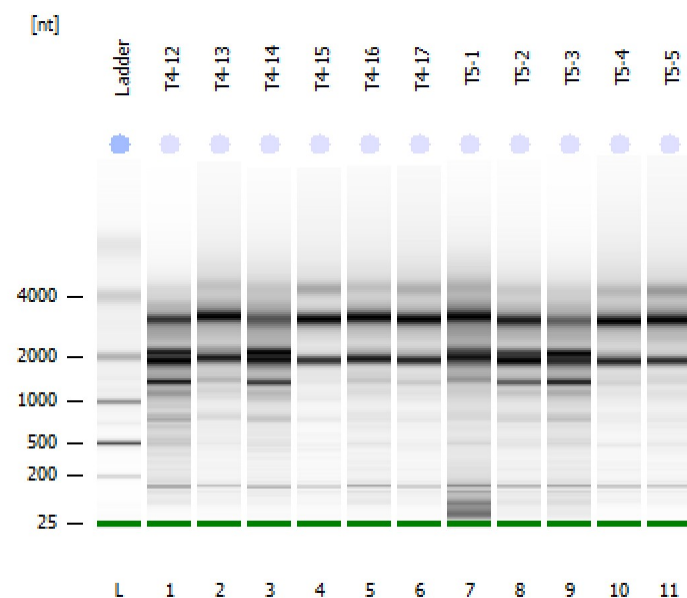


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
Modified: 6/23/2016 6:02:43 PM

Electrophoresis File Run SummaryInstrument 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)

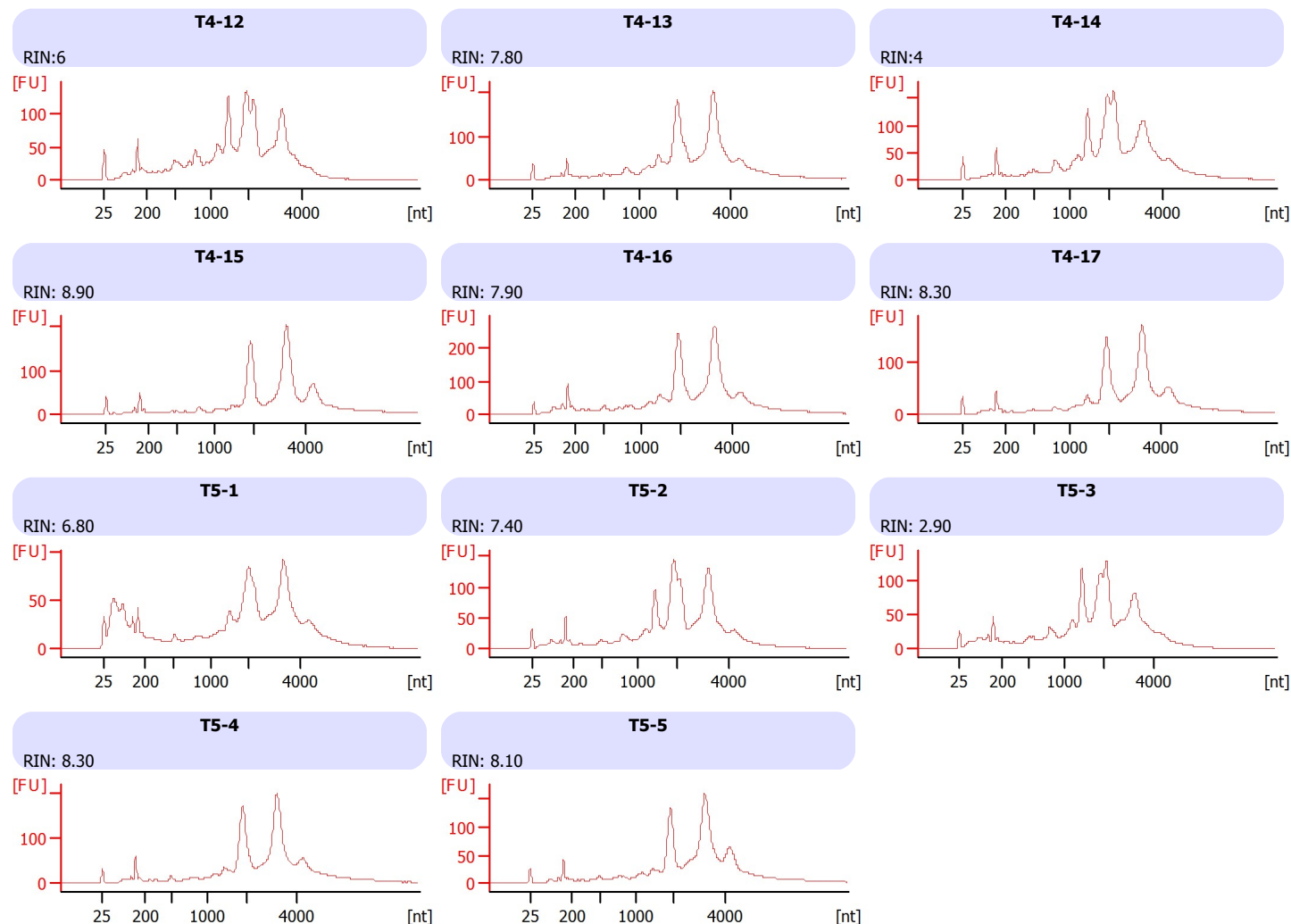
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
Modified: 6/23/2016 6:02:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
T4-12		✓	RIN:6	
T4-13		✓	RIN: 7.80	
T4-14		✓	RIN:4	
T4-15		✓	RIN: 8.90	
T4-16		✓	RIN: 7.90	
T4-17		✓	RIN: 8.30	
T5-1		✓	RIN: 6.80	
T5-2		✓	RIN: 7.40	
T5-3		✓	RIN: 2.90	
T5-4		✓	RIN: 8.30	
T5-5		✓	RIN: 8.10	
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_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
Modified: 6/23/2016 6:02:43 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

