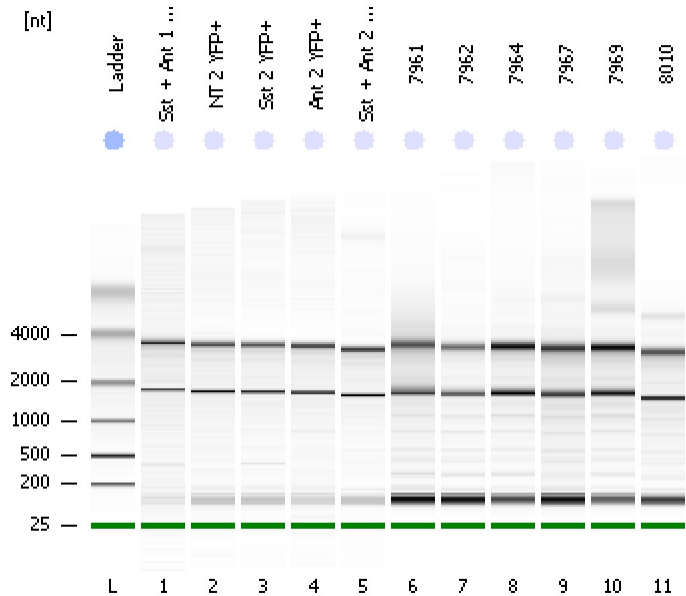


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 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

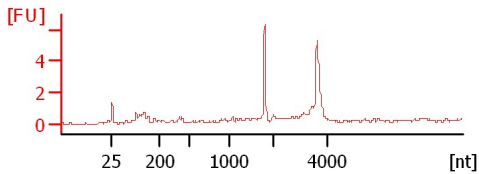
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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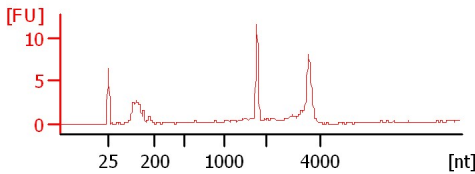
Chip Information:

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

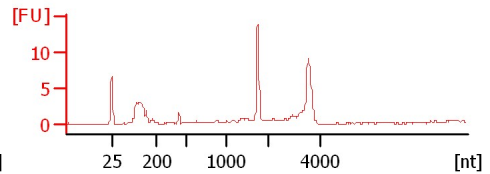
Sst + Ant 1 YFP+
RIN: 8.40



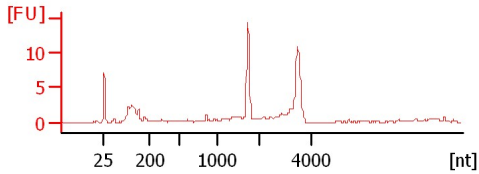
NT 2 YFP+
RIN: 8.70



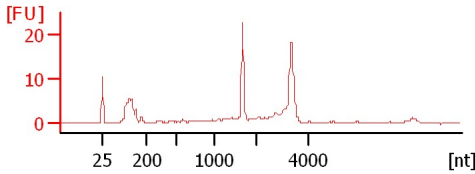
Sst 2 YFP+
RIN: 8.50



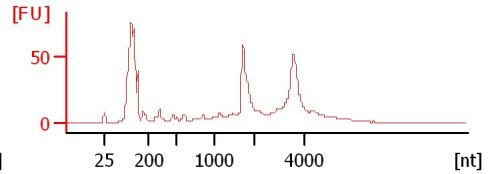
Ant 2 YFP+
RIN: 8.70



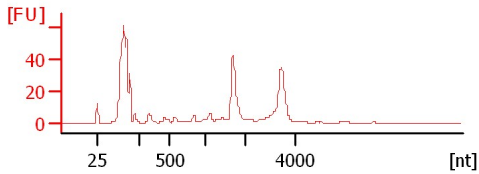
Sst + Ant 2 YFP+
RIN: 8.60



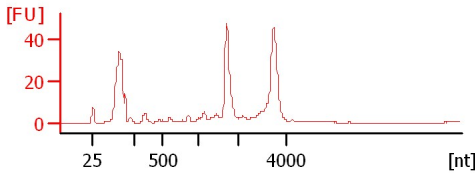
7961
RIN: 7.70



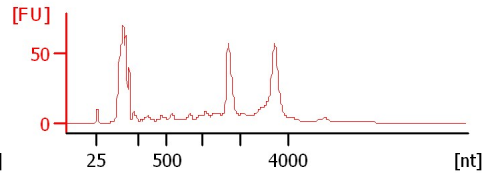
7962
RIN: 8



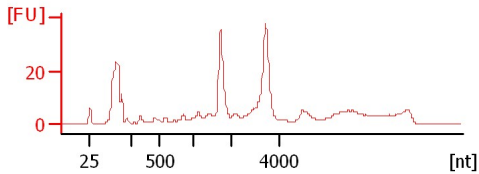
7964
RIN: 8.60



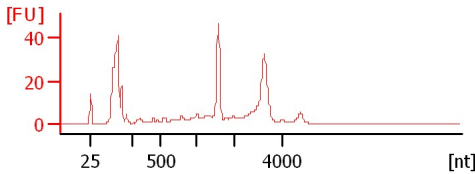
7967
RIN: 7.90



7969
RIN: 8.30



8010
RIN: 8



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sst + Ant 1 YFP+		✓	RIN: 8.40	
NT 2 YFP+		✓	RIN: 8.70	
Sst 2 YFP+		✓	RIN: 8.50	
Ant 2 YFP+		✓	RIN: 8.70	
Sst + Ant 2 YFP+		✓	RIN: 8.60	
7961		✓	RIN: 7.70	
7962		✓	RIN:8	
7964		✓	RIN: 8.60	
7967		✓	RIN: 7.90	
7969		✓	RIN: 8.30	
8010		✓	RIN:8	
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_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 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

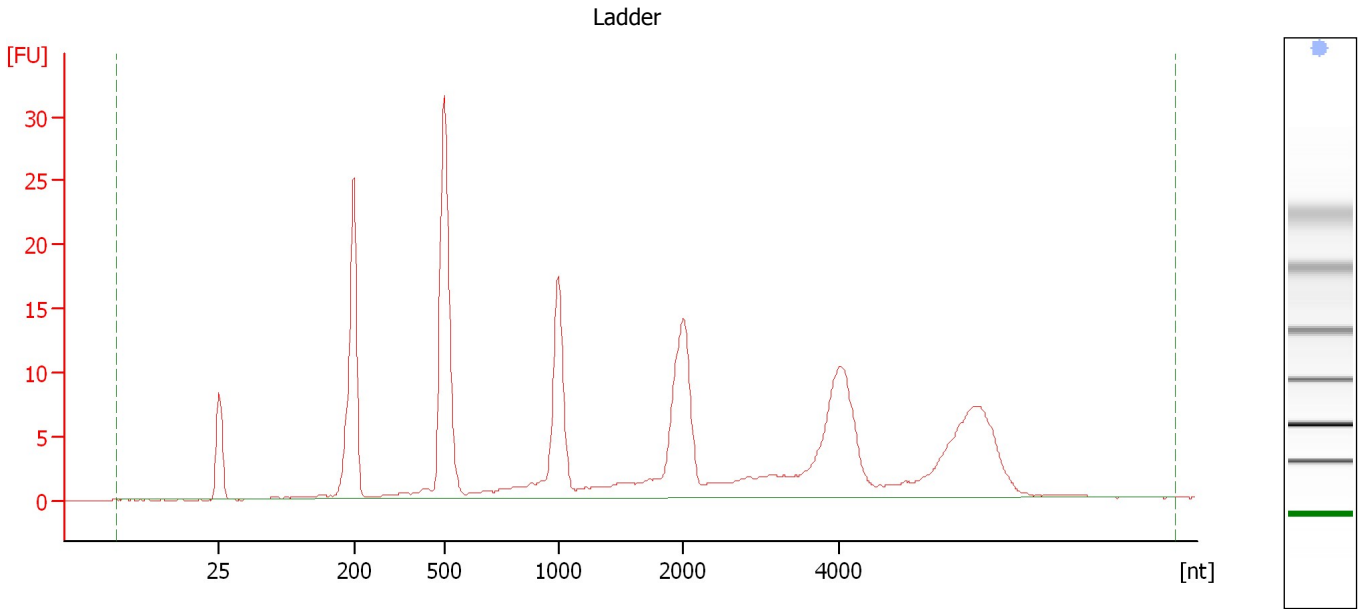
Ladder

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_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary



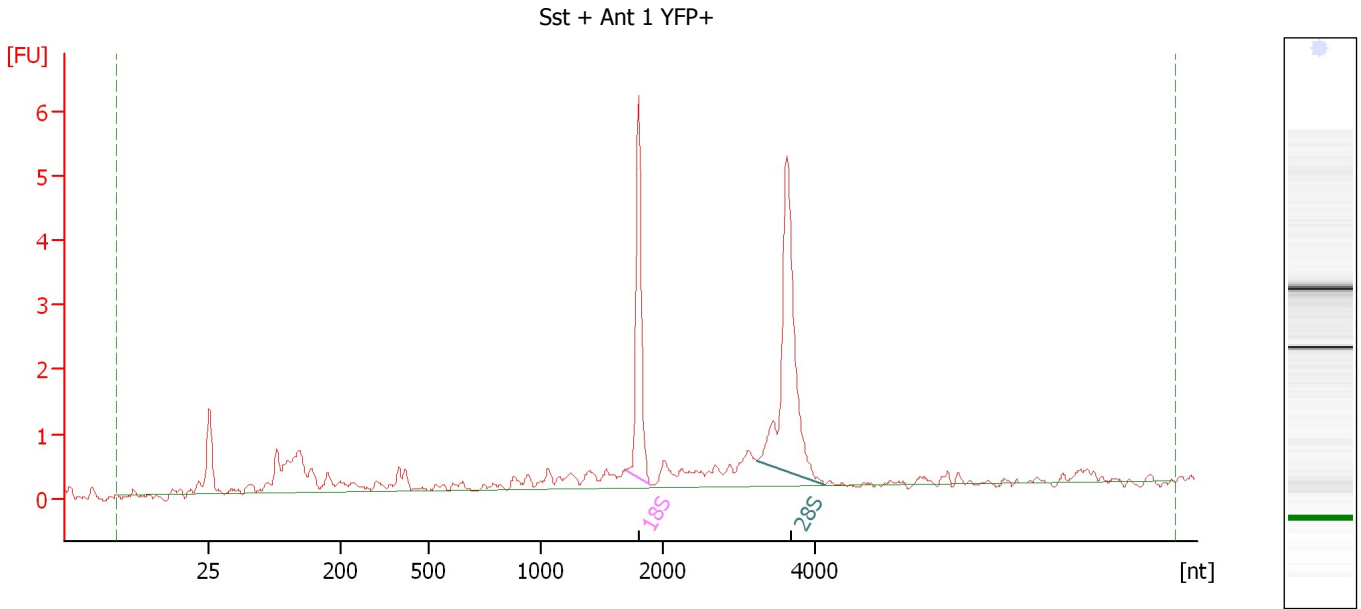
Overall Results for Ladder

RNA Area:	237.9	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_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sst + Ant 1 YFP+

RNA Area: 24.9 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 105 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.40

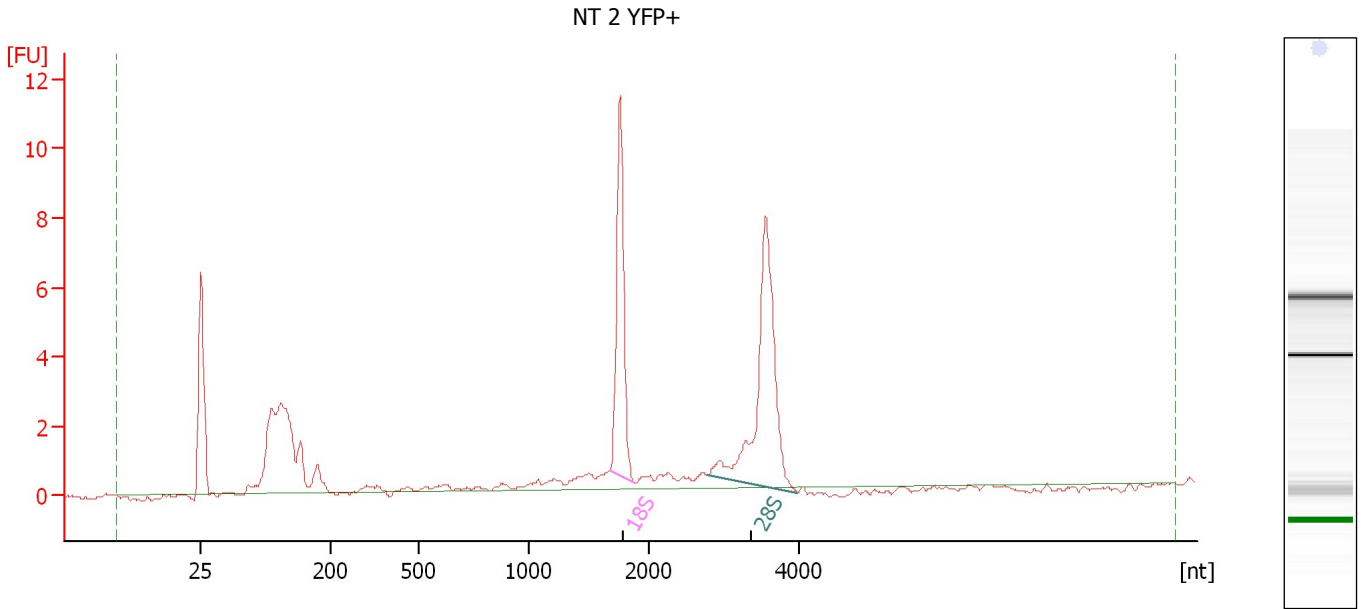
Fragment table for sample 1 : Sst + Ant 1 YFP+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,894	4.1	16.3
28S	3,229	4,110	6.5	26.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NT 2 YFP+

RNA Area: 48.2 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 203 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.70

