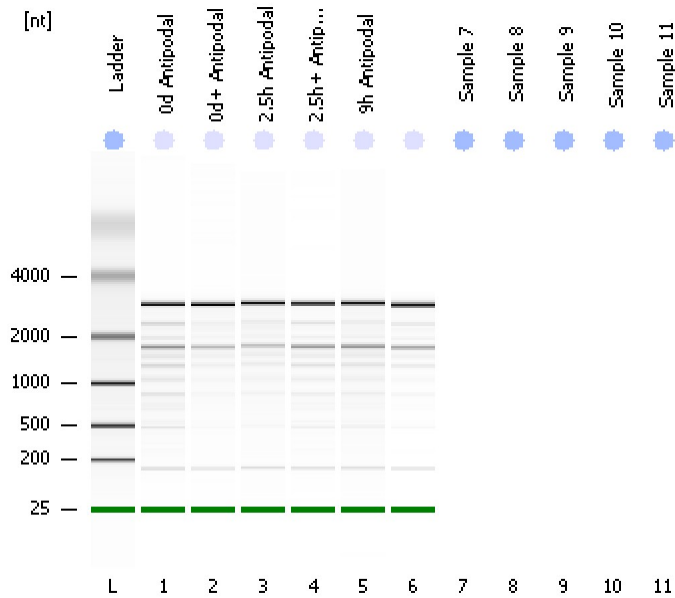


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Electrophoresis File Run Summary



Instrument Information:

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

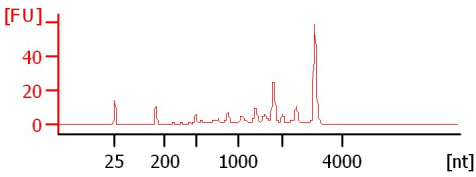
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

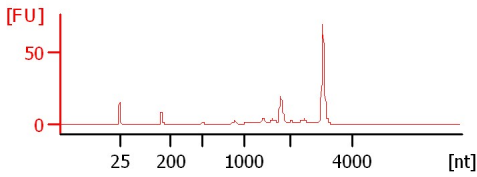
Chip Information:

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

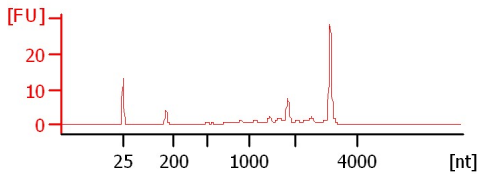
0d Antipodal
RIN: 7.70



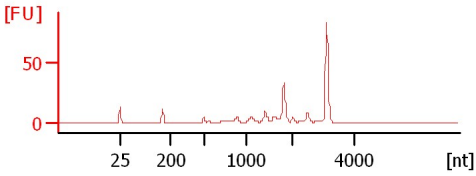
0d+ Antipodal
RIN: 8.10



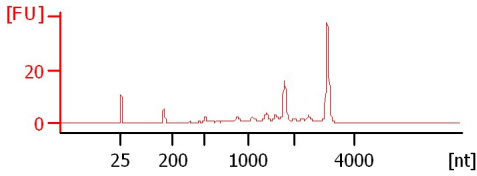
2.5h Antipodal
RIN: 7.90



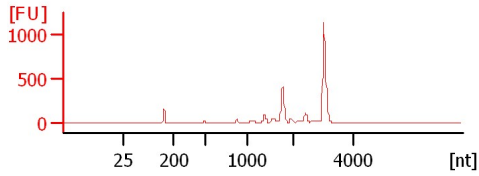
2.5h+ Antipodal
RIN: 8



9h Antipodal
RIN: 8



2.5h Antipodal
RIN: 8.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
 Modified: 6/21/2013 2:43:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0d Antipodal		✓	RIN: 7.70	
0d+ Antipodal		✓	RIN: 8.10	
2.5h Antipodal		✓	RIN: 7.90	
2.5h+ Antipodal		✓	RIN:8	
9h Antipodal		✓	RIN: 8.20	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

