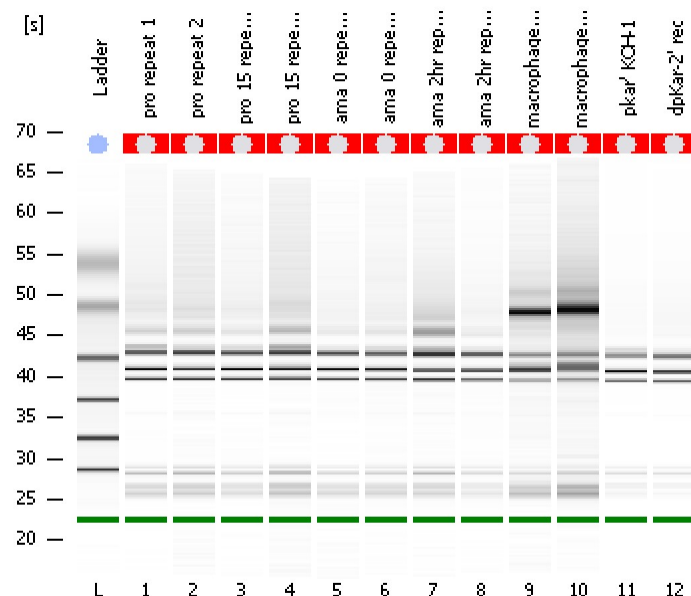


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903145
Serial#: DE34903145

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

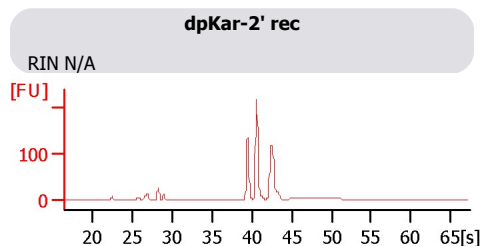
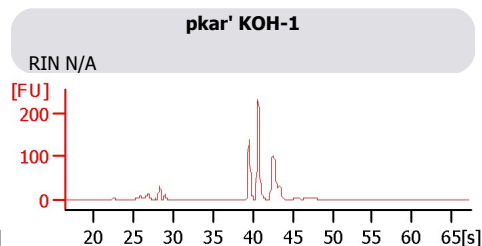
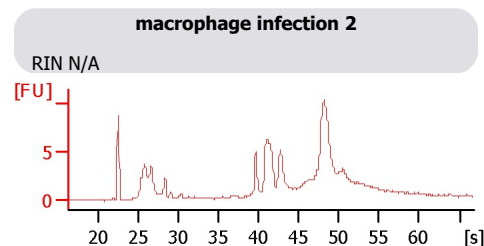
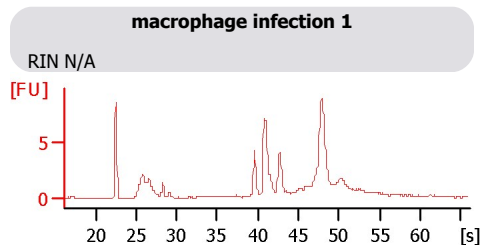
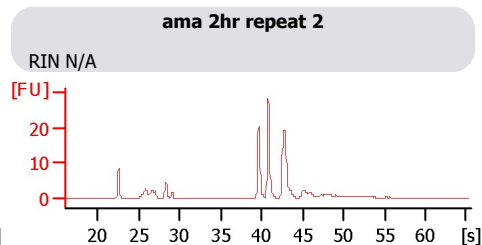
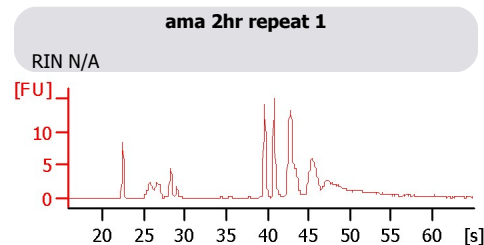
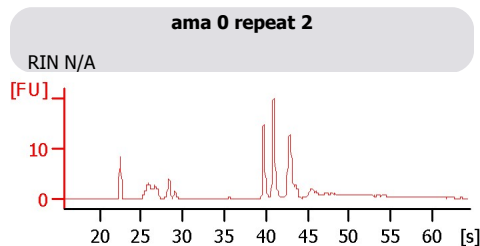
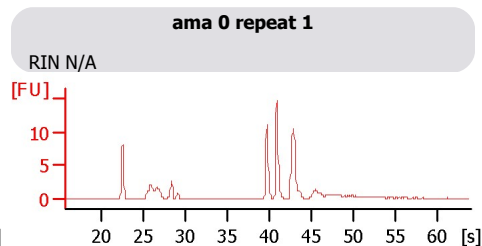
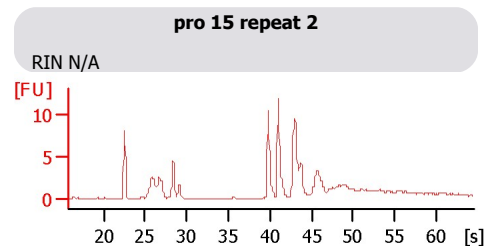
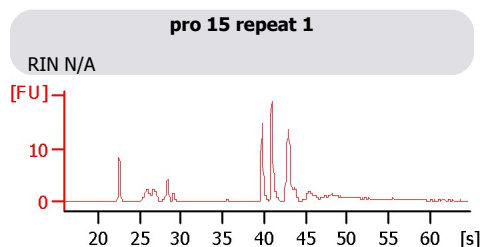
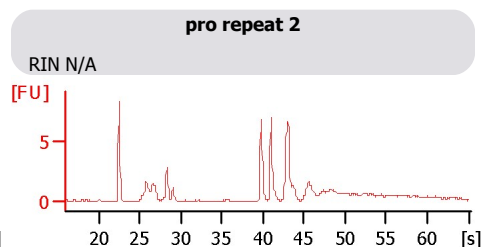
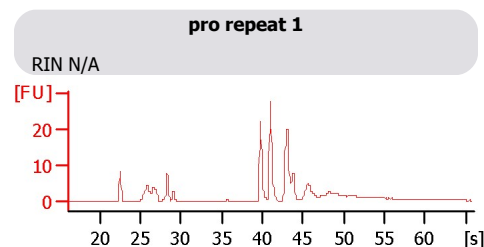
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|------------------------|----------------|--------|-------------------|--------------|
| pro repeat 1 | | ✓ | RIN N/A | |
| pro repeat 2 | | ✓ | RIN N/A | |
| pro 15 repeat 1 | | ✓ | RIN N/A | |
| pro 15 repeat 2 | | ✓ | RIN N/A | |
| ama 0 repeat 1 | | ✓ | RIN N/A | |
| ama 0 repeat 2 | | ✓ | RIN N/A | |
| ama 2hr repeat 1 | | ✓ | RIN N/A | |
| ama 2hr repeat 2 | | ✓ | RIN N/A | |
| macrophage infection 1 | | ✓ | RIN N/A | |
| macrophage infection 2 | | ✓ | RIN N/A | |
| pkar' KOH-1 | | ✓ | RIN N/A | |
| dpKar-2' rec | | ✓ | RIN N/A | |
| Ladder | | ✓ | All Other Samples | |

