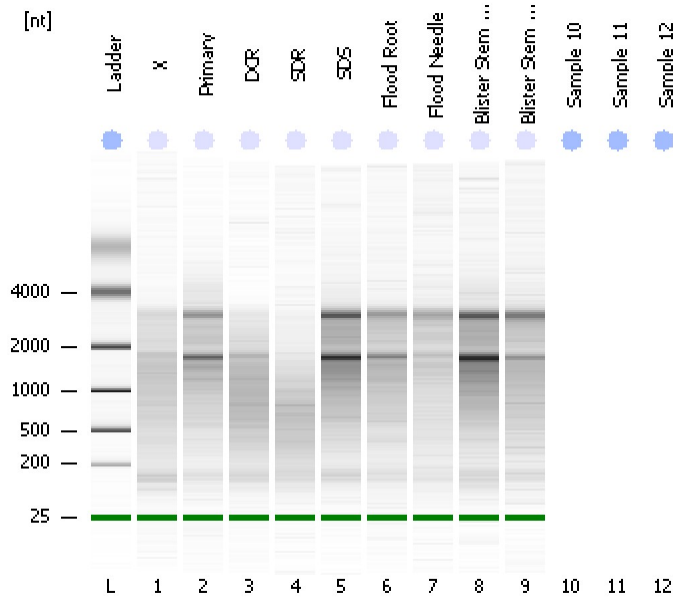


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electrophoresis File Run Summary



Instrument Information:

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

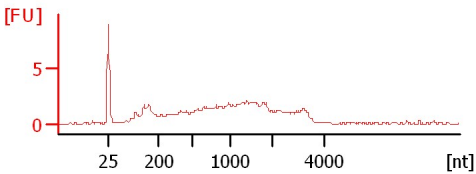
Assay Information:

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.

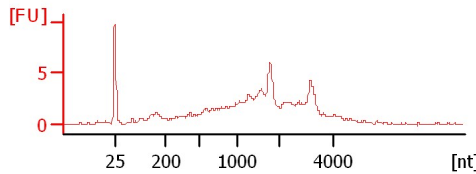
Chip Information:

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

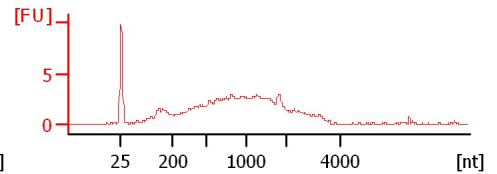
X
re-run
RIN: 2.30



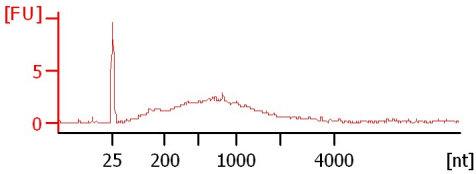
Primary
re-run
RIN: 5.60



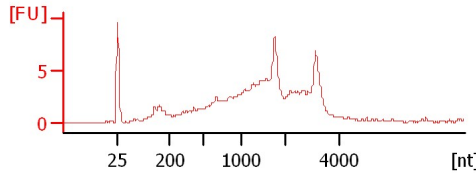
DCR
re-run
RIN: 3.20



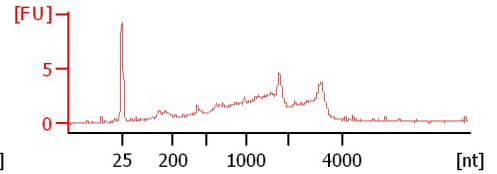
SDR
re-run
RIN: 2.50



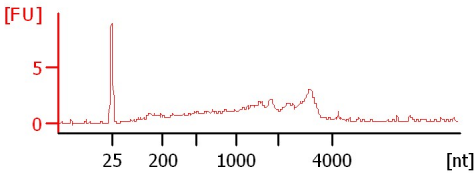
SDS
re-run
RIN: 5.20



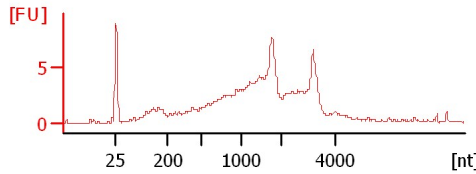
Flood Root
re-run
RIN: 5



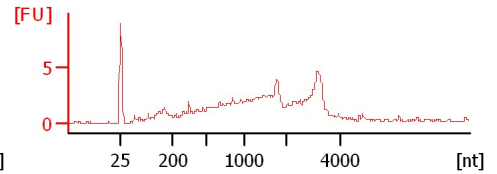
Flood Needle
RIN: 4.10



Blister Stem Sucept
RIN: 5.60



Blister Stem Resist
RIN: 4.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
X	re-run	✓	RIN: 2.30	
Primary	re-run	✓	RIN: 5.60	
DCR	re-run	✓	RIN: 3.20	
SDR	re-run	✓	RIN: 2.50	
SDS	re-run	✓	RIN: 5.20	
Flood Root	re-run	✓	RIN:5	
Flood Needle		✓	RIN: 4.10	
Blister Stem Sucept		✓	RIN: 5.60	
Blister Stem Resist		✓	RIN: 4.90	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 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

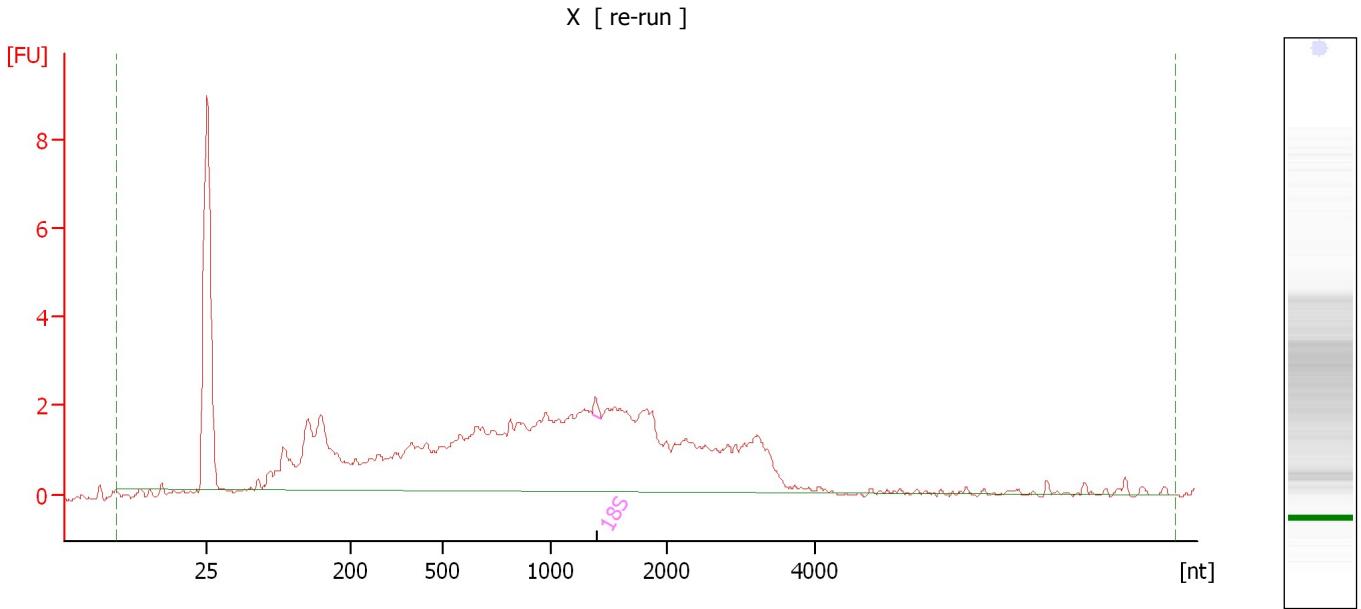
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary



Overall Results for sample 1 : X

RNA Area: 74.5 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 64 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.30

