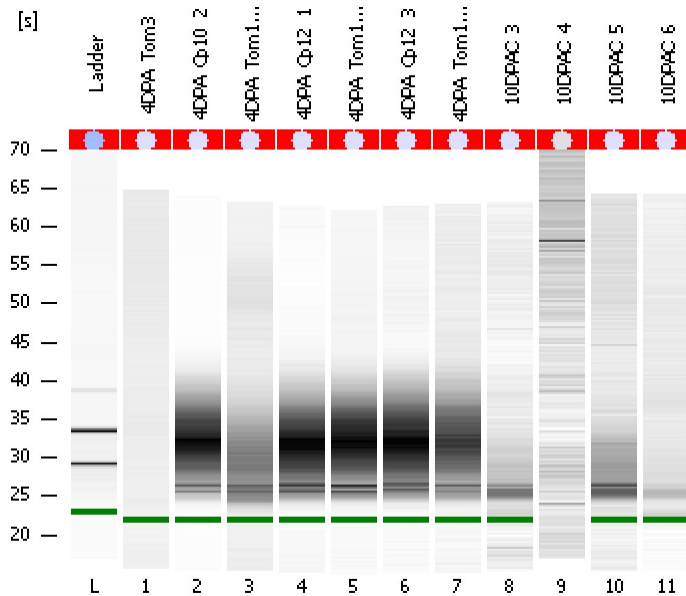


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electrophoresis File Run Summary



Instrument Information:

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

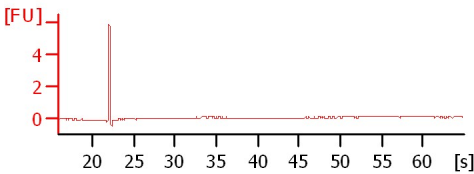
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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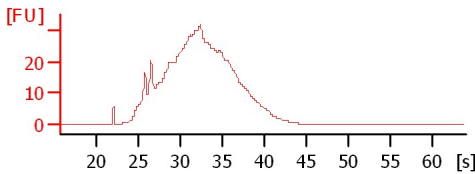
Chip Information:

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

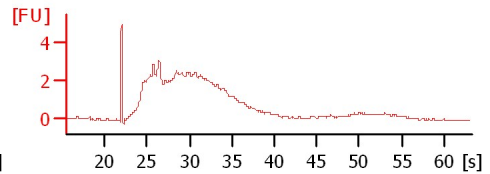
4DPA_Tom3
RIN: 1



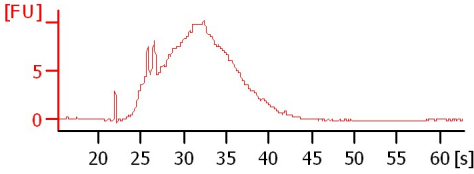
4DPA_Cp10_2
RIN: 1.30



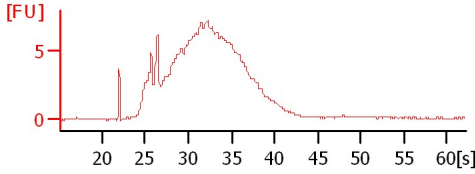
4DPA_Tom10_2
RIN: 2.30



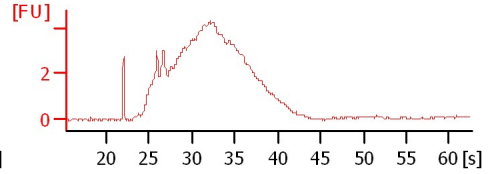
4DPA_Cp12_1
RIN: 1.60



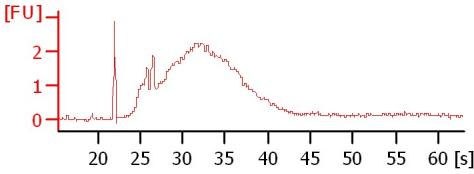
4DPA_Tom12_2
RIN: 1.70



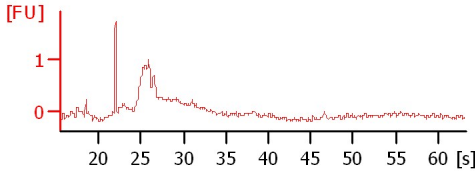
4DPA_Cp12_3
RIN: 1.80



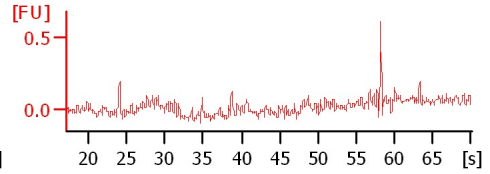
4DPA_Tom12_3
RIN: 2.10



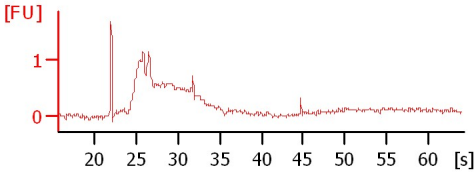
10DPAC_3
RIN: 2.40



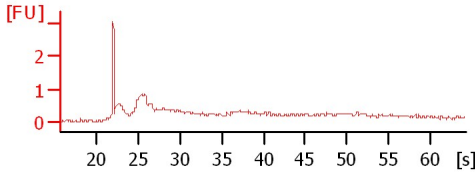
10DPAC_4
RIN N/A



10DPAC_5
RIN: 2.40



10DPAC_6
RIN: 2.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
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Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|--------------|----------------|--------|-------------------|--------------|
| 4DPA_Tom3 | | ✓ | RIN:1 | |
| 4DPA_Cp10_2 | | ✓ | RIN: 1.30 | |
| 4DPA_Tom10_2 | | ✓ | RIN: 2.30 | |
| 4DPA_Cp12_1 | | ✓ | RIN: 1.60 | |
| 4DPA_Tom12_2 | | ✓ | RIN: 1.70 | |
| 4DPA_Cp12_3 | | ✓ | RIN: 1.80 | |
| 4DPA_Tom12_3 | | ✓ | RIN: 2.10 | |
| 10DPAC_3 | | ✓ | RIN: 2.40 | |
| 10DPAC_4 | | ✓ | RIN N/A | |
| 10DPAC_5 | | ✓ | RIN: 2.40 | |
| 10DPAC_6 | | ✓ | RIN: 2.30 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

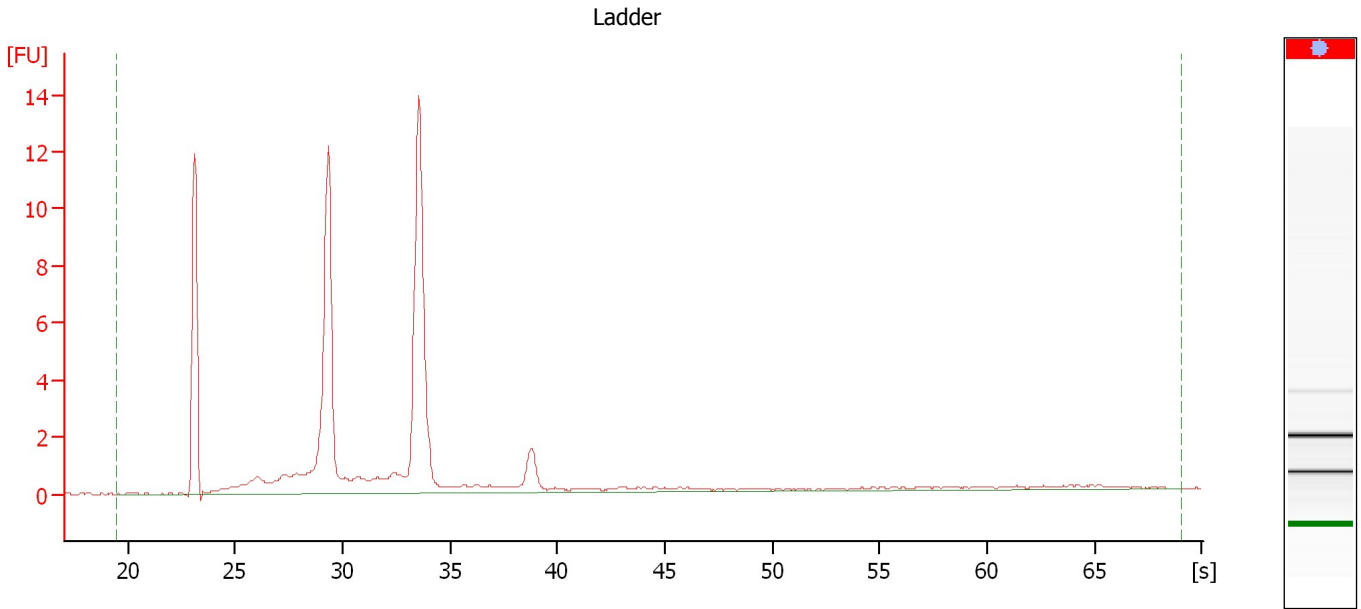
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary



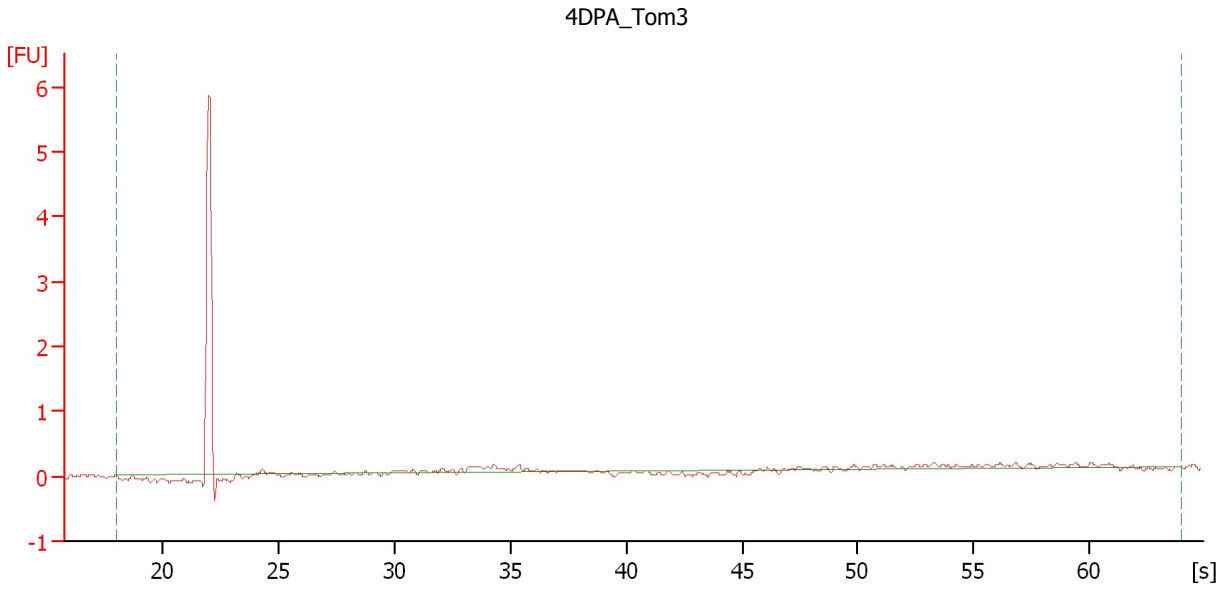
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 60.5 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



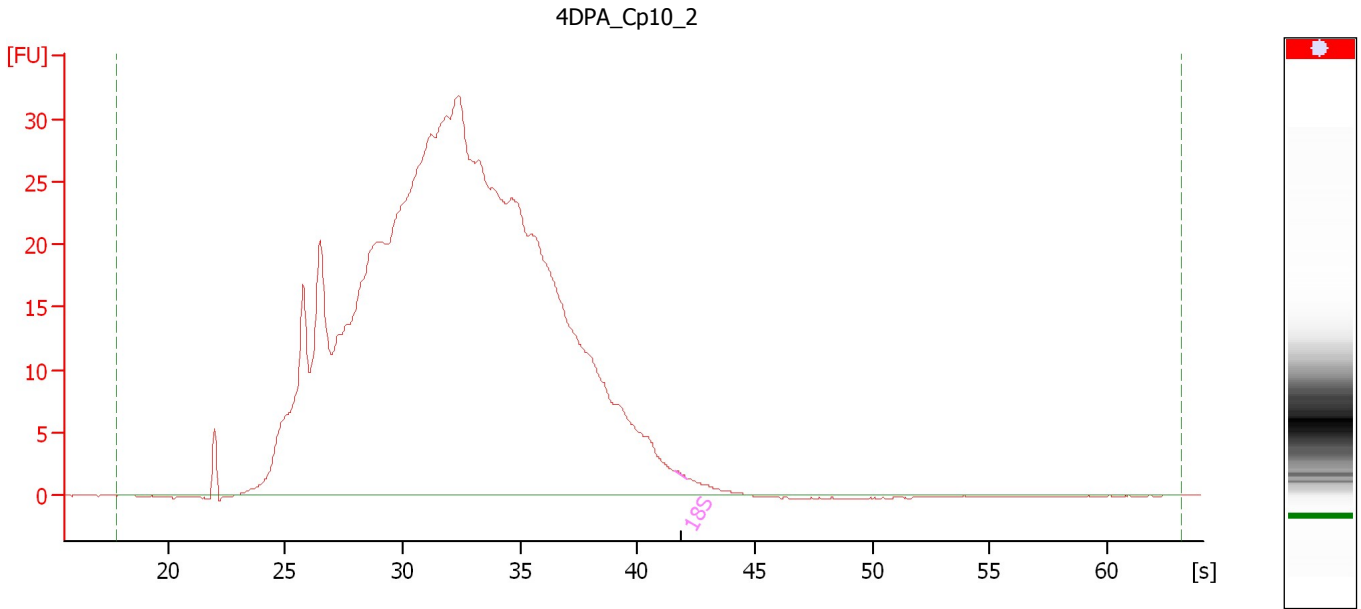
Overall Results for sample 1 : 4DPA Tom3

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 1.8 | RNA Integrity Number (RIN): | 1 (B.02.08) |
| RNA Concentration: | 29 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN:1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4DPA Cp10 2

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 899.9 | RNA Integrity Number (RIN): | 1.3 (B.02.08) |
| RNA Concentration: | 14,868 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.30 |