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

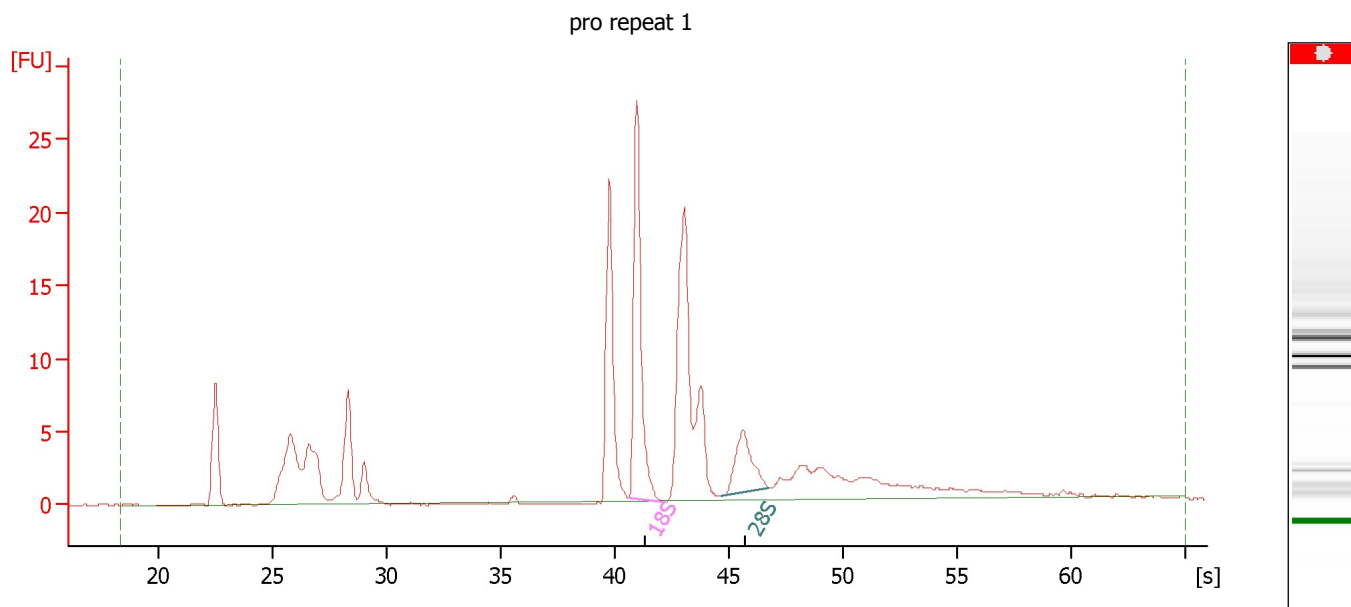
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary



Overall Results for sample 1 : pro repeat 1

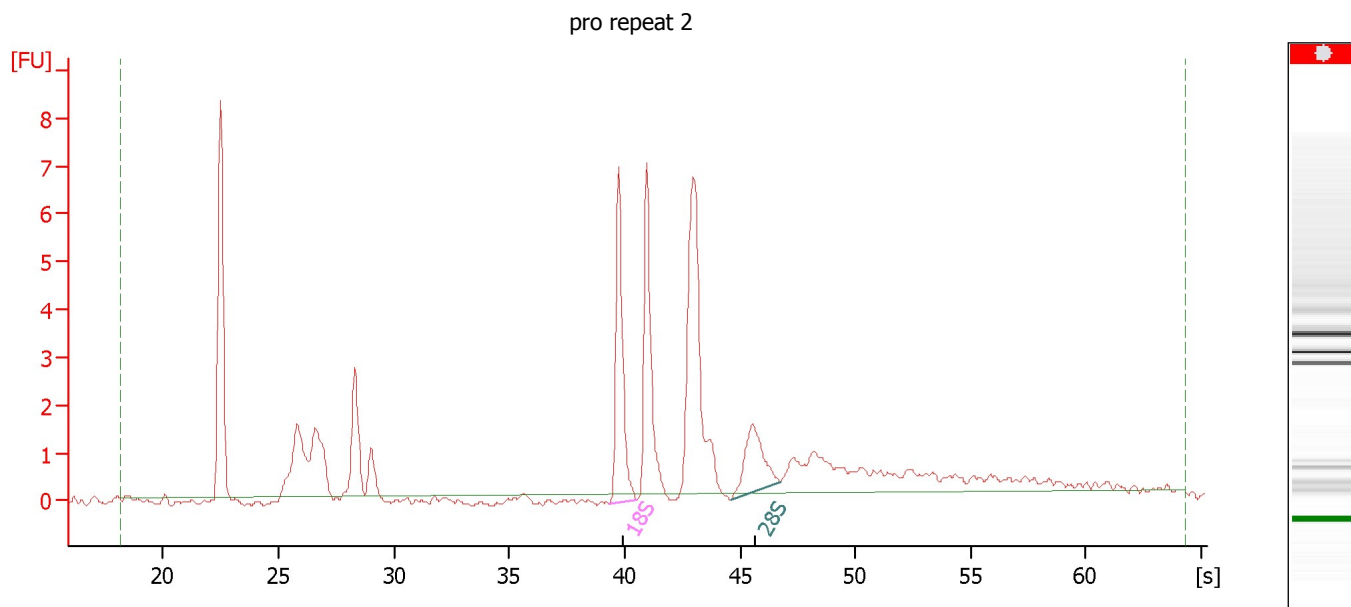
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 148.5 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 96 ng/μl | Result Flagging Color: | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.3 | Result Flagging Label: | RIN N/A |


