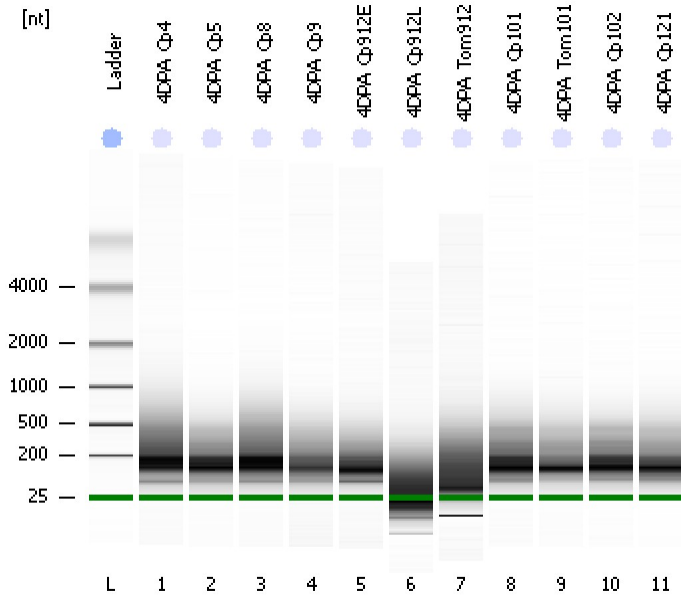


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electrophoresis File Run Summary



Instrument Information:

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

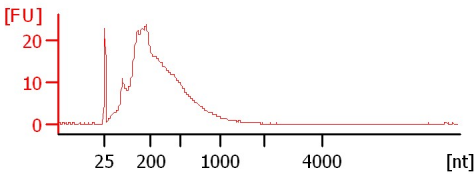
Assay Information:

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)
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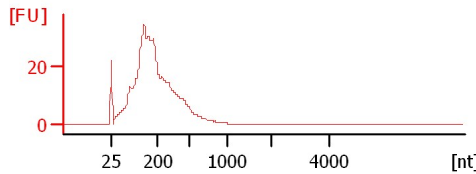
Chip Information:

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

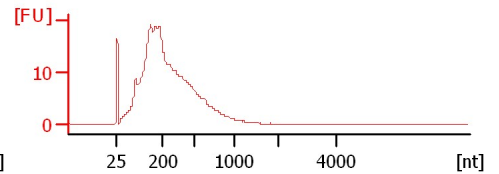
4DPA_Cp4
RIN: 2.30



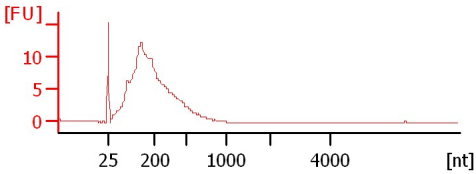
4DPA_Cp5
RIN: 2.40



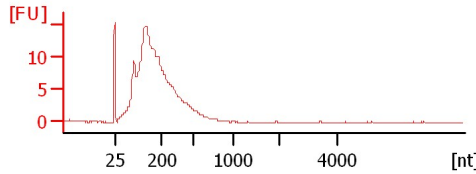
4DPA_Cp8
RIN: 2.30



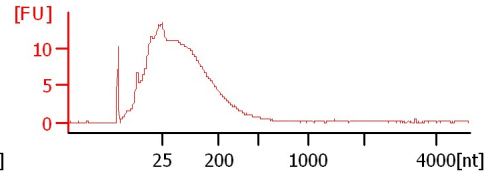
4DPA_Cp9
RIN: 2.40



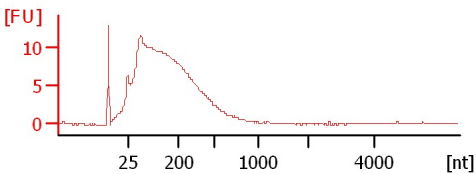
4DPA_Cp912E
RIN: 2.50



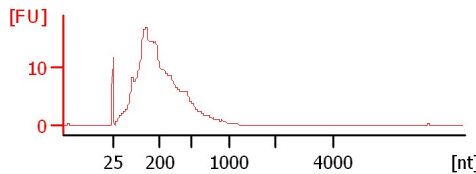
4DPA_Cp912L
RIN: 2.60



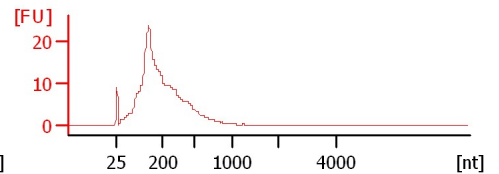
4DPA_Tom912
RIN: 2.40



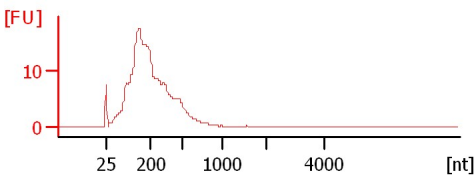
4DPA_Cp101
RIN: 2.30



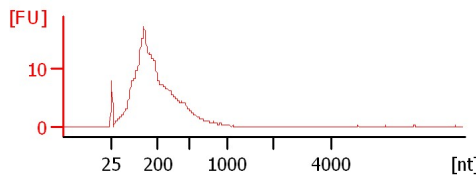
4DPA_Tom101
RIN: 2.30



4DPA_Cp102
RIN: 2.30



4DPA_Cp121
RIN: 2.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4DPA_Cp4		✓	RIN: 2.30	
4DPA_Cp5		✓	RIN: 2.40	
4DPA_Cp8		✓	RIN: 2.30	
4DPA_Cp9		✓	RIN: 2.40	
4DPA_Cp912E		✓	RIN: 2.50	
4DPA_Cp912L		✓	RIN: 2.60	
4DPA_Tom912		✓	RIN: 2.40	
4DPA_Cp101		✓	RIN: 2.30	
4DPA_Tom101		✓	RIN: 2.30	
4DPA_Cp102		✓	RIN: 2.30	
4DPA_Cp121		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

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

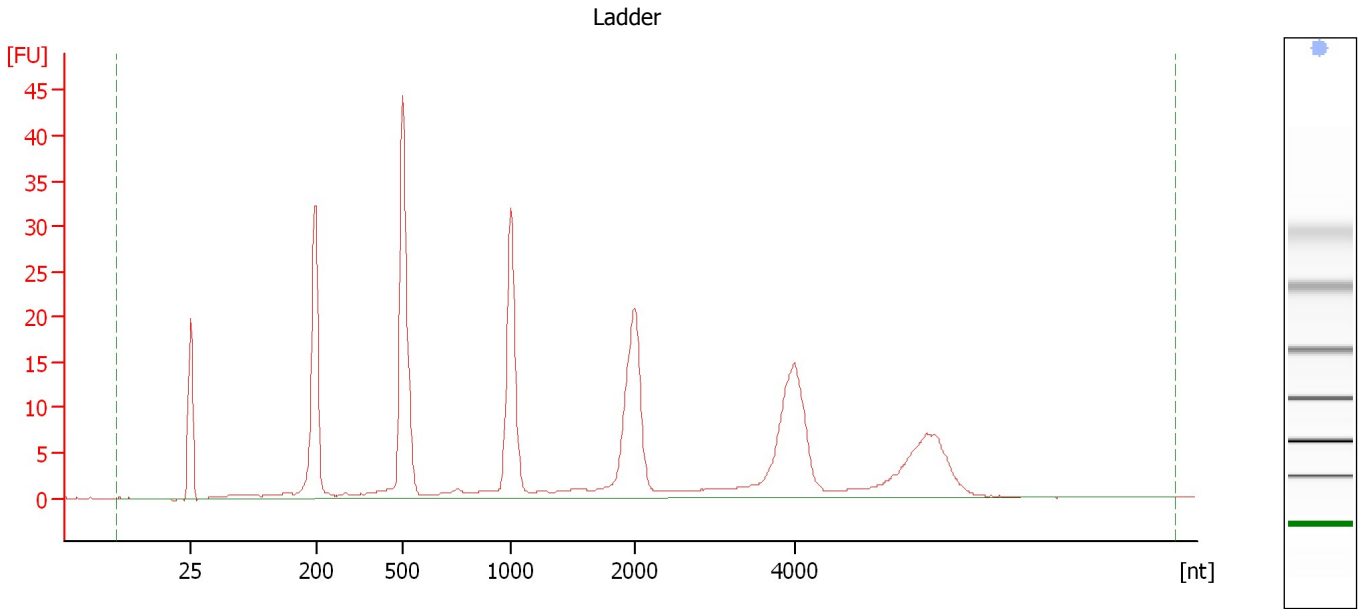
Ladder

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\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary



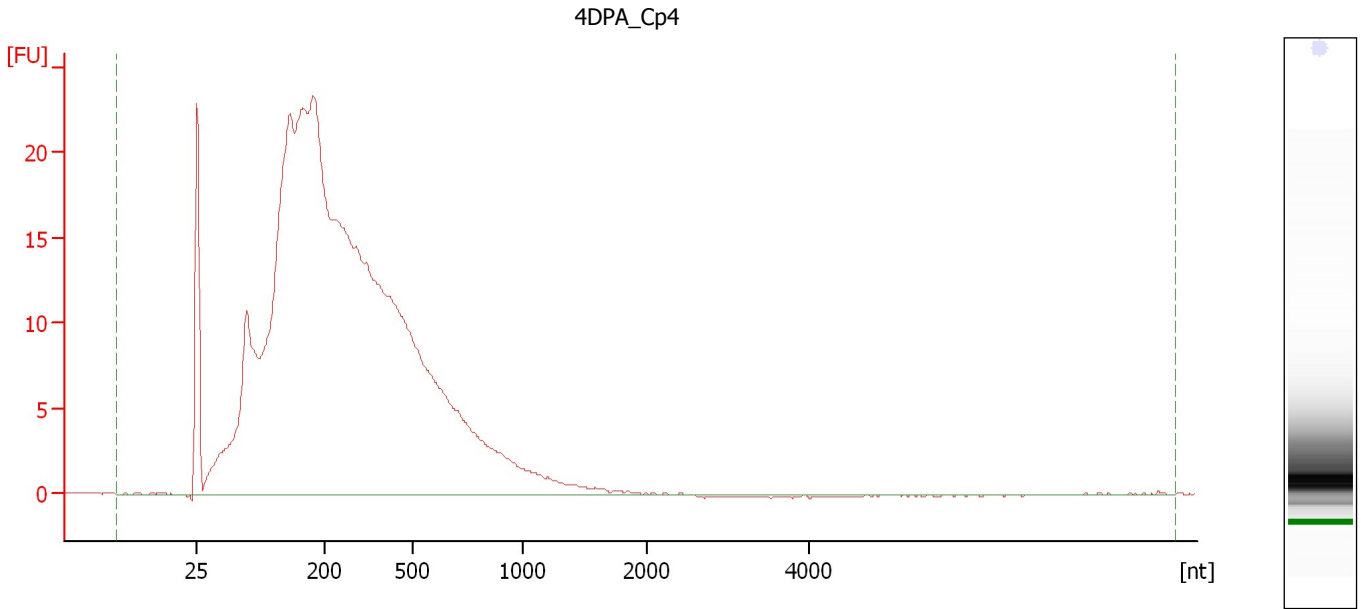
Overall Results for Ladder

RNA Area:	282.2	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\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...



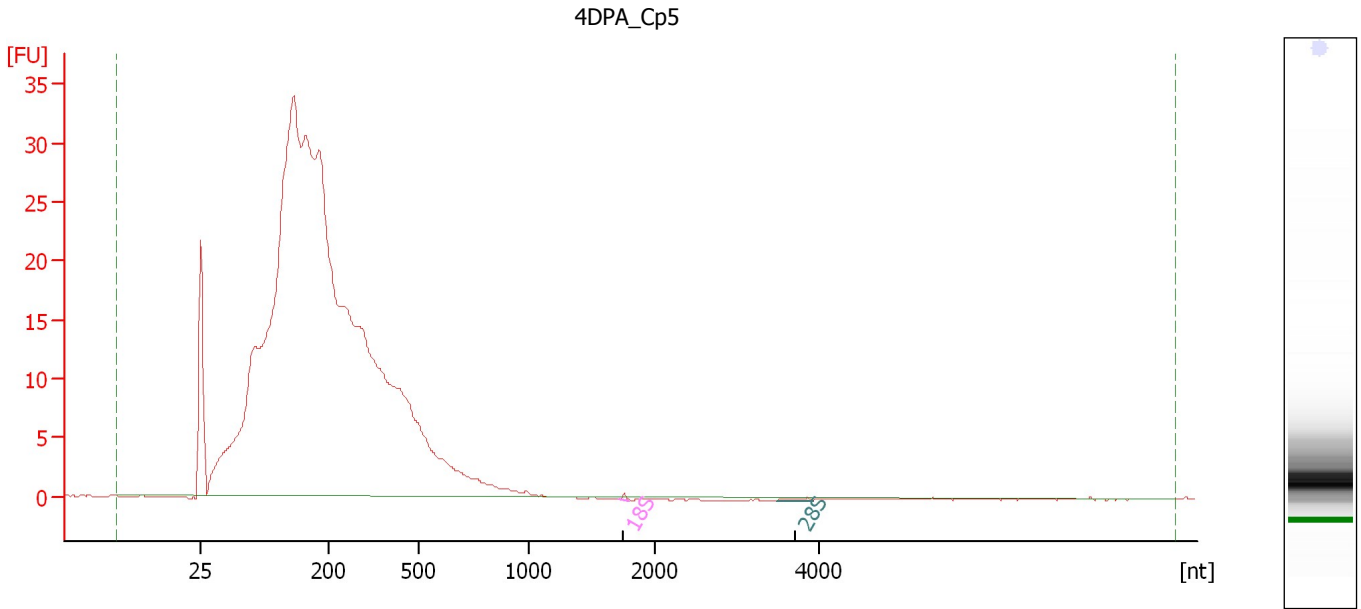
Overall Results for sample 1 : 4DPA_Cp4

RNA Area:	492.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,744 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4DPA Cp5