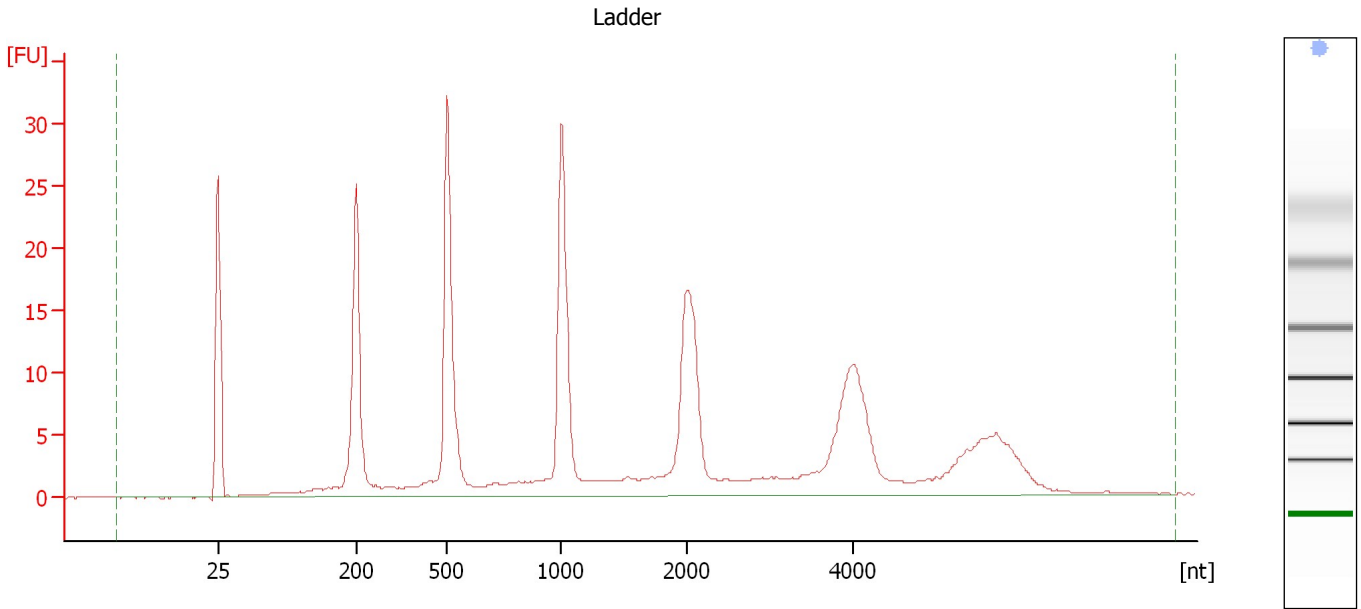
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary



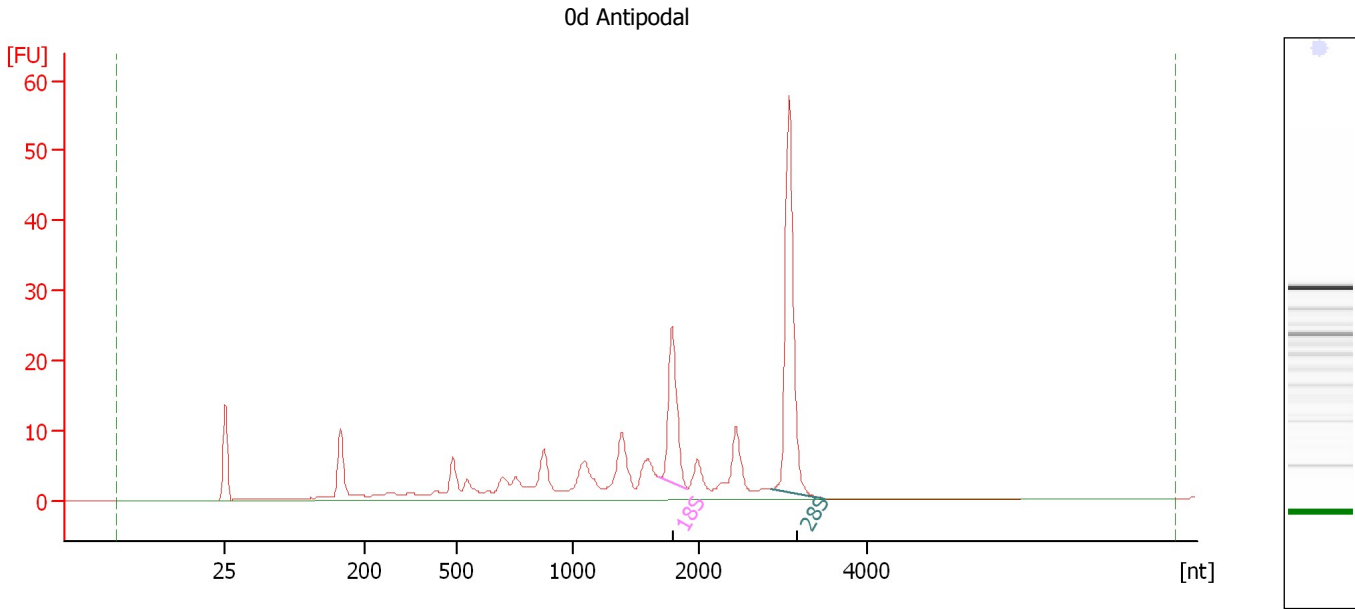
Overall Results for Ladder

RNA Area:	263.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 0d Antipodal

RNA Area: 205.9 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 781 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 7.70

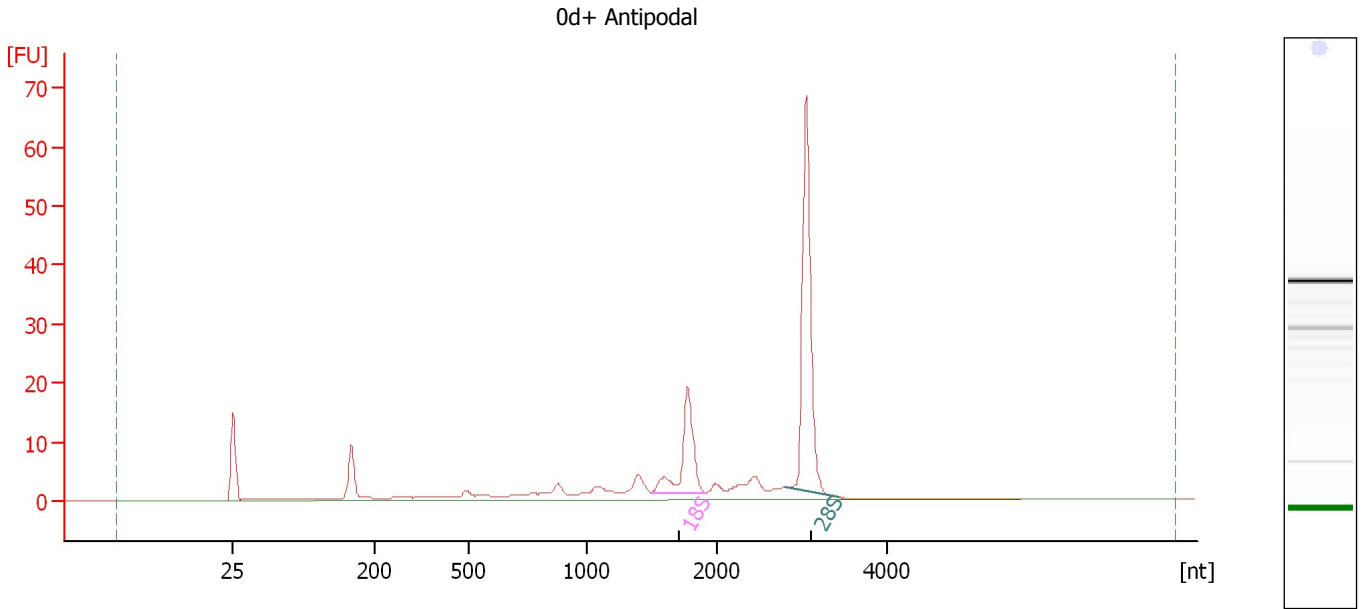
Fragment table for sample 1 : 0d Antipodal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	1,904	22.4	10.9
28S	2,848	3,485	47.4	23.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Od+ Antipodal

