

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-22\2014-10-22_001.xad

Created: 10/22/2014 9:01:05 AM
Modified: 10/22/2014 9:19:50 AM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

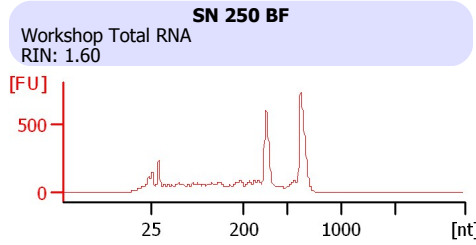
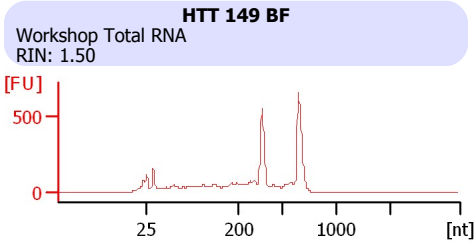
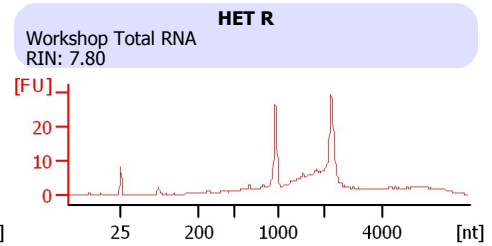
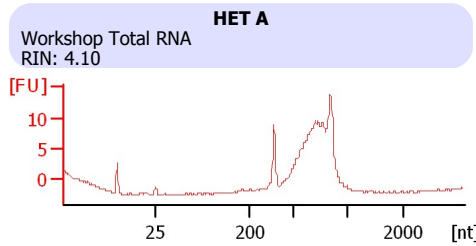
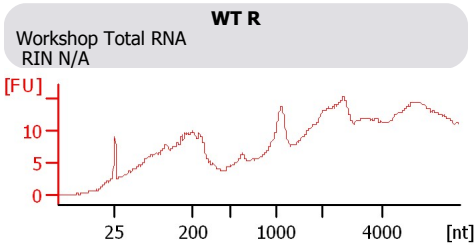
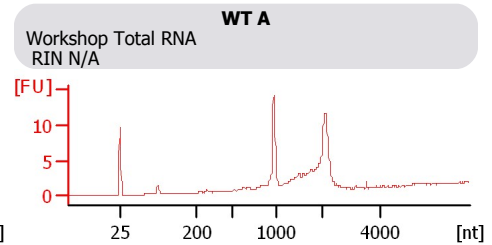
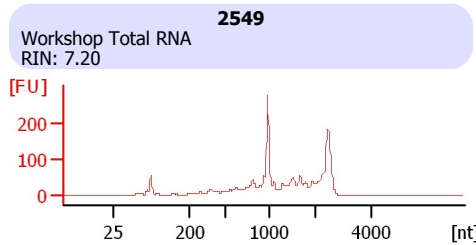
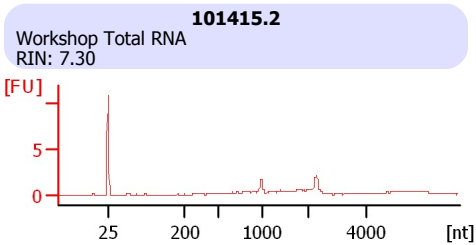
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|--------------------|--------|-------------------|--------------|
| 101415.2 | Workshop Total RNA | ✓ | RIN: 7.30 | |
| 2549 | Workshop Total RNA | ✓ | RIN: 7.20 | |
| WT A | Workshop Total RNA | ✓ | RIN N/A | |
| WT R | Workshop Total RNA | ✓ | RIN N/A | |
| HET A | Workshop Total RNA | ✓ | RIN: 4.10 | |
| HET R | Workshop Total RNA | ✓ | RIN: 7.80 | |
| HTT 149 BF | Workshop Total RNA | ✓ | RIN: 1.50 | |
| SN 250 BF | Workshop Total RNA | ✓ | RIN: 1.60 | |
| Sample 9 | | | | |
| Sample 10 | | | | |
| Sample 11 | | | | |
| Ladder | | ✓ | All Other Samples | |

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] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 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

