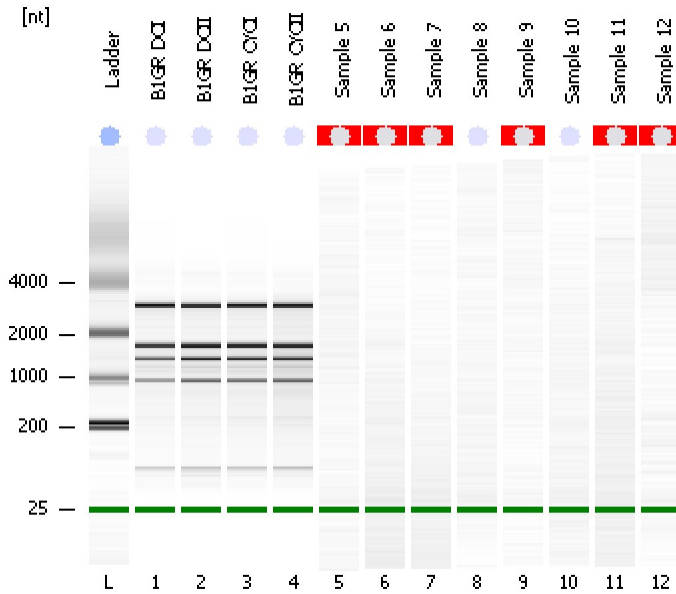


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

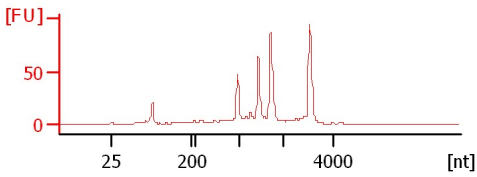
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

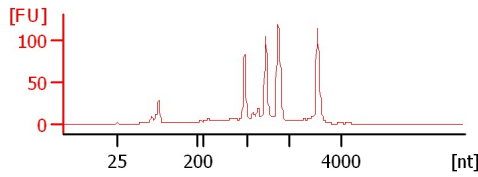
Chip Information:

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

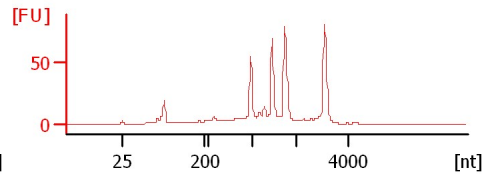
B1GR DCI
RIN: 6.50



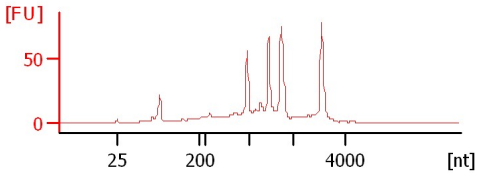
B1GR DCII
RIN: 6.10



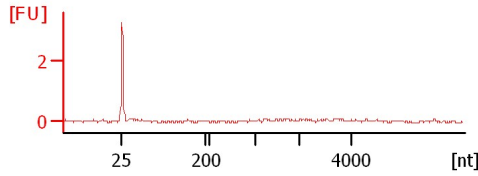
B1GR CYCI
RIN: 6.10



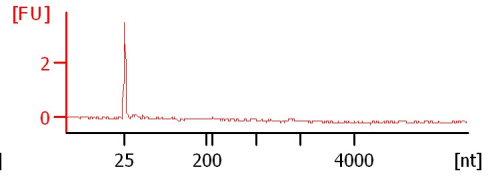
B1GR CYCII
RIN: 6.10



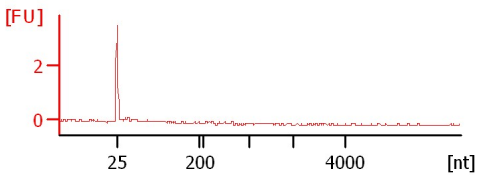
Sample 5
RIN N/A



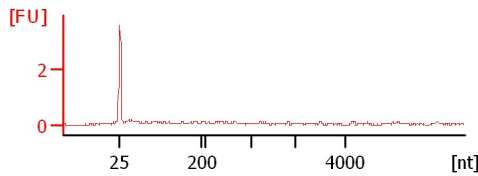
Sample 6
RIN N/A



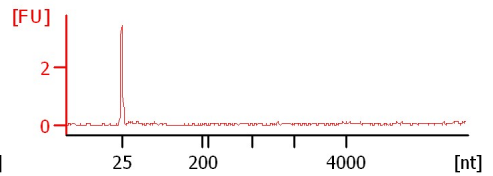
Sample 7
RIN N/A



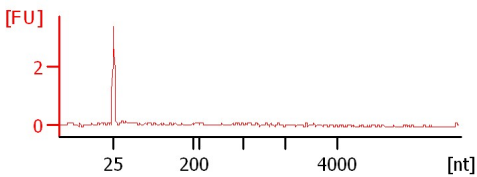
Sample 8
RIN:1



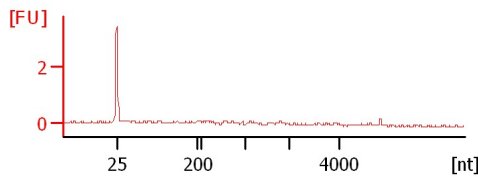
Sample 9
RIN N/A



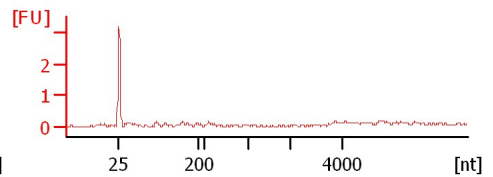
Sample 10
RIN:1



Sample 11
RIN N/A



Sample 12
RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
B1GR DCI		✓	RIN: 6.50	
B1GR DCII		✓	RIN: 6.10	
B1GR CYCI		✓	RIN: 6.10	
B1GR CYCII		✓	RIN: 6.10	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN:1	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN:1	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 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