Fragment table for sample 1 : pro repeat 1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.62 | 42.13 | 23.0 | 15.5 |
| 28S | 44.62 | 46.74 | 8.0 | 5.4 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : pro repeat 2**

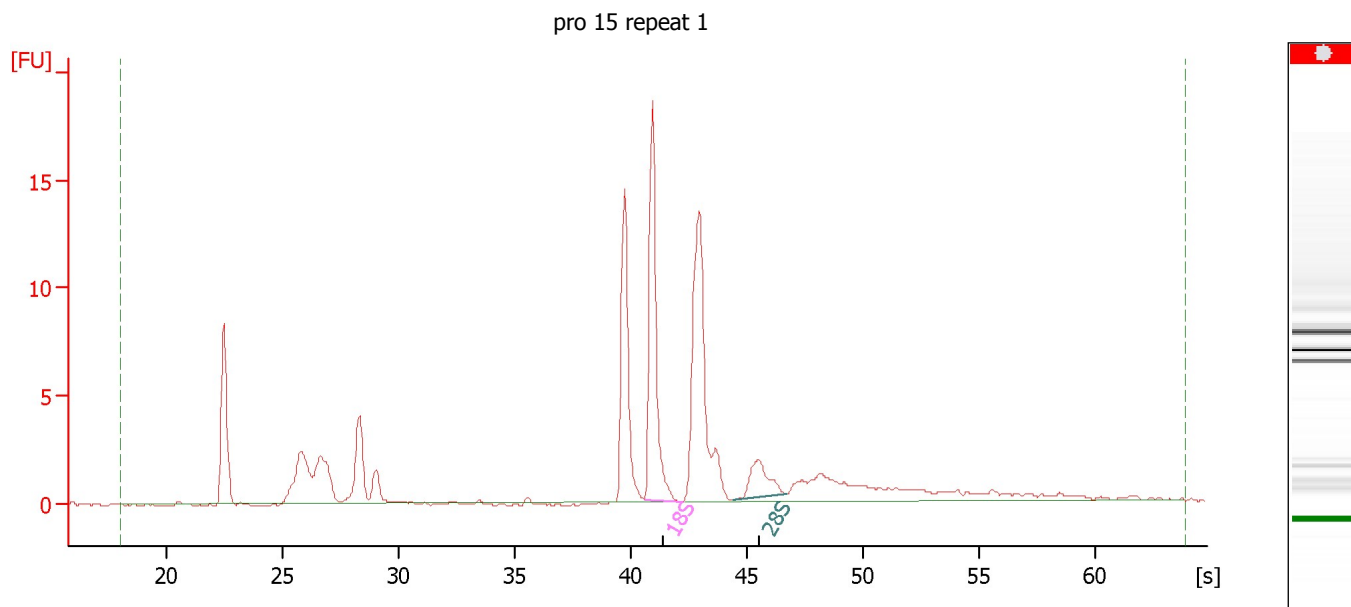
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 45.6 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 30 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 0.5 | Result Flagging Label: | RIN N/A |

Fragment table for sample 2 : pro repeat 2

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 39.27 | 40.53 | 5.9 | 12.9 |
| 28S | 44.58 | 46.77 | 2.9 | 6.3 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : pro 15 repeat 1**

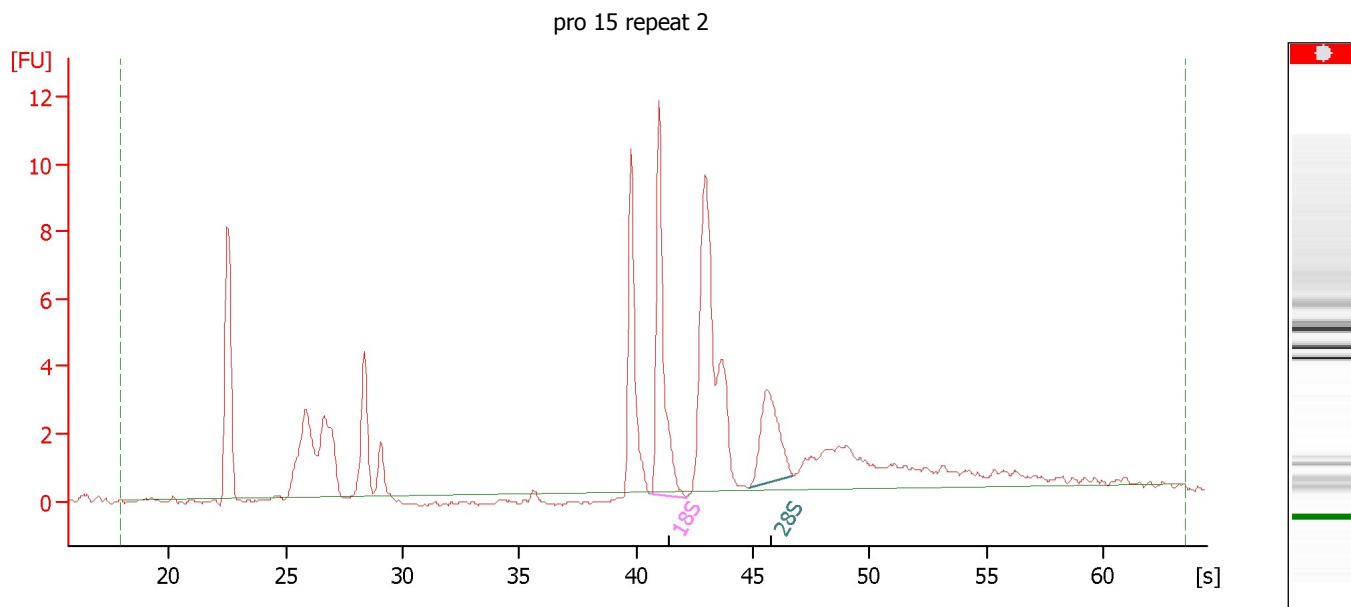
| | | | |
|-------------------------|----------|-----------------------------|---------------|
| RNA Area: | 83.2 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 54 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.2 | Result Flagging Label: | RIN N/A |