RNA Area:	158.8	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	602 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.10

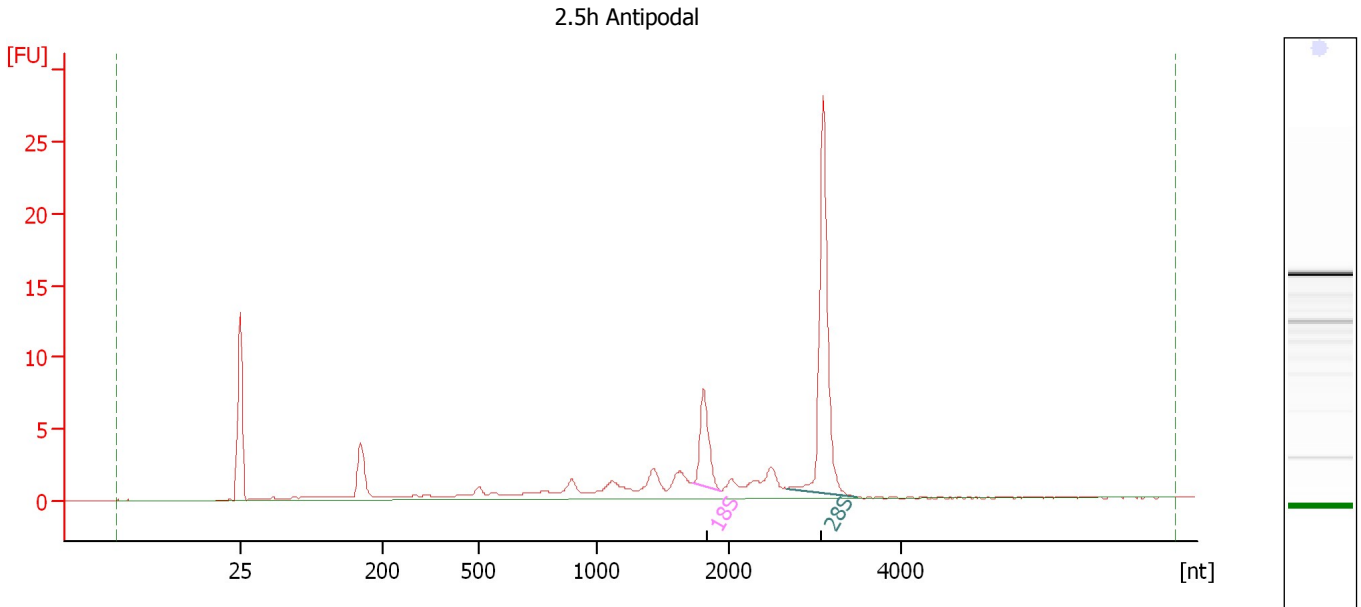
Fragment table for sample 2 : Od+ Antipodal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,928	23.5	14.8
28S	2,819	3,446	56.7	35.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
 Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2.5h Antipodal

RNA Area:	70.8	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	268 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.5	Result Flagging Label:	RIN: 7.90