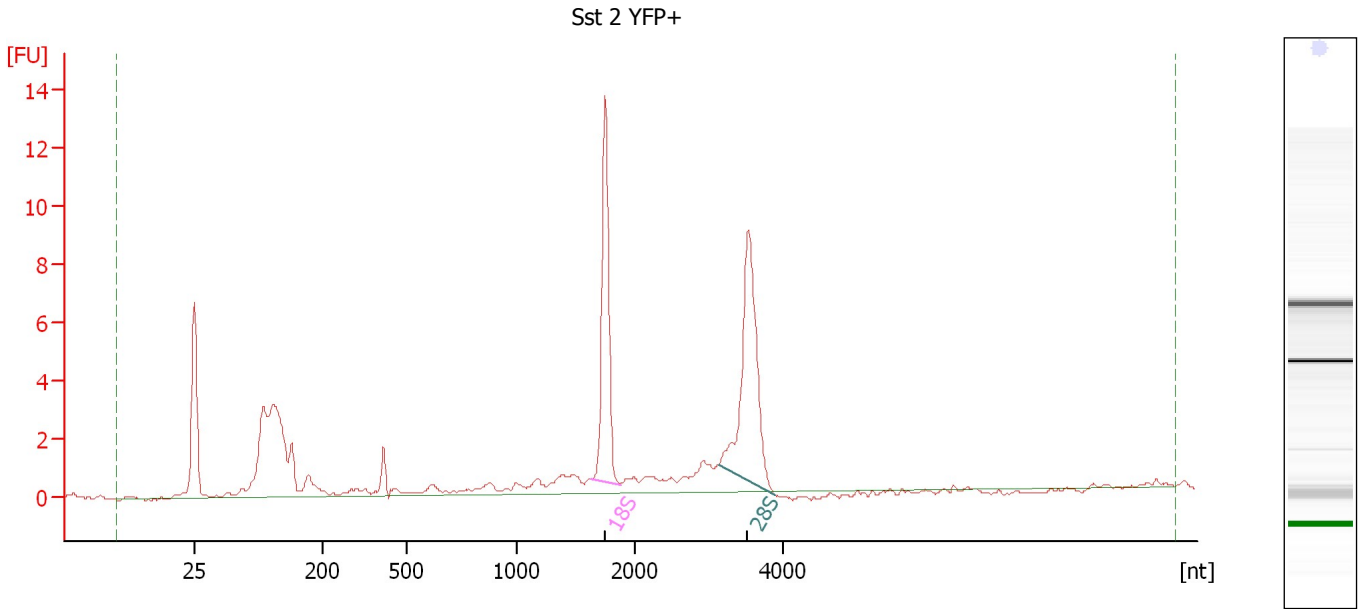
Fragment table for sample 2 : NT 2 YFP+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	1,877	10.0	20.7
28S	2,783	3,975	14.5	30.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sst 2 YFP+

RNA Area: 65.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 277 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.50

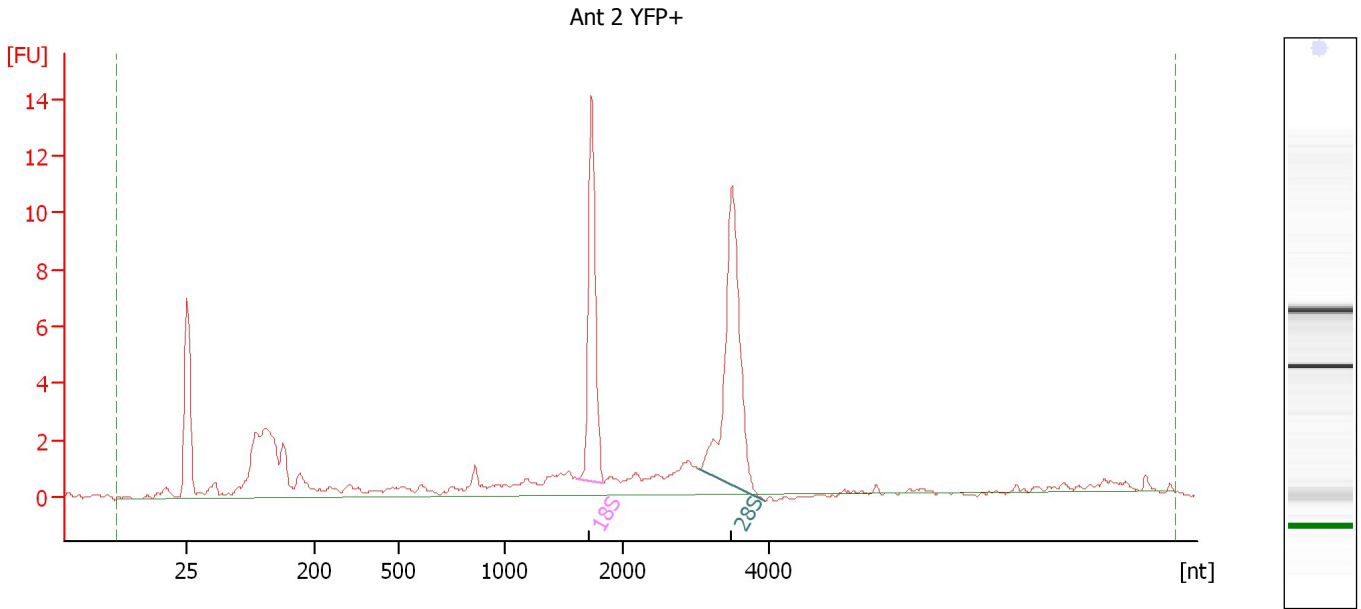
Fragment table for sample 3 : Sst 2 YFP+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	1,878	12.0	18.2
28S	3,130	3,879	14.2	21.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Ant 2 YFP+