Fragment table for sample 3 : pro 15 repeat 1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.60 | 42.22 | 14.8 | 17.8 |
| 28S | 44.40 | 46.76 | 3.5 | 4.2 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : pro 15 repeat 2**

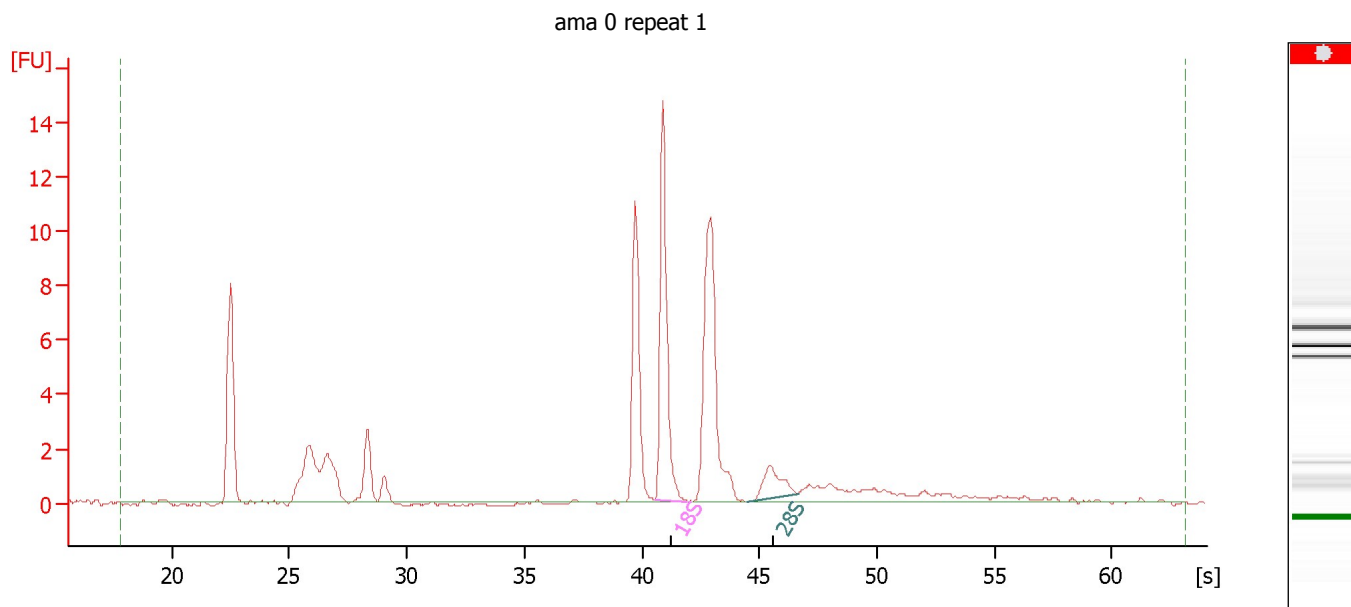
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 76.3 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 50 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 0.5 | Result Flagging Label: | RIN N/A |


Fragment table for sample 4 : pro 15 repeat 2

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.63 | 42.15 | 10.4 | 13.7 |
| 28S | 44.86 | 46.75 | 5.5 | 7.2 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : ama 0 repeat 1**

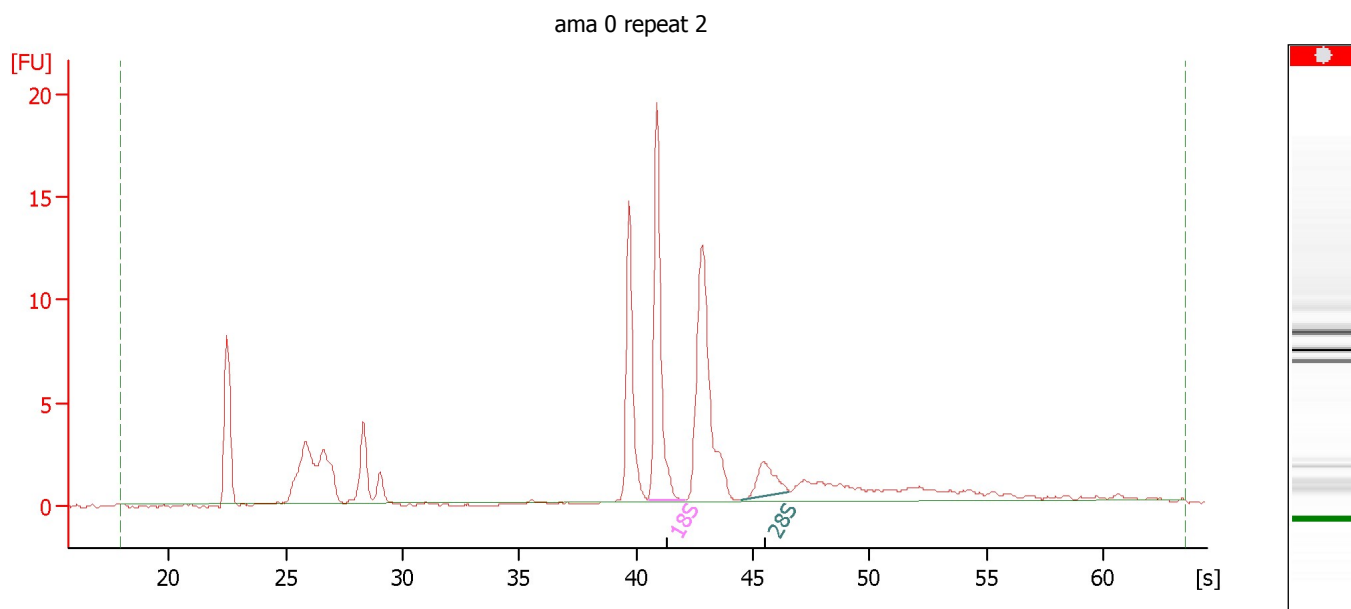
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 59.0 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 38 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 0.2 | Result Flagging Label: | RIN N/A |

