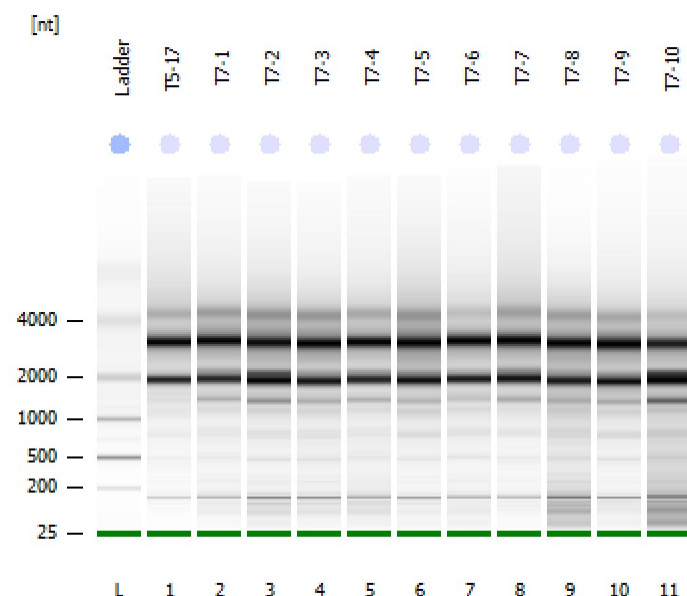


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
Modified: 6/23/2016 5:58:10 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)

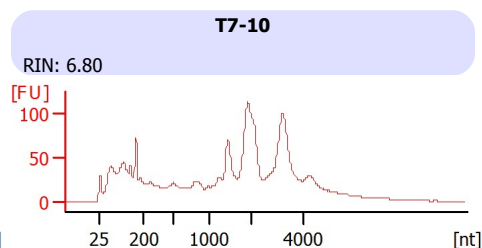
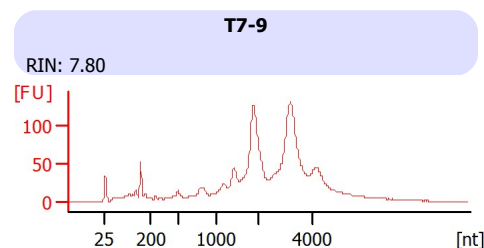
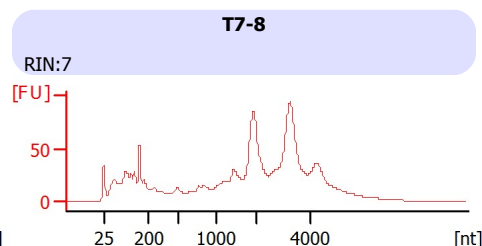
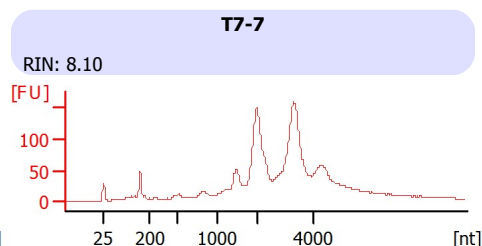
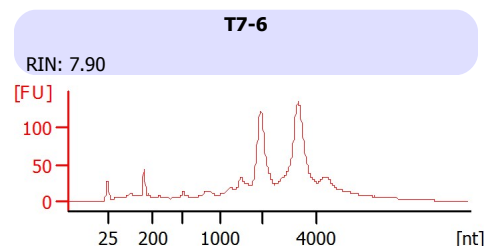
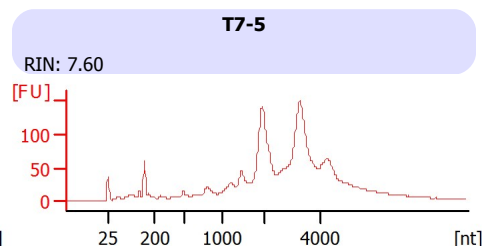
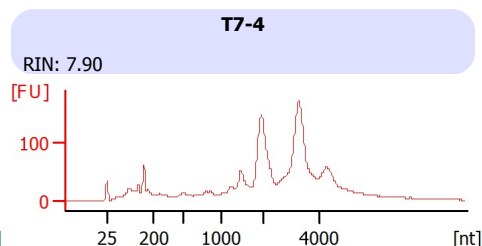
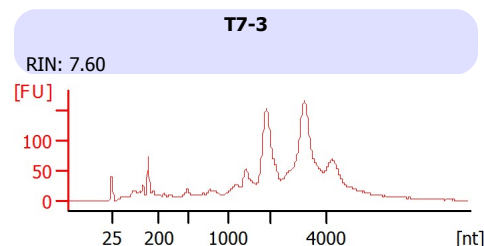
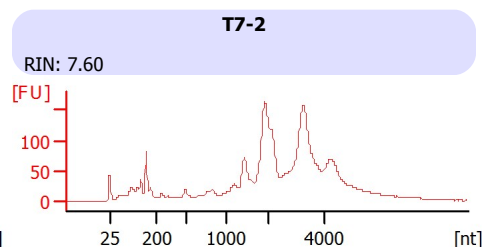
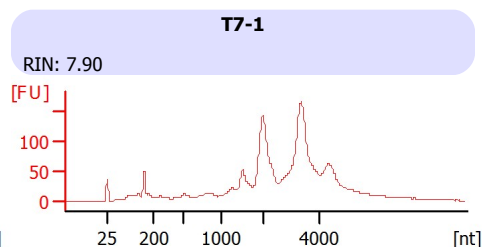
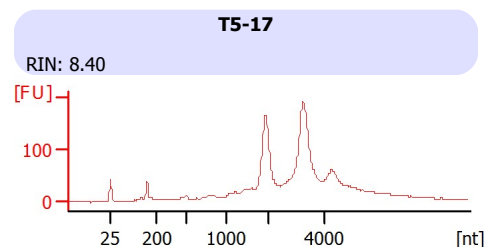
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
Modified: 6/23/2016 5:58:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
T5-17		✓	RIN: 8.40	
T7-1		✓	RIN: 7.90	
T7-2		✓	RIN: 7.60	
T7-3		✓	RIN: 7.60	
T7-4		✓	RIN: 7.90	
T7-5		✓	RIN: 7.60	
T7-6		✓	RIN: 7.90	
T7-7		✓	RIN: 8.10	
T7-8		✓	RIN: 7	
T7-9		✓	RIN: 7.80	
T7-10		✓	RIN: 6.80	
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_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
Modified: 6/23/2016 5:58:10 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

