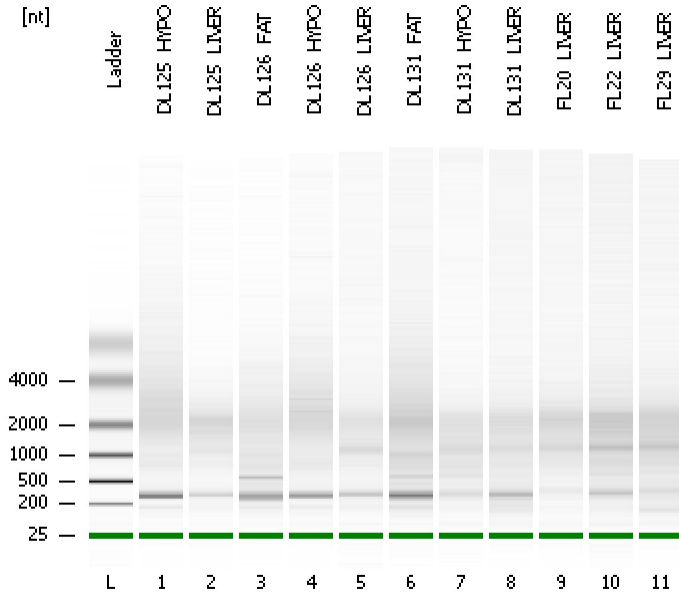


Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

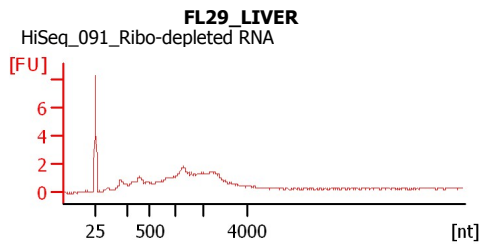
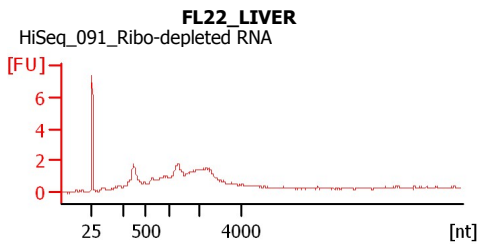
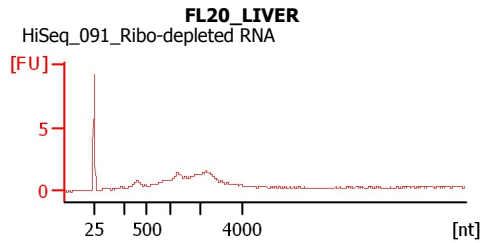
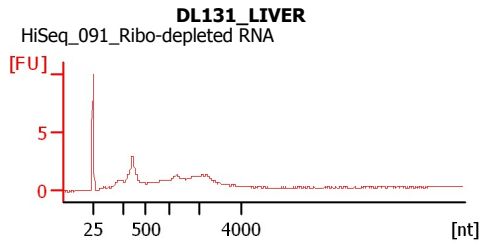
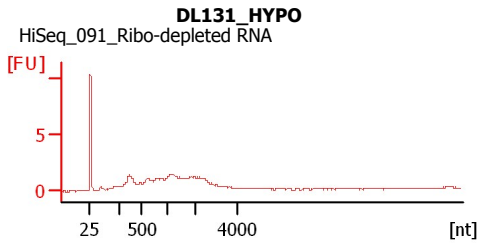
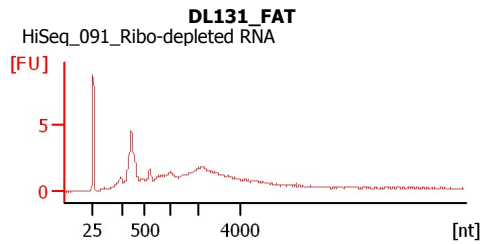
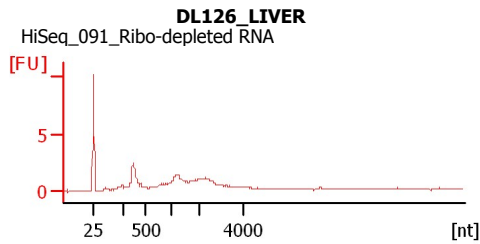
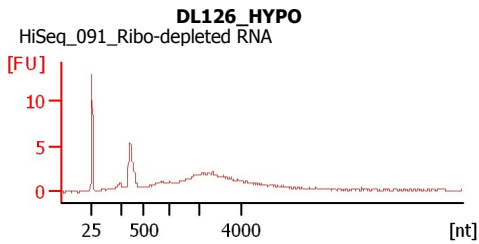
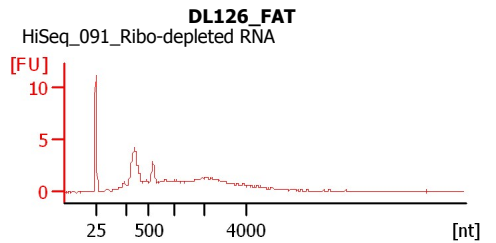
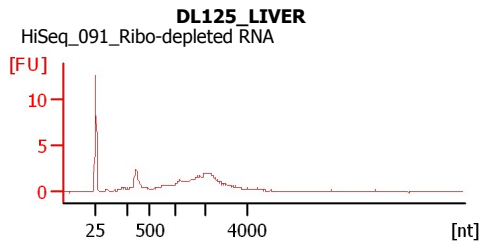
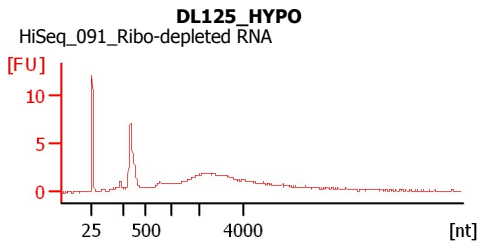
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
DL125_HYPO	HiSeq_091_Ribo-depleted RNA	✓		
DL125_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
DL126_FAT	HiSeq_091_Ribo-depleted RNA	✓		
DL126_HYPO	HiSeq_091_Ribo-depleted RNA	✓		
DL126_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
DL131_FAT	HiSeq_091_Ribo-depleted RNA	✓		
DL131_HYPO	HiSeq_091_Ribo-depleted RNA	✓		
DL131_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
FL20_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
FL22_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
FL29_LIVER	HiSeq_091_Ribo-depleted RNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 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/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