Fragment table for sample 5 : ama 0 repeat 1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.52 | 41.94 | 11.7 | 19.8 |
| 28S | 44.50 | 46.65 | 2.4 | 4.0 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : ama 0 repeat 2**

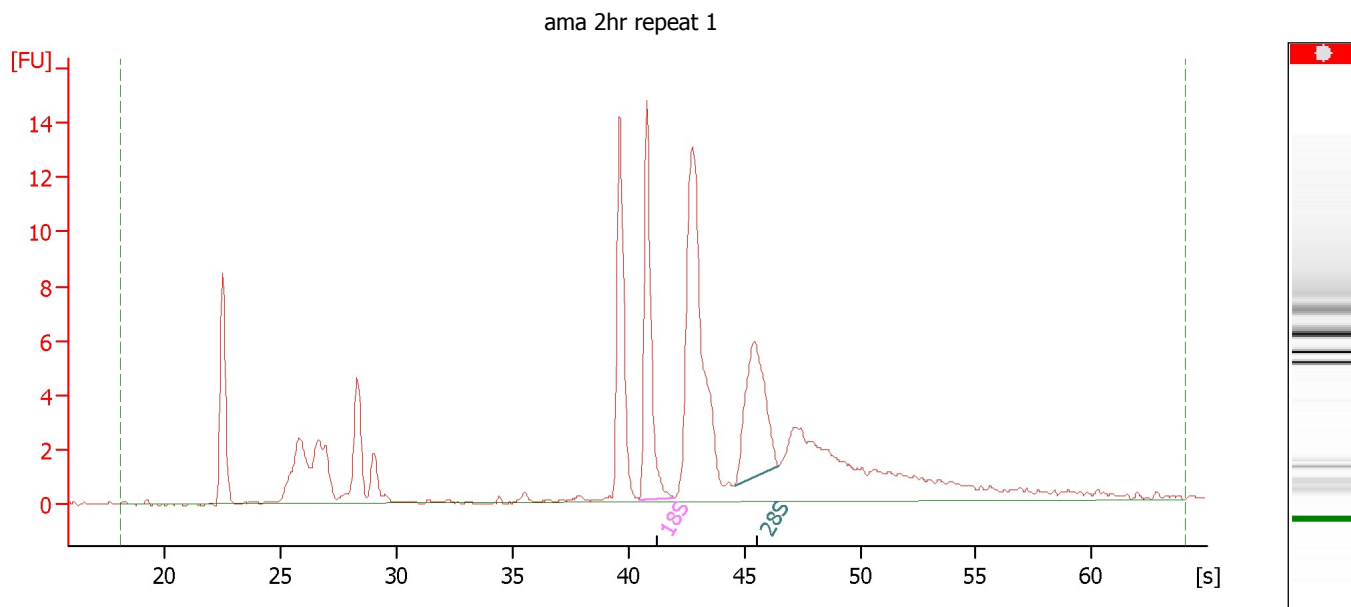
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 86.6 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 56 ng/μl | Result Flagging Color: | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.2 | Result Flagging Label: | RIN N/A |


Fragment table for sample 6 : ama 0 repeat 2

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.54 | 42.10 | 16.6 | 19.2 |
| 28S | 44.49 | 46.56 | 3.2 | 3.7 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : ama 2hr repeat 1**

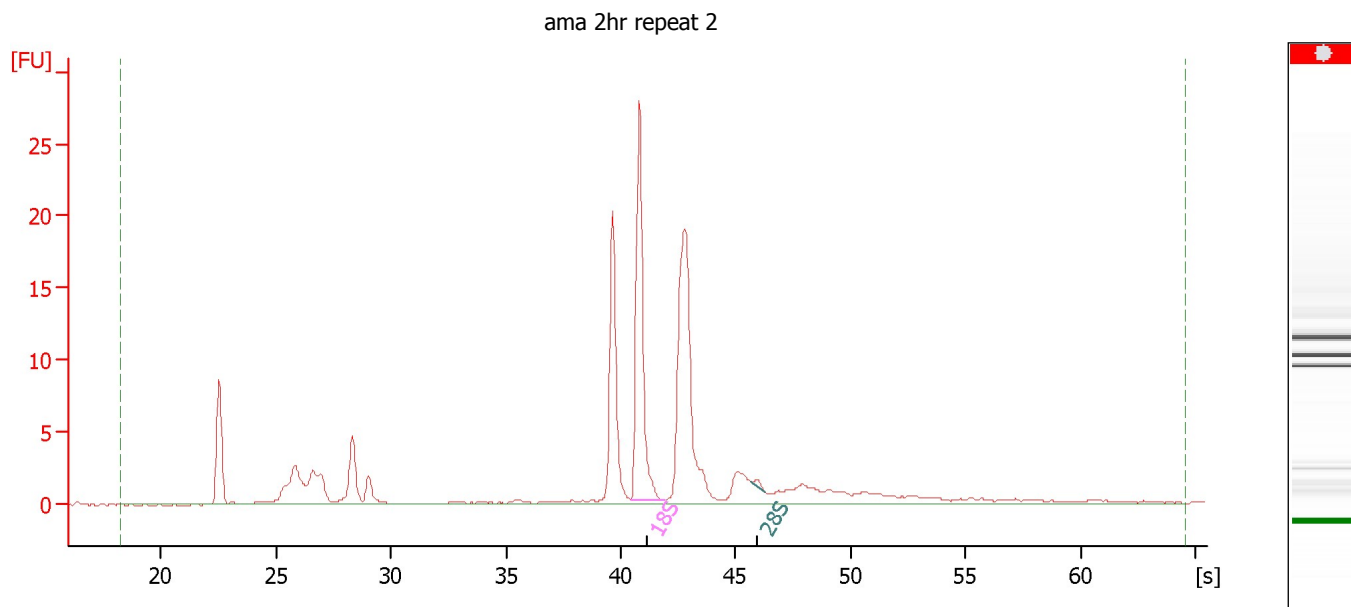
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 115.2 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 75 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 0.9 | Result Flagging Label: | RIN N/A |

