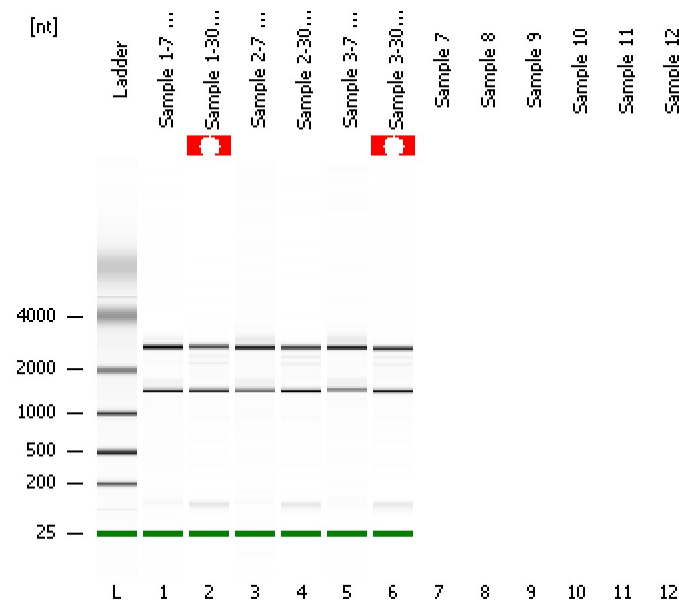


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72902741 Firmware: C.01.069
Serial#: DE72902741 Type: G2939A

Assay Information:

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

Assay Class: Prokaryote Total RNA Nano

Version: 2.5

Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)

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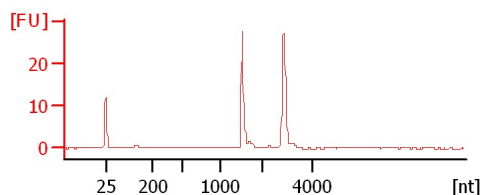
Chip Information:

Chip Lot #:

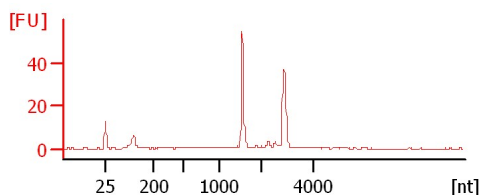
Reagent Kit Lot #:

Chip Comments:

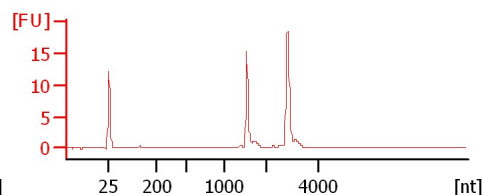
Sample 1-7 hourDNAsed_TotalRNA_undiluted



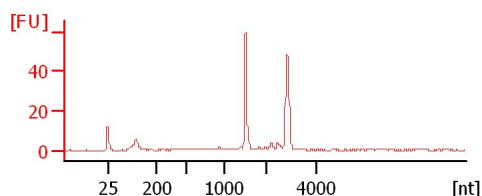
Sample 1-30 hourDNAsed_TotalRNA_undiluted



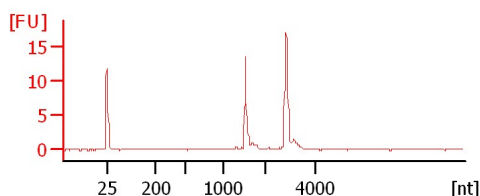
Sample 2-7 hourDNAsed_TotalRNA_undiluted



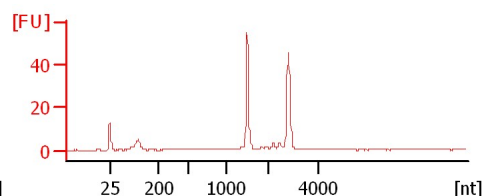
Sample 2-30 hourDNAsed_TotalRNA_undiluted



