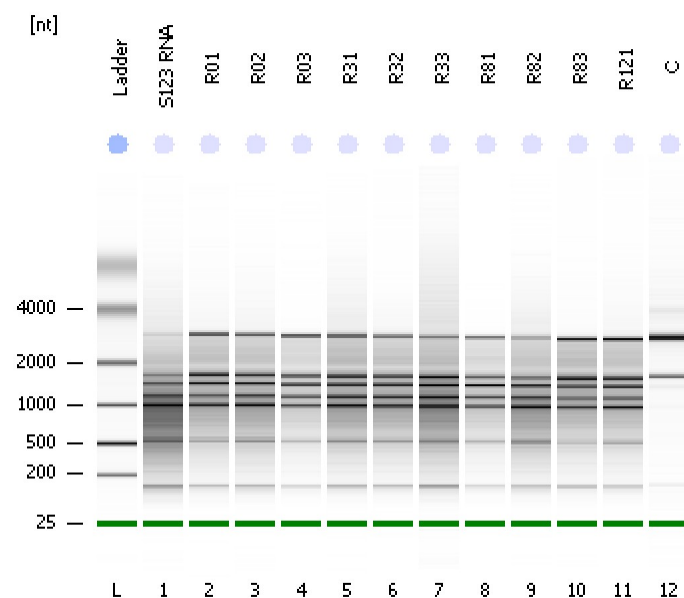


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235

Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

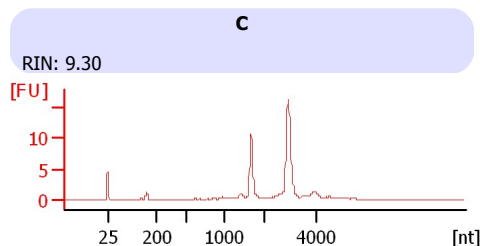
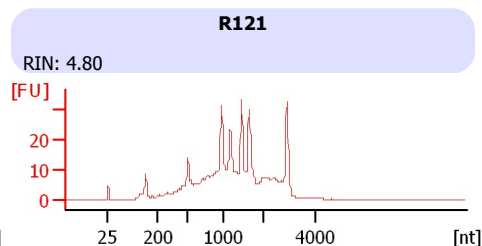
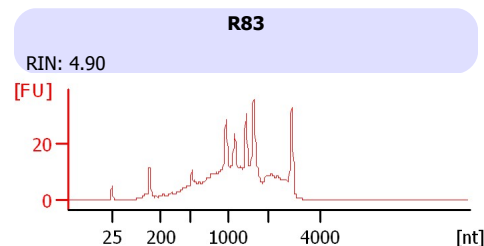
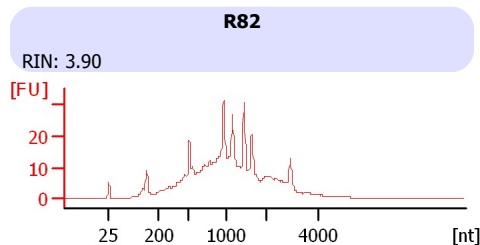
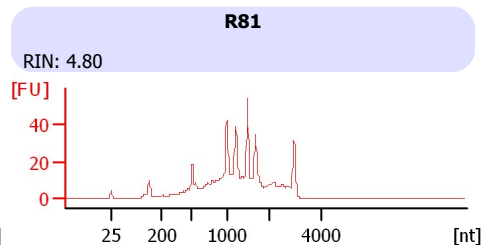
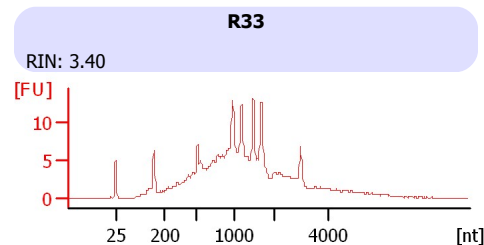
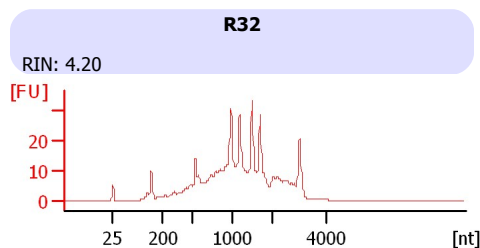
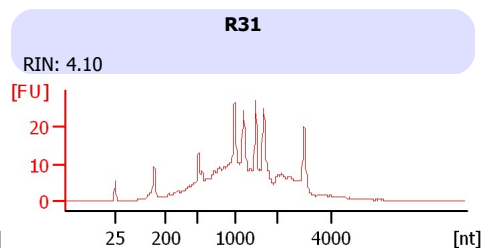
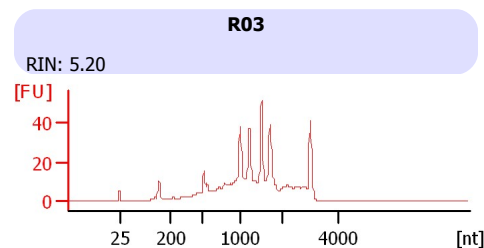
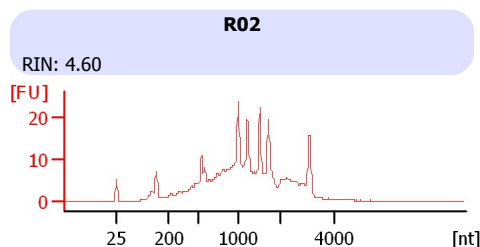
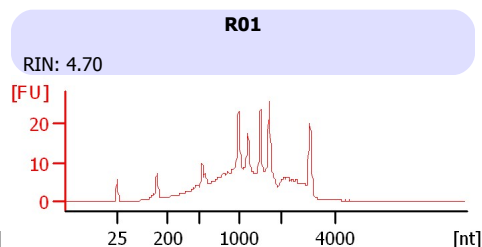
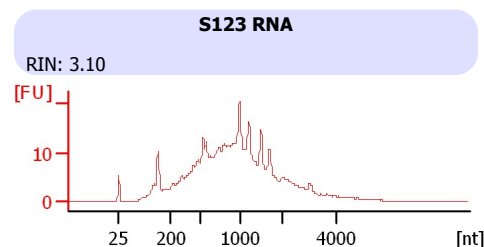
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
S123 RNA		✓	RIN: 3.10	
R01		✓	RIN: 4.70	
R02		✓	RIN: 4.60	
R03		✓	RIN: 5.20	
R31		✓	RIN: 4.10	
R32		✓	RIN: 4.20	
R33		✓	RIN: 3.40	
R81		✓	RIN: 4.80	
R82		✓	RIN: 3.90	
R83		✓	RIN: 4.90	
R121		✓	RIN: 4.80	
C		✓	RIN: 9.30	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

