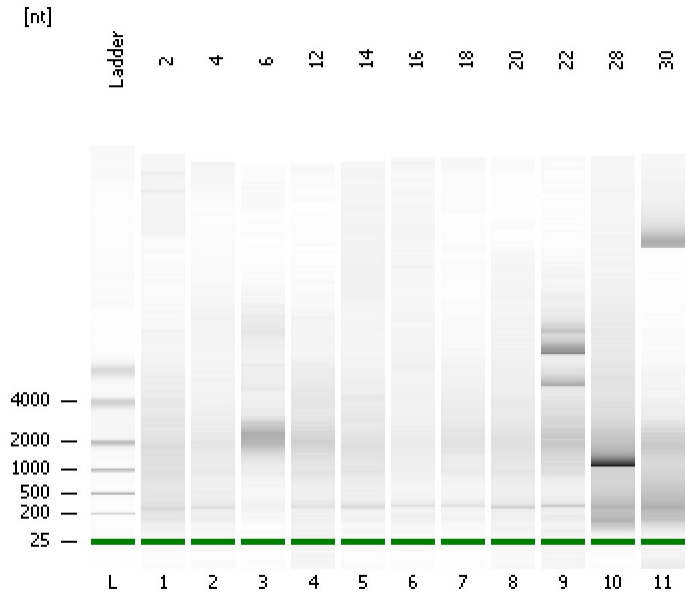


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

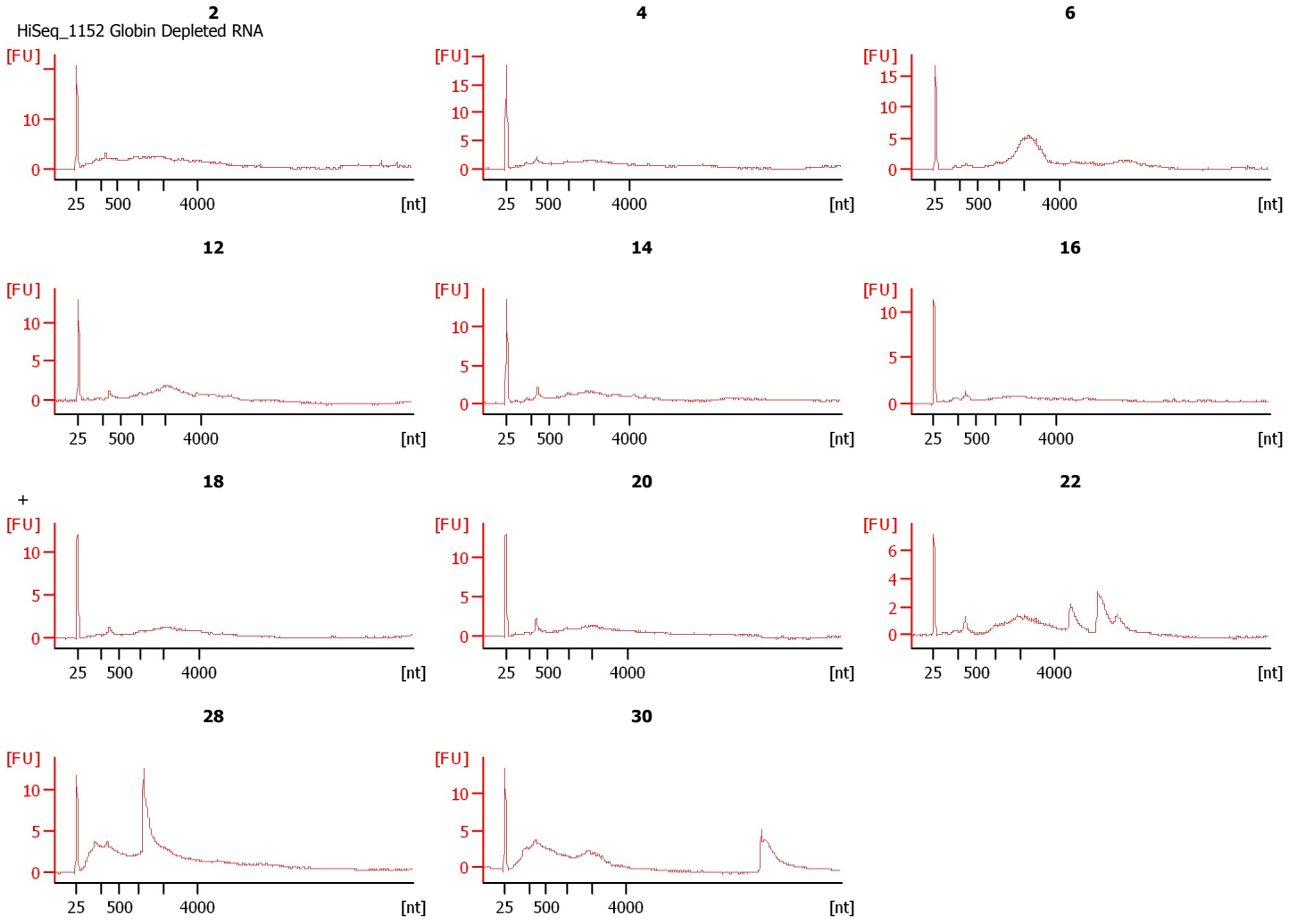
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|--------------------------------|--------|--------------|--------------|
| 2 | HiSeq_1152 Globin Depleted RNA | ✓ | | |
| 4 | | ✓ | | |
| 6 | | ✓ | | |
| 12 | | ✓ | | |
| 14 | | ✓ | | |
| 16 | | ✓ | | |
| 18 | + | ✓ | | |
| 20 | | ✓ | | |
| 22 | | ✓ | | |
| 28 | | ✓ | | |
| 30 | | ✓ | | |
| Ladder | | ✓ | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

