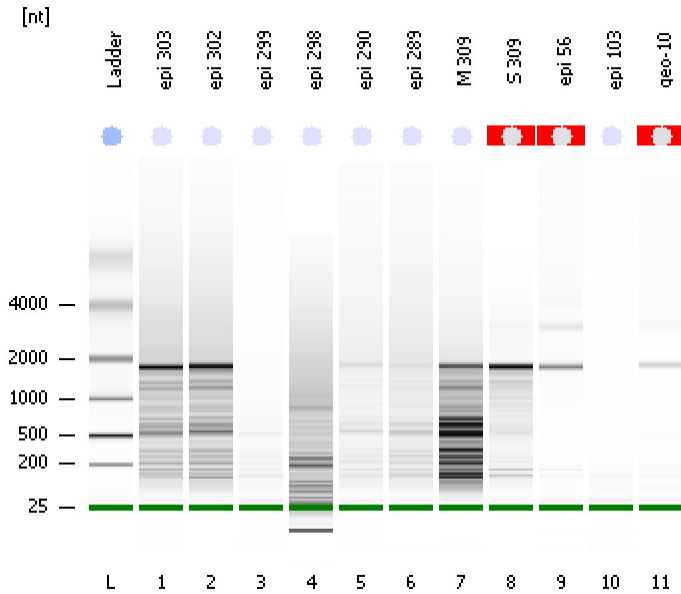


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

Created: 9/28/2016 3:34:44 PM
 Modified: 9/28/2016 3:57:45 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72902486 Firmware: C.01.069
 Serial#: DE72902486 Type: G2939A

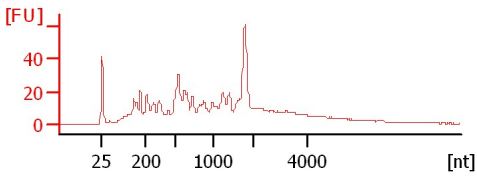
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

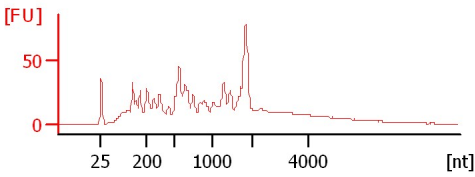
Chip Information:

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

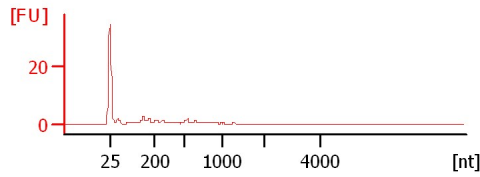
epi 303
 RIN: 5.50



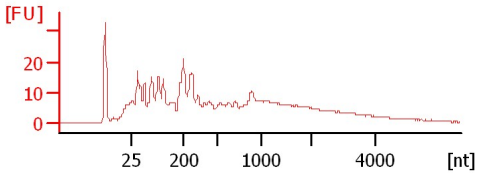
epi 302
 RIN: 5.30



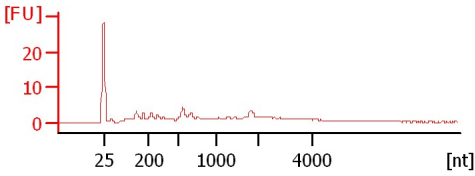
epi 299
 RIN:1



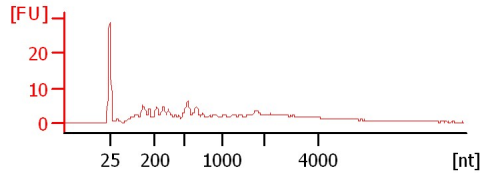
epi 298
 RIN: 2.20



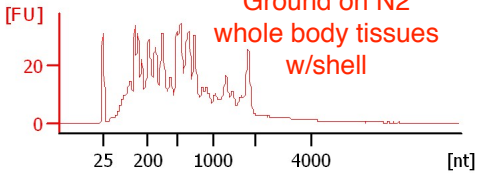
epi 290
 RIN: 3.50



epi 289
 RIN: 2.50

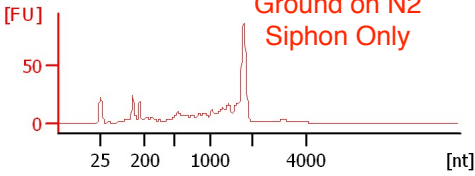


M 309
 RIN: 3.40



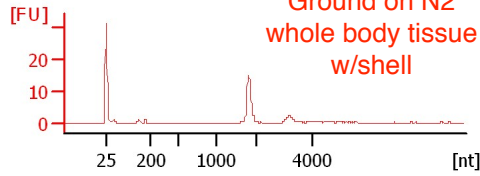
Stored in RNA Later
 Ground on N2
 whole body tissues
 w/shell