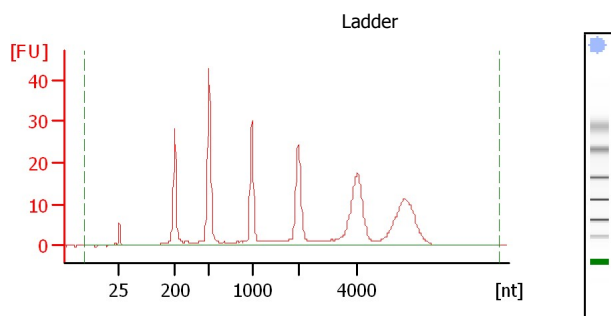
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

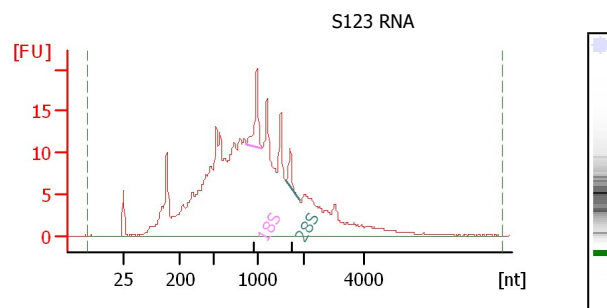
Created: 5/31/2012 8:07:53 PM
 Modified: 5/31/2012 9:44:02 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 332.0
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

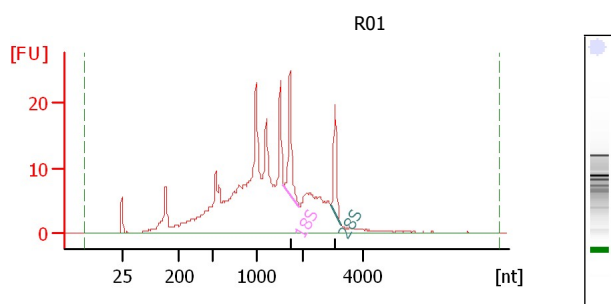


Overall Results for sample 1 : S123 RNA

RNA Area: 432.7
 RNA Concentration: 195 ng/μl
 rRNA Ratio [28s / 18s]: 0.4
 RNA Integrity Number (RIN): 3.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.10