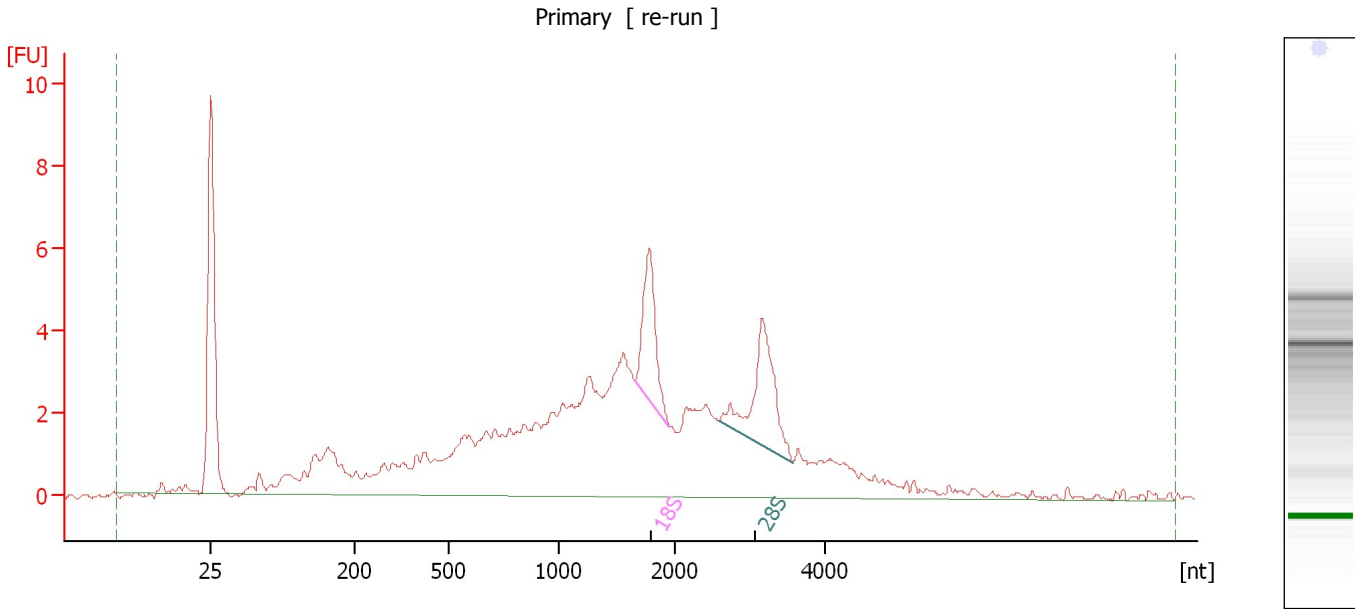
Fragment table for sample 1 : X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,358	1,432	0.2	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Primary

RNA Area: 112.6 RNA Integrity Number (RIN): 5.6 (B.02.08)
RNA Concentration: 96 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 5.60

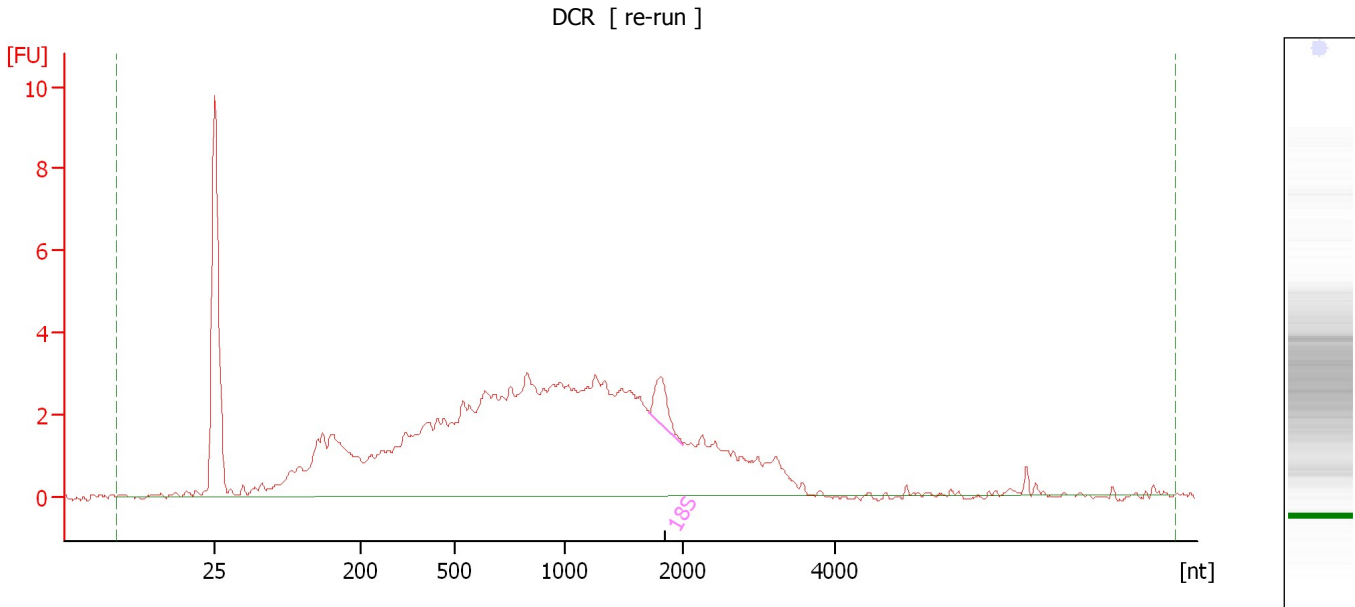
Fragment table for sample 2 : Primary

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	1,951	5.5	4.9
28S	2,580	3,565	7.0	6.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DCR

