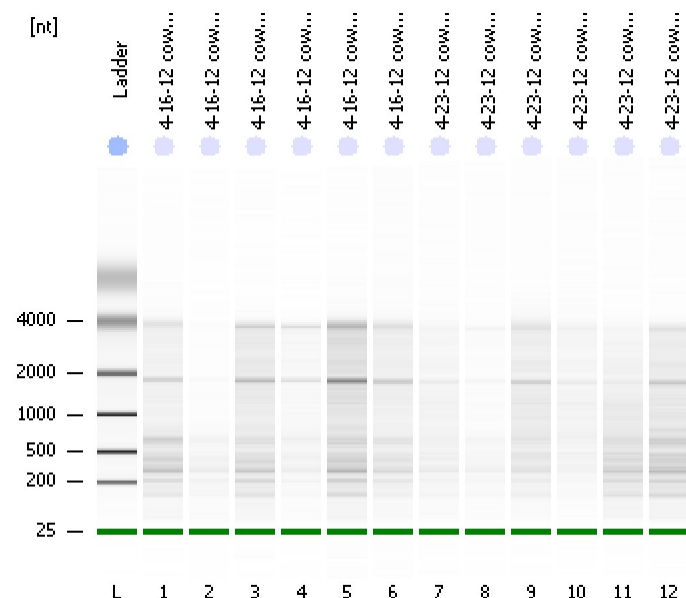


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Electrophoresis File Run Summary



Instrument 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:

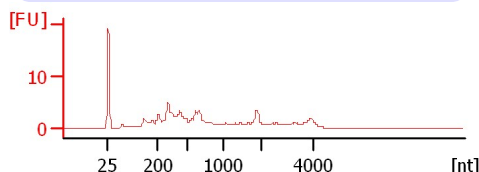
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

