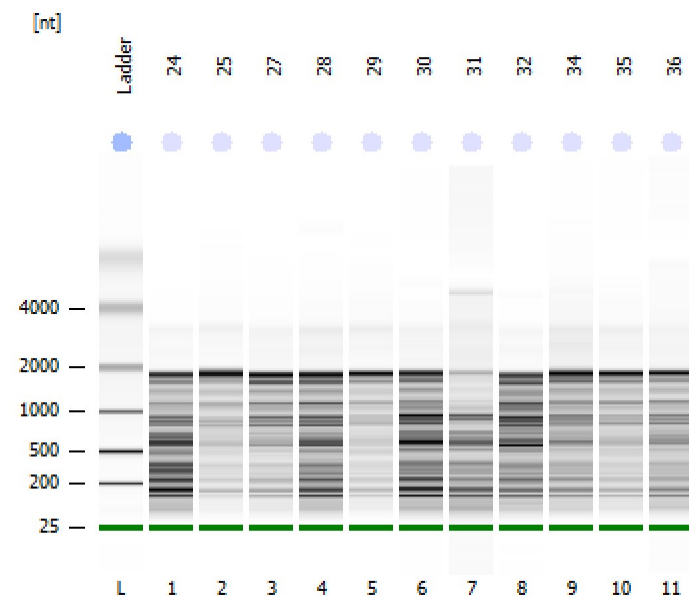


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-25_10-32-58.xad

Created: 1/25/2016 10:32:58 AM
Modified: 1/29/2016 3:17:14 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

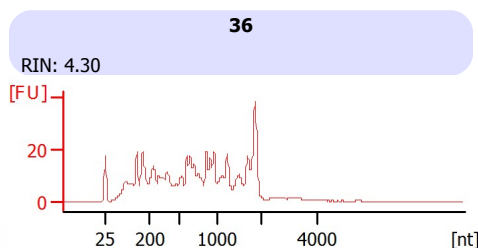
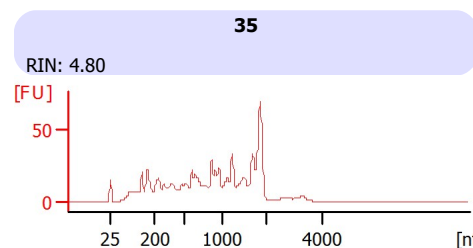
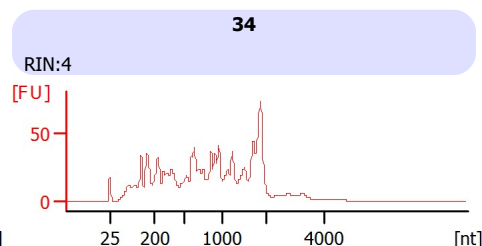
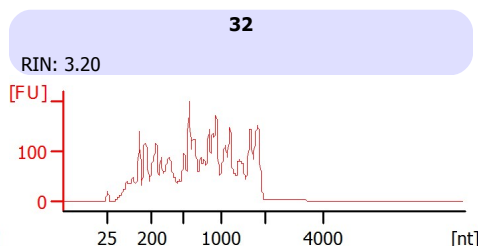
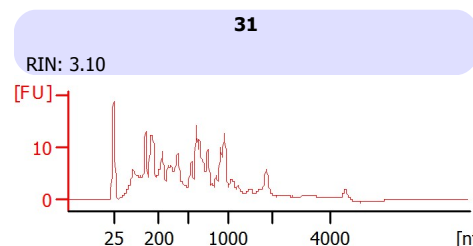
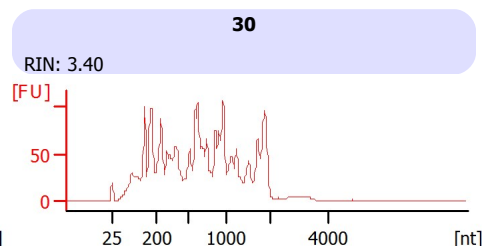
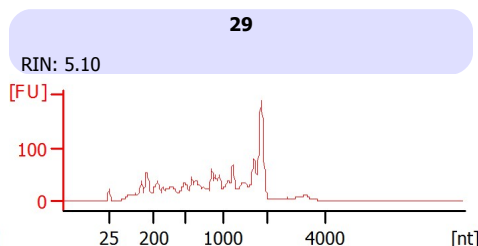
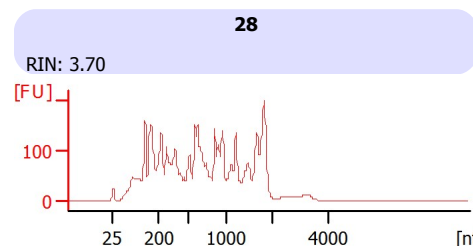
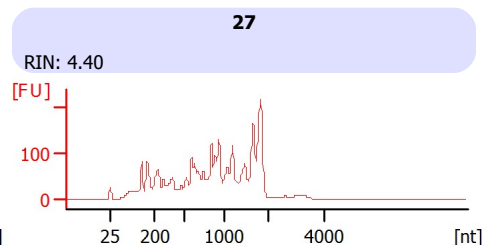
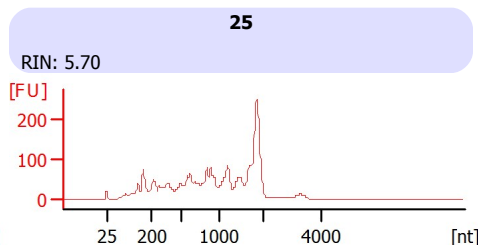
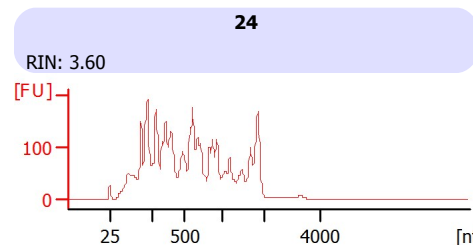
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-25_10-32-58.xad