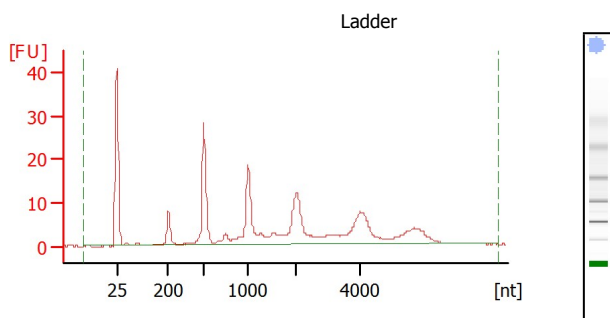
Ladder

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_16-24-04.xad

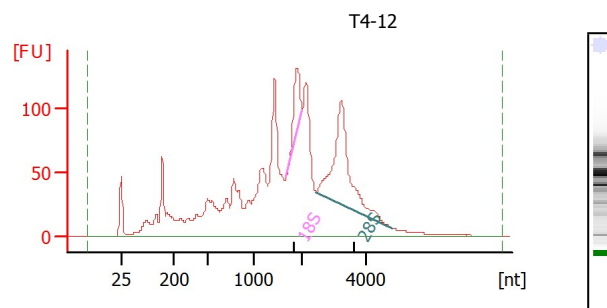
Created: 6/23/2016 4:24:04 PM
 Modified: 6/23/2016 6:02:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 246.6
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

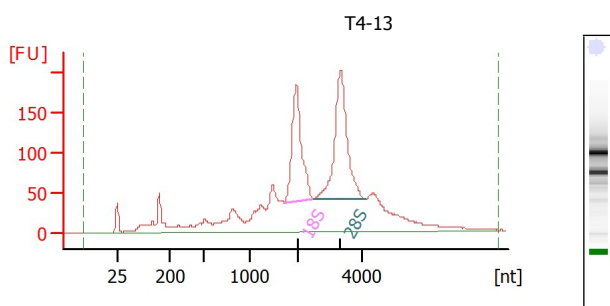


Overall Results for sample 1 : T4-12

RNA Area: 2,817.2
 RNA Concentration: 11,424 pg/μl
 rRNA Ratio [28s / 18s]: 3.5
 RNA Integrity Number (RIN): 6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:6