Fragment table for sample 1 : S123 RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	878	1,117	11.4	2.6
28S	1,632	1,912	4.5	1.0

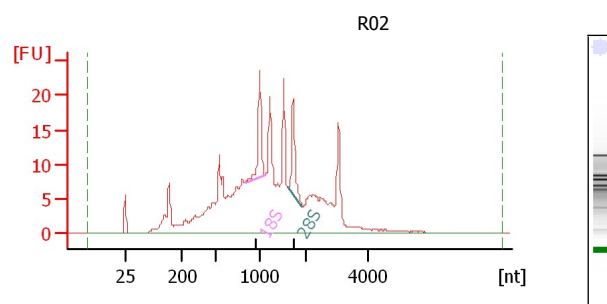


Overall Results for sample 2 : R01

RNA Area: 354.4
 RNA Concentration: 160 ng/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 4.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.70

Fragment table for sample 2 : R01

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,924	19.2	5.4
28S	2,926	3,260	14.6	4.1



Overall Results for sample 3 : R02

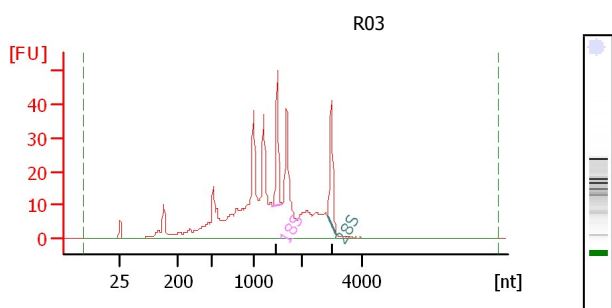
RNA Area: 355.5
 RNA Concentration: 161 ng/μl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 4.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.60

Fragment table for sample 3 : R02

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	832	1,110	17.1	4.8
28S	1,594	1,916	15.4	4.3

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

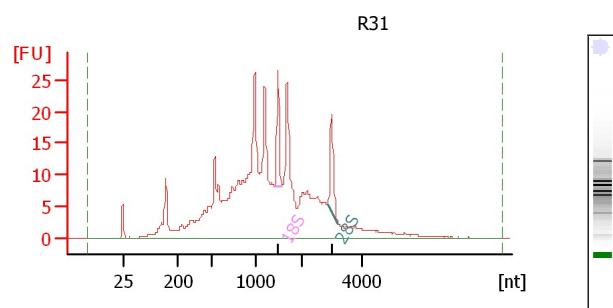
Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : R03**

RNA Area: 500.5
RNA Concentration: 226 ng/μl
rRNA Ratio [28s / 18s]: 1.0
RNA Integrity Number (RIN): 5.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.20

Fragment table for sample 4 : R03

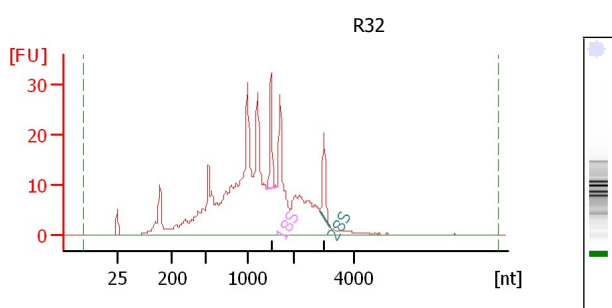
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,392	1,599	30.3	6.0
28S	2,884	3,191	29.7	5.9

**Overall Results for sample 5 : R31**

RNA Area: 425.7
RNA Concentration: 192 ng/μl
rRNA Ratio [28s / 18s]: 1.0
RNA Integrity Number (RIN): 4.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.10

Fragment table for sample 5 : R31

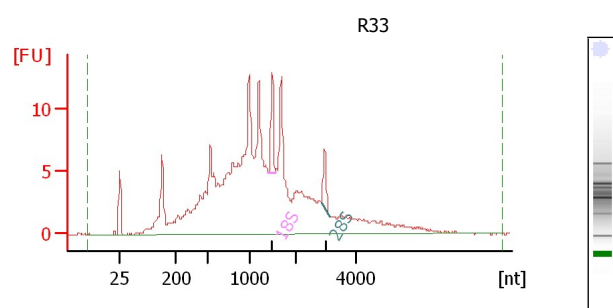
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,556	14.2	3.3
28S	2,858	3,238	14.6	3.4

**Overall Results for sample 6 : R32**

RNA Area: 462.2
RNA Concentration: 209 ng/μl
rRNA Ratio [28s / 18s]: 0.8
RNA Integrity Number (RIN): 4.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.20

