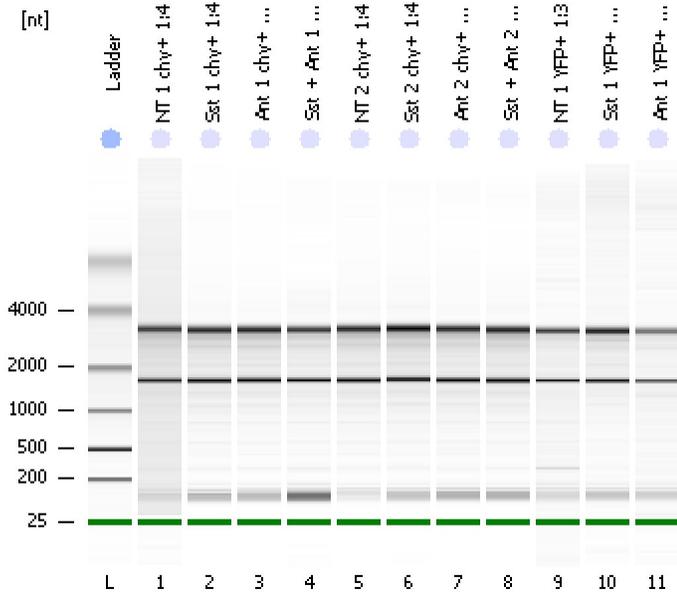


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

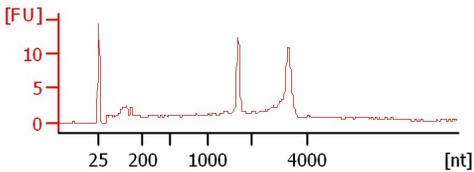
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

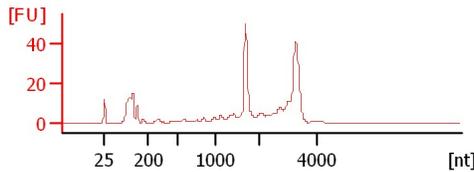
Chip Information:

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

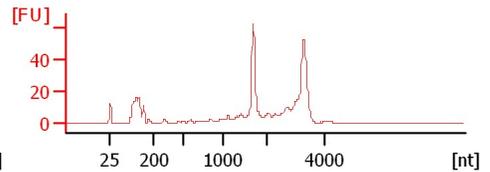
NT 1 chy+ 1:4
RIN: 7.60



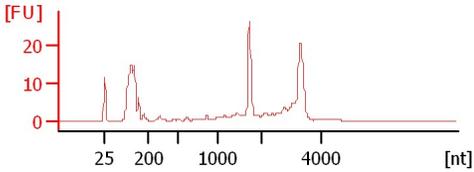
Sst 1 chy+ 1:4
RIN: 8.30



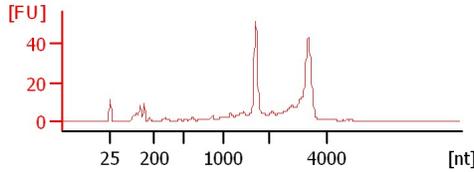
Ant 1 chy+ 1:4
RIN: 8.50



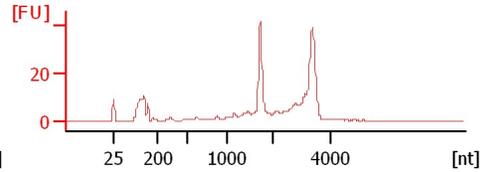
Sst + Ant 1 chy+ 1:4
RIN: 8.30



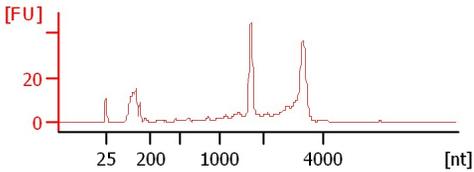
NT 2 chy+ 1:4
RIN: 8.40



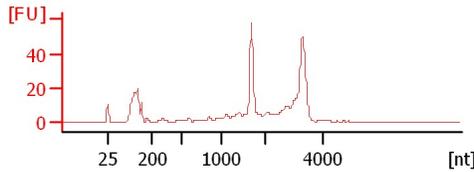
Sst 2 chy+ 1:4
RIN: 8.50



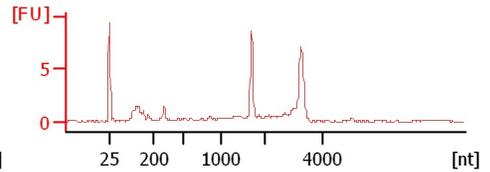
Ant 2 chy+ 1:4
RIN: 8.30



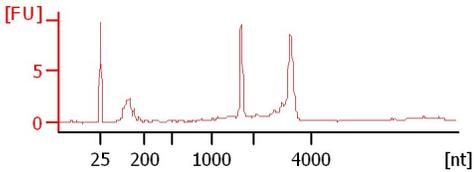
Sst + Ant 2 1:4
RIN: 8.30



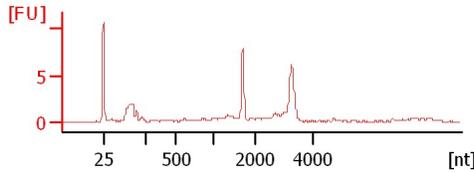
NT 1 YFP+ 1:3
RIN: 8.50



Sst 1 YFP+ 1:3
RIN: 9.30



Ant 1 YFP+ 1:3
RIN: 8.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
 Modified: 3/8/2019 2:59:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NT 1 chy+ 1:4		✓	RIN: 7.60	
Sst 1 chy+ 1:4		✓	RIN: 8.30	
Ant 1 chy+ 1:4		✓	RIN: 8.50	
Sst + Ant 1 chy+ 1:4		✓	RIN: 8.30	
NT 2 chy+ 1:4		✓	RIN: 8.40	
Sst 2 chy+ 1:4		✓	RIN: 8.50	
Ant 2 chy+ 1:4		✓	RIN: 8.30	
Sst + Ant 2 1:4		✓	RIN: 8.30	
NT 1 YFP+ 1:3		✓	RIN: 8.50	
Sst 1 YFP+ 1:3		✓	RIN: 9.30	
Ant 1 YFP+ 1:3		✓	RIN: 8.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

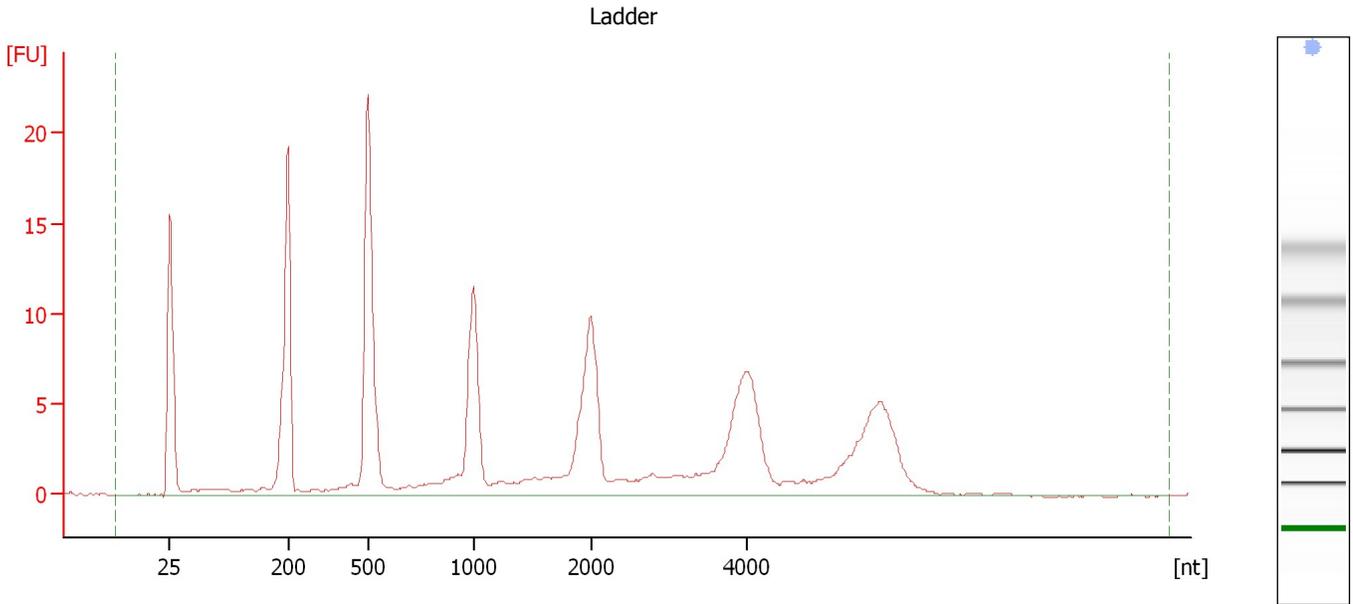
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary



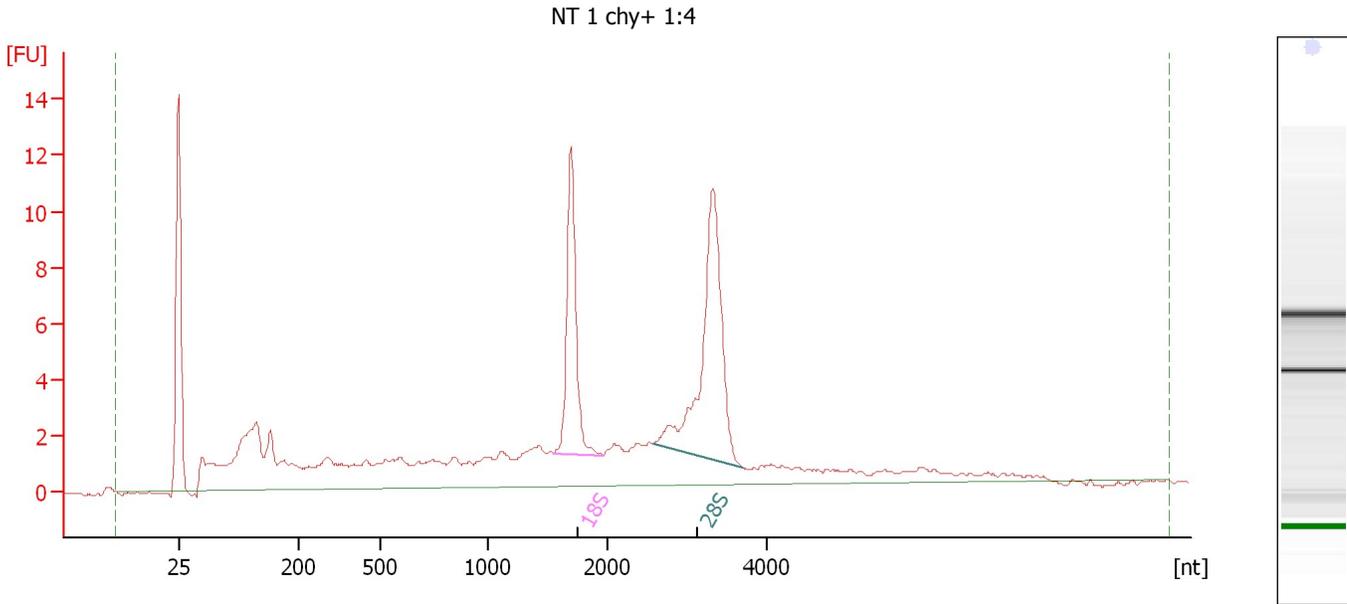
Overall Results for Ladder

RNA Area:	178.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
 Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NT 1 chy+ 1:4

RNA Area:	126.6	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	710 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.60

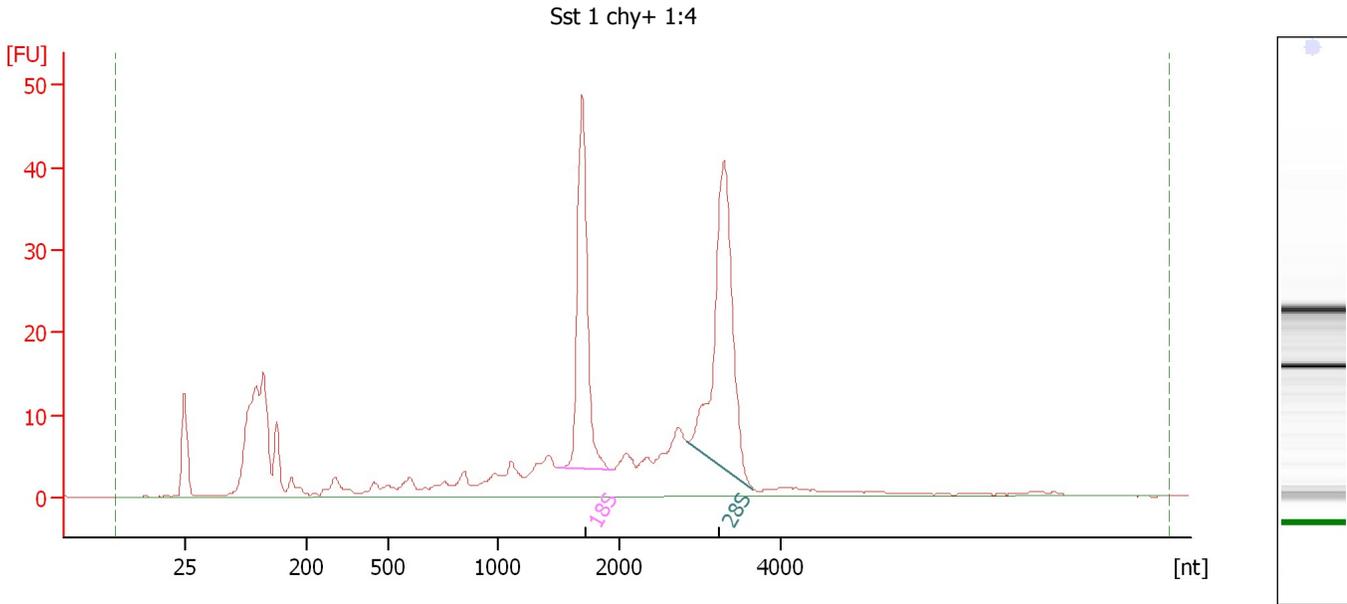
Fragment table for sample 1 : NT 1 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,962	13.4	10.6
28S	2,585	3,708	22.1	17.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sst 1 chy+ 1:4

RNA Area: 373.6 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 2,096 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.30

