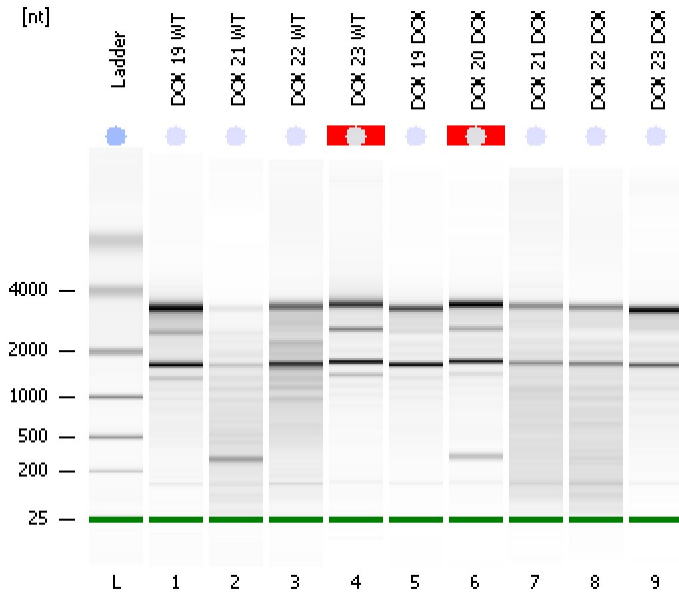


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 AM

Electrophoresis File Run Summary



Instrument Information:

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

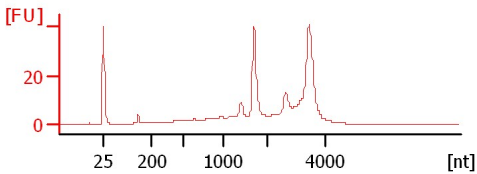
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

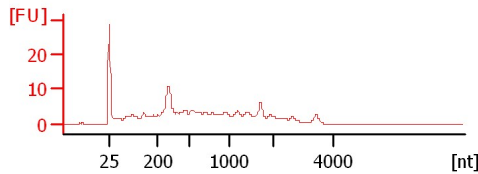
Chip Information:

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

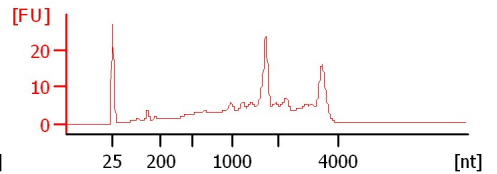
DOX 19 WT
RIN: 8.40



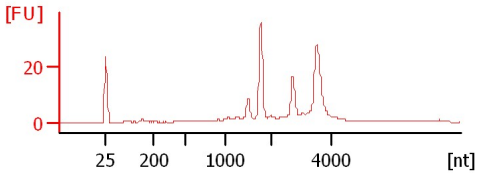
DOX 21 WT
RIN: 3.90



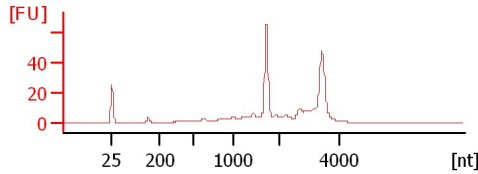
DOX 22 WT
RIN: 6.80



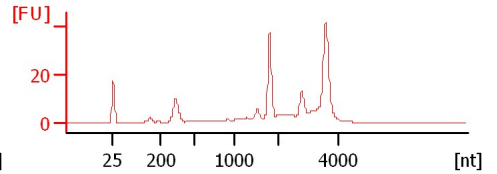
DOX 23 WT
RIN N/A



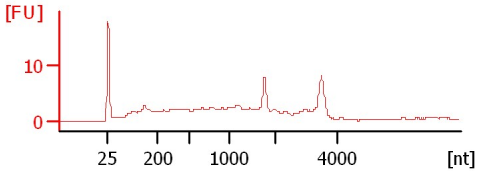
DOX 19 DOX
RIN: 8



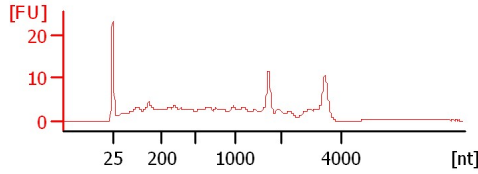
DOX 20 DOX
RIN N/A



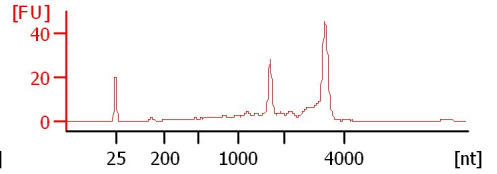
DOX 21 DOX
RIN: 6.30



DOX 22 DOX
RIN: 7



DOX 23 DOX
RIN: 8.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| DOX 19 WT | | ✓ | RIN: 8.40 | |
| DOX 21 WT | | ✓ | RIN: 3.90 | |
| DOX 22 WT | | ✓ | RIN: 6.80 | |
| DOX 23 WT | | ✓ | RIN N/A | |
| DOX 19 DOX | | ✓ | RIN:8 | |
| DOX 20 DOX | | ✓ | RIN N/A | |
| DOX 21 DOX | | ✓ | RIN: 6.30 | |
| DOX 22 DOX | | ✓ | RIN:7 | |
| DOX 23 DOX | | ✓ | RIN: 8.20 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 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

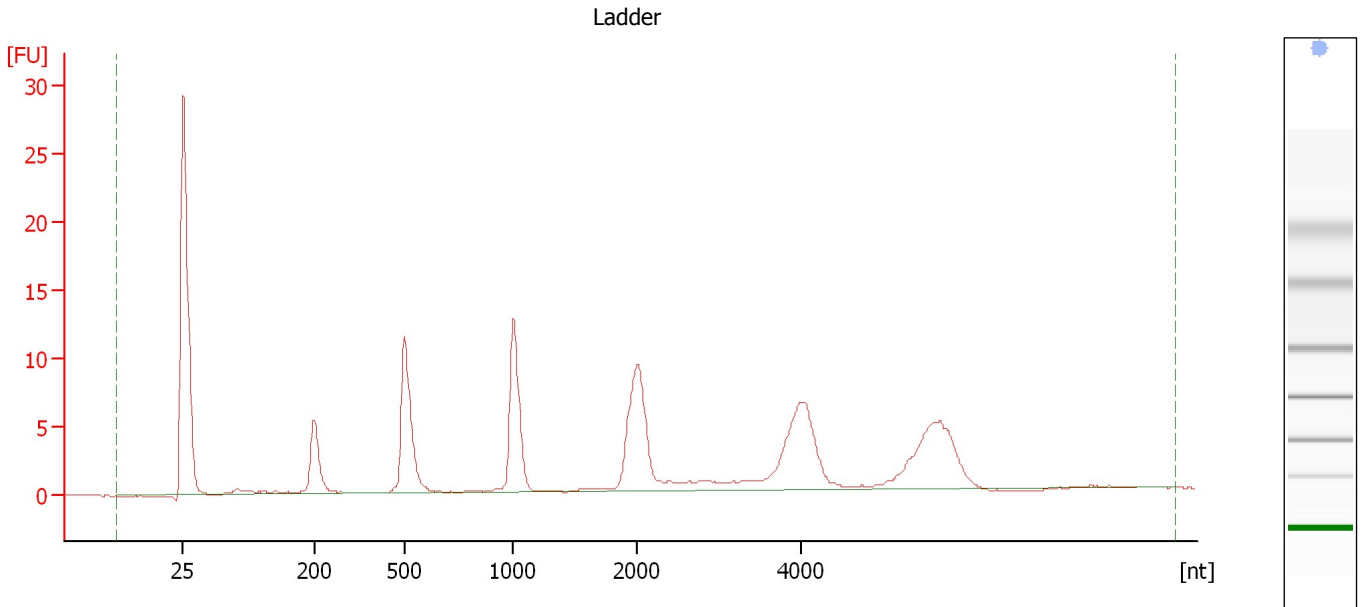
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary



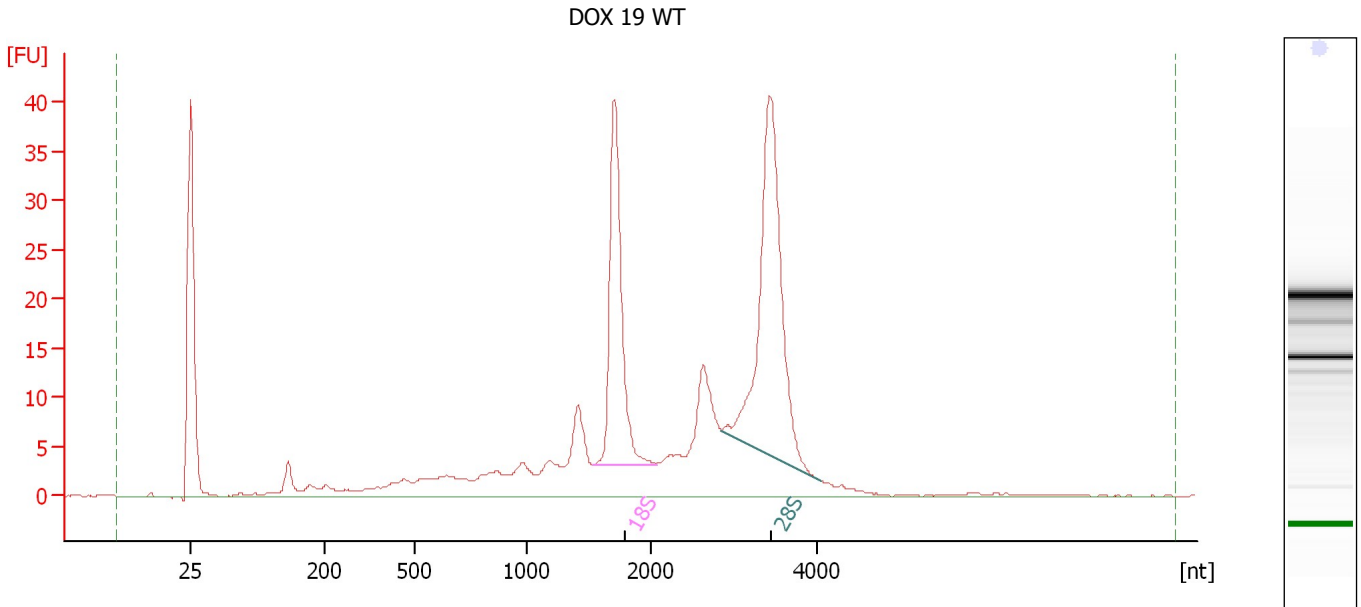
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|--|
| RNA Area: | 119.2 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DOX 19 WT

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 331.0 | RNA Integrity Number (RIN): | 8.4 (B.02.08) |
| RNA Concentration: | 2,777 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.6 | Result Flagging Label: | RIN: 8.40 |

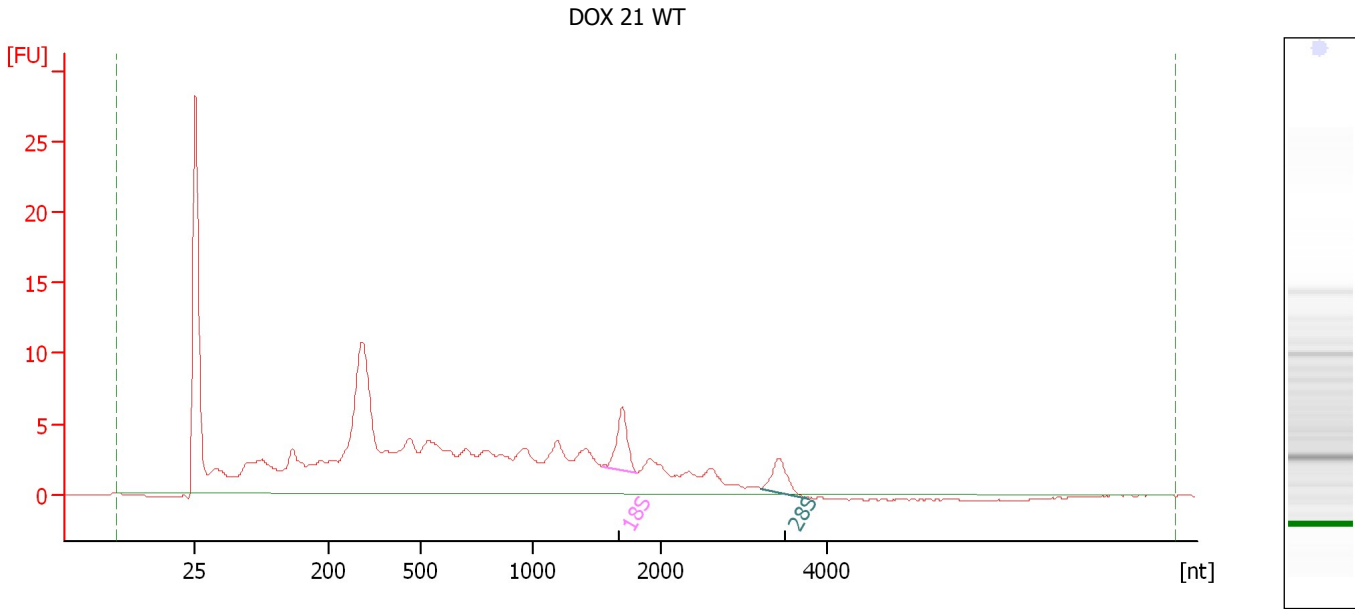
Fragment table for sample 1 : DOX 19 WT

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,528 | 2,056 | 53.5 | 16.2 |
| 28S | 2,842 | 4,026 | 84.7 | 25.6 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DOX 21 WT