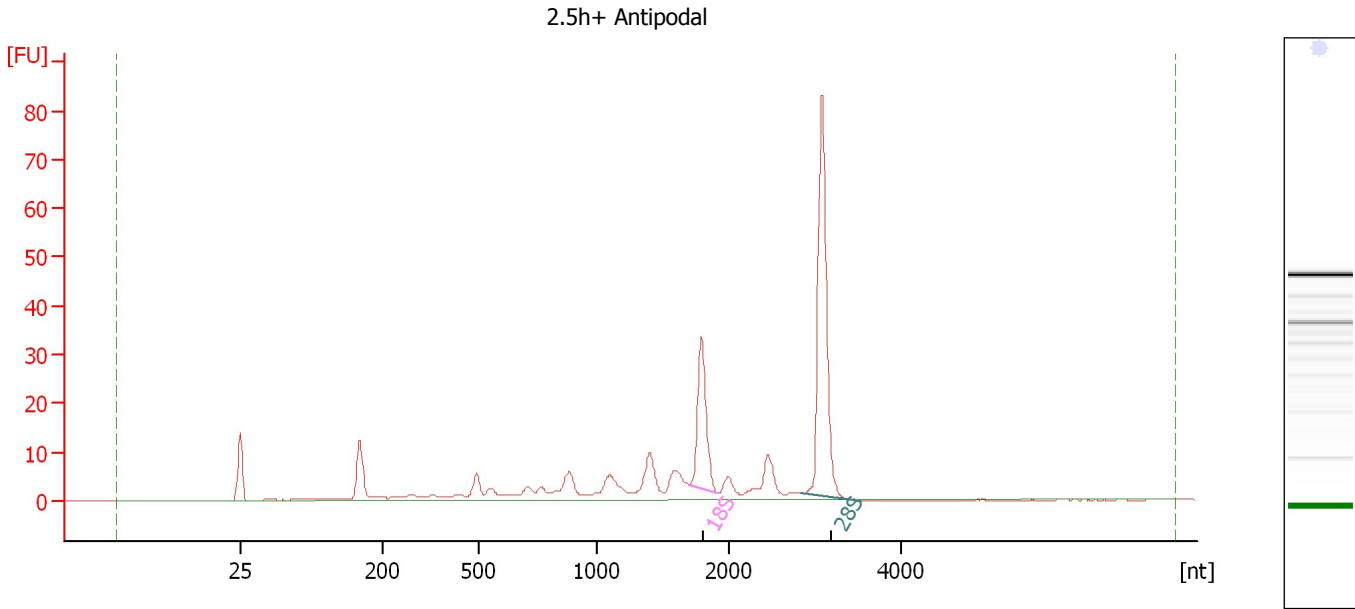
Fragment table for sample 3 : 2.5h Antipodal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	1,942	6.6	9.4
28S	2,680	3,485	23.2	32.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2.5h+ Antipodal

RNA Area: 221.0 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 838 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:8