Fragment table for sample 2 : 4DPA Cp10 2

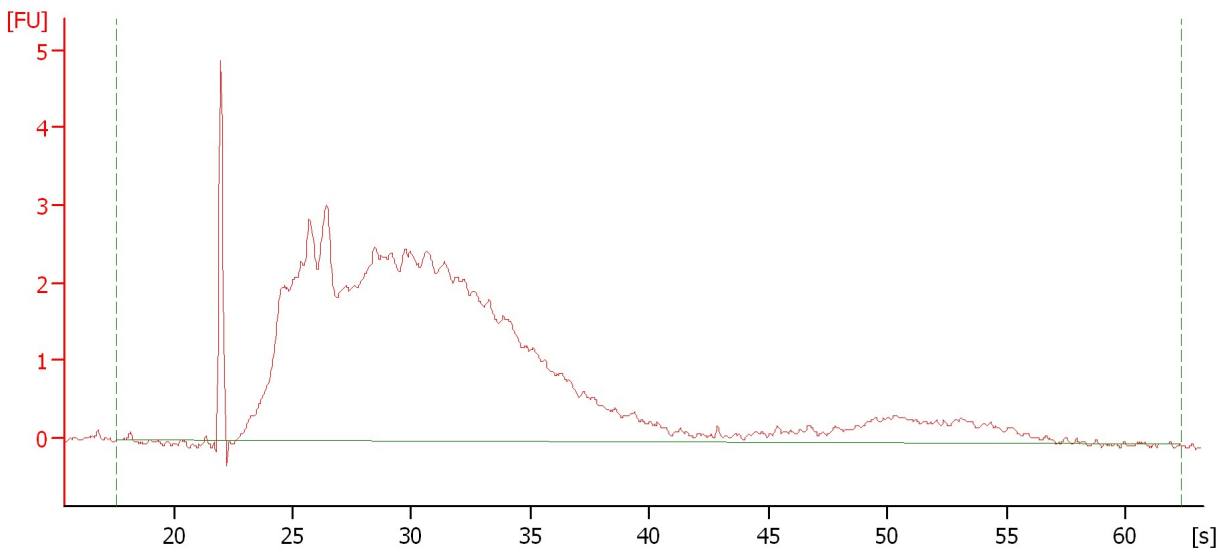
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 0 | 0 | 0.1 | 0.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...

4DPA_Tom10_2



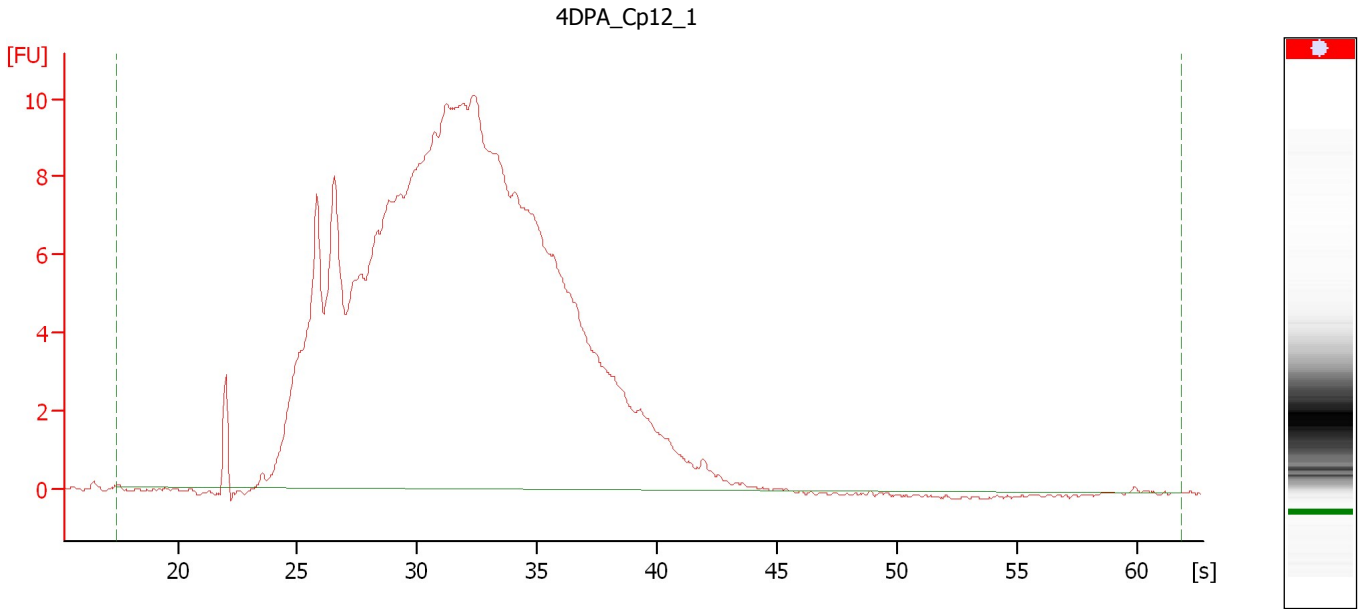
Overall Results for sample 3 : 4DPA Tom10_2

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 94.8 | RNA Integrity Number (RIN): | 2.3 (B.02.08) |
| RNA Concentration: | 1,567 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.30 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