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

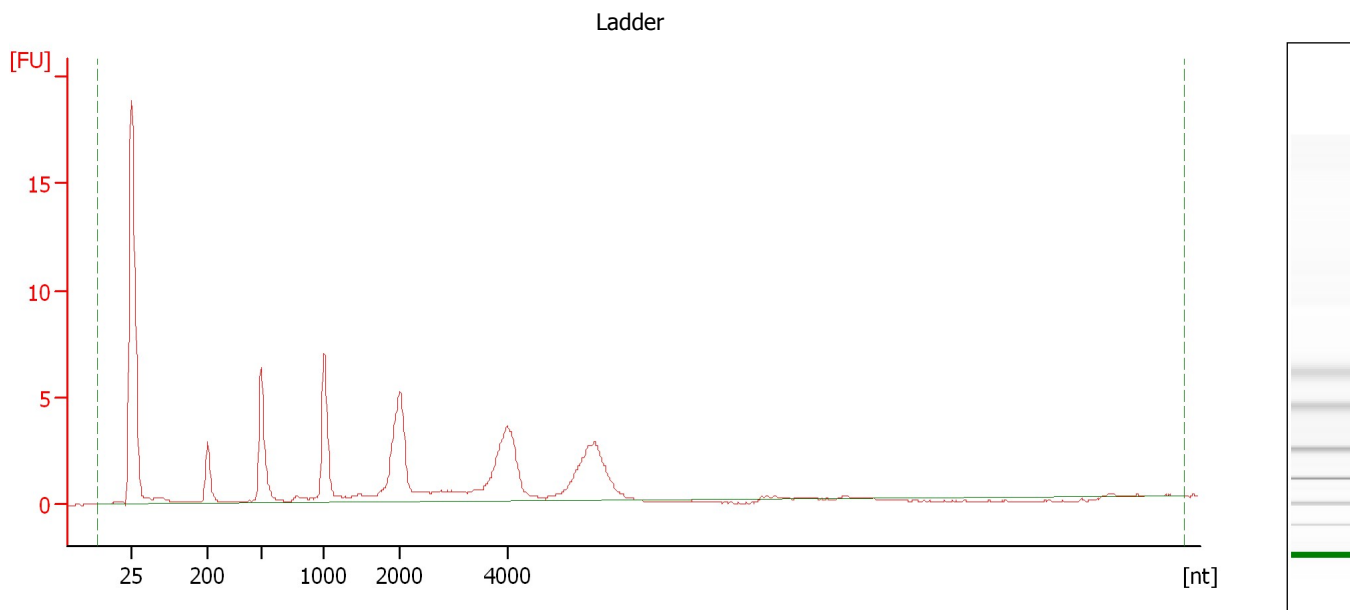
Ladder

| 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\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary



Overall Results for Ladder

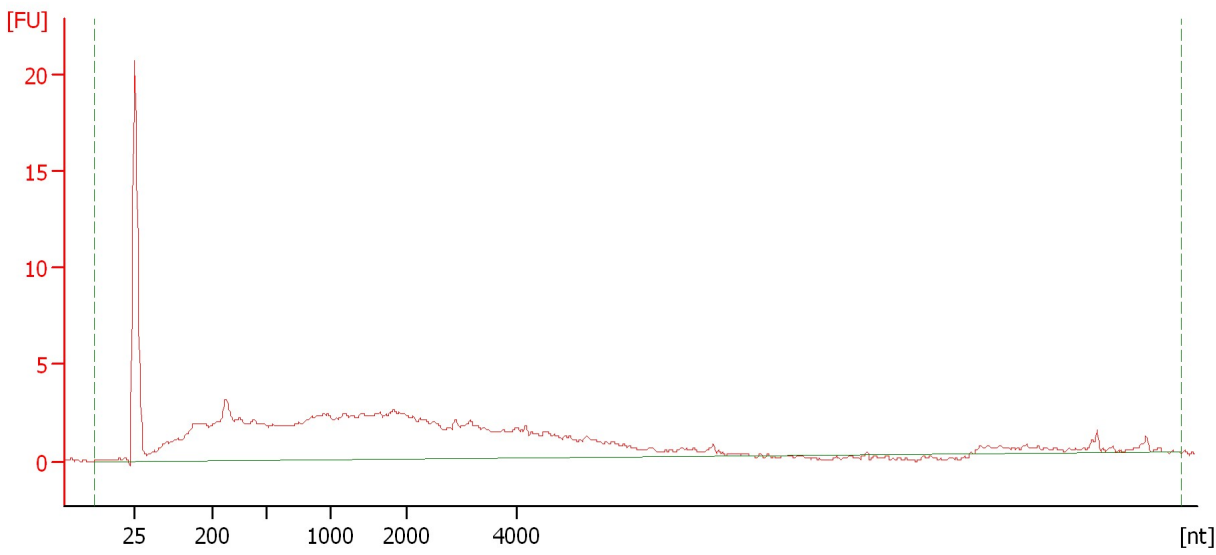
RNA Area: 74.9 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...

2 [HiSeq_1152 Globin Depleted RNA]



Overall Results for sample 1 : 2

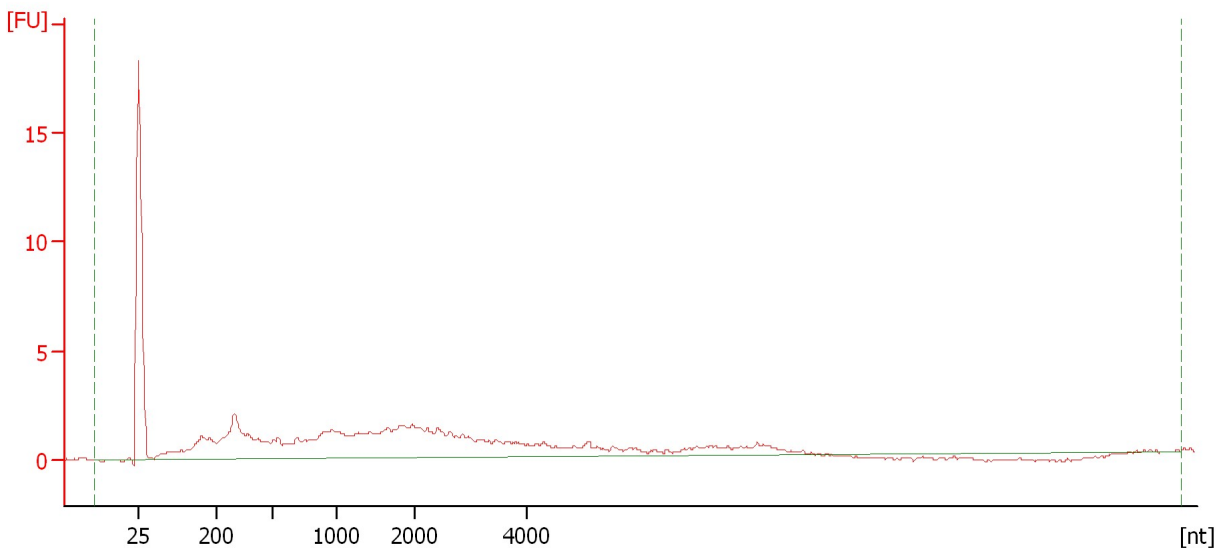
RNA Area: 167.3 rRNA Contamination: 0.0 %
RNA Concentration: 2,235 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...

4



Overall Results for sample 2 : 4

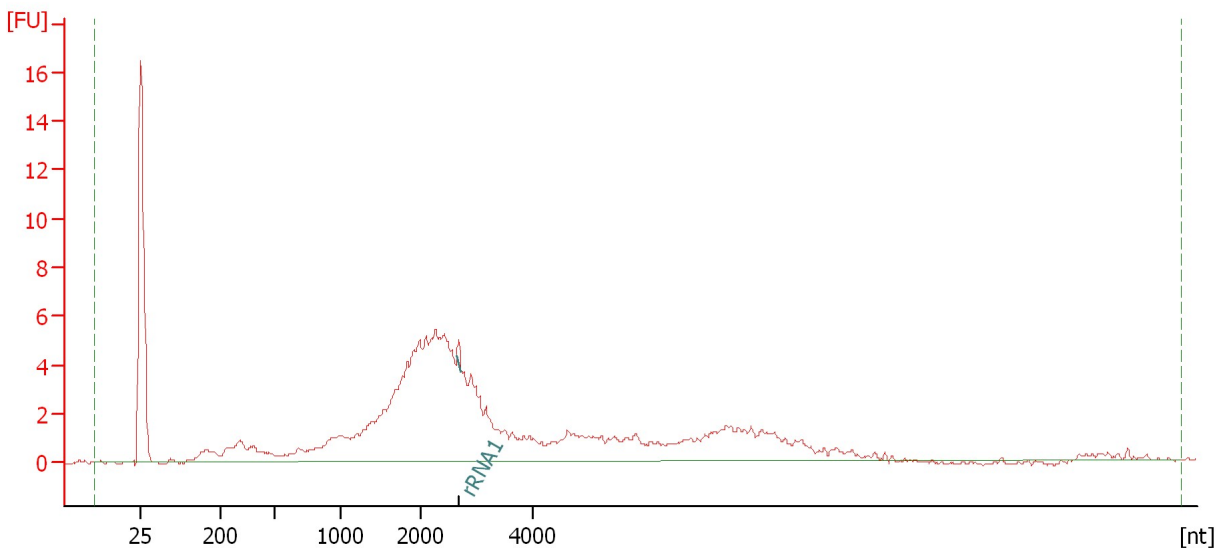
| | | | |
|--------------------|-------------|---------------------|-------|
| RNA Area: | 82.0 | rRNA Contamination: | 0.0 % |
| RNA Concentration: | 1,095 pg/μl | | |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...