RNA Area: 199.2 RNA Integrity Number (RIN): 3.9 (B.02.08)
RNA Concentration: 1,672 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 3.90

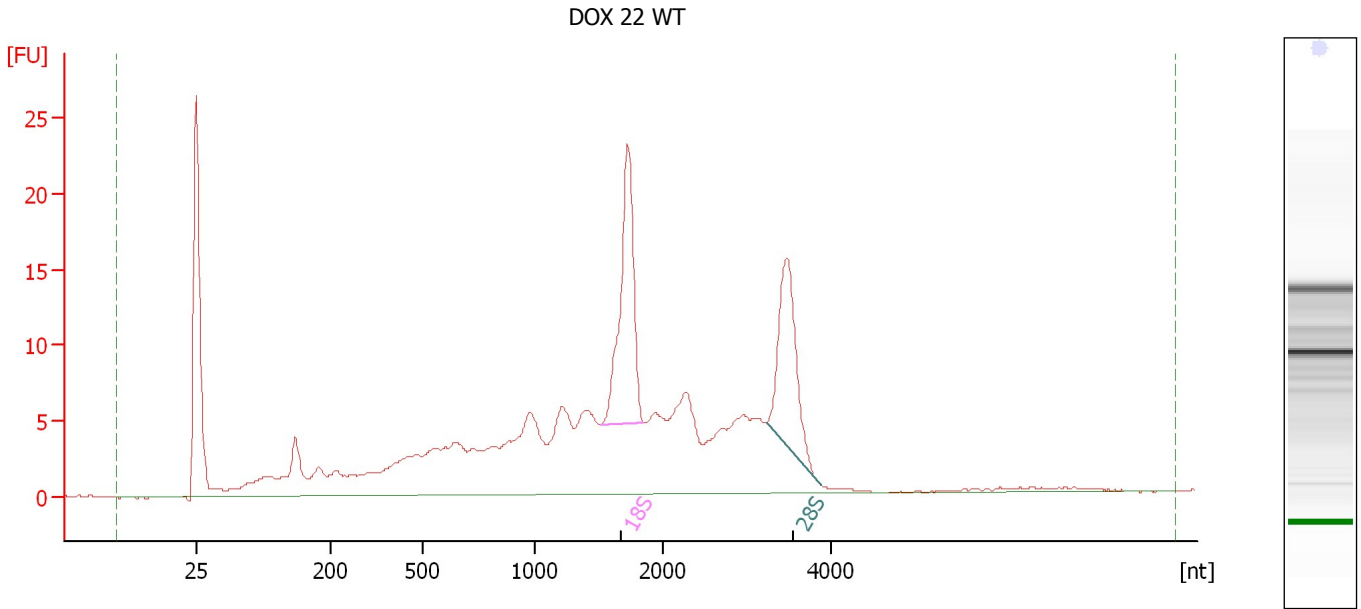
Fragment table for sample 2 : DOX 21 WT

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,542 | 1,811 | 5.8 | 2.9 |
| 28S | 3,195 | 3,782 | 3.9 | 1.9 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DOX 22 WT

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 285.0 | RNA Integrity Number (RIN): | 6.8 (B.02.08) |
| RNA Concentration: | 2,391 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.8 | Result Flagging Label: | RIN: 6.80 |