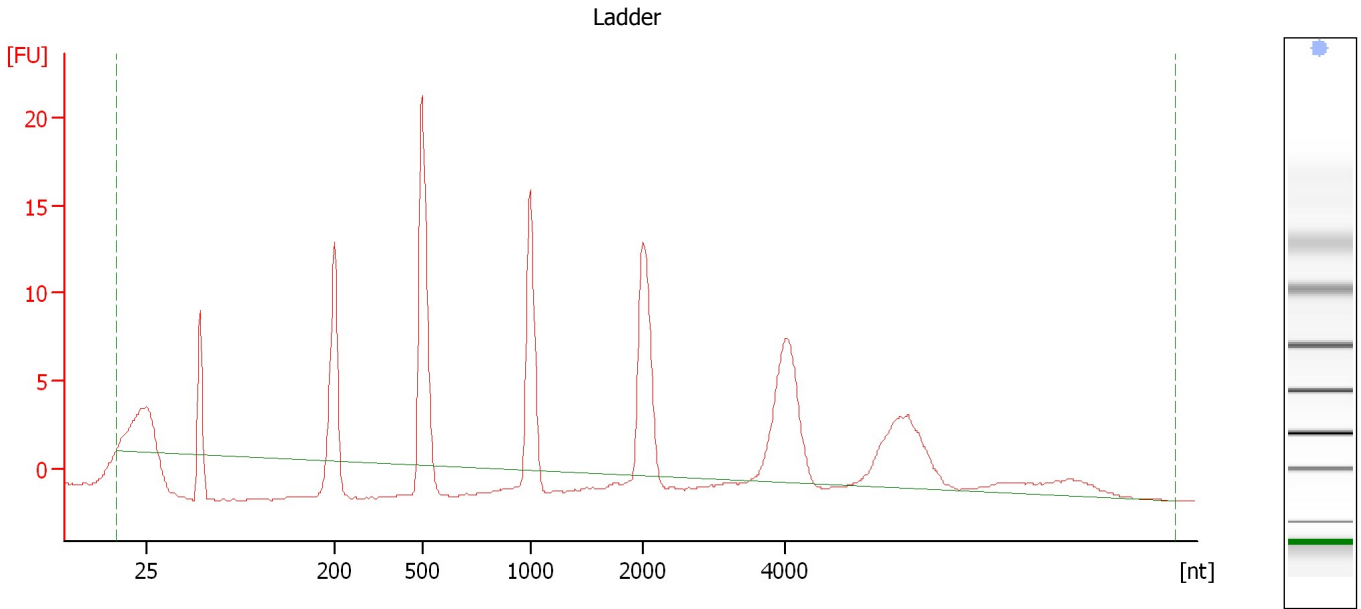
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

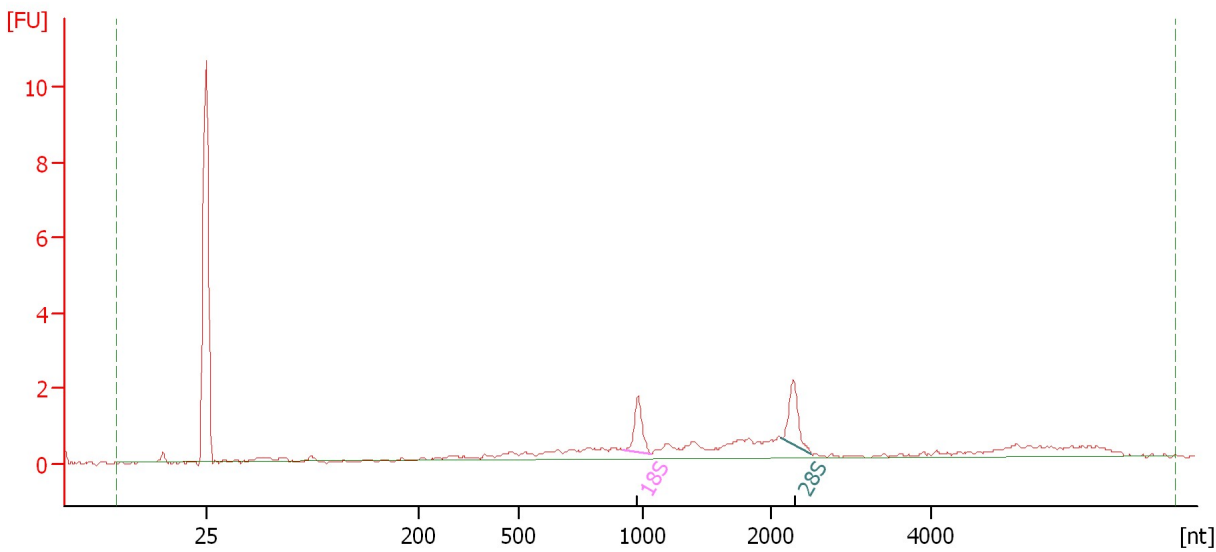
| | | | |
|--------------------|-------------------|------------------------|---|
| RNA Area: | 123.6 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/ μ l | Result Flagging Label: | All Other Samples |