6



Overall Results for sample 3 : 6

RNA Area: 137.8 rRNA Contamination: 0.3 %
RNA Concentration: 1,841 pg/μl

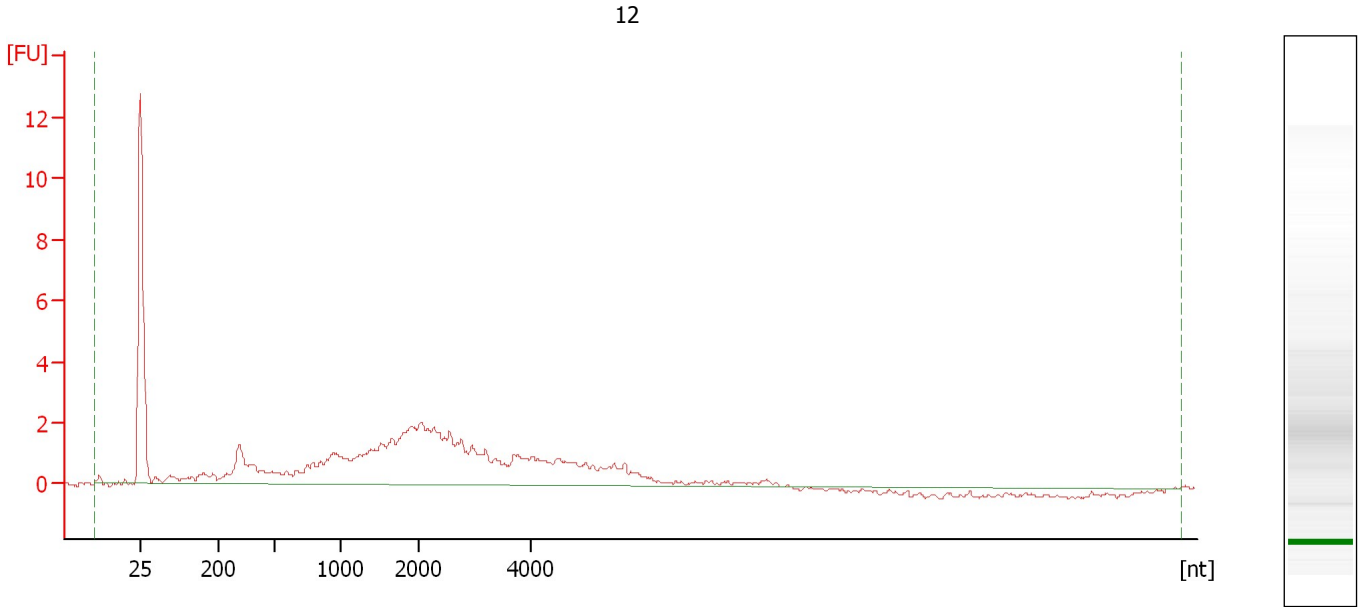
Fragment table for sample 3 : 6

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|-------|-----------------|---------------|------|-----------------|
| rRNA1 | 2,655 | 2,740 | 0.4 | 0.3 |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 12

