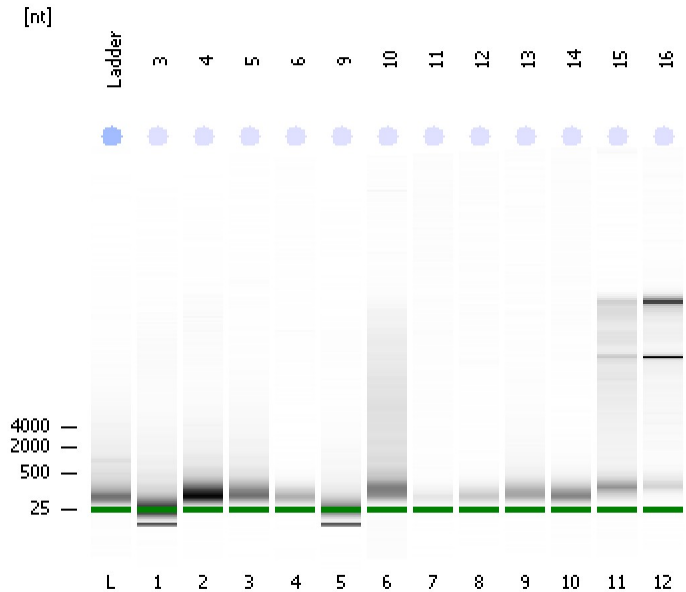


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electrophoresis File Run Summary



Instrument Information:

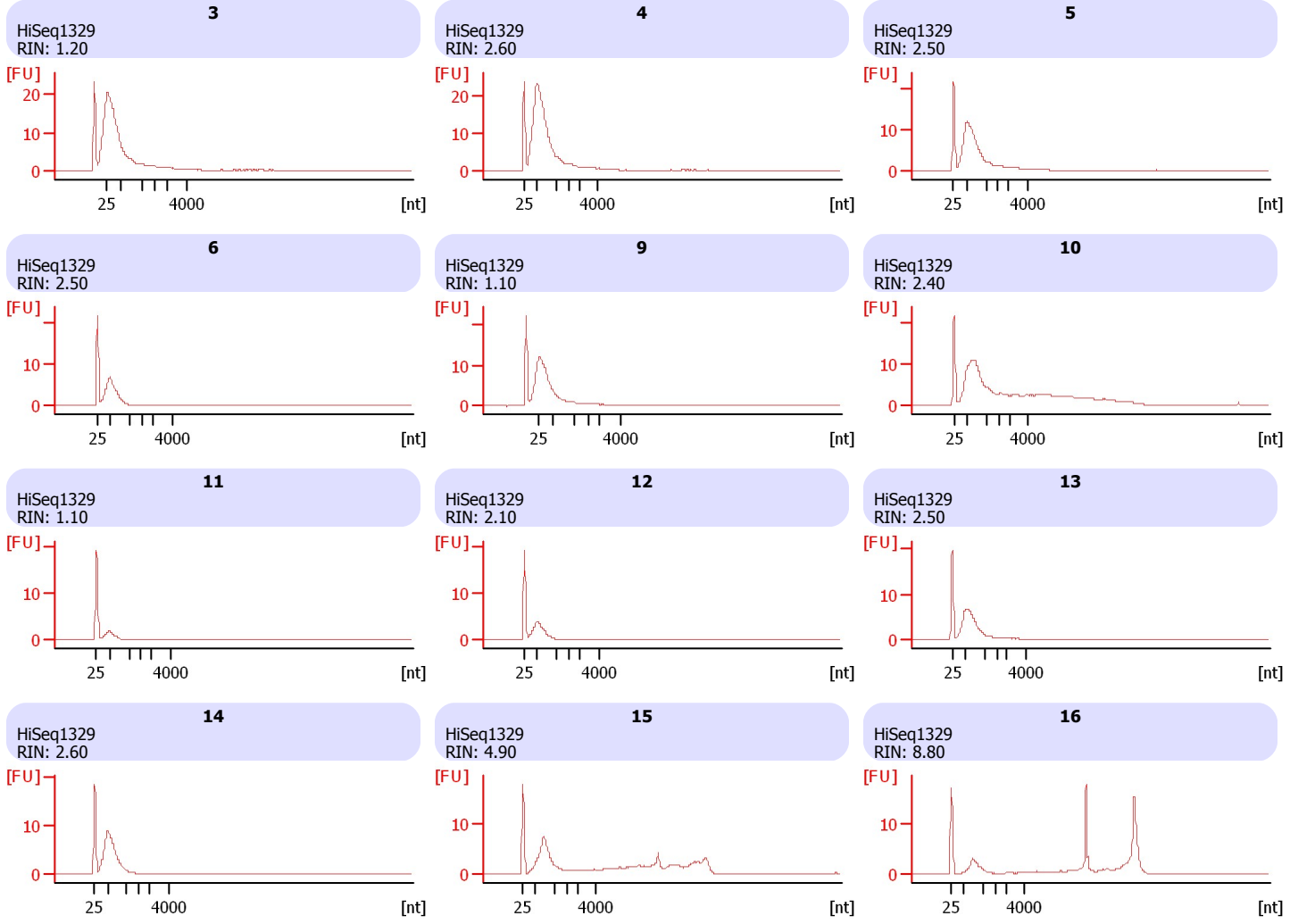
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
 Modified: 4/23/2018 9:51:40 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
3	HiSeq1329	✓	RIN: 1.20	
4	HiSeq1329	✓	RIN: 2.60	
5	HiSeq1329	✓	RIN: 2.50	
6	HiSeq1329	✓	RIN: 2.50	
9	HiSeq1329	✓	RIN: 1.10	
10	HiSeq1329	✓	RIN: 2.40	
11	HiSeq1329	✓	RIN: 1.10	
12	HiSeq1329	✓	RIN: 2.10	
13	HiSeq1329	✓	RIN: 2.50	
14	HiSeq1329	✓	RIN: 2.60	
15	HiSeq1329	✓	RIN: 4.90	
16	HiSeq1329	✓	RIN: 8.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 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