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Electropherogram Summary Continued ...

101415.2 [Workshop Total RNA]



Overall Results for sample 1 : 101415.2

RNA Area: 17.0 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 138 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.30

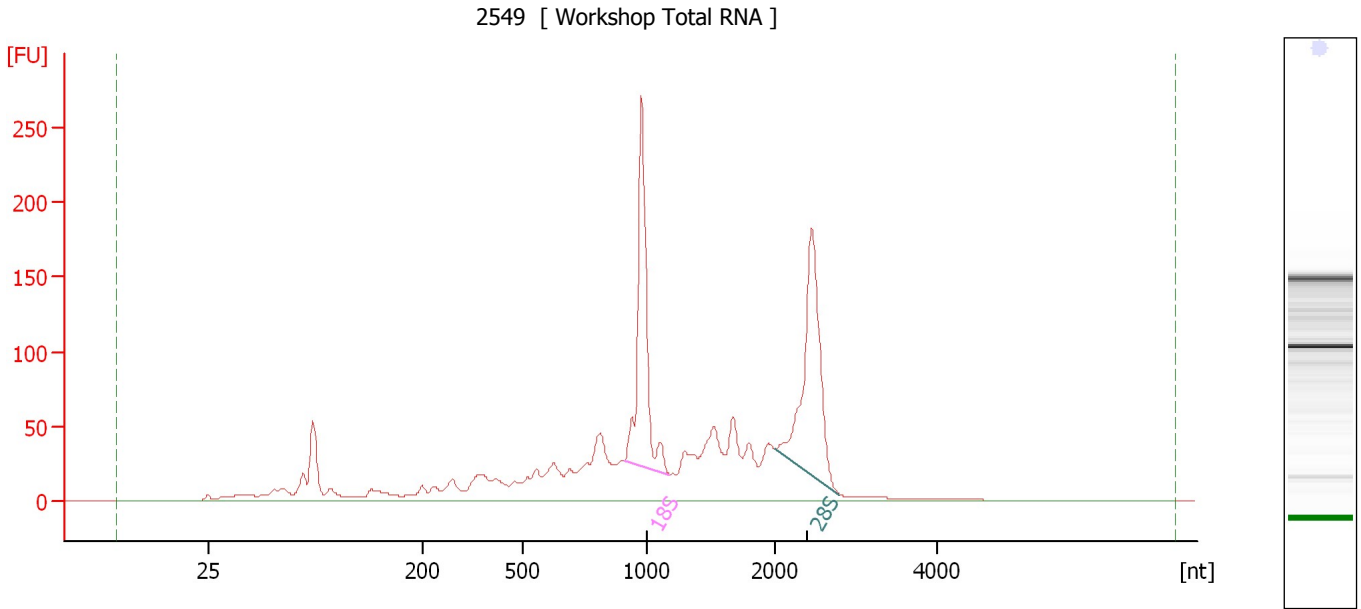
Fragment table for sample 1 : 101415.2

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 924 | 1,071 | 1.5 | 8.6 |
| 28S | 2,138 | 2,509 | 1.7 | 10.1 |

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 2549

RNA Area: 1,749.4 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 14,157 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.20