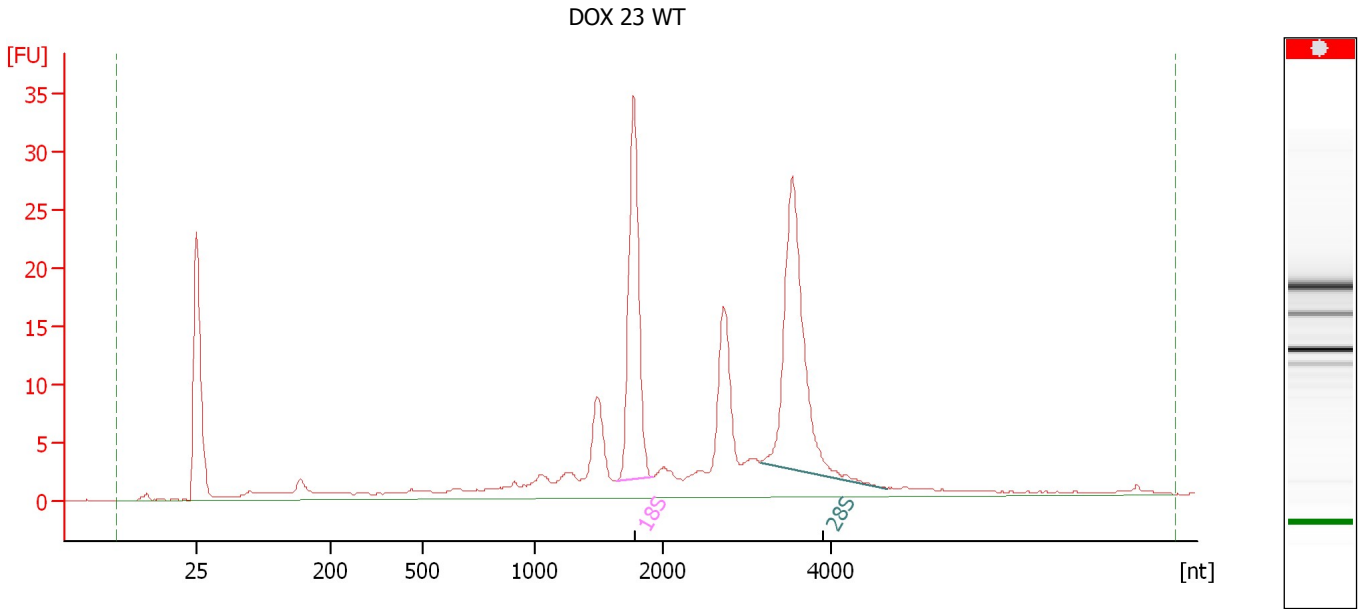
Fragment table for sample 3 : DOX 22 WT

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,518 | 1,854 | 29.7 | 10.4 |
| 28S | 3,244 | 3,893 | 23.3 | 8.2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DOX 23 WT

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 222.7 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 1,869 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.2 | Result Flagging Label: | RIN N/A |

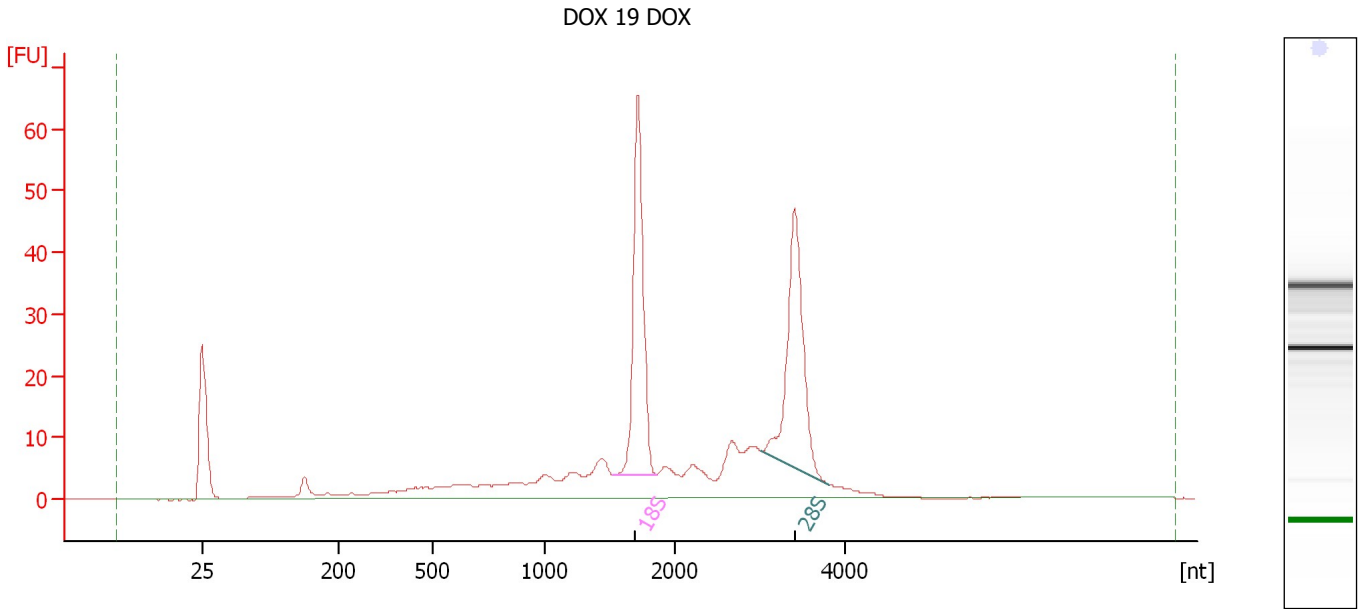
Fragment table for sample 4 : DOX 23 WT

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,636 | 1,930 | 41.2 | 18.5 |
| 28S | 3,167 | 4,670 | 50.2 | 22.5 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : DOX 19 DOX