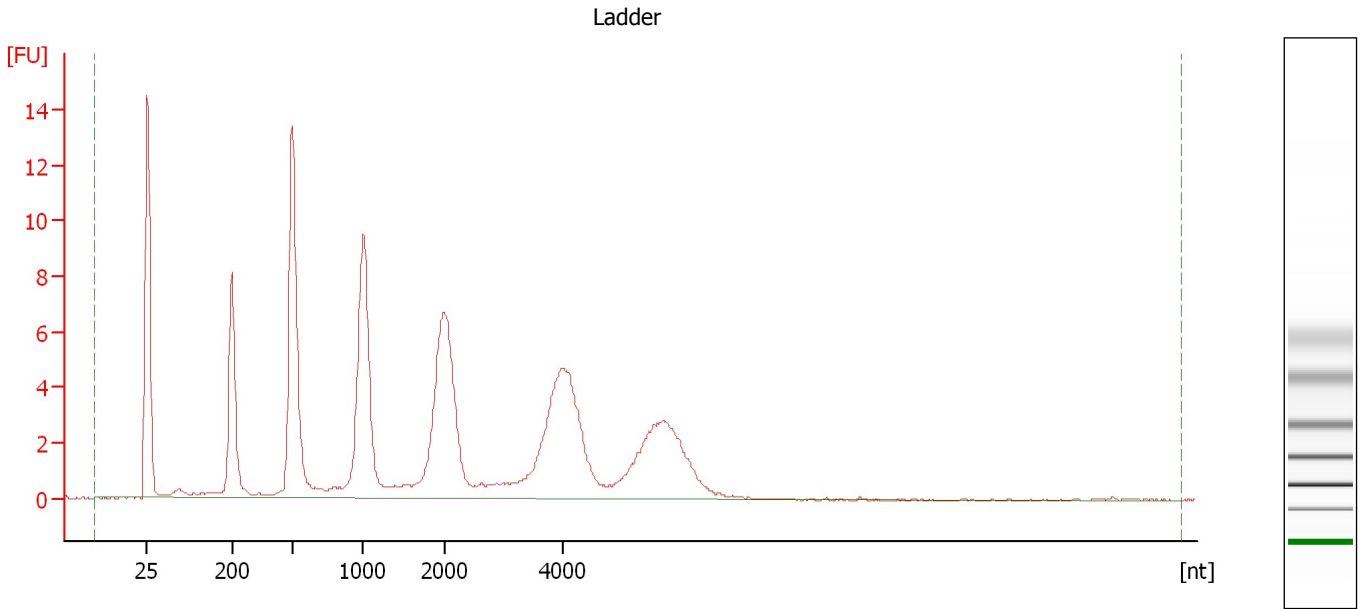
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary



Overall Results for Ladder

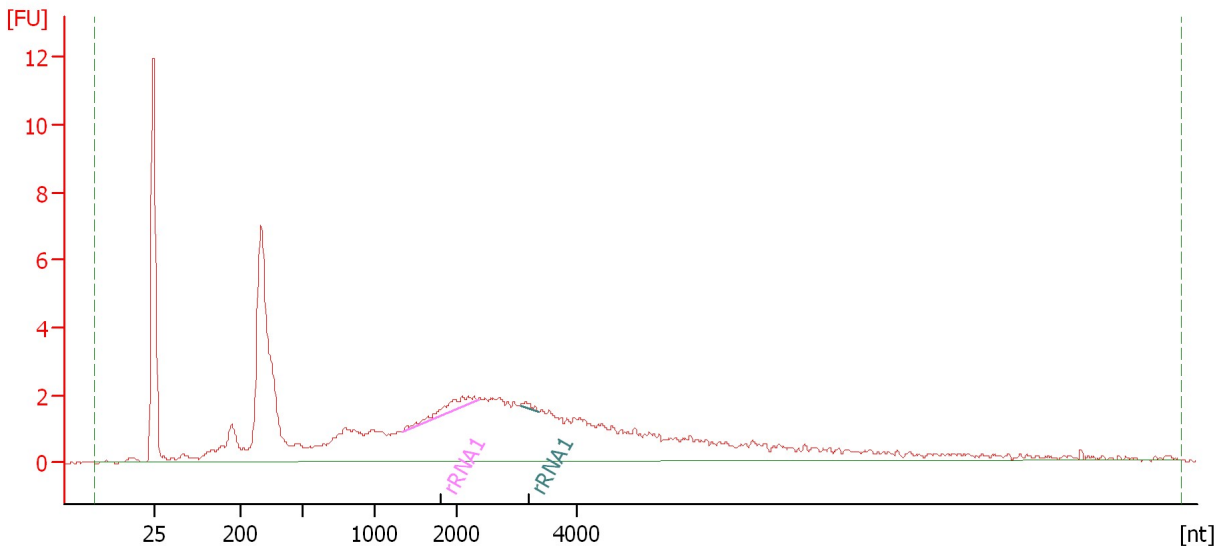
RNA Area: 157.0 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL125_HYPO [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 1 : DL125_HYPO

RNA Area: 115.3 rRNA Contamination: 1.6 %
RNA Concentration: 735 pg/μl

Fragment table for sample 1 : DL125_HYPO

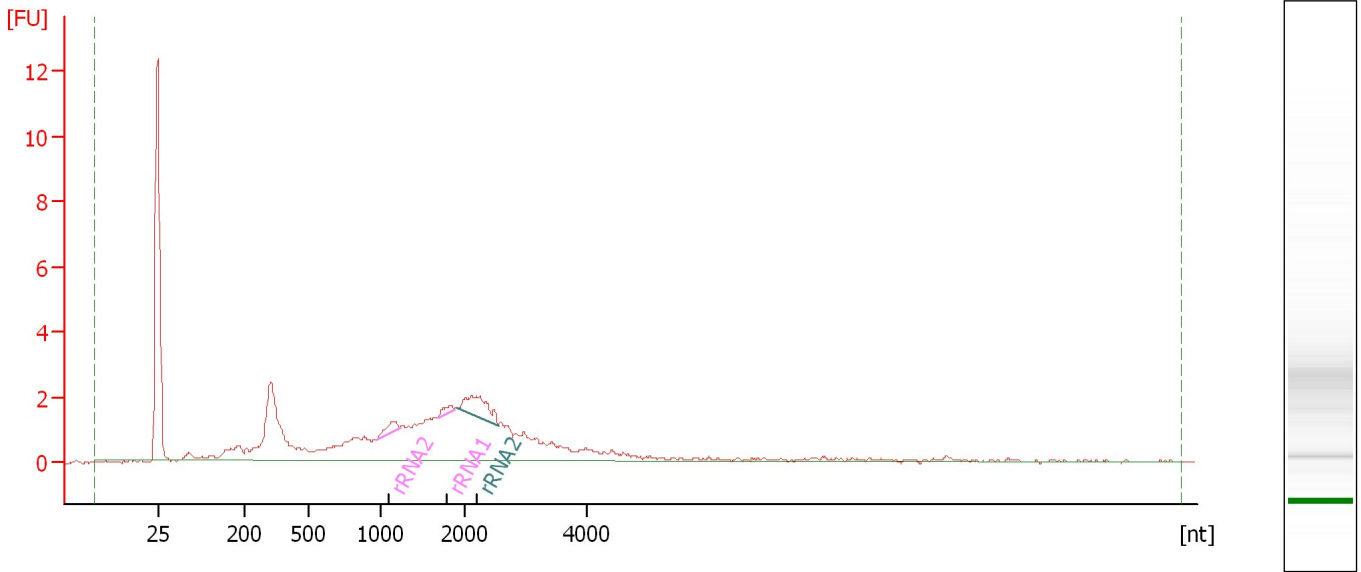
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,333	2,361	1.6	1.4
rRNA1	3,062	3,367	0.3	0.2

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL125_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 2 : DL125_LIVER