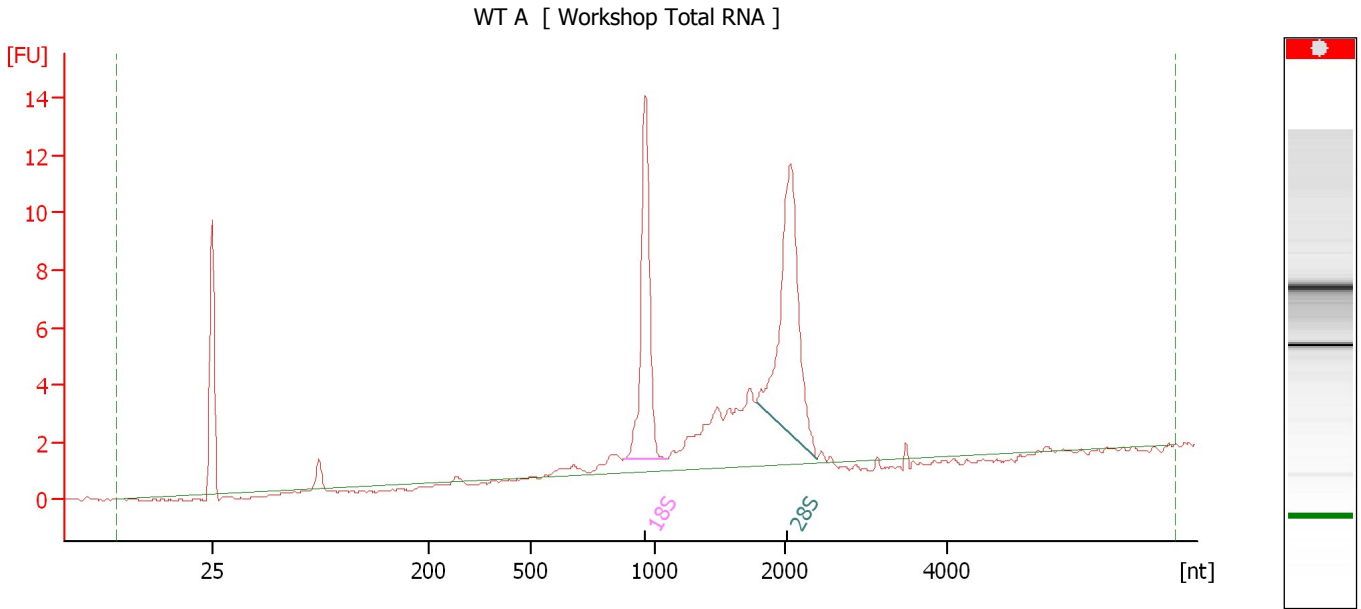
Fragment table for sample 2 : 2549

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 912 | 1,181 | 255.3 | 14.6 |
| 28S | 2,002 | 2,794 | 275.5 | 15.8 |

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 3 : WT A

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 57.5 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 465 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.4 | Result Flagging Label: | RIN N/A |