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 353.5 | RNA Integrity Number (RIN): | 8 (B.02.08) |
| RNA Concentration: | 2,966 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.9 | Result Flagging Label: | RIN:8 |

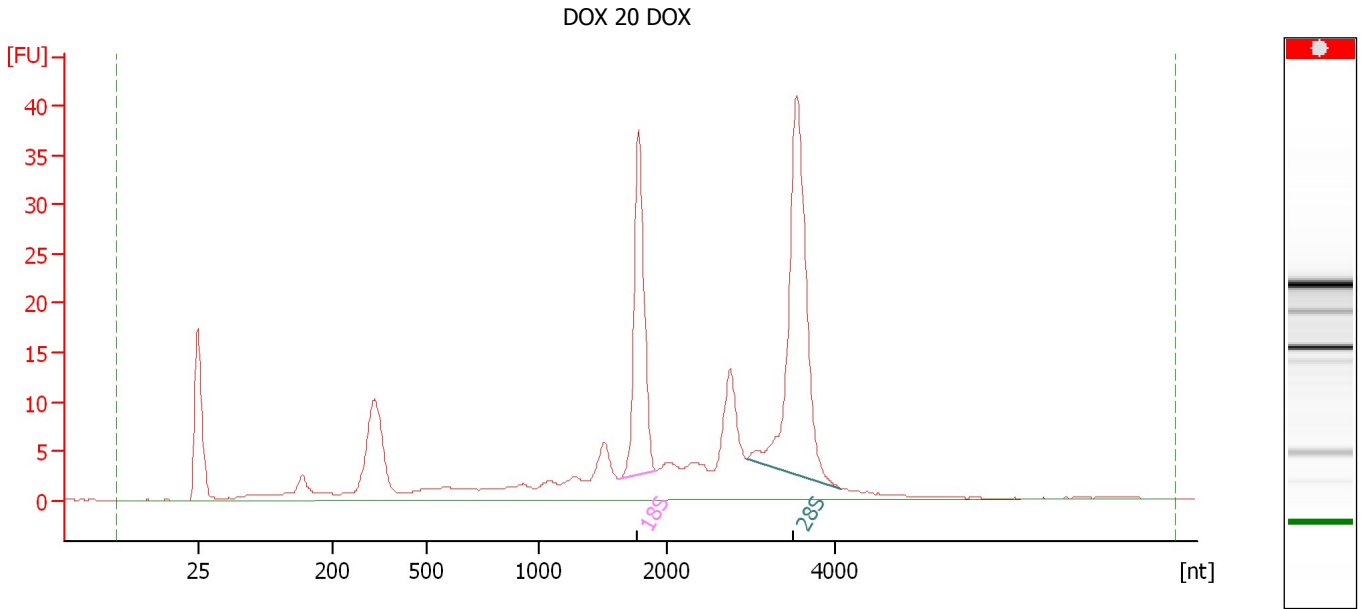
Fragment table for sample 5 : DOX 19 DOX

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,528 | 1,859 | 75.1 | 21.2 |
| 28S | 3,019 | 3,823 | 69.8 | 19.7 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : DOX 20 DOX

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 287.9 | RNA Integrity Number (RIN): | N/A (B.02.08) |
| RNA Concentration: | 2,416 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.7 | Result Flagging Label: | RIN N/A |