RNA Area: 538.6 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 1,908 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 2.40

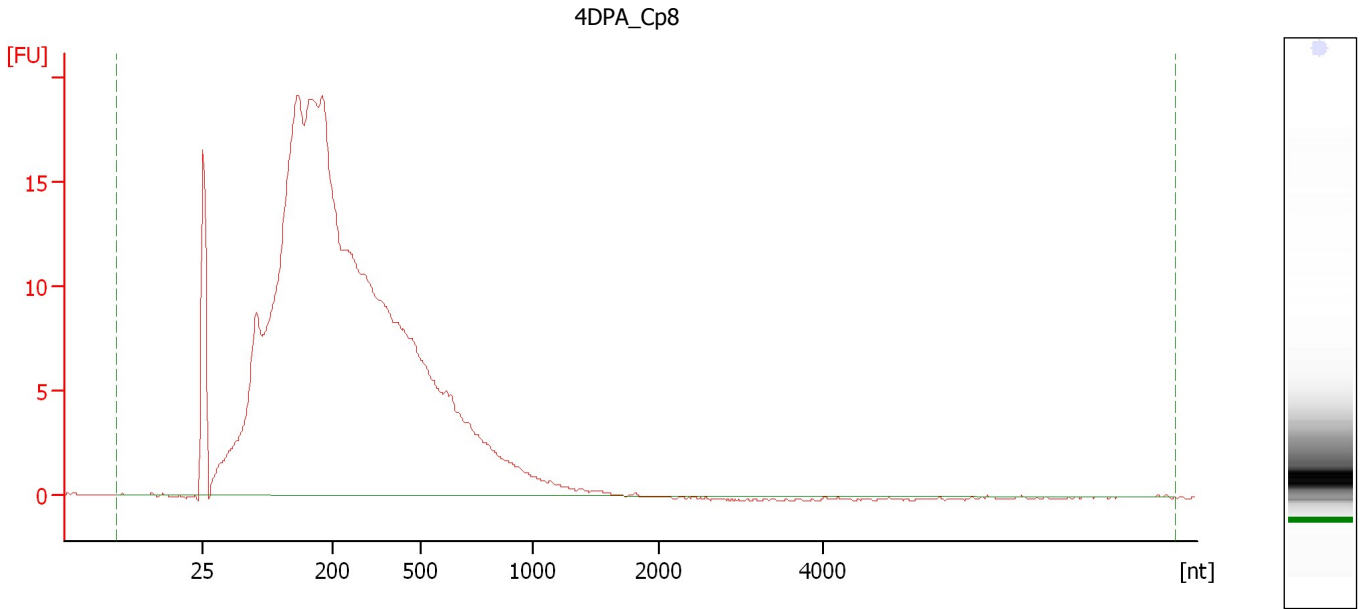
Fragment table for sample 2 : 4DPA Cp5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,803	0.3	0.0
28S	3,487	3,930	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...