RNA Area:	112.0	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	96 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

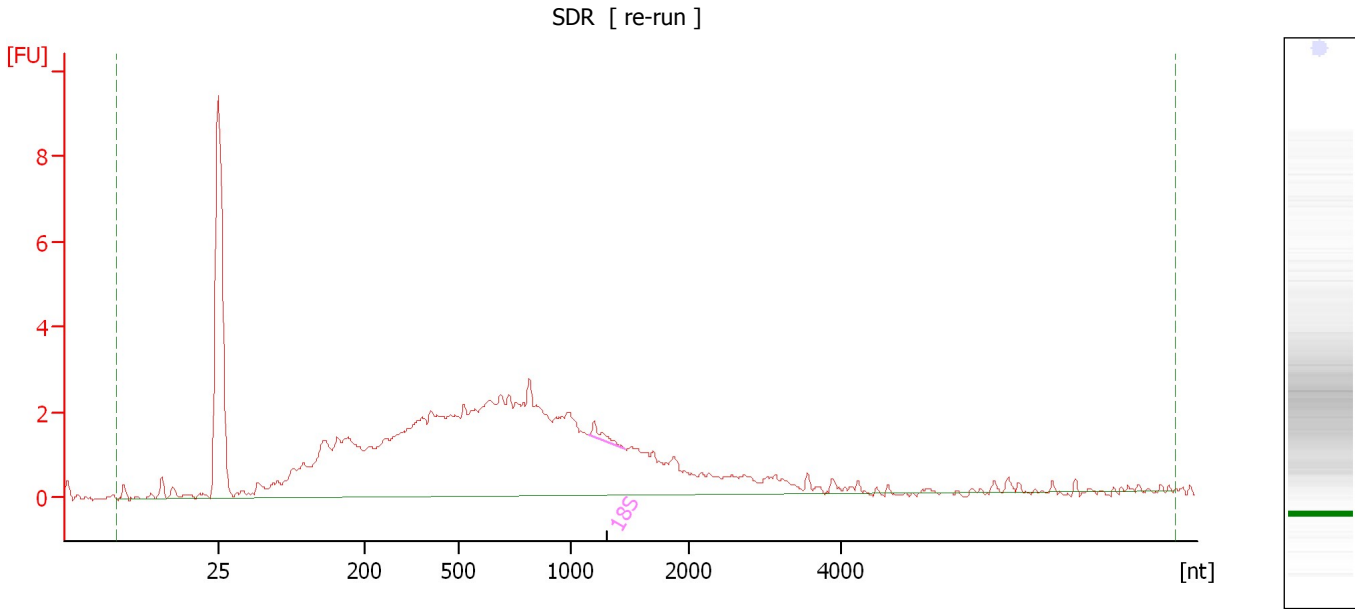
Fragment table for sample 3 : DCR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,990	1.7	1.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SDR