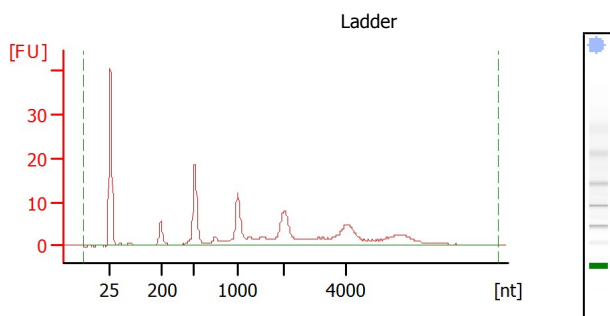
Ladder

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_17-33-16.xad

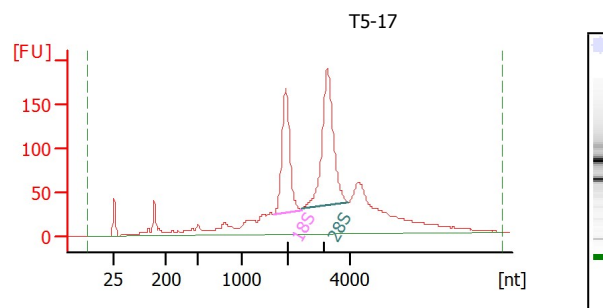
Created: 6/23/2016 5:33:15 PM
Modified: 6/23/2016 5:58:10 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 180.0
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

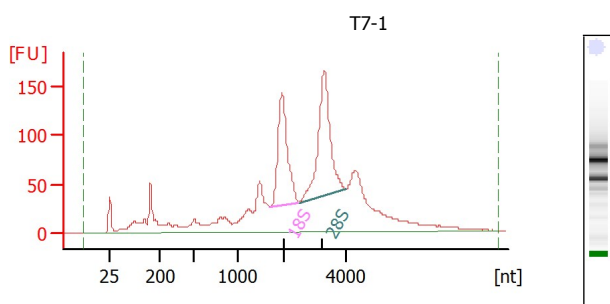


Overall Results for sample 1 : T5-17

RNA Area: 2,430.7
RNA Concentration: 13,503 pg/μl
rRNA Ratio [28s / 18s]: 1.4
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 1 : T5-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,432	354.3	14.6
28S	2,459	3,891	507.6	20.9