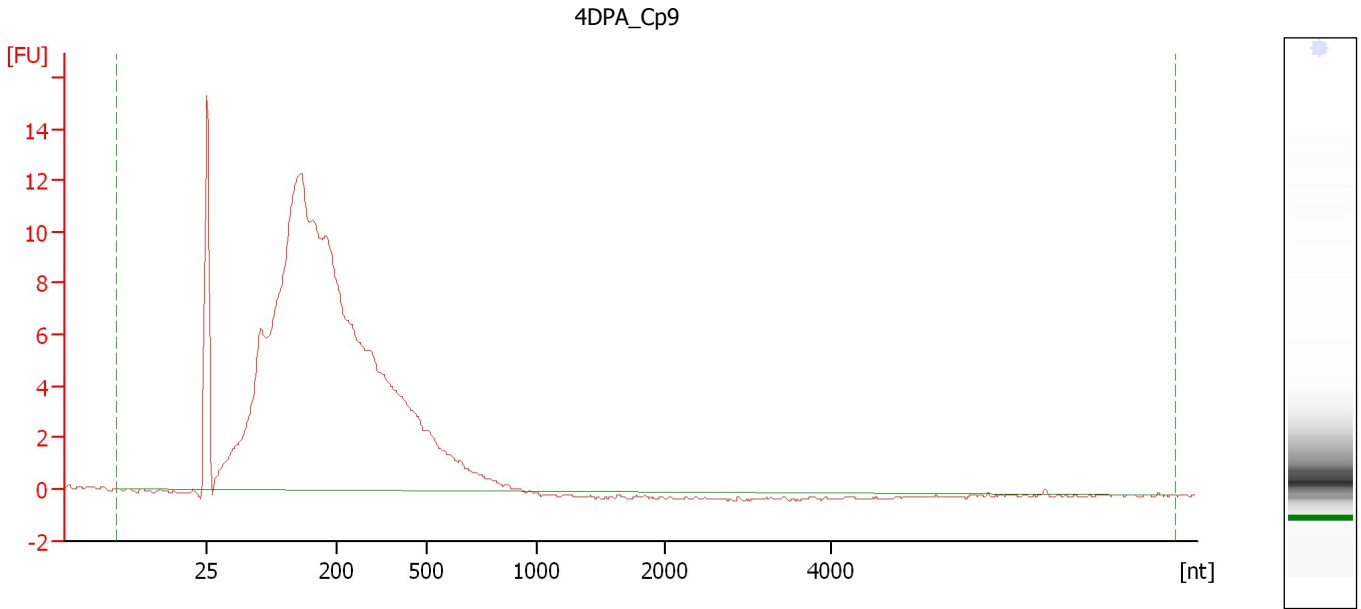
Overall Results for sample 3 : 4DPA_Cp8

RNA Area:	391.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,386 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4DPA_Cp9

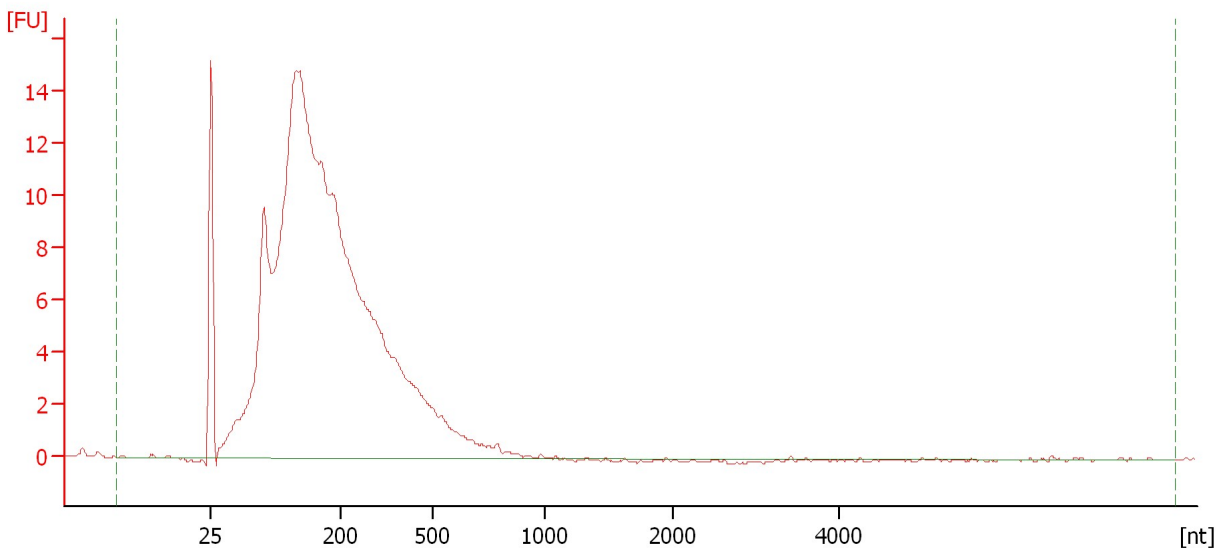
RNA Area:	210.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	746 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Cp912E