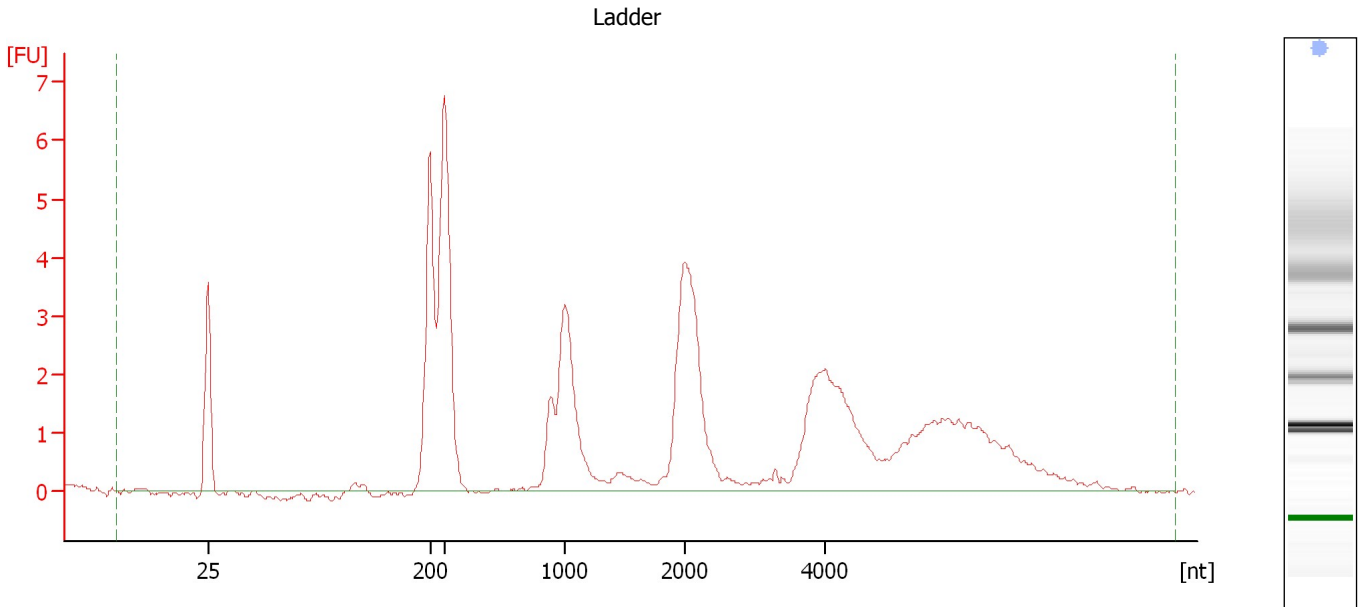
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary



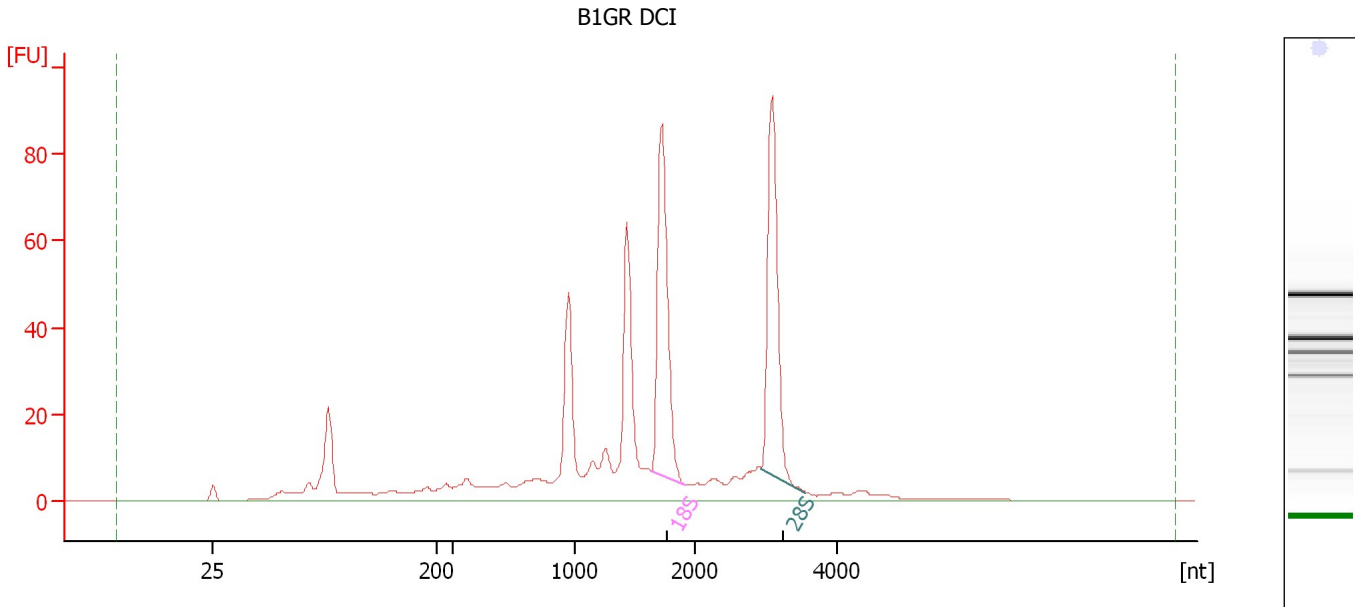
Overall Results for Ladder

RNA Area:	63.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : B1GR DCI

RNA Area: 584.4 RNA Integrity Number (RIN): 6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 1,384 ng/μl
rRNA Ratio [28s / 18s]: 0.9
Result Flagging Color:
Result Flagging Label: RIN: 6.50

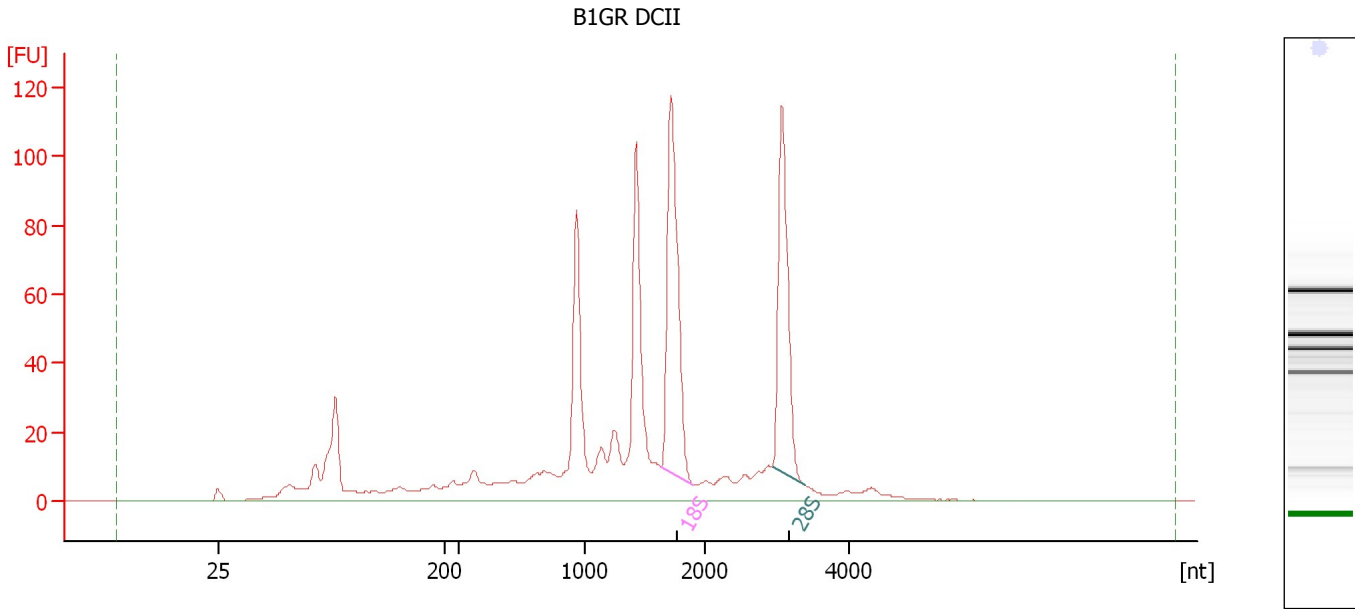
Fragment table for sample 1 : B1GR DCI

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	1,913	94.8	16.2
28S	2,934	3,548	89.3	15.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B1GR DCII

RNA Area:	869.8	RNA Integrity Number (RIN):	6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,060 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.10