Fragment table for sample 6 : R32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,613	18.0	3.9
28S	2,846	3,200	14.9	3.2

**Overall Results for sample 7 : R33**

RNA Area: 253.2
RNA Concentration: 114 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 3.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.40

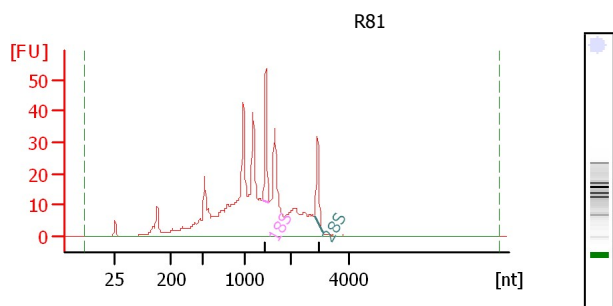
Fragment table for sample 7 : R33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,386	1,543	6.1	2.4
28S	2,847	3,161	3.7	1.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
 Modified: 5/31/2012 9:44:02 PM

Electropherogram Summary Continued ...

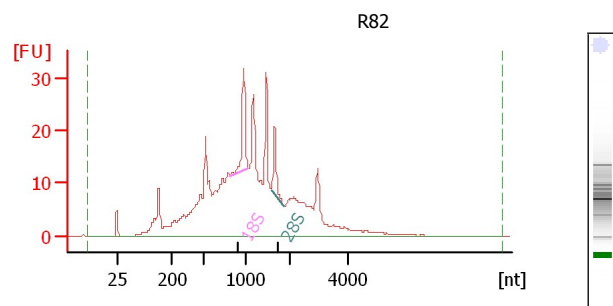


Overall Results for sample 8 : R81

RNA Area: 527.2
 RNA Concentration: 238 ng/μl
 rRNA Ratio [28s / 18s]: 0.7
 RNA Integrity Number (RIN): 4.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.80

Fragment table for sample 8 : R81

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,377	1,544	32.1	6.1
28S	2,820	3,122	22.7	4.3

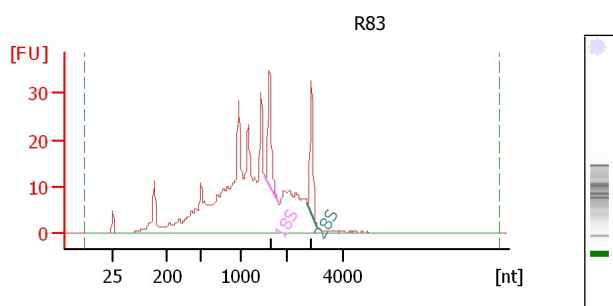


Overall Results for sample 9 : R82

RNA Area: 501.6
 RNA Concentration: 227 ng/μl
 rRNA Ratio [28s / 18s]: 0.6
 RNA Integrity Number (RIN): 3.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.90

Fragment table for sample 9 : R82

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	811	1,062	22.6	4.5
28S	1,576	1,829	12.6	2.5

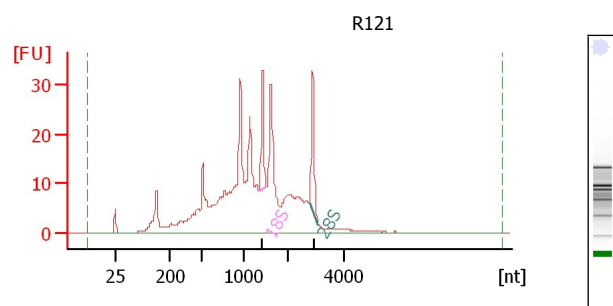


Overall Results for sample 10 : R83

RNA Area: 474.5
 RNA Concentration: 214 ng/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 4.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.90

Fragment table for sample 10 : R83

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,826	27.7	5.8
28S	2,749	3,069	23.3	4.9



Overall Results for sample 11 : R121

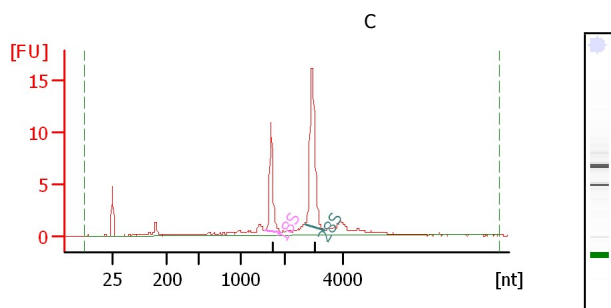
RNA Area: 438.6
 RNA Concentration: 198 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 4.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.80

