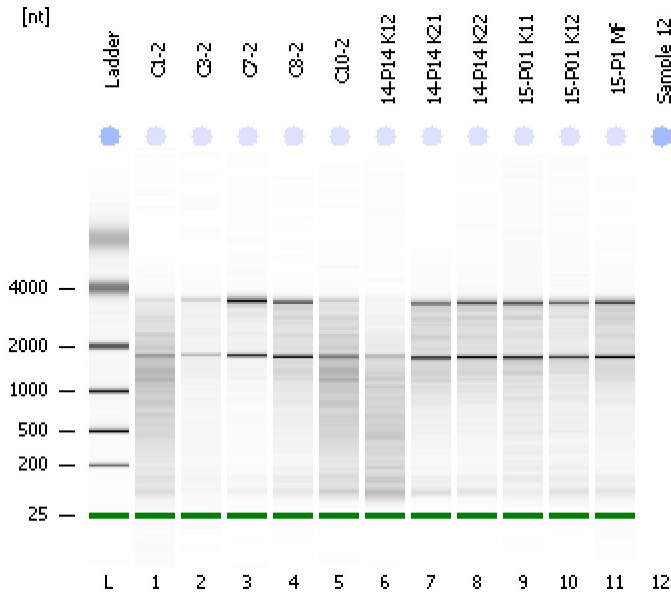


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 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

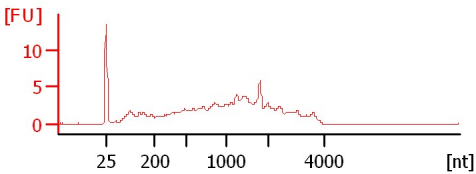
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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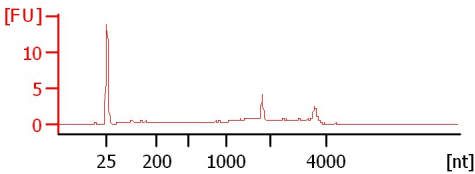
Chip Information:

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

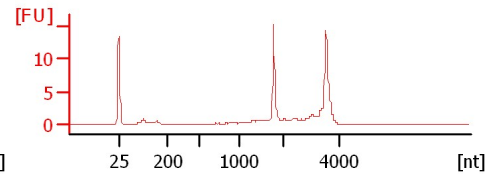
C1-2
RIN: 4



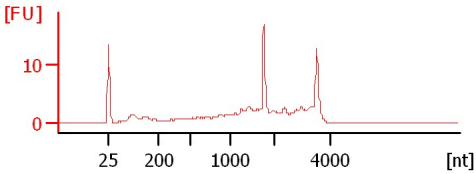
C3-2
RIN: 6.50



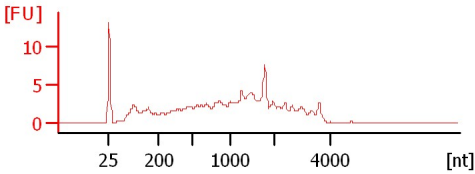
C7-2
RIN: 8.90



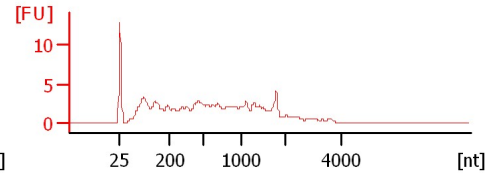
C8-2
RIN: 6.70



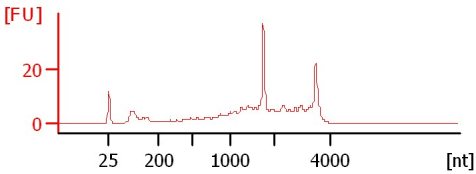
C10-2
RIN: 4.50



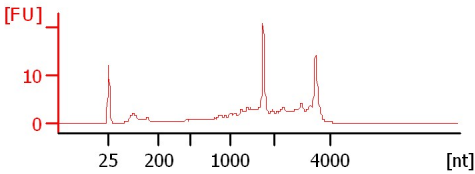
14-P14 K12
RIN: 4.70



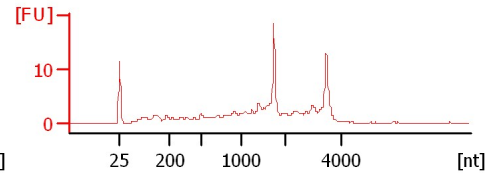
14-P14 K21
RIN: 6.30



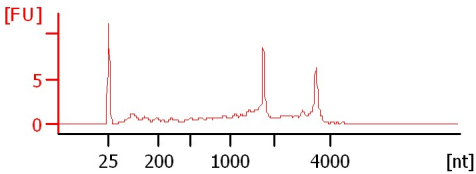
14-P14 K22
RIN: 6.80



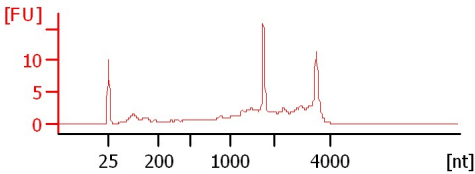
15-P01 K11
RIN: 6.70



15-P01 K12
RIN: 6.90



15-P1 MF
RIN: 6.90



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
 Modified: 8/25/2015 1:19:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C1-2		✓	RIN:4	
C3-2		✓	RIN: 6.50	
C7-2		✓	RIN: 8.90	
C8-2		✓	RIN: 6.70	
C10-2		✓	RIN: 4.50	
14-P14 K12		✓	RIN: 4.70	
14-P14 K21		✓	RIN: 6.30	
14-P14 K22		✓	RIN: 6.80	
15-P01 K11		✓	RIN: 6.70	
15-P01 K12		✓	RIN: 6.90	
15-P1 Mf		✓	RIN: 6.90	
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 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/ 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

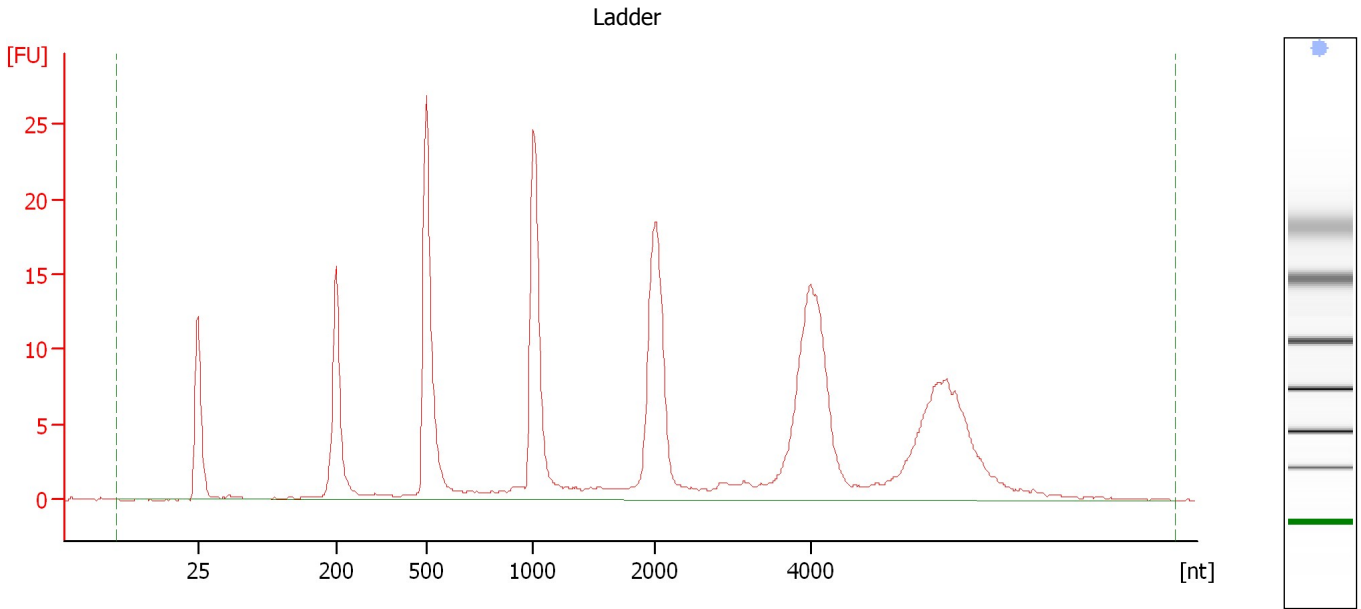
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary



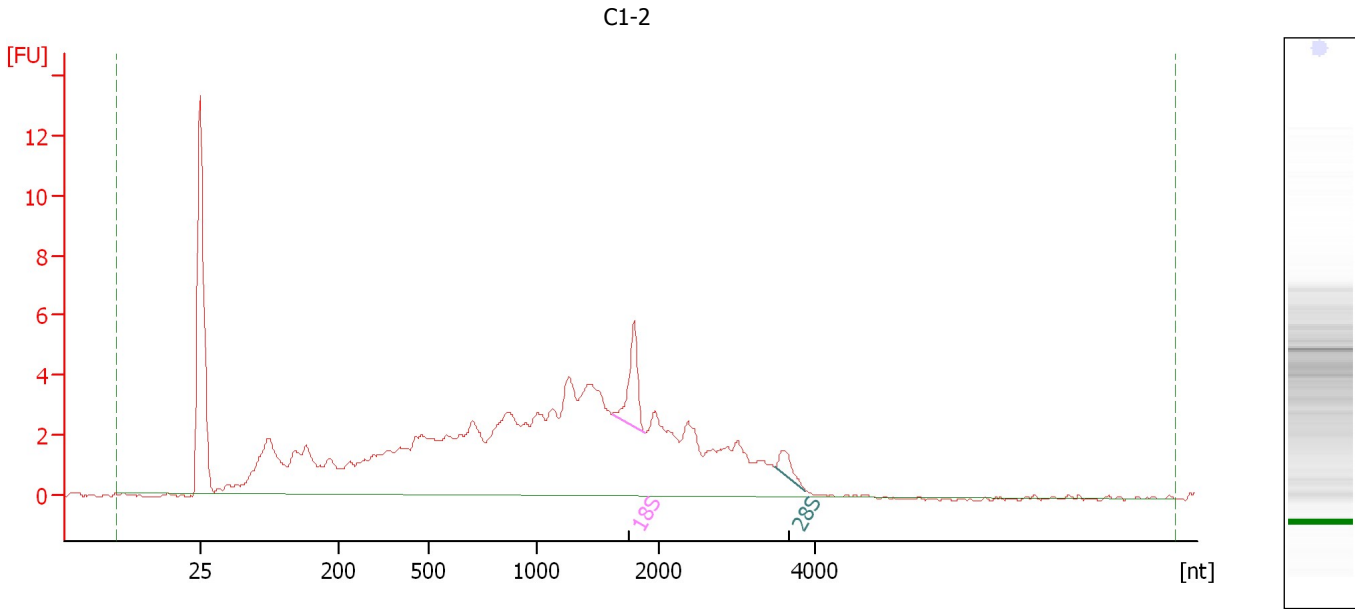
Overall Results for Ladder

RNA Area:	237.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C1-2

RNA Area: 132.9 RNA Integrity Number (RIN): 4 (B.02.08)
RNA Concentration: 84 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN:4

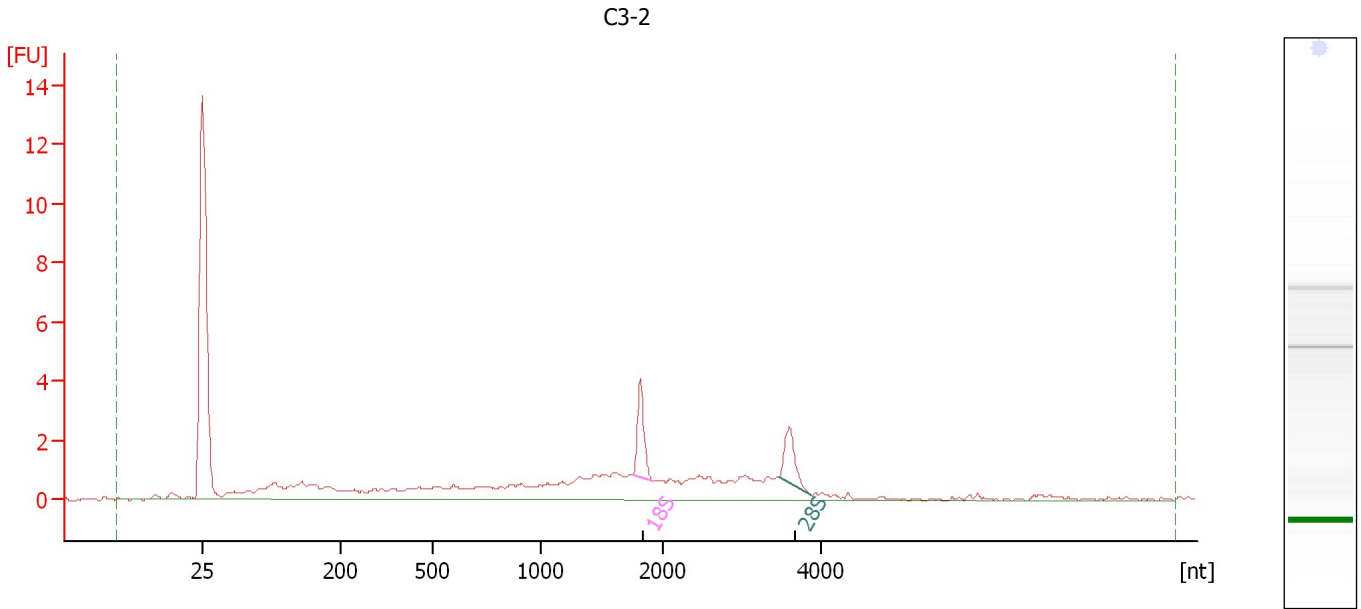
Fragment table for sample 1 : C1-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	1,879	3.8	2.8
28S	3,471	3,870	1.1	0.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C3-2

RNA Area:	45.4	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.50

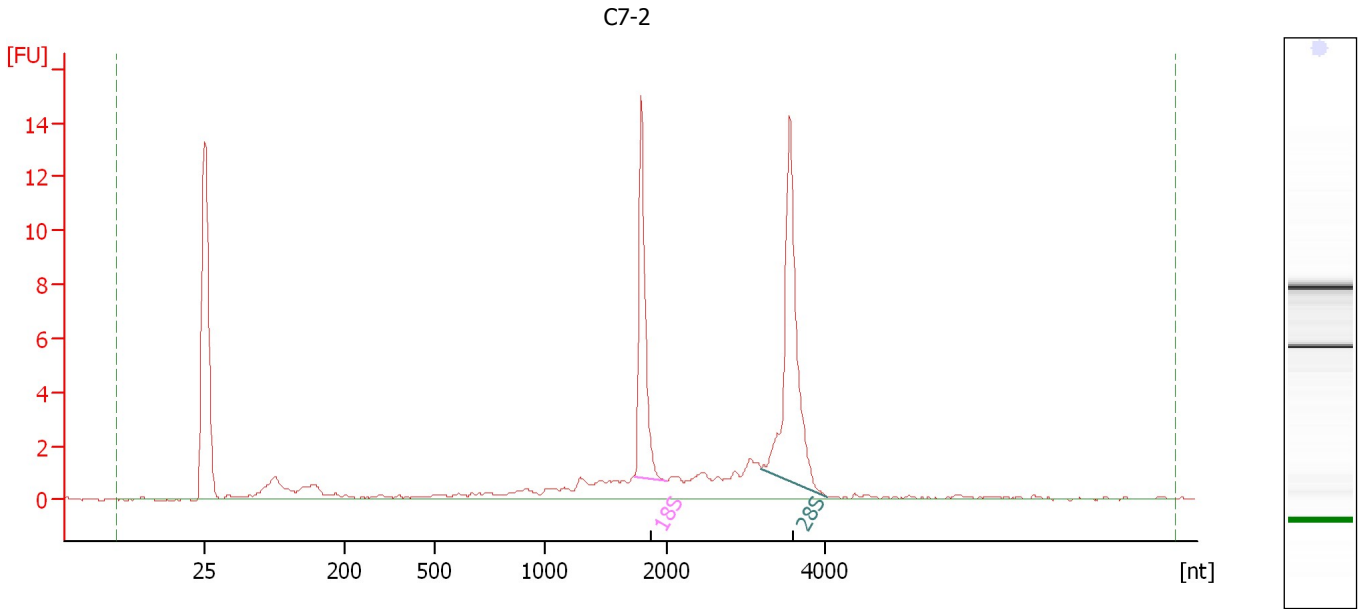
Fragment table for sample 2 : C3-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	1,907	2.7	5.9
28S	3,467	3,891	2.1	4.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C7-2

RNA Area:	57.2	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

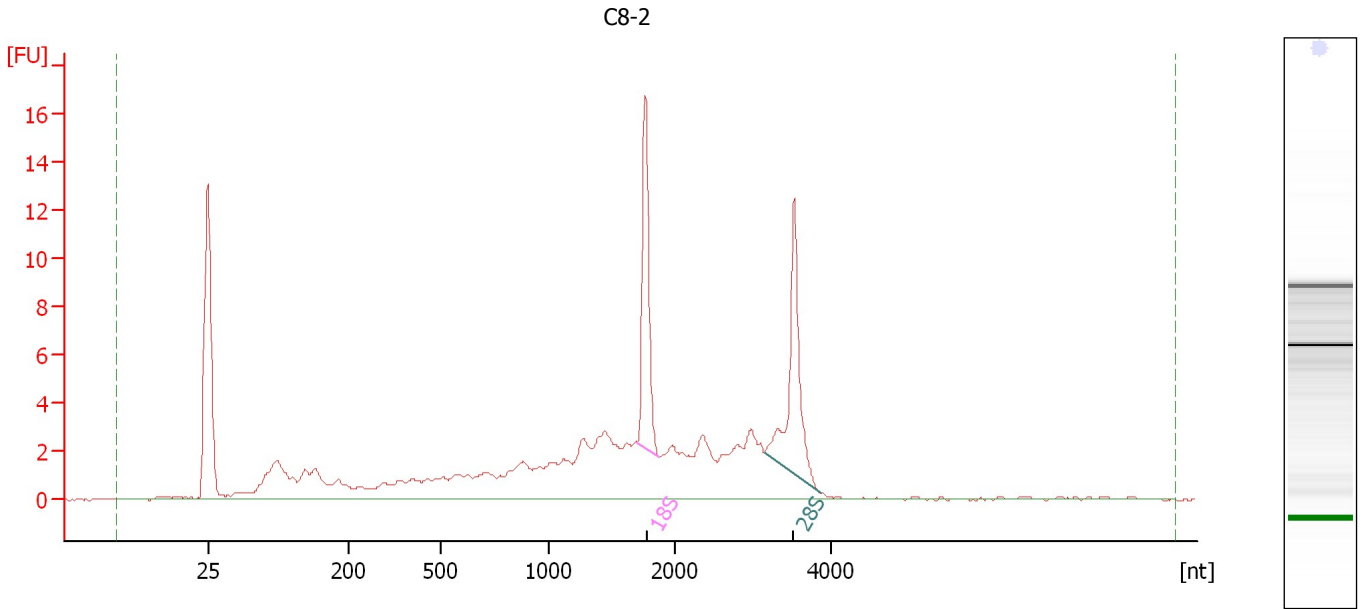
Fragment table for sample 3 : C7-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	1,986	10.7	18.6
28S	3,191	4,035	16.4	28.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C8-2

RNA Area:	115.4	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.70

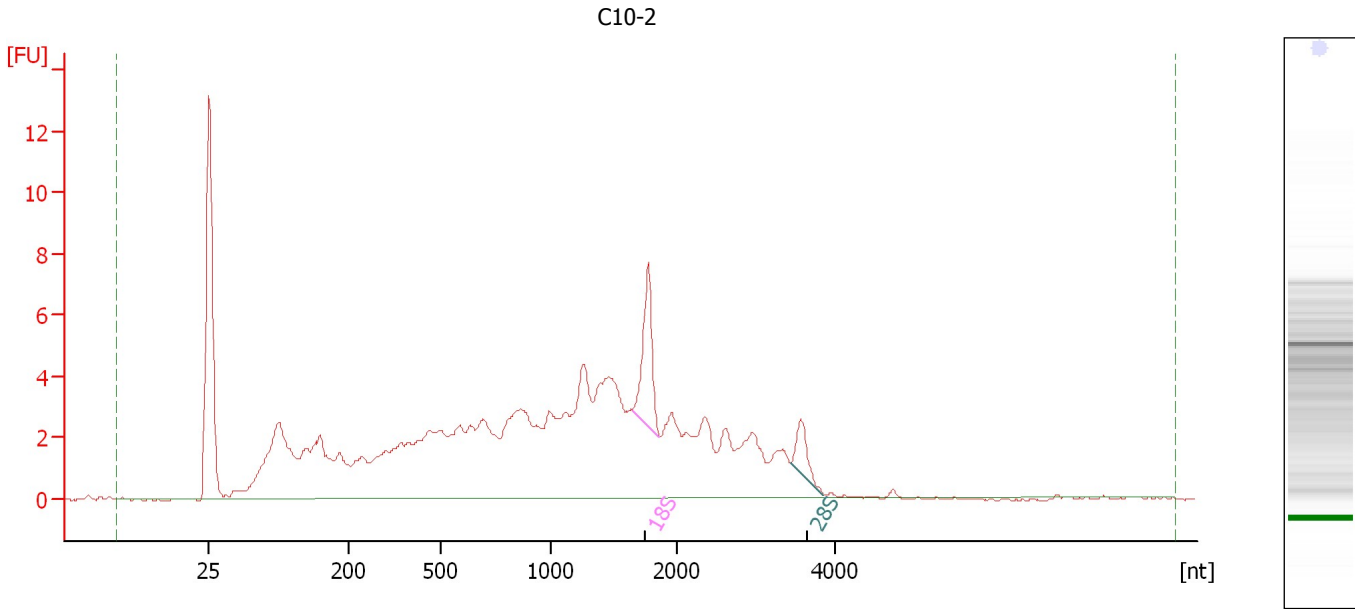
Fragment table for sample 4 : C8-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	1,885	10.9	9.5
28S	3,146	3,850	12.5	10.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C10-2

RNA Area: 151.0 RNA Integrity Number (RIN): 4.5 (B.02.08)
RNA Concentration: 95 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 4.50

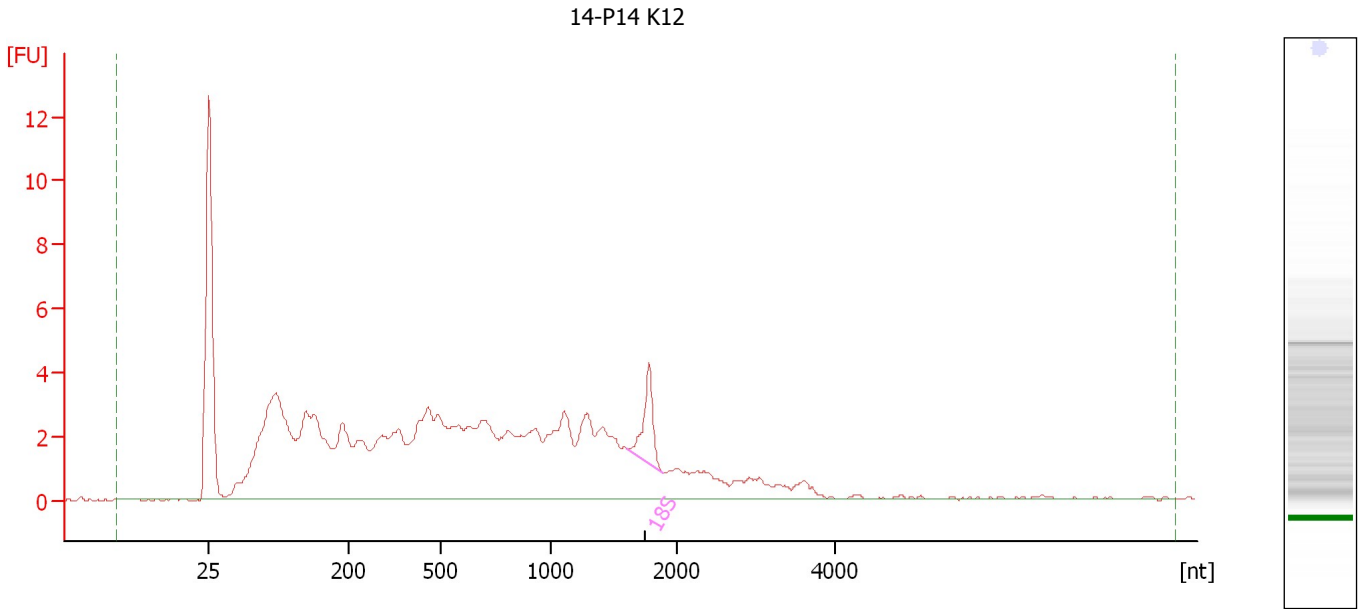
Fragment table for sample 5 : C10-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,646	1,869	5.6	3.7
28S	3,442	3,860	1.9	1.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 14-P14 K12

RNA Area:	130.9	RNA Integrity Number (RIN):	4.7 (B.02.08)
RNA Concentration:	83 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.70

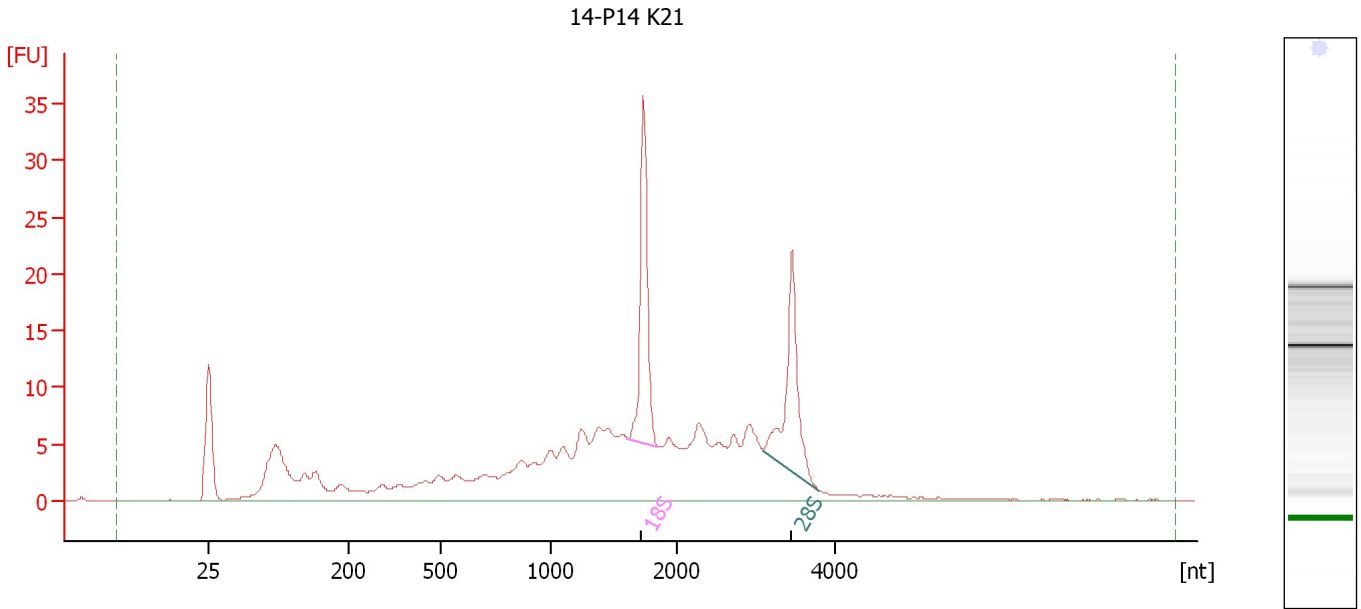
Fragment table for sample 6 : 14-P14 K12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,895	3.5	2.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 14-P14 K21

RNA Area:	271.6	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	171 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.30

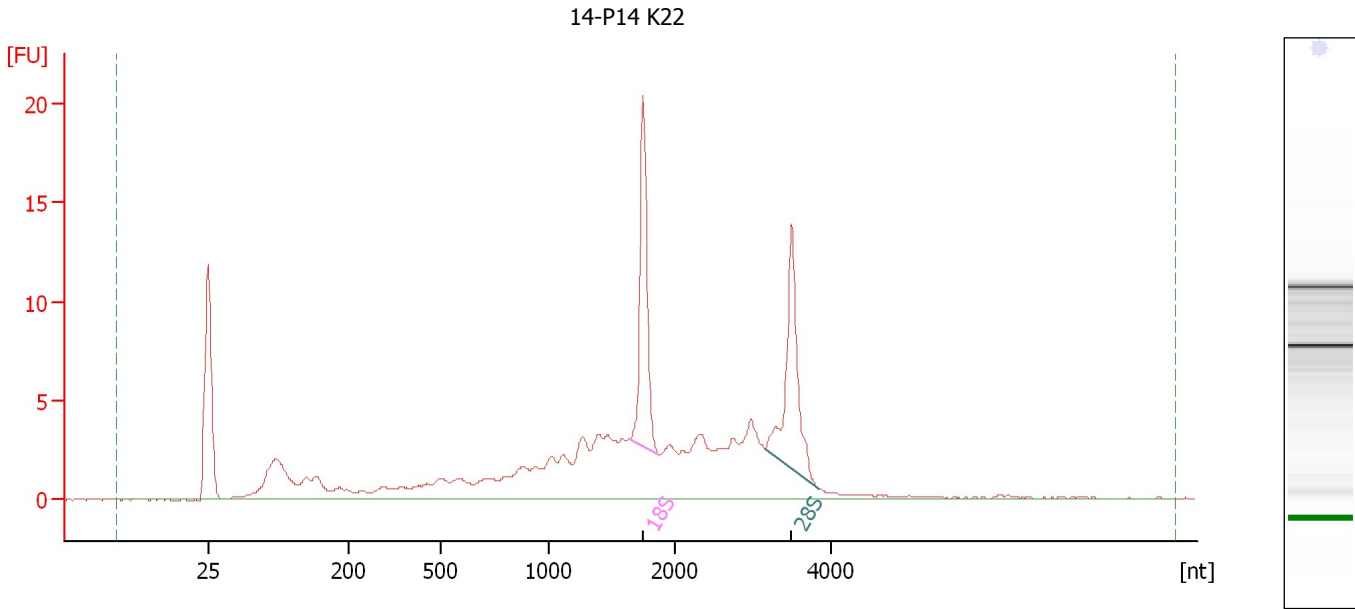
Fragment table for sample 7 : 14-P14 K21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,852	25.4	9.3
28S	3,104	3,806	23.3	8.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 14-P14 K22

RNA Area: 139.3 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 88 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 6.80

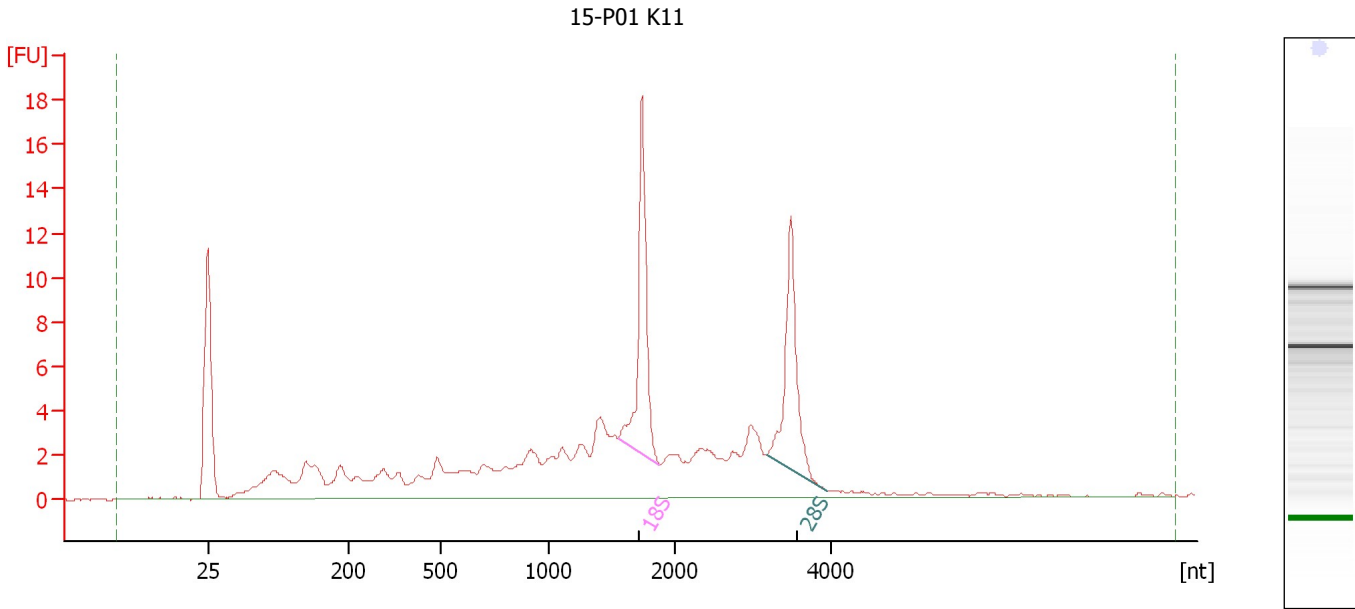
Fragment table for sample 8 : 14-P14 K22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	1,877	14.7	10.5
28S	3,146	3,836	14.9	10.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 15-P01 K11

RNA Area: 135.7 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 86 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 6.70

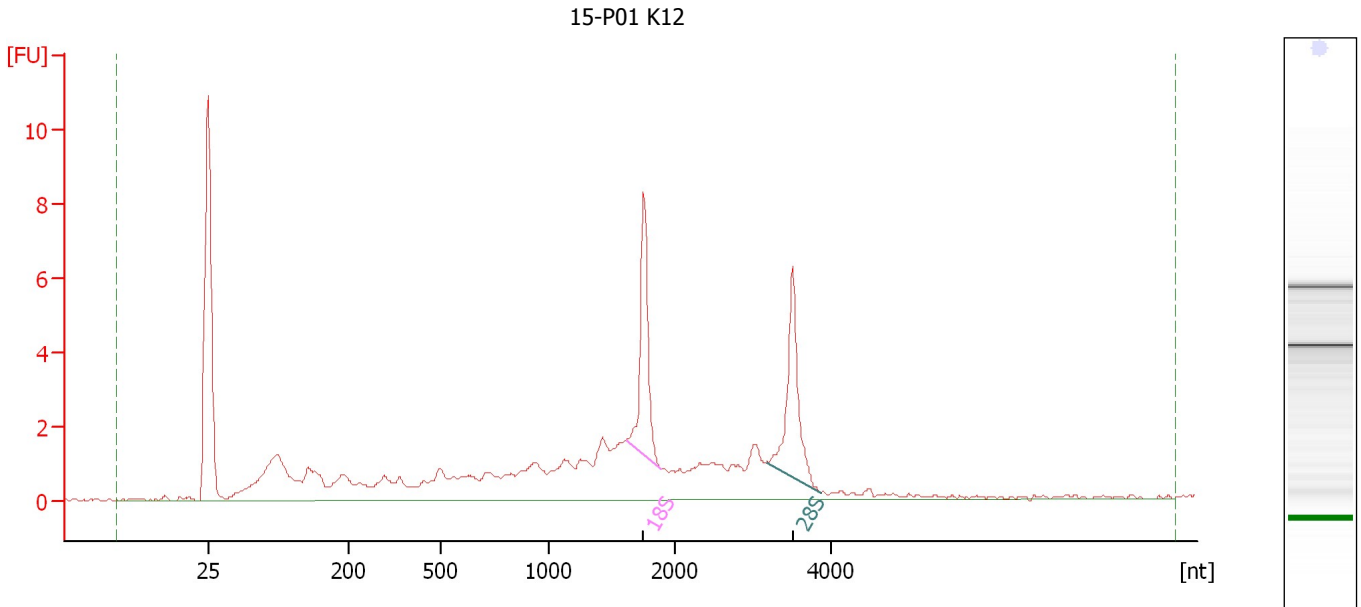
Fragment table for sample 9 : 15-P01 K11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,885	15.0	11.0
28S	3,173	3,931	13.2	9.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
 Modified: 8/25/2015 1:19:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 15-P01 K12

RNA Area:	69.9	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.90

Fragment table for sample 10 : 15-P01 K12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	1,894	6.2	8.9
28S	3,173	3,850	6.5	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-25\2015-08-25_002.xad

Created: 8/25/2015 12:56:33 PM
Modified: 8/25/2015 1:19:01 PM

Gel Image