RNA Area: 63.7 rRNA Contamination: 5.9 %
RNA Concentration: 406 pg/μl

Fragment table for sample 2 : DL125_LIVER

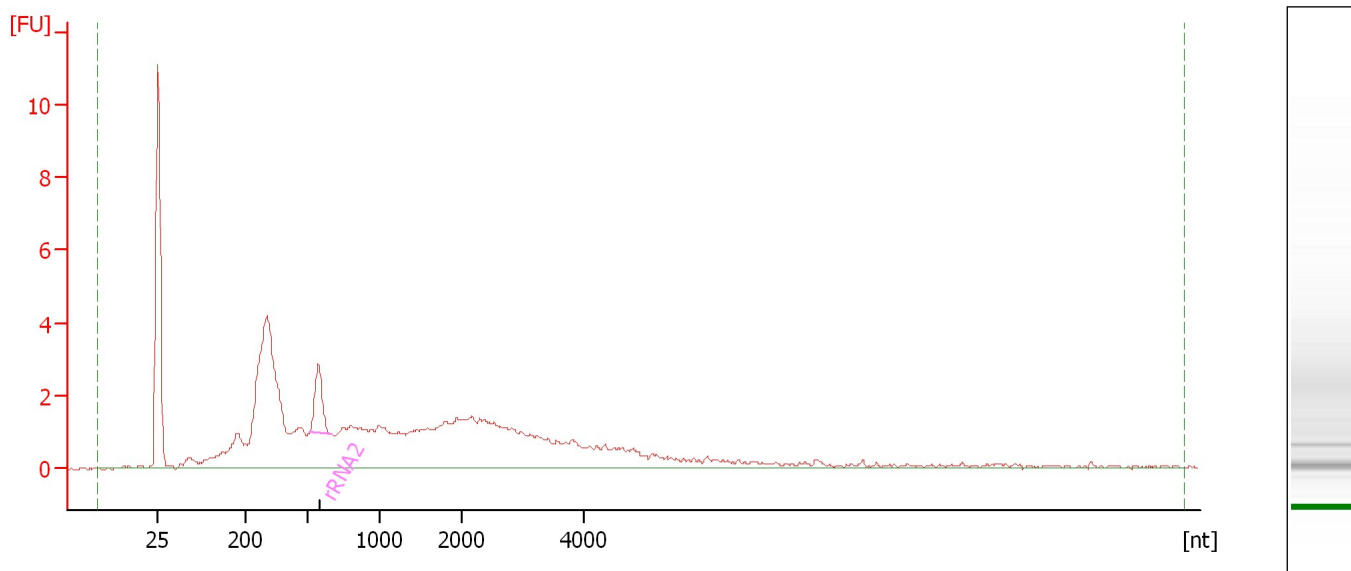
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	966	1,228	0.7	1.2
rRNA1	1,688	1,879	0.4	0.6
rRNA2	1,918	2,554	2.6	4.1

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL126_FAT [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 3 : DL126_FAT

RNA Area: 97.0 rRNA Contamination: 3.4 %
RNA Concentration: 618 pg/μl

Fragment table for sample 3 : DL126_FAT

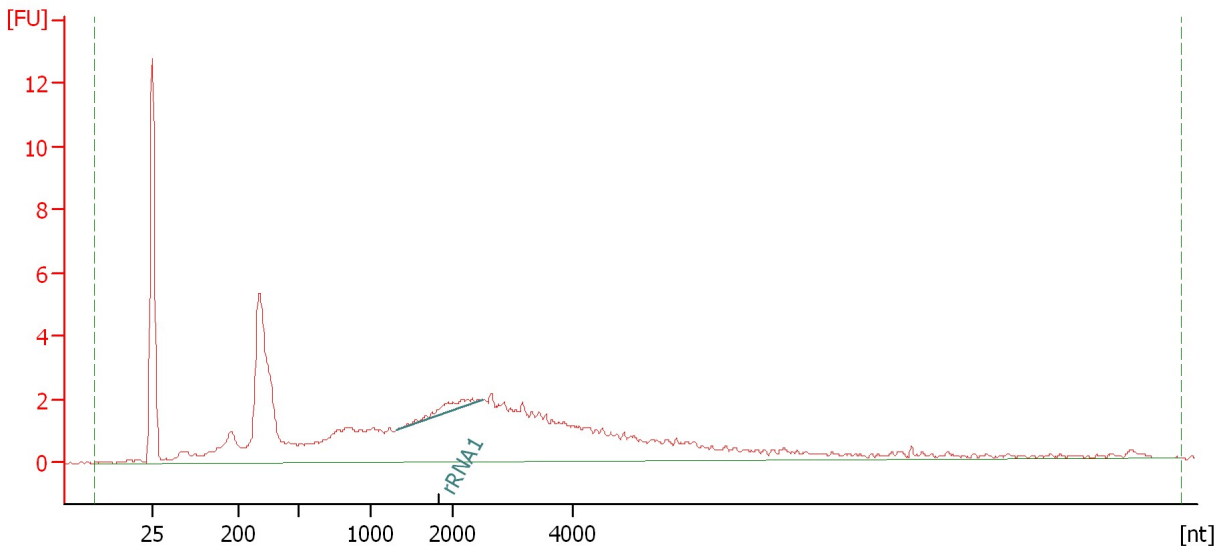
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	523	665	3.3	3.4