Fragment table for sample 1 : T4-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,040	98.0	3.5
28S	2,470	4,805	344.4	12.2

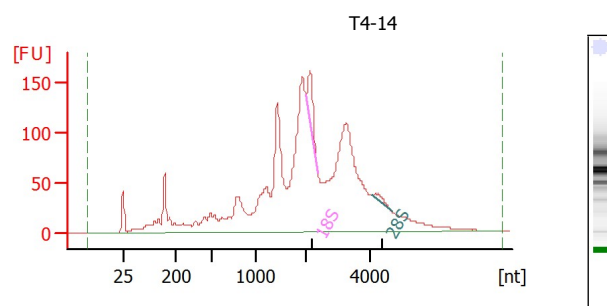


Overall Results for sample 2 : T4-13

RNA Area: 2,994.9
 RNA Concentration: 12,144 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 2 : T4-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,509	413.3	13.8
28S	2,548	4,166	545.6	18.2



Overall Results for sample 3 : T4-14

RNA Area: 3,089.2
 RNA Concentration: 12,527 pg/μl
 rRNA Ratio [28s / 18s]: 0.2
 RNA Integrity Number (RIN): 4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:4

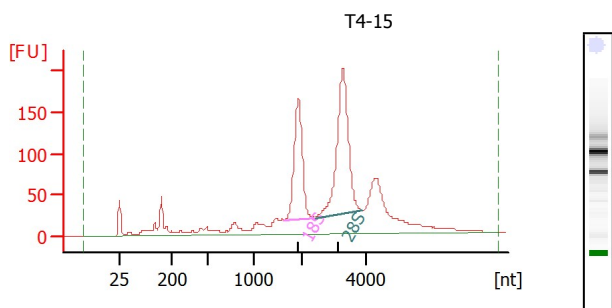
Fragment table for sample 3 : T4-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,032	2,393	80.9	2.6
28S	4,071	4,678	14.7	0.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
 Modified: 6/23/2016 6:02:43 PM

Electropherogram Summary Continued ...

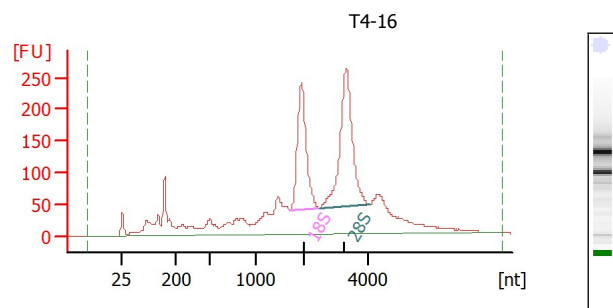


Overall Results for sample 4 : T4-15

RNA Area: 2,203.8
 RNA Concentration: 8,937 pg/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 4 : T4-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	2,394	369.1	16.7
28S	2,420	3,823	558.5	25.3

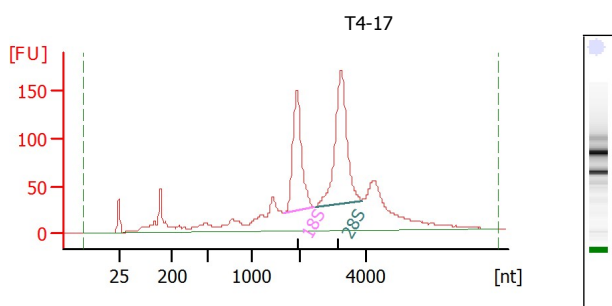


Overall Results for sample 5 : T4-16

RNA Area: 3,805.1
 RNA Concentration: 15,430 pg/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 7.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90

Fragment table for sample 5 : T4-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,458	540.6	14.2
28S	2,484	4,039	740.0	19.4

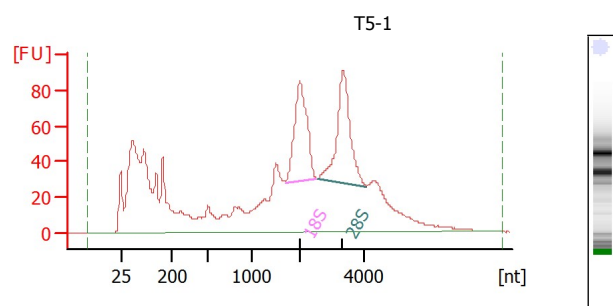


Overall Results for sample 6 : T4-17

RNA Area: 2,210.1
 RNA Concentration: 8,962 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 6 : T4-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,445	344.2	15.6
28S	2,471	3,894	458.0	20.7



