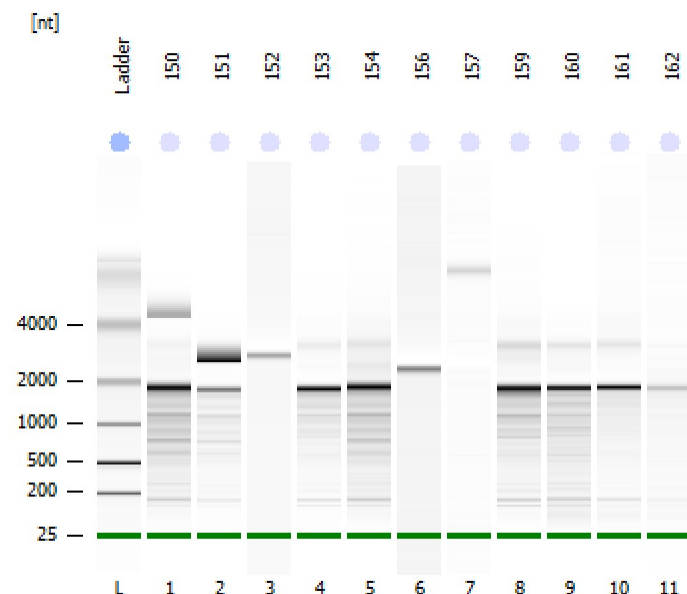


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_12-08-08.xad

Created: 1/29/2016 12:08:07 PM
Modified: 1/29/2016 3:35:01 PM

Electrophoresis File Run Summary



Instrument Information:

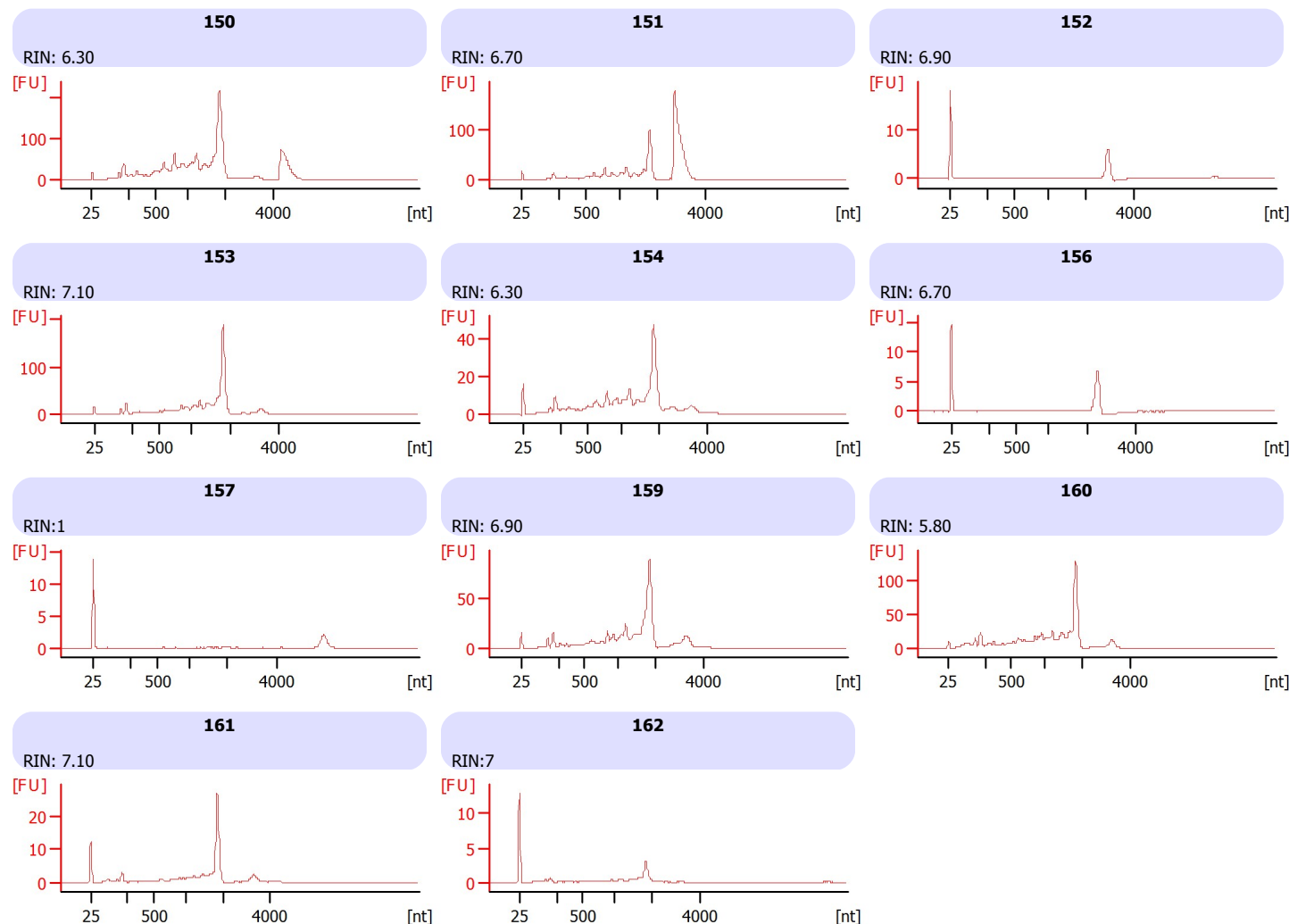
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