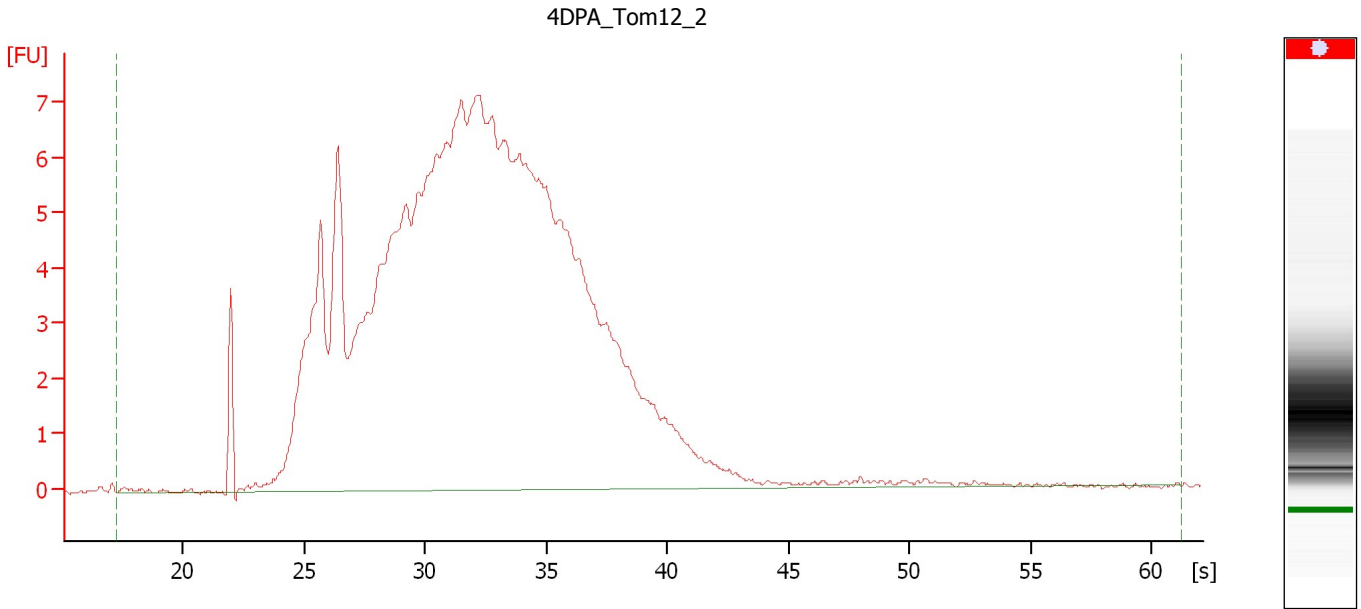
Overall Results for sample 4 : 4DPA_Cp12_1

| | | | |
|-------------------------|-------------------|-----------------------------|---|
| RNA Area: | 308.7 | RNA Integrity Number (RIN): | 1.6 (B.02.08) |
| RNA Concentration: | 5,100 pg/ μ l | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.60 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



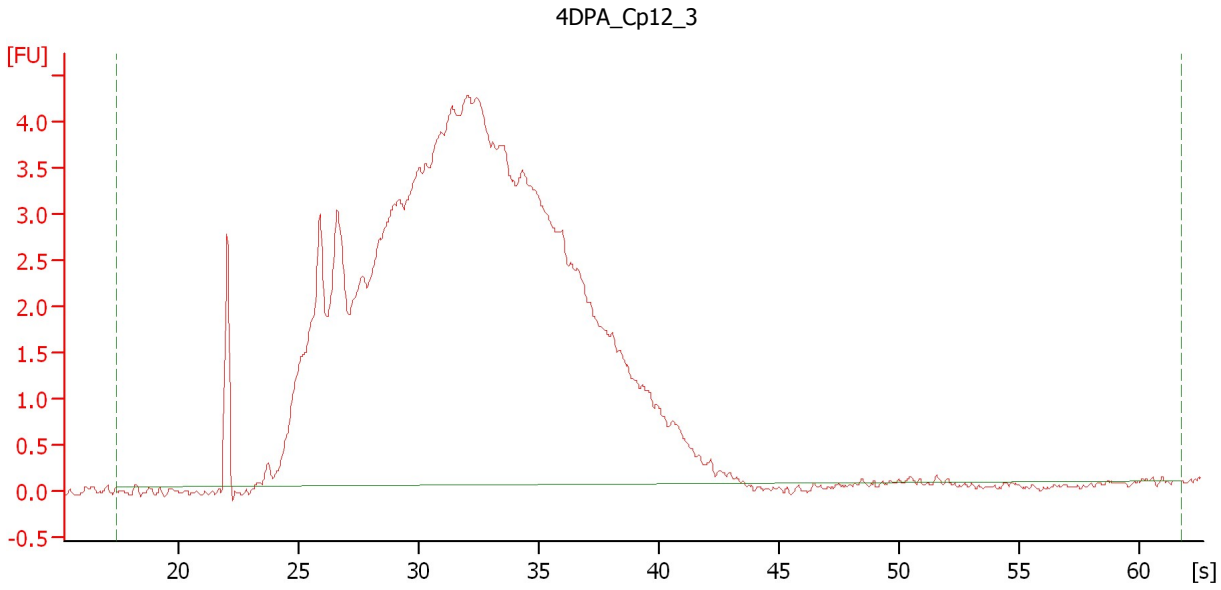
Overall Results for sample 5 : 4DPA Tom12_2