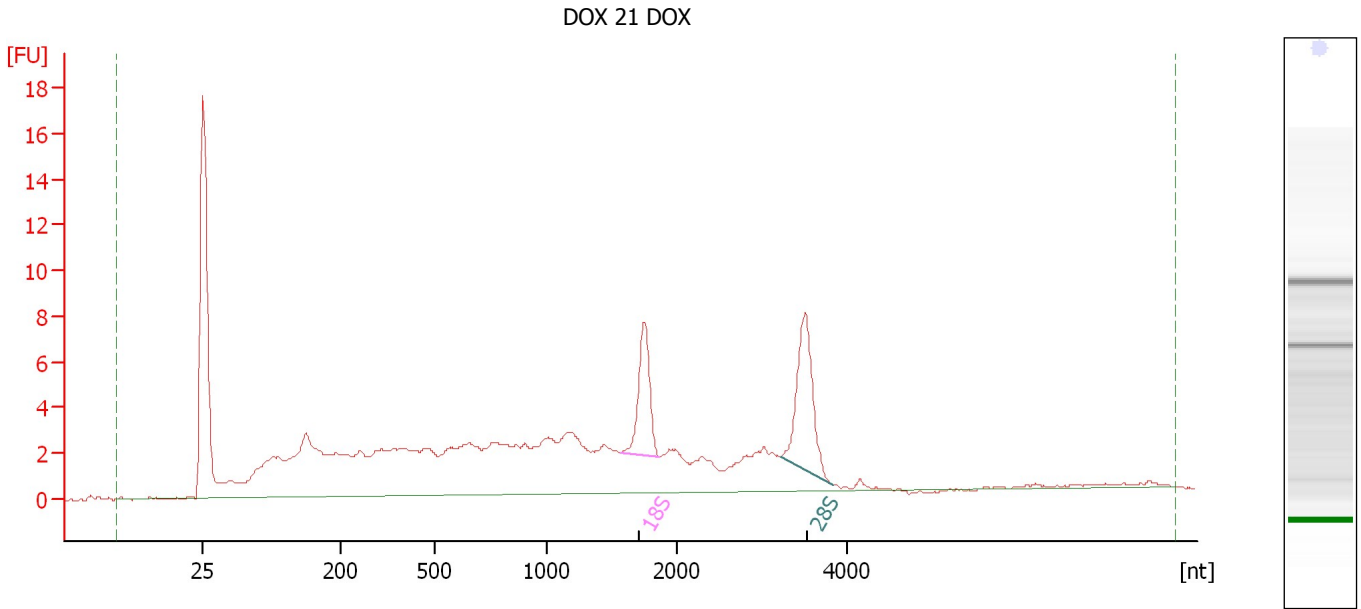
Fragment table for sample 6 : DOX 20 DOX

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,630 | 1,915 | 43.4 | 15.1 |
| 28S | 2,948 | 4,064 | 72.0 | 25.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : DOX 21 DOX

RNA Area: 158.2 RNA Integrity Number (RIN): 6.3 (B.02.08)
RNA Concentration: 1,328 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 6.30

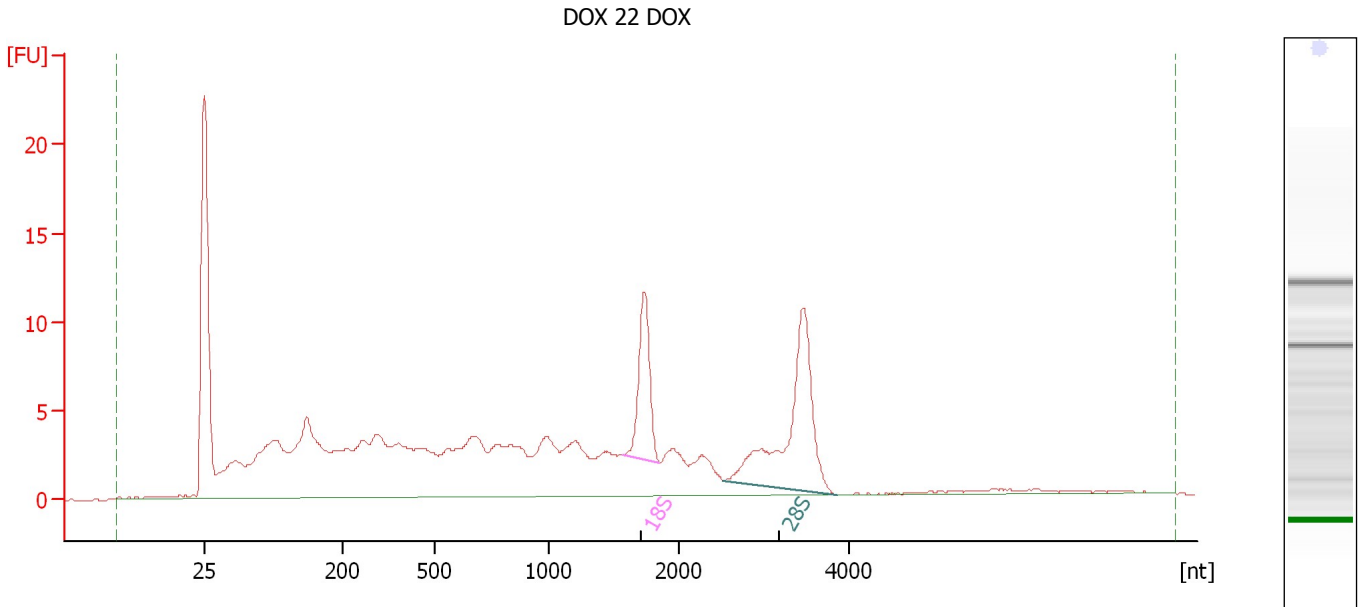
Fragment table for sample 7 : DOX 21 DOX