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL126_HYPO [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 4 : DL126_HYPO

RNA Area: 110.2 rRNA Contamination: 1.8 %
RNA Concentration: 702 pg/μl

Fragment table for sample 4 : DL126_HYPO

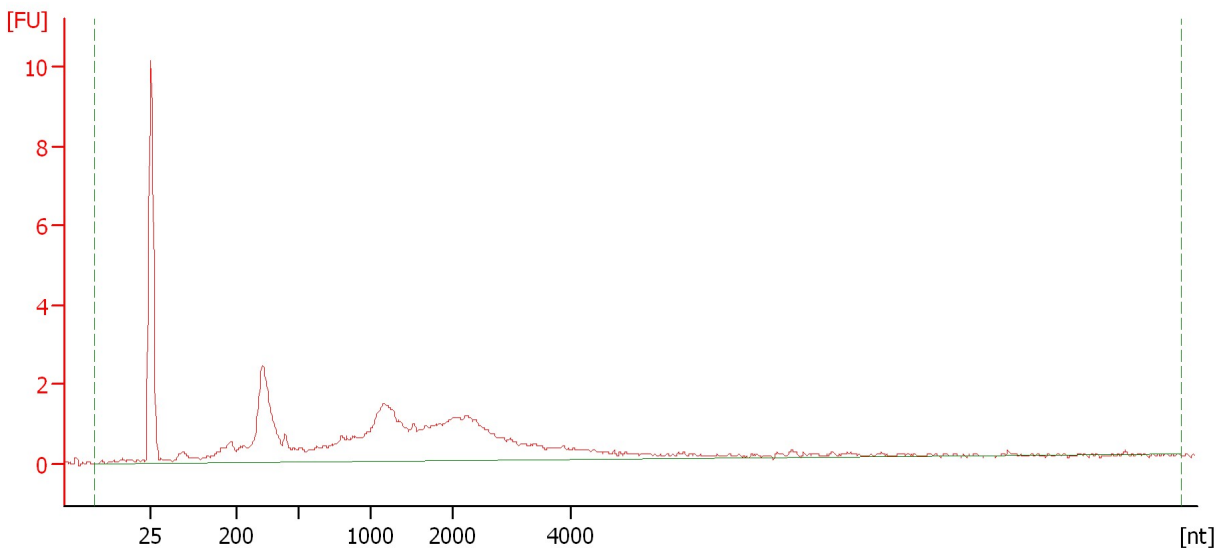
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,300	2,481	1.9	1.8

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL126_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 5 : DL126 LIVER

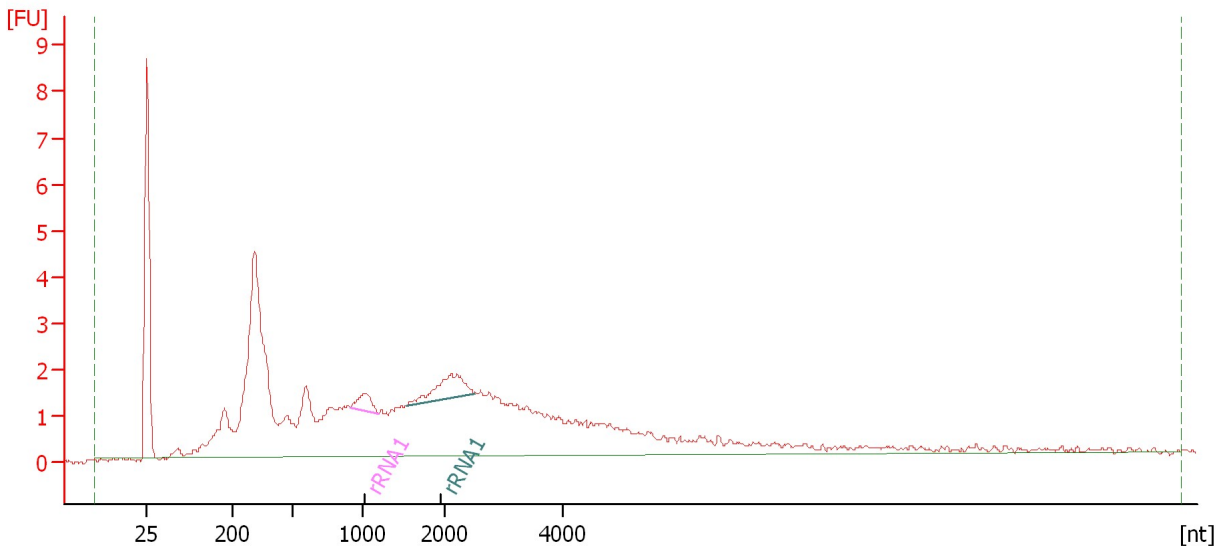
RNA Area: 53.6 rRNA Contamination: 0.0 %
RNA Concentration: 341 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL131_FAT [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 6 : DL131 FAT

