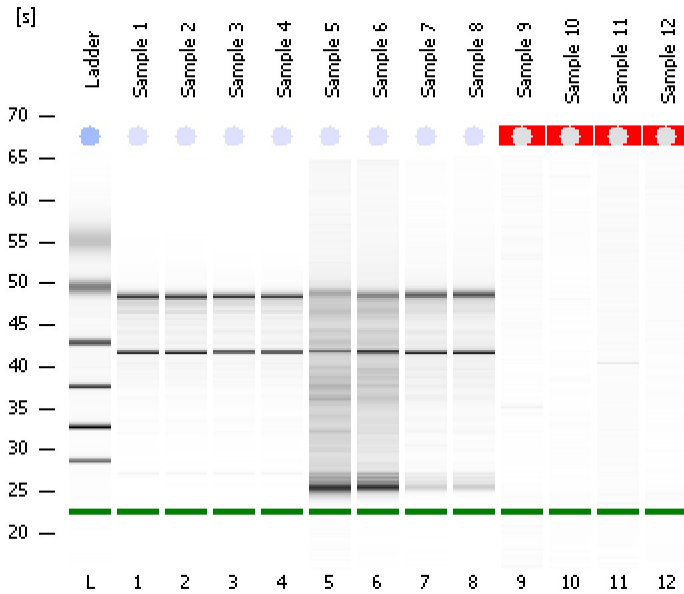


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electrophoresis File Run Summary



Instrument Information:

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

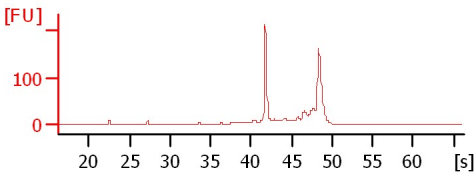
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

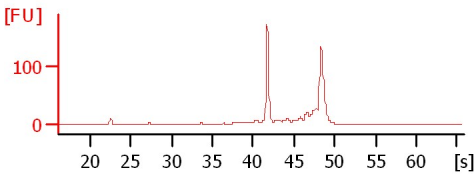
Chip Information:

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

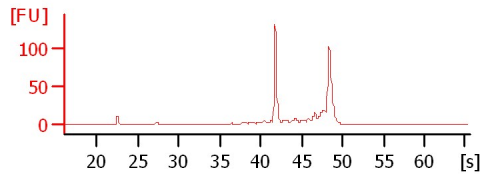
Sample 1
 RIN: 8.70



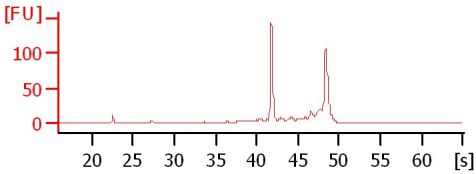
Sample 2
 RIN: 8.80



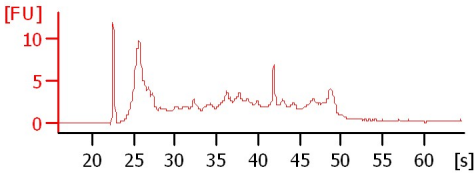
Sample 3
 RIN: 8.60



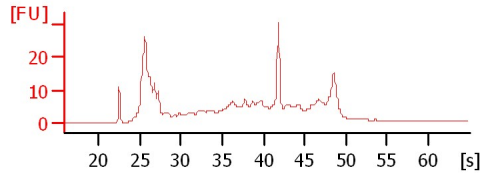
Sample 4
 RIN: 8.30



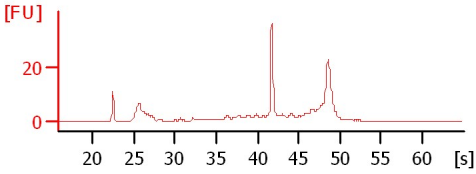
Sample 5
 RIN: 3.50



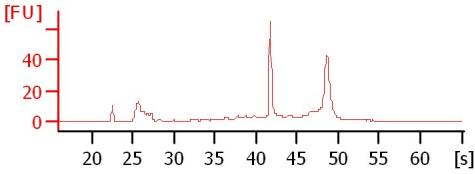
Sample 6
 RIN: 5.40



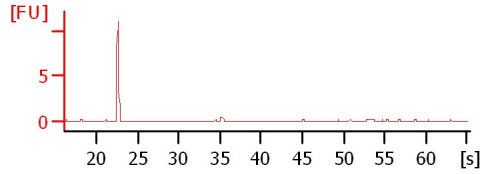
Sample 7
 RIN: 7.80



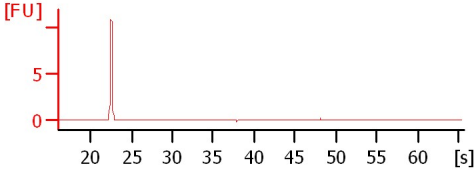
Sample 8
 RIN: 8.30



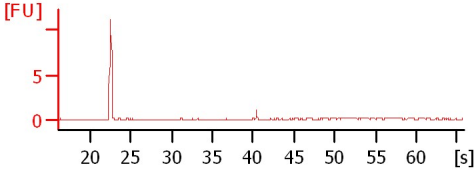
Sample 9
 RIN N/A



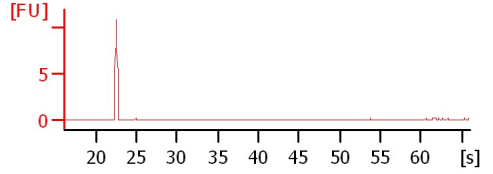
Sample 10
 RIN N/A



Sample 11
 RIN N/A



Sample 12
 RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.70	
Sample 2		✓	RIN: 8.80	
Sample 3		✓	RIN: 8.60	
Sample 4		✓	RIN: 8.30	
Sample 5		✓	RIN: 3.50	
Sample 6		✓	RIN: 5.40	
Sample 7		✓	RIN: 7.80	
Sample 8		✓	RIN: 8.30	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
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:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

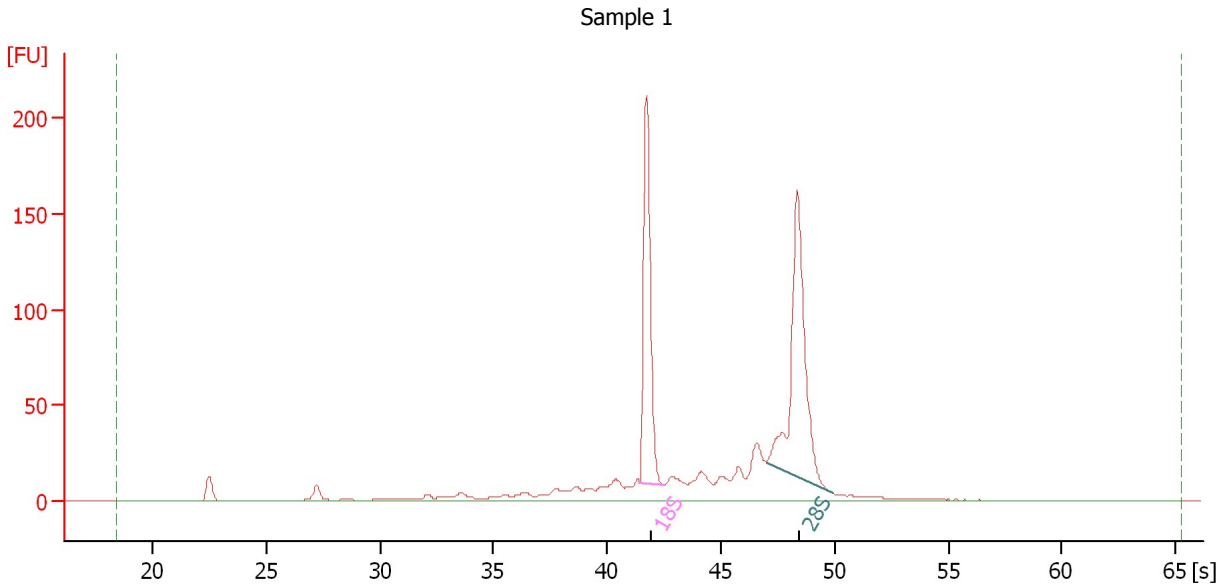
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	764.3	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	454 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

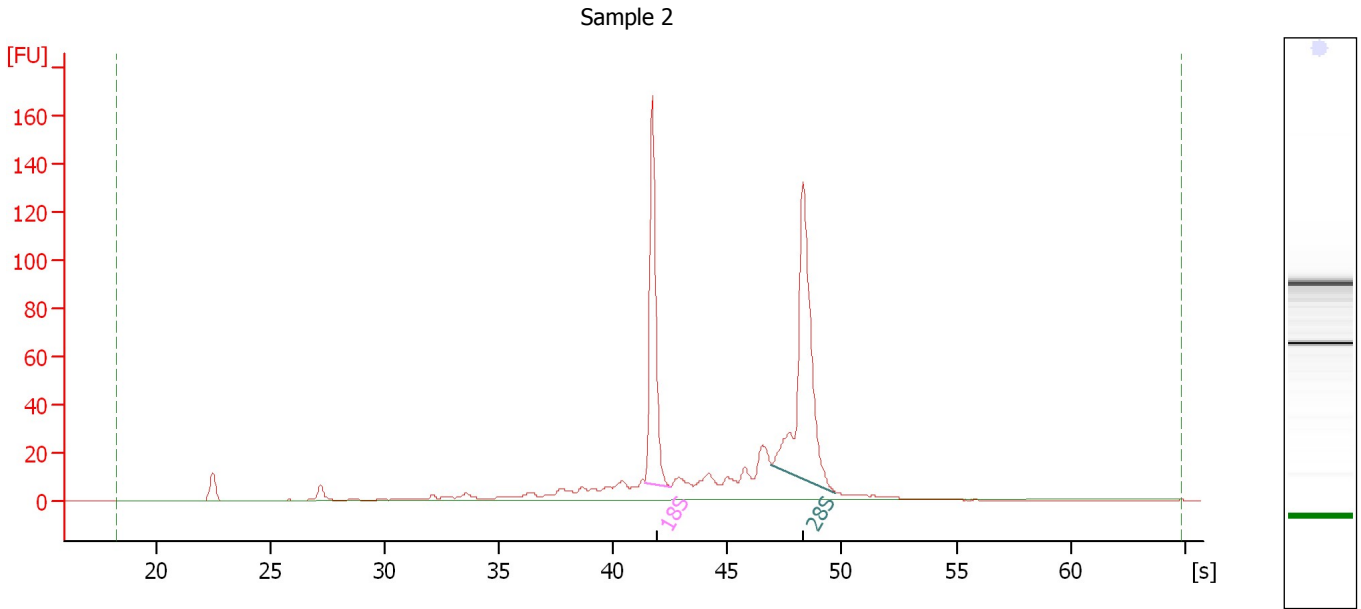
Fragment table for sample 1 : Sample 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.41	42.49	160.0	20.9
28S	46.99	49.92	213.6	27.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	572.2	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	340 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

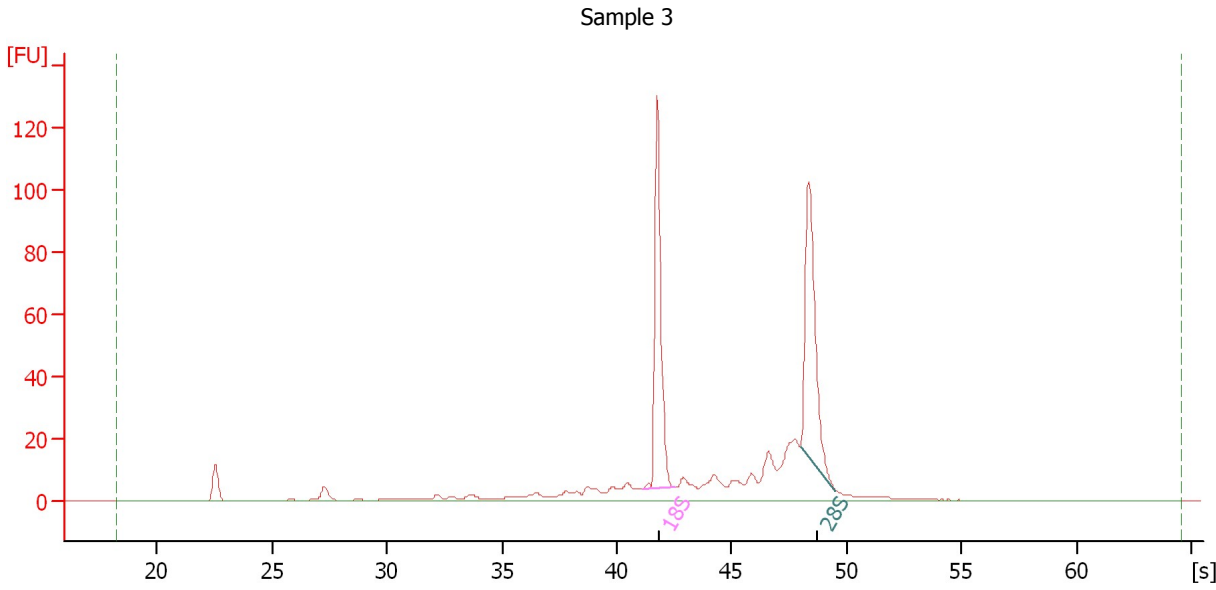
Fragment table for sample 2 : Sample 2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.43	42.51	123.7	21.6
28S	46.93	49.74	170.0	29.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	421.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	250 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.60

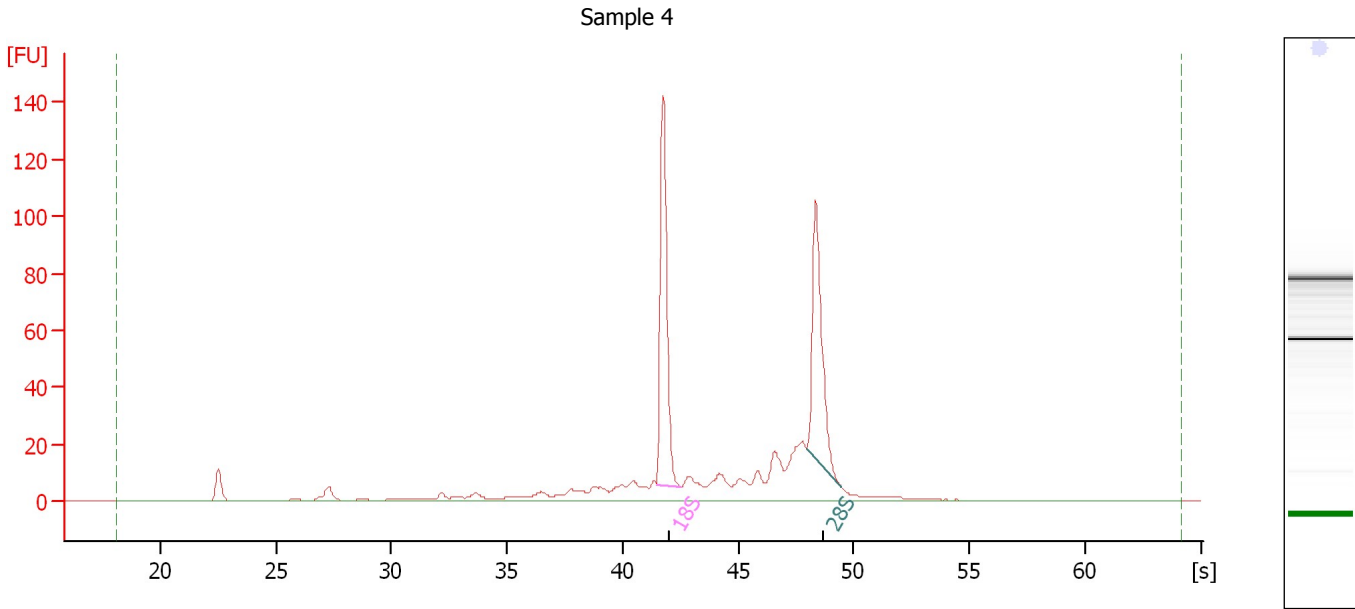
Fragment table for sample 3 : Sample 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.12	42.52	94.4	22.4
28S	47.99	49.54	89.2	21.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	467.0	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	277 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.30

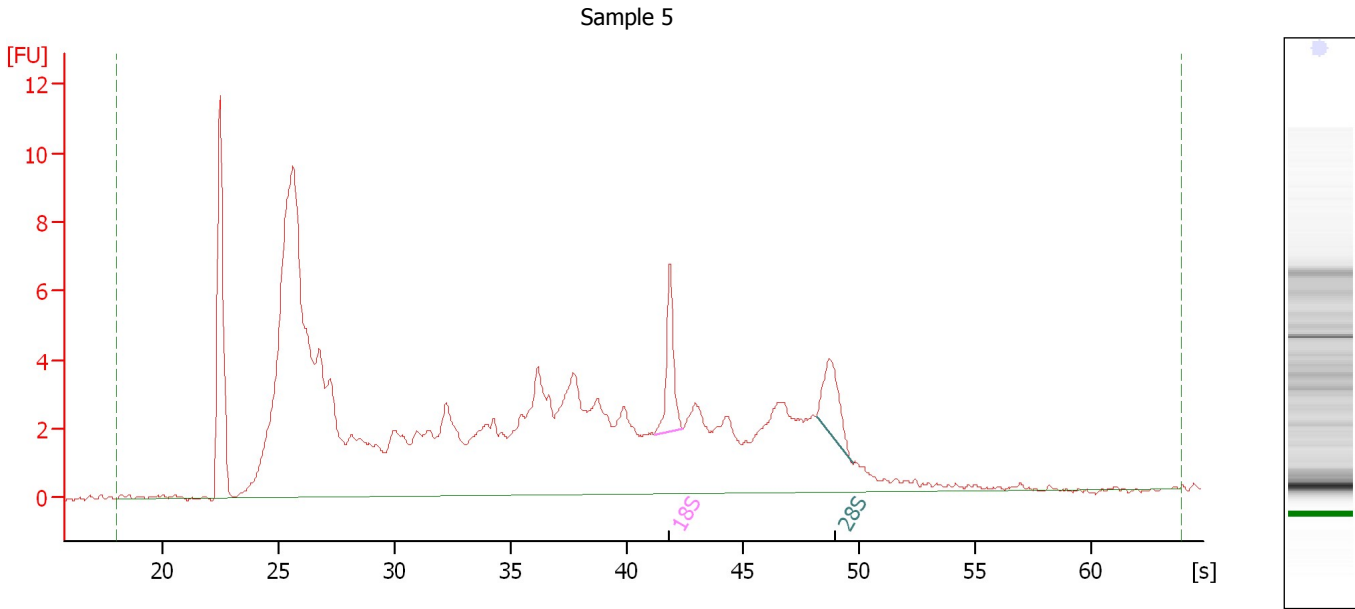
Fragment table for sample 4 : Sample 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.47	42.49	103.4	22.1
28S	47.98	49.46	90.6	19.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	191.2	RNA Integrity Number (RIN):	3.5 (B.02.08)
RNA Concentration:	114 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 3.50

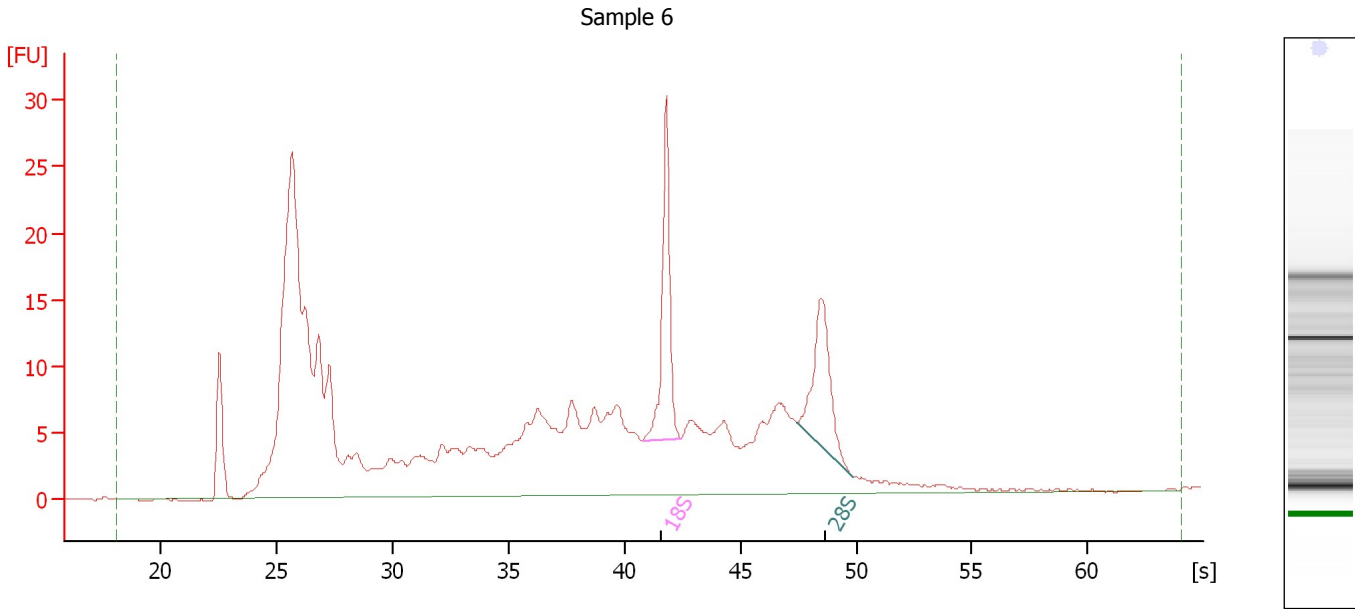
Fragment table for sample 5 : Sample 5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.20	42.41	4.1	2.1
28S	48.19	49.72	3.6	1.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	432.8	RNA Integrity Number (RIN):	5.4 (B.02.08)
RNA Concentration:	257 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.40

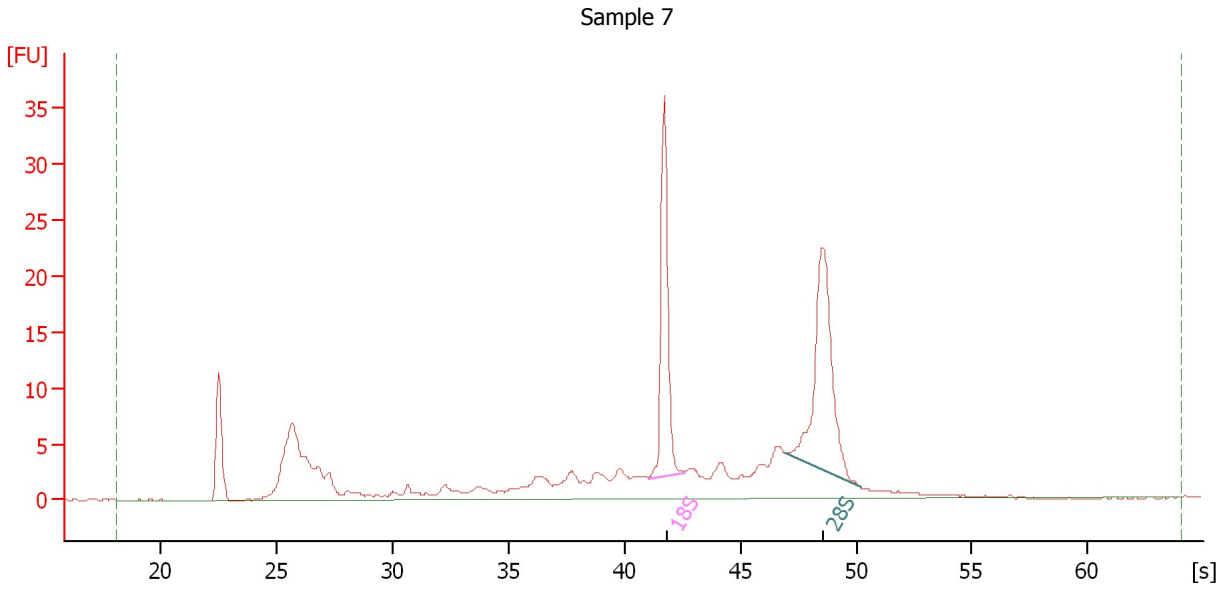
Fragment table for sample 6 : Sample 6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.78	42.45	22.8	5.3
28S	47.46	49.82	19.0	4.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	194.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	116 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.80

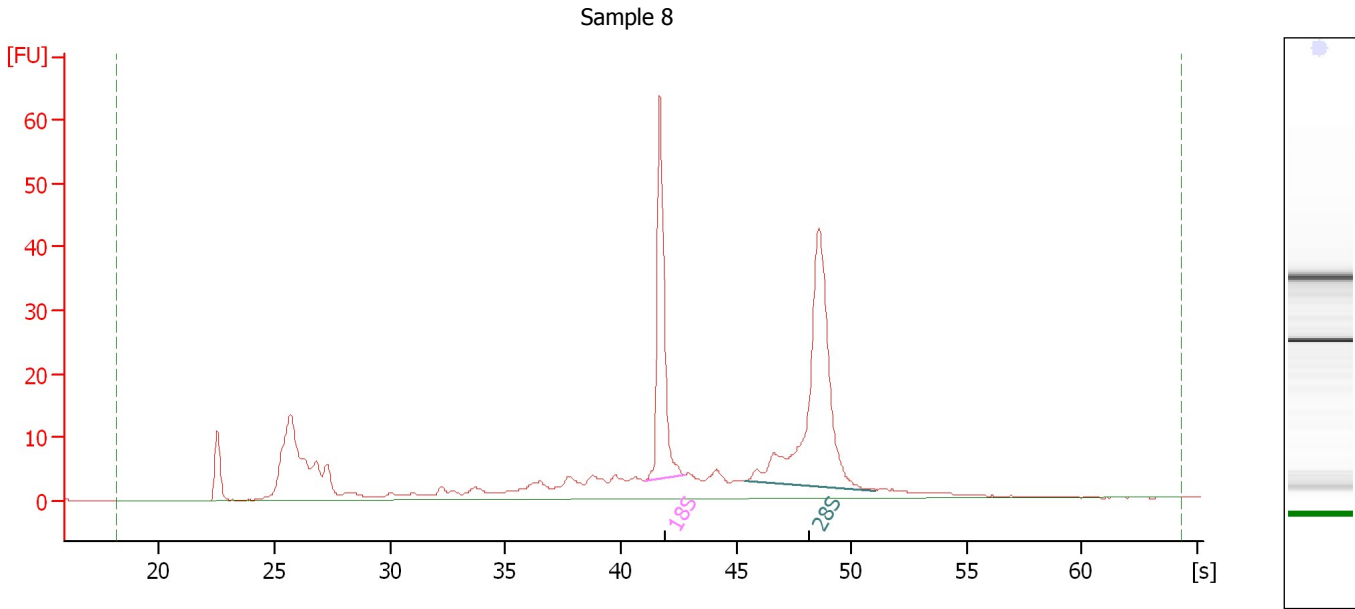
Fragment table for sample 7 : Sample 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.01	42.59	26.2	13.5
28S	46.95	50.20	35.6	18.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	339.0	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	201 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.30

Fragment table for sample 8 : Sample 8

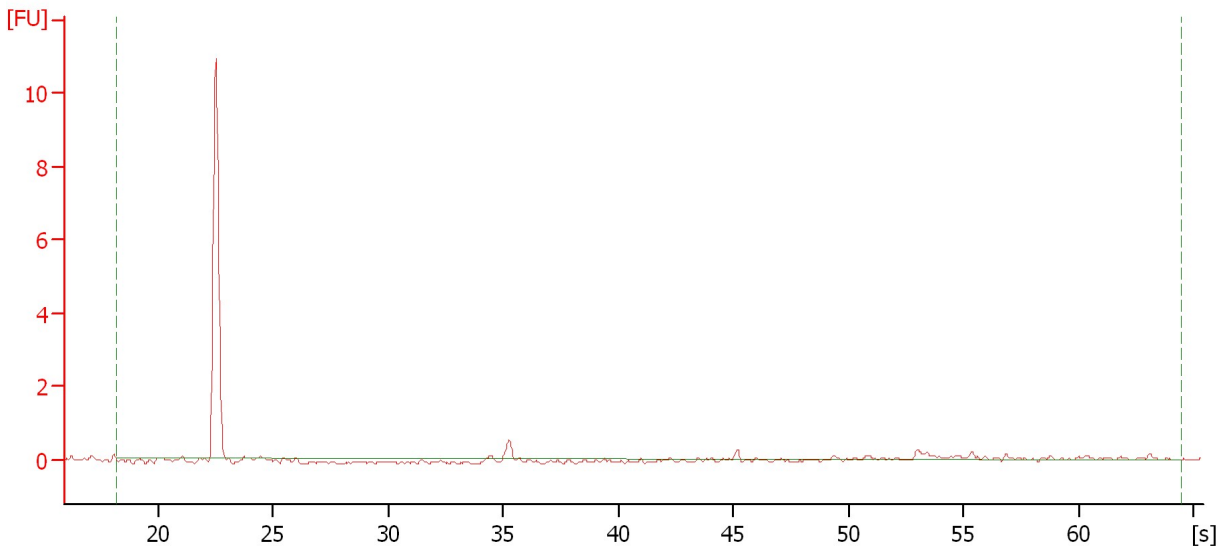
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.09	42.76	49.9	14.7
28S	45.37	51.06	88.6	26.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

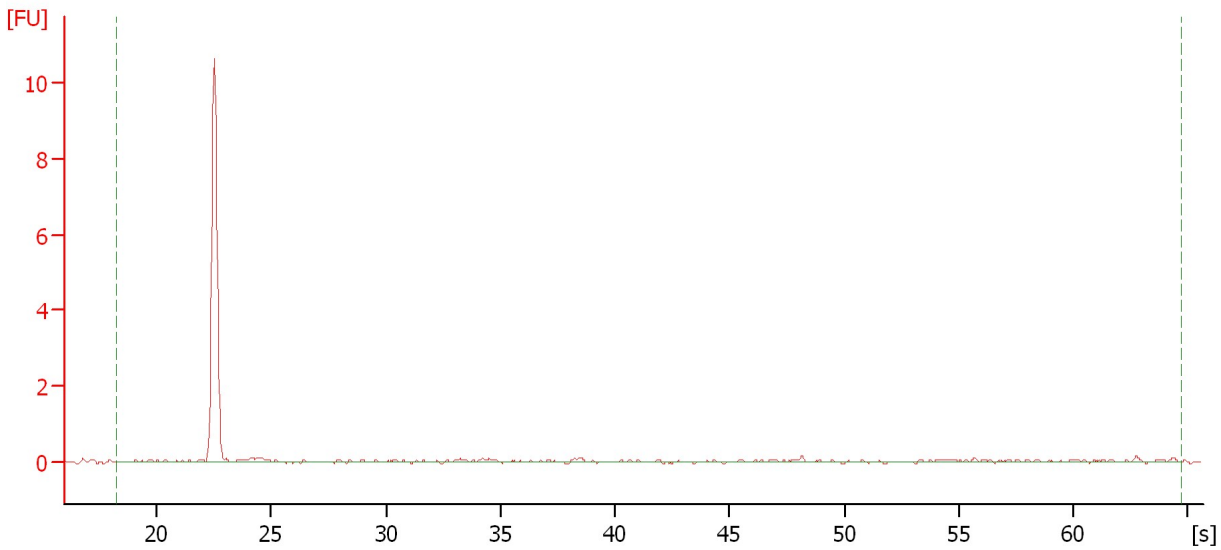
RNA Area:	1.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

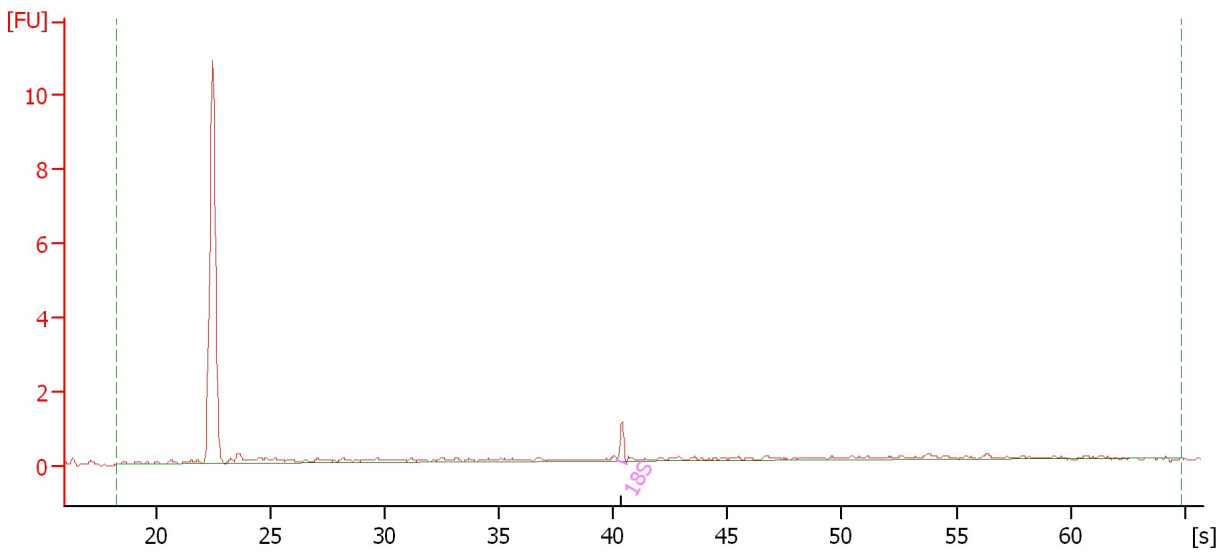
RNA Area:	3.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
 Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	9.4	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

Fragment table for sample 11 : Sample 11

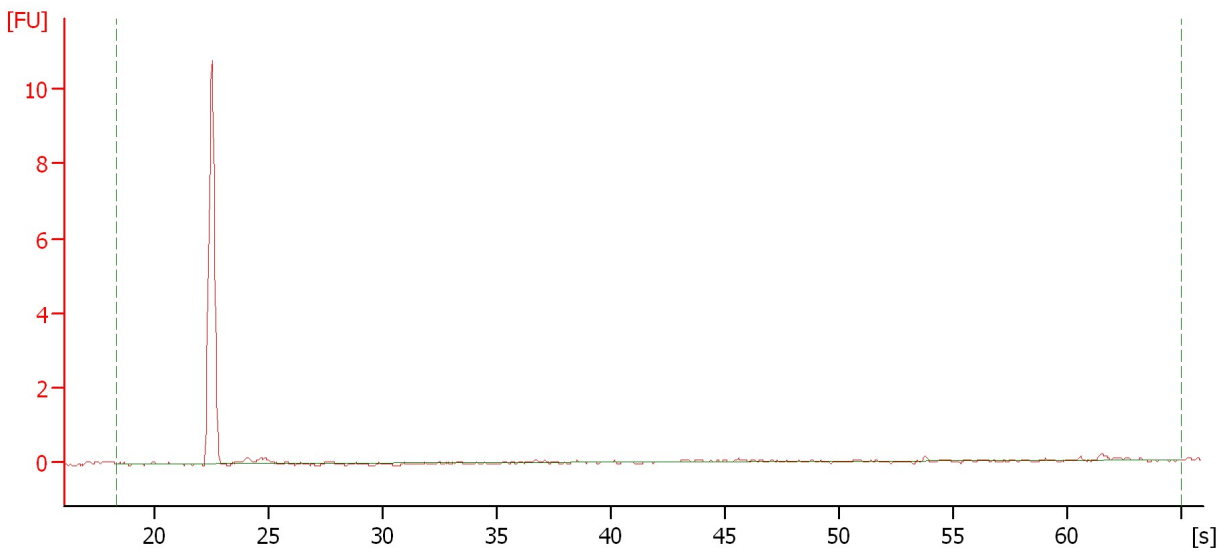
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.21	40.58	0.5	5.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 AM

