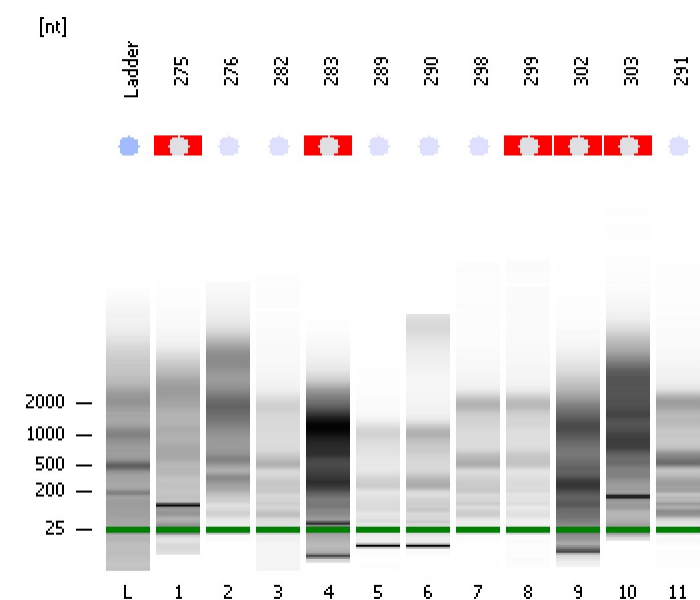


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-08-26_12-00-14.xad

Created: 8/26/2016 12:00:14 PM
Modified: 8/26/2016 12:47:35 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72902486
Serial#: DE72902486

Firmware: C.01.069
Type: G2939A

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)

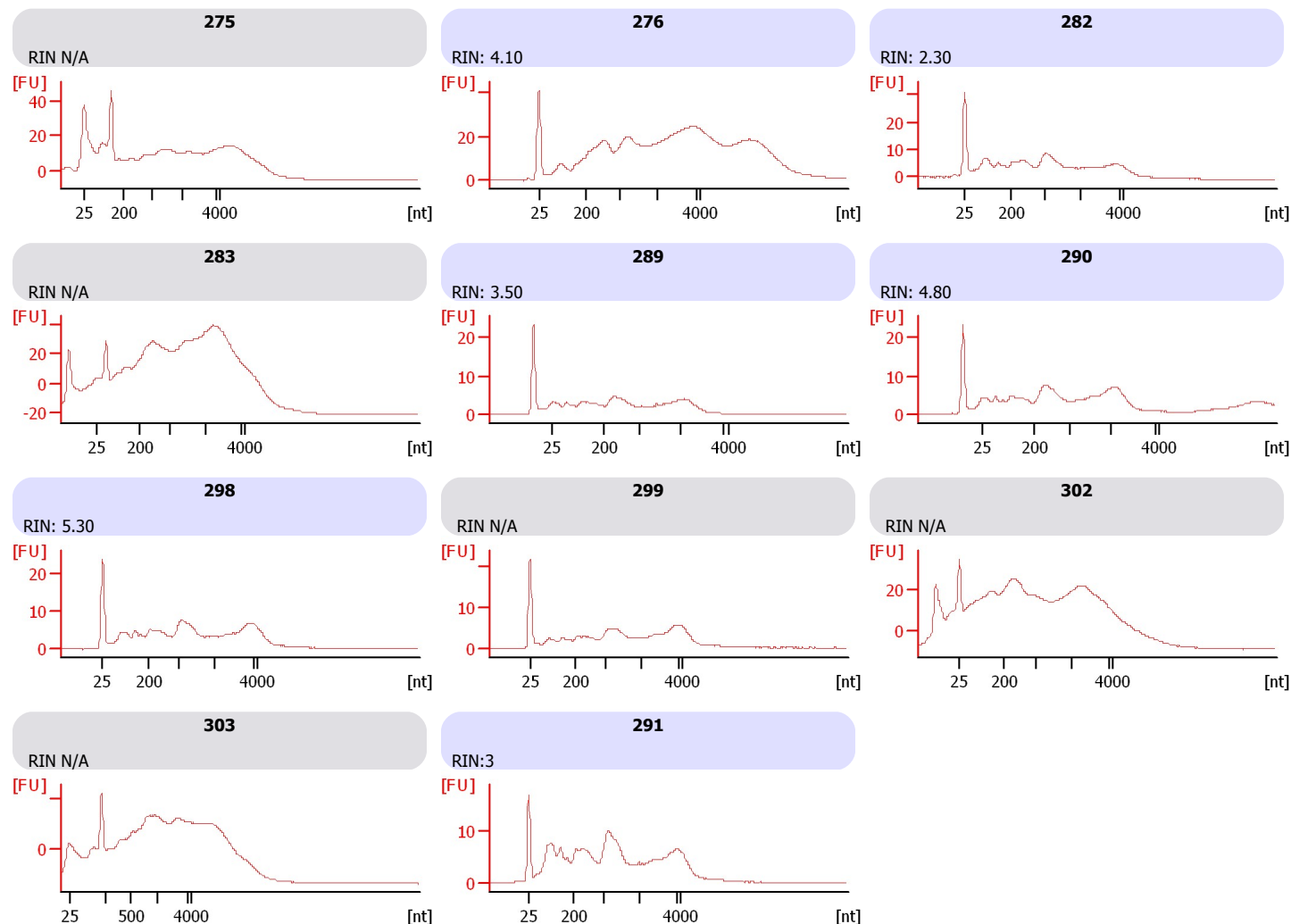
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-08-26_12-00-14.xad