S 309
 RIN N/A



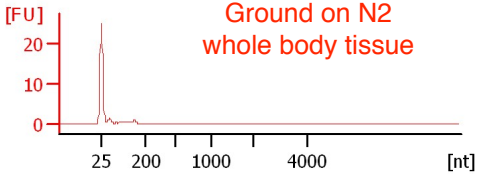
Stored in RNA Later
 Ground on N2
 Siphon Only

epi 56
 RIN N/A



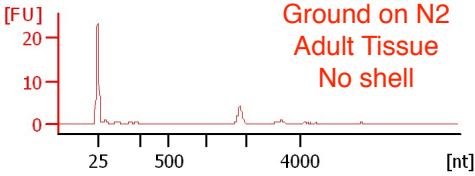
Stored at -80
 Ground on N2
 whole body tissue
 w/shell

epi 103
 RIN:1



Stored in RNA Later
 Ground on N2
 whole body tissue

geo-10
 RIN N/A



Stored at -80
 Ground on N2
 Adult Tissue
 No shell

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

Created: 9/28/2016 3:34:44 PM
 Modified: 9/28/2016 3:57:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
epi 303		✓	RIN: 5.50	
epi 302		✓	RIN: 5.30	
epi 299		✓	RIN:1	
epi 298		✓	RIN: 2.20	
epi 290		✓	RIN: 3.50	
epi 289		✓	RIN: 2.50	
M 309		✓	RIN: 3.40	
S 309		✓	RIN N/A	
epi 56		✓	RIN N/A	
epi 103		✓	RIN:1	
geo-10		✓	RIN N/A	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

Created: 9/28/2016 3:34:44 PM
Modified: 9/28/2016 3:57:45 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/ 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

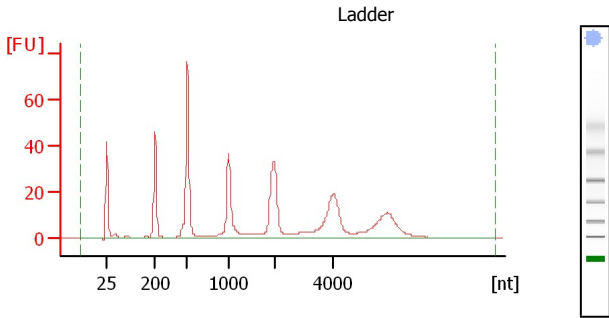
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

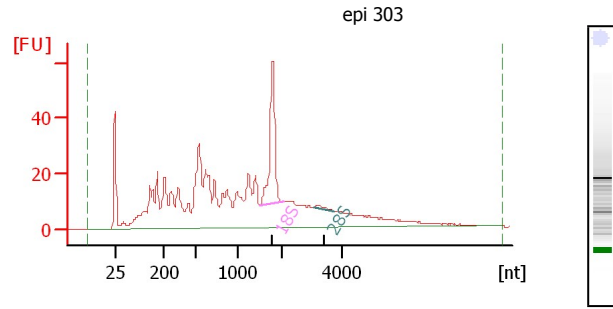
Created: 9/28/2016 3:34:44 PM
 Modified: 9/28/2016 3:57:45 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 523.3
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

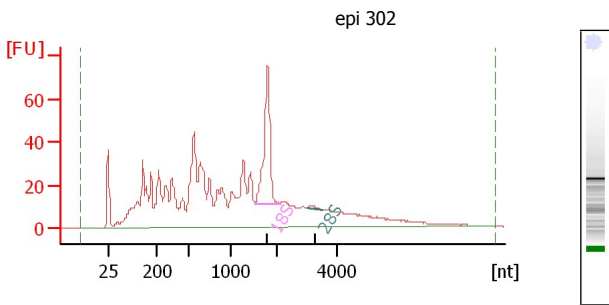


Overall Results for sample 1 : epi 303

RNA Area: 882.5
 RNA Concentration: 1,686 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 5.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.50

Fragment table for sample 1 : epi 303

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	2,073	88.6	10.0
28S	3,075	3,702	1.8	0.2

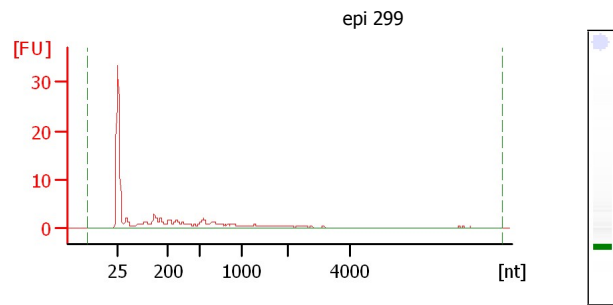


Overall Results for sample 2 : epi 302

RNA Area: 1,255.1
 RNA Concentration: 2,398 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 5.3 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.30

Fragment table for sample 2 : epi 302

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	2,130	124.2	9.9
28S	3,005	3,547	2.8	0.2



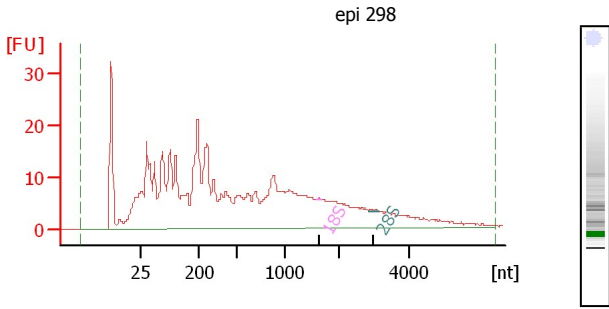
Overall Results for sample 3 : epi 299

RNA Area: 56.2
 RNA Concentration: 107 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 1 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

Created: 9/28/2016 3:34:44 PM
Modified: 9/28/2016 3:57:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : epi 298

RNA Area: 626.7
RNA Concentration: 1,198 pg/ul
rRNA Ratio [28s / 18s]: 3.1
RNA Integrity Number (RIN): 2.2 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 2.20

Fragment table for sample 4 : epi 298

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,678	0.2	0.0
28S	2,840	3,148	0.5	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-09-28_15-34-44.xad

Created: 9/28/2016 3:34:44 PM
 Modified: 9/28/2016 3:57:45 PM

Gel Image