Sample 3-7 hourDNAsed_TotalRNA_undiluted



Sample 3-30 hourDNAsed_TotalRNA_undiluted



Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...roaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1-7		✓		
hourDNAse_TotalRNA_undiluted				
Sample 1-30		✓		
hourDNAse_TotalRNA_undiluted				
Sample 2-7		✓		
hourDNAse_TotalRNA_undiluted				
Sample 2-30		✓		
hourDNAse_TotalRNA_undiluted				
Sample 3-7		✓		
hourDNAse_TotalRNA_undiluted				
Sample 3-30		✓		
hourDNAse_TotalRNA_undiluted				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓		

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...roaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 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

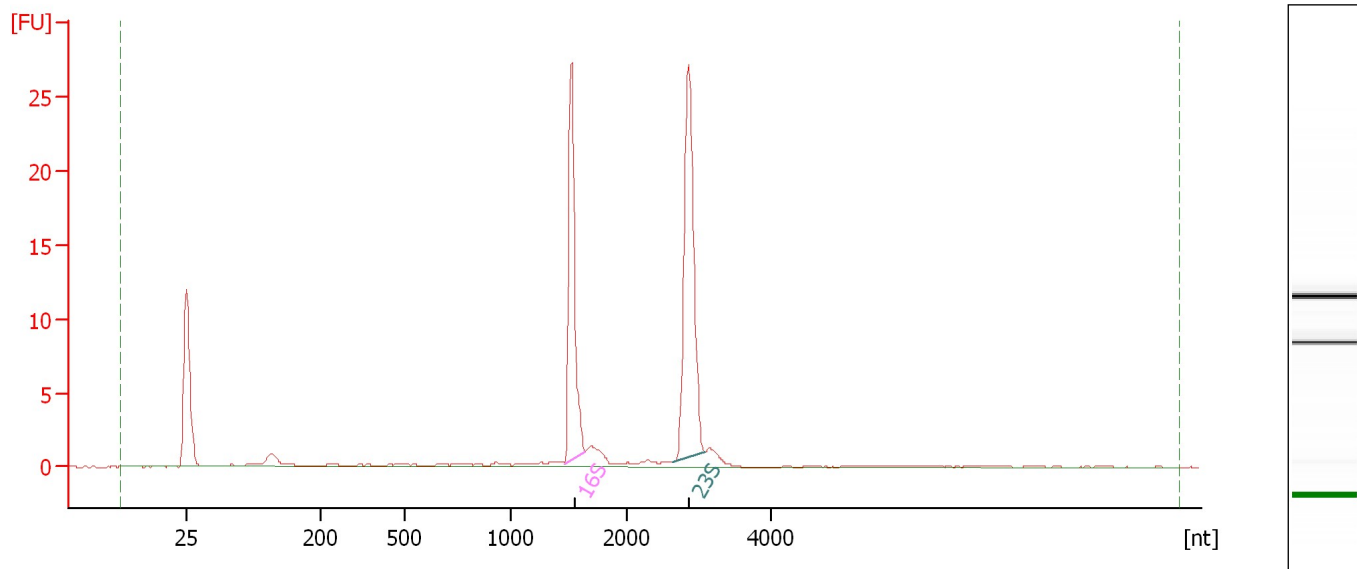
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary

Sample 1-7 hourDNAse_TotalRNA_undiluted



Overall Results for sample 1 : Sample 1-7 hourDNAse TotalRNA undiluted

RNA Area: 73.1 rRNA Ratio [23s / 16s]: 1.5
RNA Concentration: 48 ng/μl RNA Integrity Number (RIN): 9.9 (B.02.08)