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_2016-01-29_12-08-08.xad

Created: 1/29/2016 12:08:07 PM
Modified: 1/29/2016 3:35:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
150		✓	RIN: 6.30	
151		✓	RIN: 6.70	
152		✓	RIN: 6.90	
153		✓	RIN: 7.10	
154		✓	RIN: 6.30	
156		✓	RIN: 6.70	
157		✓	RIN:1	
159		✓	RIN: 6.90	
160		✓	RIN: 5.80	
161		✓	RIN: 7.10	
162		✓	RIN:7	
Ladder		✓	All Other Samples	

Chip Lot #

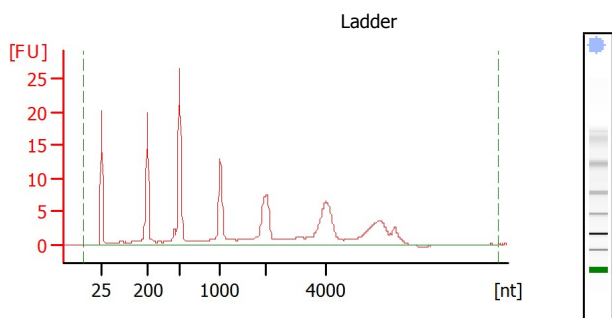
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_12-08-08.xad

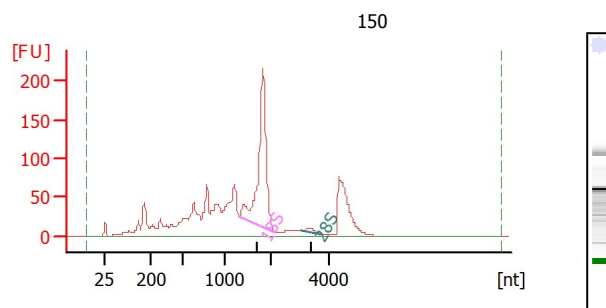
Created: 1/29/2016 12:08:07 PM
Modified: 1/29/2016 3:35:01 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 182.5
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

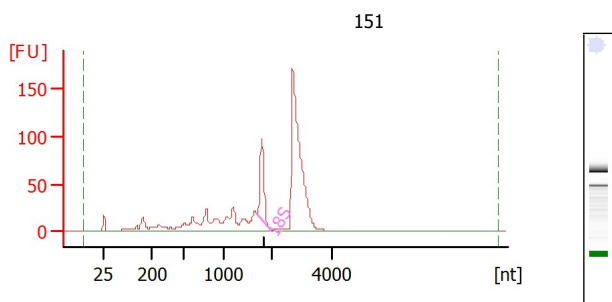


Overall Results for sample 1 : 150

RNA Area: 2,072.5
RNA Concentration: 11,357 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.30