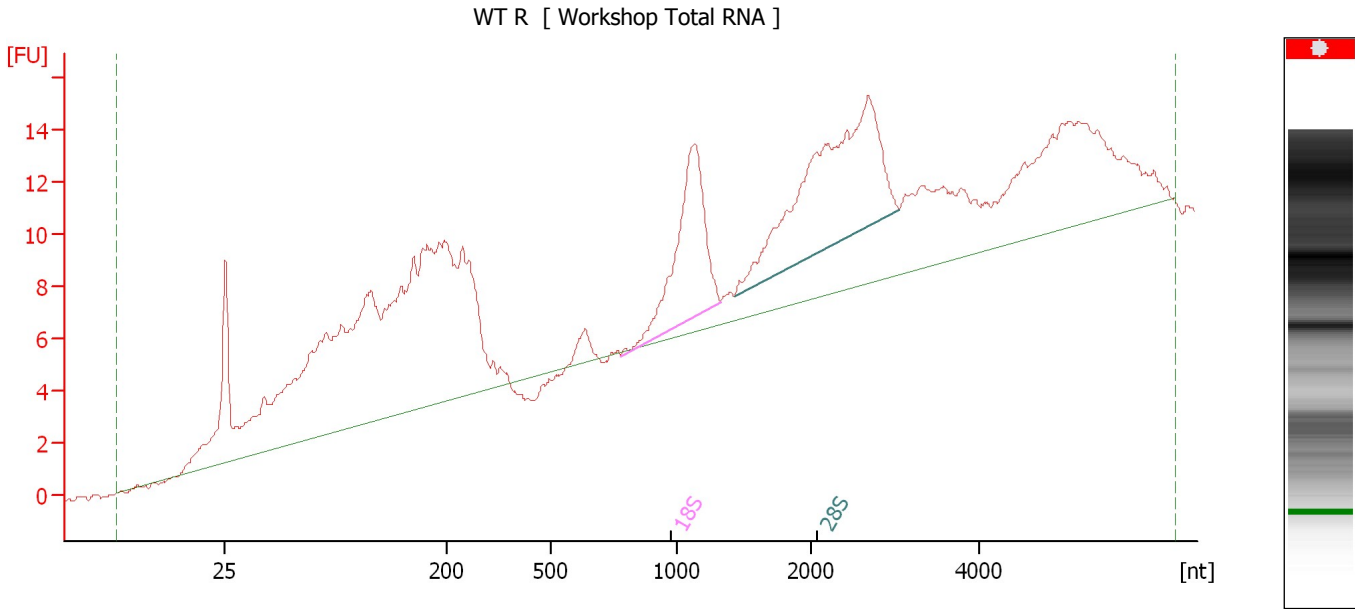
Fragment table for sample 3 : WT A

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 885 | 1,094 | 12.8 | 22.2 |
| 28S | 1,784 | 2,402 | 18.0 | 31.3 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-22\2014-10-22_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : WT R

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 288.9 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 2,338 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.7 | Result Flagging Label: | RIN N/A |

Fragment table for sample 4 : WT R

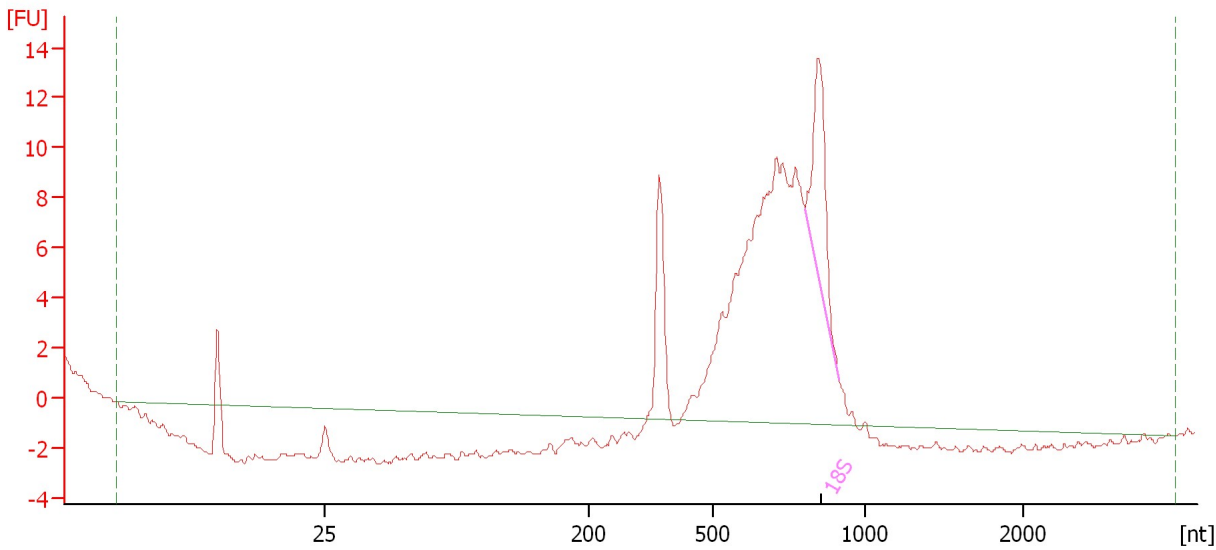
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 773 | 1,321 | 21.6 | 7.5 |
| 28S | 1,425 | 3,038 | 37.0 | 12.8 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-22\2014-10-22_001.xad

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Electropherogram Summary Continued ...