RNA Area: 98.4 rRNA Contamination: 3.8 %
RNA Concentration: 627 pg/μl

Fragment table for sample 6 : DL131 FAT

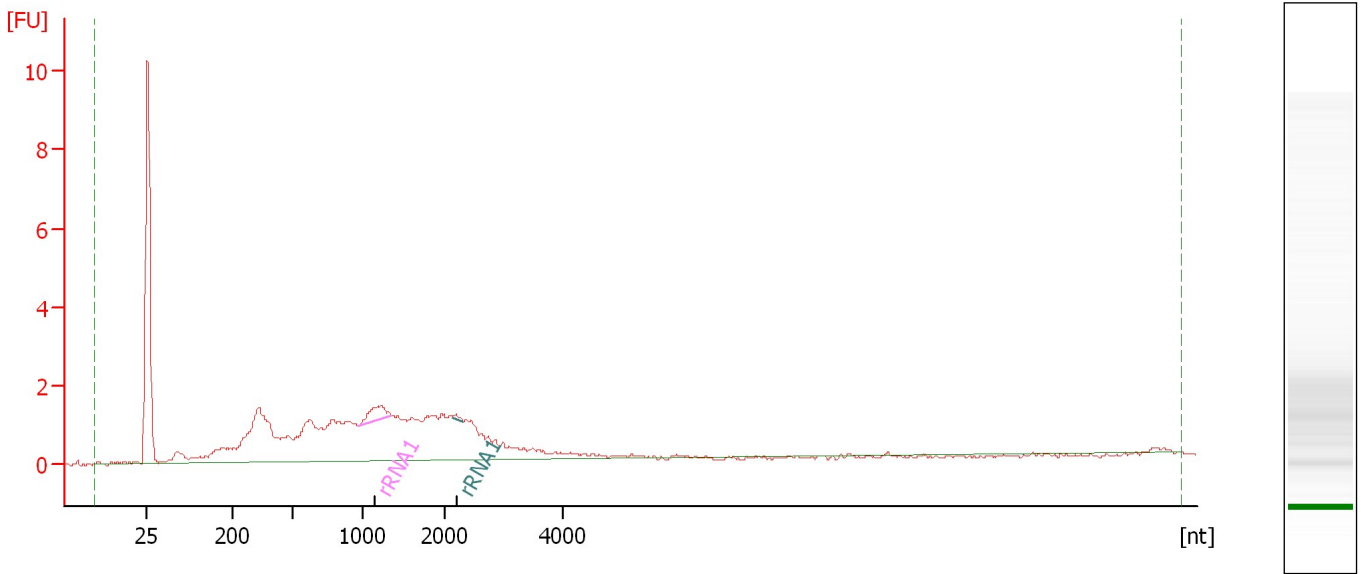
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	915	1,178	1.1	1.1
rRNA1	1,544	2,513	2.7	2.7

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL131_HYPO [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 7 : DL131_HYPO

RNA Area: 55.9 rRNA Contamination: 2.4 %
RNA Concentration: 356 pg/μl

Fragment table for sample 7 : DL131_HYPO

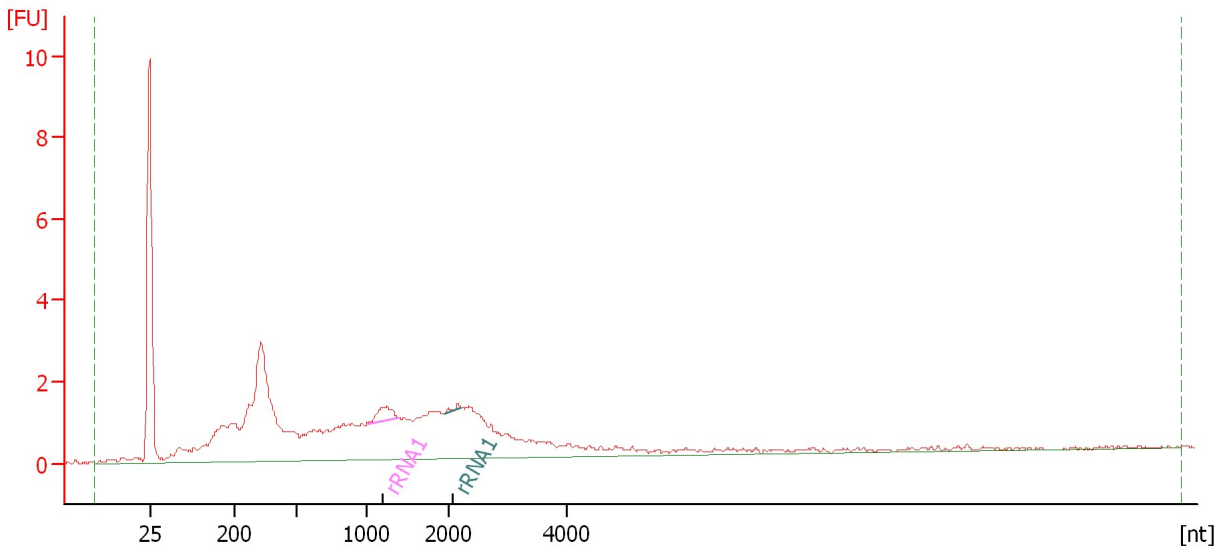
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	971	1,346	1.3	2.3
rRNA1	2,148	2,324	0.1	0.2