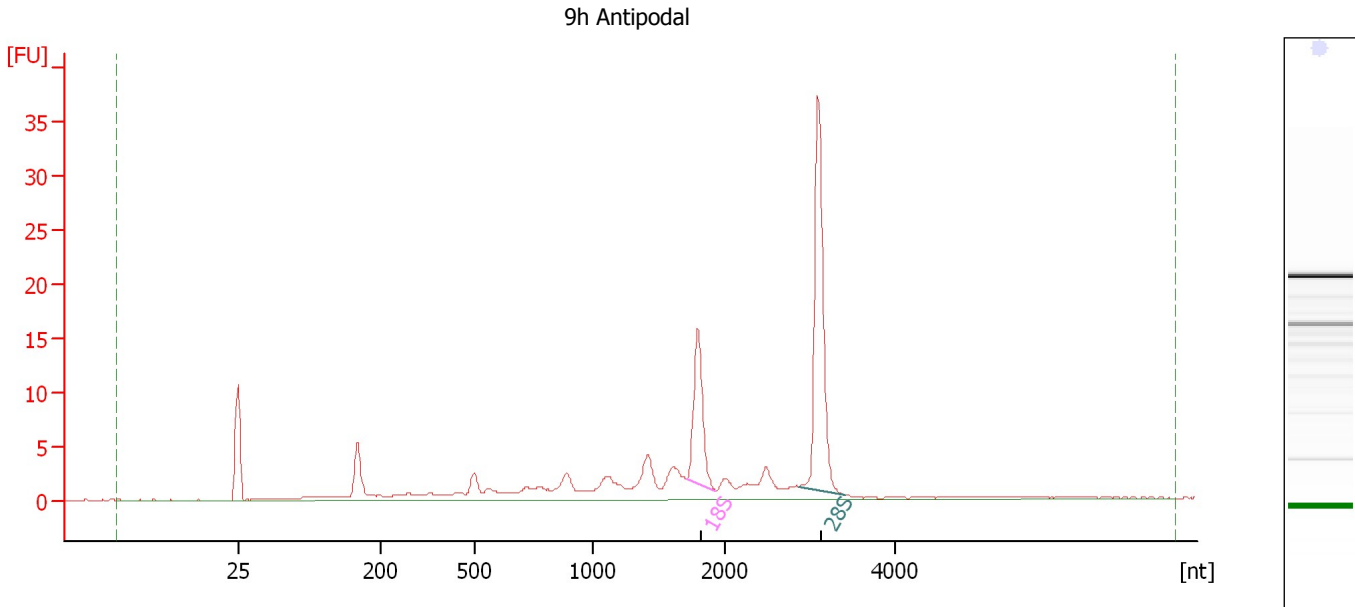
Fragment table for sample 4 : 2.5h+ Antipodal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	1,917	31.4	14.2
28S	2,853	3,535	70.0	31.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
 Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9h Antipodal

RNA Area:	113.9	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	432 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:8

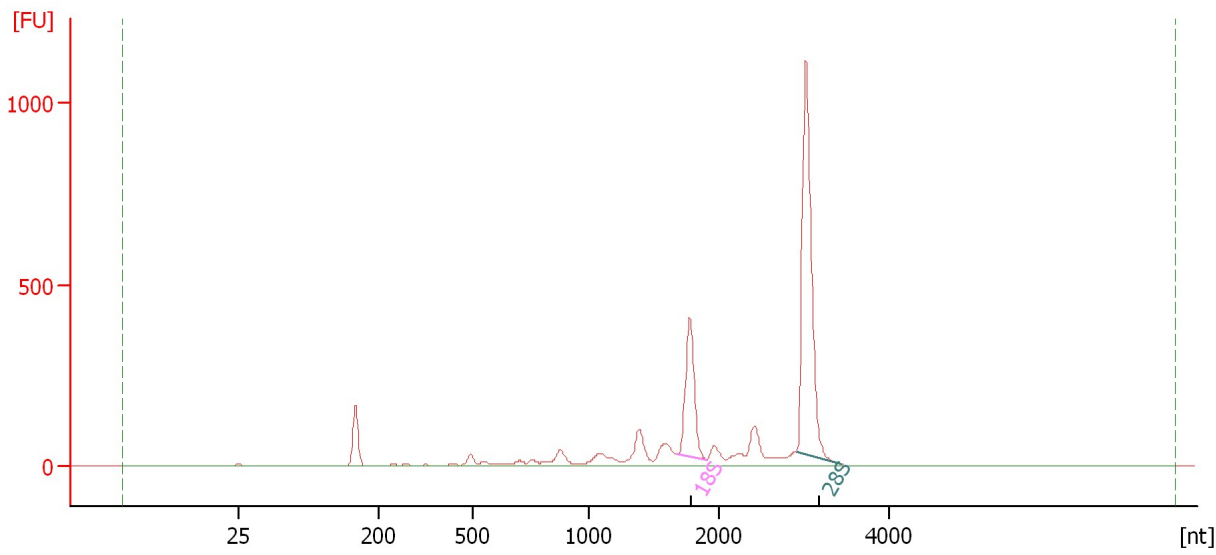
Fragment table for sample 5 : 9h Antipodal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	1,932	14.7	12.9
28S	2,867	3,414	30.7	27.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
 Modified: 6/21/2013 2:43:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 :