Fragment table for sample 1 : Sample 1-7 hourDNAse TotalRNA undiluted

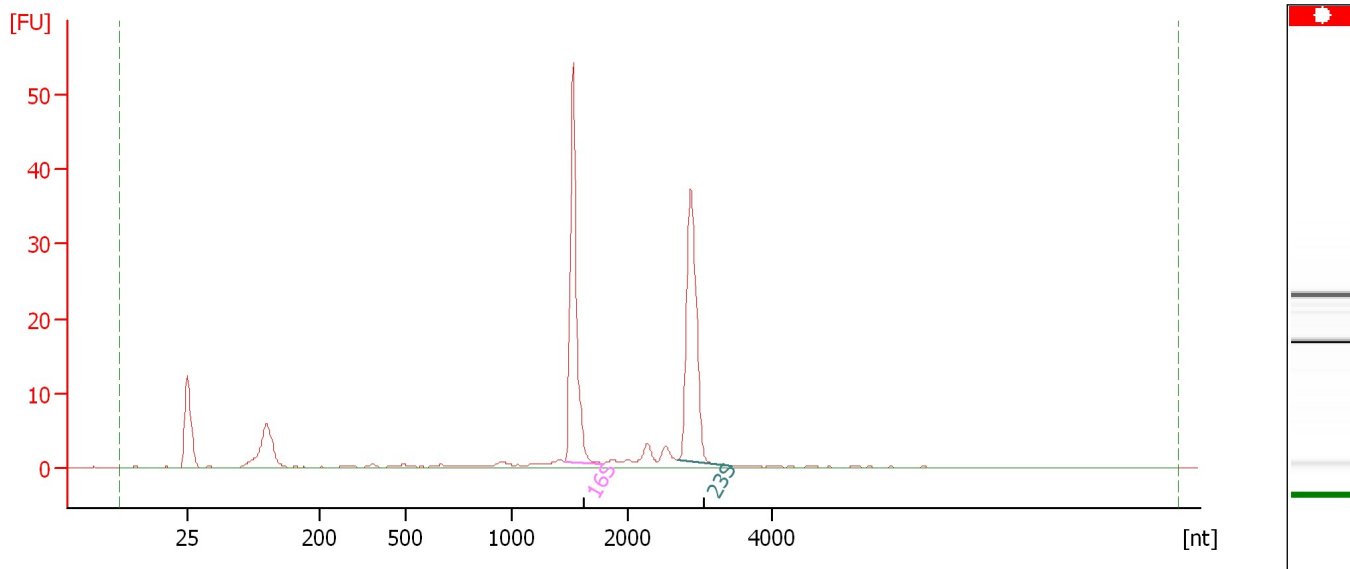
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,471	1,645	20.4	27.9
23S	2,641	3,072	30.8	42.1

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary Continued ...

Sample 1-30 hourDNAsed_TotalRNA_undiluted

**Overall Results for sample 2 : Sample 1-30 hourDNAsed_TotalRNA_undiluted**

RNA Area: 128.7 rRNA Ratio [23s / 16s]: 1.0
RNA Concentration: 85 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 2 : Sample 1-30 hourDNAsed_TotalRNA_undiluted