Fragment table for sample 7 : ama 2hr repeat 1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.45 | 41.98 | 12.0 | 10.4 |
| 28S | 44.58 | 46.53 | 10.9 | 9.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : ama 2hr repeat 2**

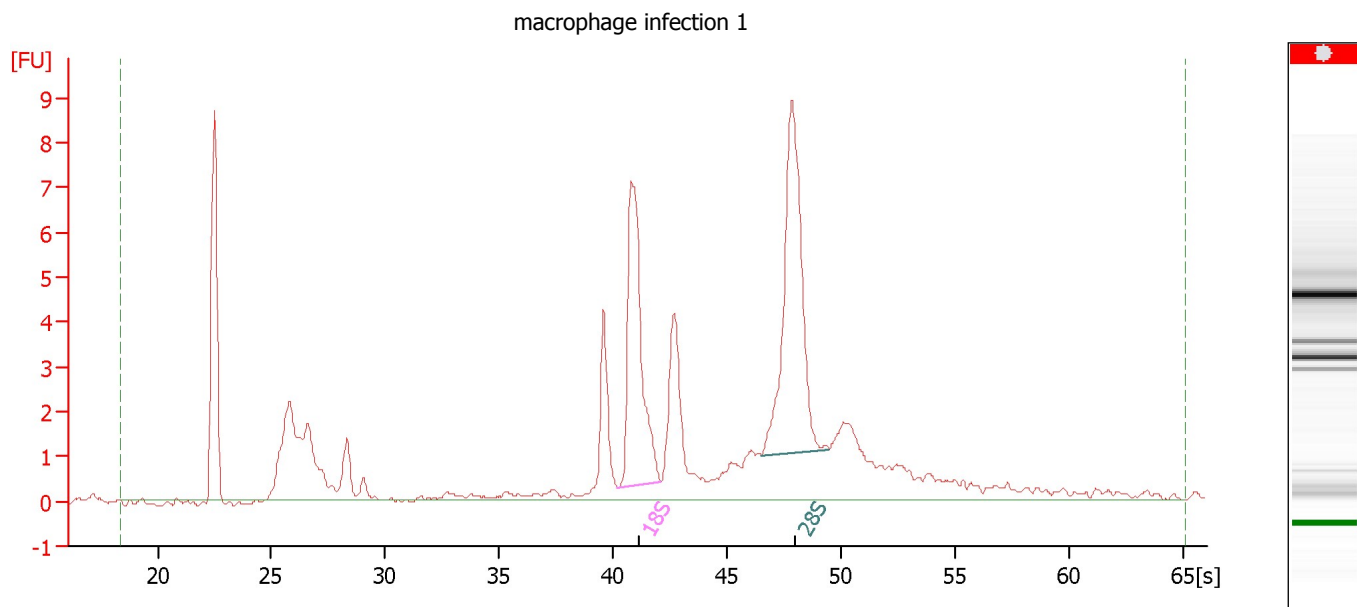
| | | | |
|-------------------------|----------|-----------------------------|---------------|
| RNA Area: | 114.1 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 74 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN N/A |

Fragment table for sample 8 : ama 2hr repeat 2

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.46 | 41.91 | 22.1 | 19.3 |
| 28S | 45.70 | 46.31 | 0.3 | 0.3 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : macrophage infection 1**

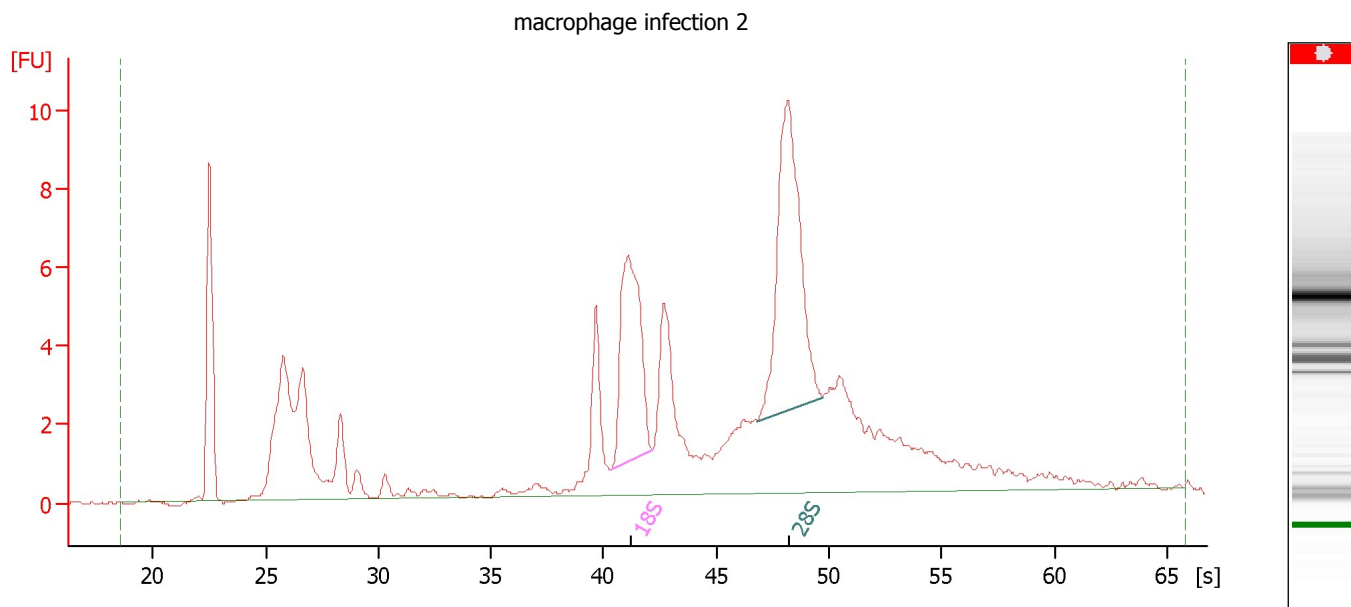
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 78.3 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 51 ng/μl | Result Flagging Color: | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.3 | Result Flagging Label: | RIN N/A |