RNA Area:	2,697.8	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	10,234 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN: 8.20

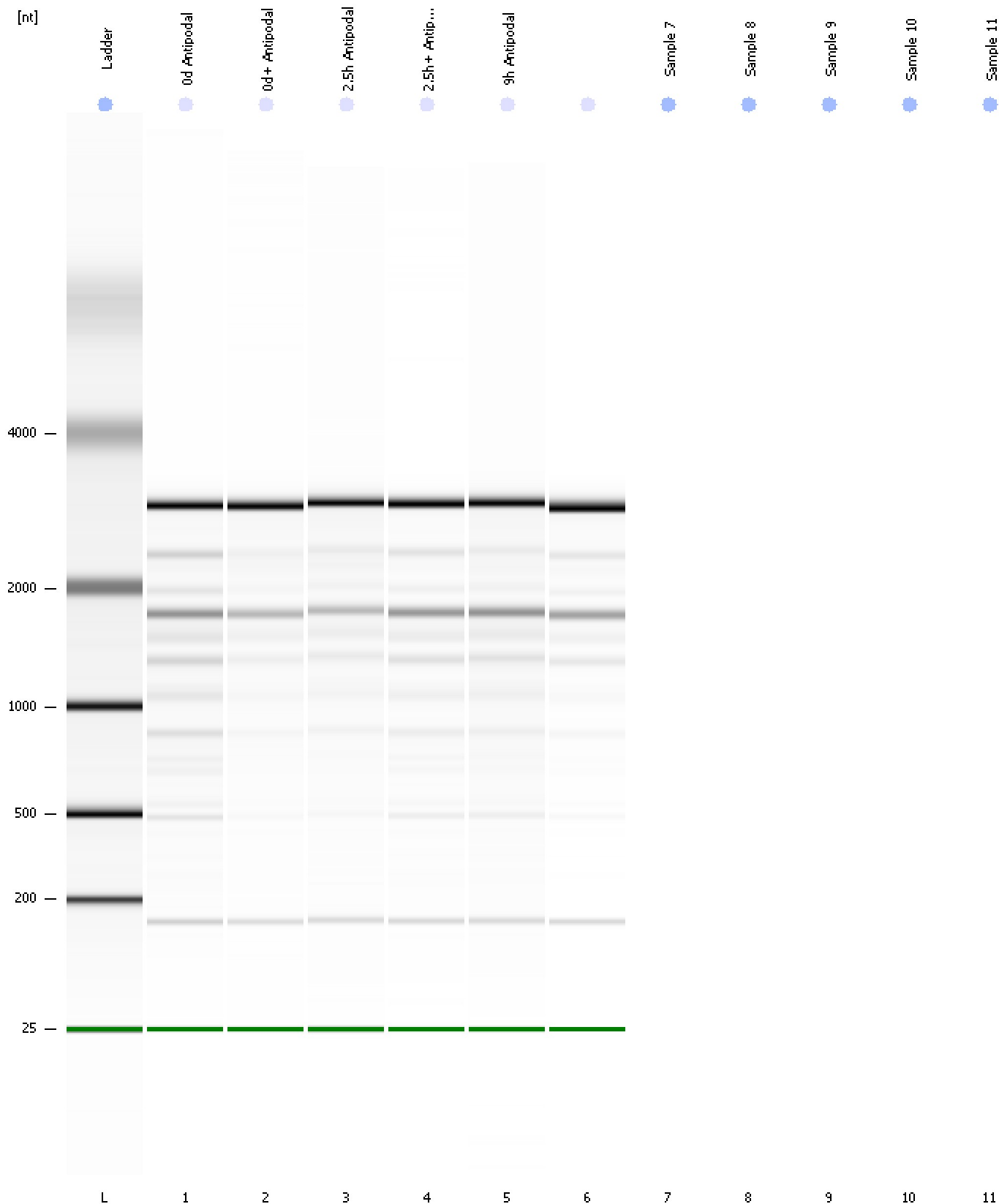
Fragment table for sample 6 :

