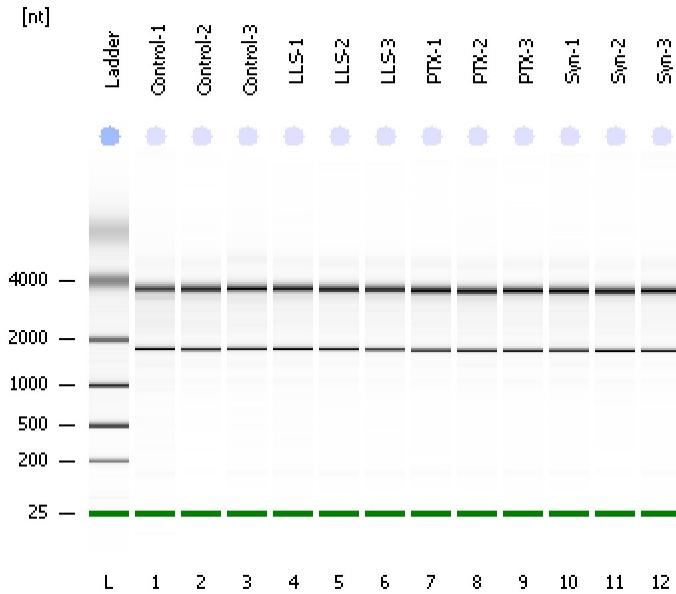


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electrophoresis File Run Summary



Instrument Information:

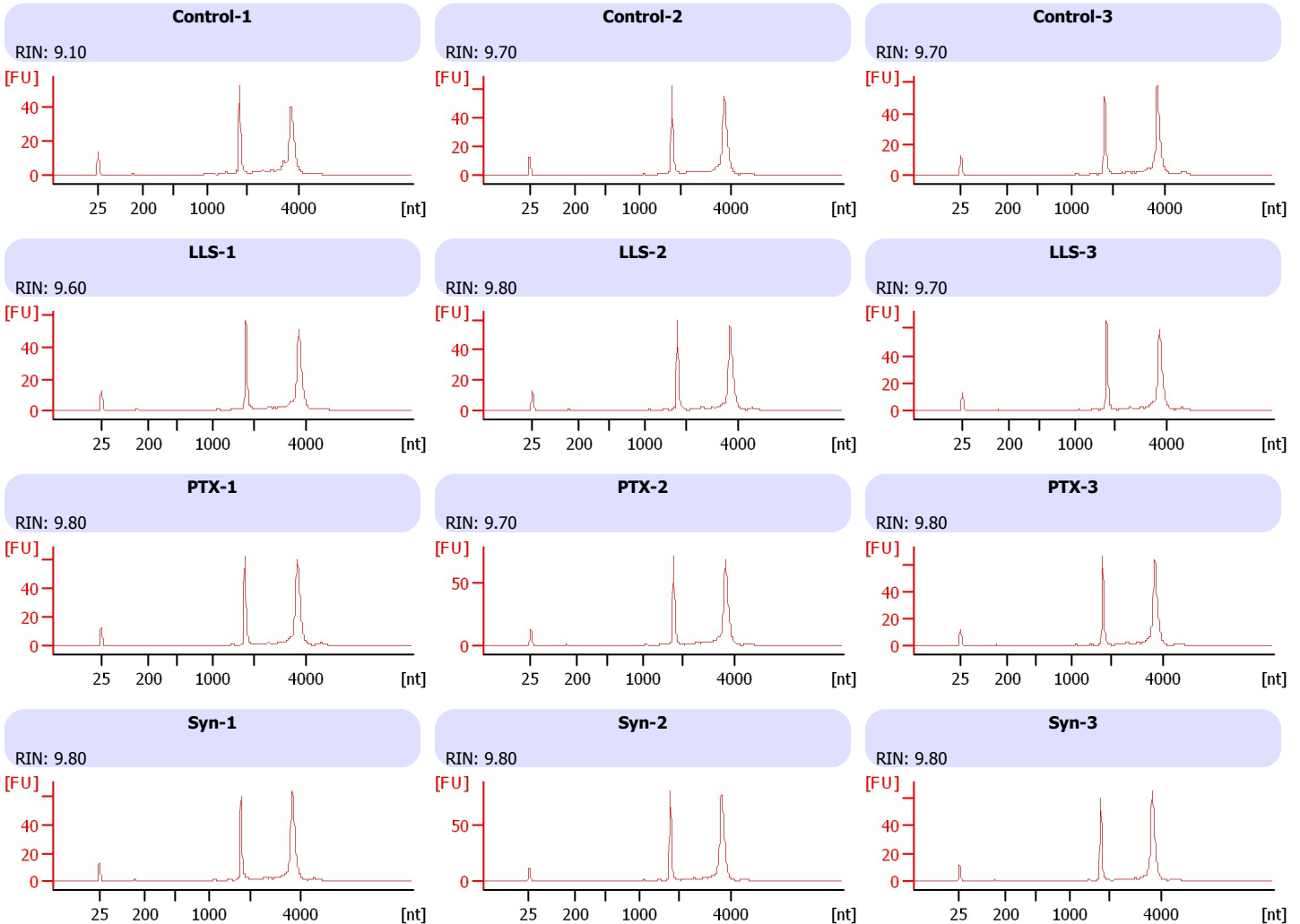
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Control-1		✓	RIN: 9.10	
Control-2		✓	RIN: 9.70	
Control-3		✓	RIN: 9.70	
LLS-1		✓	RIN: 9.60	
LLS-2		✓	RIN: 9.80	
LLS-3		✓	RIN: 9.70	
PTX-1		✓	RIN: 9.80	
PTX-2		✓	RIN: 9.70	
PTX-3		✓	RIN: 9.80	
Syn-1		✓	RIN: 9.80	
Syn-2		✓	RIN: 9.80	
Syn-3		✓	RIN: 9.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 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

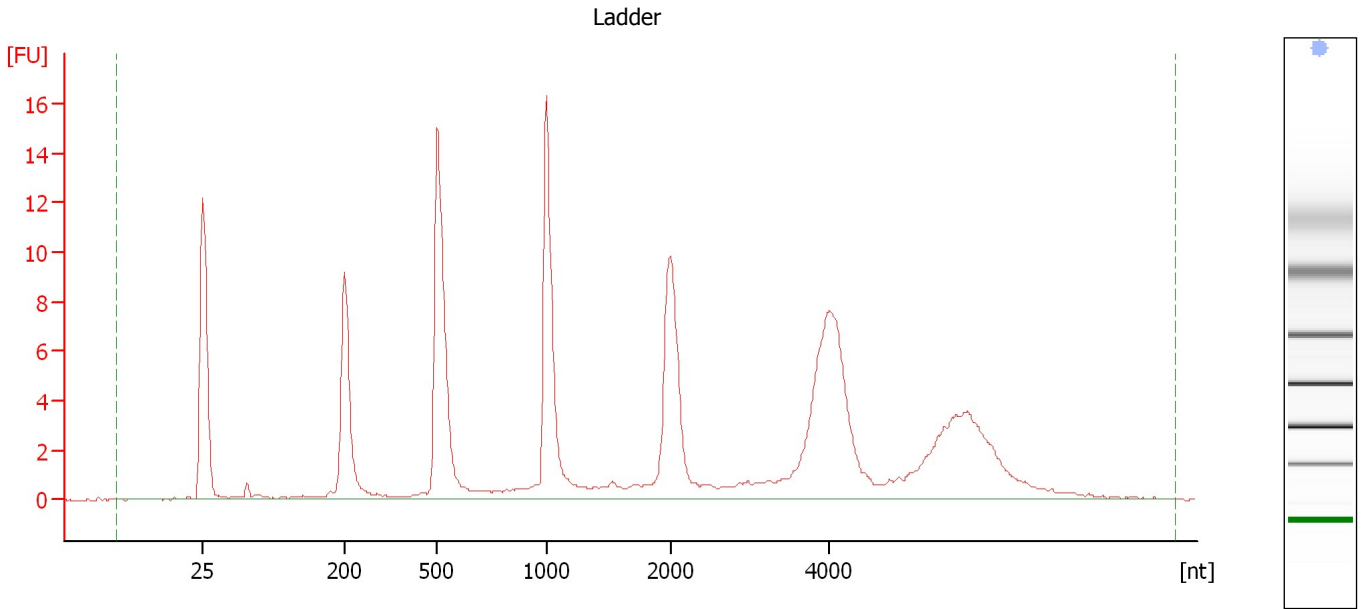
Ladder

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\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary



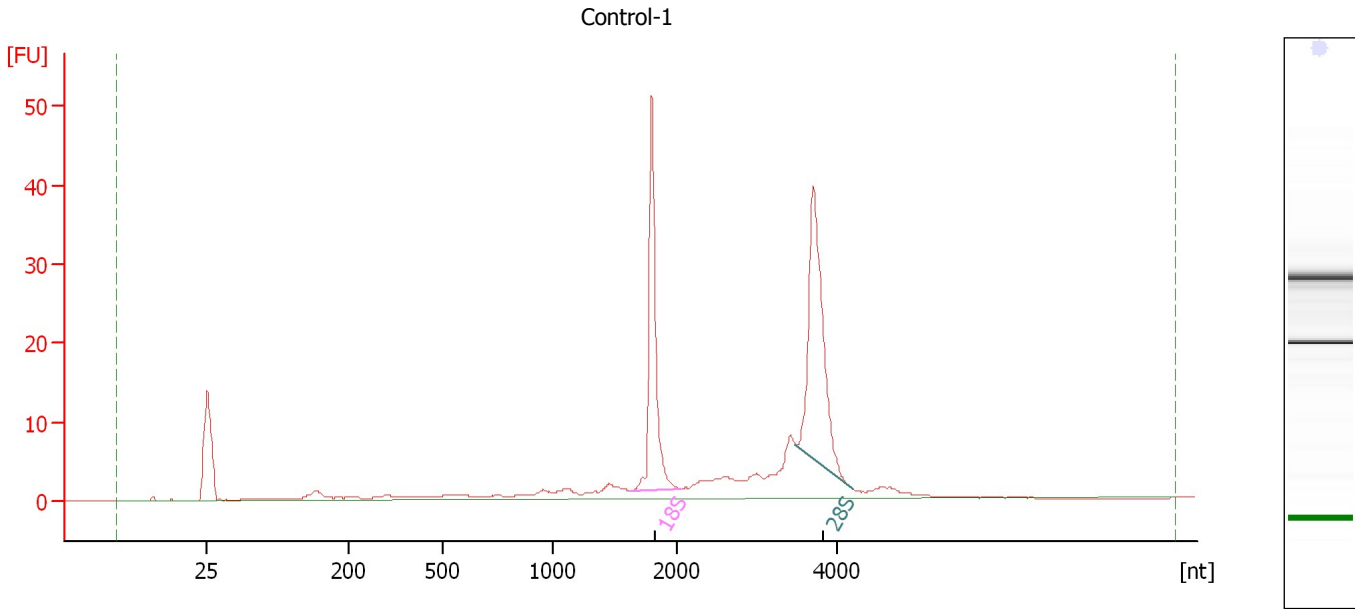
Overall Results for Ladder

RNA Area:	142.2	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\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Control-1

RNA Area:	183.9	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.10

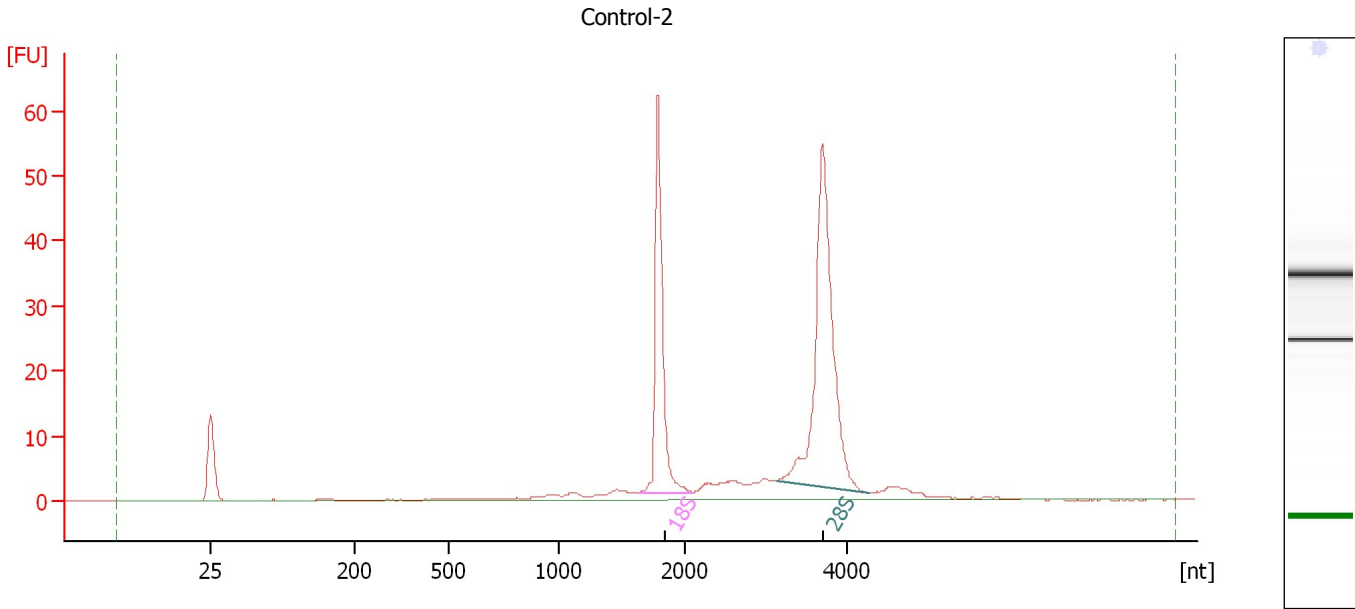
Fragment table for sample 1 : Control-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	2,056	41.7	22.7
28S	3,483	4,203	50.9	27.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Control-2

RNA Area: 211.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 223 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.70

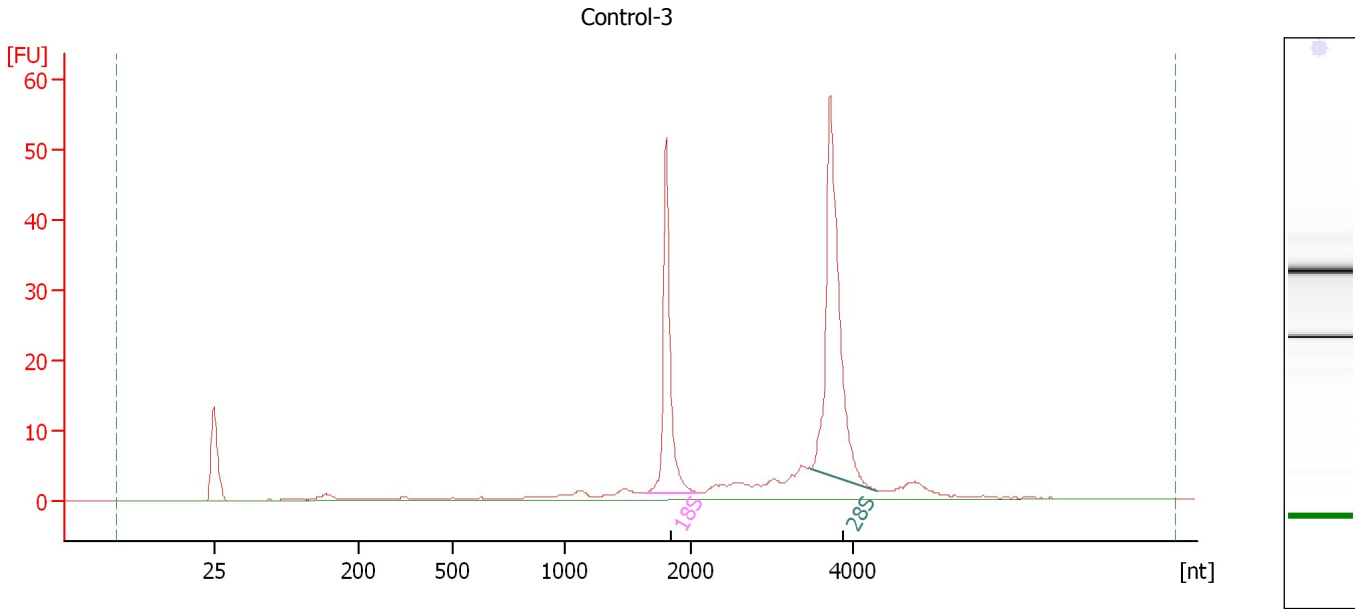
Fragment table for sample 2 : Control-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,099	52.0	24.6
28S	3,144	4,268	91.4	43.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Control-3

RNA Area: 188.8 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 199 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

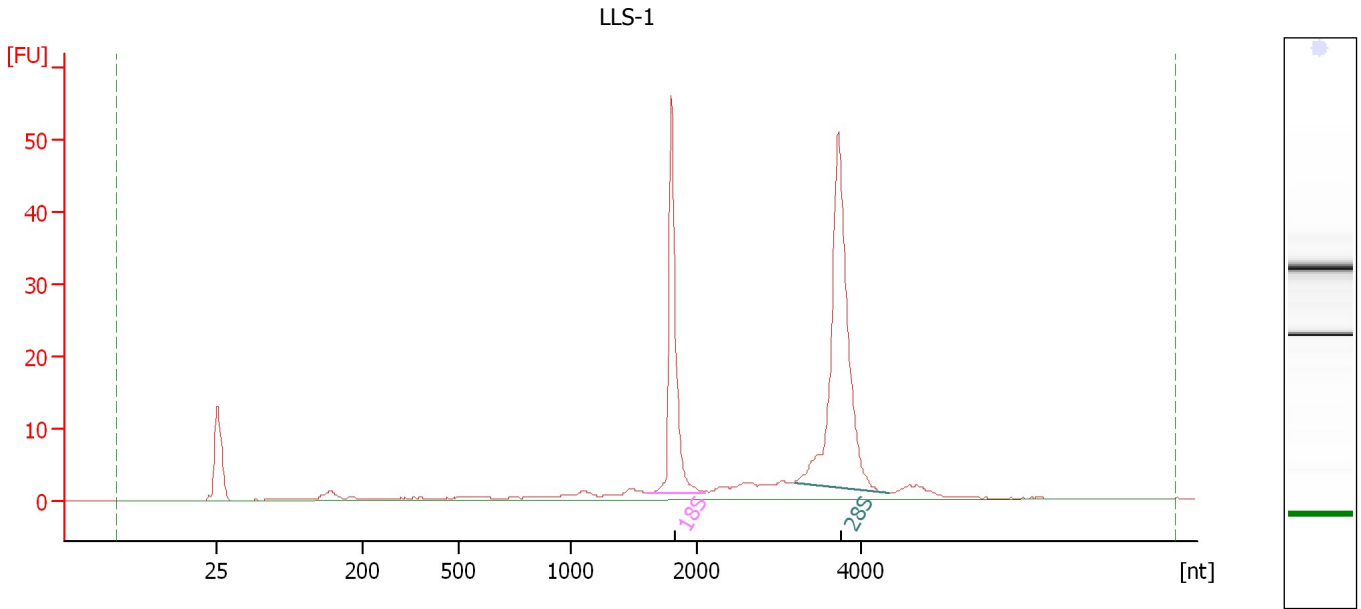
Fragment table for sample 3 : Control-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	2,075	42.7	22.6
28S	3,468	4,283	70.8	37.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LLS-1

RNA Area:	191.5	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	202 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.60

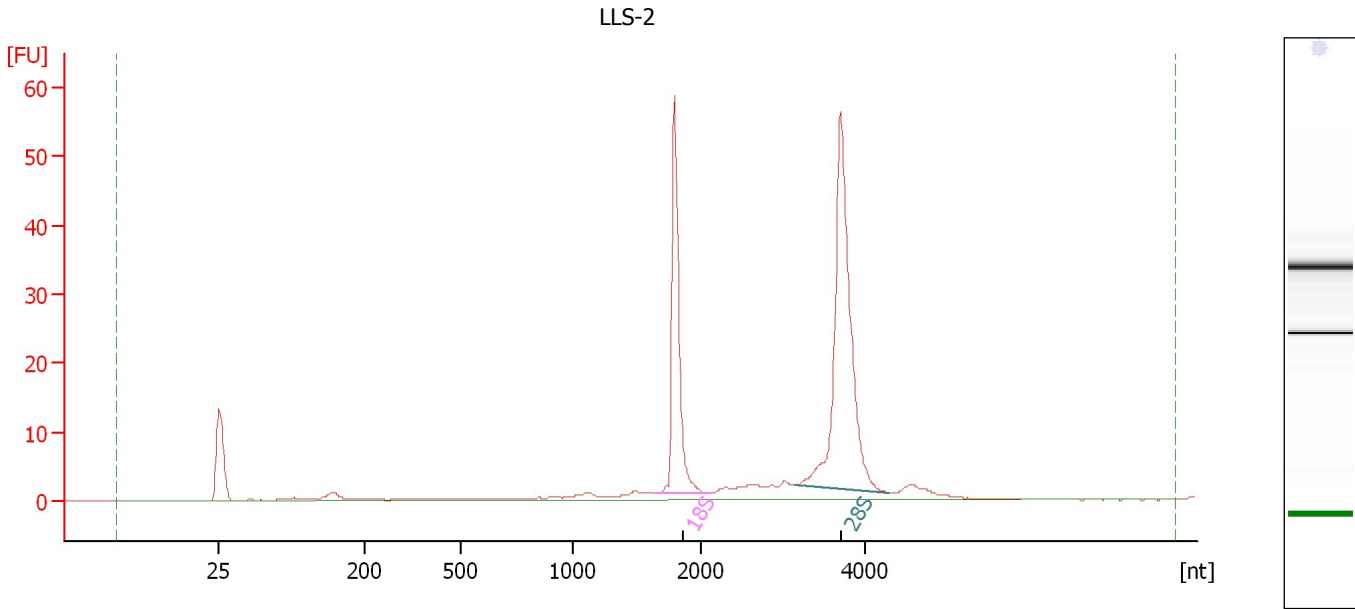
Fragment table for sample 4 : LLS-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	2,090	43.9	22.9
28S	3,187	4,337	80.9	42.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : LLS-2

RNA Area:	192.7	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	203 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.80

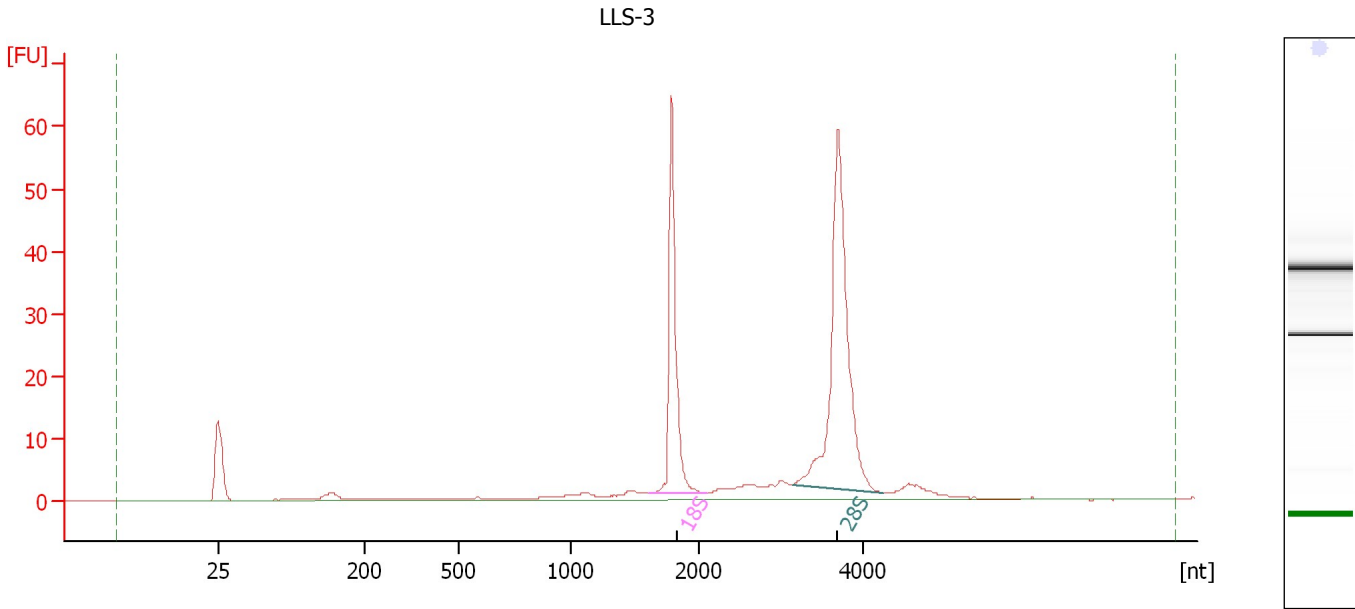
Fragment table for sample 5 : LLS-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	2,105	45.9	23.8
28S	3,132	4,277	86.1	44.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LLS-3

RNA Area:	206.8	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	218 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.70

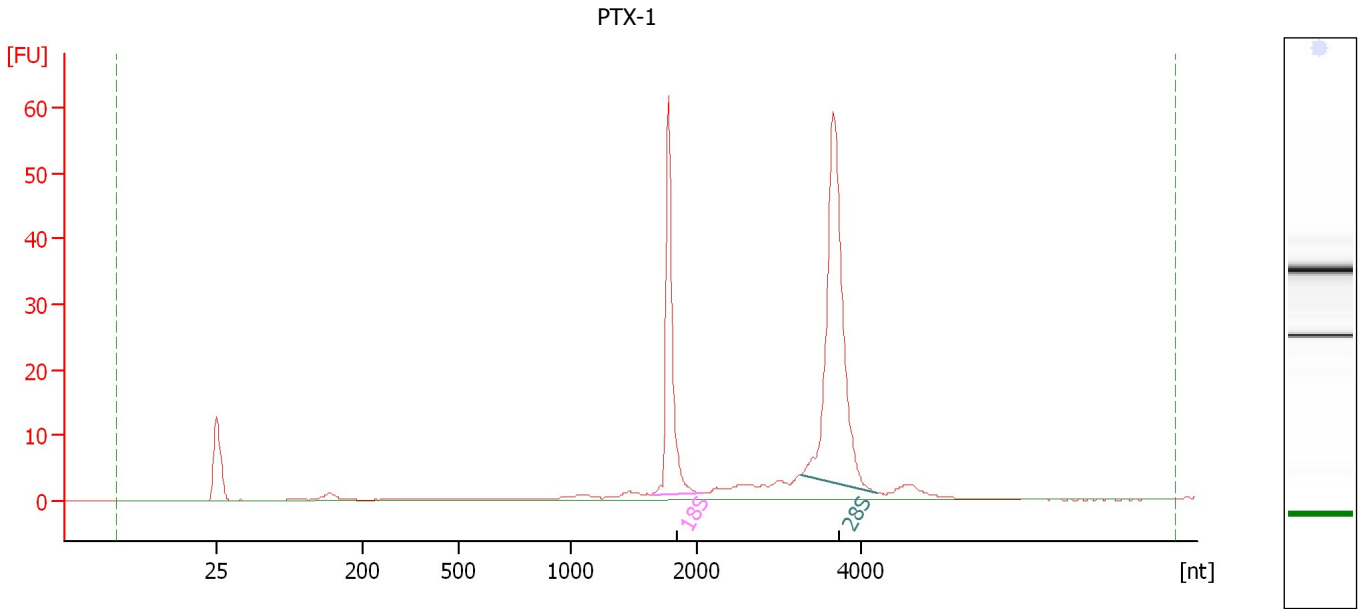
Fragment table for sample 6 : LLS-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	2,091	50.5	24.4
28S	3,134	4,242	92.5	44.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PTX-1

RNA Area:	203.2	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	214 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.80

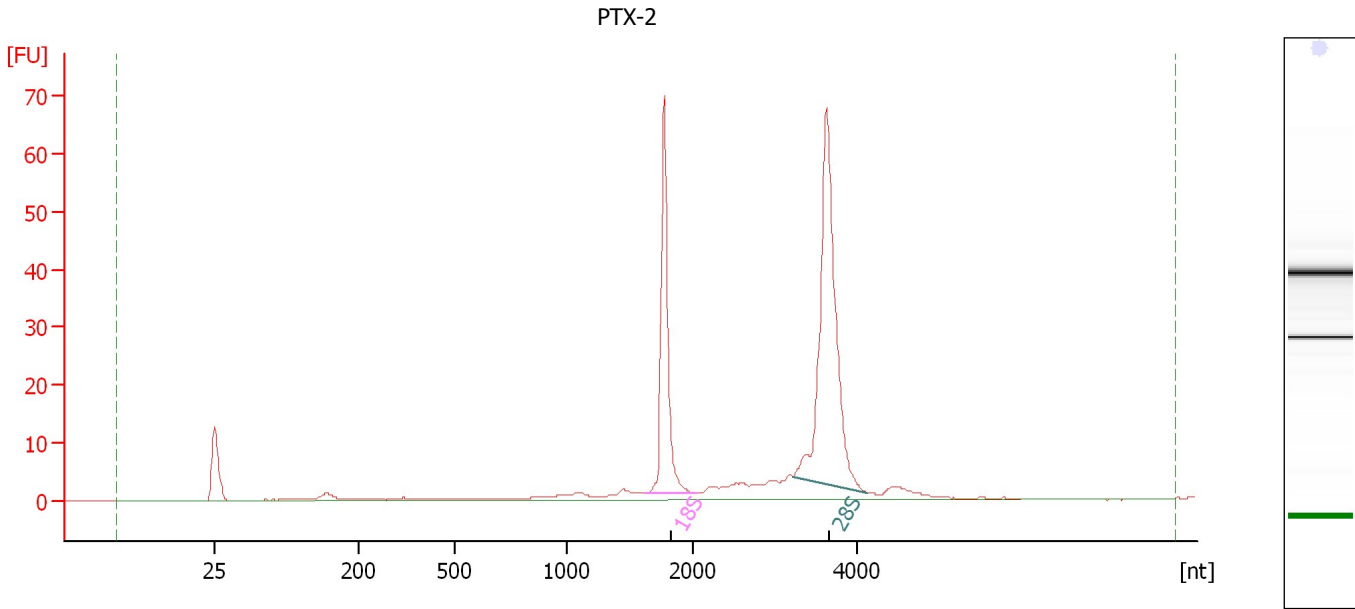
Fragment table for sample 7 : PTX-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,064	48.3	23.8
28S	3,266	4,193	90.6	44.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

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Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PTX-2

RNA Area:	232.2	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	245 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.70

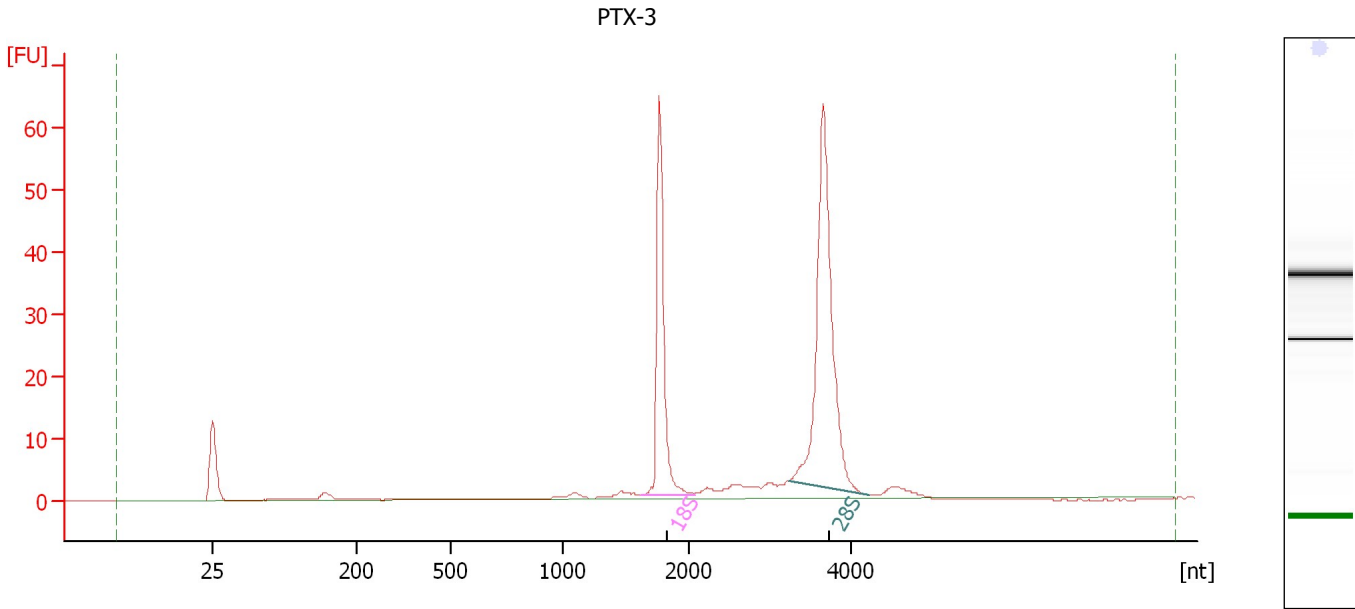
Fragment table for sample 8 : PTX-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	2,049	54.0	23.3
28S	3,230	4,135	102.0	43.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PTX-3

RNA Area:	195.9	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	207 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

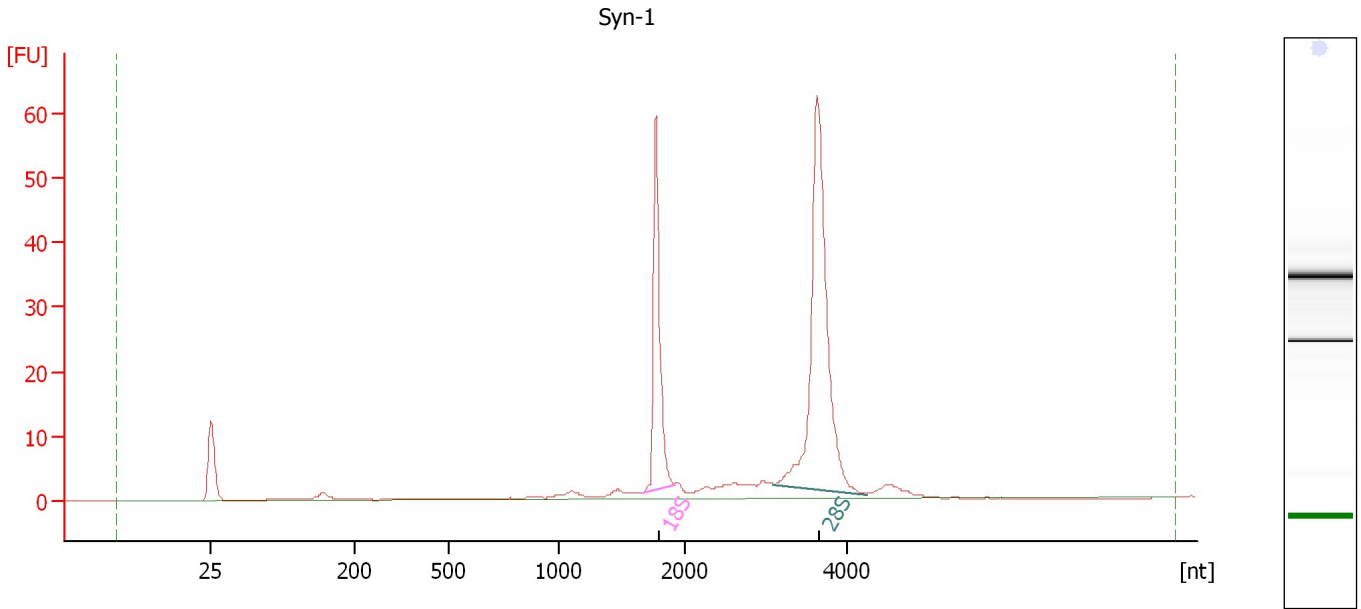
Fragment table for sample 9 : PTX-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	2,061	50.1	25.6
28S	3,233	4,221	92.5	47.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Syn-1

RNA Area: 201.6 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 213 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.80

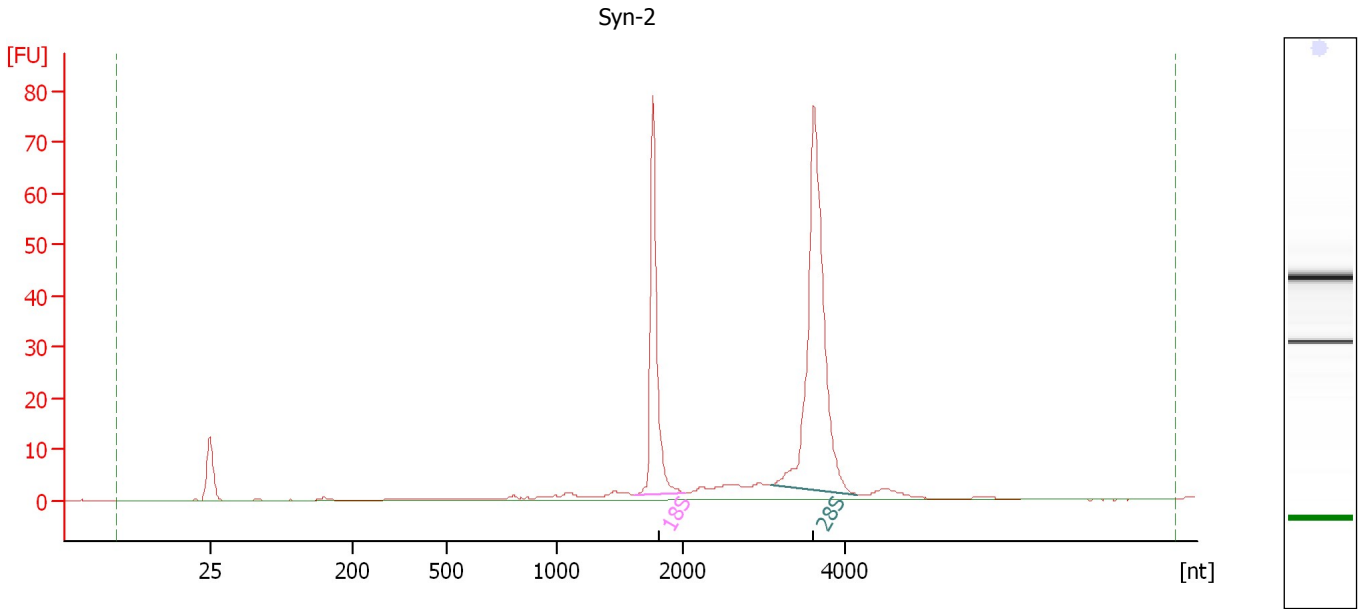
Fragment table for sample 10 : Syn-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	1,919	44.1	21.9
28S	3,091	4,241	96.3	47.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
 Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Syn-2

RNA Area:	248.0	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	262 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.80

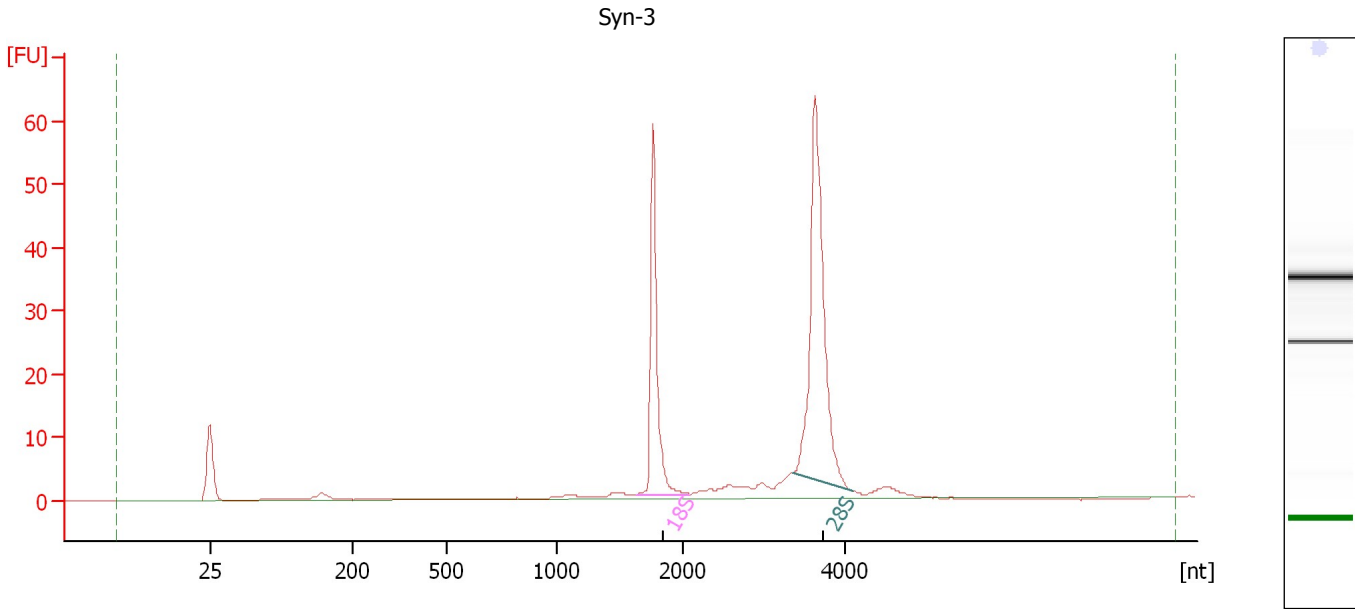
Fragment table for sample 11 : Syn-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,620	2,018	63.1	25.5
28S	3,092	4,166	121.6	49.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
 Modified: 5/11/2015 1:02:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Syn-3

RNA Area:	175.5	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	185 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

Fragment table for sample 12 : Syn-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	2,085	45.9	26.1
28S	3,370	4,113	82.1	46.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-11\2015-05-11_002.xad

Created: 5/11/2015 12:38:42 PM
Modified: 5/11/2015 1:02:33 PM

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