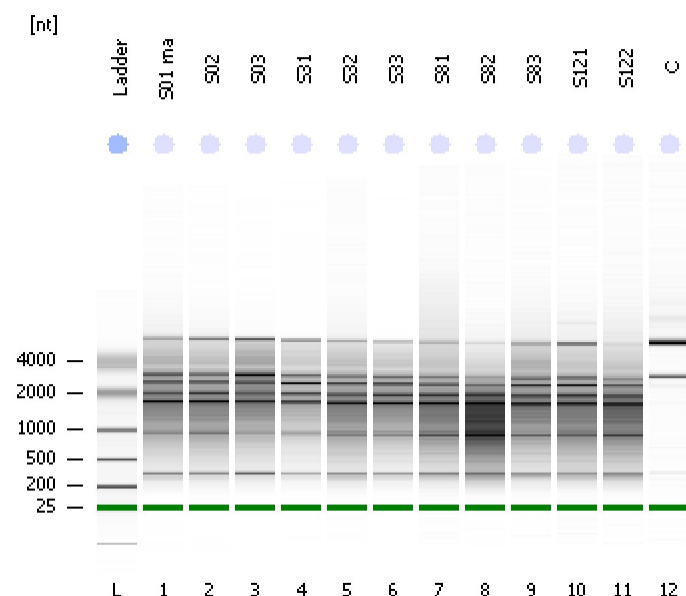


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 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)

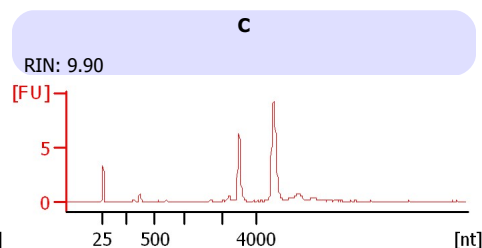
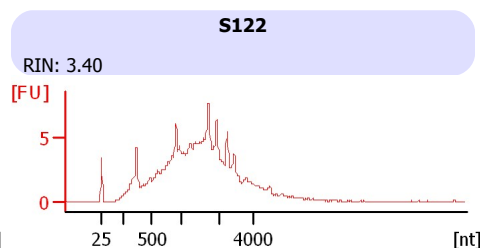
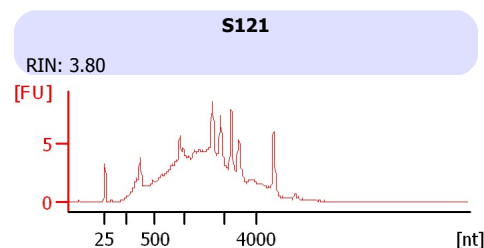
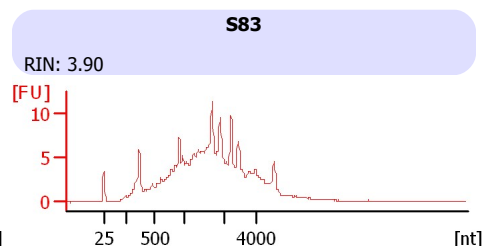
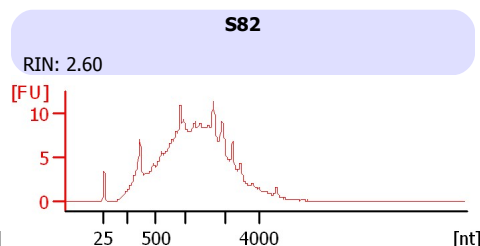
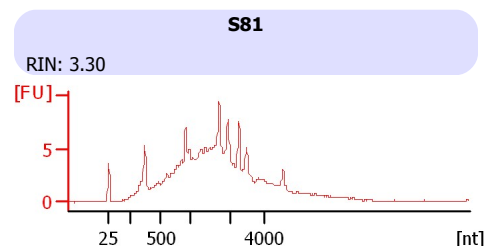
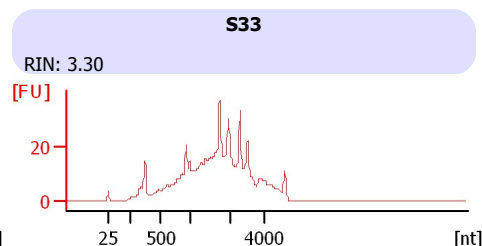
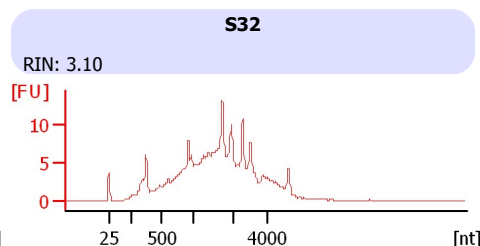
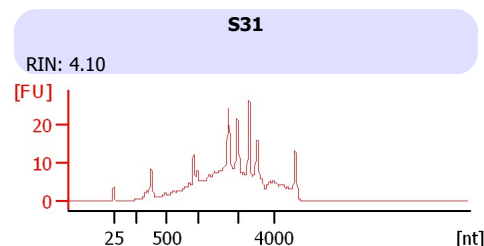
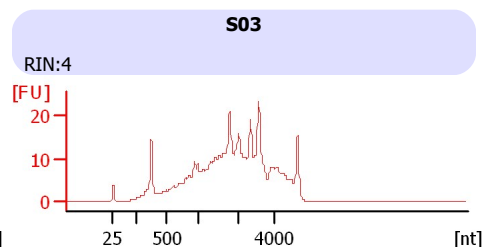
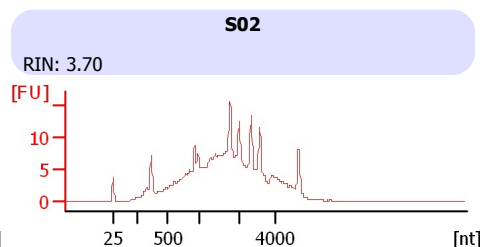
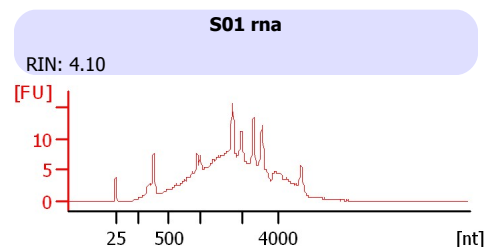
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
S01 rna		✓	RIN: 4.10	
S02		✓	RIN: 3.70	
S03		✓	RIN:4	
S31		✓	RIN: 4.10	
S32		✓	RIN: 3.10	
S33		✓	RIN: 3.30	
S81		✓	RIN: 3.30	
S82		✓	RIN: 2.60	
S83		✓	RIN: 3.90	
S121		✓	RIN: 3.80	
S122		✓	RIN: 3.40	
C		✓	RIN: 9.90	
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_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 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

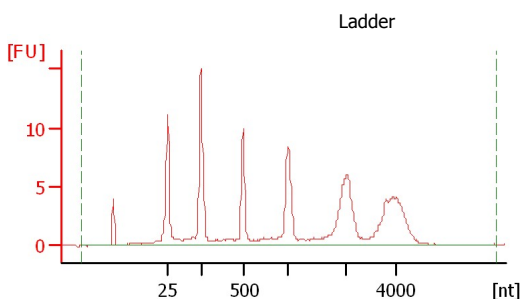
Ladder

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_18-59-22.xad

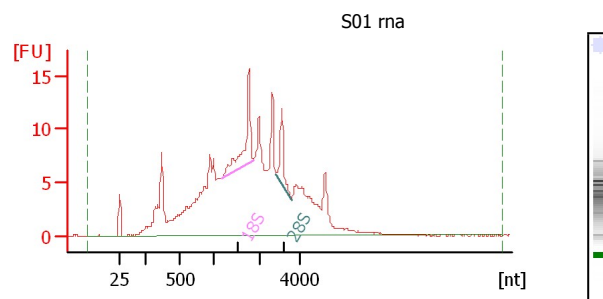
Created: 5/31/2012 6:59:21 PM
 Modified: 5/31/2012 7:23:19 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 124.7
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

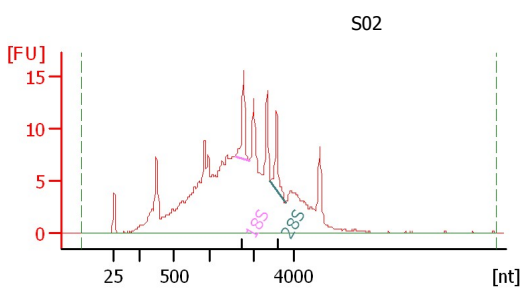


Overall Results for sample 1 : S01 rna

RNA Area: 297.2
 RNA Concentration: 358 ng/μl
 rRNA Ratio [28s / 18s]: 0.5
 RNA Integrity Number (RIN): 4.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.10

Fragment table for sample 1 : S01 rna

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,186	1,870	16.4	5.5
28S	2,829	3,595	8.5	2.9