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

DL131_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 8 : DL131 LIVER

RNA Area: 71.3 rRNA Contamination: 1.7 %
RNA Concentration: 454 pg/μl

Fragment table for sample 8 : DL131 LIVER

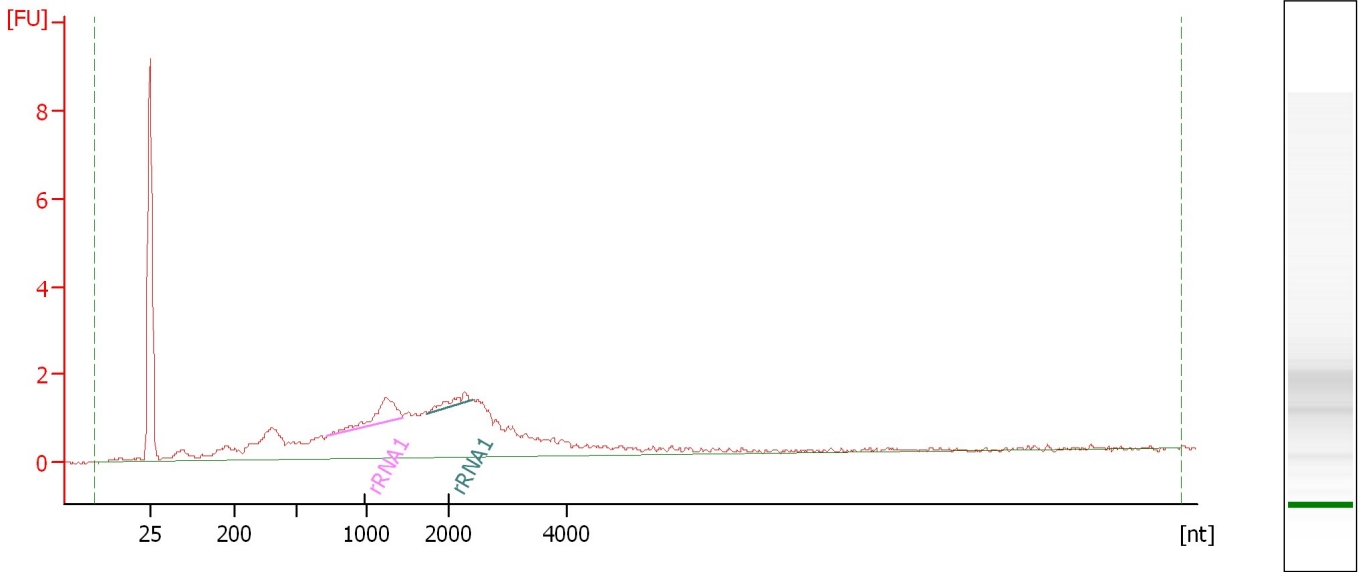
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,008	1,382	1.0	1.4
rRNA1	1,961	2,215	0.2	0.2