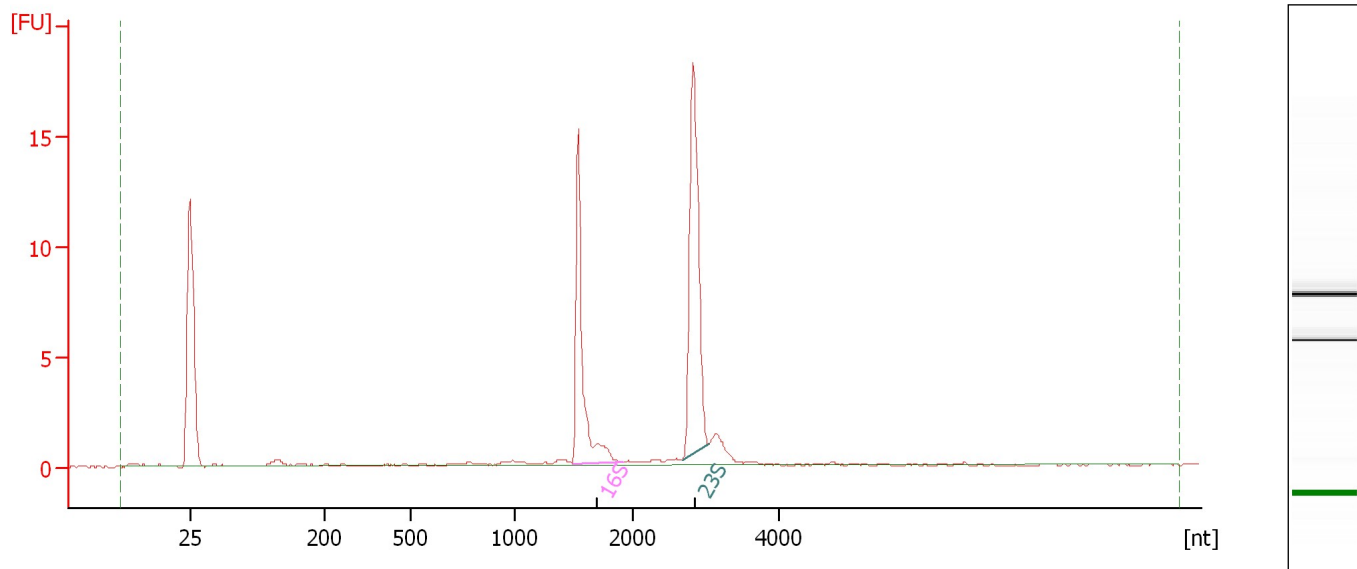
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,464	1,774	42.9	33.4
23S	2,685	3,427	42.8	33.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary Continued ...

Sample 2-7 hourDNAse_TotalRNA_undiluted

**Overall Results for sample 3 : Sample 2-7 hourDNAse TotalRNA undiluted**

RNA Area: 43.3 rRNA Ratio [23s / 16s]: 1.4
RNA Concentration: 29 ng/μl RNA Integrity Number (RIN): 10 (B.02.08)

Fragment table for sample 3 : Sample 2-7 hourDNAse TotalRNA undiluted

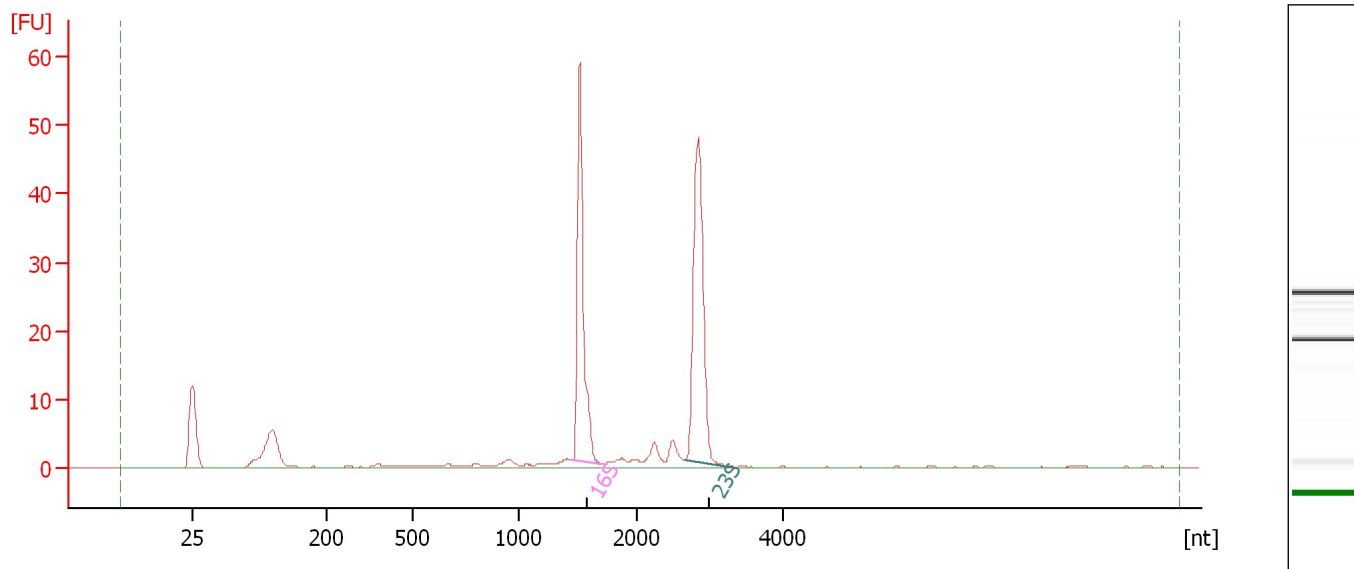
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,477	1,904	13.3	30.7
23S	2,670	3,039	18.1	41.8