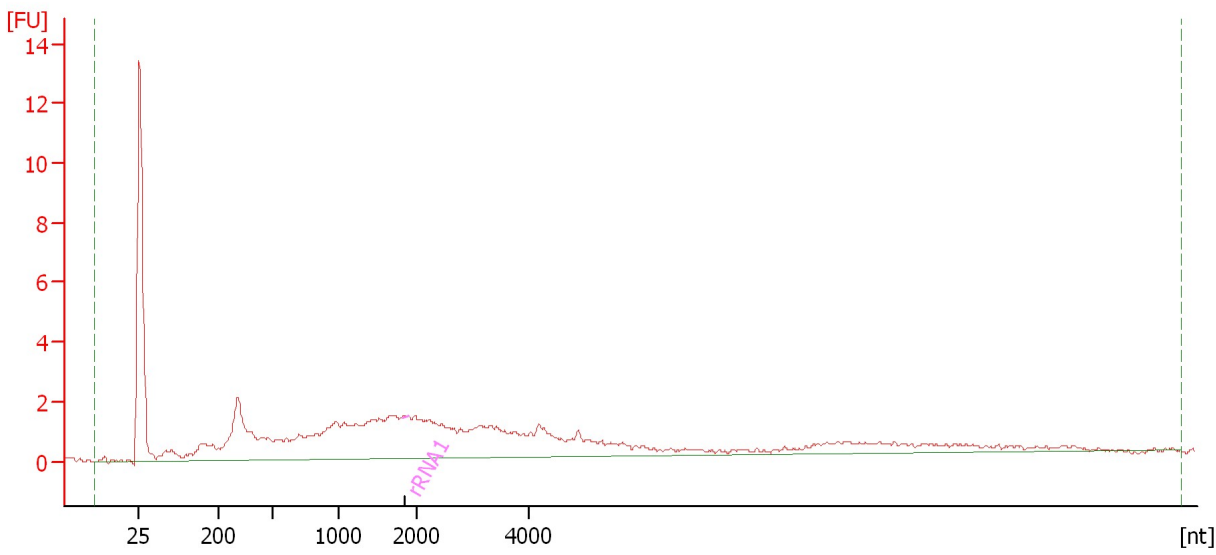
| | | | |
|--------------------|-----------|---------------------|-------|
| RNA Area: | 71.7 | rRNA Contamination: | 0.0 % |
| RNA Concentration: | 958 pg/μl | | |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...

14



Overall Results for sample 5 : 14

RNA Area: 84.6 rRNA Contamination: 0.0 %
RNA Concentration: 1,130 pg/μl

Fragment table for sample 5 : 14

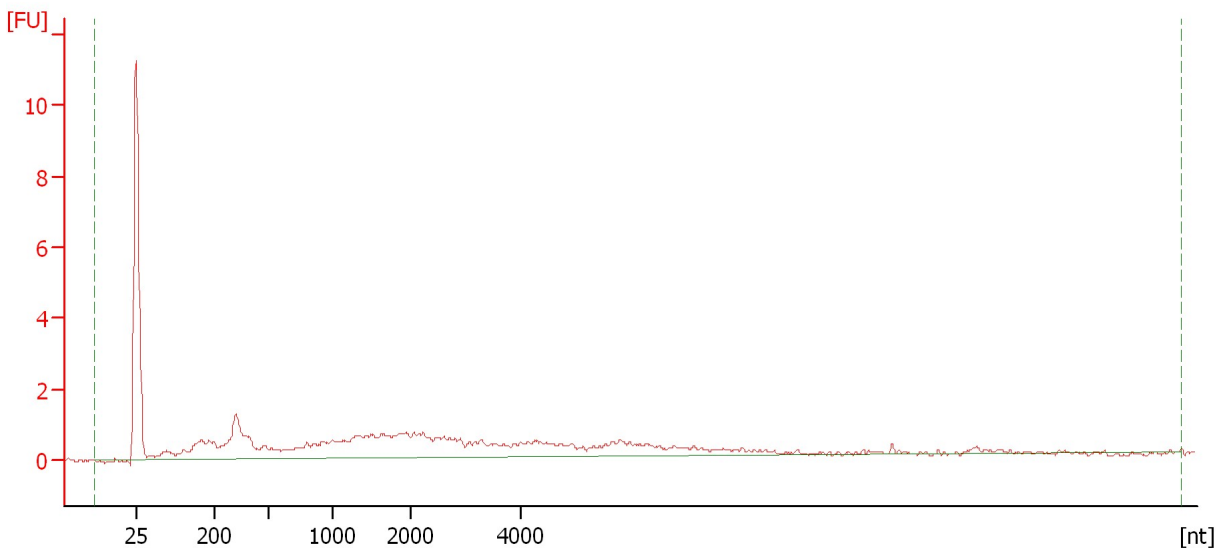
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|-------|-----------------|---------------|------|-----------------|
| rRNA1 | 1,806 | 1,897 | 0.0 | 0.0 |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...