RNA Area:	85.7	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

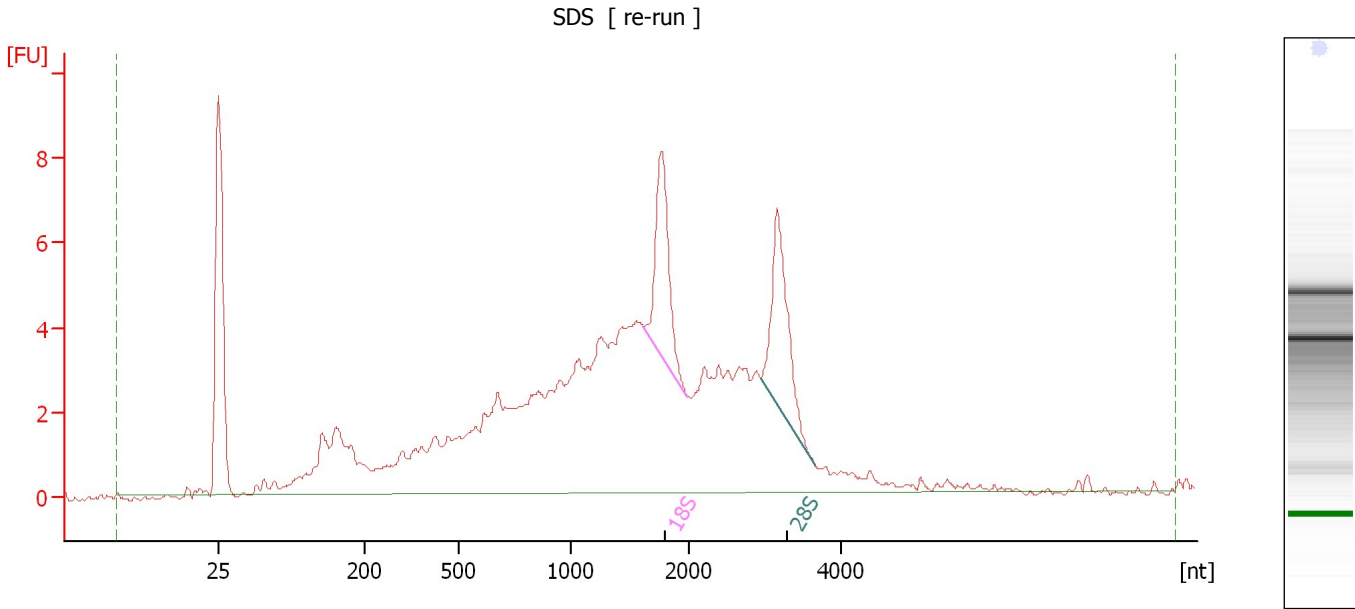
Fragment table for sample 4 : SDR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,157	1,453	0.5	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SDS

RNA Area: 142.0 RNA Integrity Number (RIN): 5.2 (B.02.08)
RNA Concentration: 121 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 5.20

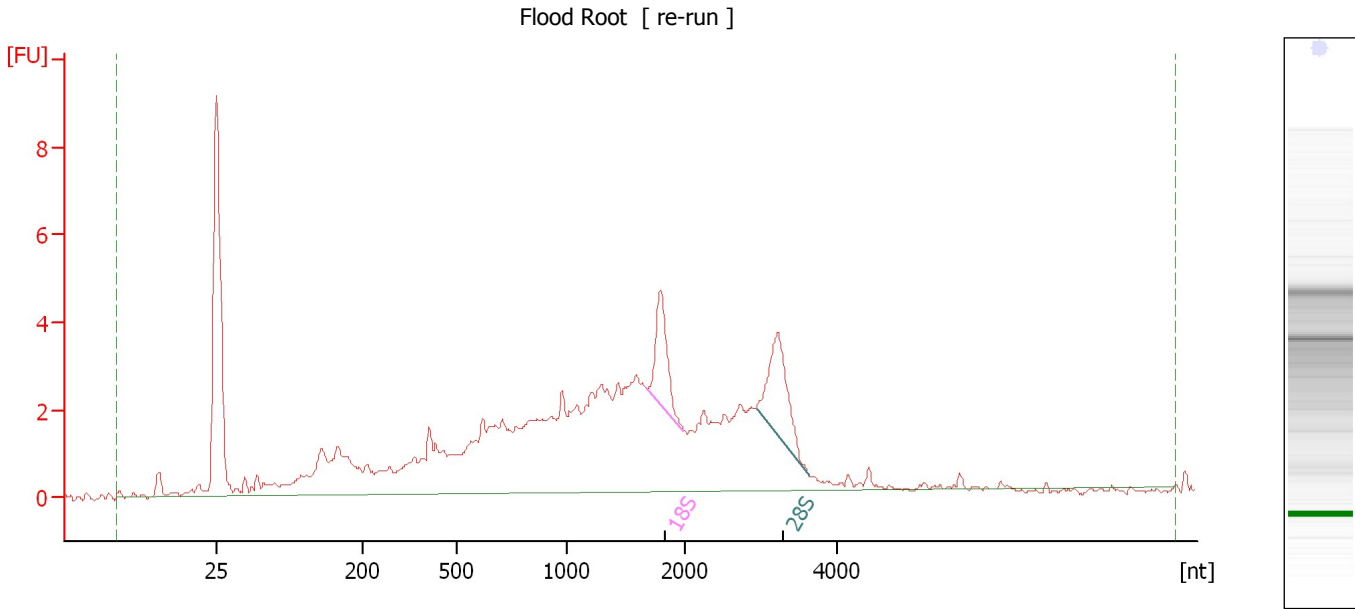
Fragment table for sample 5 : SDS

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,984	7.5	5.3
28S	2,946	3,650	7.9	5.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : Flood Root