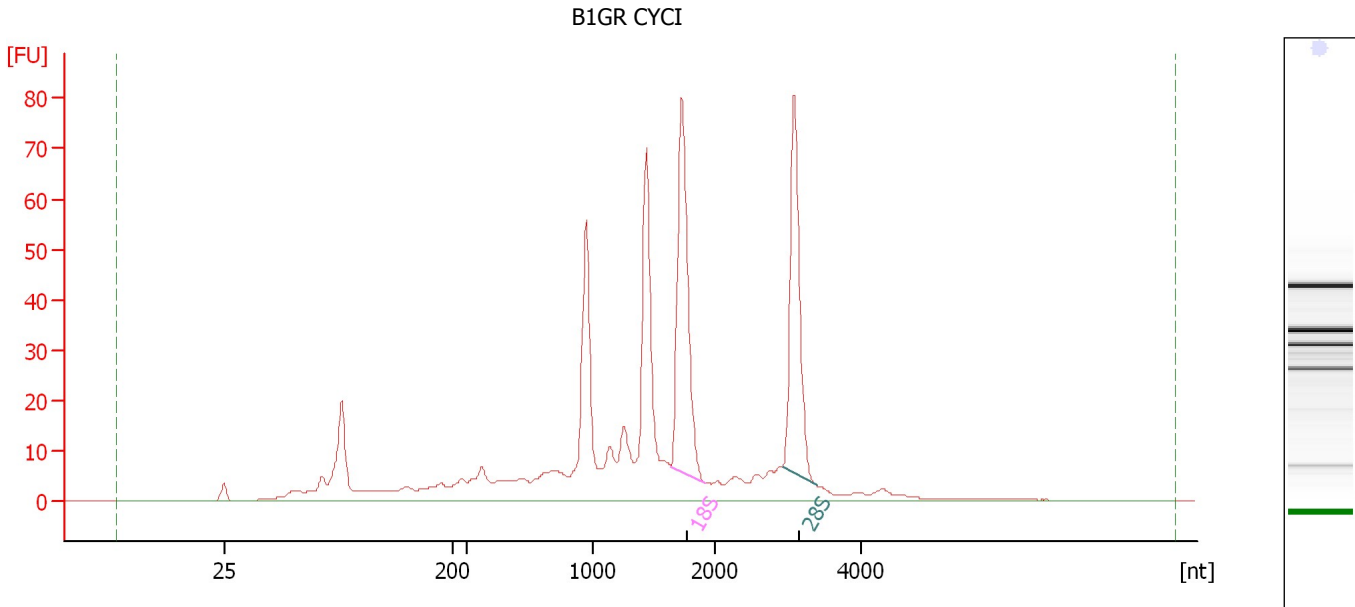
Fragment table for sample 2 : B1GR DCII

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,899	136.8	15.7
28S	2,929	3,389	107.9	12.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
 Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : B1GR CYCI

RNA Area:	589.3	RNA Integrity Number (RIN):	6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,396 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.10

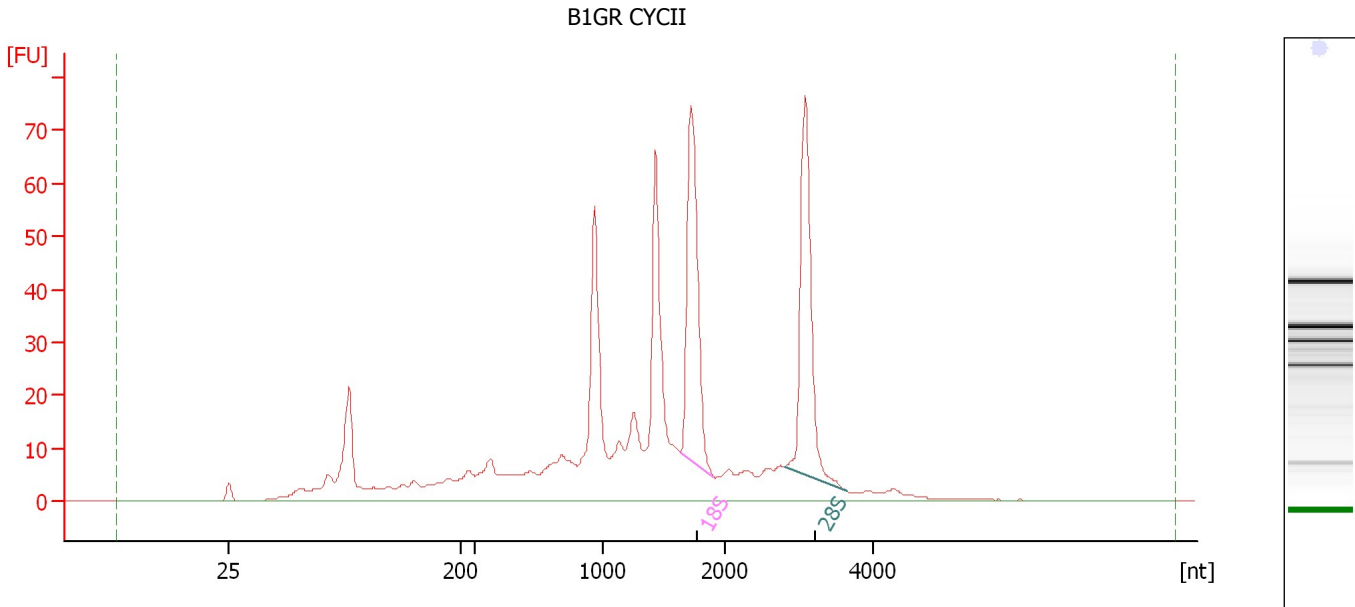
Fragment table for sample 3 : B1GR CYCI

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,911	90.7	15.4
28S	2,924	3,394	75.8	12.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
 Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B1GR CYCII

RNA Area:	639.2	RNA Integrity Number (RIN):	6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,514 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.10