16



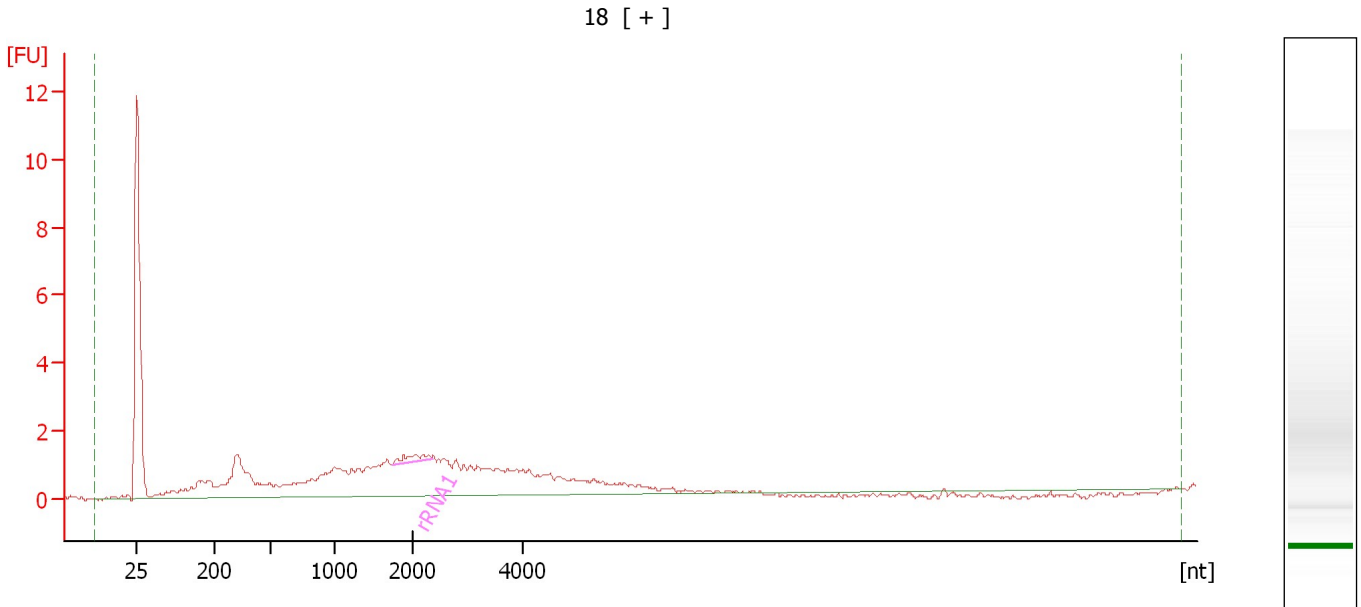
Overall Results for sample 6 : 16

RNA Area: 42.5 rRNA Contamination: 0.0 %
RNA Concentration: 567 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 18

RNA Area: 57.6 rRNA Contamination: 1.6 %
RNA Concentration: 769 pg/μl

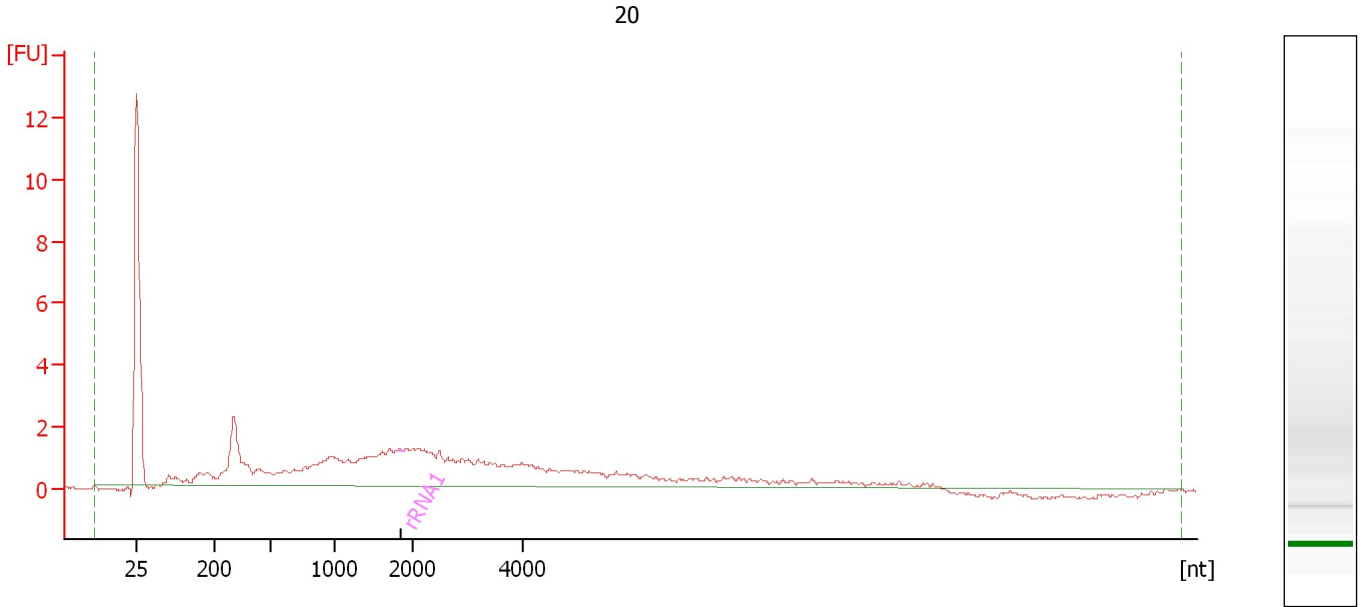
Fragment table for sample 7 : 18

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|-------|-----------------|---------------|------|-----------------|
| rRNA1 | 1,741 | 2,356 | 0.9 | 1.6 |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 20

