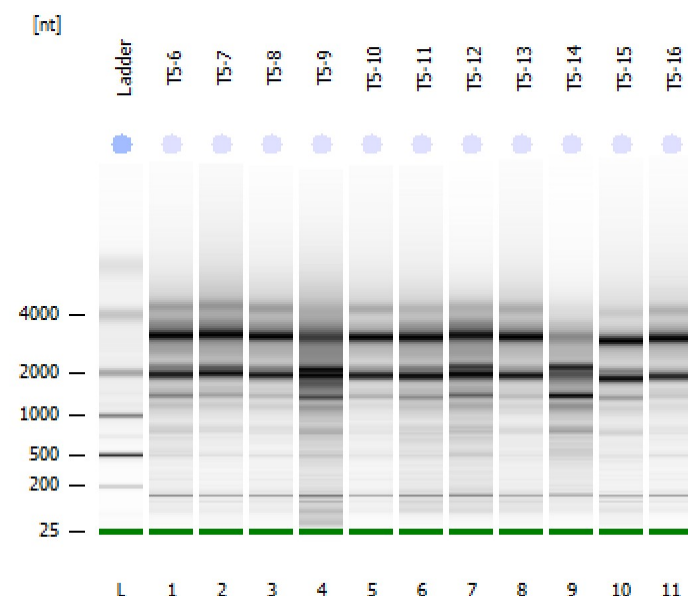


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-59-36.xad

Created: 6/23/2016 4:59:35 PM
Modified: 6/23/2016 5:59:56 PM

Electrophoresis File Run Summary



Instrument Information:

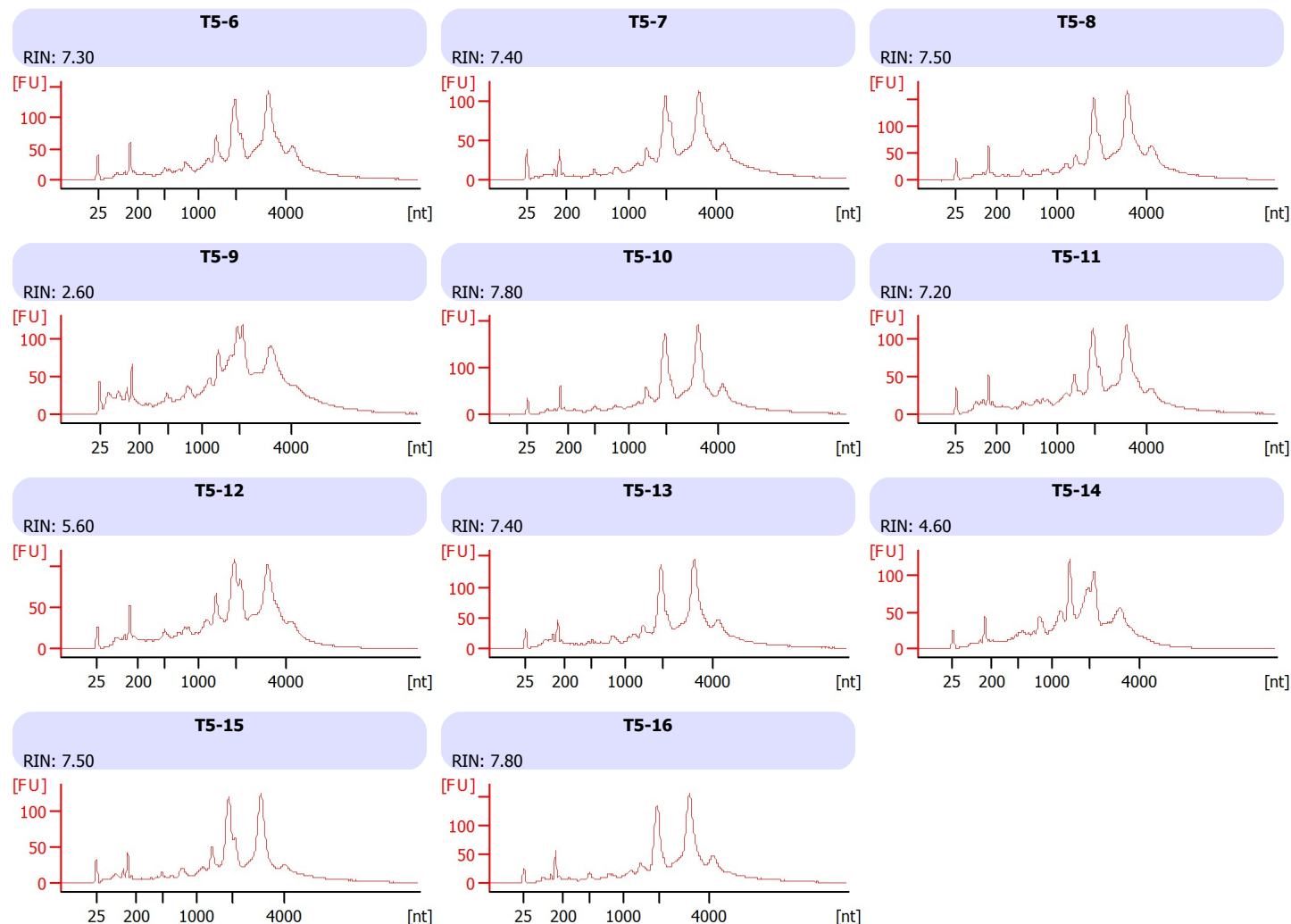
Instrument Name: DE13804163
Serial#: DE13804163
Firmware: C.01.069
Type: G2939A