HET A [Workshop Total RNA]



Overall Results for sample 5 : HET A

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 108.8 | RNA Integrity Number (RIN): | 4.1 (B.02.08) |
| RNA Concentration: | 880 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 4.10 |

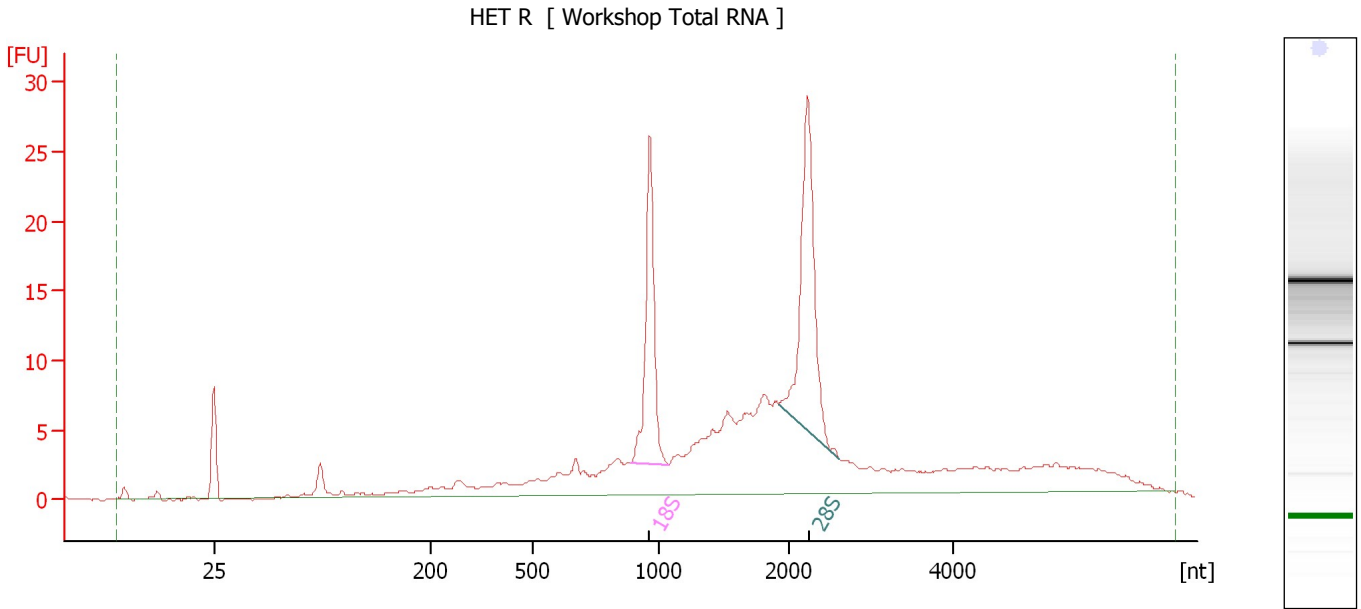
Fragment table for sample 5 : HET A

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 802 | 911 | 11.1 | 10.2 |

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 6 : HET R

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 224.5 | RNA Integrity Number (RIN): | 7.8 (B.02.08) |
| RNA Concentration: | 1,817 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.4 | Result Flagging Label: | RIN: 7.80 |