Created: 8/26/2016 12:00:14 PM
Modified: 8/26/2016 12:47:35 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Stat Result Label | Result Color |
|-------------|----------------|-------------------|--------------|
| | | us | |
| 275 | | ✓ RIN N/A | |
| 276 | | ✓ RIN: 4.10 | |
| 282 | | ✓ RIN: 2.30 | |
| 283 | | ✓ RIN N/A | |
| 289 | | ✓ RIN: 3.50 | |
| 290 | | ✓ RIN: 4.80 | |
| 298 | | ✓ RIN: 5.30 | |
| 299 | | ✓ RIN N/A | |
| 302 | | ✓ RIN N/A | |
| 303 | | ✓ RIN N/A | |
| 291 | | ✓ RIN:3 | |

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE72902486_2016-08-26_12-00-14.xad

Created: 8/26/2016 12:00:14 PM
Modified: 8/26/2016 12:47:35 PM

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

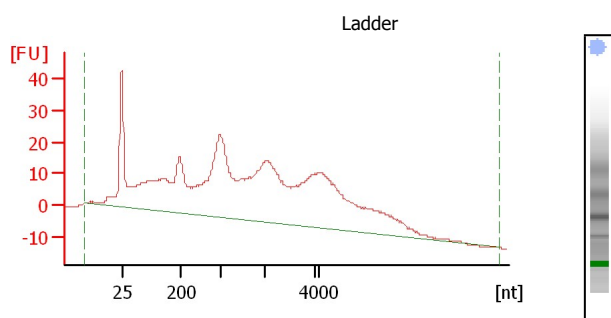
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-08-26_12-00-14.xad

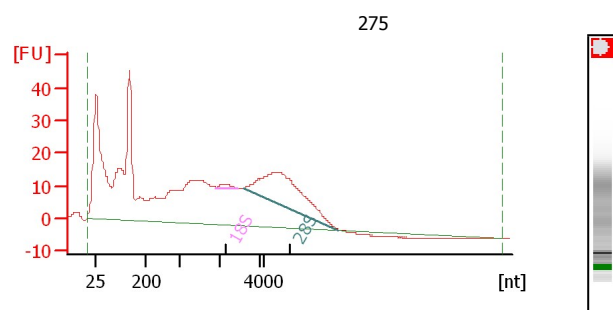
Created: 8/26/2016 12:00:14 PM
Modified: 8/26/2016 12:47:35 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 1,066.3
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

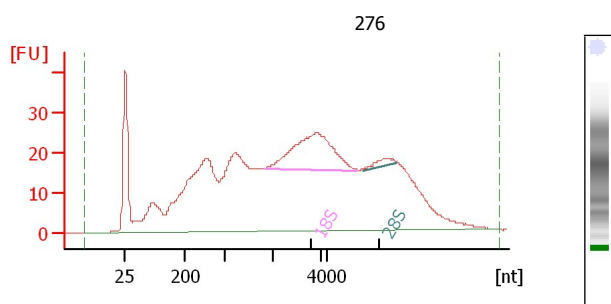


Overall Results for sample 1 : 275

RNA Area: 918.3
RNA Concentration: 861 pg/μl
rRNA Ratio [28s / 18s]: 28.4
RNA Integrity Number (RIN): N/A (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 1 : 275

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 964 | 1,430 | 4.6 | 0.5 |
| 28S | 1,613 | 41,498 | 129.9 | 14.1 |

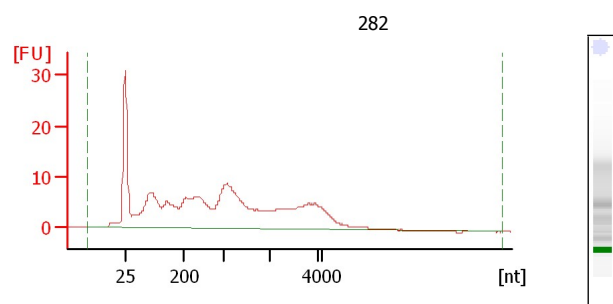


Overall Results for sample 2 : 276

RNA Area: 1,261.2
RNA Concentration: 1,183 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 4.1 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 4.10

Fragment table for sample 2 : 276

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 921 | 17,237 | 106.2 | 8.4 |
| 28S | 19,736 | 33,832 | 6.5 | 0.5 |



Overall Results for sample 3 : 282

RNA Area: 333.3
RNA Concentration: 313 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.3 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-08-26_12-00-14.xad

Created: 8/26/2016 12:00:14 PM
Modified: 8/26/2016 12:47:35 PM

Gel Image