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

FL20_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 9 : FL20_LIVER

RNA Area: 54.2 rRNA Contamination: 5.7 %
RNA Concentration: 345 pg/μl

Fragment table for sample 9 : FL20_LIVER

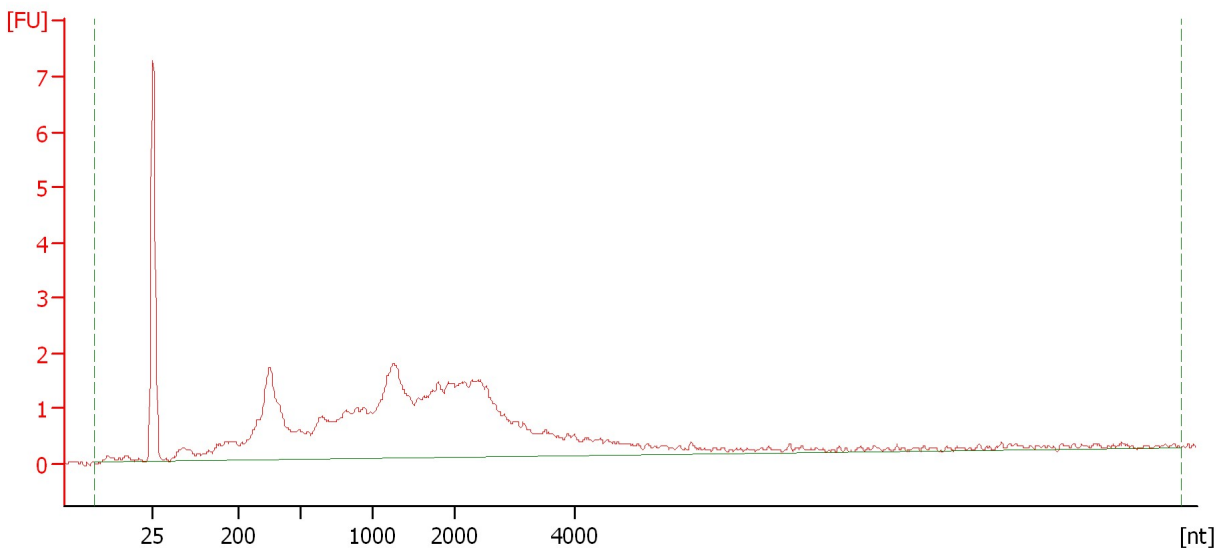
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	720	1,431	2.4	4.4
rRNA1	1,735	2,390	0.7	1.3

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

FL22_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 10 : FL22_LIVER

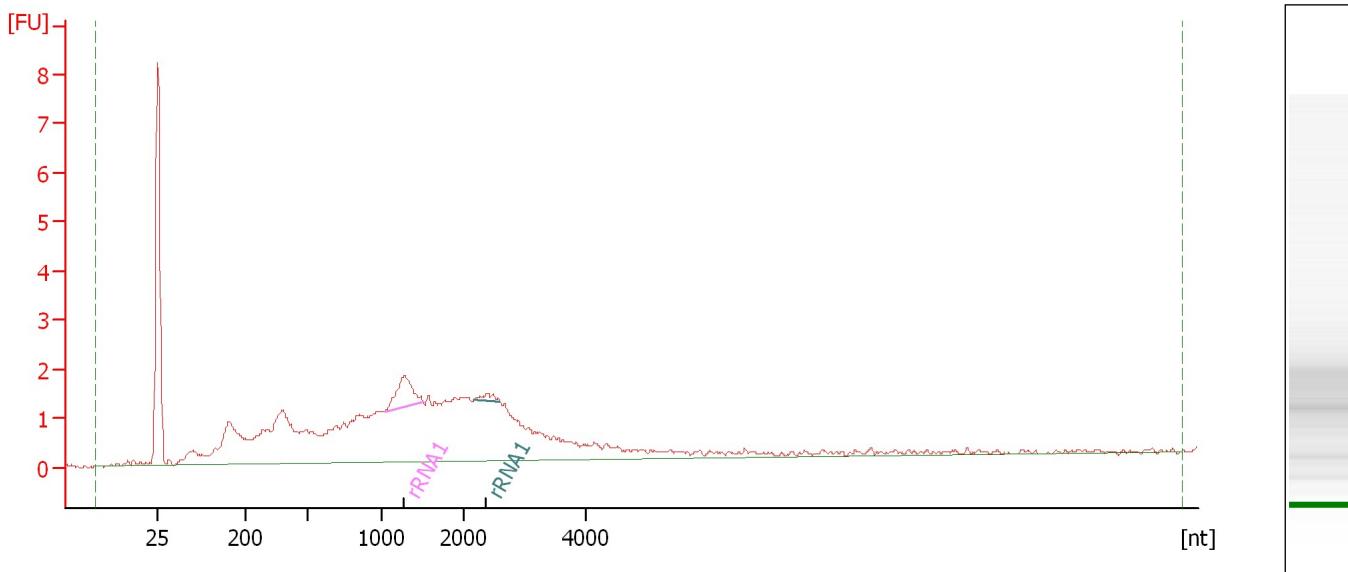
RNA Area: 64.0 rRNA Contamination: 0.0 %
RNA Concentration: 407 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Electropherogram Summary Continued ...

FL29_LIVER [HiSeq_091_Ribo-depleted RNA]



Overall Results for sample 11 : FL29_LIVER

RNA Area: 67.1 rRNA Contamination: 3.6 %
RNA Concentration: 427 pg/μl

Fragment table for sample 11 : FL29_LIVER

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,053	1,514	2.1	3.1
rRNA1	2,175	2,595	0.3	0.5

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_004.xad

Created: 5/22/2015 5:53:20 PM
Modified: 5/22/2015 6:27:44 PM

Gel Image