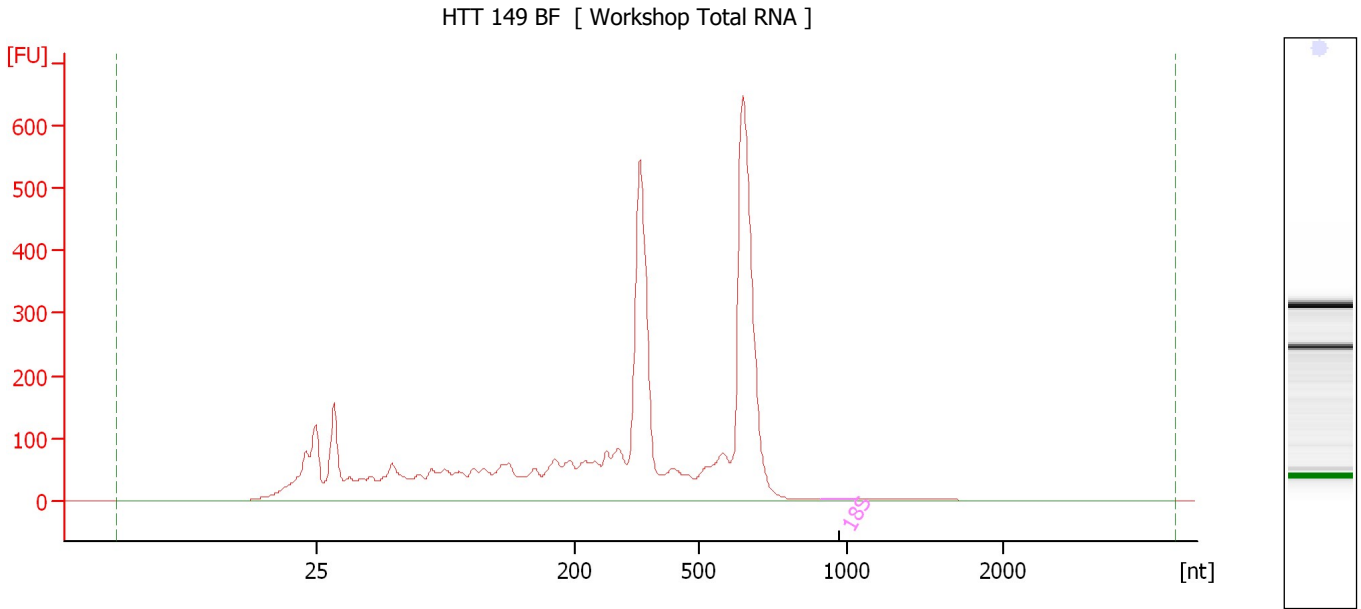
Fragment table for sample 6 : HET R

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 891 | 1,079 | 24.5 | 10.9 |
| 28S | 1,922 | 2,605 | 33.3 | 14.8 |

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 7 : HTT 149 BF

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 4,263.9 | RNA Integrity Number (RIN): | 1.5 (B.02.08) |
| RNA Concentration: | 34,505 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.50 |

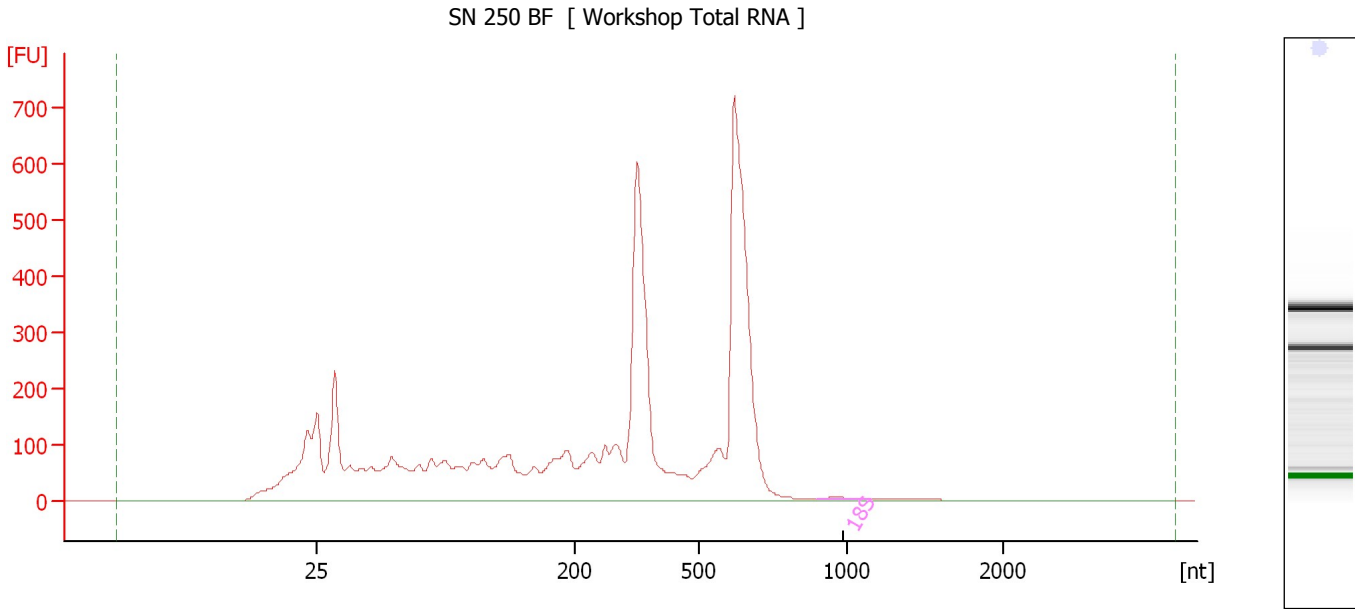
Fragment table for sample 7 : HTT 149 BF

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 909 | 1,059 | 1.7 | 0.0 |

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Electropherogram Summary Continued ...