Fragment table for sample 4 : B1GR CYCII

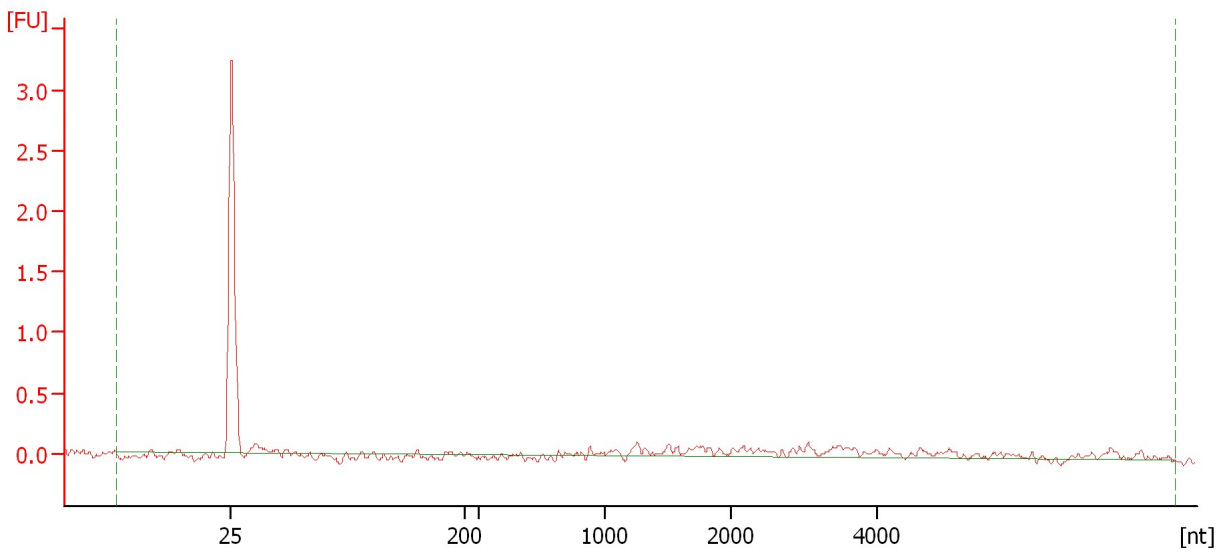
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	1,898	81.3	12.7
28S	2,802	3,660	78.7	12.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

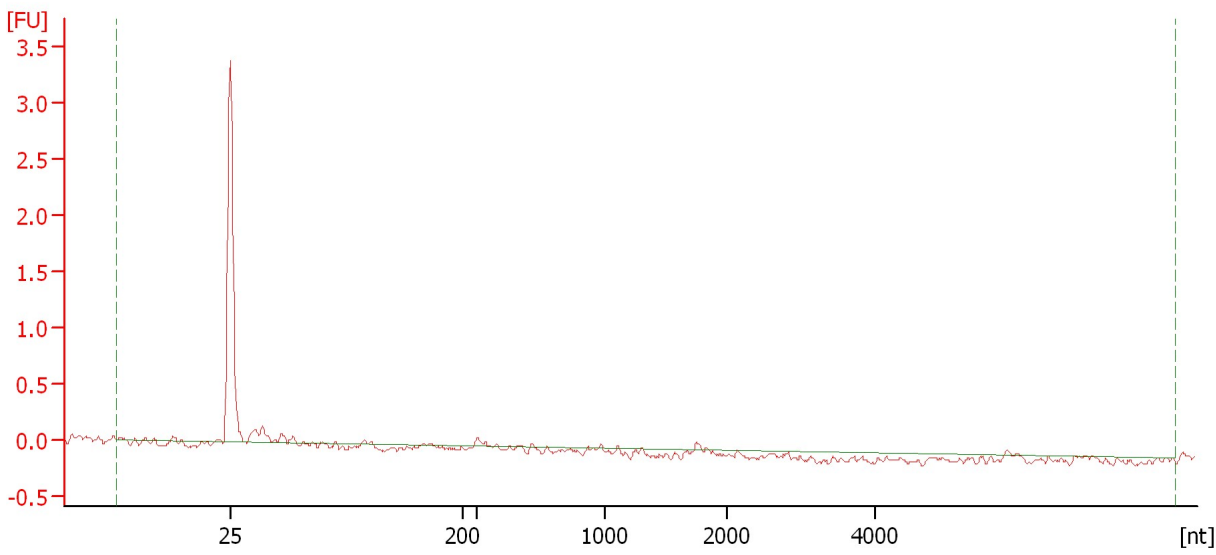
RNA Area:	2.2	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

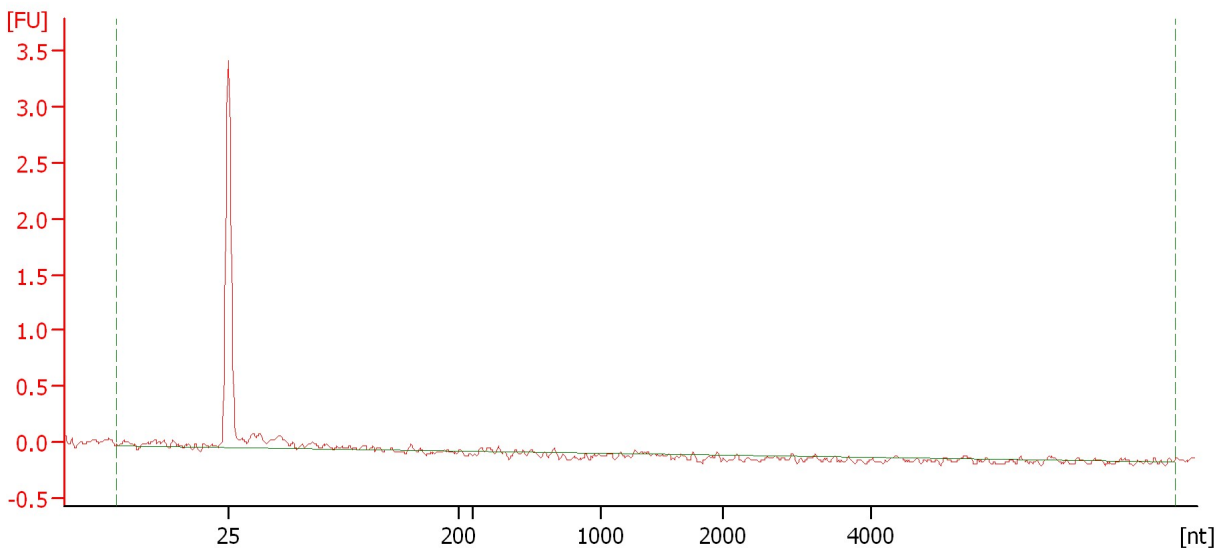
RNA Area:	0.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