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 222.1 | RNA Integrity Number (RIN): | 1.7 (B.02.08) |
| RNA Concentration: | 3,669 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.70 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



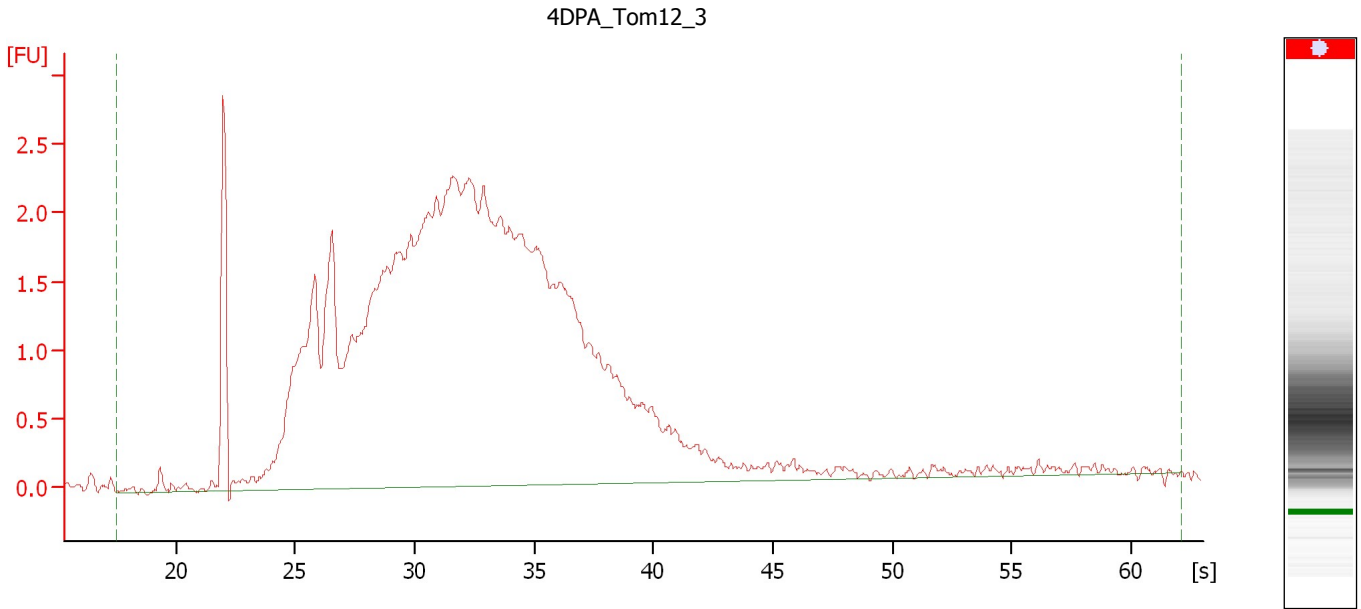
Overall Results for sample 6 : 4DPA Cp12 3

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 132.1 | RNA Integrity Number (RIN): | 1.8 (B.02.08) |
| RNA Concentration: | 2,183 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.80 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



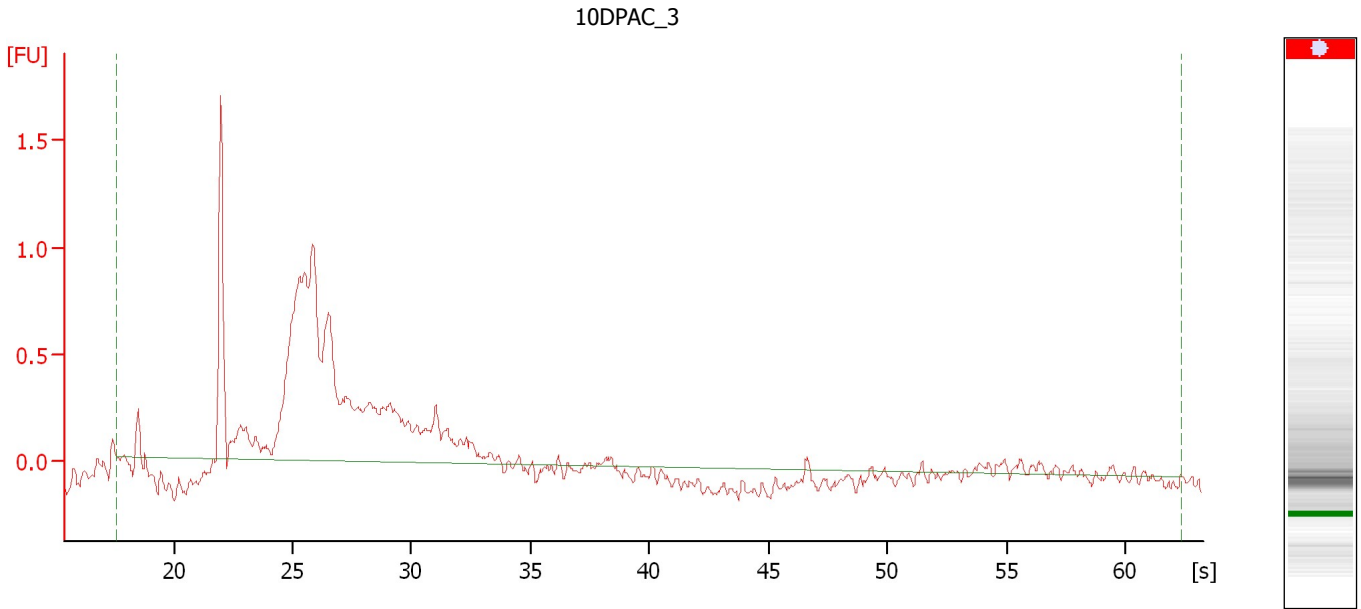
Overall Results for sample 7 : 4DPA Tom12_3