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_DE13804163_2016-06-23_16-59-36.xad

Created: 6/23/2016 4:59:35 PM
Modified: 6/23/2016 5:59:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
T5-6		✓	RIN: 7.30	
T5-7		✓	RIN: 7.40	
T5-8		✓	RIN: 7.50	
T5-9		✓	RIN: 2.60	
T5-10		✓	RIN: 7.80	
T5-11		✓	RIN: 7.20	
T5-12		✓	RIN: 5.60	
T5-13		✓	RIN: 7.40	
T5-14		✓	RIN: 4.60	
T5-15		✓	RIN: 7.50	
T5-16		✓	RIN: 7.80	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-59-36.xad

Created: 6/23/2016 4:59:35 PM
Modified: 6/23/2016 5:59:56 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

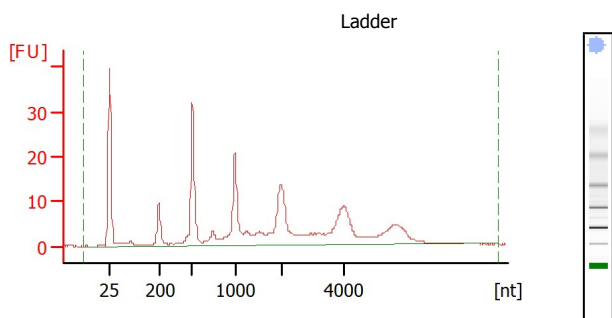
Ladder

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_DE13804163_2016-06-23_16-59-36.xad

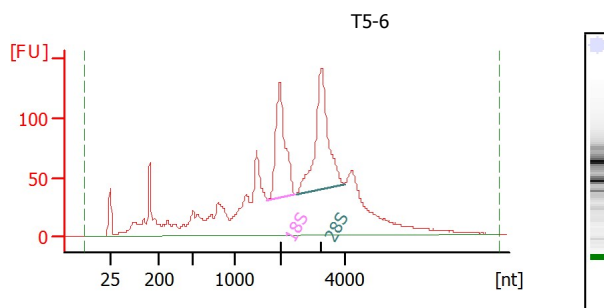
Created: 6/23/2016 4:59:35 PM
 Modified: 6/23/2016 5:59:56 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 281.6
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

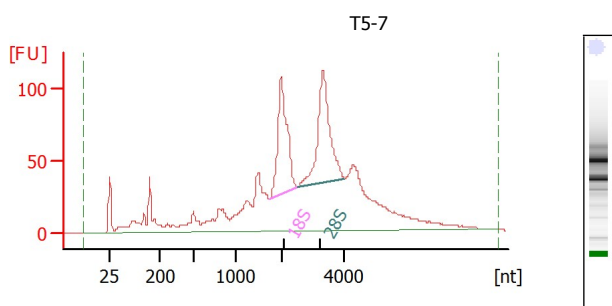


Overall Results for sample 1 : T5-6

RNA Area: 2,709.1
 RNA Concentration: 9,619 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.30

Fragment table for sample 1 : T5-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,453	290.7	10.7
28S	2,479	4,003	379.6	14.0