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,903	396.1	14.7
28S	2,919	3,433	1,019.9	37.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Gel Image

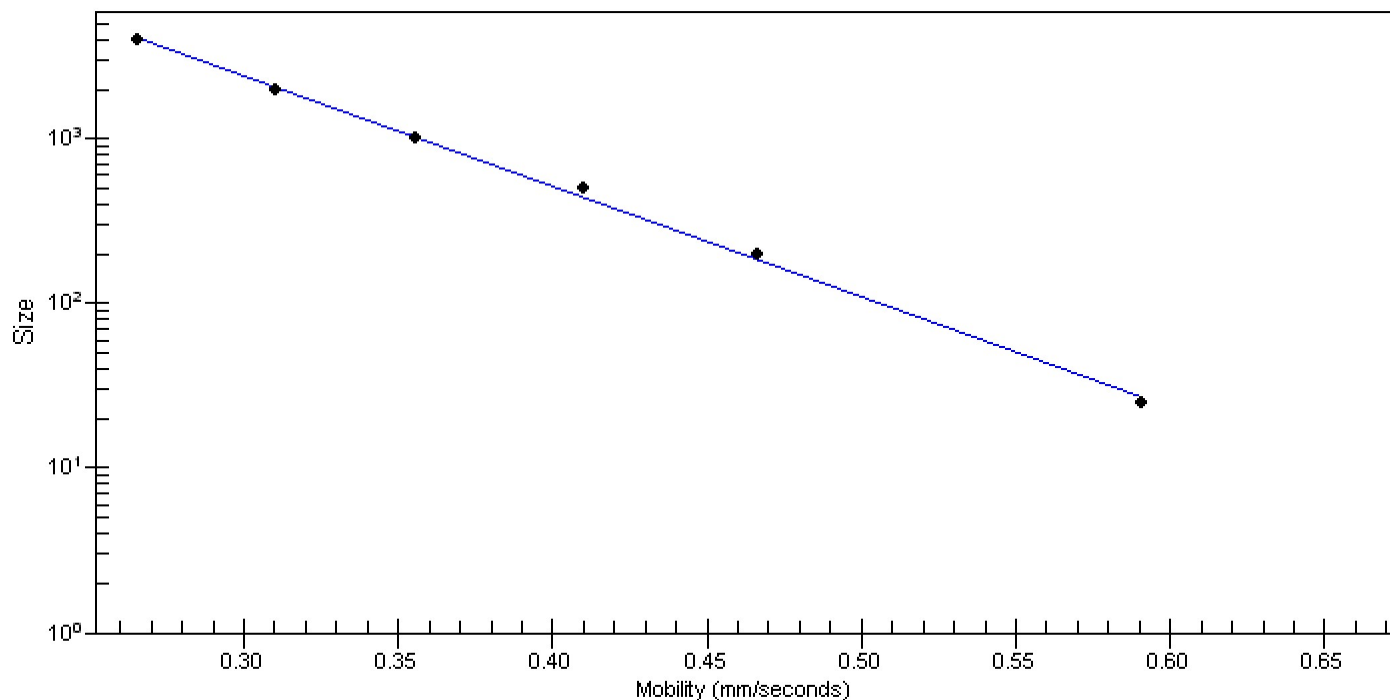


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
Modified: 6/21/2013 2:43:36 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad

Created: 6/21/2013 2:27:47 PM
 Modified: 6/21/2013 2:43:36 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		6/21/2013 2:43:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-06-21\2013-06-21_005.xad)		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/21/2013 2:27:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1