Overall Results for sample 5 : 4DPA_Cp912E

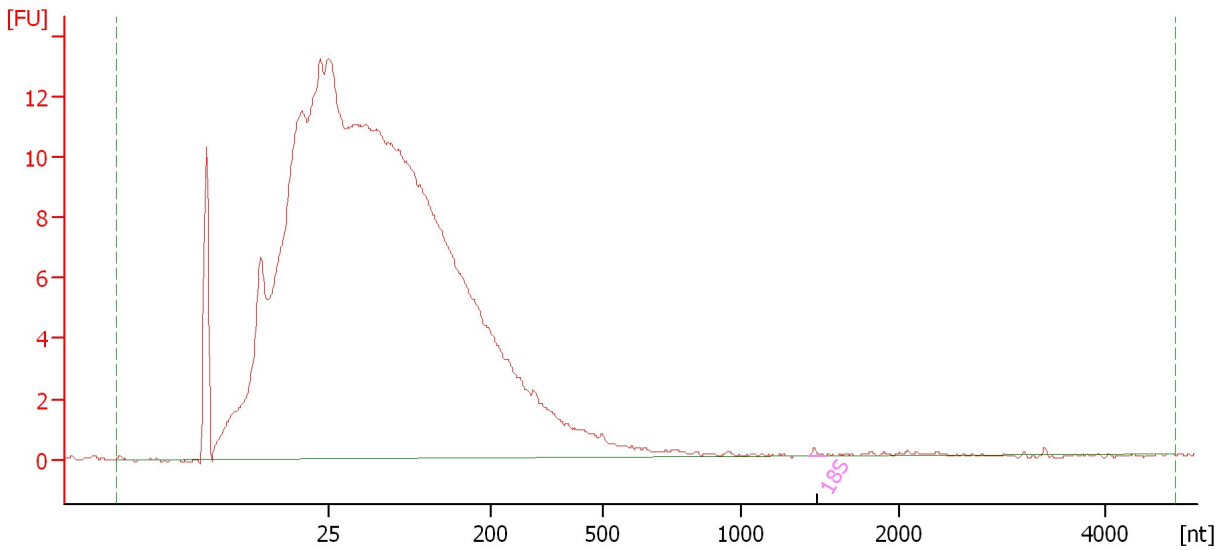
RNA Area:	228.2	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	809 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Cp912L



Overall Results for sample 6 : 4DPA Cp912L

RNA Area:	240.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	852 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 6 : 4DPA Cp912L

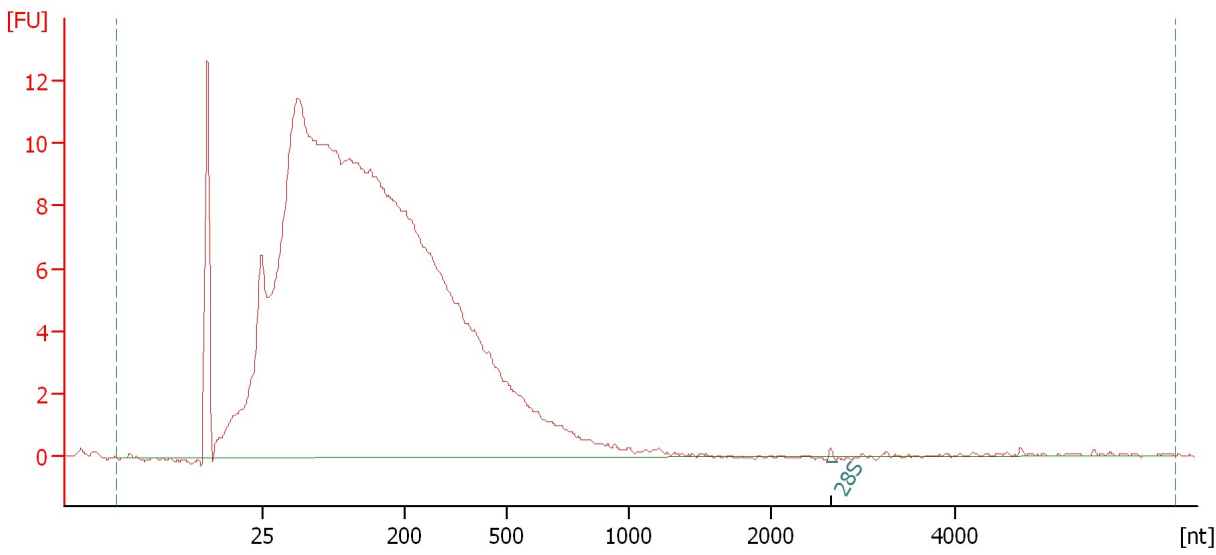
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,433	1,535	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Tom912



Overall Results for sample 7 : 4DPA Tom912

RNA Area:	290.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,029 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 7 : 4DPA Tom912

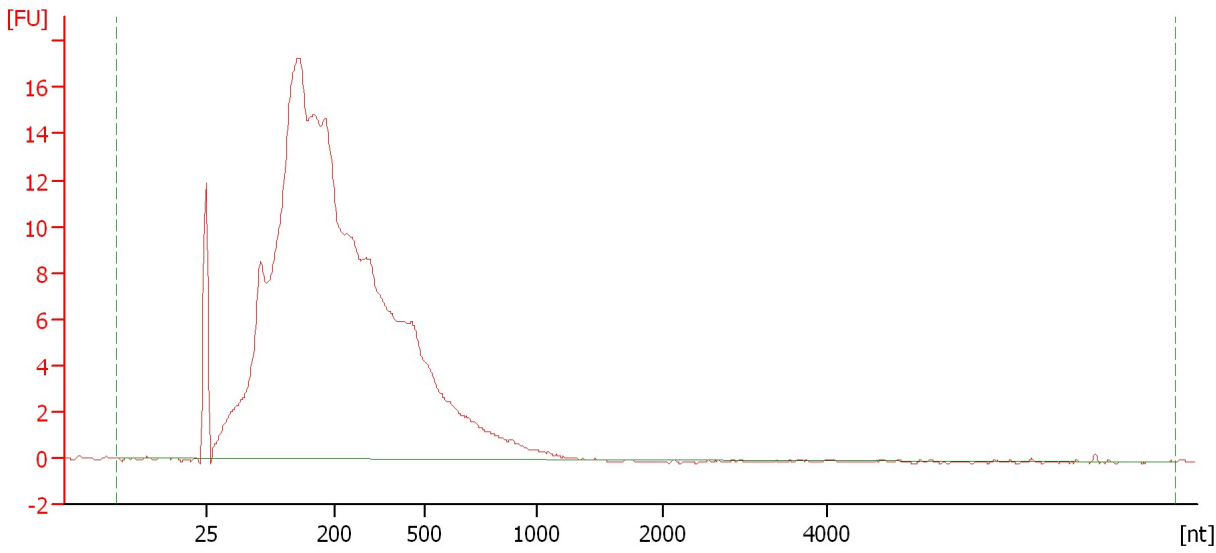
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,621	2,714	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Cp101



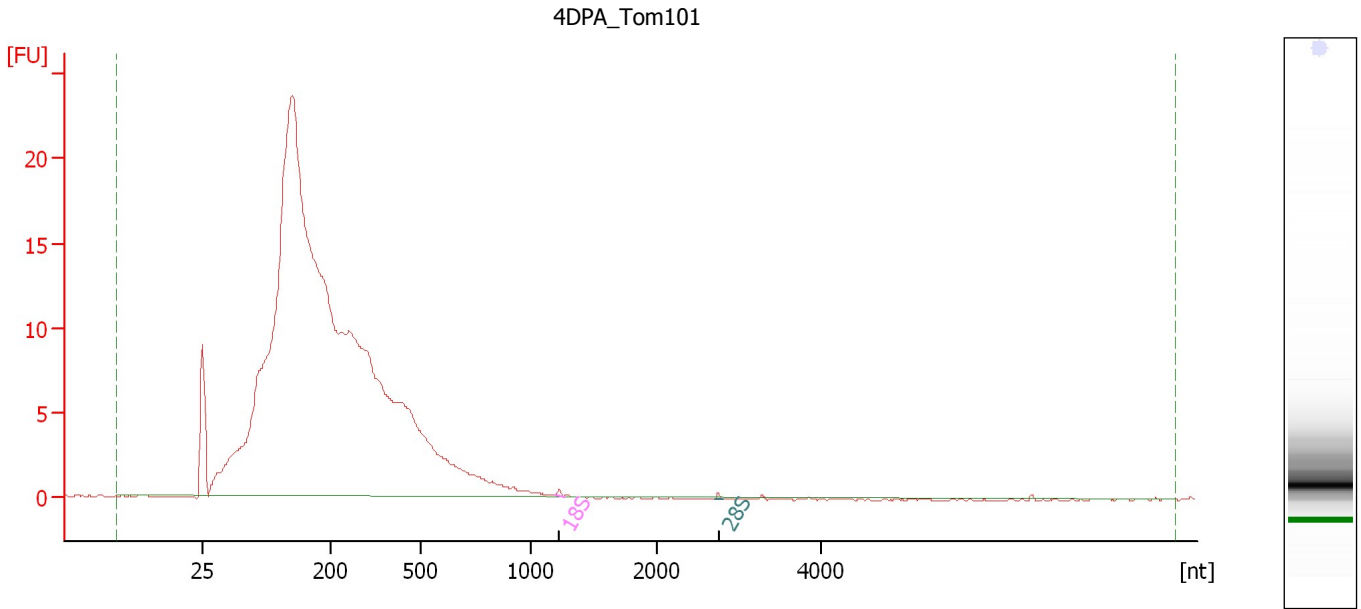
Overall Results for sample 8 : 4DPA_Cp101

RNA Area:	309.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,097 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4DPA Tom101

RNA Area: 323.2 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 1,145 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 2.30