RNA Area: 75.2 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 316 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.70

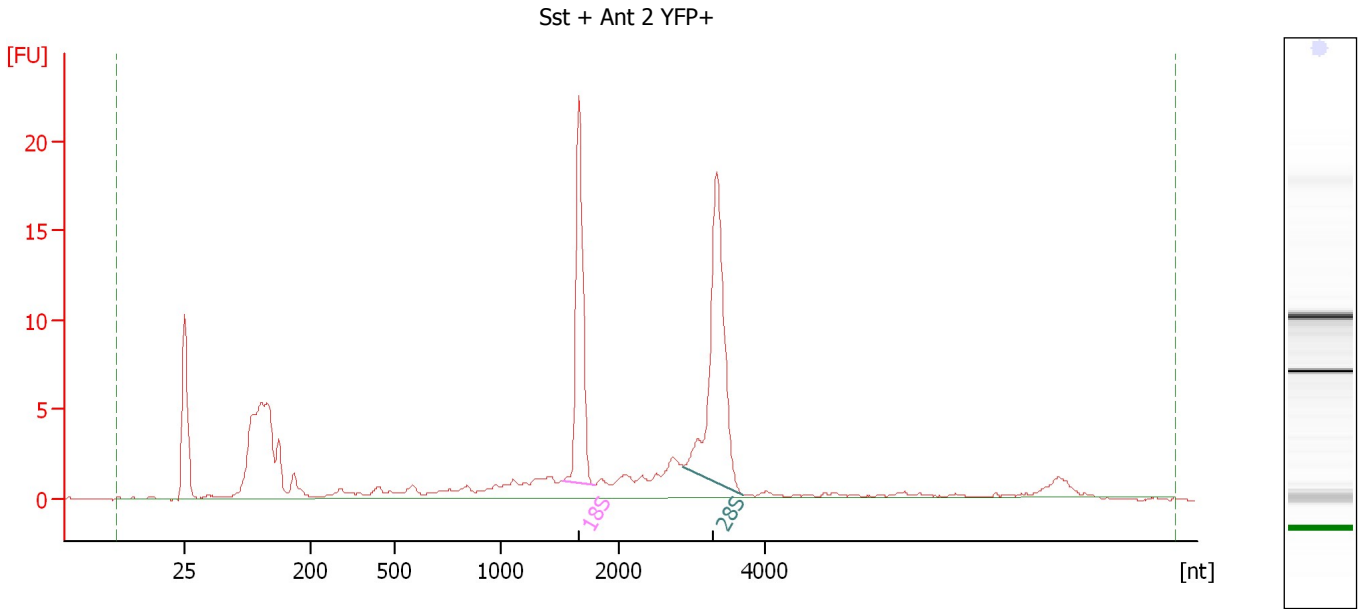
Fragment table for sample 4 : Ant 2 YFP+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,834	12.9	17.1
28S	3,033	3,938	17.7	23.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sst + Ant 2 YFP+

RNA Area: 123.2 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 518 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.60

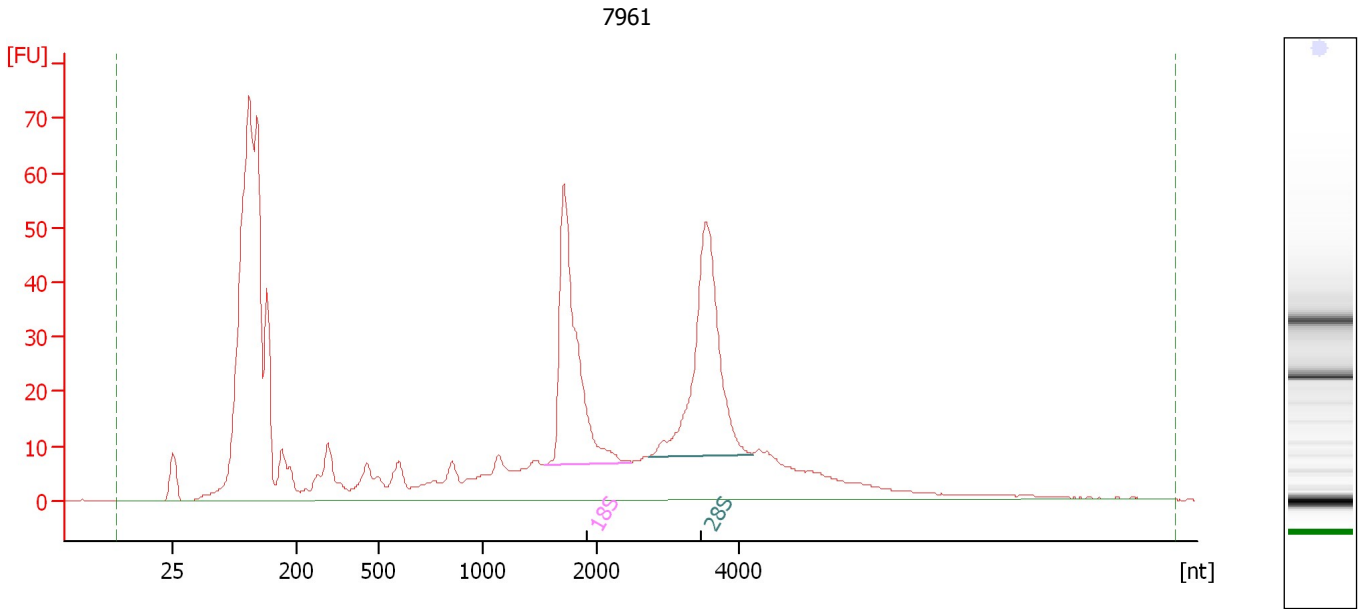
Fragment table for sample 5 : Sst + Ant 2 YFP+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	1,794	19.8	16.0
28S	2,888	3,694	28.0	22.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 7961