Created: 1/25/2016 10:32:58 AM
Modified: 1/29/2016 3:17:14 PM

Electrophoresis File Run Summary (Chip Summary)

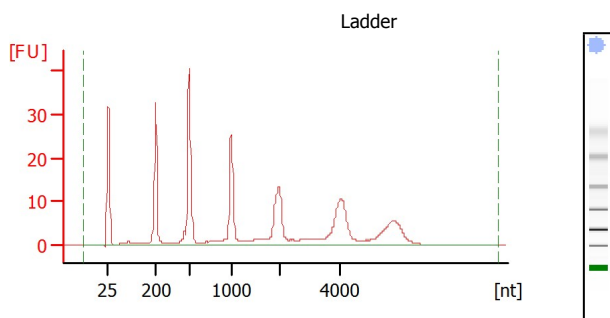
Sample Name	Sample Comment	Status	Result Label	Result Color
24		✓	RIN: 3.60	
25		✓	RIN: 5.70	
27		✓	RIN: 4.40	
28		✓	RIN: 3.70	
29		✓	RIN: 5.10	
30		✓	RIN: 3.40	
31		✓	RIN: 3.10	
32		✓	RIN: 3.20	
34		✓	RIN:4	
35		✓	RIN: 4.80	
36		✓	RIN: 4.30	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-25_10-32-58.xad

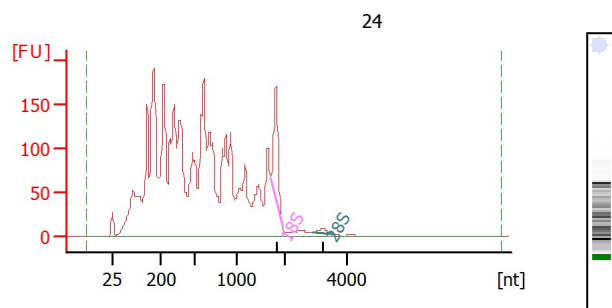
Created: 1/25/2016 10:32:58 AM
Modified: 1/29/2016 3:17:14 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 279.1
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

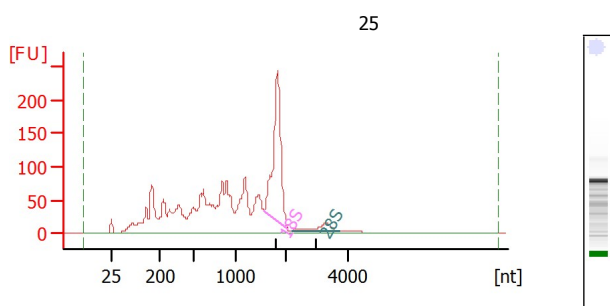


Overall Results for sample 1 : 24

RNA Area: 4,732.1
RNA Concentration: 16,955 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 3.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 3.60