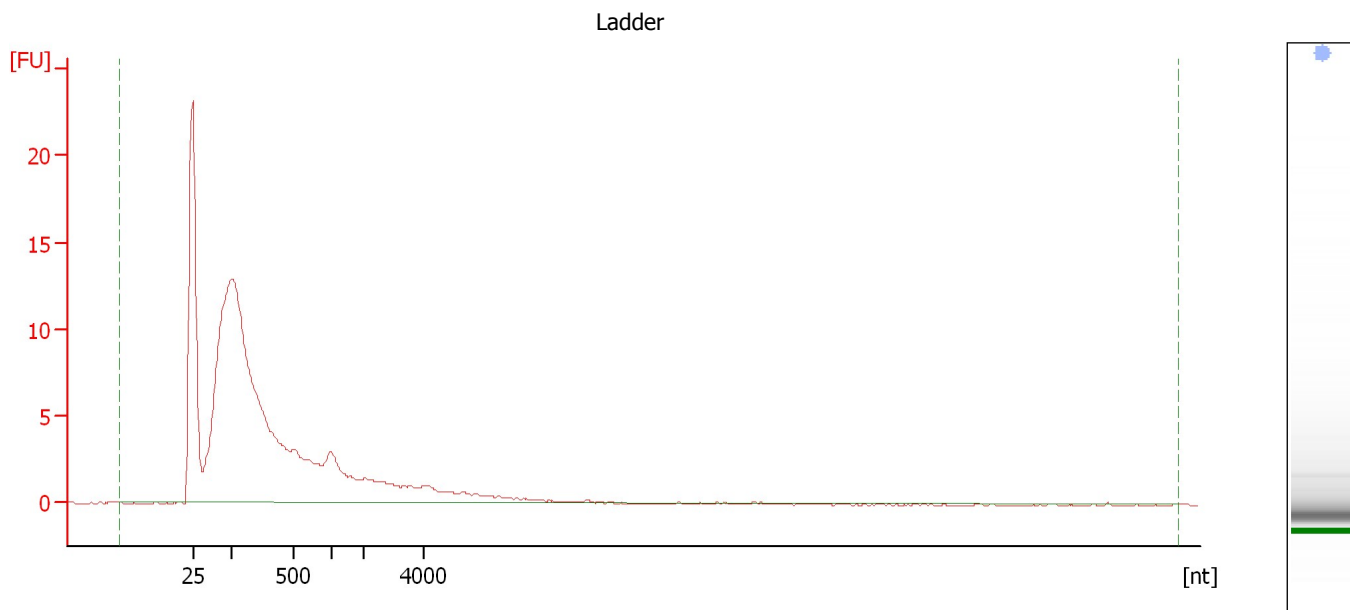
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary



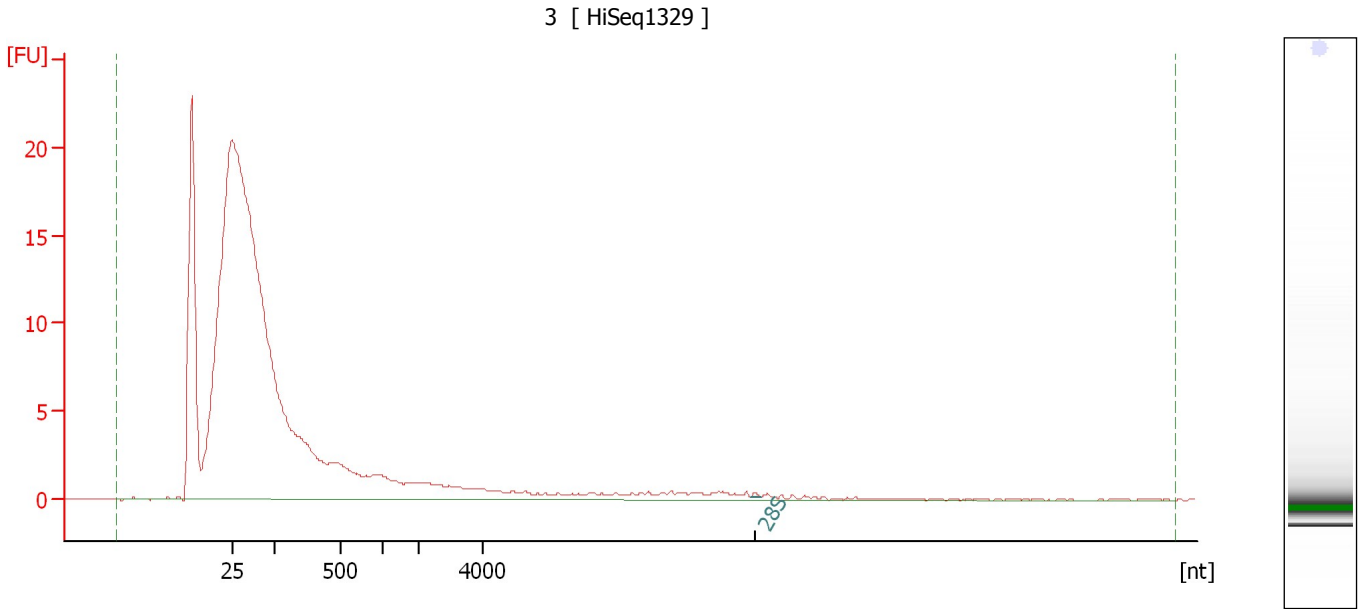
Overall Results for Ladder

RNA Area:	155.9	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\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 3