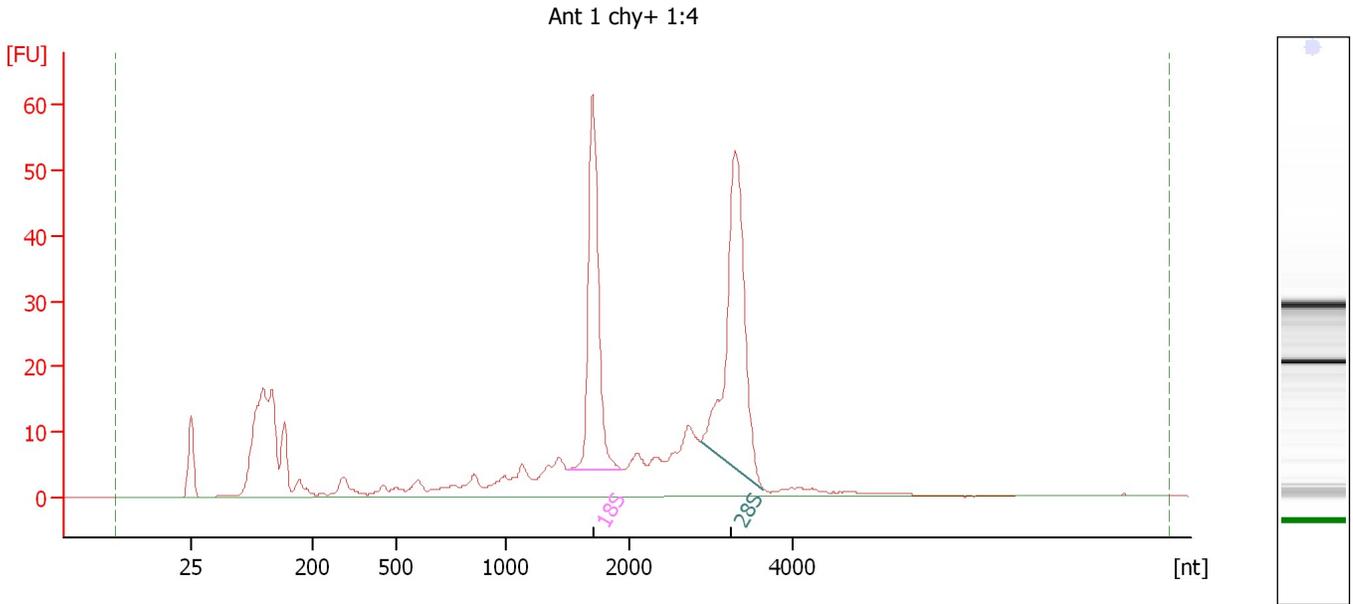
Fragment table for sample 2 : Sst 1 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,942	57.8	15.5
28S	2,849	3,654	75.1	20.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Ant 1 chy+ 1:4

RNA Area: 446.3 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 2,503 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

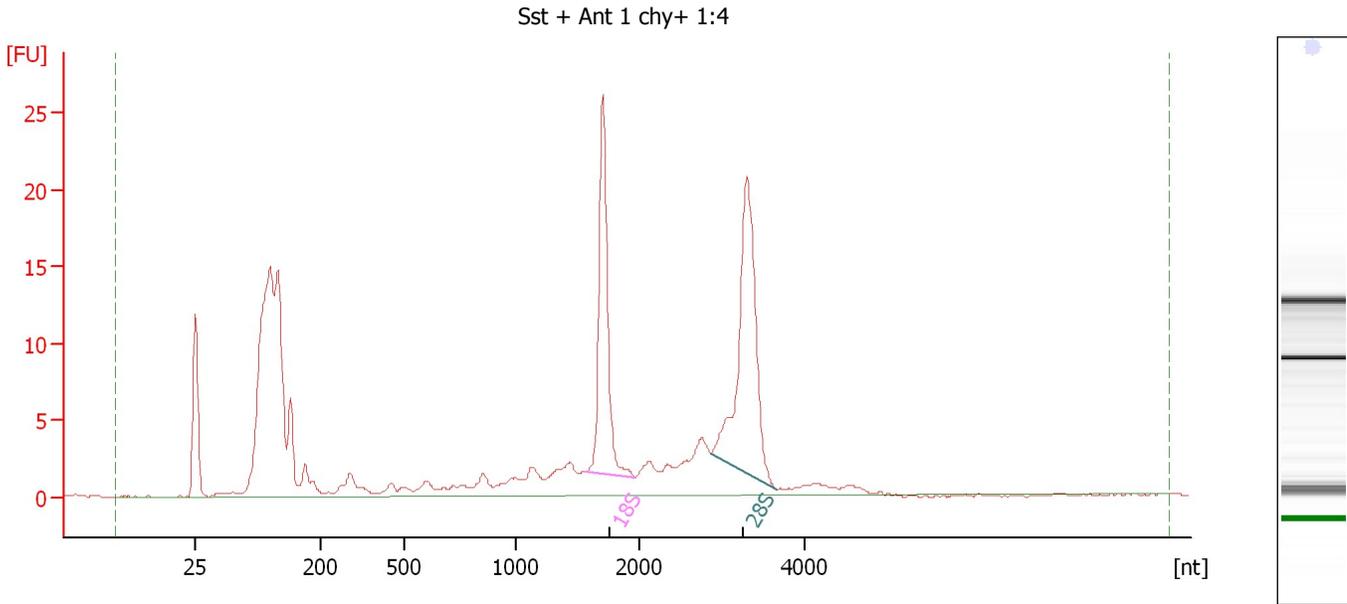
Fragment table for sample 3 : Ant 1 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,498	1,939	74.7	16.7
28S	2,873	3,642	96.5	21.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
 Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sst + Ant 1 chy+ 1:4

RNA Area:	207.5	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,164 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.30