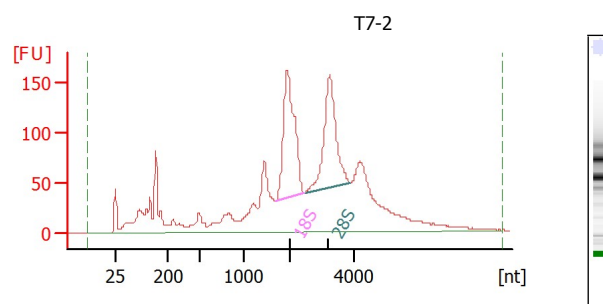


Overall Results for sample 2 : T7-1

RNA Area: 2,594.4
RNA Concentration: 14,413 pg/μl
rRNA Ratio [28s / 18s]: 1.3
RNA Integrity Number (RIN): 7.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.90

Fragment table for sample 2 : T7-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,486	348.1	13.4
28S	2,513	4,003	436.7	16.8



Overall Results for sample 3 : T7-2

RNA Area: 3,100.9
RNA Concentration: 17,226 pg/μl
rRNA Ratio [28s / 18s]: 0.9
RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

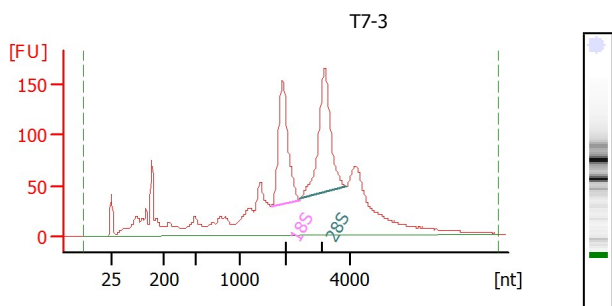
Fragment table for sample 3 : T7-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	2,433	444.1	14.3
28S	2,459	3,896	381.6	12.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
 Modified: 6/23/2016 5:58:10 PM

Electropherogram Summary Continued ...

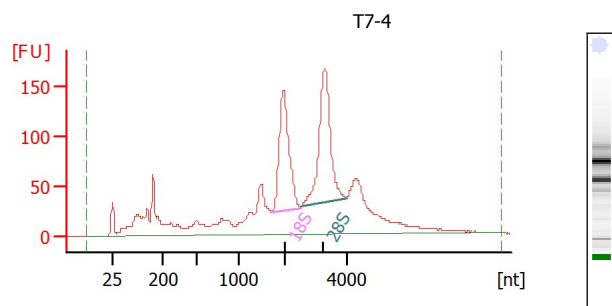


Overall Results for sample 4 : T7-3

RNA Area: 2,924.7
 RNA Concentration: 16,248 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60

Fragment table for sample 4 : T7-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	2,392	367.0	12.5
28S	2,419	3,869	429.7	14.7

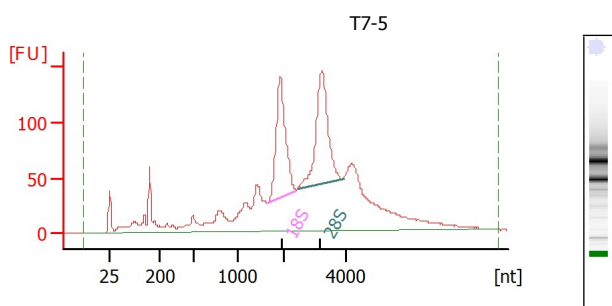


Overall Results for sample 5 : T7-4

RNA Area: 2,654.1
 RNA Concentration: 14,744 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90

Fragment table for sample 5 : T7-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	2,459	373.1	14.1
28S	2,486	3,979	441.8	16.6

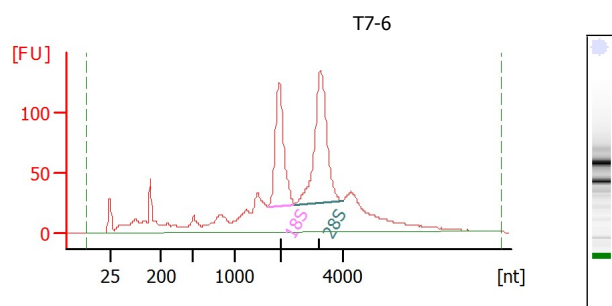


Overall Results for sample 6 : T7-5

RNA Area: 2,613.7
 RNA Concentration: 14,520 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 7.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60