RNA Area:	74.8	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	72 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

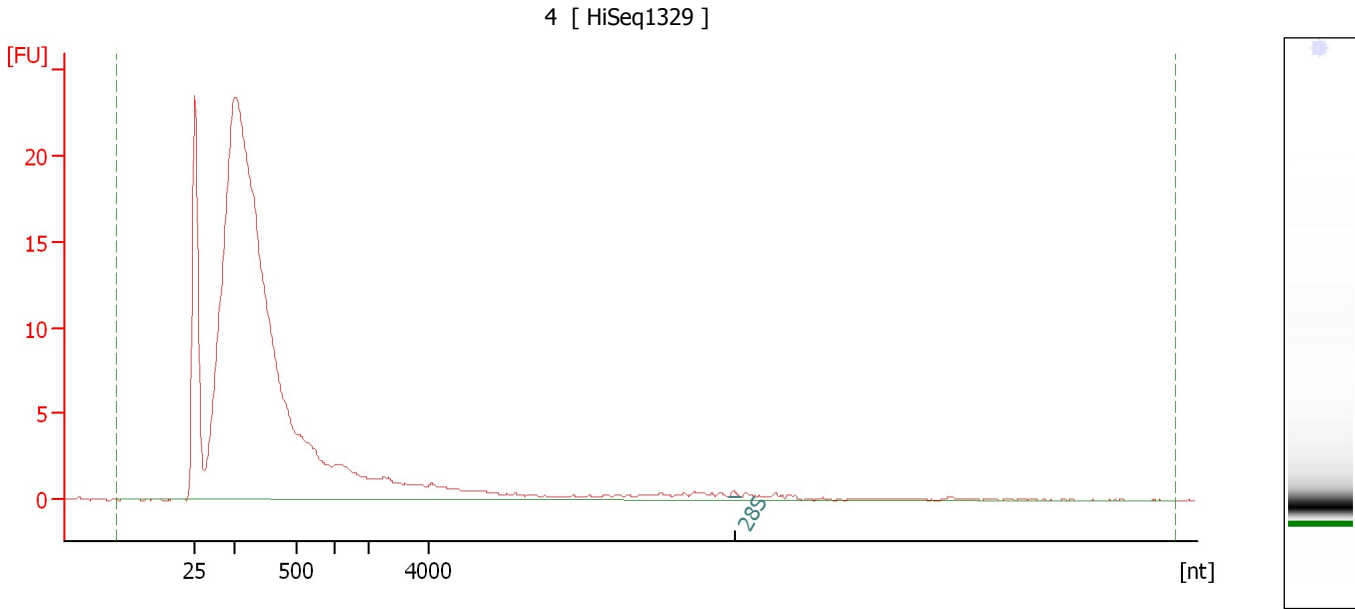
Fragment table for sample 1 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	12,365	12,666	0.1	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 4

RNA Area:	257.1	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	247 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

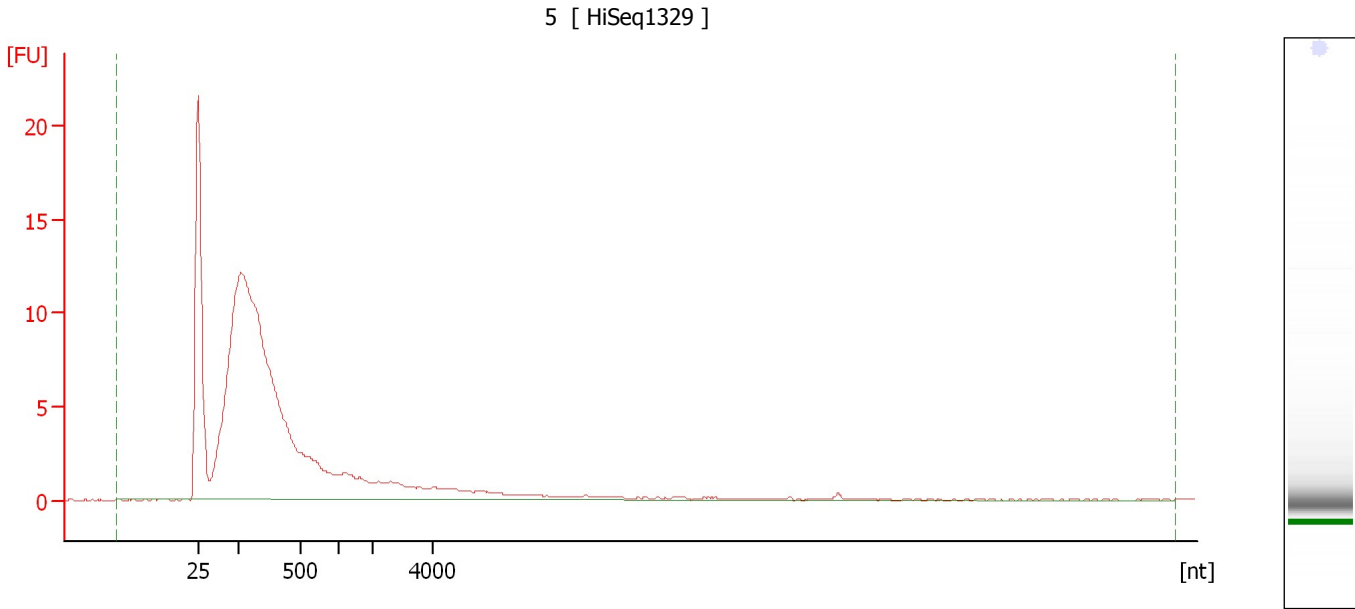
Fragment table for sample 2 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	14,094	14,526	0.2	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 5