Overall Results for sample 8 : SN 250 BF

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 5,516.9 | RNA Integrity Number (RIN): | 1.6 (B.02.08) |
| RNA Concentration: | 44,645 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.60 |

Fragment table for sample 8 : SN 250 BF

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 902 | 1,155 | 4.6 | 0.1 |

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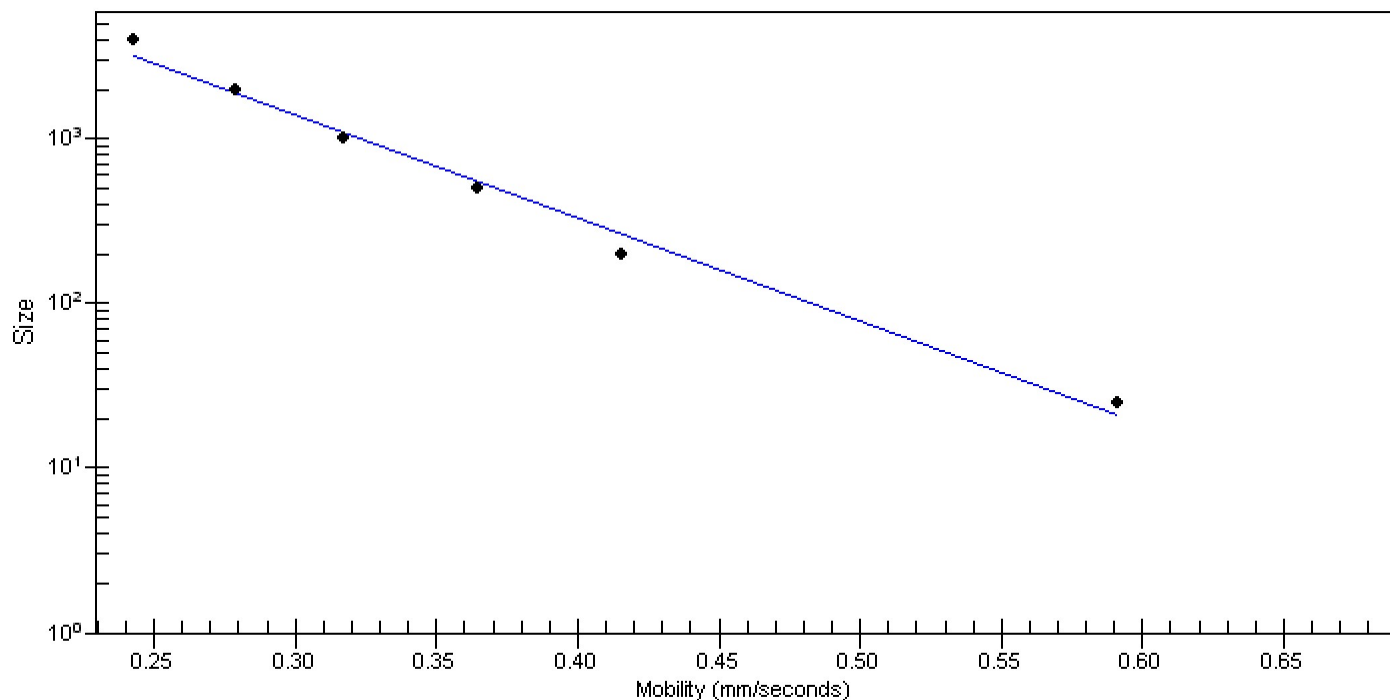
Gel Image

Assay Class: Eukaryote Total RNA Pico
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Curves

Standard Curve



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Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

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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: 9) | | Instrument | Run | | 10/22/2014 9:19:42 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-10-22\2014-10-22_001.xad) | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 10/22/2014 9:01:11 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |