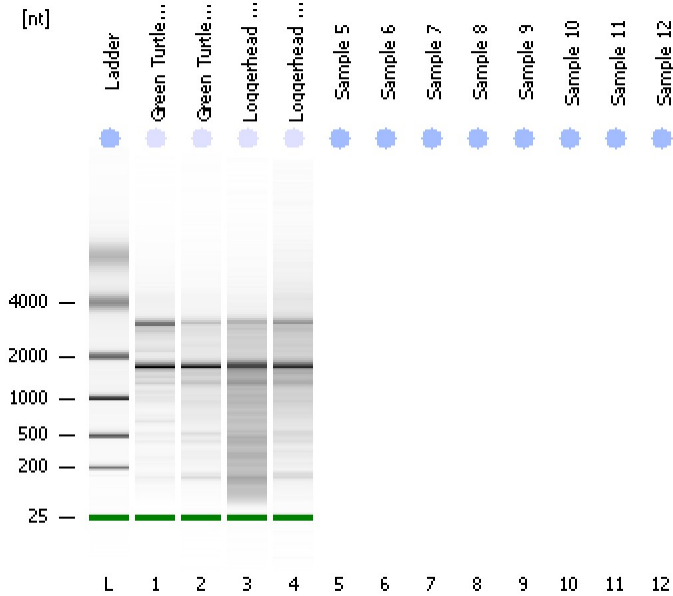


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

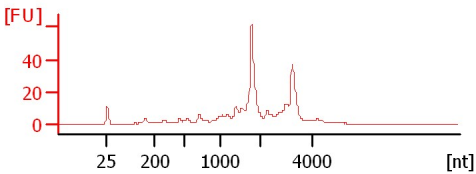
Assay Information:

Assay Origin Path: C:\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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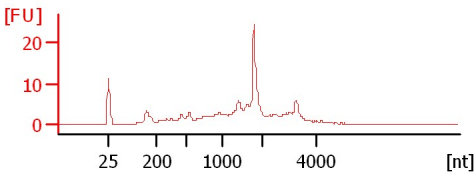
Chip Information:

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

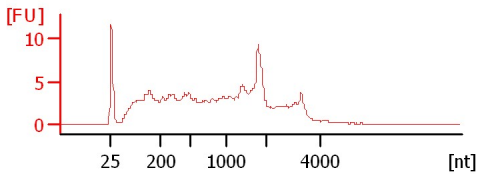
Green Turtle Organs Total RNA
RIN: 7



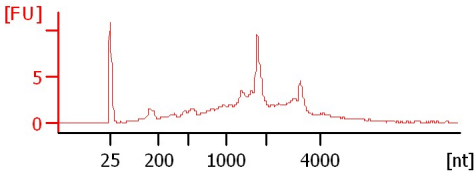
Green Turtle Blood Total RNA
RIN: 6.10



Loggerhead Turtle Organs Total RNA
RIN: 4.80



Loggerhead Turtle Blood Total RNA
RIN: 5.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Green Turtle Organs Total RNA		✓	RIN:7	
Green Turtle Blood Total RNA		✓	RIN: 6.10	
Loggerhead Turtle Organs Total RNA		✓	RIN: 4.80	
Loggerhead Turtle Blood Total		✓	RIN: 5.90	
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

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

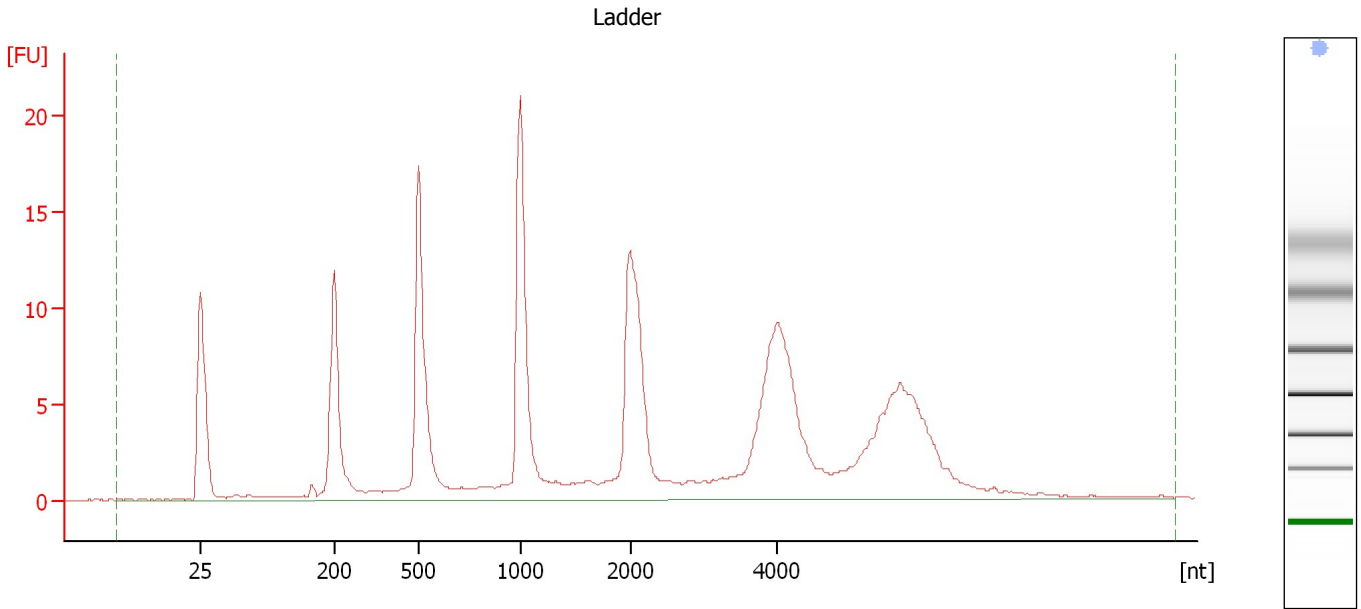
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Electropherogram Summary



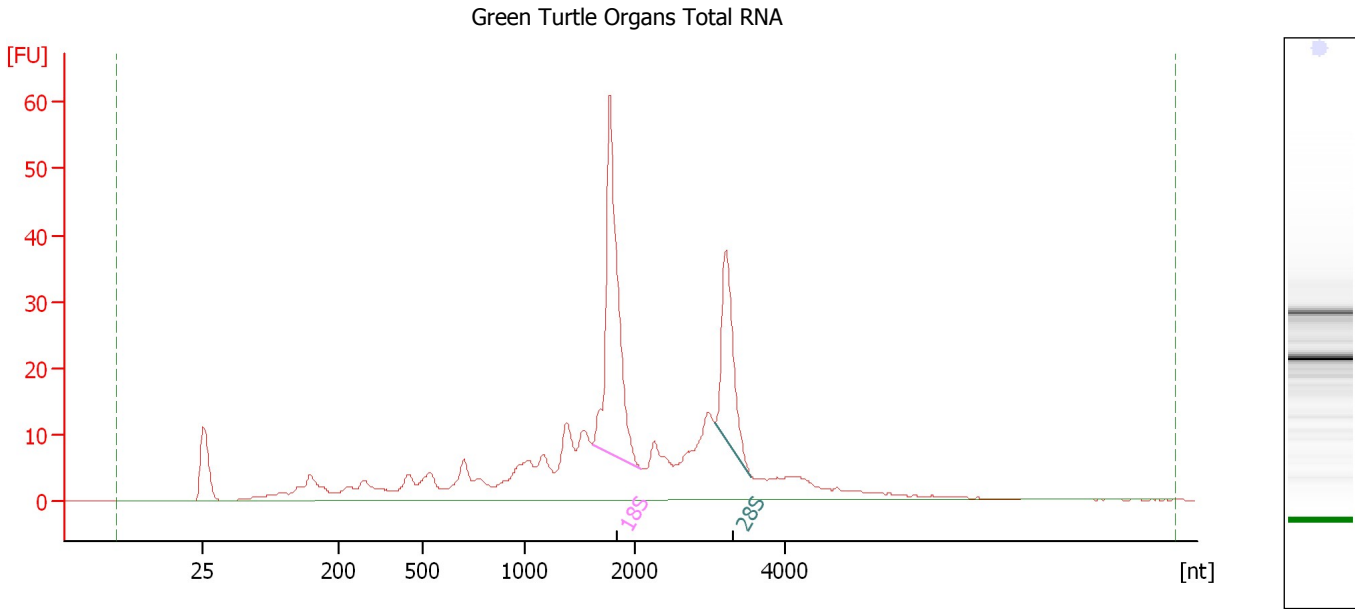
Overall Results for Ladder

RNA Area:	200.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Green Turtle Organs Total RNA

RNA Area: 415.7 RNA Integrity Number (RIN): 7 (B.02.08)
RNA Concentration: 311 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN:7

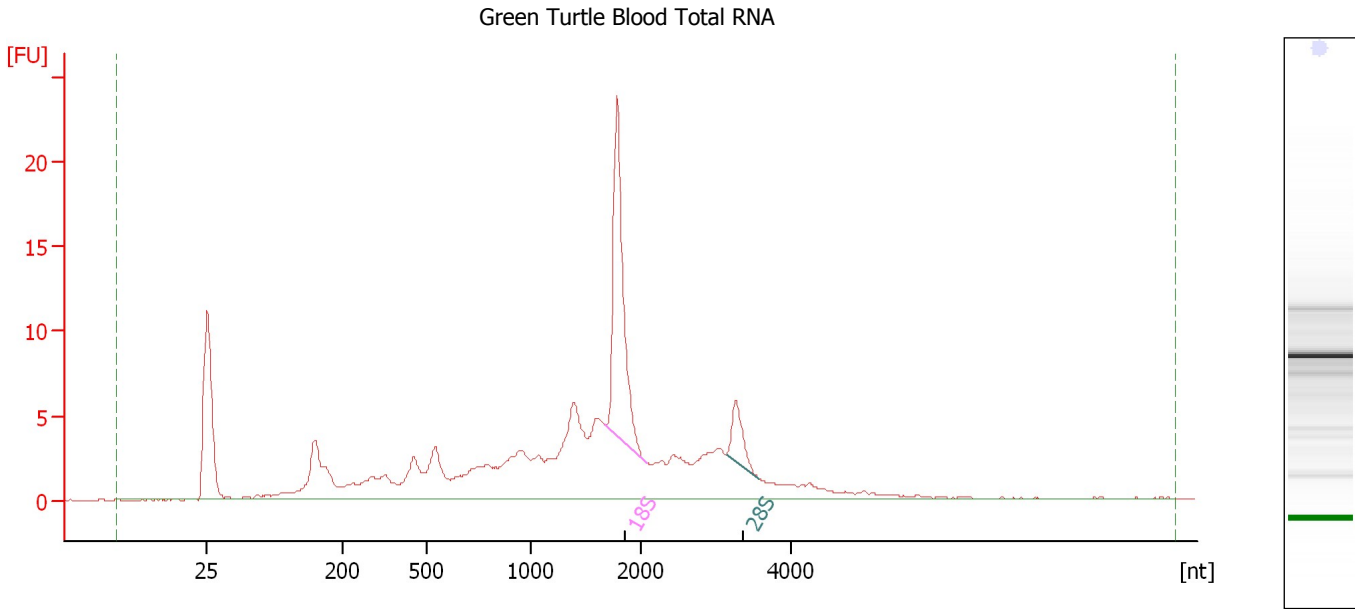
Fragment table for sample 1 : Green Turtle Organs Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	2,078	78.8	19.0
28S	3,057	3,561	36.2	8.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
 Modified: 5/3/2013 11:11:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Green Turtle Blood Total RNA

RNA Area:	164.4	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	123 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 6.10

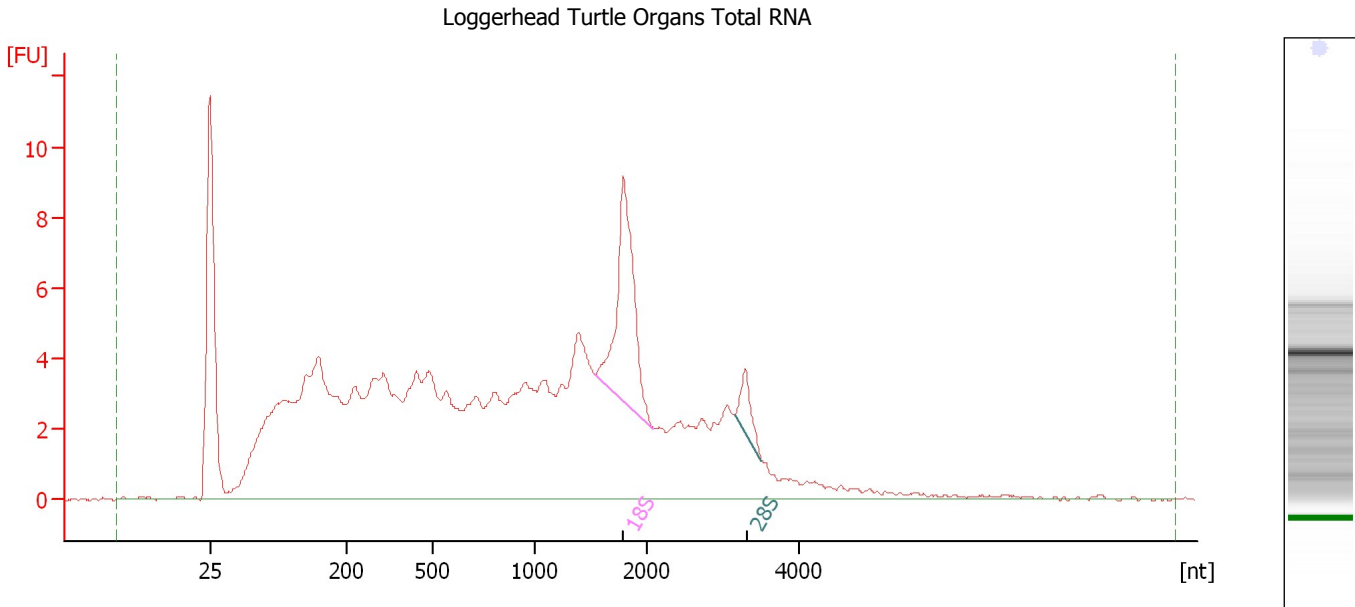
Fragment table for sample 2 : Green Turtle Blood Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	2,055	24.0	14.6
28S	3,128	3,571	4.3	2.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Loggerhead Turtle Organs Total RNA

RNA Area: 209.9 RNA Integrity Number (RIN): 4.8 (B.02.08)
RNA Concentration: 157 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 4.80

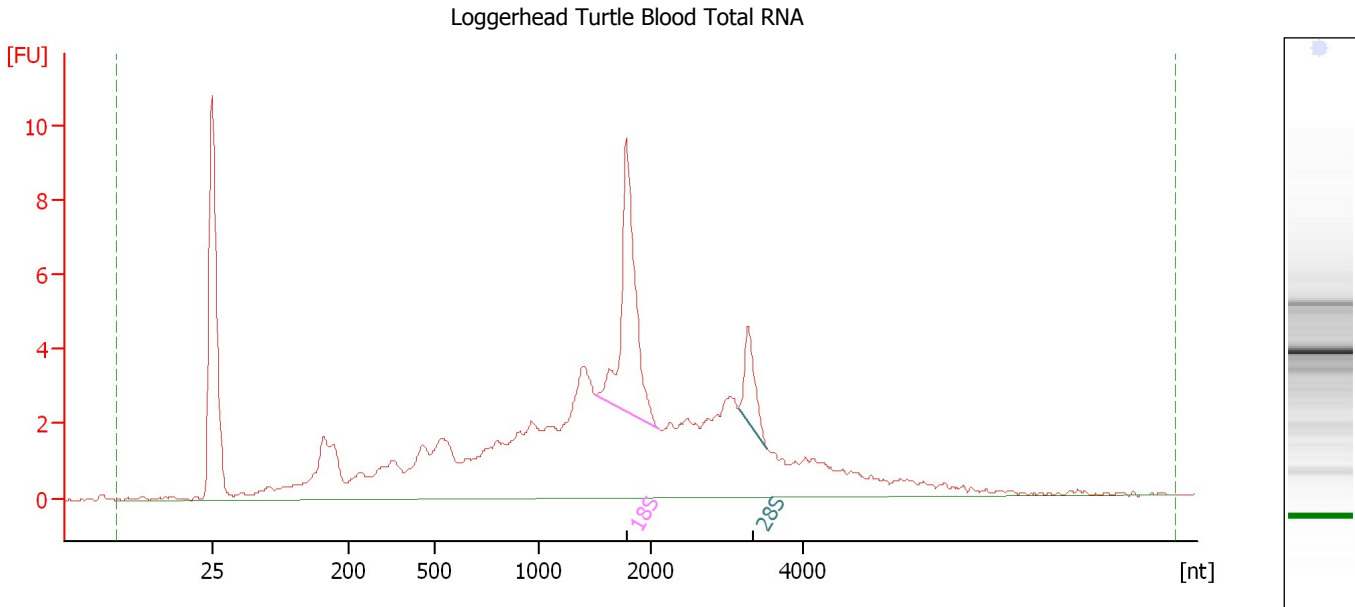
Fragment table for sample 3 : Loggerhead Turtle Organs Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	2,074	13.0	6.2
28S	3,155	3,511	2.0	1.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
 Modified: 5/3/2013 11:11:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Loggerhead Turtle Blood Total RNA

RNA Area:	120.3	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	90 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.90

