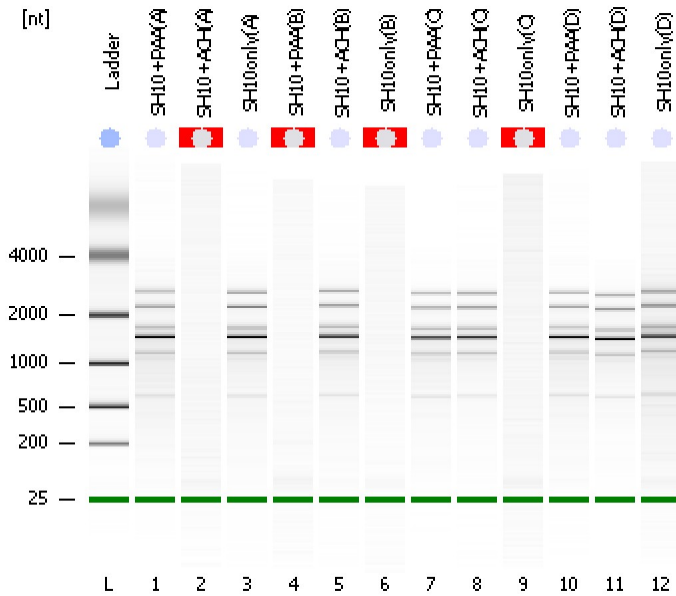


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electrophoresis File Run Summary



Instrument Information:

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

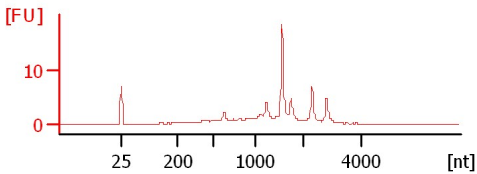
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

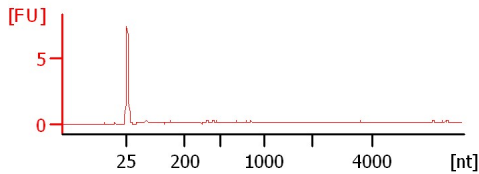
Chip Information:

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

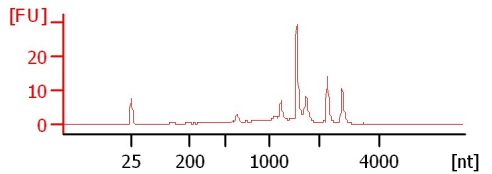
SH10+PAA(A)
RIN: 6.30



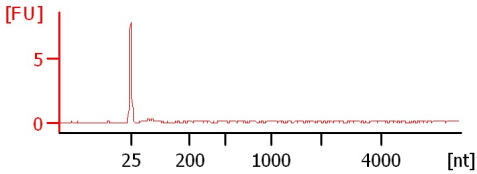
SH10+ACH(A)
RIN N/A



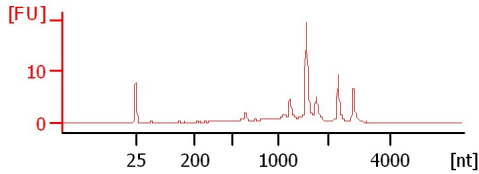
SH10only(A)
RIN: 6.50



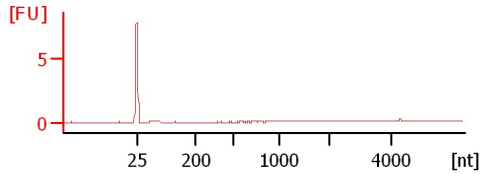
SH10+PAA(B)
RIN N/A



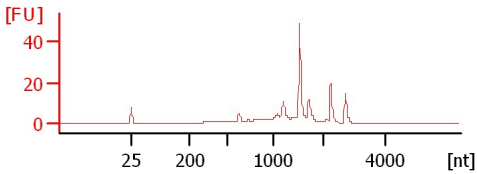
SH10+ACH(B)
RIN: 6.70



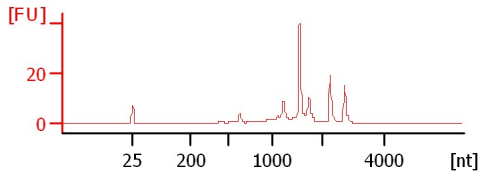
SH10only(B)
RIN N/A



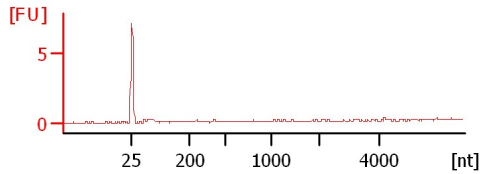
SH10+PAA(C)
RIN: 6.40



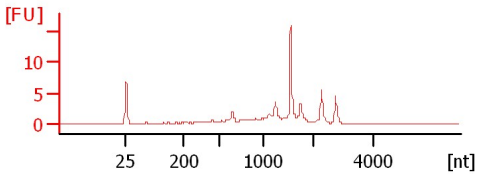
SH10+ACH(C)
RIN: 6.90



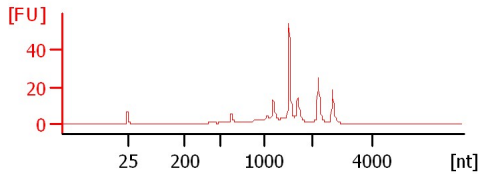
SH10only(C)
RIN N/A



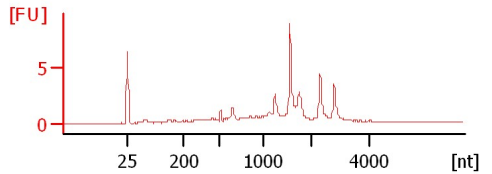
SH10+PAA(D)
RIN: 6.40



SH10+ACH(D)
RIN: 6.60



SH10only(D)
RIN: 6.50



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
SH10+PAA(A)		✓	RIN: 6.30	
SH10+ACH(A)		✓	RIN N/A	
SH10only(A)		✓	RIN: 6.50	
SH10+PAA(B)		✓	RIN N/A	
SH10+ACH(B)		✓	RIN: 6.70	
SH10only(B)		✓	RIN N/A	
SH10+PAA(C)		✓	RIN: 6.40	
SH10+ACH(C)		✓	RIN: 6.90	
SH10only(C)		✓	RIN N/A	
SH10+PAA(D)		✓	RIN: 6.40	
SH10+ACH(D)		✓	RIN: 6.60	
SH10only(D)		✓	RIN: 6.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 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

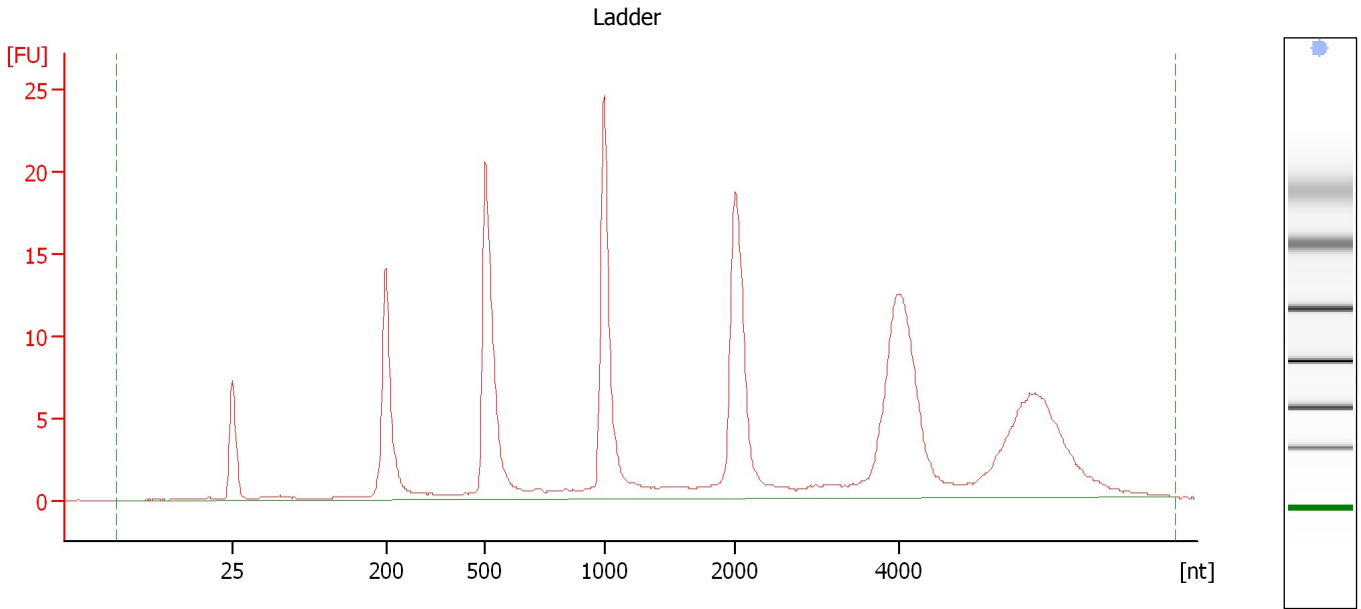
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary



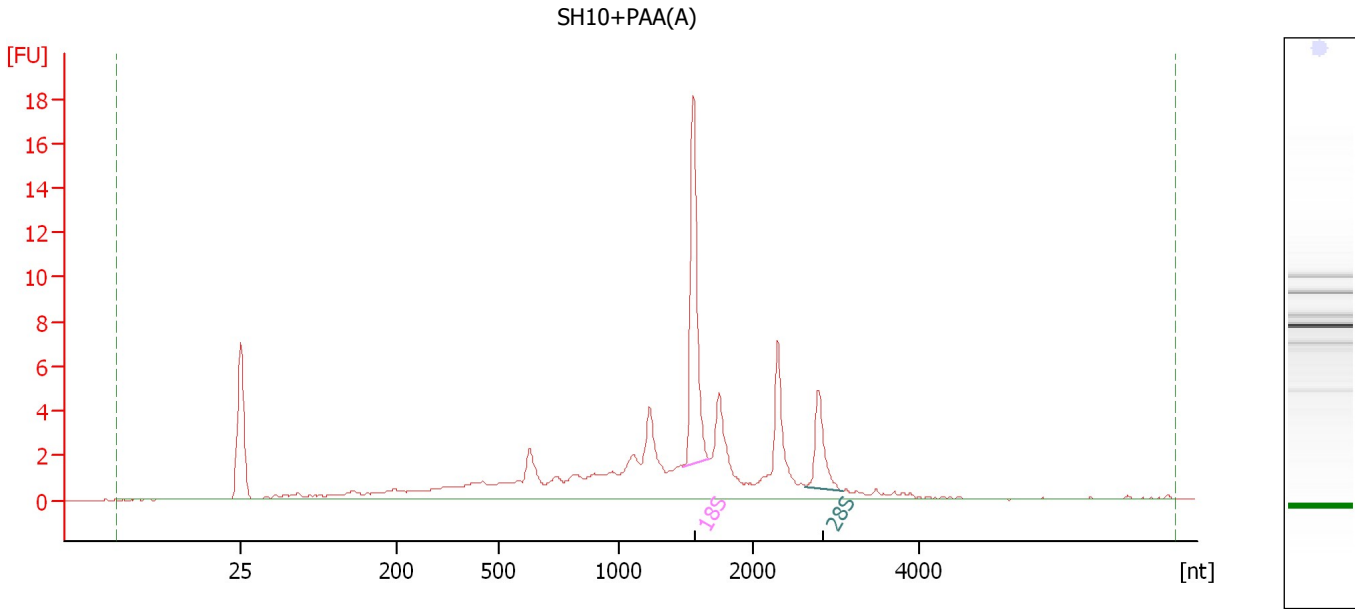
Overall Results for Ladder

RNA Area:	212.5	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\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SH10+PAA(A)

RNA Area: 79.4 RNA Integrity Number (RIN): 6.3 (B.02.08)
RNA Concentration: 56 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 6.30

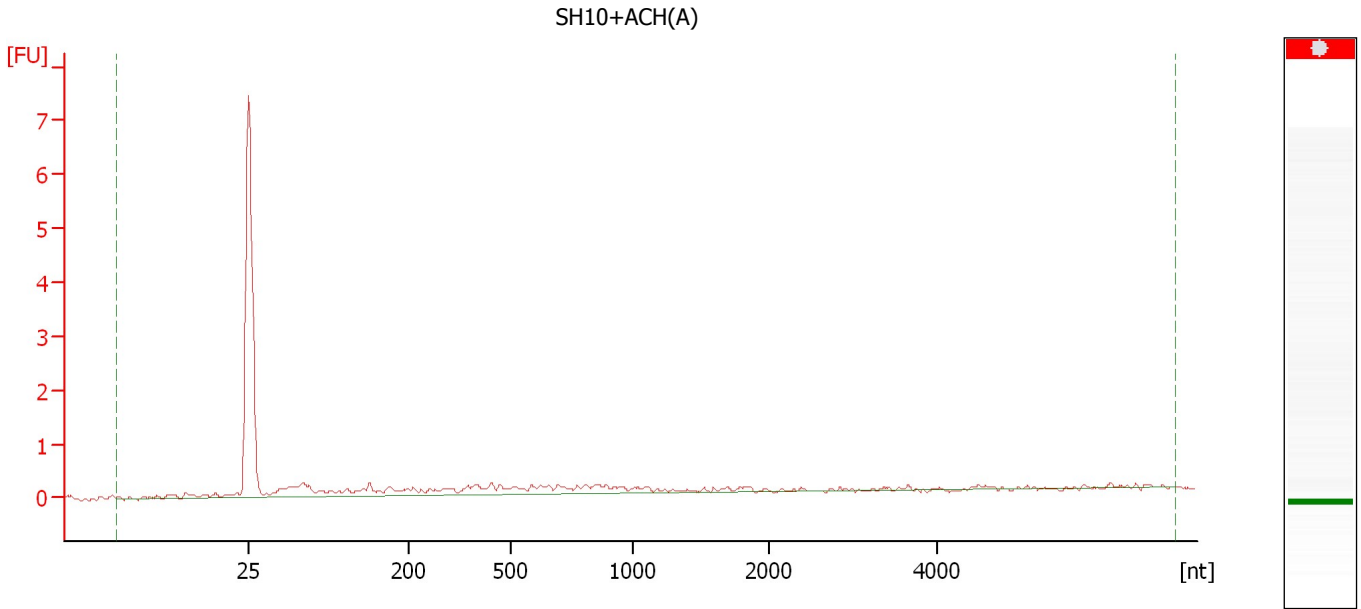
Fragment table for sample 1 : SH10+PAA(A)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,475	1,675	12.2	15.3
28S	2,635	3,086	3.9	4.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



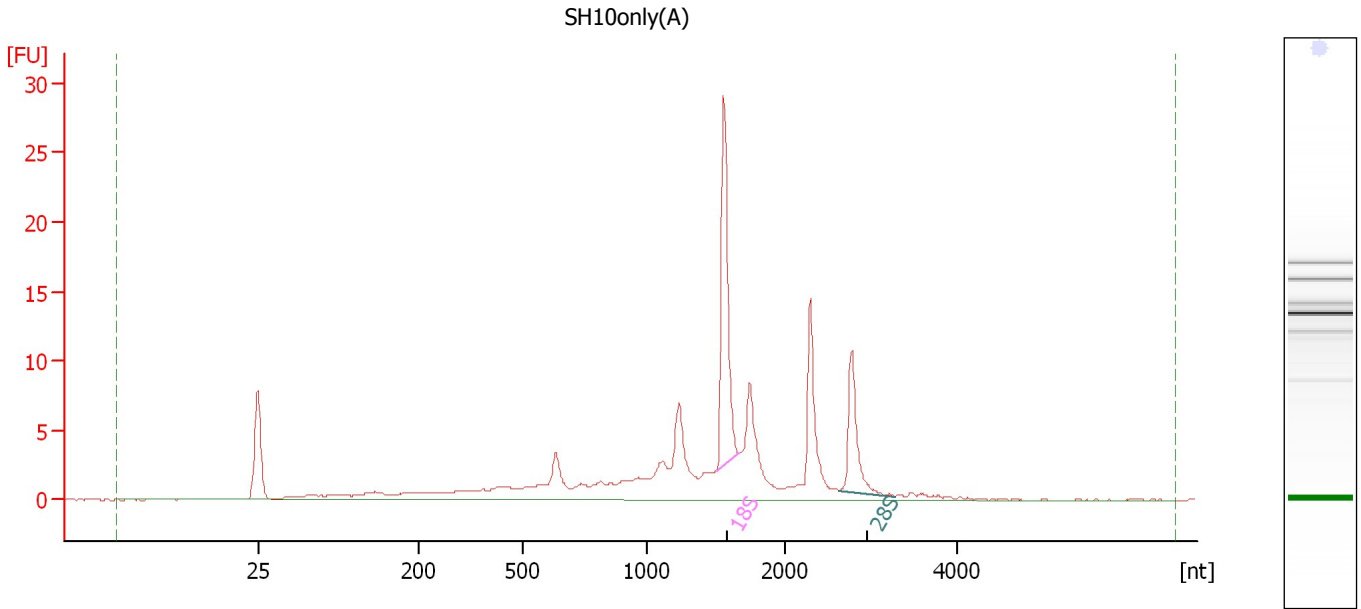
Overall Results for sample 2 : SH10+ACH(A)

RNA Area:	6.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 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:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SH10only(A)

RNA Area:	118.3	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	84 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.50

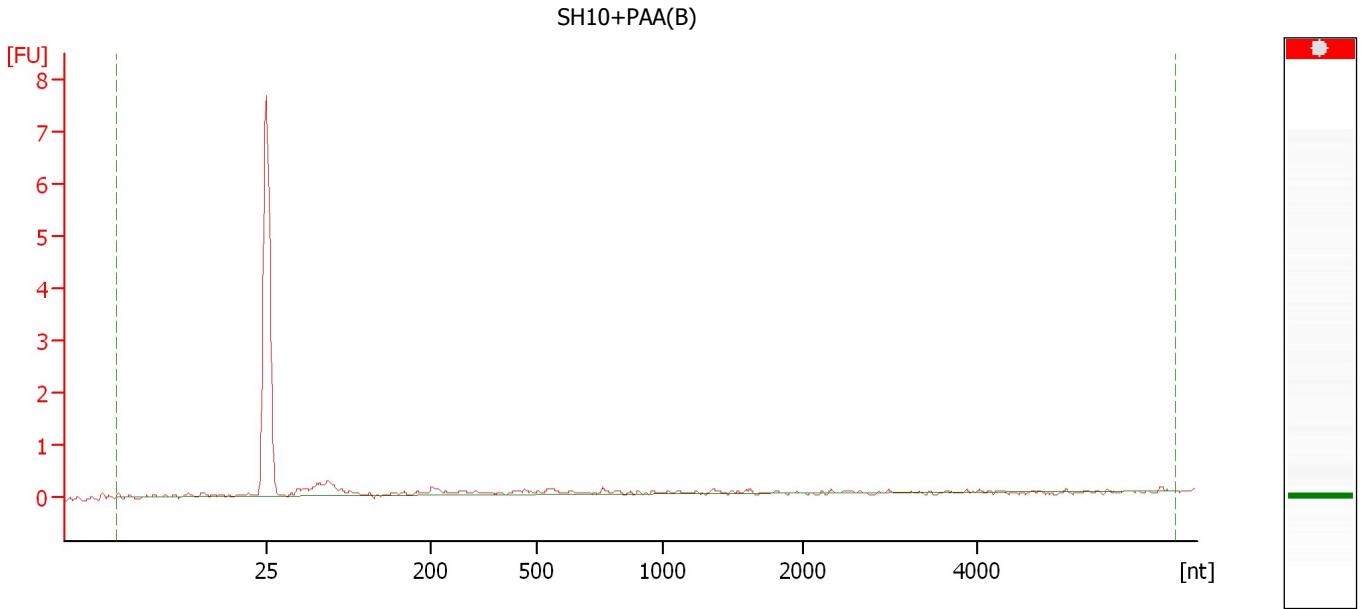
Fragment table for sample 3 : SH10only(A)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,498	1,661	18.5	15.6
28S	2,627	3,288	8.2	7.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



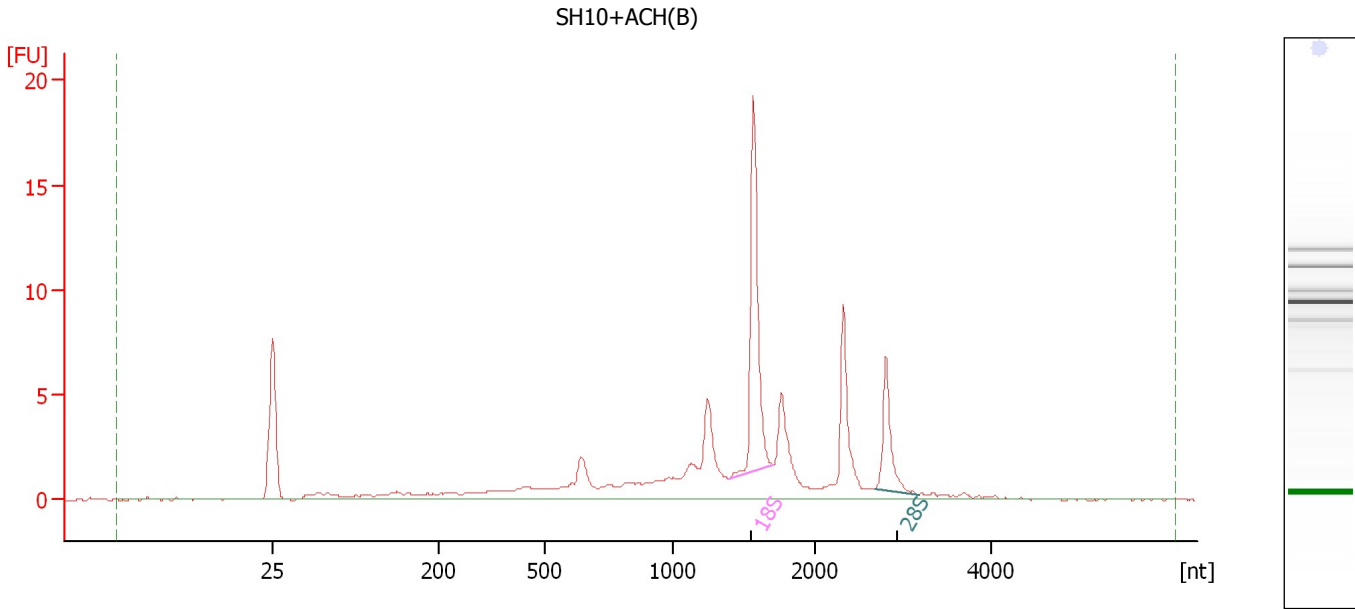
Overall Results for sample 4 : SH10+PAA(B)

RNA Area:	3.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SH10+ACH(B)

RNA Area: 73.0 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 6.70

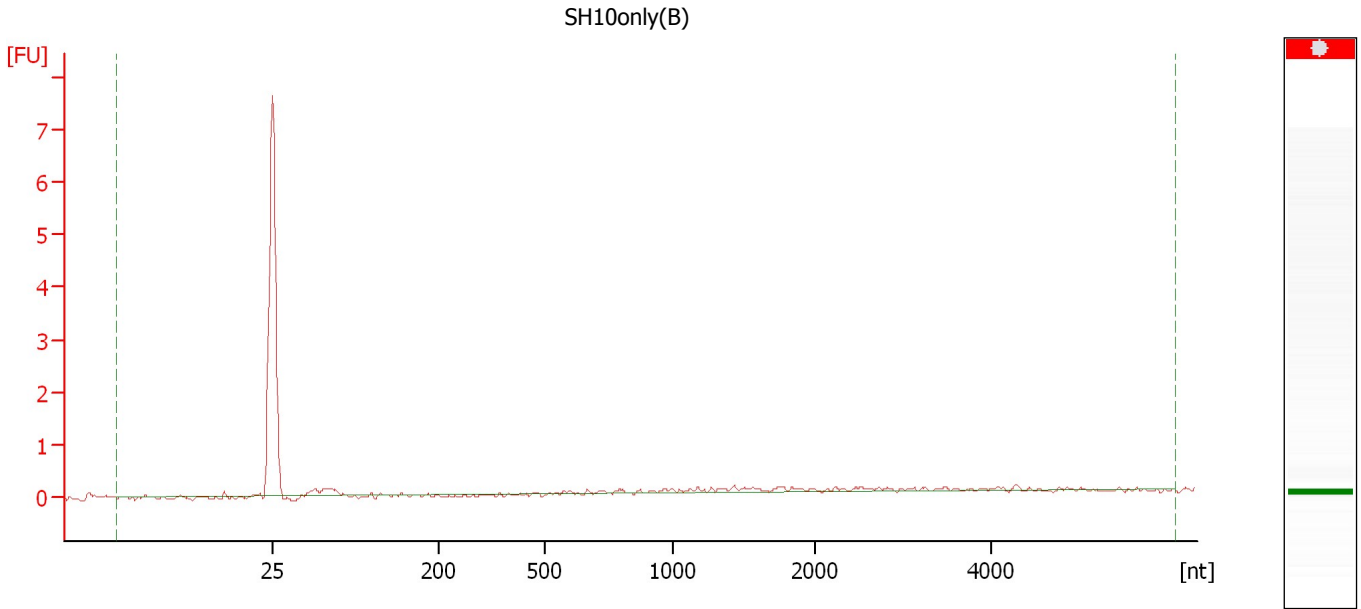
Fragment table for sample 5 : SH10+ACH(B)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,388	1,705	13.3	18.3
28S	2,693	3,178	4.9	6.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



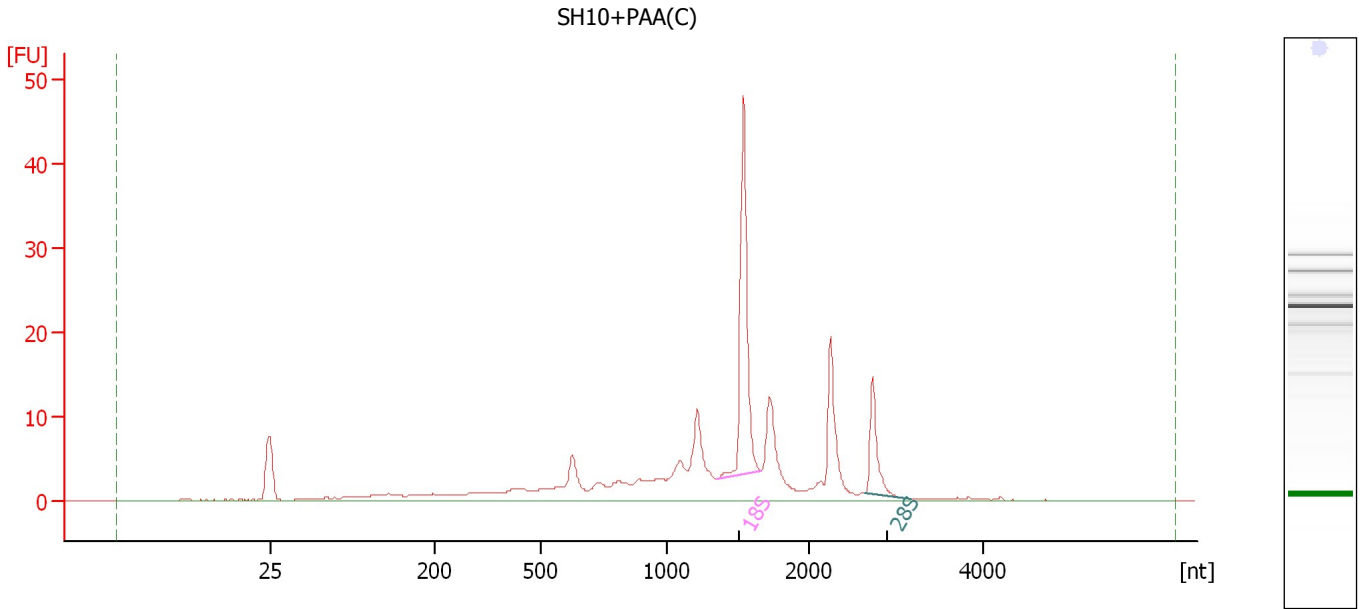
Overall Results for sample 6 : SH10only(B)

RNA Area:	2.3	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:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SH10+PAA(C)

RNA Area:	172.4	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	122 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.40

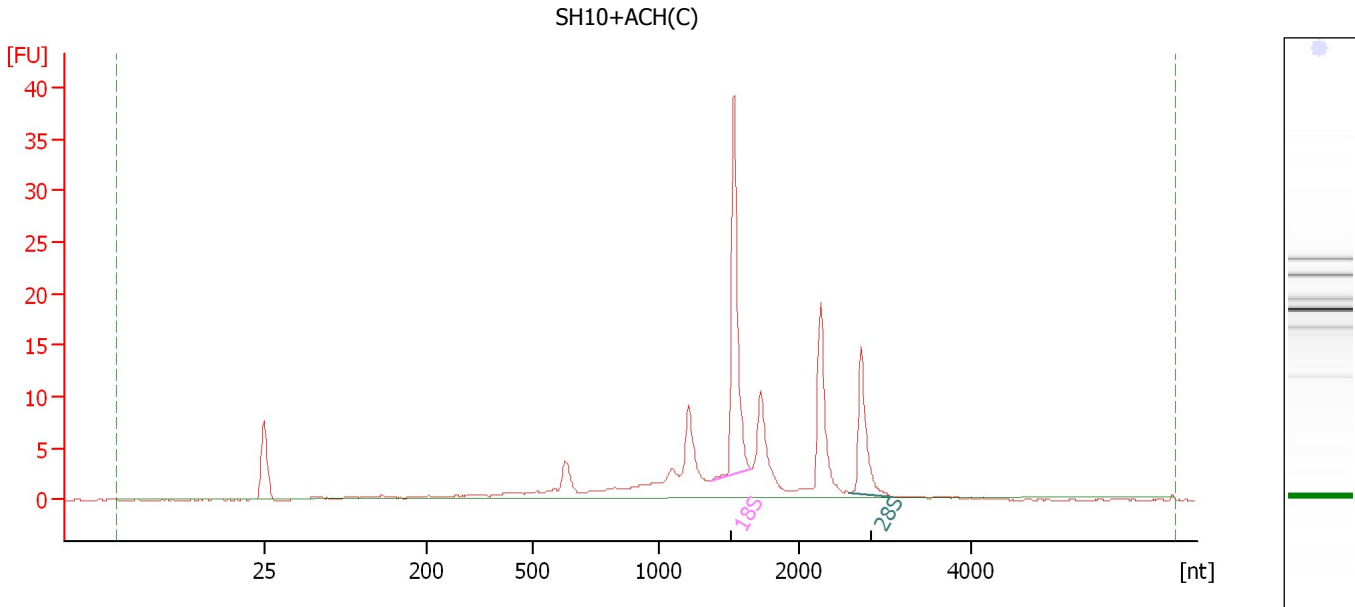
Fragment table for sample 7 : SH10+PAA(C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,353	1,657	32.0	18.6
28S	2,646	3,171	9.9	5.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SH10+ACH(C)

RNA Area: 111.7 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 79 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 6.90

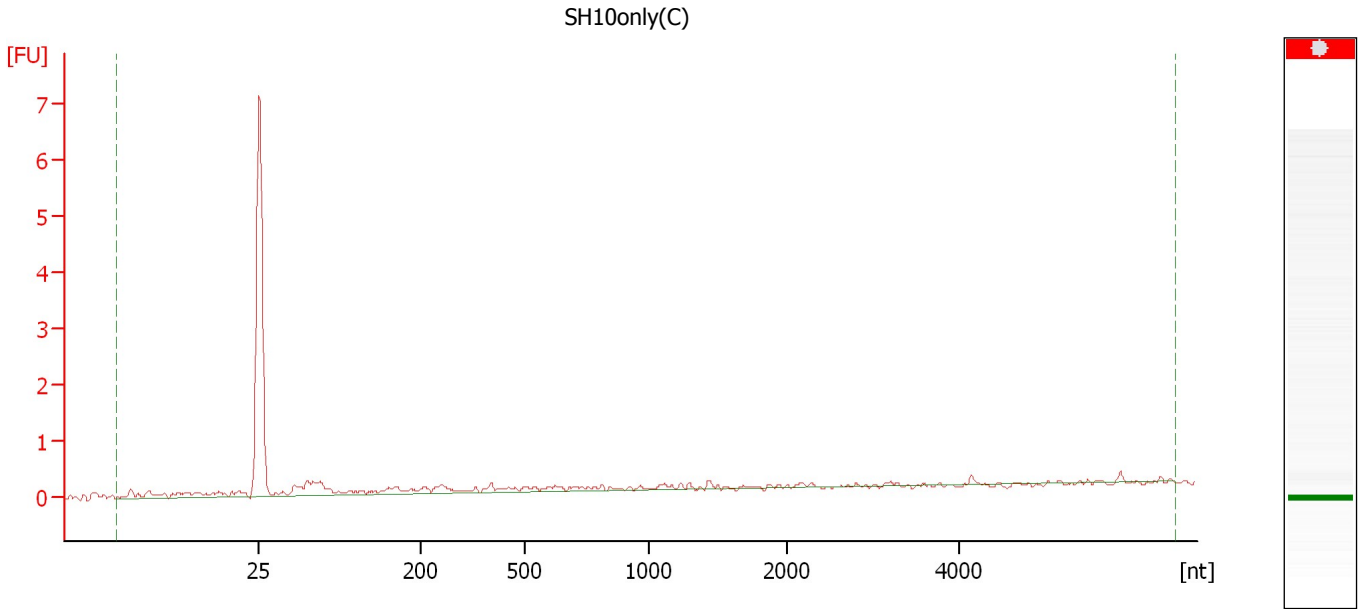
Fragment table for sample 8 : SH10+ACH(C)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,368	1,667	26.0	23.3
28S	2,599	3,092	10.6	9.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



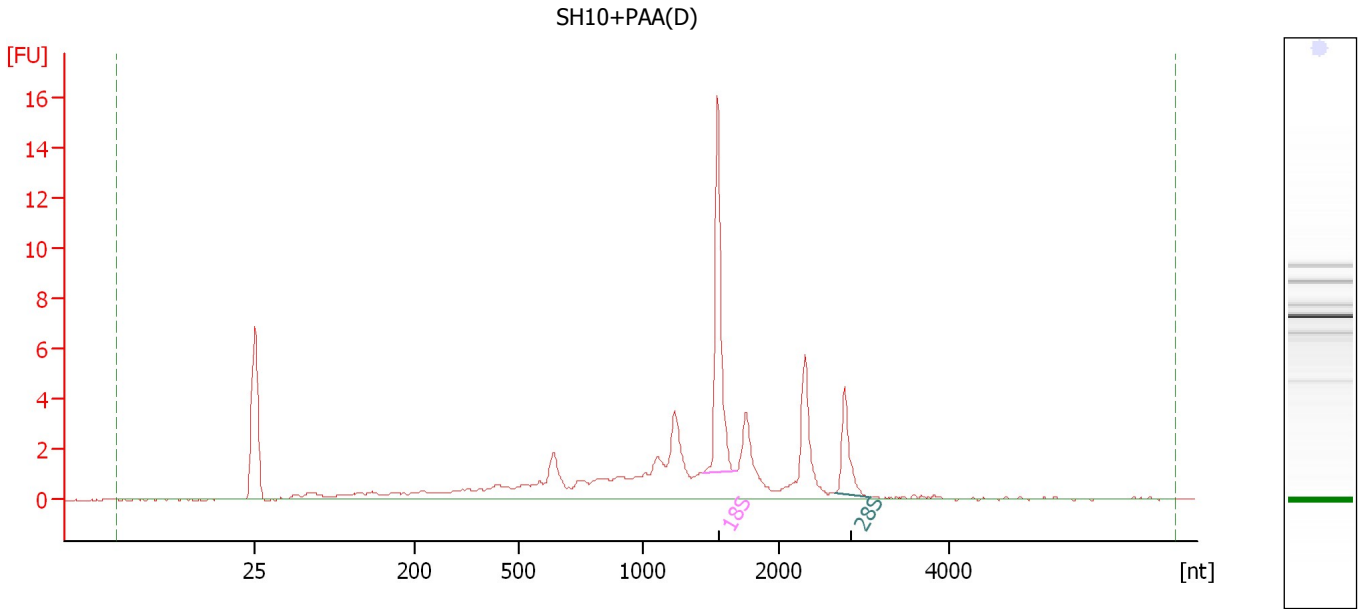
Overall Results for sample 9 : SH10only(C)

RNA Area:	7.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 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:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
 Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SH10+PAA(D)

RNA Area:	57.8	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	41 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.40

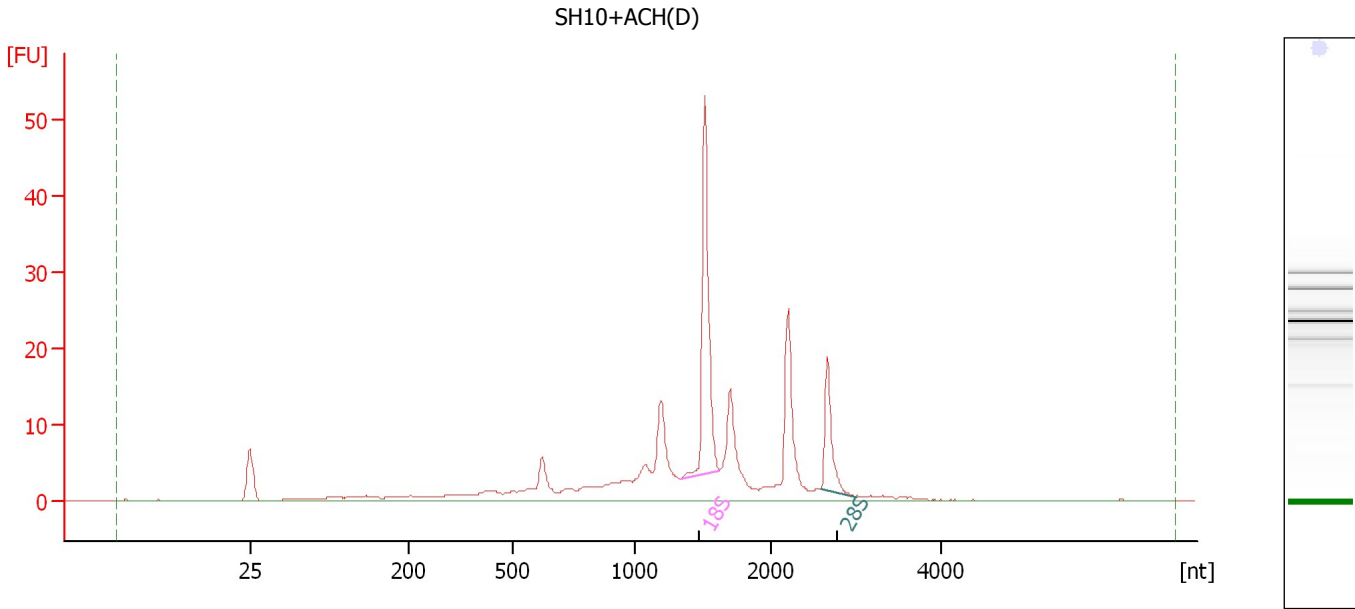
Fragment table for sample 10 : SH10+PAA(D)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,439	1,689	10.5	18.1
28S	2,653	3,055	3.3	5.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SH10+ACH(D)

RNA Area:	190.9	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	135 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.60

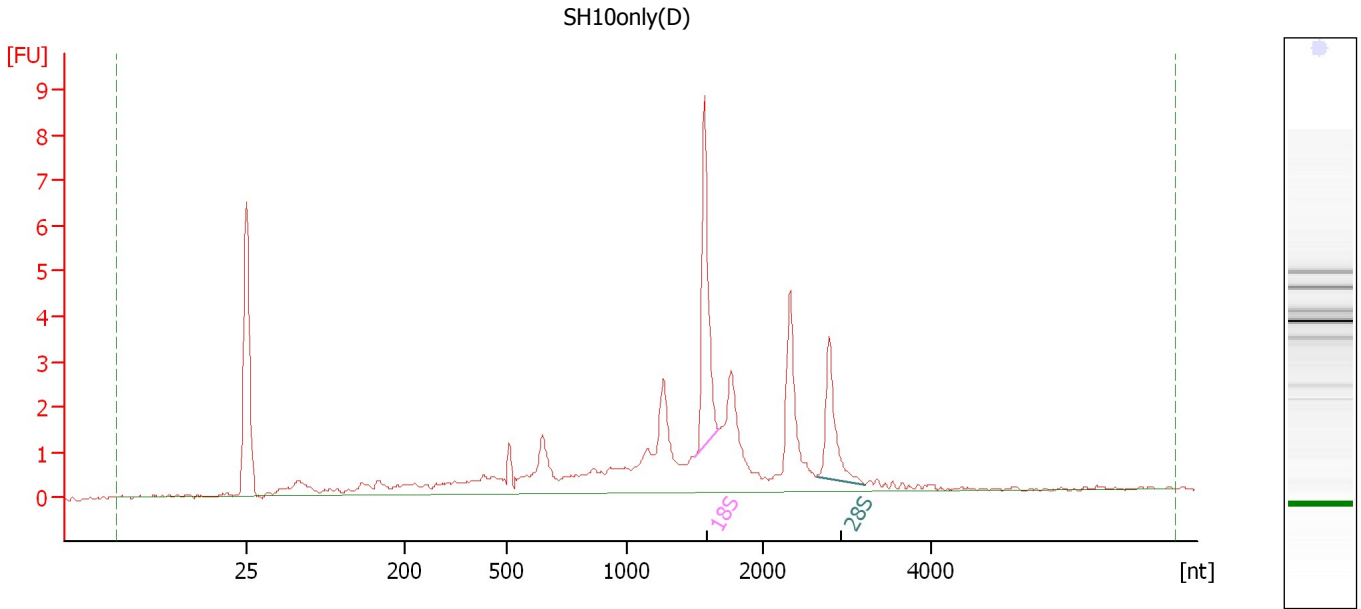
Fragment table for sample 11 : SH10+ACH(D)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,331	1,622	35.7	18.7
28S	2,580	2,984	12.2	6.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : SH10only(D)

RNA Area: 44.4 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 31 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 6.50

Fragment table for sample 12 : SH10only(D)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,498	1,672	5.5	12.4
28S	2,645	3,219	2.9	6.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-22\2015-05-22_002.xad

Created: 5/22/2015 11:52:16 AM
Modified: 5/22/2015 12:16:09 PM

Gel Image