RNA Area: 95.1 RNA Integrity Number (RIN): 5 (B.02.08)
RNA Concentration: 81 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:5

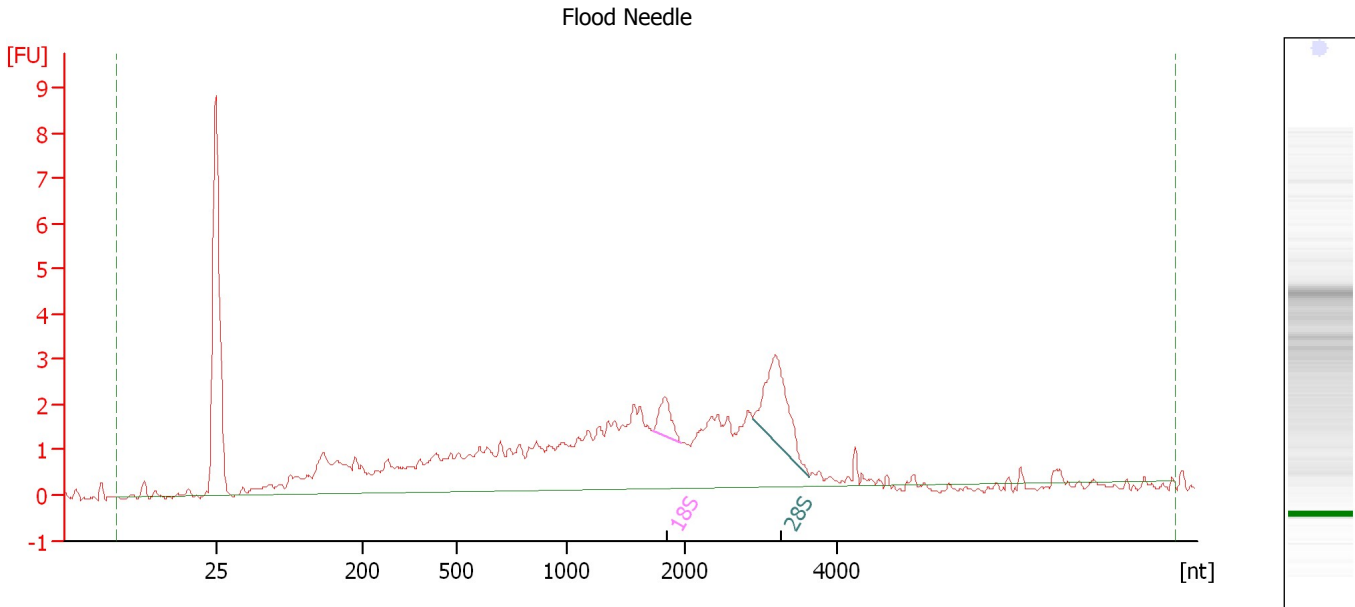
Fragment table for sample 6 : Flood Root

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,982	3.5	3.6
28S	2,934	3,626	4.8	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : Flood Needle

RNA Area: 65.7 RNA Integrity Number (RIN): 4.1 (B.02.08)
RNA Concentration: 56 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.6 Result Flagging Label: RIN: 4.10