| | | | |
|-------------------------|-------------------|-----------------------------|---|
| RNA Area: | 76.7 | RNA Integrity Number (RIN): | 2.1 (B.02.08) |
| RNA Concentration: | 1,268 pg/ μ l | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.10 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



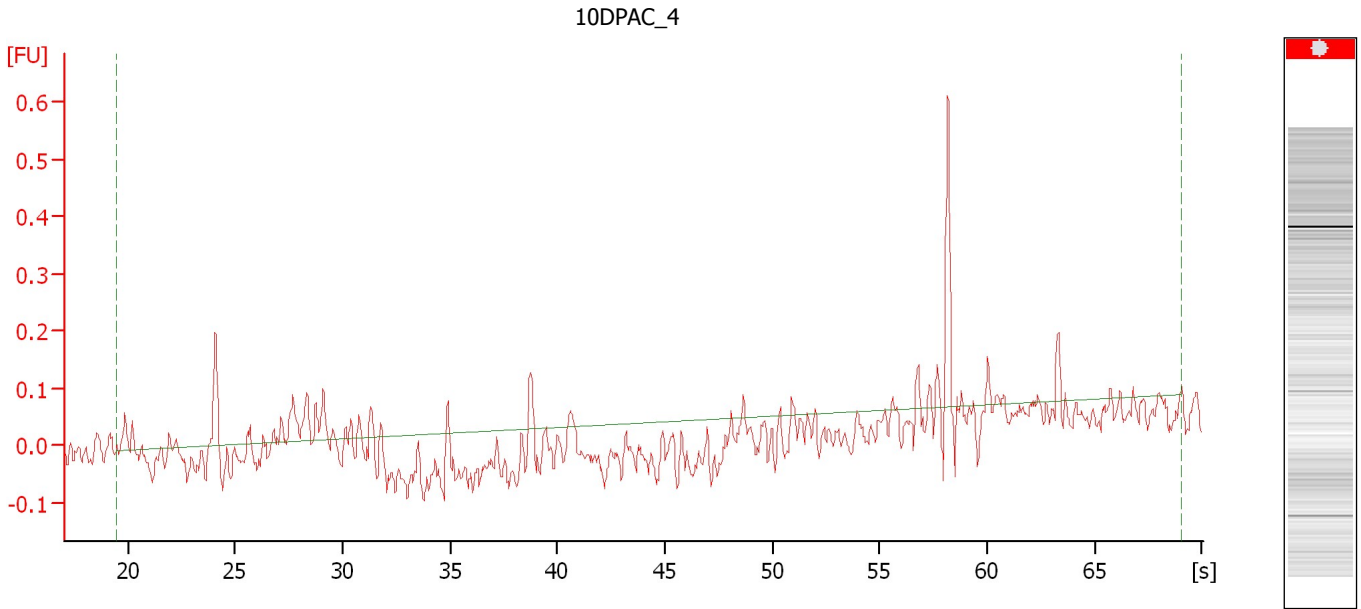
Overall Results for sample 8 : 10DPAC_3

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 11.5 | RNA Integrity Number (RIN): | 2.4 (B.02.08) |
| RNA Concentration: | 190 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.40 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