Fragment table for sample 1 : 150

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,329	2,141	531.3	25.6
28S	3,041	3,673	13.1	0.6

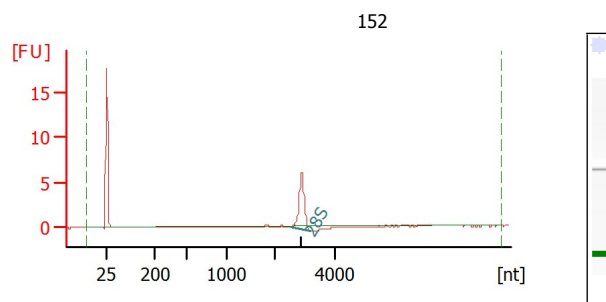


Overall Results for sample 2 : 151

RNA Area: 1,055.6
RNA Concentration: 5,784 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.70

Fragment table for sample 2 : 151

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	1,960	117.2	11.1



Overall Results for sample 3 : 152

RNA Area: 11.9
RNA Concentration: 65 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.90

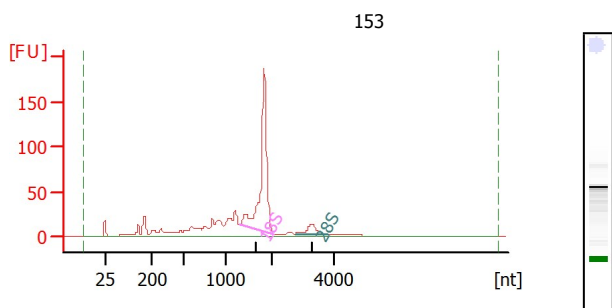
Fragment table for sample 3 : 152

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,563	3,188	10.2	85.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_12-08-08.xad

Created: 1/29/2016 12:08:07 PM
Modified: 1/29/2016 3:35:01 PM

Electropherogram Summary Continued ...

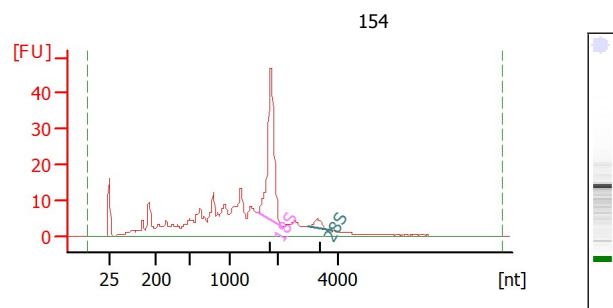


Overall Results for sample 4 : 153

RNA Area: 930.5
RNA Concentration: 5,099 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.10

Fragment table for sample 4 : 153

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,310	2,065	369.9	39.8
28S	2,756	3,807	29.0	3.1

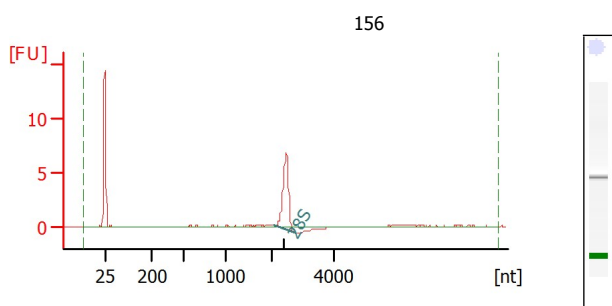


Overall Results for sample 5 : 154

RNA Area: 416.1
RNA Concentration: 2,280 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.30

Fragment table for sample 5 : 154

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	2,135	89.7	21.6
28S	2,963	3,791	7.0	1.7

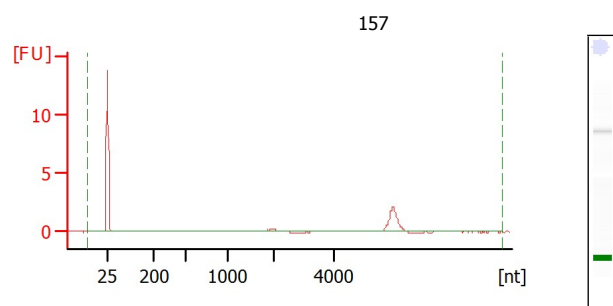


Overall Results for sample 6 : 156

RNA Area: 16.5
RNA Concentration: 90 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.70