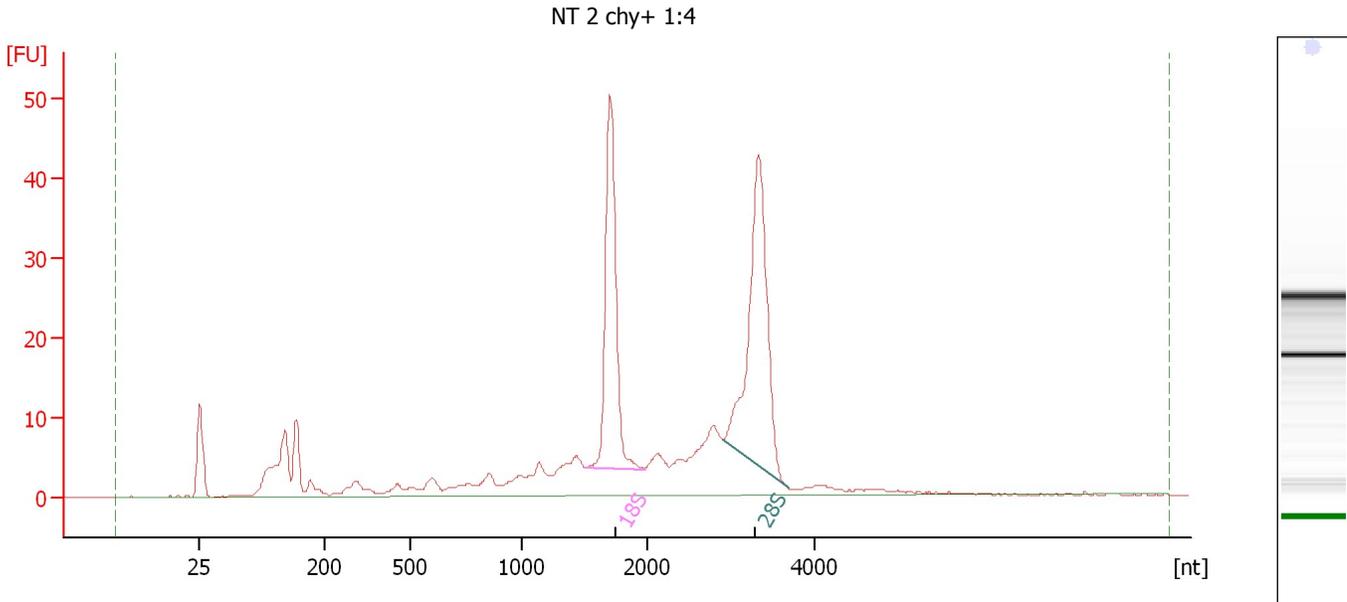
Fragment table for sample 4 : Sst + Ant 1 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,969	27.9	13.5
28S	2,870	3,657	35.9	17.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NT 2 chy+ 1:4

RNA Area: 332.5 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 1,865 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.40

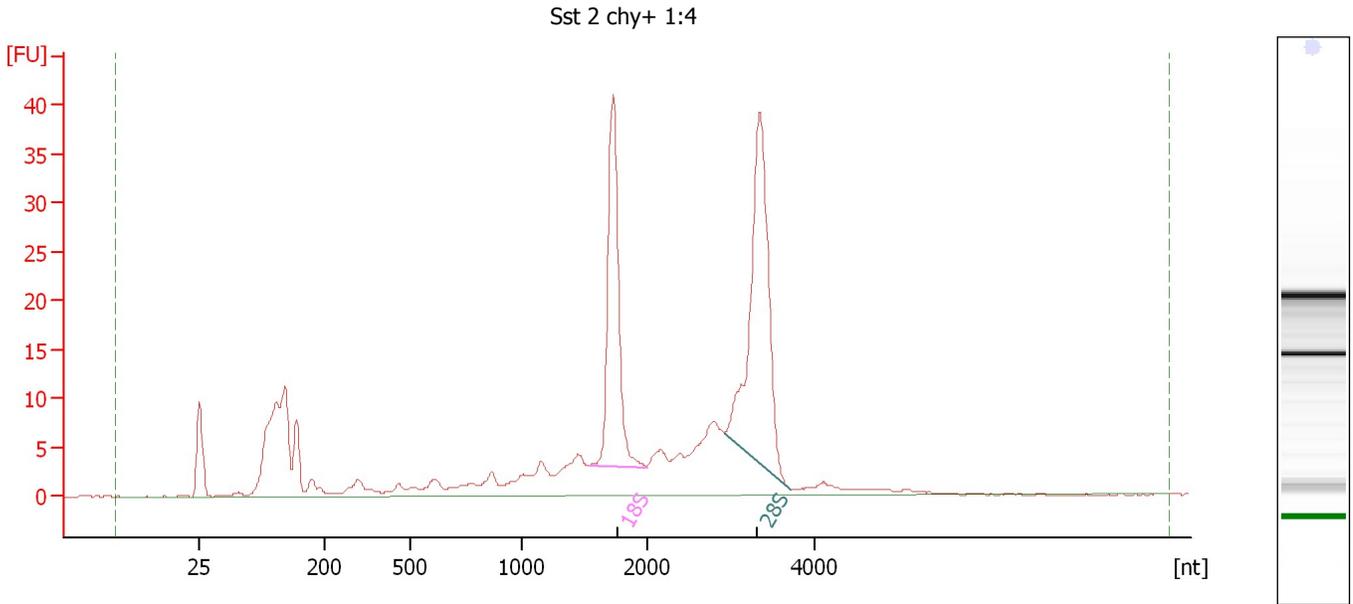
Fragment table for sample 5 : NT 2 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,973	60.6	18.2
28S	2,906	3,686	77.4	23.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sst 2 chy+ 1:4