Fragment table for sample 1 : 24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,714	1,958	184.6	3.9
28S	2,909	3,652	13.6	0.3

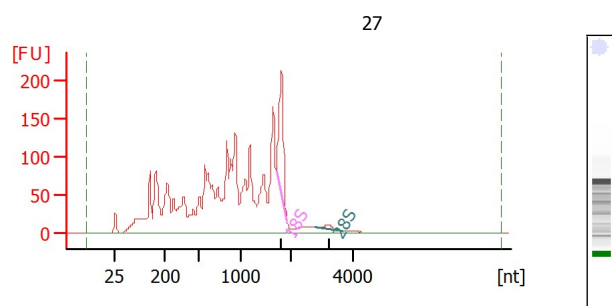


Overall Results for sample 2 : 25

RNA Area: 2,724.8
RNA Concentration: 9,763 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 5.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 5.70

Fragment table for sample 2 : 25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	2,090	538.6	19.8
28S	2,183	3,721	45.9	1.7



Overall Results for sample 3 : 27

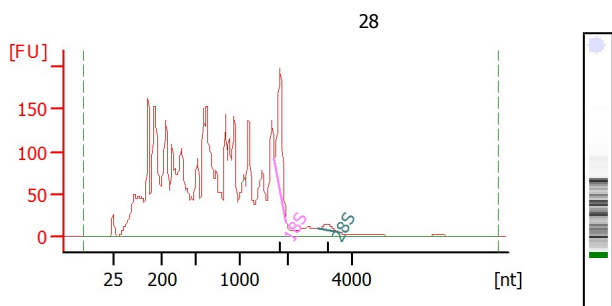
RNA Area: 3,188.1
RNA Concentration: 11,423 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 4.4 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 4.40

Fragment table for sample 3 : 27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	1,939	233.2	7.3
28S	2,784	3,689	16.6	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-25_10-32-58.xad

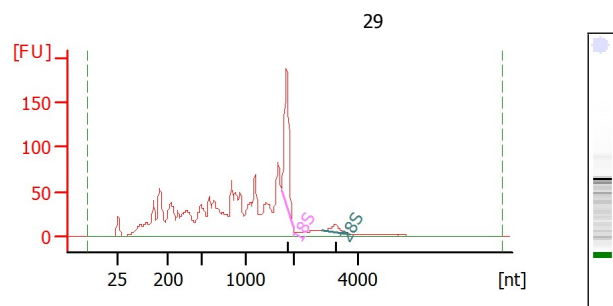
Created: 1/25/2016 10:32:58 AM
Modified: 1/29/2016 3:17:14 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 28**

RNA Area: 4,657.1
RNA Concentration: 16,686 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 3.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 3.70

Fragment table for sample 4 : 28

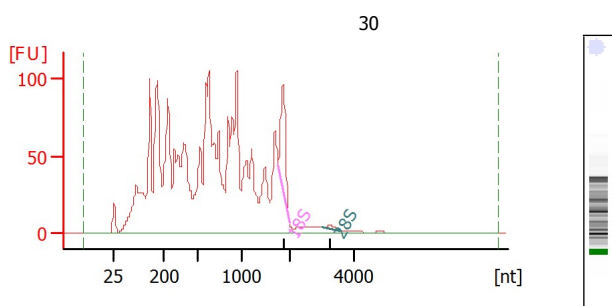
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	1,958	198.6	4.3
28S	2,902	3,591	20.8	0.4

**Overall Results for sample 5 : 29**

RNA Area: 2,017.6
RNA Concentration: 7,229 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 5.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 5.10

Fragment table for sample 5 : 29

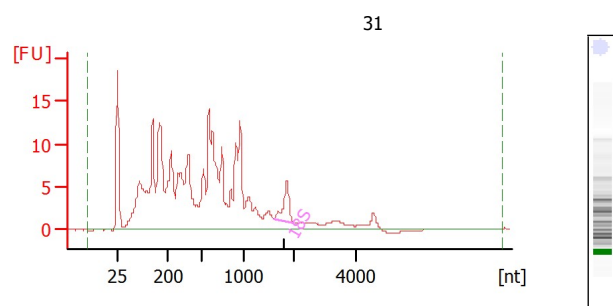
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	1,985	218.8	10.8
28S	2,901	3,732	19.0	0.9