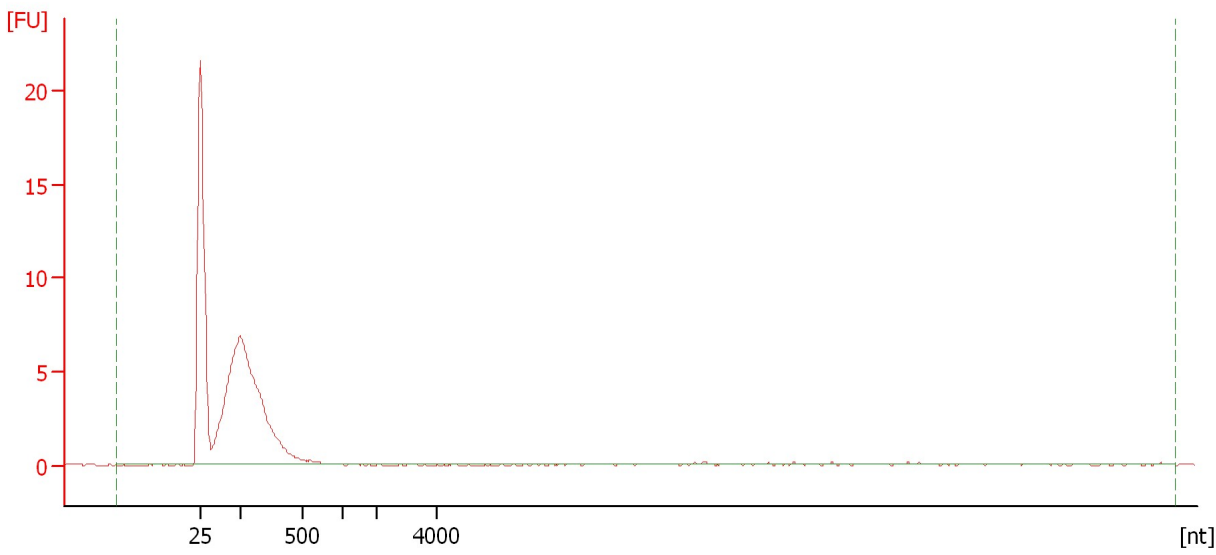
RNA Area:	145.2	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	140 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...

6 [HiSeq1329]