Fragment table for sample 11 : R121

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,361	1,531	18.7	4.3
28S	2,749	3,071	23.9	5.5

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : C**

RNA Area: 62.7
RNA Concentration: 28 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

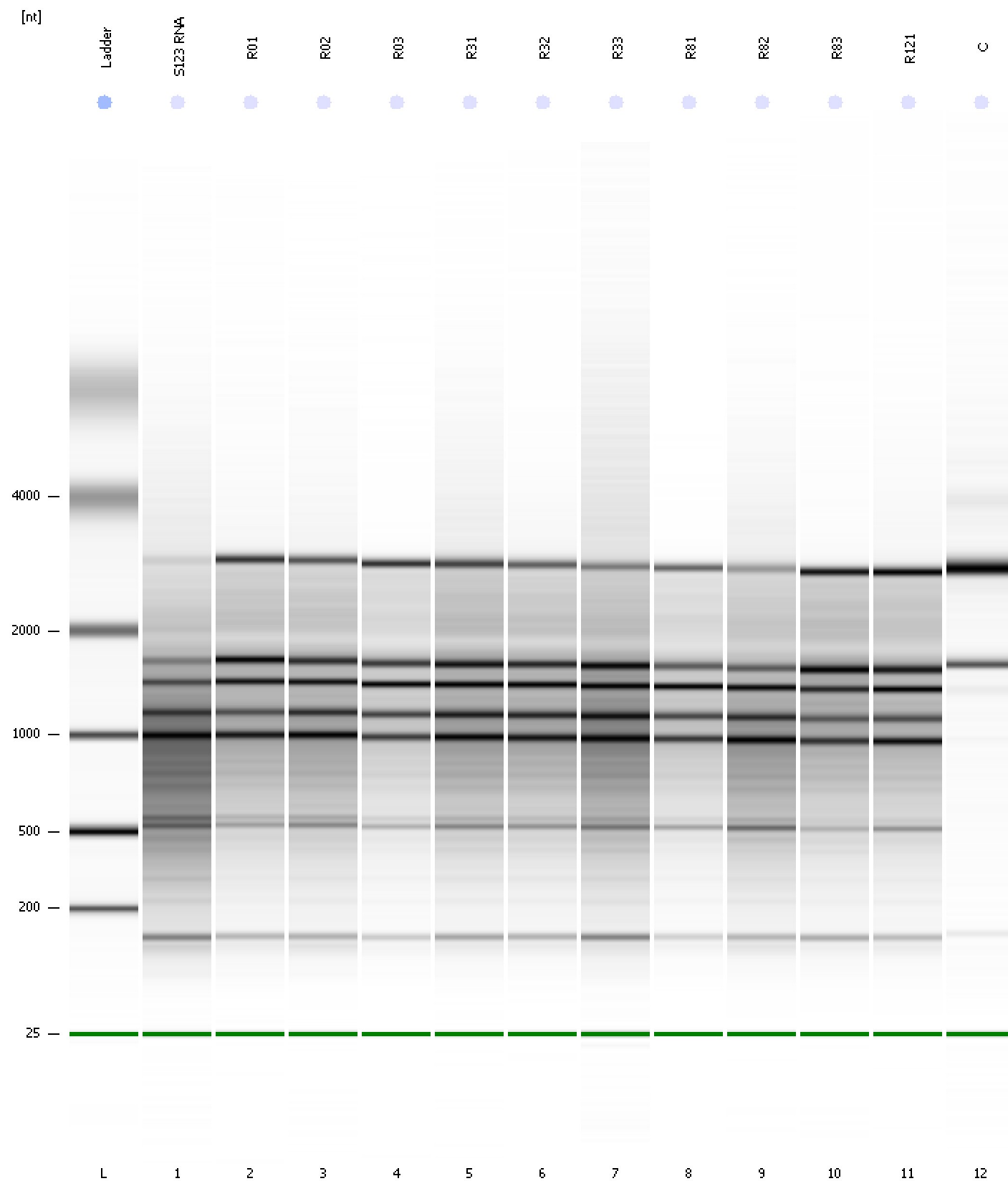
Fragment table for sample 12 : C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
------	-----------------	---------------	------	-----------------

18S	1,533	1,909	11.1	17.6
28S	2,661	3,390	22.7	36.2

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_20-07-53.xad

Created: 5/31/2012 8:07:53 PM
Modified: 5/31/2012 9:44:02 PM

Curves

Standard Curve