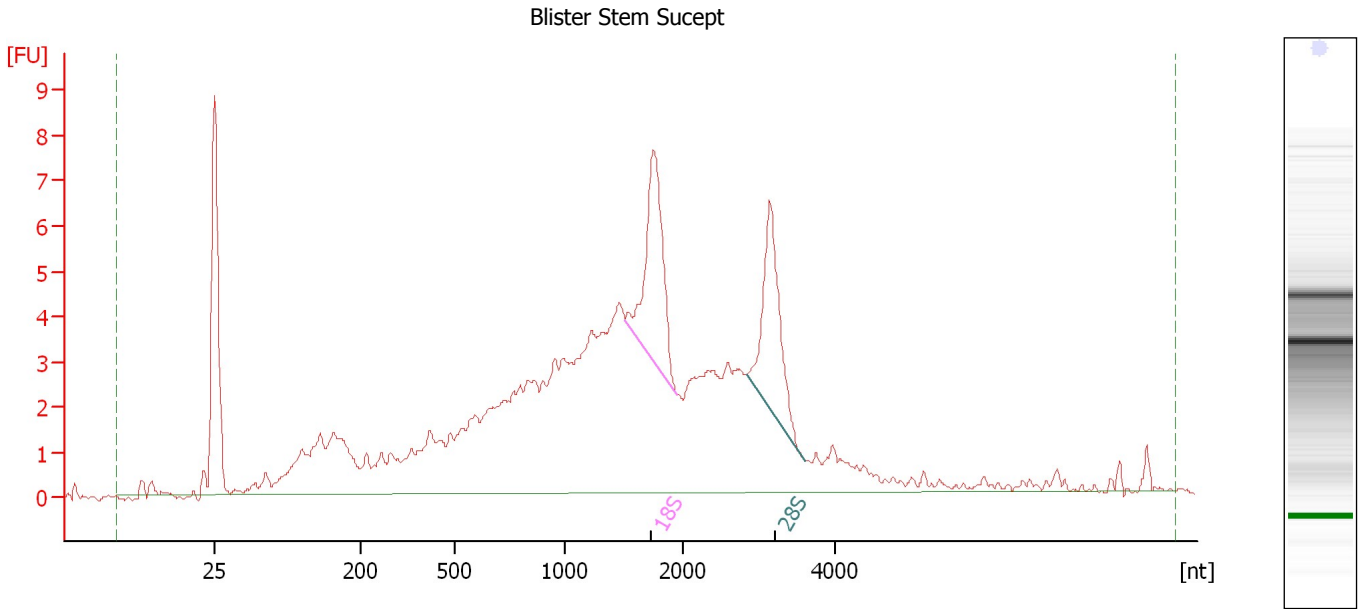
Fragment table for sample 7 : Flood Needle

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	1,955	1.3	1.9
28S	2,891	3,640	4.5	6.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Blister Stem Sucept

RNA Area:	147.7	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	126 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.60

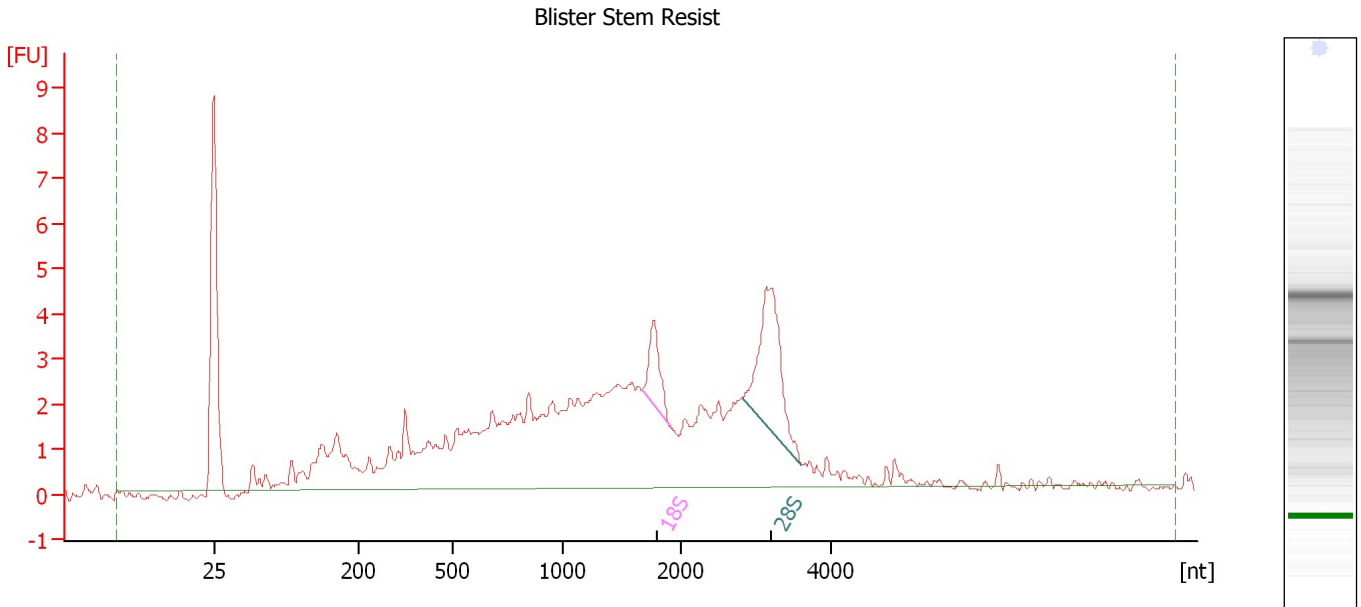
Fragment table for sample 8 : Blister Stem Sucept