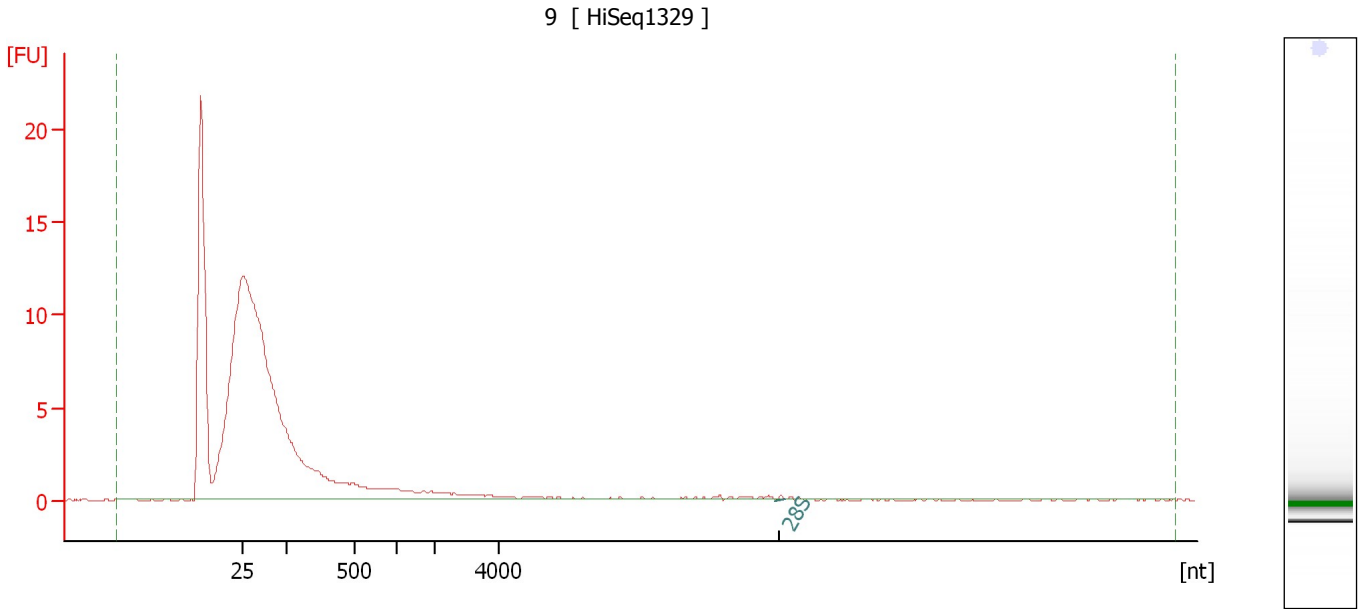
Overall Results for sample 4 : 6

RNA Area:	51.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9

RNA Area:	53.0	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

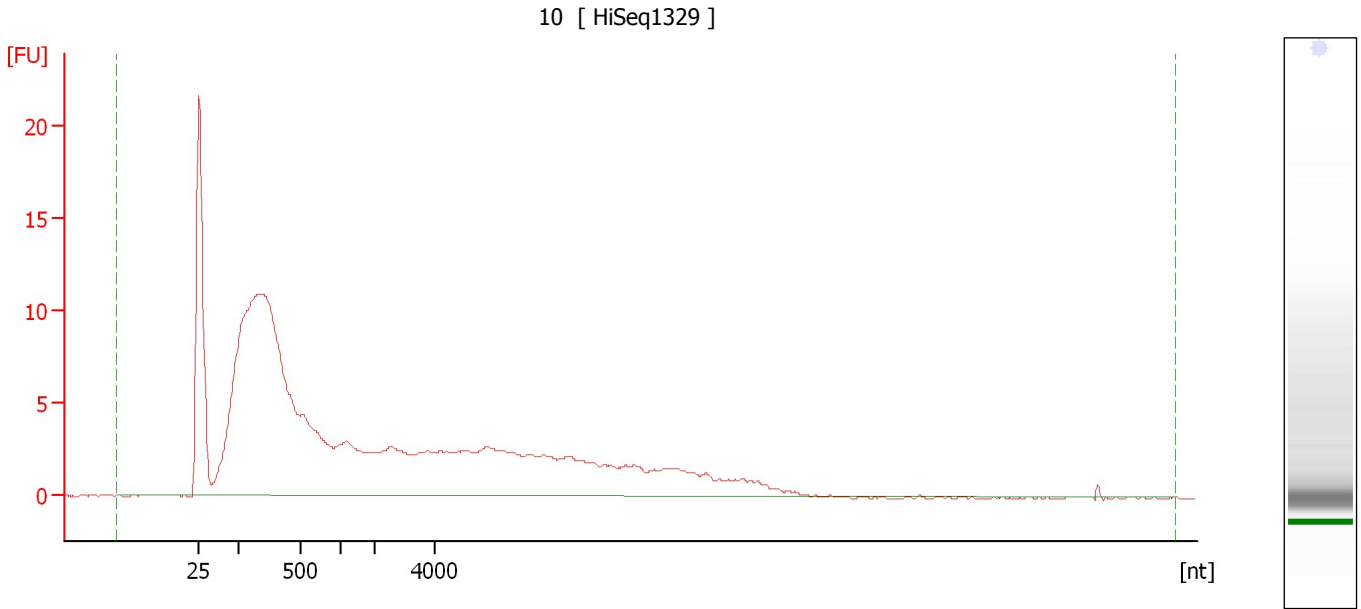
Fragment table for sample 5 : 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	12,472	12,799	0.1	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 10

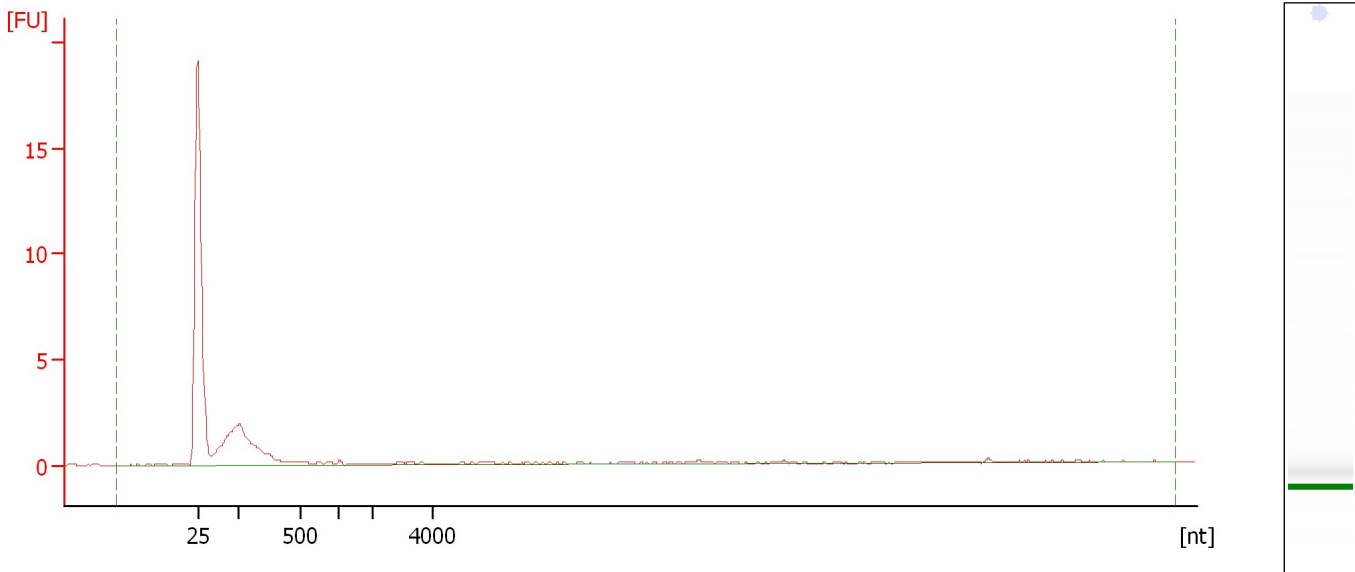
RNA Area:	234.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	226 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...