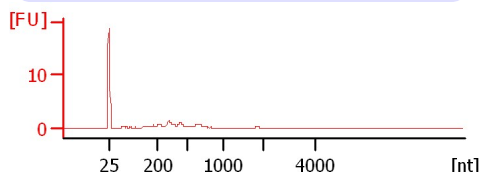
4-16-12 cow 4678

RIN: 4.60



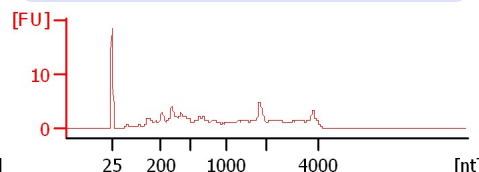
4-16-12 cow 4650

RIN: 1



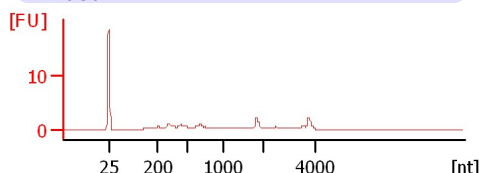
4-16-12 cow 4661

RIN: 5.60



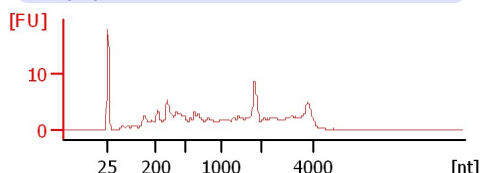
4-16-12 cow 4665

RIN: 6.90



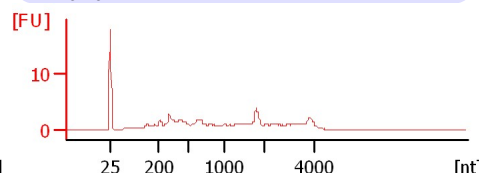
4-16-12 cow 4659

RIN: 6.20



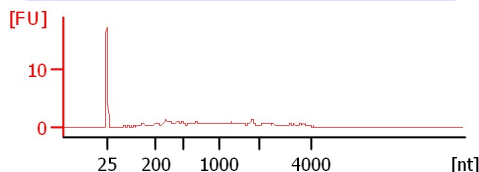
4-16-12 cow 4652

RIN: 6.10



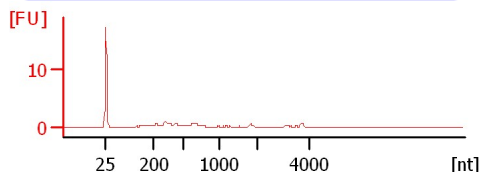
4-23-12 cow 4678

RIN: 4.50



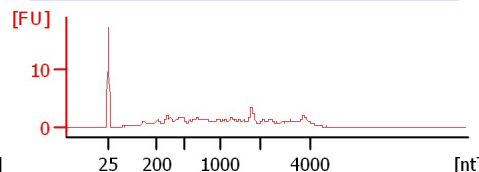
4-23-12 cow 4650

RIN: 1



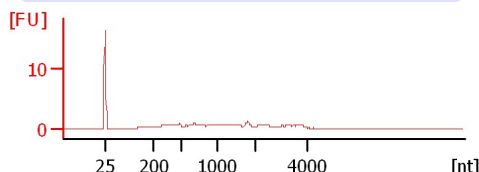
4-23-12 cow 4661

RIN: 5.60



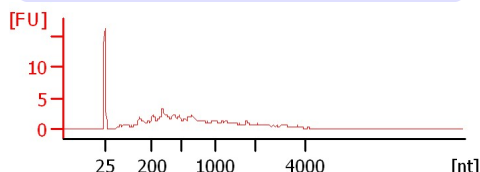
4-23-12 cow 4665

RIN: 5



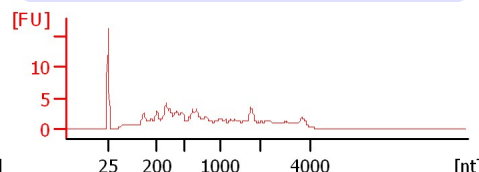
4-23-12 cow 4659

RIN: 1.90



4-23-12 cow 4652

RIN: 4.50



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4-16-12 cow 4678		✓	RIN: 4.60	
4-16-12 cow 4650		✓	RIN:1	
4-16-12 cow 4661		✓	RIN: 5.60	
4-16-12 cow 4665		✓	RIN: 6.90	
4-16-12 cow 4659		✓	RIN: 6.20	
4-16-12 cow 4652		✓	RIN: 6.10	
4-23-12 cow 4678		✓	RIN: 4.50	
4-23-12 cow 4650		✓	RIN:1	
4-23-12 cow 4661		✓	RIN: 5.60	
4-23-12 cow 4665		✓	RIN:5	
4-23-12 cow 4659		✓	RIN: 1.90	
4-23-12 cow 4652		✓	RIN: 4.50	
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_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 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

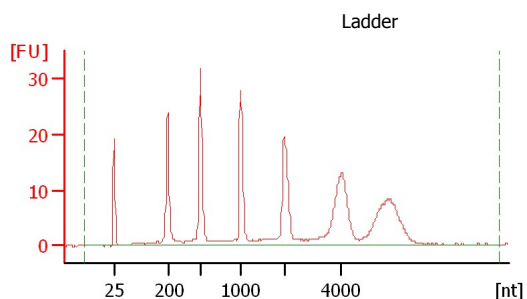
Ladder

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_2012-05-21_15-00-01.xad

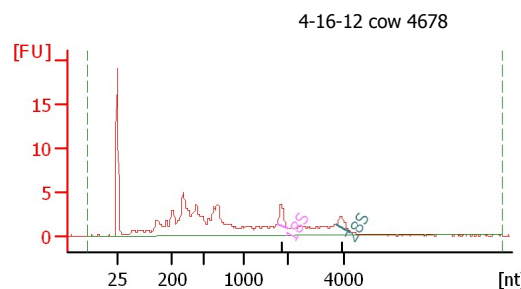
Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 287.0
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

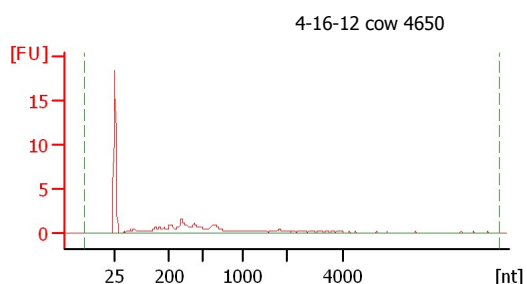


Overall Results for sample 1 : 4-16-12 cow 4678

RNA Area: 106.6
RNA Concentration: 56 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 4.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.60

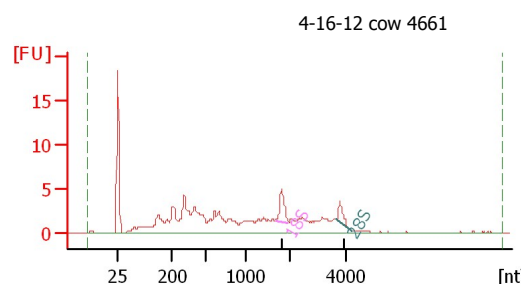
Fragment table for sample 1 : 4-16-12 cow 4678

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,761	2,014	3.5	3.3
28S	3,691	4,220	2.2	2.1



Overall Results for sample 2 : 4-16-12 cow 4650

RNA Area: 25.5
RNA Concentration: 13 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1



Overall Results for sample 3 : 4-16-12 cow 4661

RNA Area: 111.7
RNA Concentration: 58 ng/μl
rRNA Ratio [28s / 18s]: 0.5
RNA Integrity Number (RIN): 5.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.60

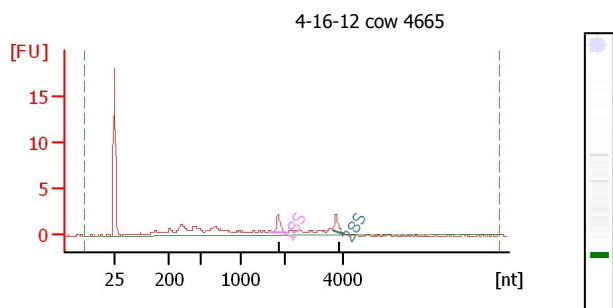
Fragment table for sample 3 : 4-16-12 cow 4661

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	1,992	5.2	4.6
28S	3,643	4,199	2.8	2.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
 Modified: 5/21/2012 3:23:58 PM

Electropherogram Summary Continued ...

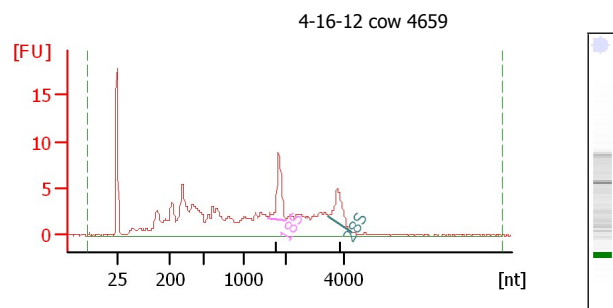


Overall Results for sample 4 : 4-16-12 cow 4665

RNA Area: 38.3
 RNA Concentration: 20 ng/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 6.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.90

Fragment table for sample 4 : 4-16-12 cow 4665

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,060	2.4	6.3
28S	3,645	4,085	2.0	5.2

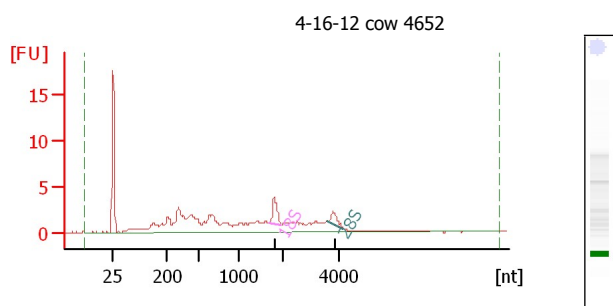


Overall Results for sample 5 : 4-16-12 cow 4659

RNA Area: 162.3
 RNA Concentration: 85 ng/μl
 rRNA Ratio [28s / 18s]: 0.7
 RNA Integrity Number (RIN): 6.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.20

Fragment table for sample 5 : 4-16-12 cow 4659

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,970	10.5	6.5
28S	3,457	4,282	7.6	4.7

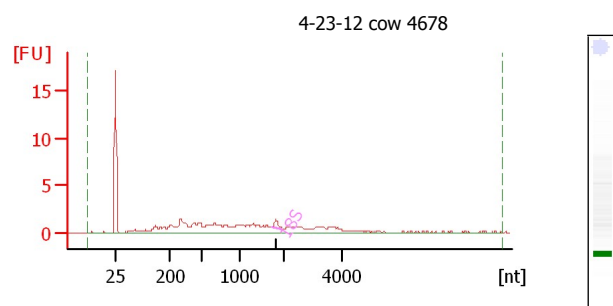


Overall Results for sample 6 : 4-16-12 cow 4652

RNA Area: 74.5
 RNA Concentration: 39 ng/μl
 rRNA Ratio [28s / 18s]: 0.6
 RNA Integrity Number (RIN): 6.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

Fragment table for sample 6 : 4-16-12 cow 4652

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	1,959	4.1	5.5
28S	3,576	4,138	2.3	3.1



Overall Results for sample 7 : 4-23-12 cow 4678

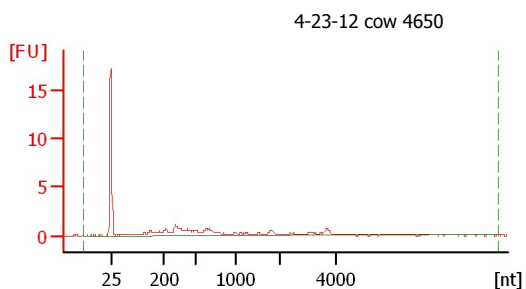
RNA Area: 49.2
 RNA Concentration: 26 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 4.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.50

Fragment table for sample 7 : 4-23-12 cow 4678

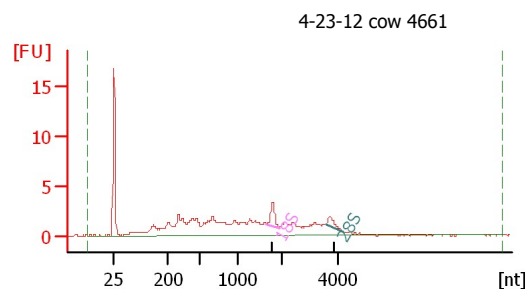
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	1,937	1.0	2.0

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 4-23-12 cow 4650**

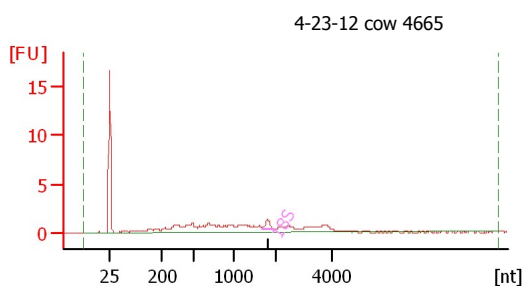
RNA Area: 23.0
RNA Concentration: 12 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:1

**Overall Results for sample 9 : 4-23-12 cow 4661**

RNA Area: 78.6
RNA Concentration: 41 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 5.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 5.60

Fragment table for sample 9 : 4-23-12 cow 4661

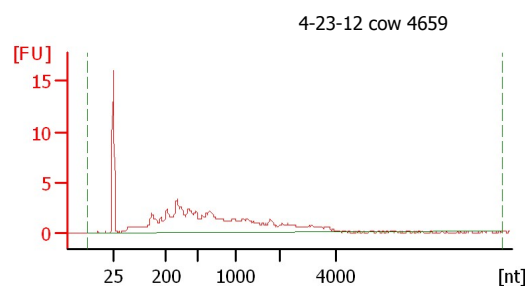
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	1,951	3.1	4.0
28S	3,587	4,200	1.9	2.4

**Overall Results for sample 10 : 4-23-12 cow 4665**

RNA Area: 41.5
RNA Concentration: 22 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:5

Fragment table for sample 10 : 4-23-12 cow 4665

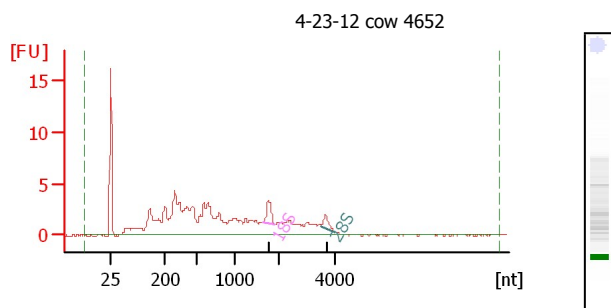
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	1,941	1.3	3.0

**Overall Results for sample 11 : 4-23-12 cow 4659**

RNA Area: 84.4
RNA Concentration: 44 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 4-23-12 cow 4652**