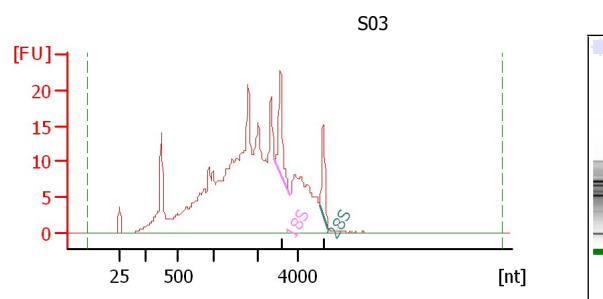


Overall Results for sample 2 : S02

RNA Area: 288.9
 RNA Concentration: 348 ng/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 3.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.70

Fragment table for sample 2 : S02

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,882	9.6	3.3
28S	2,812	3,555	7.8	2.7



Overall Results for sample 3 : S03

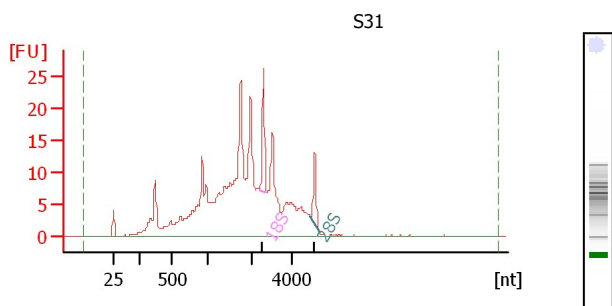
RNA Area: 437.4
 RNA Concentration: 526 ng/μl
 rRNA Ratio [28s / 18s]: 0.6
 RNA Integrity Number (RIN): 4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4

Fragment table for sample 3 : S03

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,803	3,549	17.6	4.0
28S	5,084	5,553	10.9	2.5

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

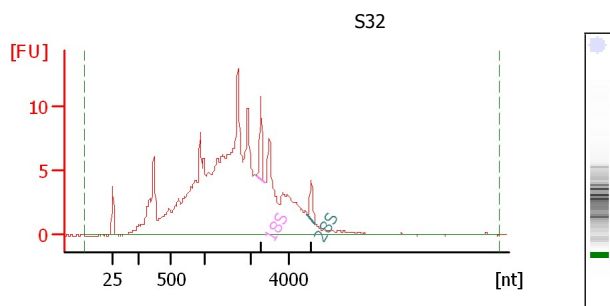
Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : S31**

RNA Area: 346.8
RNA Concentration: 417 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 4.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.10

Fragment table for sample 4 : S31

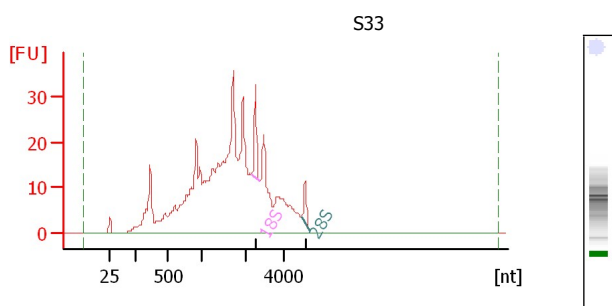
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,398	2,764	14.7	4.2
28S	5,000	5,473	9.2	2.7

**Overall Results for sample 5 : S32**

RNA Area: 237.9
RNA Concentration: 286 ng/μl
rRNA Ratio [28s / 18s]: 0.5
RNA Integrity Number (RIN): 3.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.10

Fragment table for sample 5 : S32

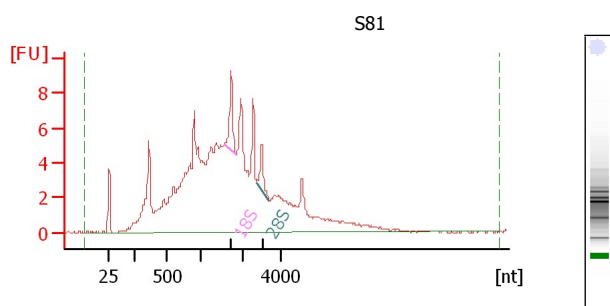
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,334	2,746	5.0	2.1
28S	4,980	5,392	2.6	1.1

**Overall Results for sample 6 : S33**

RNA Area: 590.4
RNA Concentration: 710 ng/μl
rRNA Ratio [28s / 18s]: 0.5
RNA Integrity Number (RIN): 3.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.30

Fragment table for sample 6 : S33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,306	2,701	16.2	2.7
28S	4,937	5,354	7.6	1.3