RNA Area: 66.6 rRNA Contamination: 0.1 %
RNA Concentration: 889 pg/μl

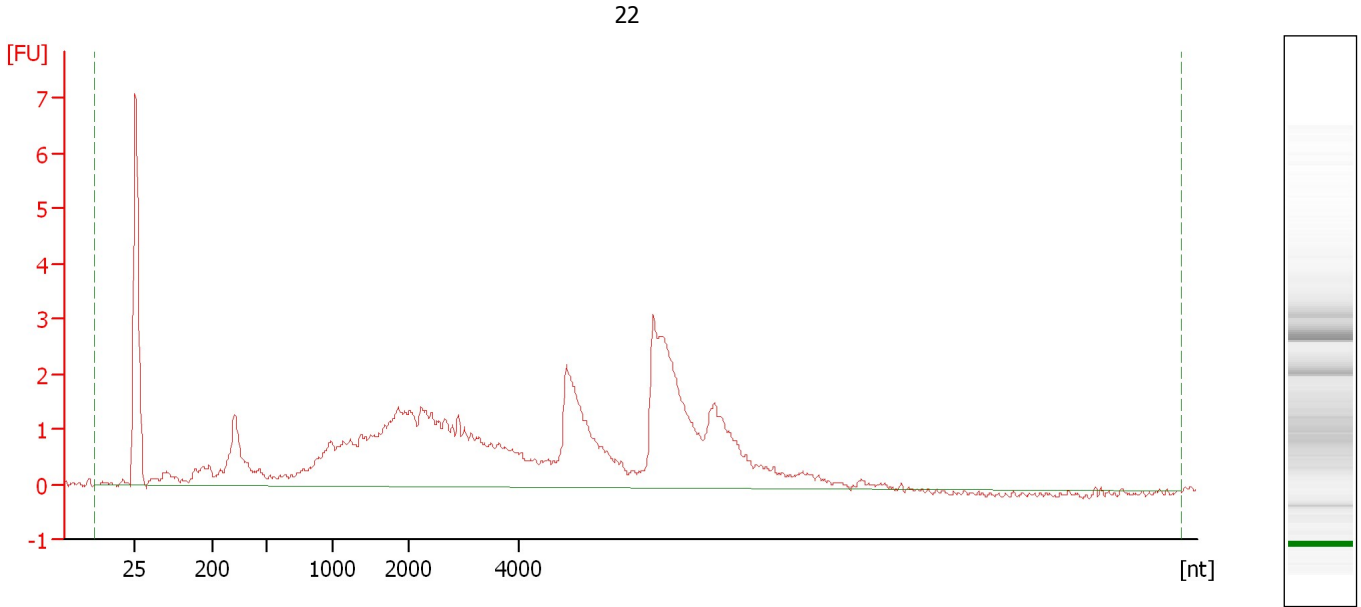
Fragment table for sample 8 : 20

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|-------|-----------------|---------------|------|-----------------|
| rRNA1 | 1,812 | 1,894 | 0.0 | 0.1 |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