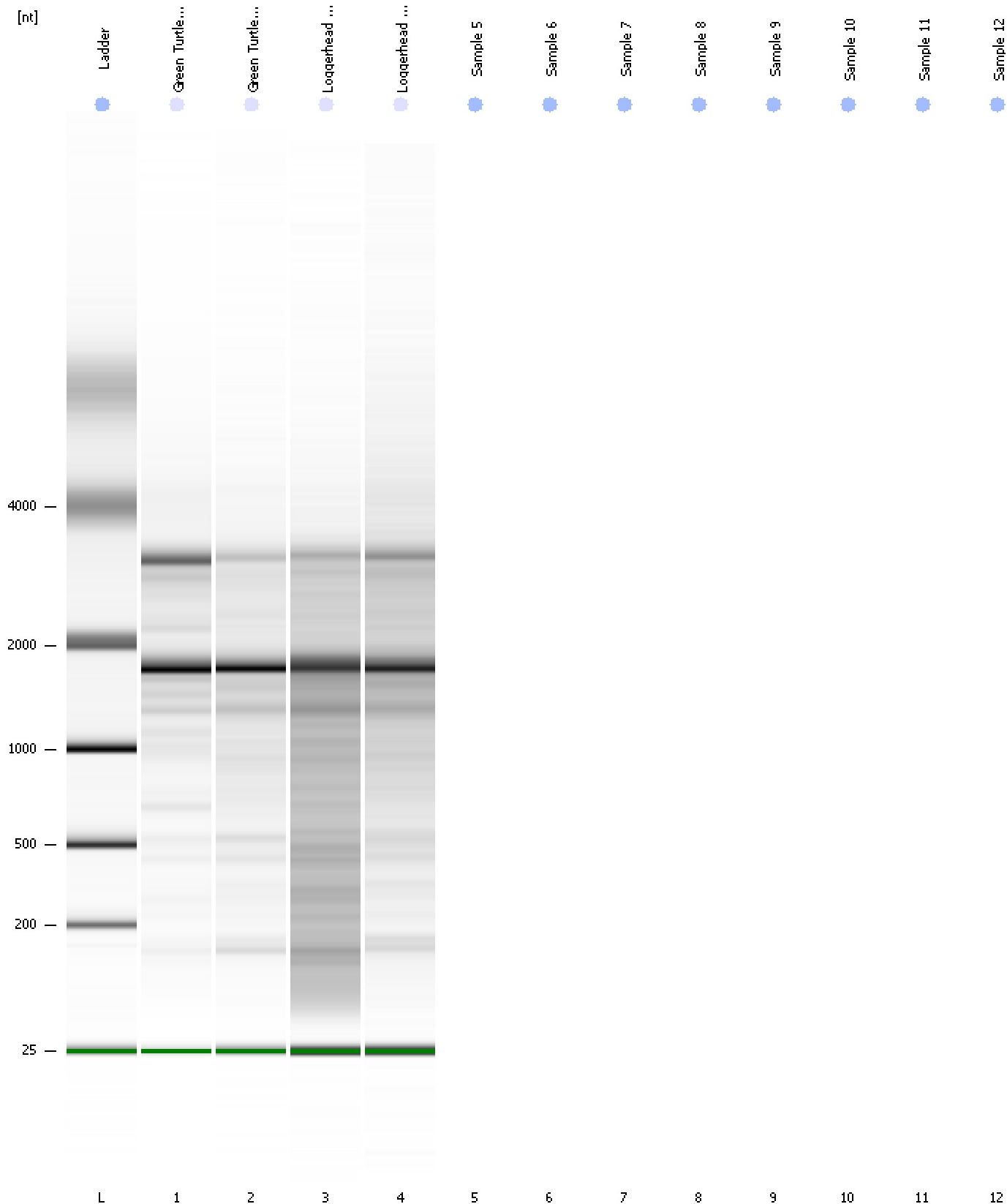
Fragment table for sample 4 : Loggerhead Turtle Blood Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	2,092	12.4	10.3
28S	3,154	3,522	2.9	2.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
Modified: 5/3/2013 11:11:17 AM

Invalid Samples

- Sample 5 has not been run, no results available.
- Sample 6 has not been run, no results available.
- Sample 7 has not been run, no results available.
- Sample 8 has not been run, no results available.
- Sample 9 has not been run, no results available.
- Sample 10 has not been run, no results available.
- Sample 11 has not been run, no results available.
- Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad

Created: 5/3/2013 10:58:21 AM
 Modified: 5/3/2013 11:11:17 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		5/3/2013 11:11:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-05-03\2013-05-03_001.xad)		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/3/2013 10:58:27 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1