RNA Area: 308.1 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 1,728 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.50

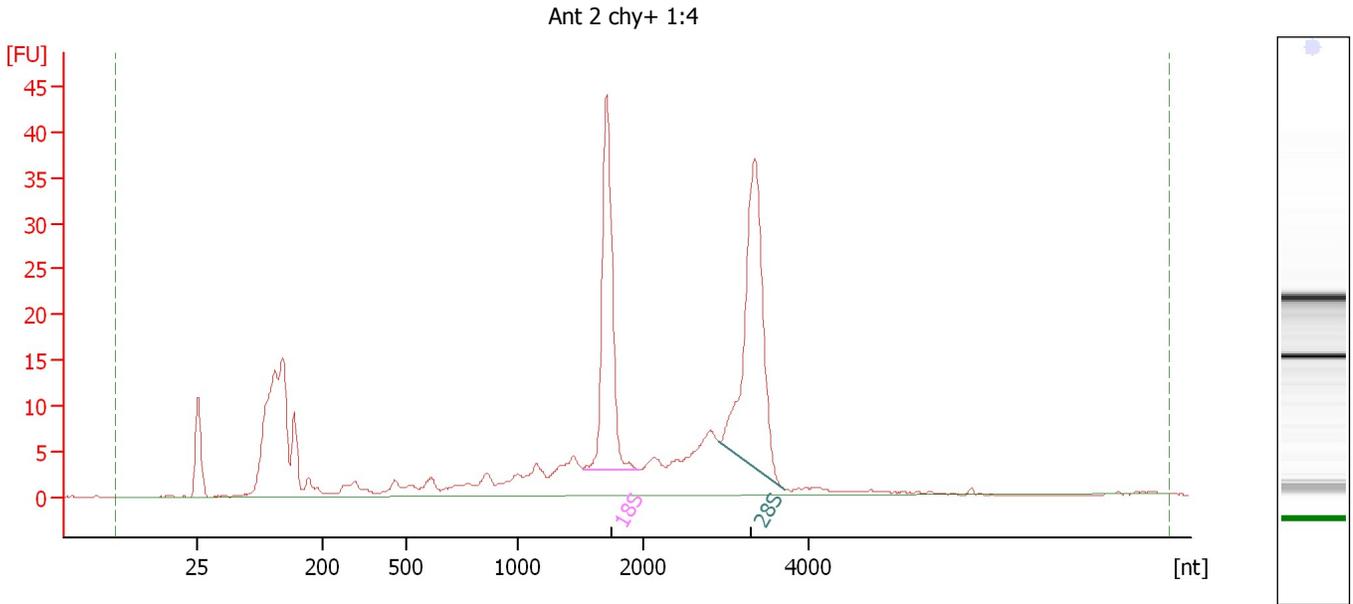
Fragment table for sample 6 : Sst 2 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,990	50.3	16.3
28S	2,919	3,712	71.0	23.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Ant 2 chy+ 1:4

RNA Area: 320.9 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 1,800 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.30

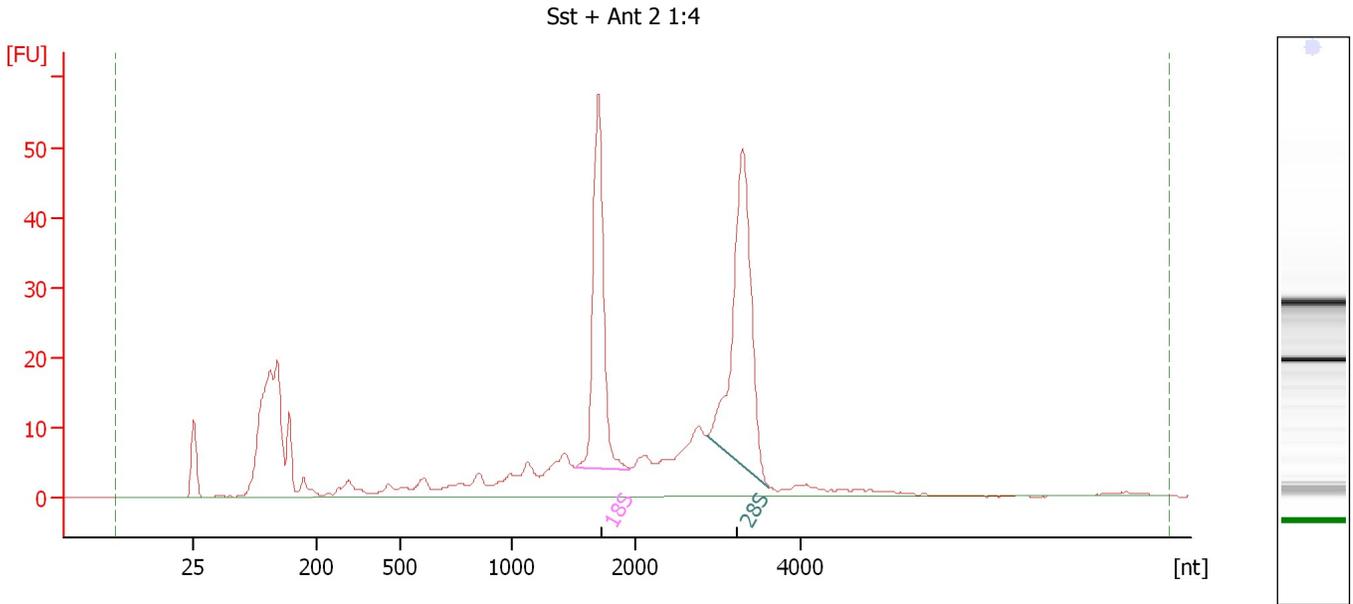
Fragment table for sample 7 : Ant 2 chy+ 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,971	53.2	16.6
28S	2,920	3,691	67.1	20.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sst + Ant 2 1:4