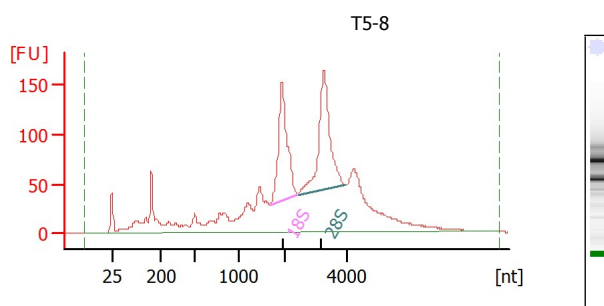


Overall Results for sample 2 : T5-7

RNA Area: 2,090.2
 RNA Concentration: 7,422 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 7.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.40

Fragment table for sample 2 : T5-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,480	238.8	11.4
28S	2,506	3,996	266.8	12.8



Overall Results for sample 3 : T5-8

RNA Area: 2,736.5
 RNA Concentration: 9,717 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50

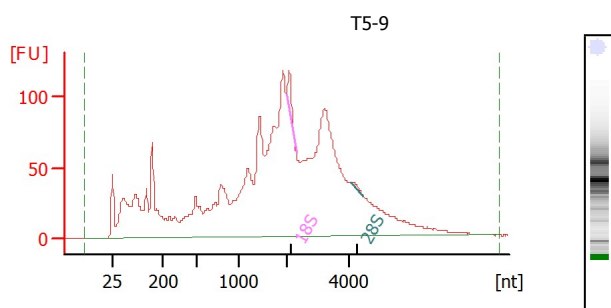
Fragment table for sample 3 : T5-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,401	329.8	12.1
28S	2,427	3,911	385.3	14.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-59-36.xad

Created: 6/23/2016 4:59:35 PM
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Electropherogram Summary Continued ...

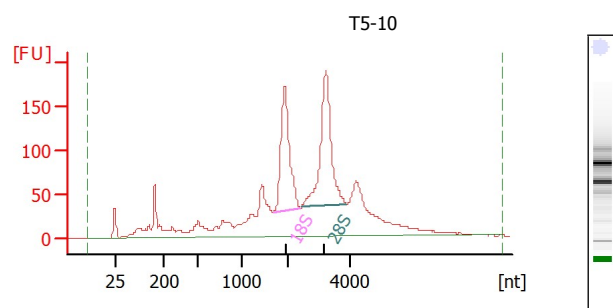


Overall Results for sample 4 : T5-9

RNA Area: 3,321.2
 RNA Concentration: 11,793 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 2.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 4 : T5-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,019	2,309	33.6	1.0
28S	4,023	4,445	4.8	0.1

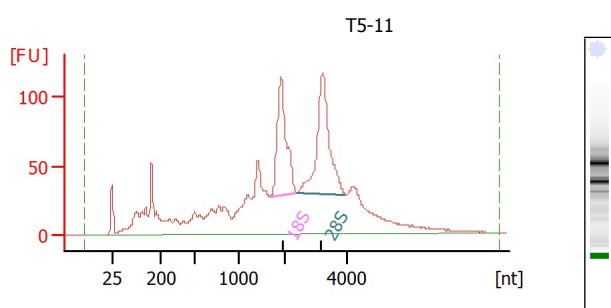


Overall Results for sample 5 : T5-10

RNA Area: 2,726.6
 RNA Concentration: 9,682 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 5 : T5-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,414	385.0	14.1
28S	2,440	3,871	471.4	17.3

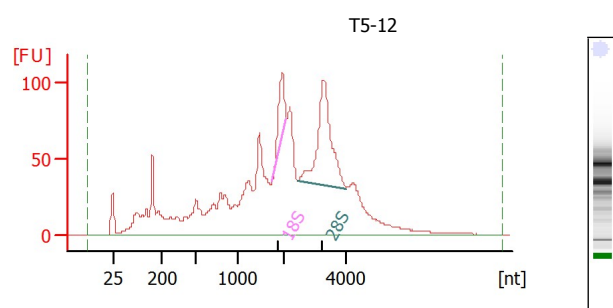


Overall Results for sample 6 : T5-11

RNA Area: 2,262.8
 RNA Concentration: 8,035 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.20

Fragment table for sample 6 : T5-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,387	245.5	10.8
28S	2,414	3,937	303.4	13.4