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary Continued ...

Sample 2-30 hourDNAse_TotalRNA_undiluted

**Overall Results for sample 4 : Sample 2-30 hourDNAse_TotalRNA_undiluted**

RNA Area: 152.2 rRNA Ratio [23s / 16s]: 1.1
RNA Concentration: 101 ng/μl RNA Integrity Number (RIN): 9.8 (B.02.08)

Fragment table for sample 4 : Sample 2-30 hourDNAse_TotalRNA_undiluted

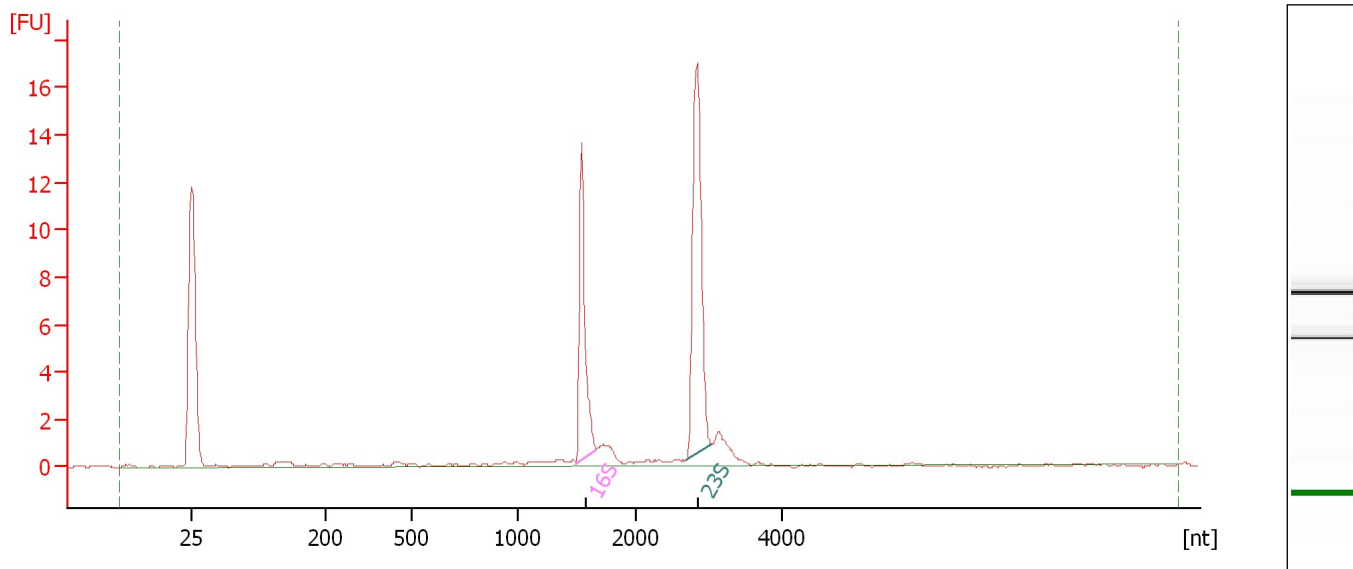
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,454	1,689	47.3	31.1
23S	2,655	3,331	52.9	34.7

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary Continued ...