**Overall Results for sample 7 : S81**

RNA Area: 200.8
RNA Concentration: 242 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 3.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 3.30

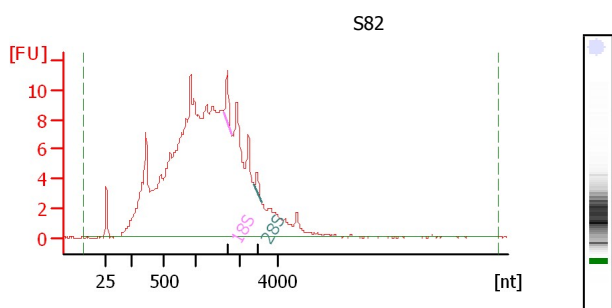
Fragment table for sample 7 : S81

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,825	5.1	2.5
28S	2,681	3,367	3.0	1.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
 Modified: 5/31/2012 7:23:19 PM

Electropherogram Summary Continued ...

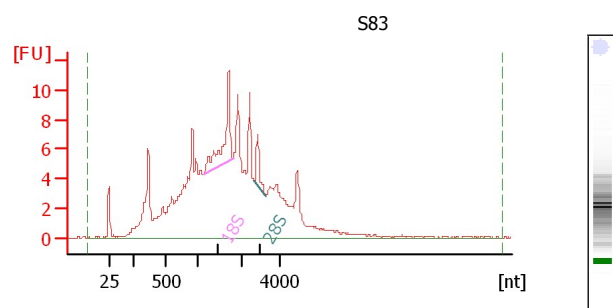


Overall Results for sample 8 : S82

RNA Area: 305.1
 RNA Concentration: 367 ng/μl
 rRNA Ratio [28s / 18s]: 0.4
 RNA Integrity Number (RIN): 2.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 8 : S82

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,812	3.7	1.2
28S	2,774	3,175	1.3	0.4

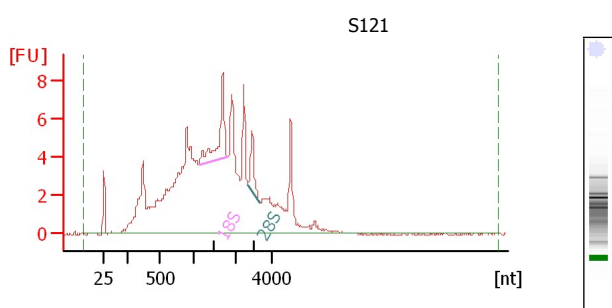


Overall Results for sample 9 : S83

RNA Area: 234.4
 RNA Concentration: 282 ng/μl
 rRNA Ratio [28s / 18s]: 0.3
 RNA Integrity Number (RIN): 3.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.90

Fragment table for sample 9 : S83

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,128	1,802	13.5	5.7
28S	2,692	3,299	3.9	1.7

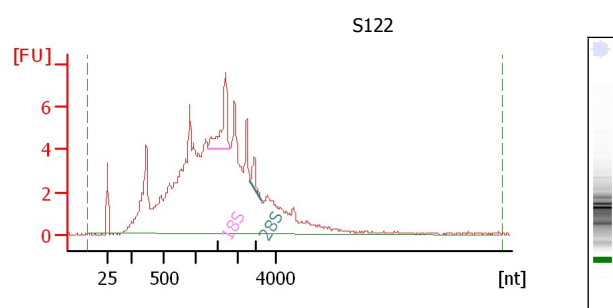


Overall Results for sample 10 : S121

RNA Area: 177.6
 RNA Concentration: 214 ng/μl
 rRNA Ratio [28s / 18s]: 0.4
 RNA Integrity Number (RIN): 3.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.80

Fragment table for sample 10 : S121

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,143	1,812	8.8	5.0
28S	2,700	3,333	3.7	2.1



Overall Results for sample 11 : S122

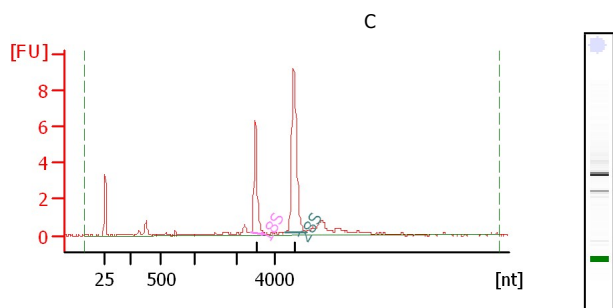
RNA Area: 167.1
 RNA Concentration: 201 ng/μl
 rRNA Ratio [28s / 18s]: 0.2
 RNA Integrity Number (RIN): 3.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.40