11 [HiSeq1329]



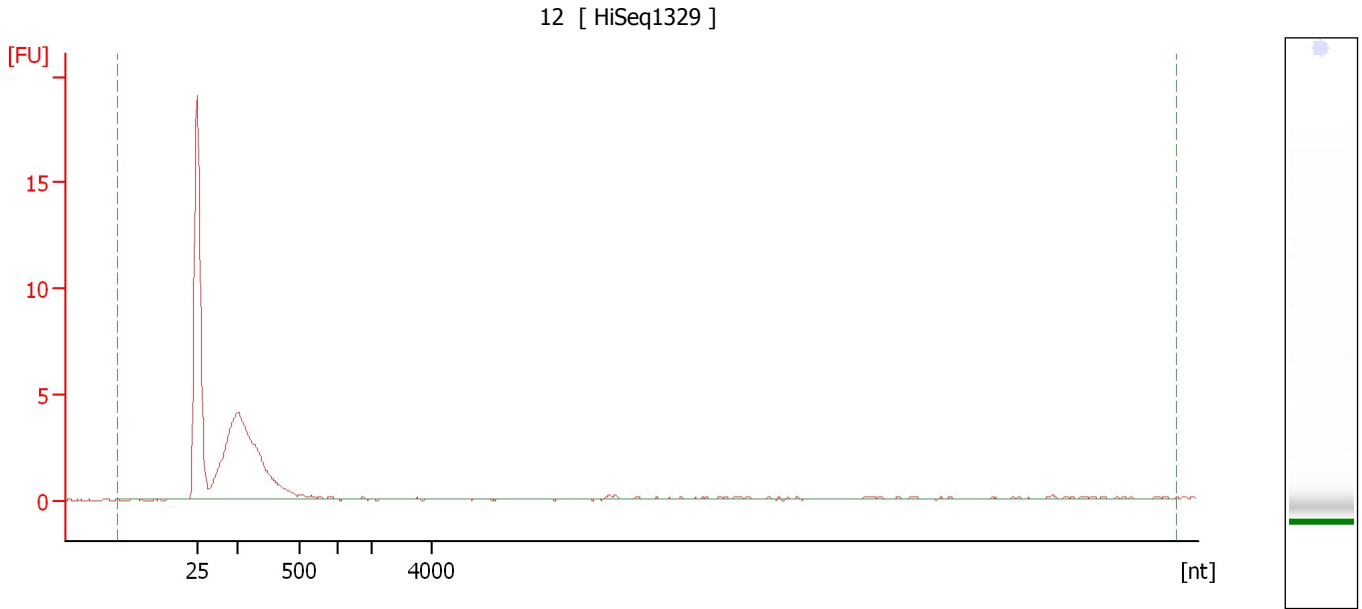
Overall Results for sample 7 : 11

RNA Area:	17.5	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	17 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 12

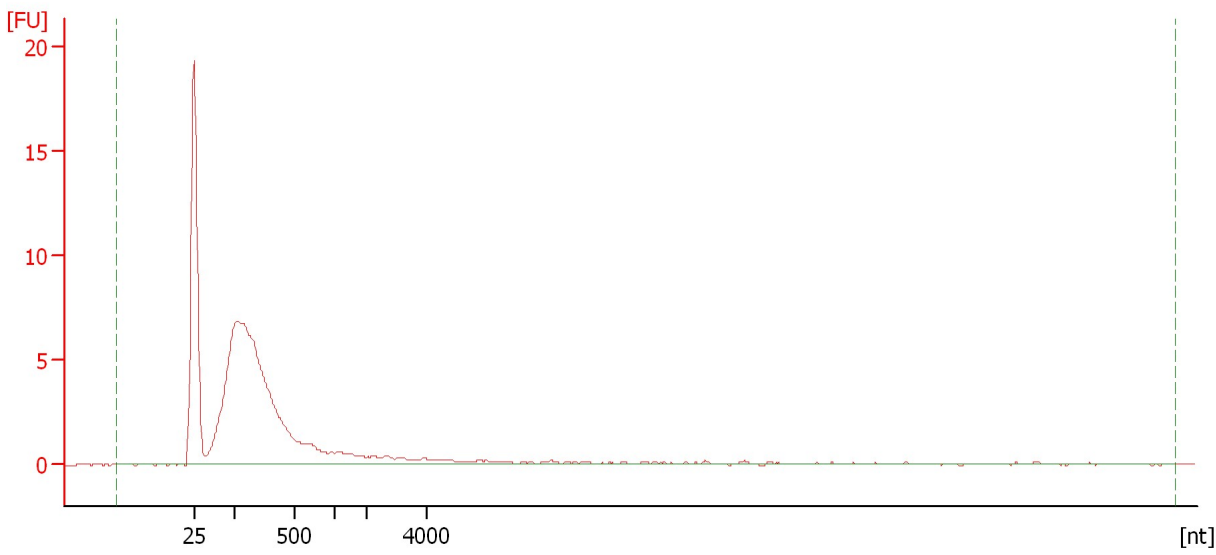
RNA Area:	32.1	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...

13 [HiSeq1329]