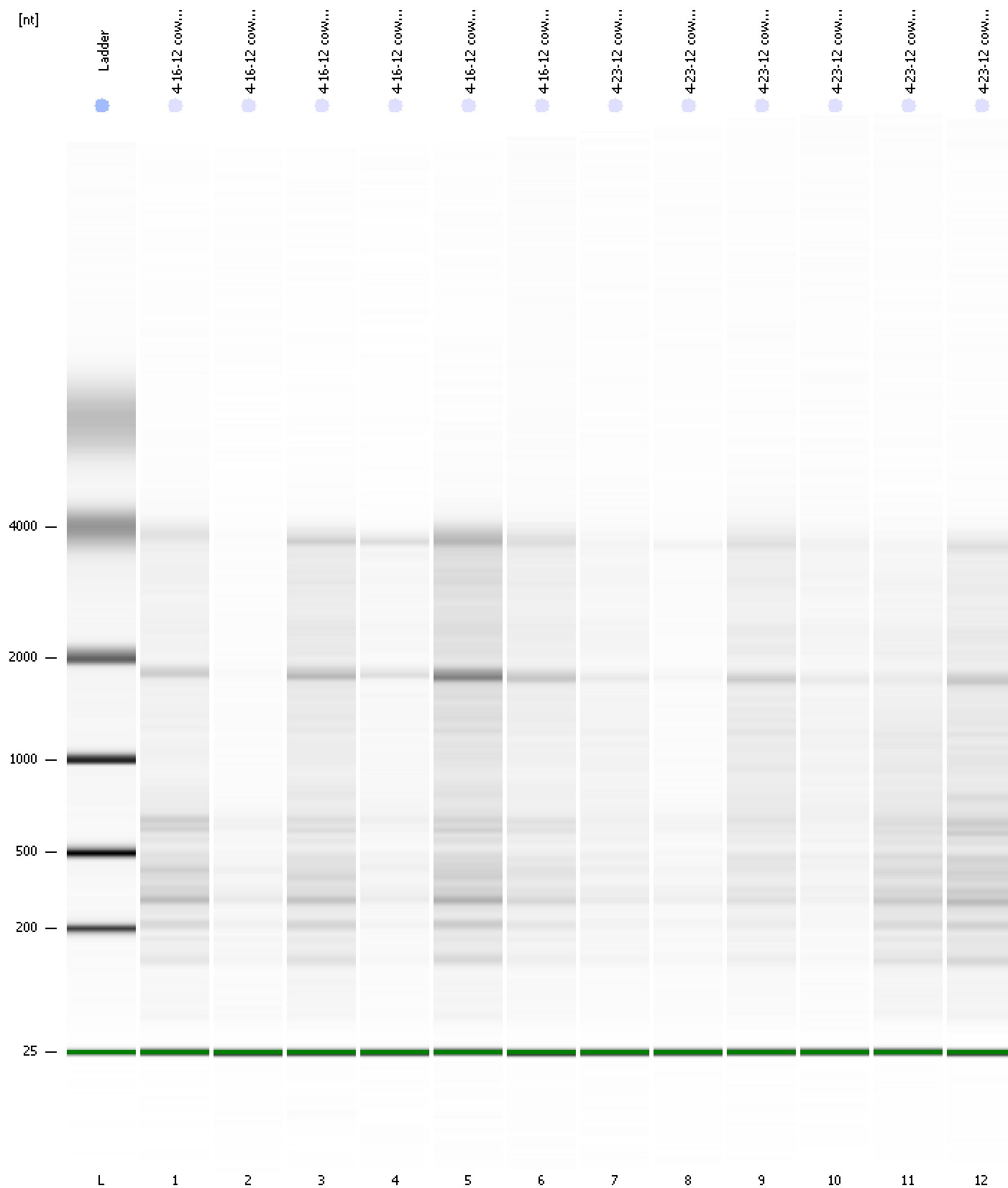
RNA Area: 112.5
RNA Concentration: 59 ng/μl
rRNA Ratio [28s / 18s]: 0.6
RNA Integrity Number (RIN): 4.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 4.50

Fragment table for sample 12 : 4-23-12 cow 4652

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	1,922	3.5	3.1
28S	3,512	4,021	1.9	1.7

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2012-05-21_15-00-01.xad

Created: 5/21/2012 3:00:00 PM
Modified: 5/21/2012 3:23:58 PM

Curves

Standard Curve

