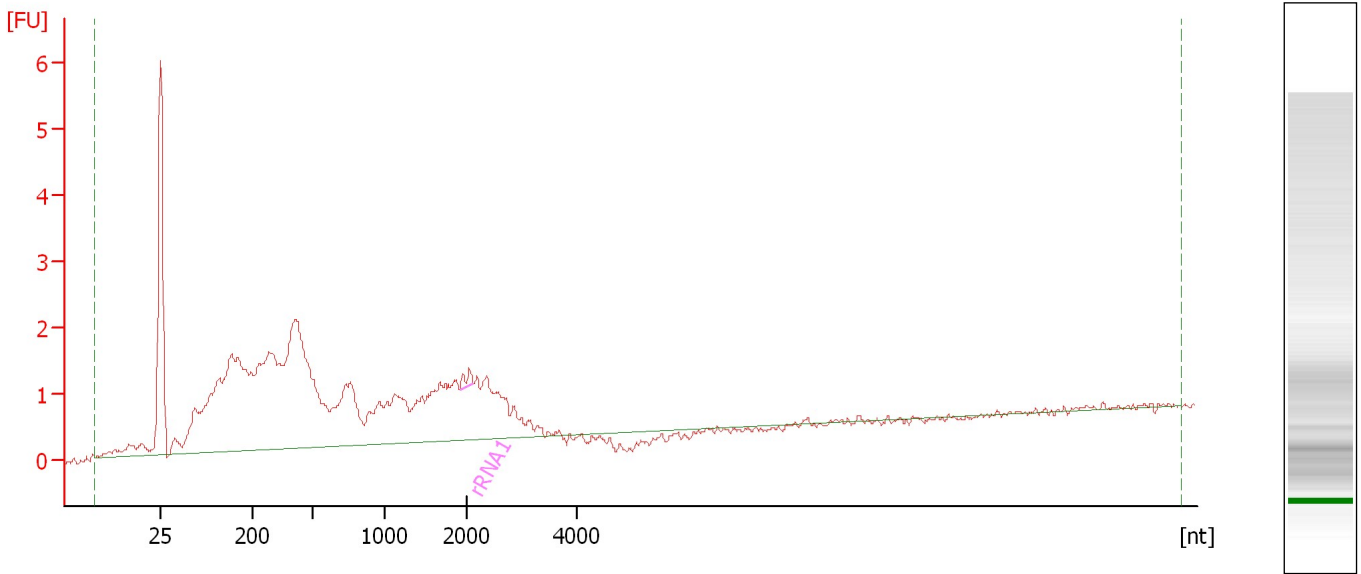
RNA Area: 75.3 rRNA Contamination: 0.0 %
RNA Concentration: 1,148 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
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Electropherogram Summary Continued ...

10 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 10 : 10 ribo-depleted RNA

RNA Area: 64.2 rRNA Contamination: 0.5 %
RNA Concentration: 979 pg/μl

Fragment table for sample 10 : 10 ribo-depleted RNA

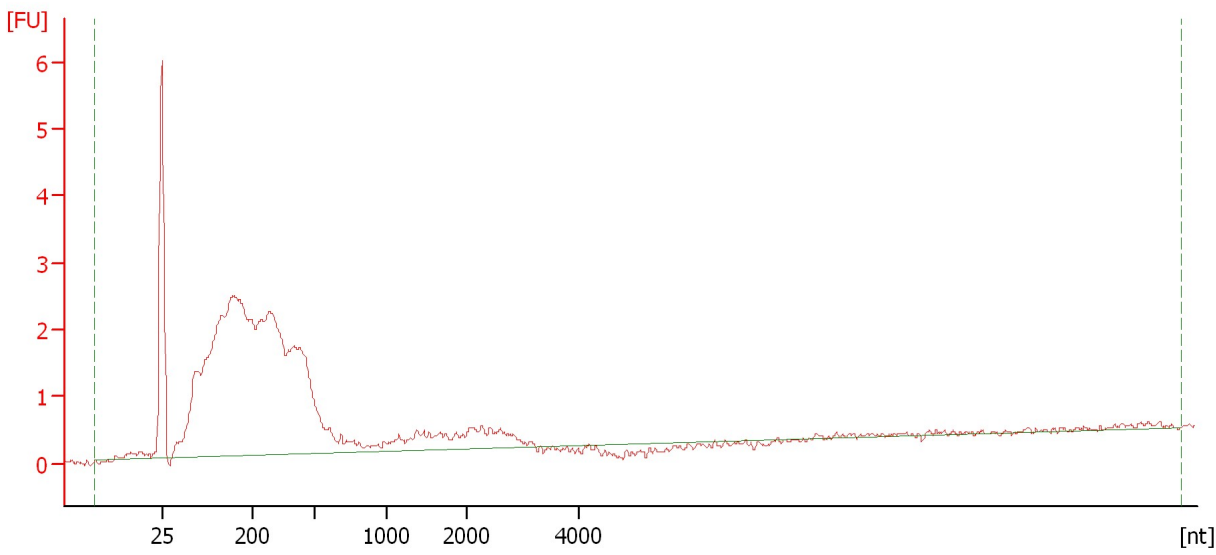
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,925	2,134	0.3	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
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Electropherogram Summary Continued ...

11 ribo-depleted RNA [HiSeq_521]



Overall Results for sample 11 : 11 ribo-depleted RNA

RNA Area: 65.2 rRNA Contamination: 0.0 %
RNA Concentration: 994 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

Created: 6/12/2016 3:02:57 PM
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Gel Image

Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-12\2016-06-12_001.xad

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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		6/12/2016 3:28:49 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\2016-06-12\2016-06-12_001.xad)		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/12/2016 3:03:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1