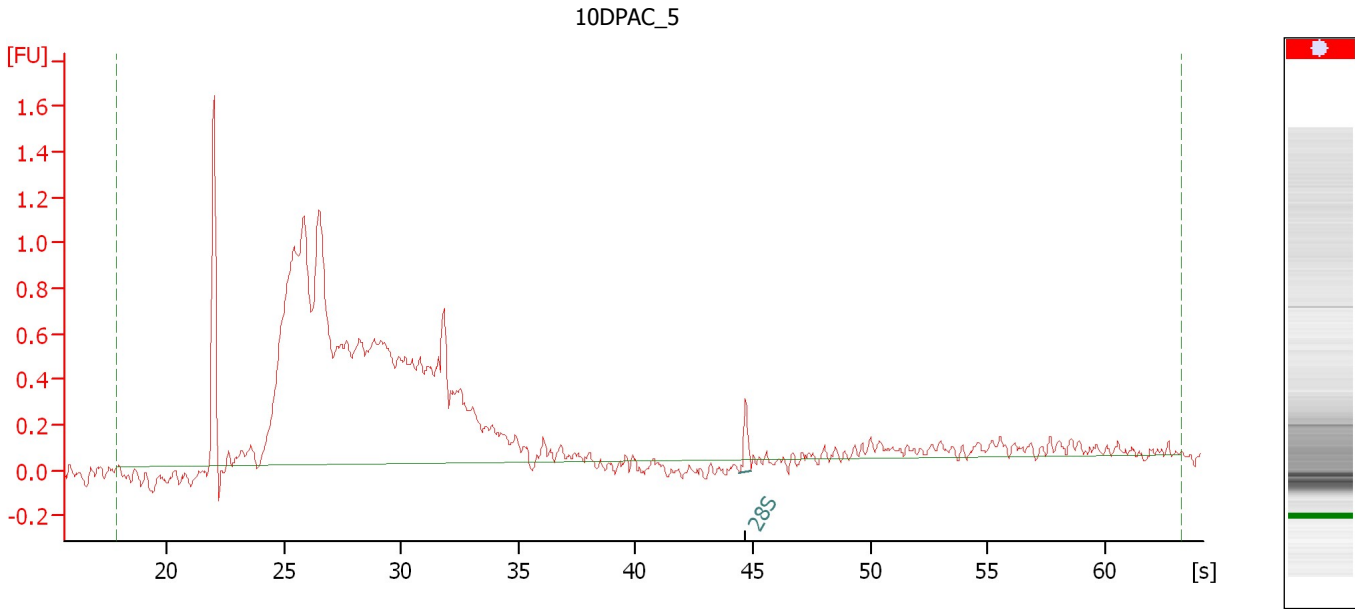
Overall Results for sample 9 : 10DPAC 4

| | | | |
|-------------------------|----------------|------------------------|--------------------------|
| RNA Concentration: | 19 pg/ μ l | Result Flagging Color: | <input type="checkbox"/> |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN N/A |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10DPAC 5

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 19.4 | RNA Integrity Number (RIN): | 2.4 (B.02.08) |
| RNA Concentration: | 321 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.40 |

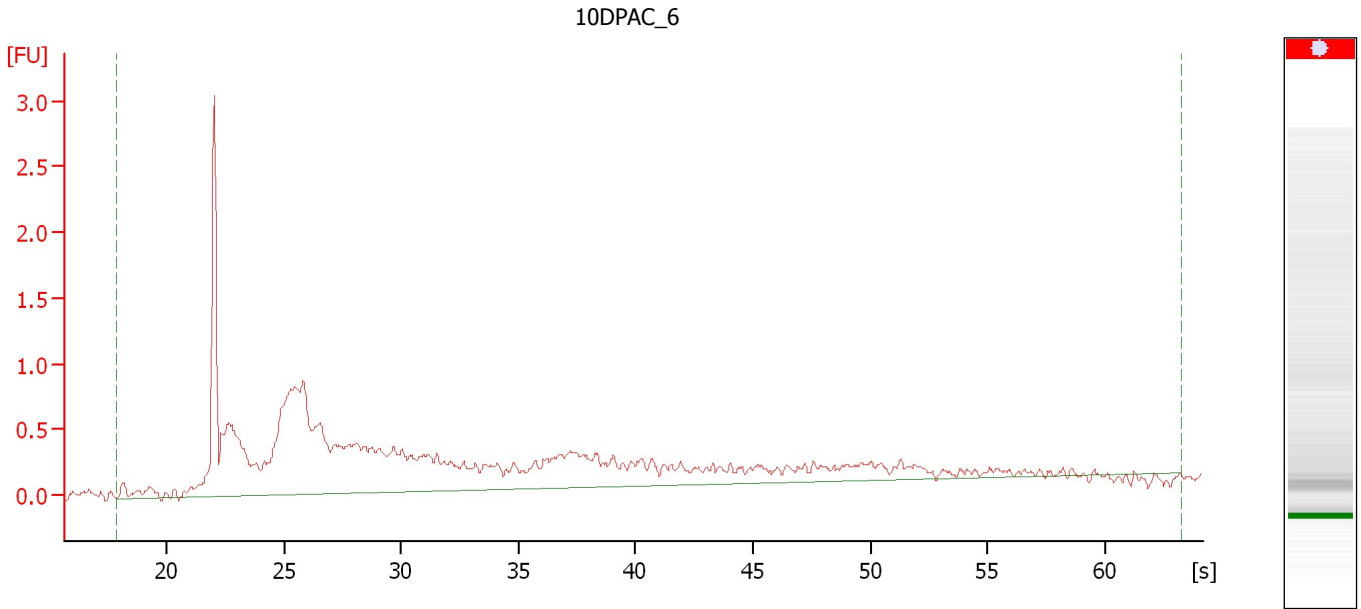
Fragment table for sample 10 : 10DPAC 5

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 28S | 0 | 0 | 0.1 | 0.7 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 10DPAC_6

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 22.6 | RNA Integrity Number (RIN): | 2.3 (B.02.08) |
| RNA Concentration: | 374 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.30 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-19\2013-12-19_001.xad

Created: 12/19/2013 10:29:35 AM
Modified: 12/19/2013 10:52:29 AM

Gel Image