Fragment table for sample 6 : T7-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,418	327.2	12.5
28S	2,445	3,921	357.6	13.7



Overall Results for sample 7 : T7-6

RNA Area: 2,066.7
 RNA Concentration: 11,481 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

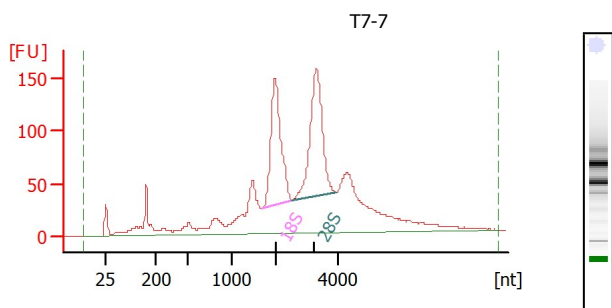
Fragment table for sample 7 : T7-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,718	2,444	280.7	13.6
28S	2,472	3,998	391.9	19.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
 Modified: 6/23/2016 5:58:10 PM

Electropherogram Summary Continued ...

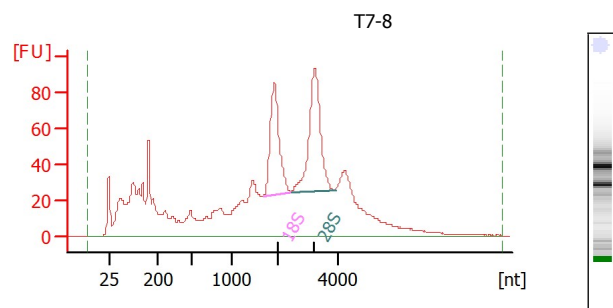


Overall Results for sample 8 : T7-7

RNA Area: 2,549.2
 RNA Concentration: 14,161 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.10

Fragment table for sample 8 : T7-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,513	391.4	15.4
28S	2,540	3,977	432.7	17.0

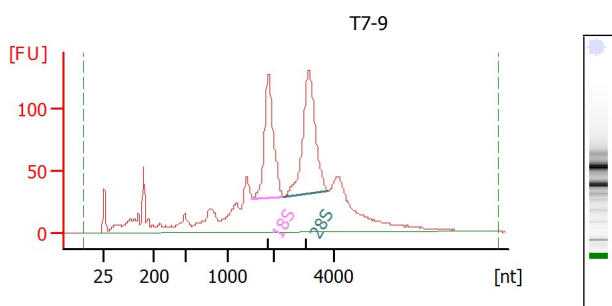


Overall Results for sample 9 : T7-8

RNA Area: 2,102.0
 RNA Concentration: 11,677 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7

Fragment table for sample 9 : T7-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,429	185.0	8.8
28S	2,457	3,890	230.1	10.9

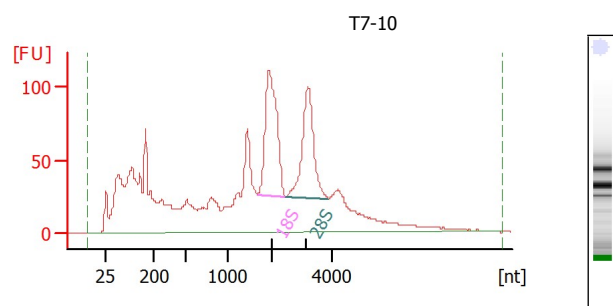


Overall Results for sample 10 : T7-9

RNA Area: 2,289.4
 RNA Concentration: 12,718 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 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 10 : T7-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,542	2,359	292.3	12.8
28S	2,387	3,823	369.5	16.1



Overall Results for sample 11 : T7-10

RNA Area: 2,905.8
 RNA Concentration: 16,143 pg/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 6.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.80

Fragment table for sample 11 : T7-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	2,456	330.8	11.4
28S	2,484	3,898	258.7	8.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13804163_2016-06-23_17-33-16.xad

Created: 6/23/2016 5:33:15 PM
Modified: 6/23/2016 5:58:10 PM

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