RNA Area: 451.3 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 2,531 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.30

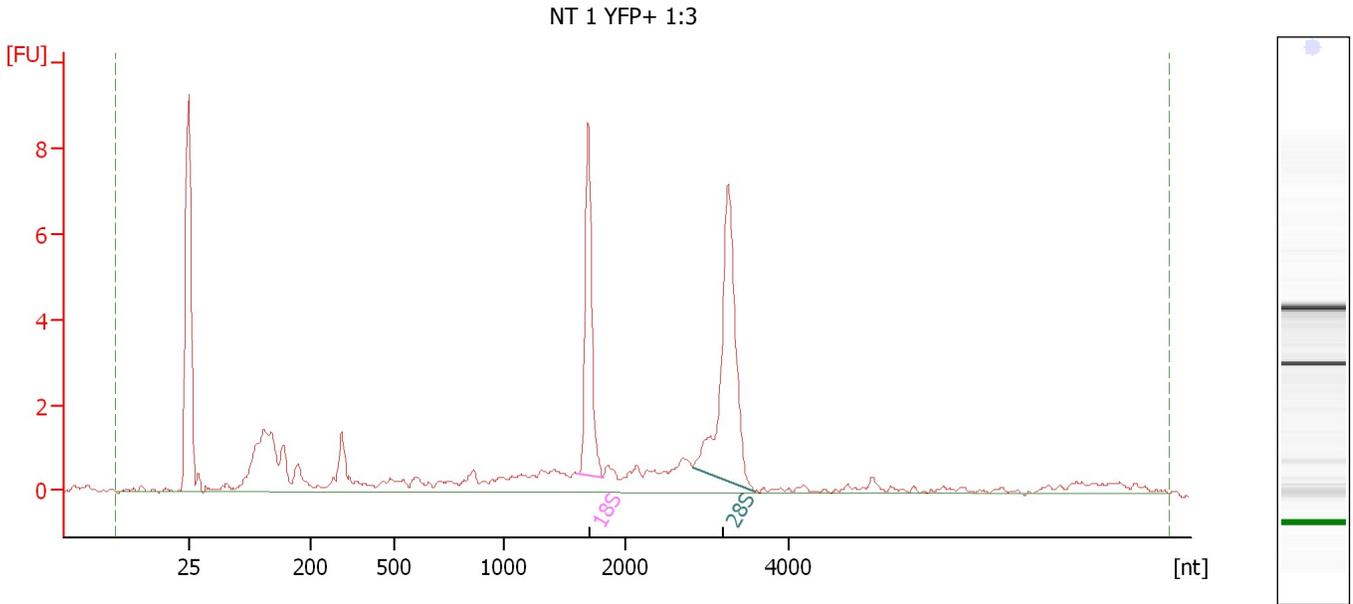
Fragment table for sample 8 : Sst + Ant 2 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,950	70.4	15.6
28S	2,858	3,623	91.2	20.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NT 1 YFP+ 1:3

RNA Area: 49.1 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 275 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.50