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,562 | 1,868 | 7.8 | 4.9 |
| 28S | 3,218 | 3,833 | 11.3 | 7.1 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : DOX 22 DOX

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 226.9 | RNA Integrity Number (RIN): | 7 (B.02.08) |
| RNA Concentration: | 1,904 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.2 | Result Flagging Label: | RIN:7 |

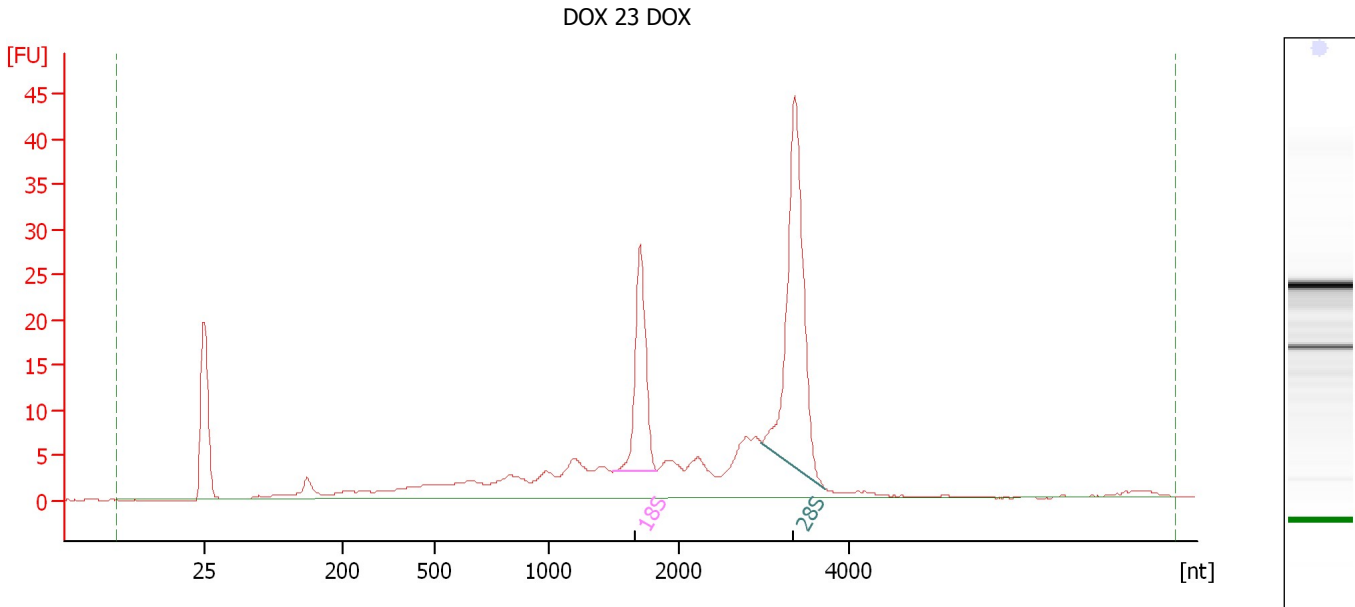
Fragment table for sample 8 : DOX 22 DOX

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,572 | 1,853 | 12.3 | 5.4 |
| 28S | 2,528 | 3,855 | 26.8 | 11.8 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
 Modified: 8/23/2017 11:44:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DOX 23 DOX

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 262.9 | RNA Integrity Number (RIN): | 8.2 (B.02.08) |
| RNA Concentration: | 2,206 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.1 | Result Flagging Label: | RIN: 8.20 |

Fragment table for sample 9 : DOX 23 DOX

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,498 | 1,836 | 32.4 | 12.3 |
| 28S | 2,966 | 3,704 | 69.5 | 26.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\2100 expert\data\2017-08-23\2017-08-23_001_CookRNA_1-9.xad

Created: 8/23/2017 11:16:01 AM
Modified: 8/23/2017 11:44:04 AM

Gel Image