Fragment table for sample 9 : 4DPA Tom101

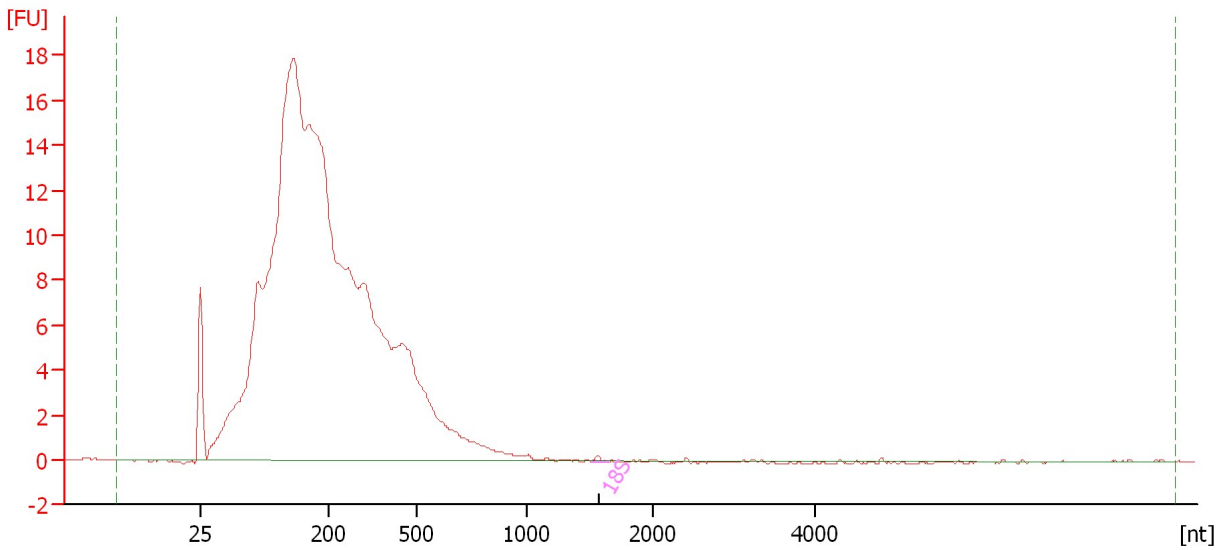
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,185	1,270	0.2	0.1
28S	2,716	2,808	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Cp102



Overall Results for sample 10 : 4DPA Cp102

RNA Area:	288.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,023 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 10 : 4DPA Cp102

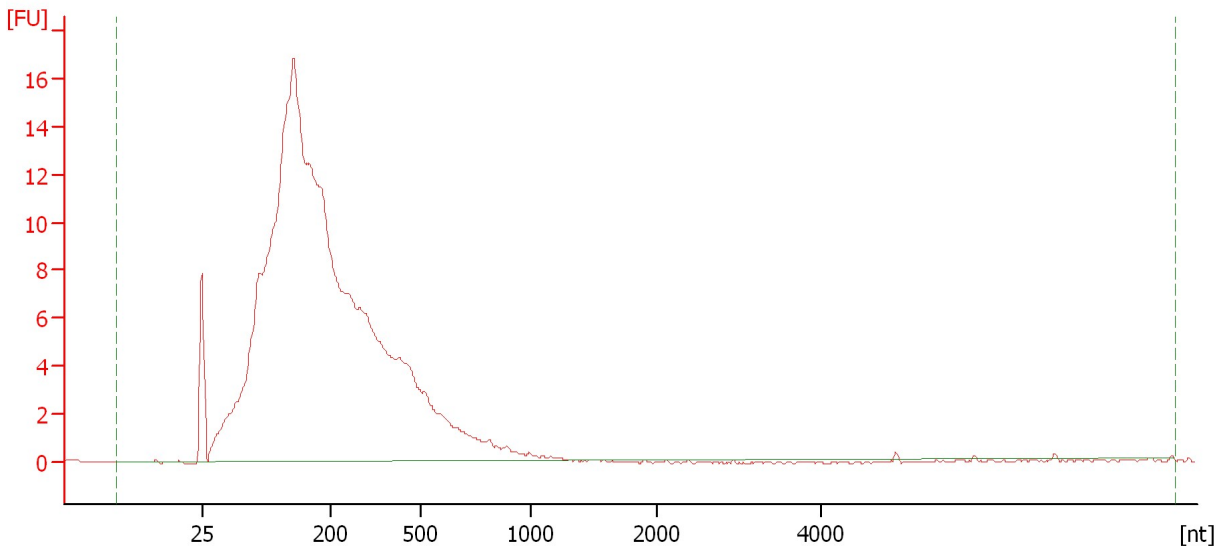
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,649	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Electropherogram Summary Continued ...

4DPA_Cp121



Overall Results for sample 11 : 4DPA_Cp121

RNA Area:	258.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	917 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06_002.xad

Created: 1/6/2014 11:02:30 AM
Modified: 1/6/2014 11:24:36 AM

Gel Image