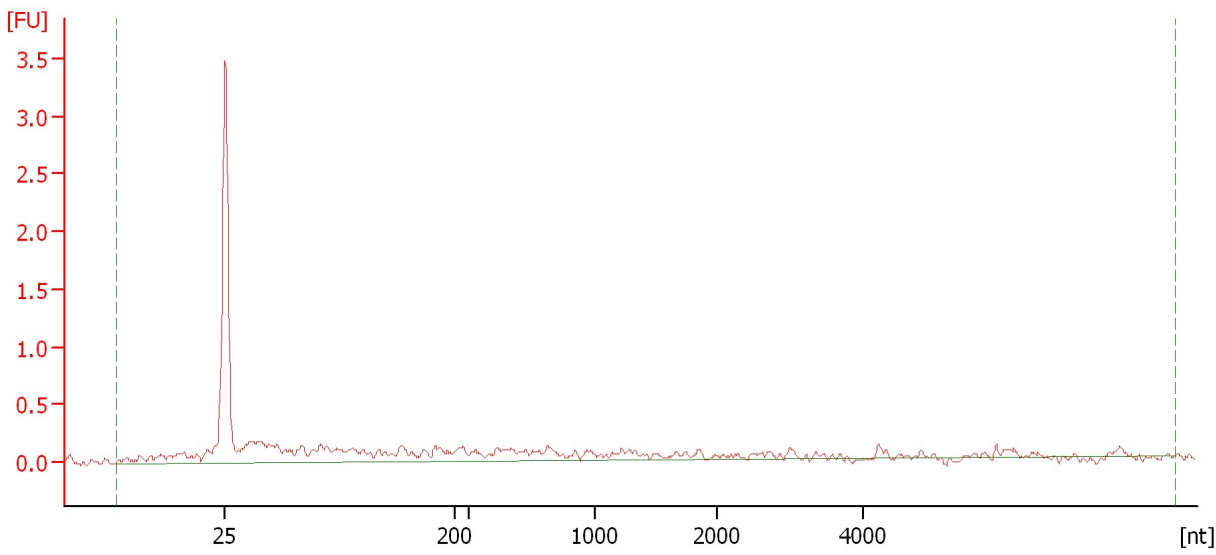
RNA Area:	2.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

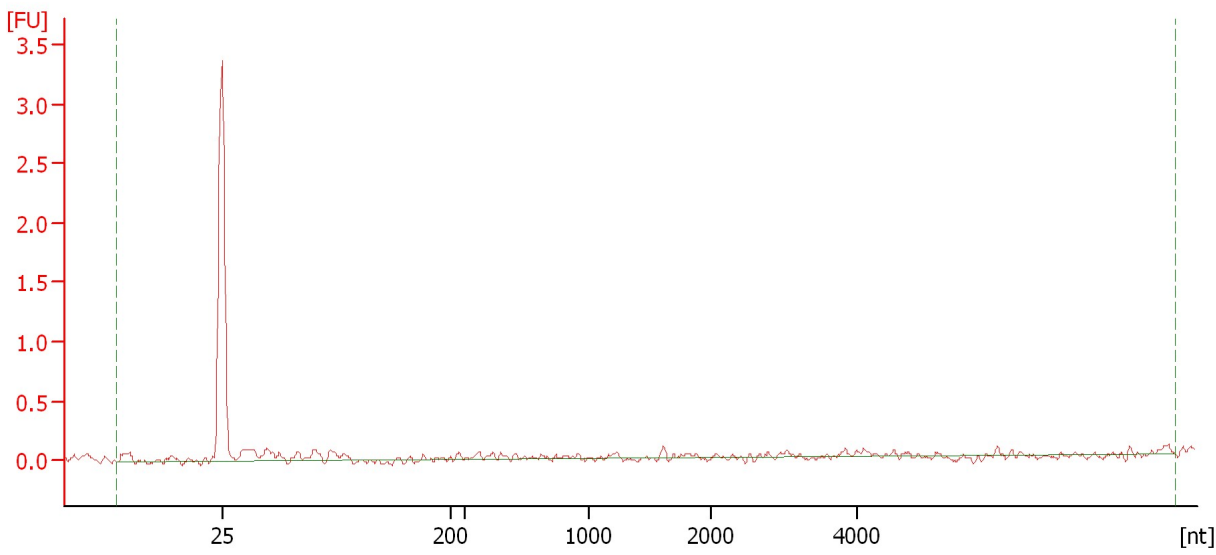
RNA Area:	7.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	18 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