Overall Results for sample 7 : T5-1

RNA Area: 2,414.4
 RNA Concentration: 9,790 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 6.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.80

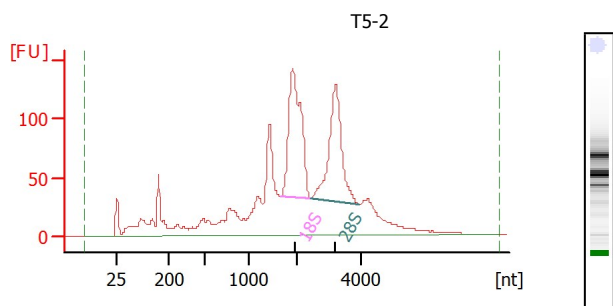
Fragment table for sample 7 : T5-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,509	210.2	8.7
28S	2,535	4,065	226.5	9.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
 Modified: 6/23/2016 6:02:43 PM

Electropherogram Summary Continued ...

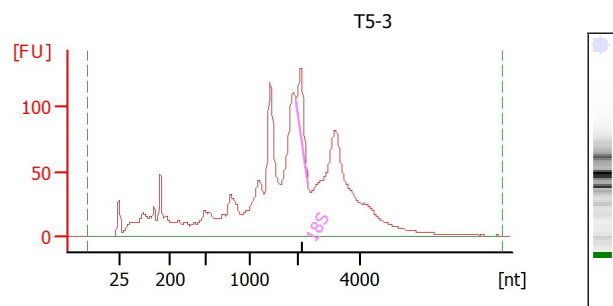


Overall Results for sample 8 : T5-2

RNA Area: 2,533.6
 RNA Concentration: 10,274 pg/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.40

Fragment table for sample 8 : T5-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,673	2,444	423.1	16.7
28S	2,470	3,950	350.4	13.8

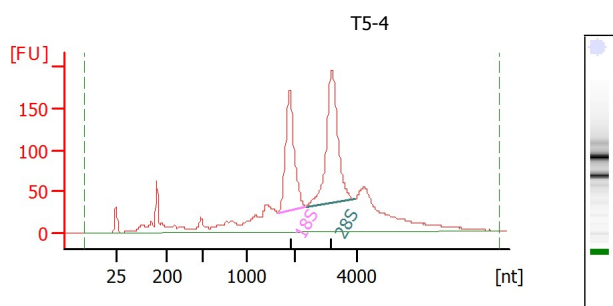


Overall Results for sample 9 : T5-3

RNA Area: 2,579.4
 RNA Concentration: 10,459 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.90

Fragment table for sample 9 : T5-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,988	2,351	75.5	2.9

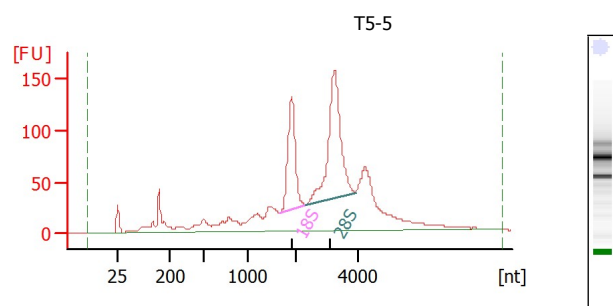


Overall Results for sample 10 : T5-4

RNA Area: 2,586.7
 RNA Concentration: 10,489 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 10 : T5-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,351	389.4	15.1
28S	2,377	3,893	516.3	20.0



Overall Results for sample 11 : T5-5

RNA Area: 2,129.0
 RNA Concentration: 8,633 pg/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.10

Fragment table for sample 11 : T5-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,324	260.9	12.3
28S	2,350	3,886	428.8	20.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_16-24-04.xad

Created: 6/23/2016 4:24:04 PM
Modified: 6/23/2016 6:02:43 PM

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