Overall Results for sample 7 : T5-12

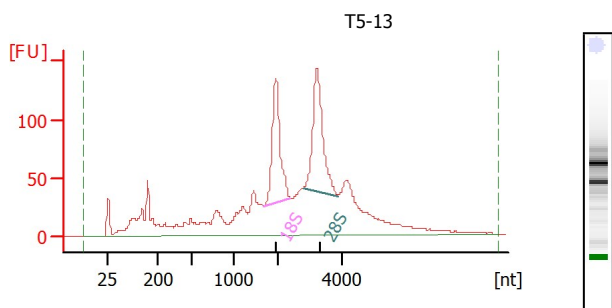
RNA Area: 2,437.7
 RNA Concentration: 8,656 pg/μl
 rRNA Ratio [28s / 18s]: 3.0
 RNA Integrity Number (RIN): 5.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.60

Fragment table for sample 7 : T5-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,760	2,104	85.9	3.5
28S	2,479	3,992	261.3	10.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-59-36.xad

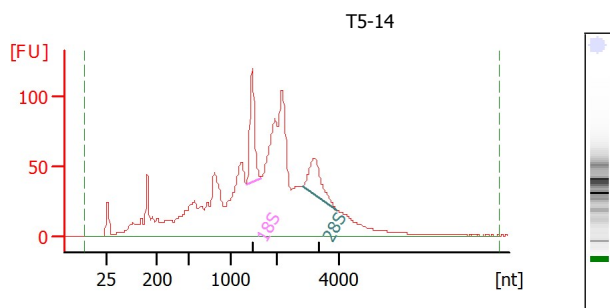
Created: 6/23/2016 4:59:35 PM
Modified: 6/23/2016 5:59:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : T5-13**

RNA Area: 2,366.7
RNA Concentration: 8,404 pg/μl
rRNA Ratio [28s / 18s]: 1.1
RNA Integrity Number (RIN): 7.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.40

Fragment table for sample 8 : T5-13

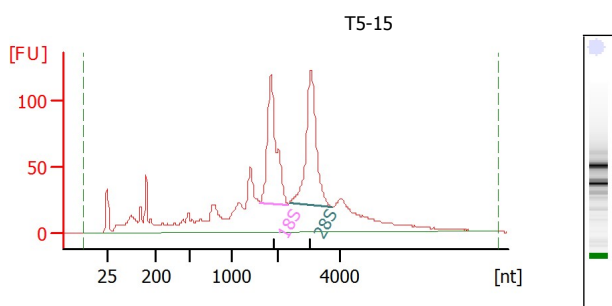
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,385	276.9	11.7
28S	2,774	3,888	307.2	13.0

**Overall Results for sample 9 : T5-14**

RNA Area: 2,333.7
RNA Concentration: 8,287 pg/μl
rRNA Ratio [28s / 18s]: 0.7
RNA Integrity Number (RIN): 4.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.60

Fragment table for sample 9 : T5-14

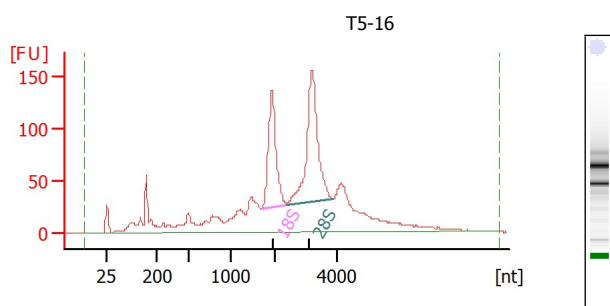
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,338	1,661	125.7	5.4
28S	2,844	3,941	94.2	4.0

**Overall Results for sample 10 : T5-15**

RNA Area: 1,937.2
RNA Concentration: 6,879 pg/μl
rRNA Ratio [28s / 18s]: 1.1
RNA Integrity Number (RIN): 7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.50

Fragment table for sample 10 : T5-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	2,357	279.0	14.4
28S	2,384	3,773	307.5	15.9

**Overall Results for sample 11 : T5-16**

RNA Area: 2,257.2
RNA Concentration: 8,015 pg/μl
rRNA Ratio [28s / 18s]: 1.5
RNA Integrity Number (RIN): 7.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.80

Fragment table for sample 11 : T5-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,342	279.6	12.4
28S	2,369	3,835	405.4	18.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-59-36.xad

Created: 6/23/2016 4:59:35 PM
Modified: 6/23/2016 5:59:56 PM

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