Electropherogram Summary Continued ...

Sample 12



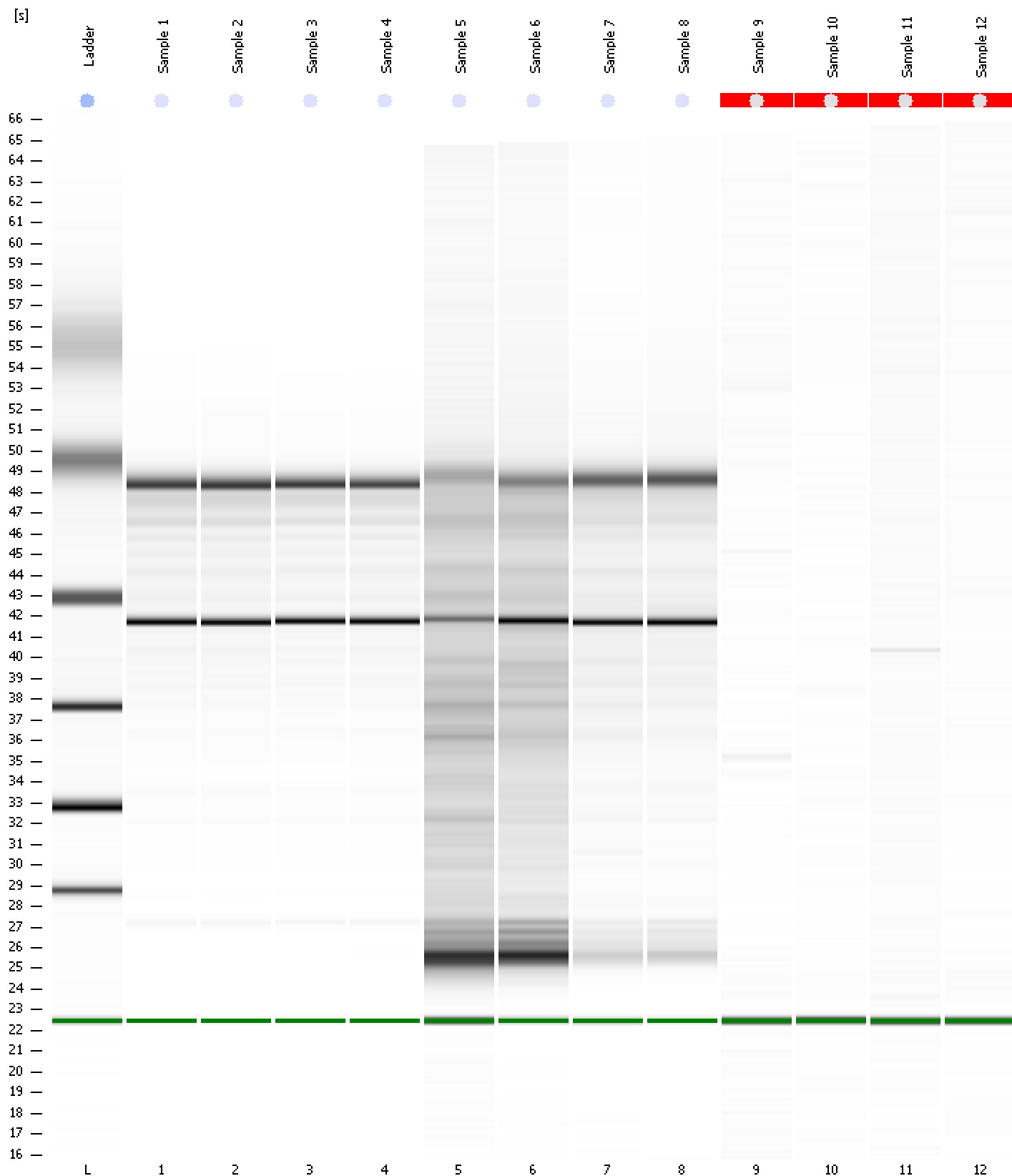
Overall Results for sample 12 : Sample 12

RNA Area:	0.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	0 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:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...pert_Eukaryote Total RNA Nano_DE13701086_2014-04-28_001.xad

Created: 4/28/2014 11:09:57 AM
Modified: 4/28/2014 11:33:46 AM

Curves

Standard Curve