Fragment table for sample 6 : 156

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,037	2,729	13.0	79.0



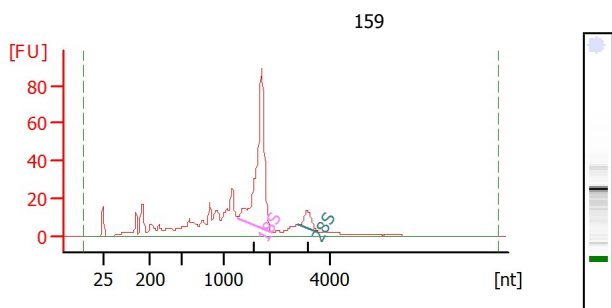
Overall Results for sample 7 : 157

RNA Area: 10.5
RNA Concentration: 58 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_12-08-08.xad

Created: 1/29/2016 12:08:07 PM
Modified: 1/29/2016 3:35:01 PM

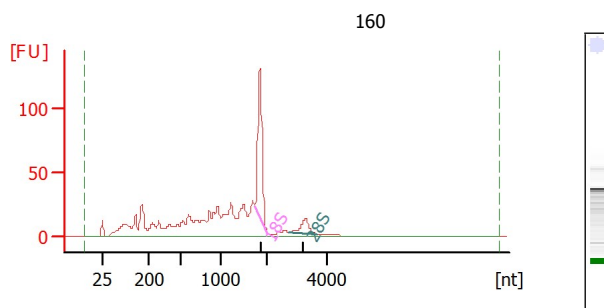
Electropherogram Summary Continued ...



Overall Results for sample 8 : 159
RNA Area: 699.4
RNA Concentration: 3,833 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.90

Fragment table for sample 8 : 159

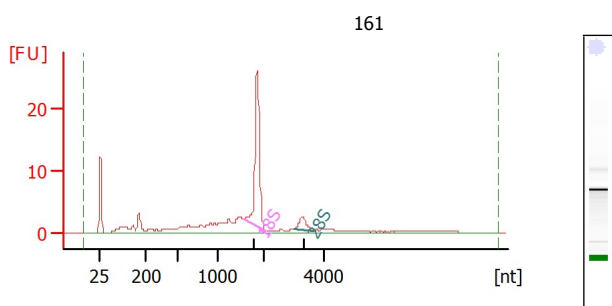
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,327	2,074	221.0	31.6
28S	2,940	3,637	21.1	3.0



Overall Results for sample 9 : 160
RNA Area: 947.4
RNA Concentration: 5,192 pg/μl
rRNA Ratio [28s / 18s]: 0.2
RNA Integrity Number (RIN): 5.8 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 5.80

Fragment table for sample 9 : 160

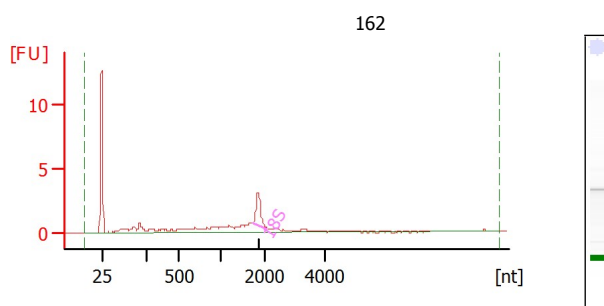
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,000	161.8	17.1
28S	2,718	3,676	27.2	2.9



Overall Results for sample 10 : 161
RNA Area: 125.9
RNA Concentration: 690 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.10

Fragment table for sample 10 : 161

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	2,081	37.7	29.9
28S	3,017	3,698	4.2	3.3



Overall Results for sample 11 : 162
RNA Area: 25.5
RNA Concentration: 140 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7

Fragment table for sample 11 : 162

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,053	3.8	14.9