Sample 3-7 hourDNAse_TotalRNA_undiluted

**Overall Results for sample 5 : Sample 3-7 hourDNAse TotalRNA undiluted**

RNA Area: 40.7 rRNA Ratio [23s / 16s]: 1.6
RNA Concentration: 27 ng/μl RNA Integrity Number (RIN): 9.9 (B.02.08)

Fragment table for sample 5 : Sample 3-7 hourDNAse TotalRNA undiluted

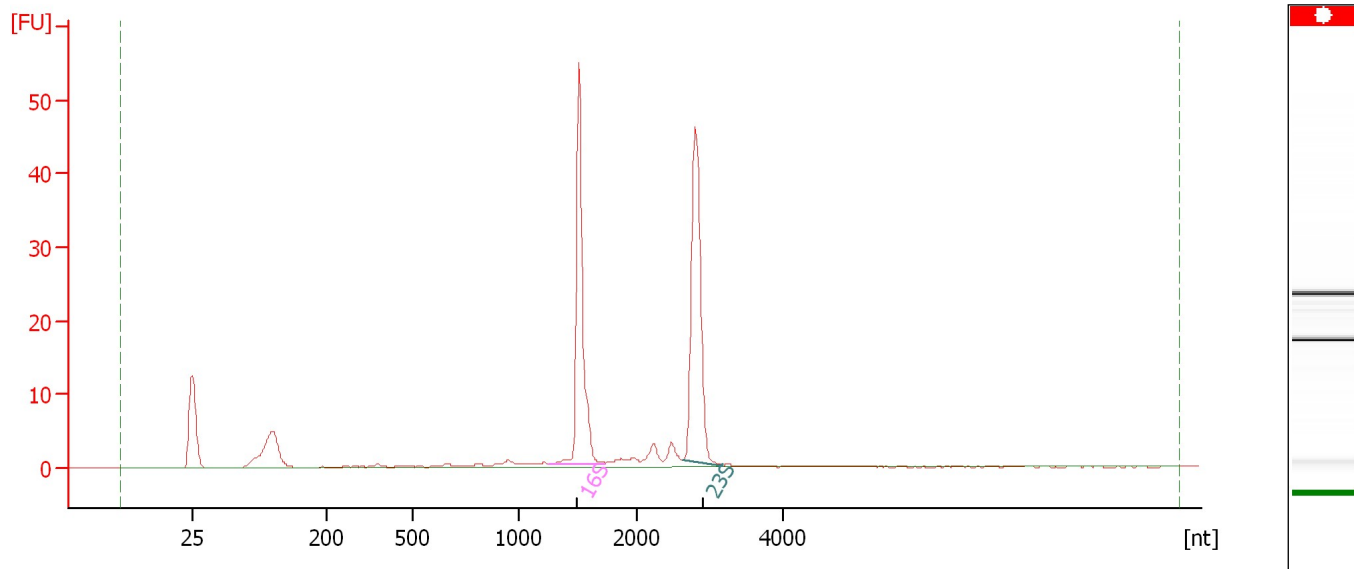
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,490	1,662	9.9	24.2
23S	2,670	3,037	16.1	39.6

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Electropherogram Summary Continued ...