RNA Area:	995.1	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	4,183 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.70

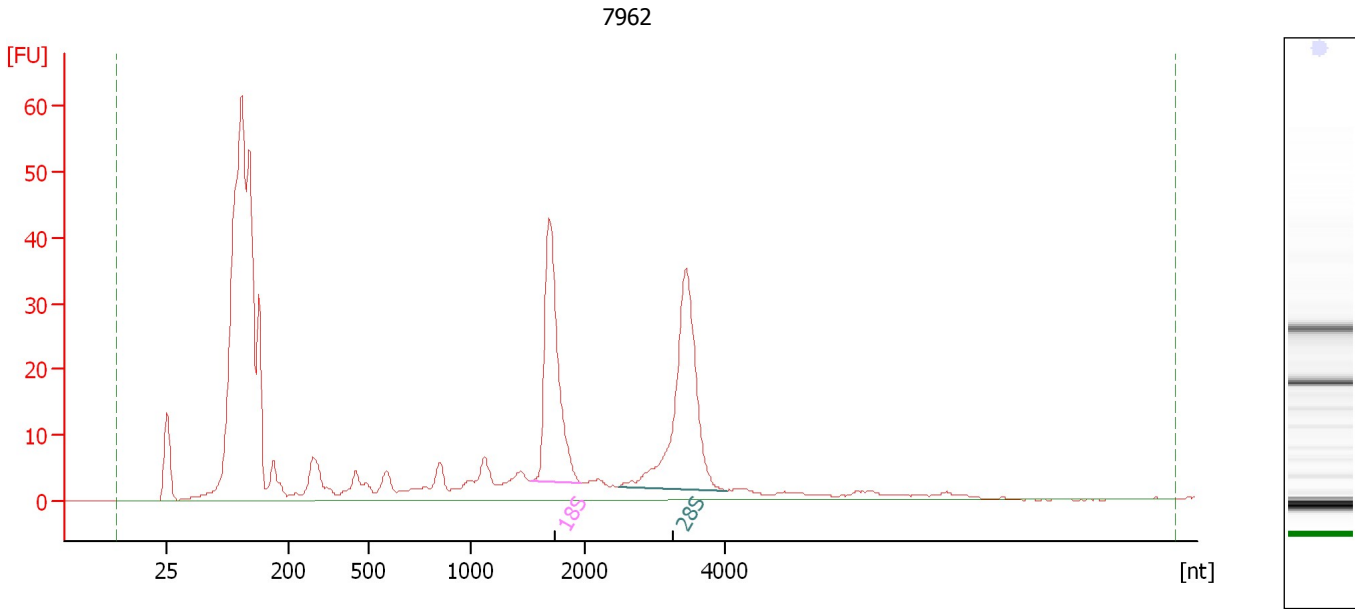
Fragment table for sample 6 : 7961

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	2,486	112.2	11.3
28S	2,727	4,200	120.1	12.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7962

RNA Area:	603.9	RNA Integrity Number (RIN):	8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,538 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:8