Overall Results for sample 9 : 13

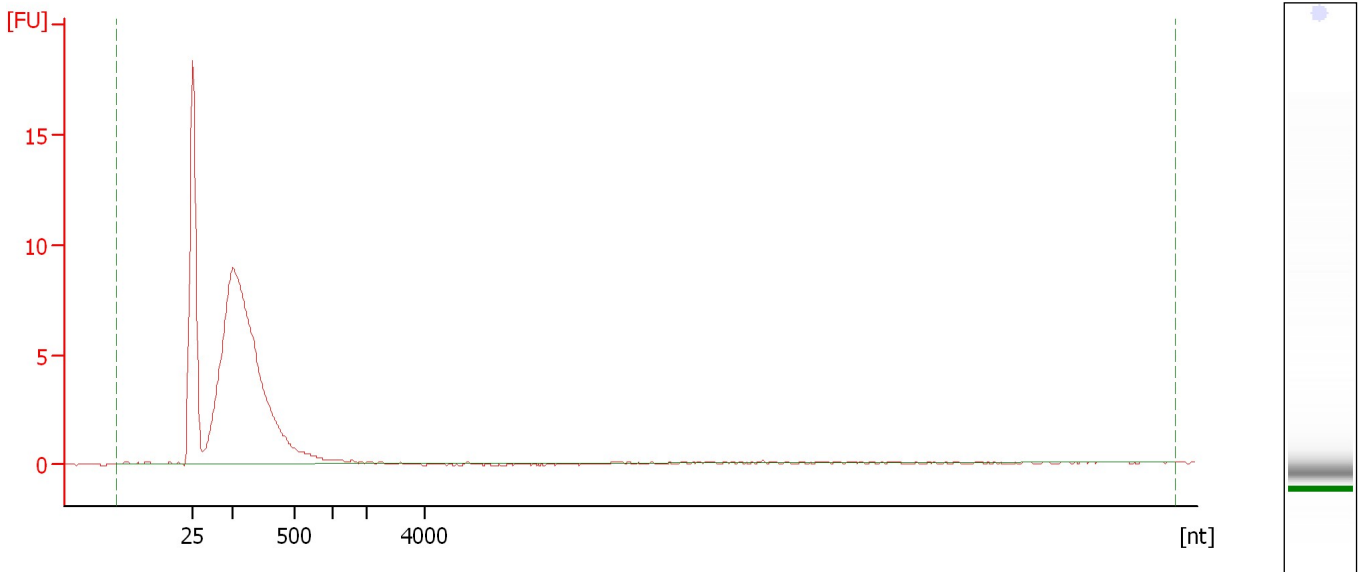
RNA Area:	72.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...

14 [HiSeq1329]



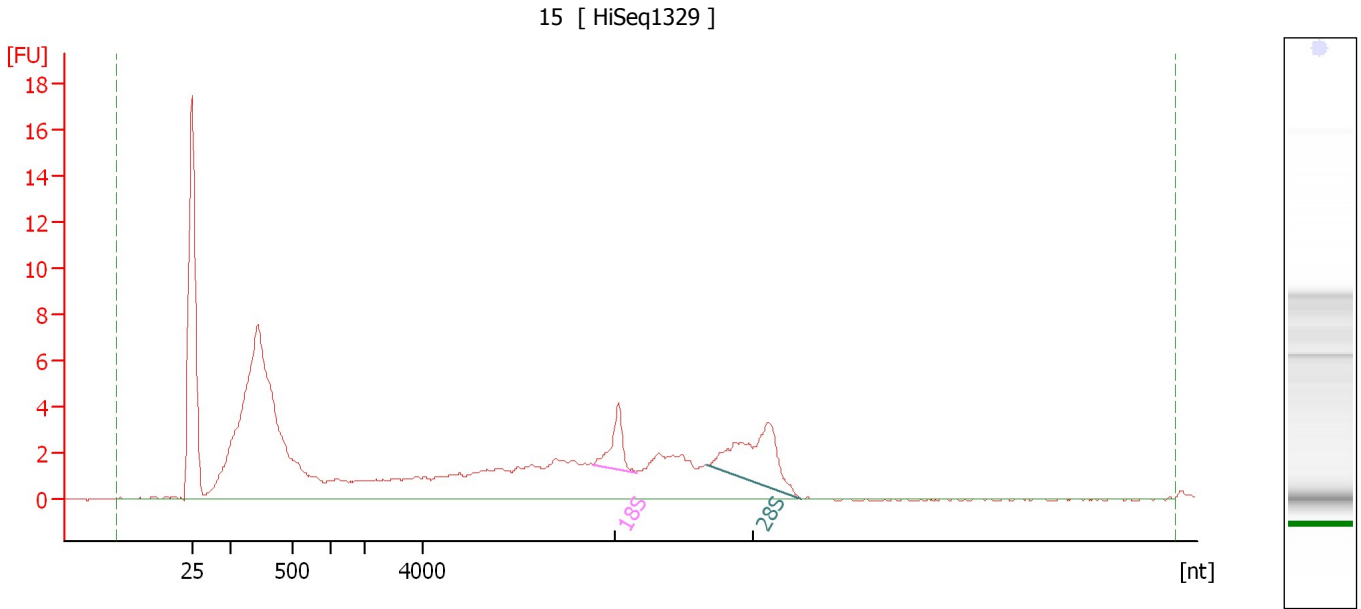
Overall Results for sample 10 : 14

RNA Area:	73.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	71 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 15

RNA Area:	135.9	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	131 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 4.90