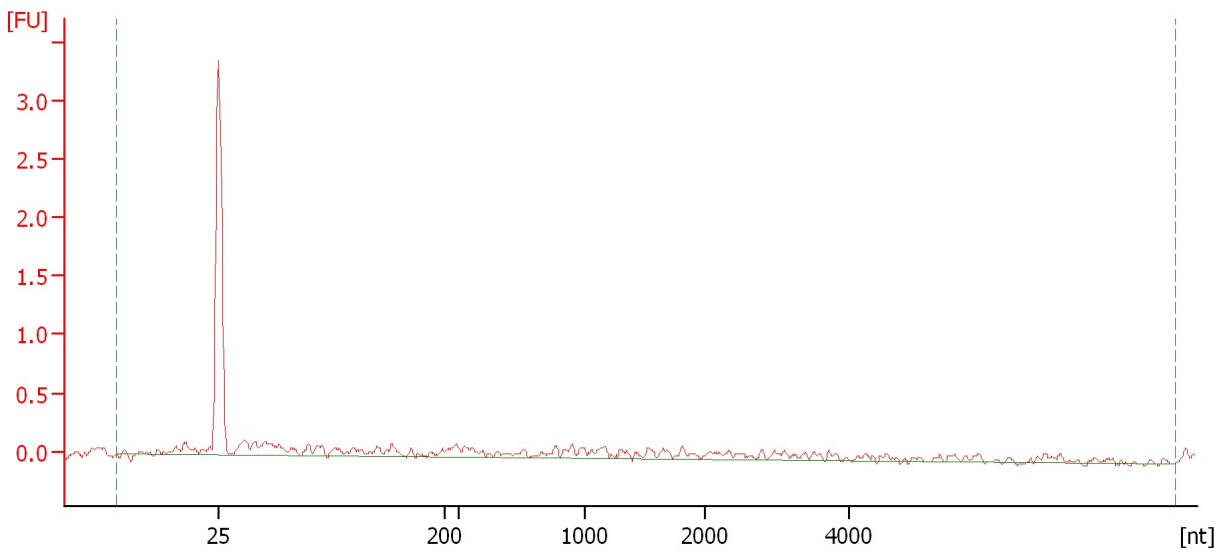
RNA Area:	1.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

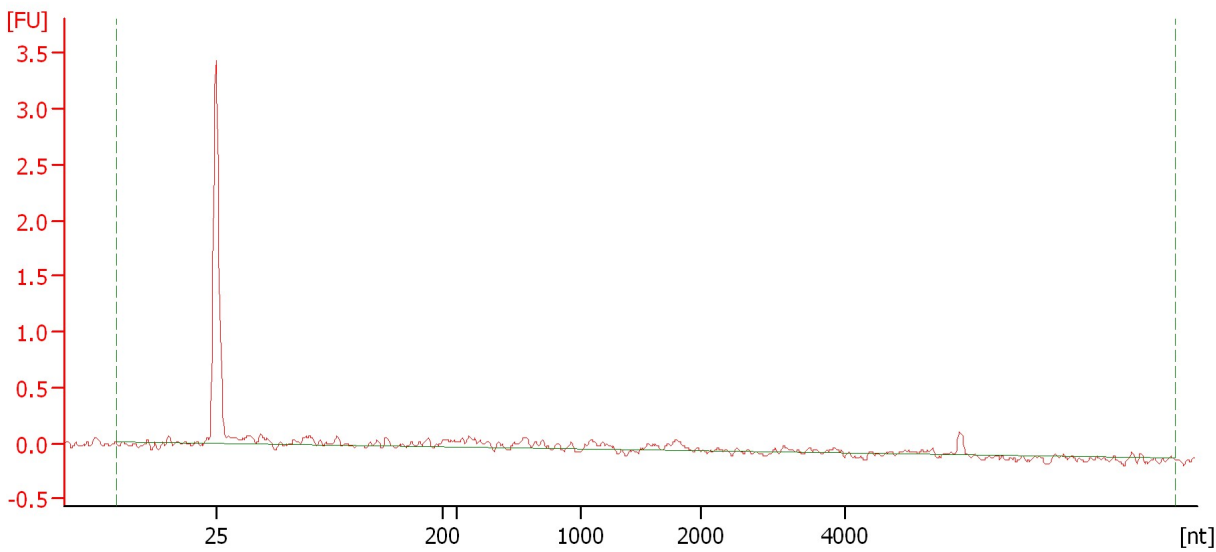
RNA Area:	4.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	11 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

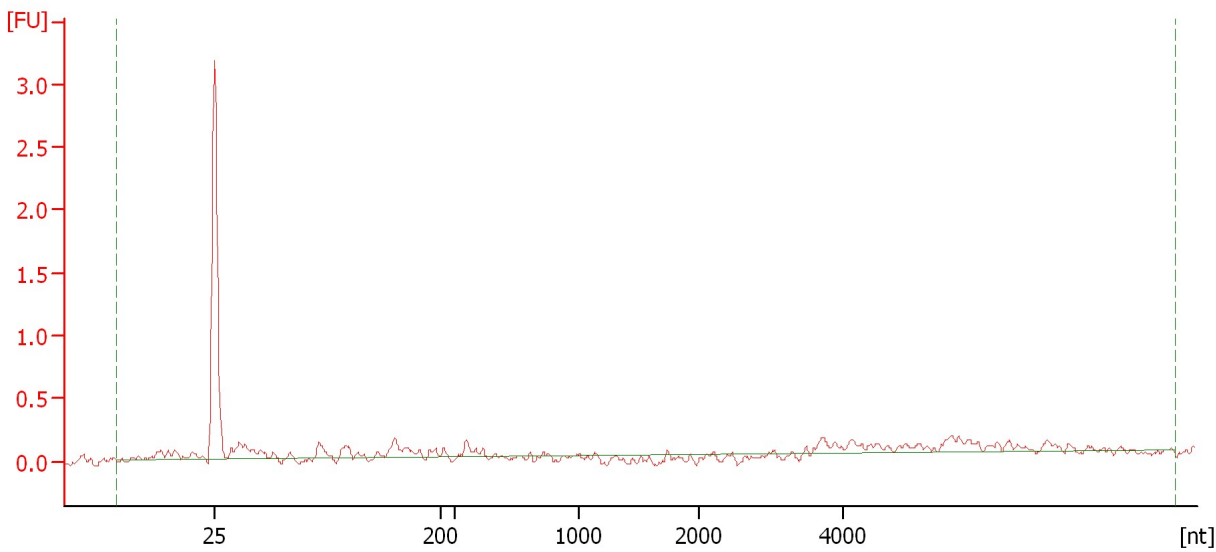
RNA Area:	2.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Electropherogram Summary Continued ...