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,511	1,945	9.6	6.5
28S	2,835	3,600	8.2	5.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
 Modified: 6/26/2014 12:01:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Blister Stem Resist

RNA Area:	96.0	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	82 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN: 4.90

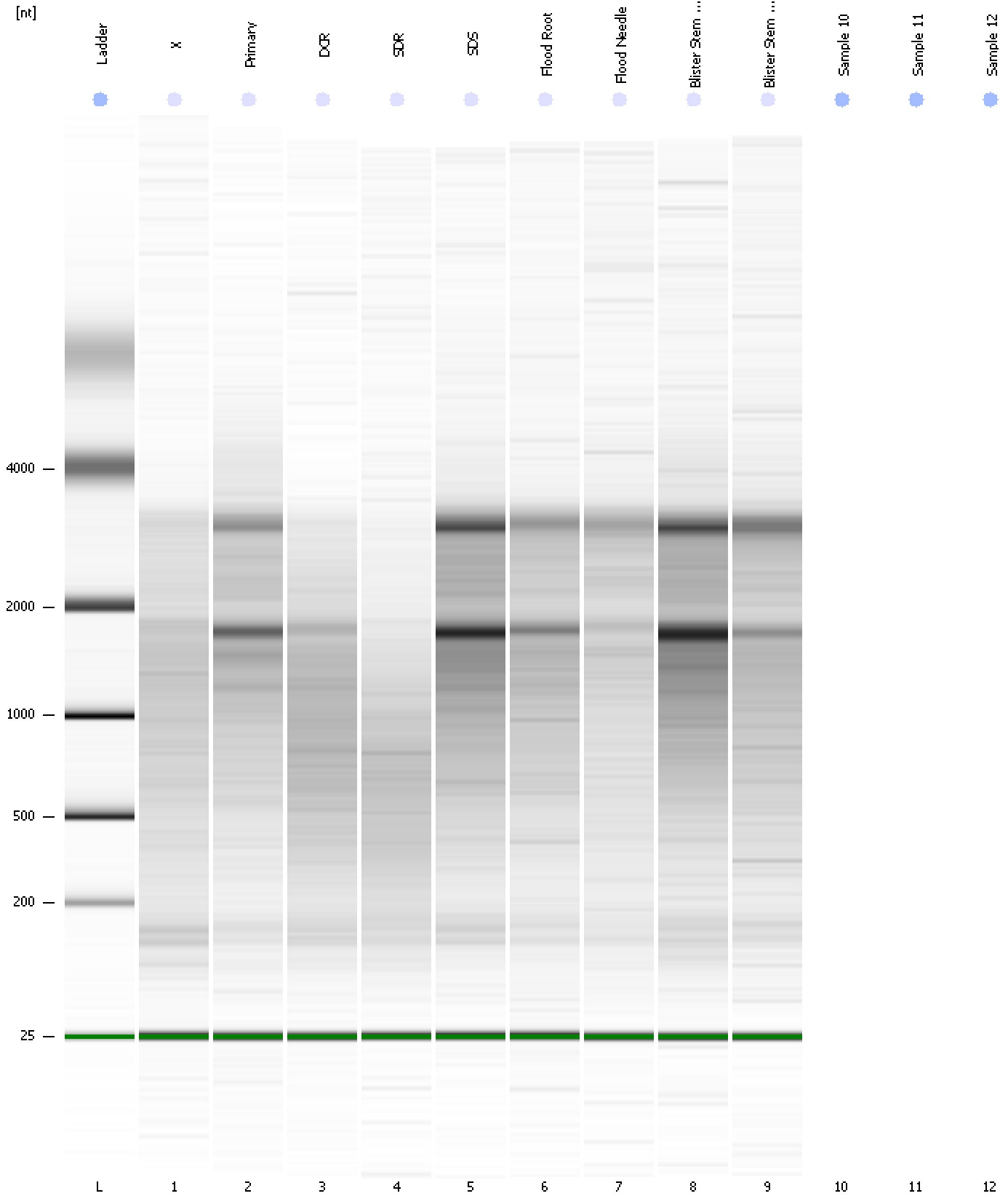
Fragment table for sample 9 : Blister Stem Resist

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	1,908	2.5	2.6
28S	2,821	3,602	7.3	7.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-26\2014-06-26_004.xad

Created: 6/26/2014 11:40:01 AM
Modified: 6/26/2014 12:01:09 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.