Sample 3-30 hourDNAsed_TotalRNA_undiluted

**Overall Results for sample 6 : Sample 3-30 hourDNAsed_TotalRNA_undiluted**

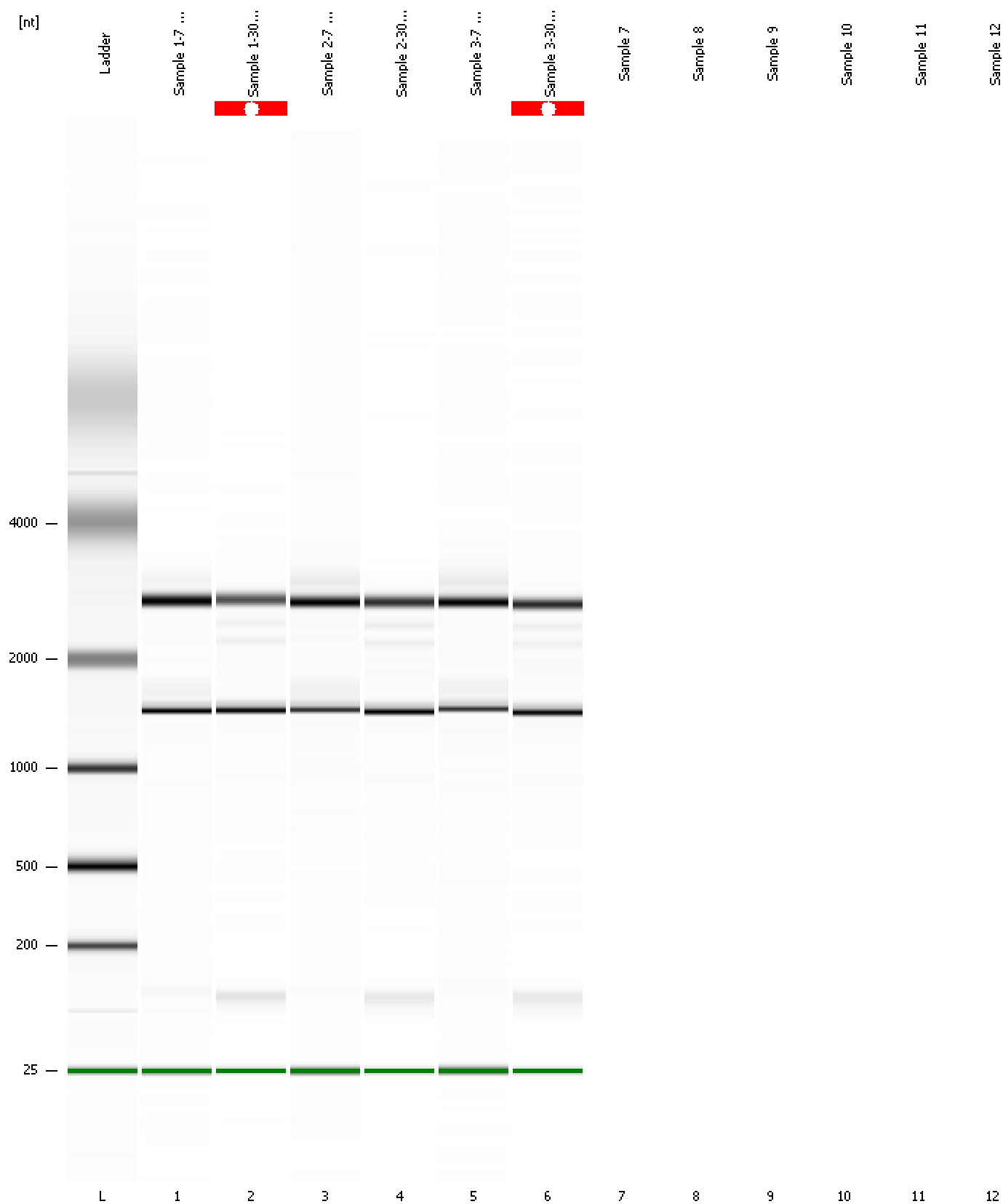
RNA Area: 132.8 rRNA Ratio [23s / 16s]: 1.0
RNA Concentration: 88 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 6 : Sample 3-30 hourDNAsed_TotalRNA_undiluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,246	1,725	46.3	34.8
23S	2,626	3,184	47.7	35.9

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Gel Image

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...roaryote Total RNA Nano_DE72902741_2016-07-20_17-04-51.xad

Created: 7/20/2016 5:04:51 PM
Modified: 7/20/2016 5:20:31 PM

Invalid Samples

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.