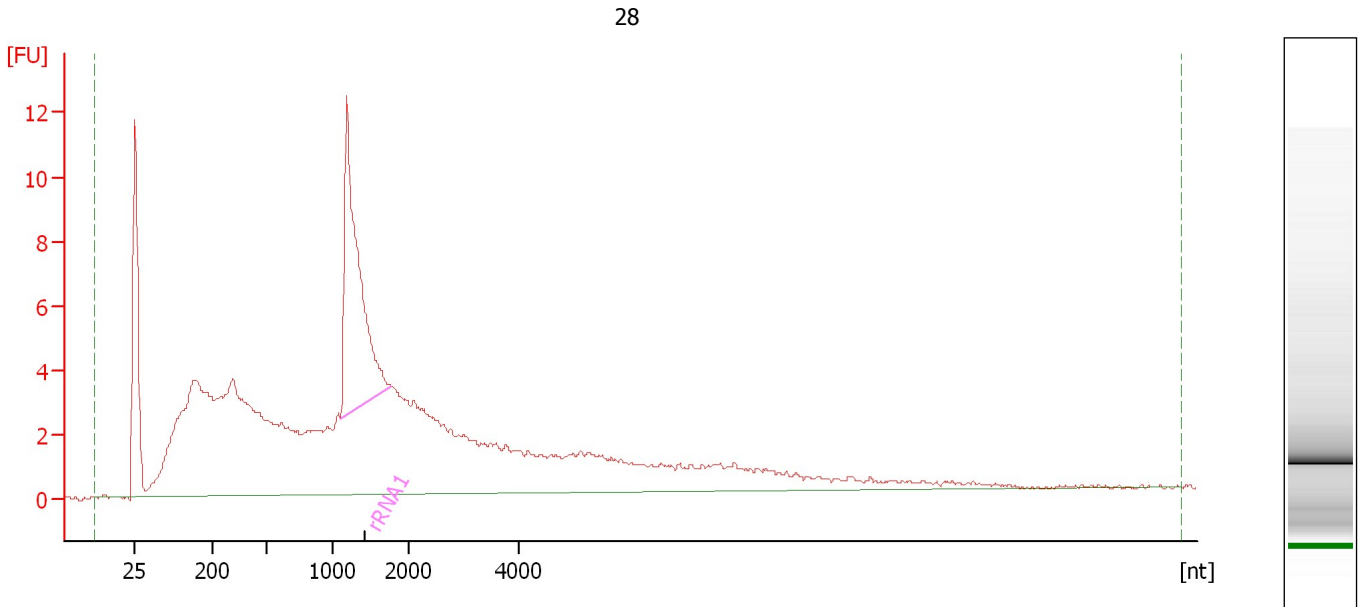
Overall Results for sample 9 : 22

RNA Area: 78.6 rRNA Contamination: 0.0 %
RNA Concentration: 1,049 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 28

RNA Area: 252.1 rRNA Contamination: 11.8 %
RNA Concentration: 3,367 pg/μl

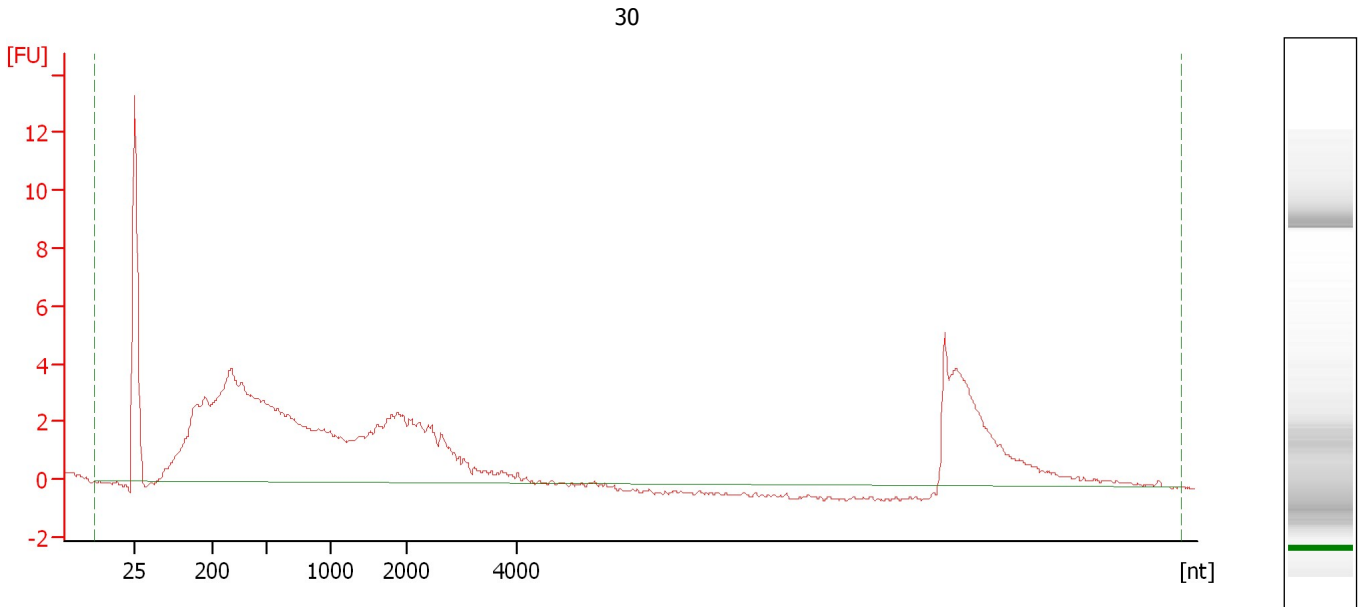
Fragment table for sample 10 : 28

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|-------|-----------------|---------------|------|-----------------|
| rRNA1 | 1,109 | 1,758 | 29.8 | 11.8 |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 30

| | | | |
|--------------------|-------------|---------------------|-------|
| RNA Area: | 160.7 | rRNA Contamination: | 0.0 % |
| RNA Concentration: | 2,146 pg/μl | | |

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_001.xad

Created: 12/4/2017 6:55:40 AM
Modified: 12/4/2017 7:21:35 AM

Gel Image