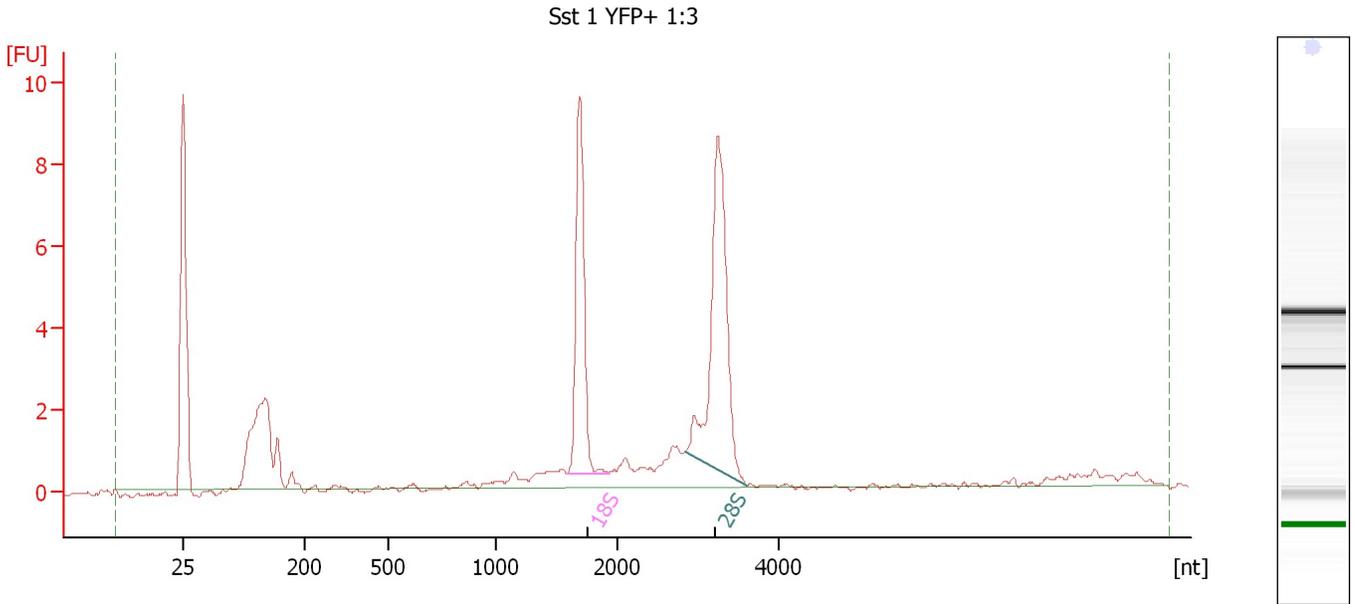
Fragment table for sample 9 : NT 1 YFP+ 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	1,815	7.4	15.2
28S	2,821	3,581	11.5	23.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
 Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sst 1 YFP+ 1:3

RNA Area:	49.6	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	278 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.30

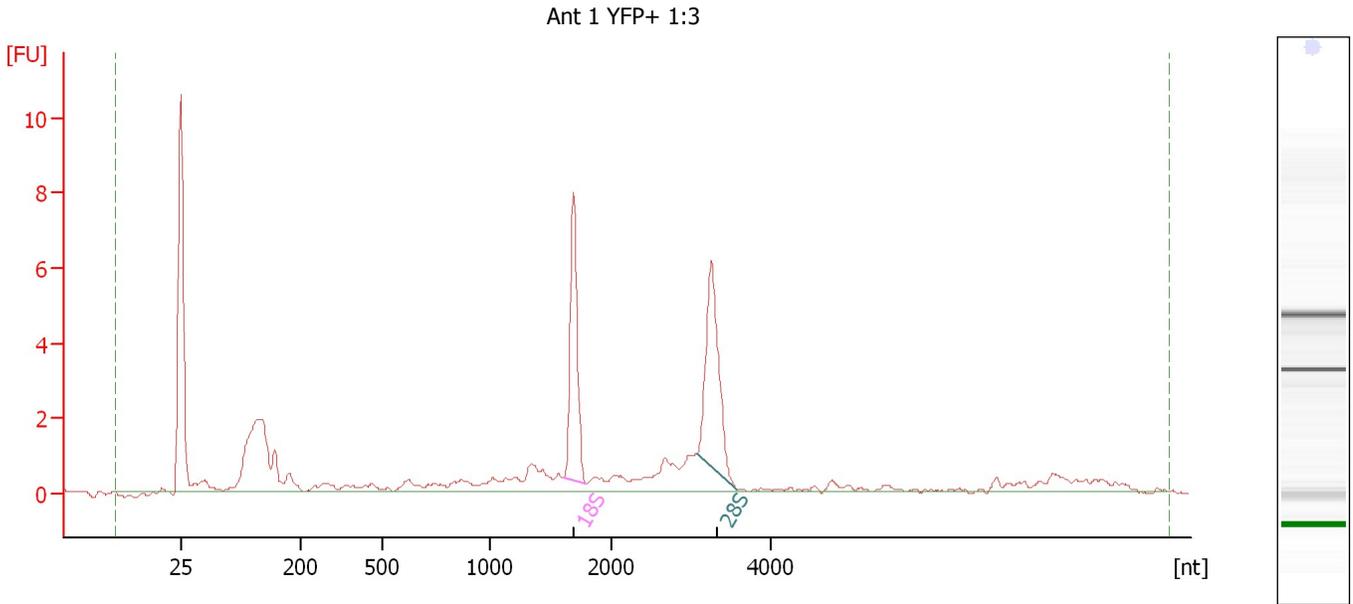
Fragment table for sample 10 : Sst 1 YFP+ 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,932	9.7	19.5
28S	2,850	3,603	14.5	29.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Ant 1 YFP+ 1:3

RNA Area: 48.9 RNA Integrity Number (RIN): 8.1 (B.02.08)
RNA Concentration: 275 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.10

Fragment table for sample 11 : Ant 1 YFP+ 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	1,788	7.3	15.0
28S	3,077	3,570	7.9	16.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_005.xad

Created: 3/8/2019 2:37:45 PM
Modified: 3/8/2019 2:59:46 PM

Gel Image