Fragment table for sample 9 : macrophage infection 1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.19 | 42.12 | 11.5 | 14.7 |
| 28S | 46.51 | 49.48 | 14.6 | 18.7 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : macrophage infection 2**

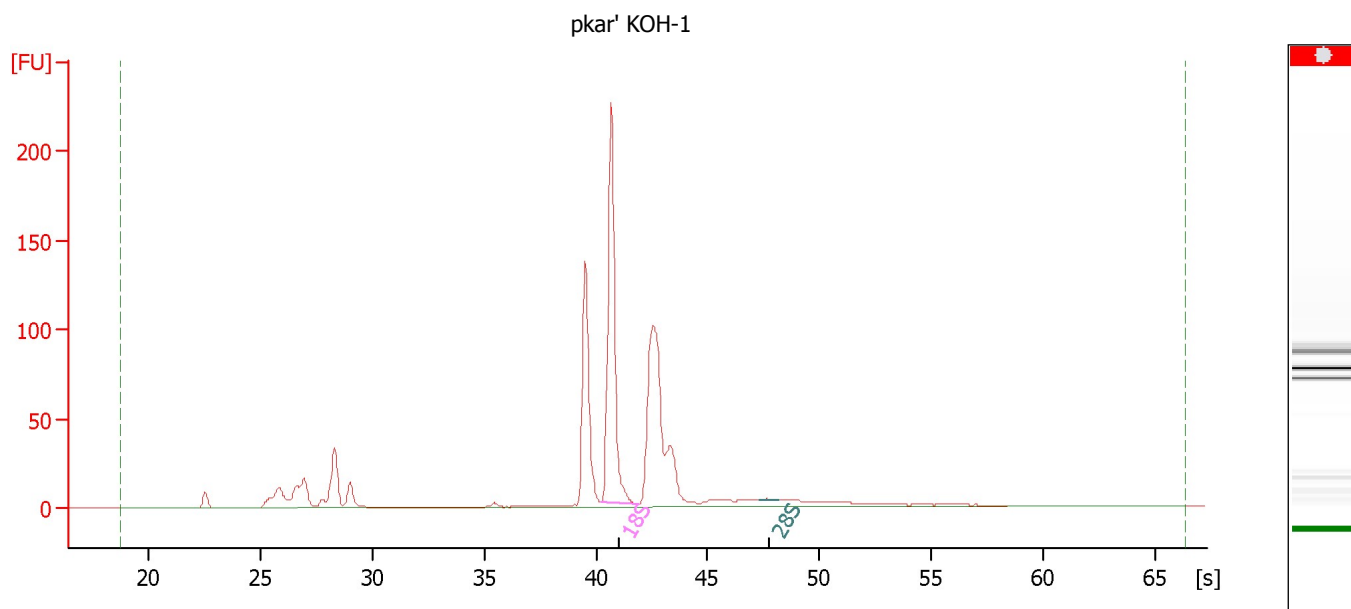
| | | | |
|-------------------------|----------|-----------------------------|--|
| RNA Area: | 123.7 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 80 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 1.5 | Result Flagging Label: | RIN N/A |

Fragment table for sample 10 : macrophage infection 2

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S | 40.33 | 42.14 | 12.8 | 10.3 |
| 28S | 46.81 | 49.72 | 18.9 | 15.3 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : pkar' KOH-1**

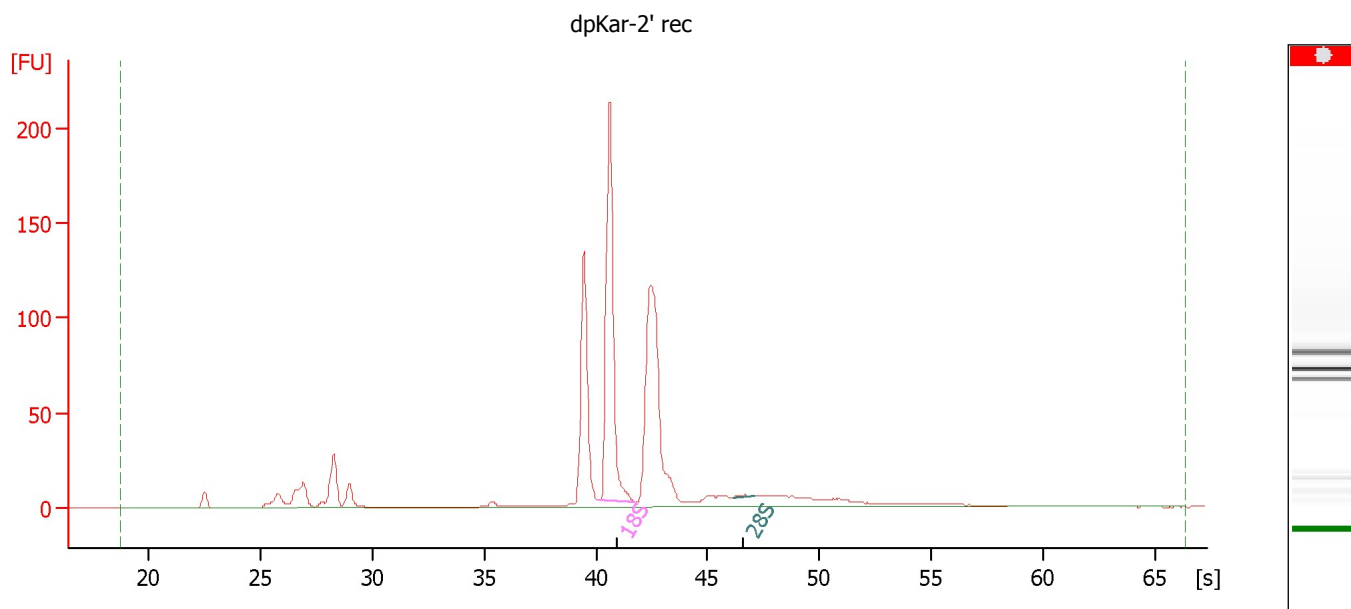
| | | | |
|-------------------------|-----------|-----------------------------|--|
| RNA Area: | 738.6 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 479 ng/μl | Result Flagging Color: | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN N/A |