**Overall Results for sample 6 : 30**

RNA Area: 2,724.8
RNA Concentration: 9,763 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.4 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 3.40

Fragment table for sample 6 : 30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	1,985	100.6	3.7
28S	2,980	3,587	4.9	0.2

**Overall Results for sample 7 : 31**

RNA Area: 316.5
RNA Concentration: 1,134 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 3.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 3.10

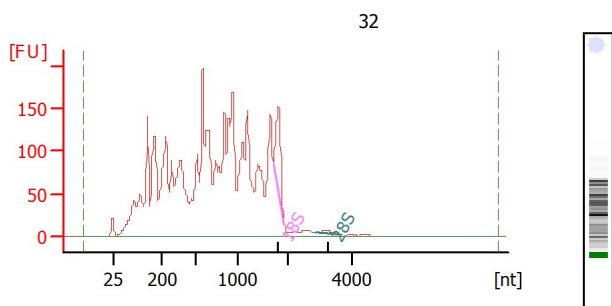
Fragment table for sample 7 : 31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	2,029	8.5	2.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-25_10-32-58.xad

Created: 1/25/2016 10:32:58 AM
 Modified: 1/29/2016 3:17:14 PM

Electropherogram Summary Continued ...

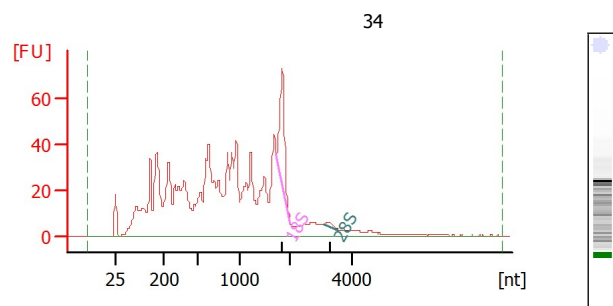


Overall Results for sample 8 : 32

RNA Area: 4,571.8
 RNA Concentration: 16,380 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 3.2 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.20

Fragment table for sample 8 : 32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,931	155.7	3.4
28S	2,876	3,660	11.1	0.2

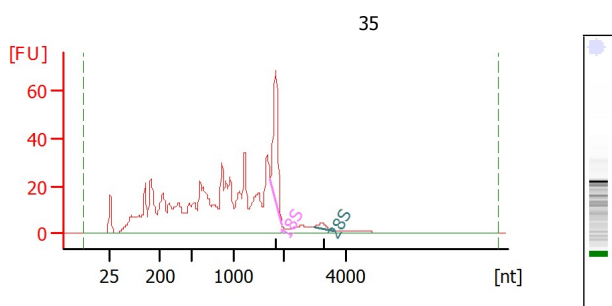


Overall Results for sample 9 : 34

RNA Area: 1,348.7
 RNA Concentration: 4,832 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 4 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 4

Fragment table for sample 9 : 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,023	72.2	5.4
28S	3,079	3,573	3.6	0.3

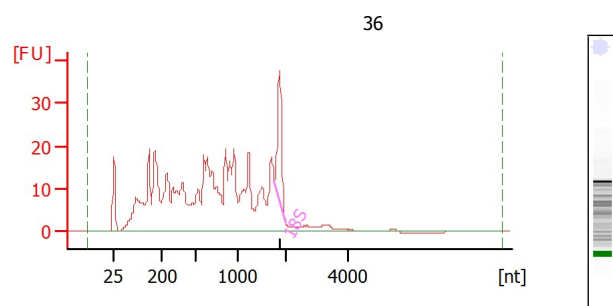


Overall Results for sample 10 : 35

RNA Area: 884.7
 RNA Concentration: 3,170 pg/μl
 rRNA Ratio [28s / 18s]: 0.1
 RNA Integrity Number (RIN): 4.8 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.80

Fragment table for sample 10 : 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	1,986	77.7	8.8
28S	2,961	3,647	5.2	0.6



Overall Results for sample 11 : 36

RNA Area: 610.9
 RNA Concentration: 2,189 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 4.3 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.30

Fragment table for sample 11 : 36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	1,994	37.6	6.2