Sample 12



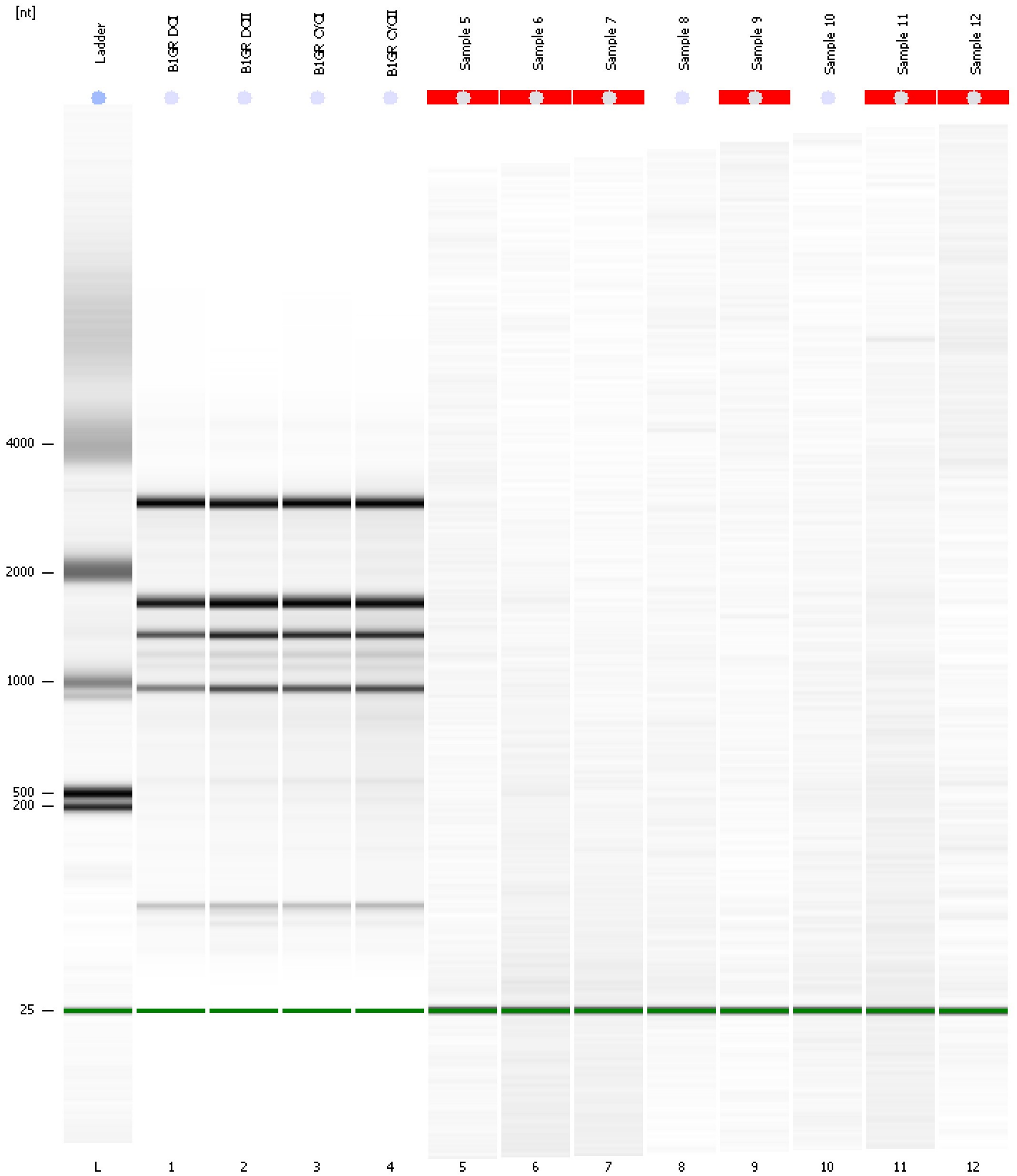
Overall Results for sample 12 : Sample 12

RNA Area:	3.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
Modified: 6/14/2016 2:56:14 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad

Created: 6/14/2016 2:33:08 PM
 Modified: 6/14/2016 2:56:14 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		6/14/2016 2:56:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-06-14\2016-06-14_005.xad)		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/14/2016 2:33:13 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1