Fragment table for sample 11 : pkar' KOH-1

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|-------|-----------------|
| 18S | 40.19 | 41.88 | 193.6 | 26.2 |
| 28S | 47.26 | 48.17 | 0.6 | 0.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : dpKar-2' rec**

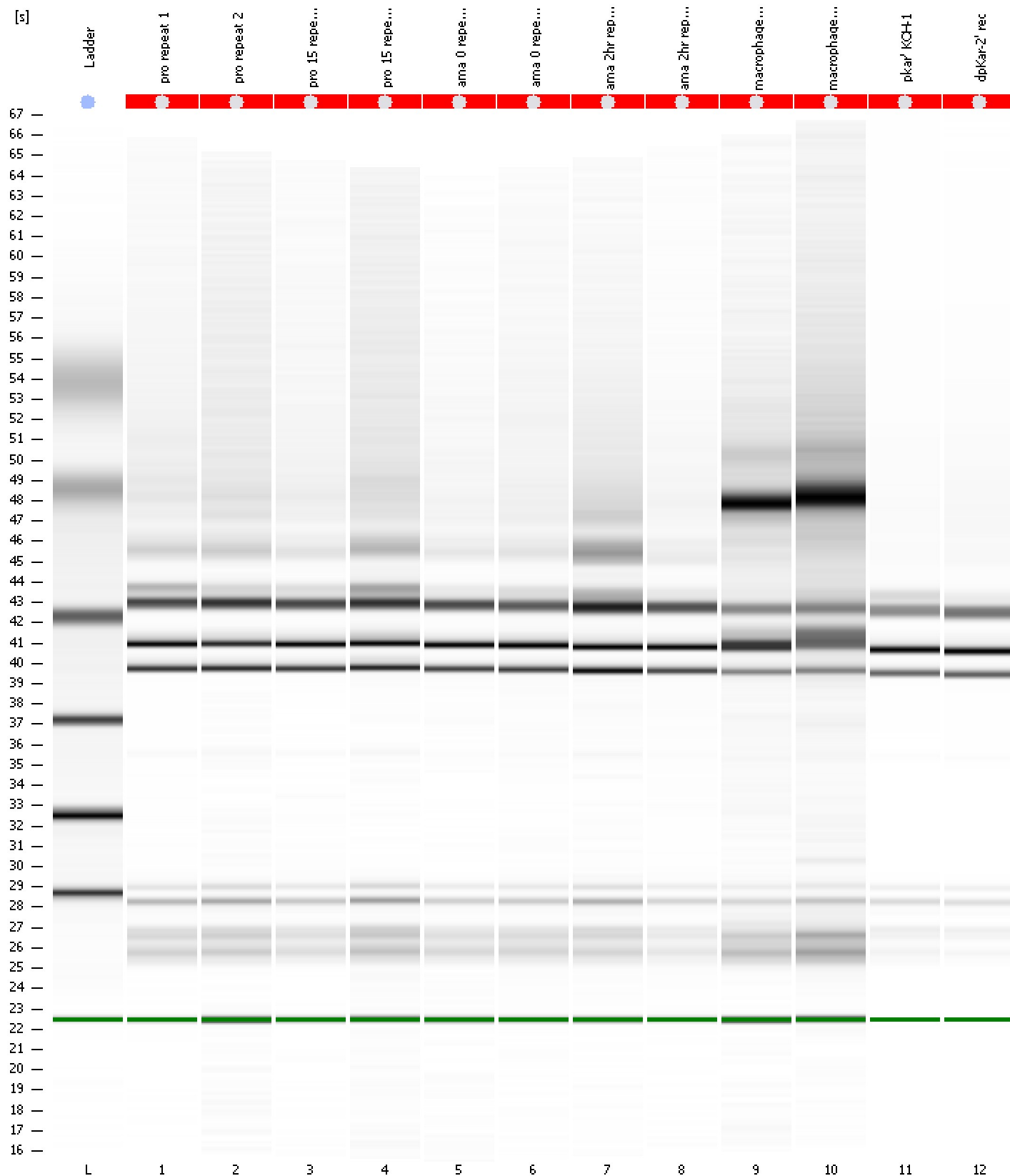
| | | | |
|-------------------------|-----------|-----------------------------|--|
| RNA Area: | 731.4 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 475 ng/μl | Result Flagging Color: |  |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN N/A |

Fragment table for sample 12 : dpKar-2' rec

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|-------|-----------------|
| 18S | 40.14 | 41.78 | 186.6 | 25.5 |
| 28S | 46.11 | 47.07 | 1.0 | 0.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2014-03-11_16-03-48.xad

Created: 3/11/2014 4:03:47 PM
Modified: 3/11/2014 4:27:54 PM

Curves

Standard Curve