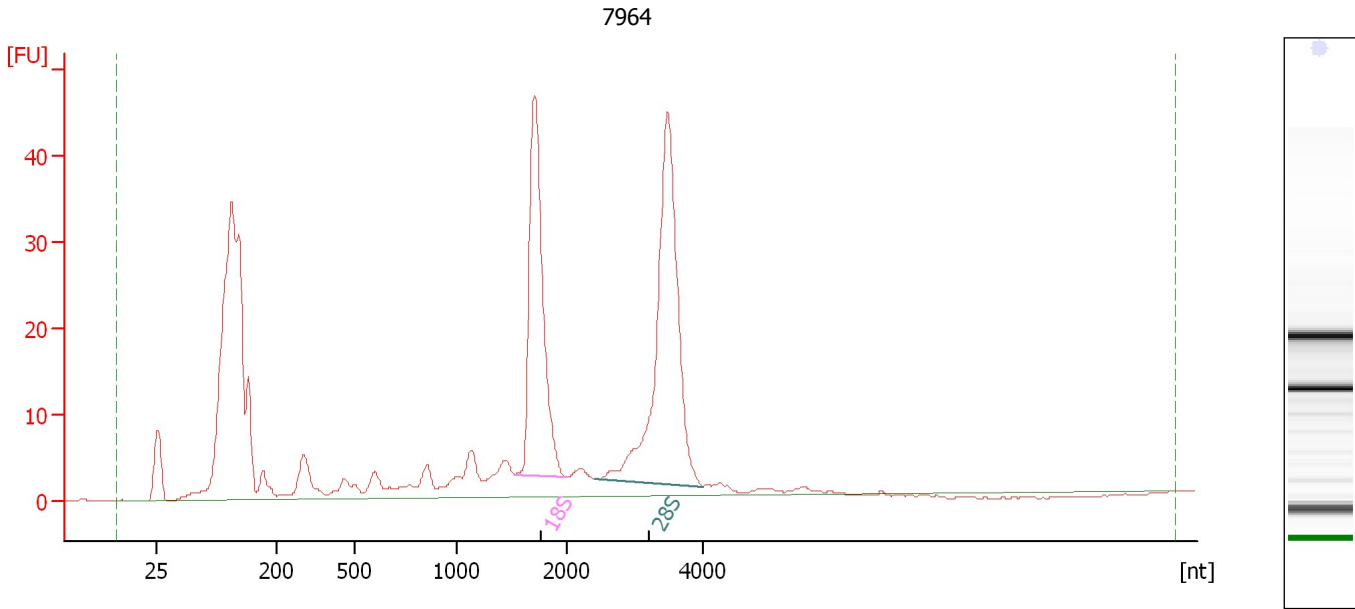
Fragment table for sample 7 : 7962

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,969	71.6	11.9
28S	2,483	4,022	83.4	13.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 7964

RNA Area: 471.9 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 1,984 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.60

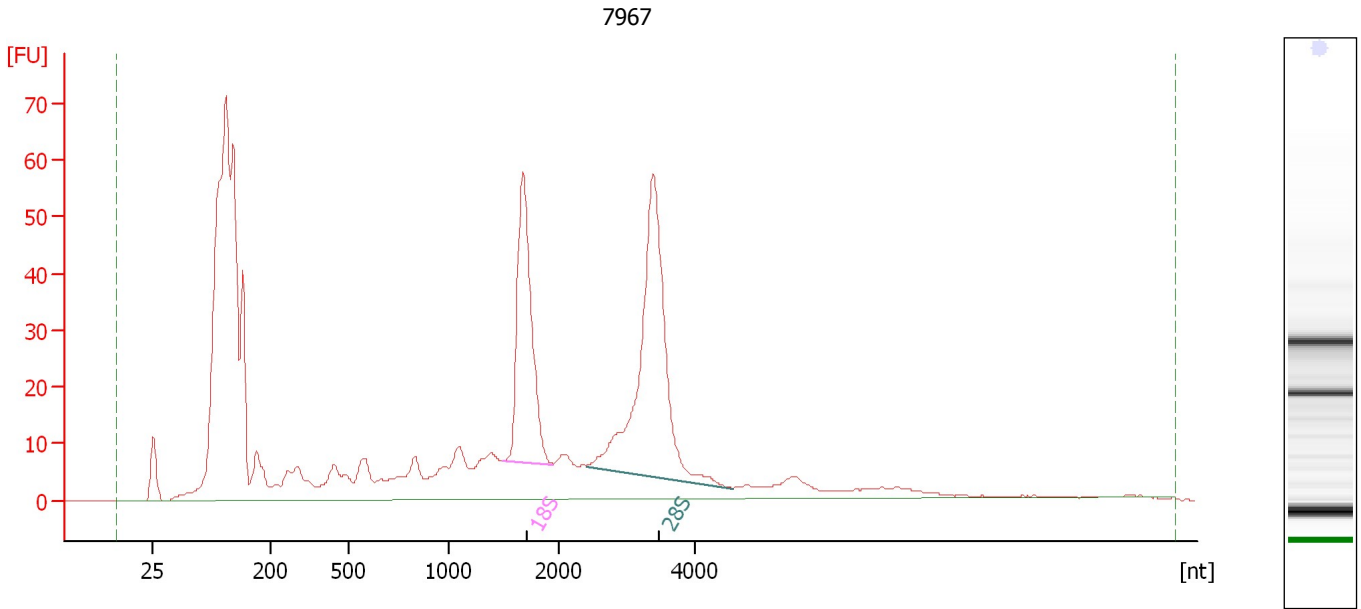
Fragment table for sample 8 : 7964

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	2,012	81.6	17.3
28S	2,416	4,003	108.9	23.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
 Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 7967

RNA Area:	954.7	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	4,013 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