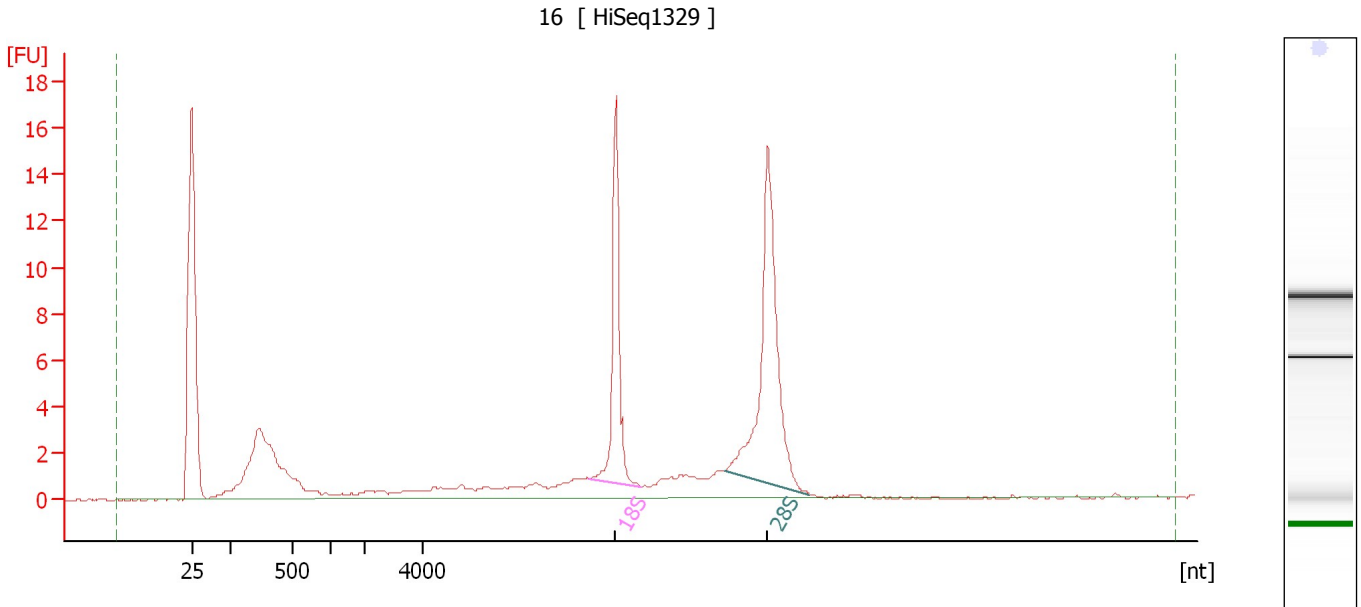
Fragment table for sample 11 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	9,758	11,206	3.7	2.7
28S	13,596	16,782	10.2	7.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 16

RNA Area:	90.9	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.80

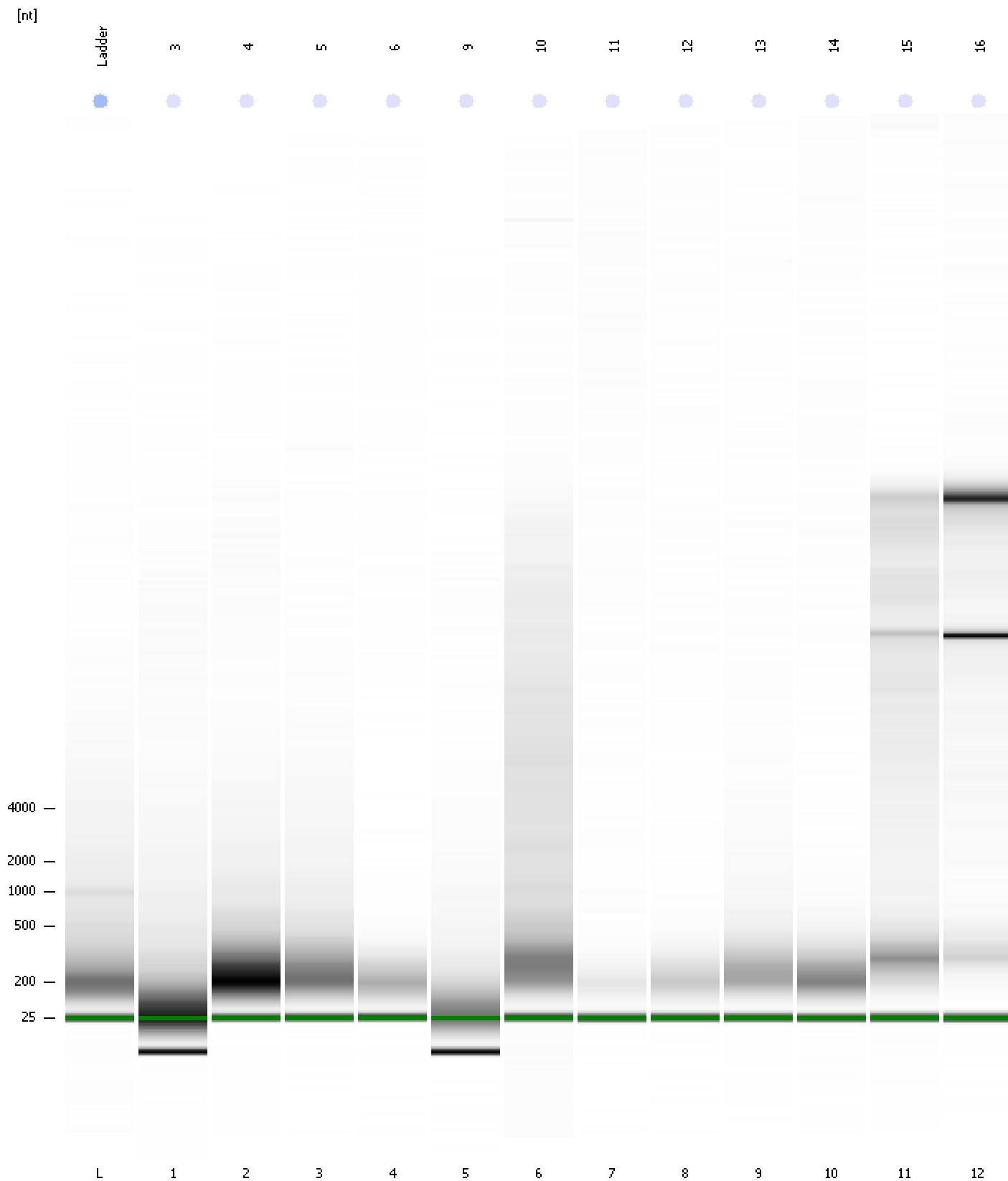
Fragment table for sample 12 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	9,613	11,387	13.0	14.3
28S	14,212	17,072	24.5	26.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-23\2018-04-23_002.xad

Created: 4/23/2018 9:27:53 AM
Modified: 4/23/2018 9:51:40 AM

Curves

Standard Curve