Fragment table for sample 11 : S122

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,286	1,789	6.7	4.0
28S	2,650	3,239	1.6	1.0

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 PM

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

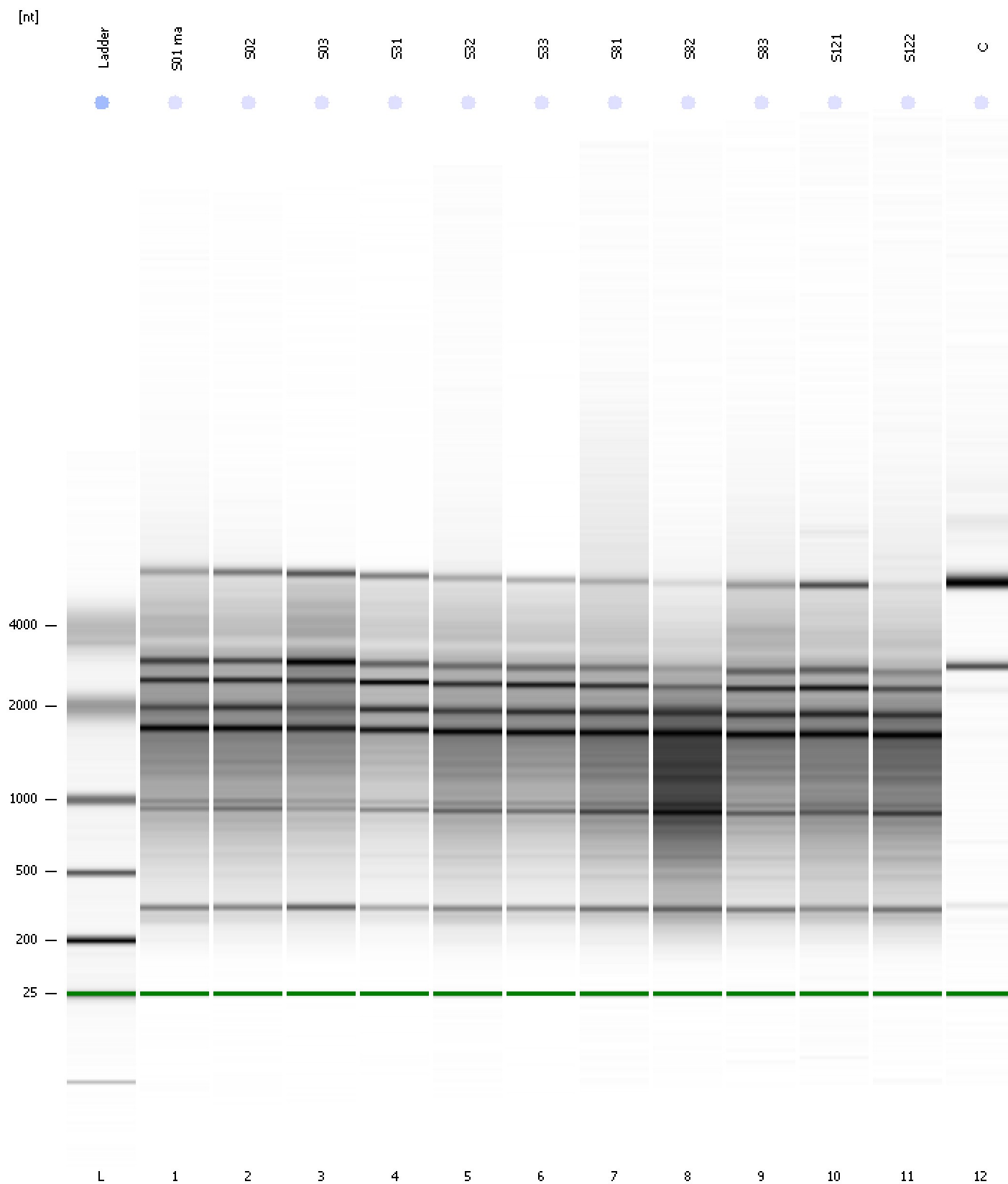
RNA Area: 35.8
RNA Concentration: 43 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.90

Fragment table for sample 12 : C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,773	3,518	6.9	19.3
28S	4,624	5,775	13.9	38.8

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-31_18-59-22.xad

Created: 5/31/2012 6:59:21 PM
Modified: 5/31/2012 7:23:19 PM

Curves

Standard Curve