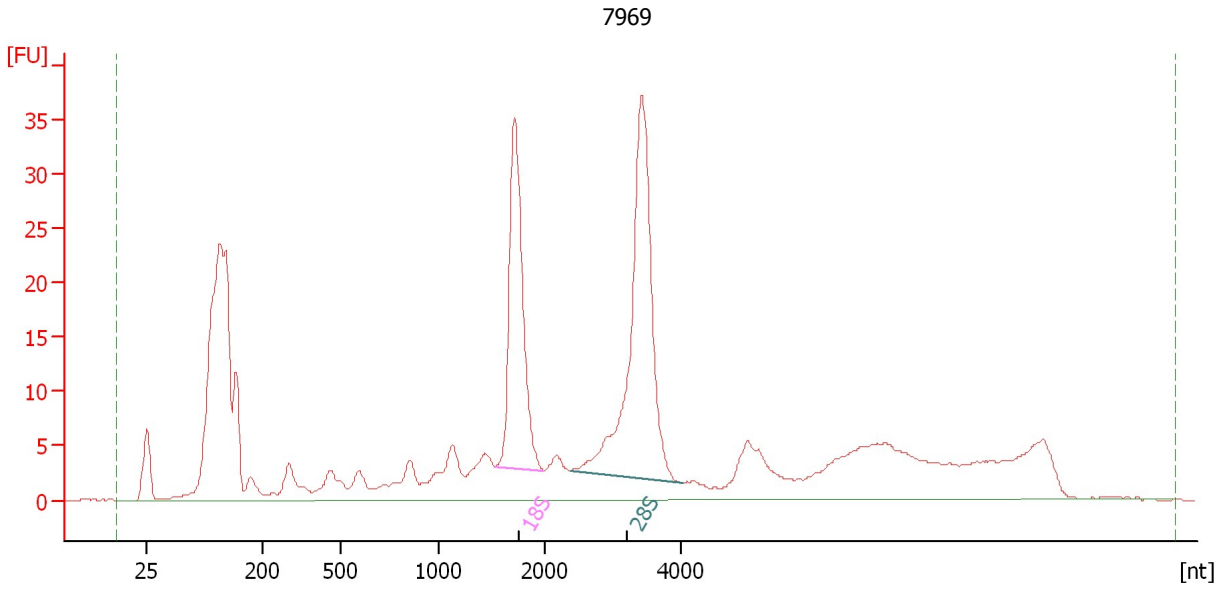
Fragment table for sample 9 : 7967

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,494	1,954	100.0	10.5
28S	2,413	4,565	160.3	16.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
 Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 7969

RNA Area:	508.9	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	2,139 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.30

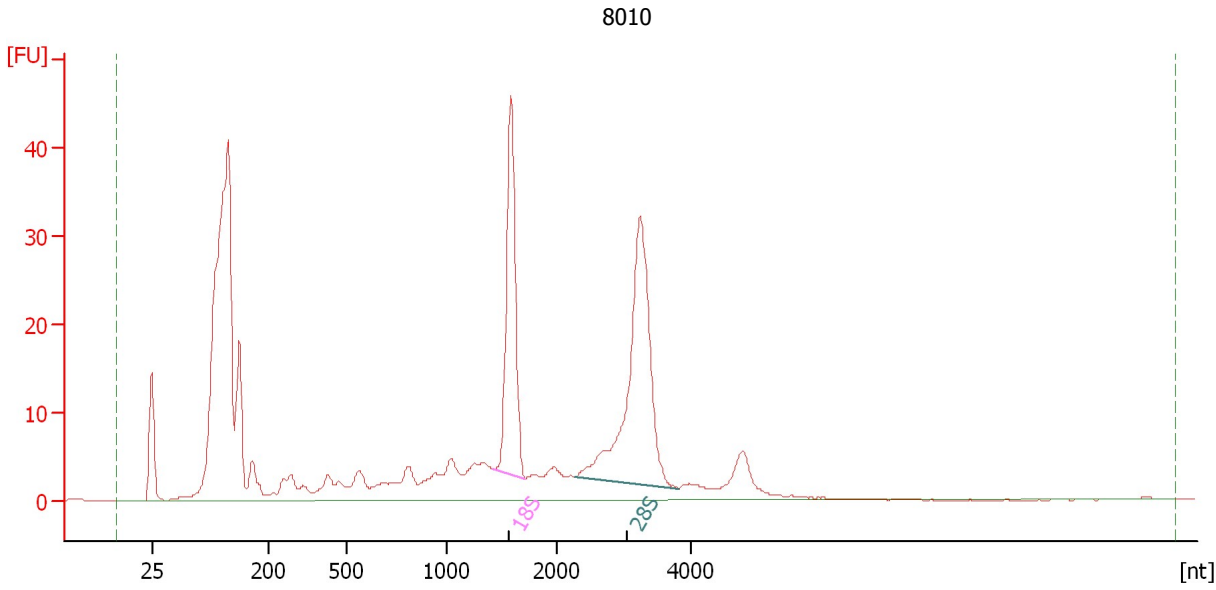
Fragment table for sample 10 : 7969

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,977	60.5	11.9
28S	2,361	4,034	91.3	17.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 8010

RNA Area: 453.4 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 1,906 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:8

Fragment table for sample 11 : 8010

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,423	1,717	54.7	12.1
28S	2,287	3,798	80.7	17.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_008.xad

Created: 3/8/2019 3:26:43 PM
Modified: 3/8/2019 4:05:18 PM

Gel Image

