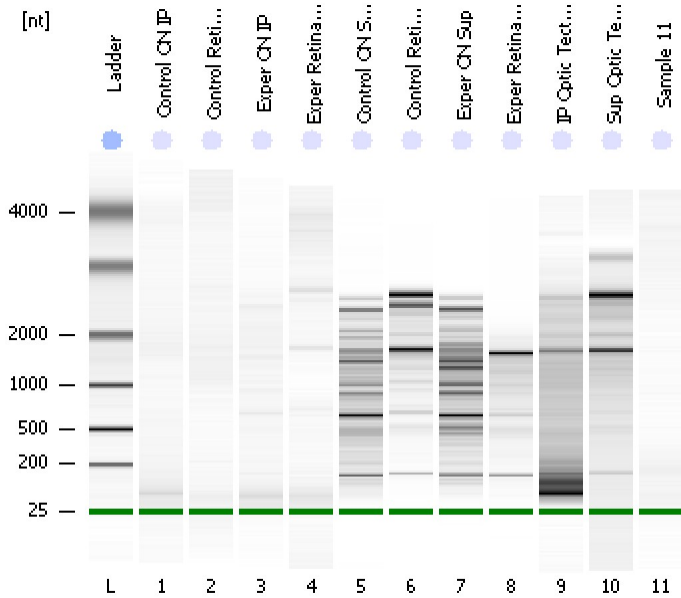


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electrophoresis File Run Summary



Instrument Information:

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

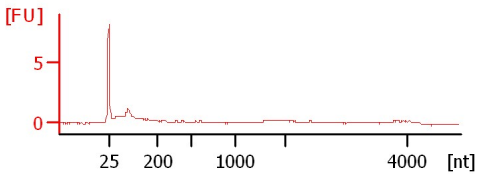
Assay Information:

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.

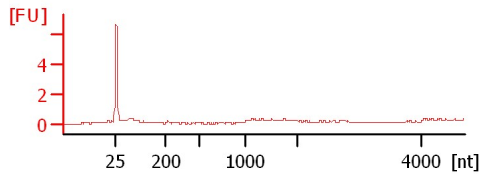
Chip Information:

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

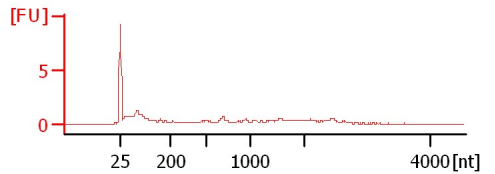
Control ON IP RIN: 1.60



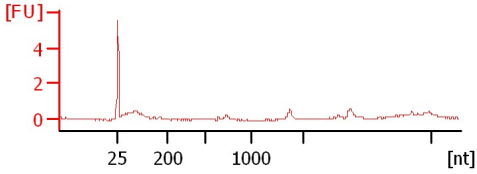
Control Retina IP RIN: 1



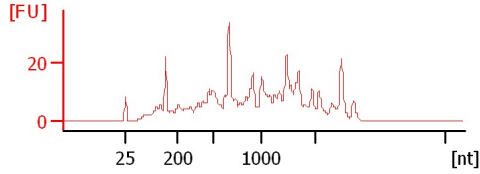
Exper ON IP RIN: 1.50



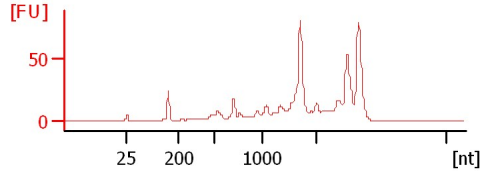
Exper Retina IP RIN: 1.10



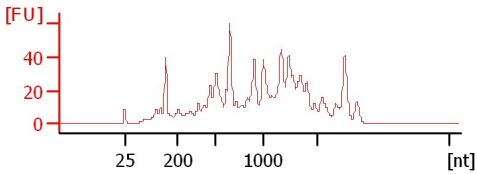
Control ON Sup RIN: 3.80



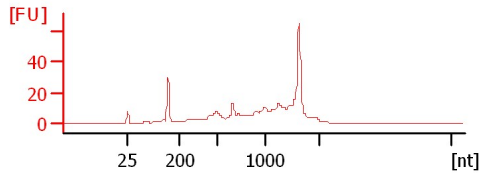
Control Retina Sup RIN: 7.20



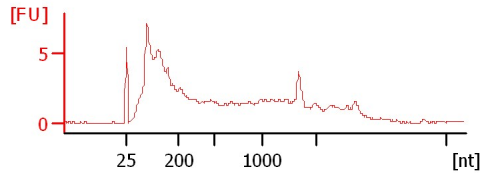
Exper ON Sup RIN: 3.70



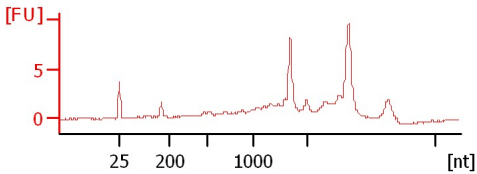
Exper Retina Sup RIN: 5.40



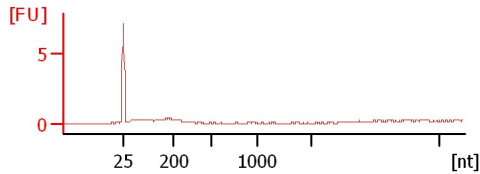
IP Optic Tectum RIN: 3



Sup Optic Tectum RIN: 7



Sample 11 RIN: 1



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Control ON IP		✓	RIN: 1.60	
Control Retina IP		✓	RIN:1	
Exper ON IP		✓	RIN: 1.50	
Exper Retina IP		✓	RIN: 1.10	
Control ON Sup		✓	RIN: 3.80	
Control Retina Sup		✓	RIN: 7.20	
Exper ON Sup		✓	RIN: 3.70	
Exper Retina Sup		✓	RIN: 5.40	
IP Optic Tectum		✓	RIN:3	
Sup Optic Tectum		✓	RIN:7	
Sample 11		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 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

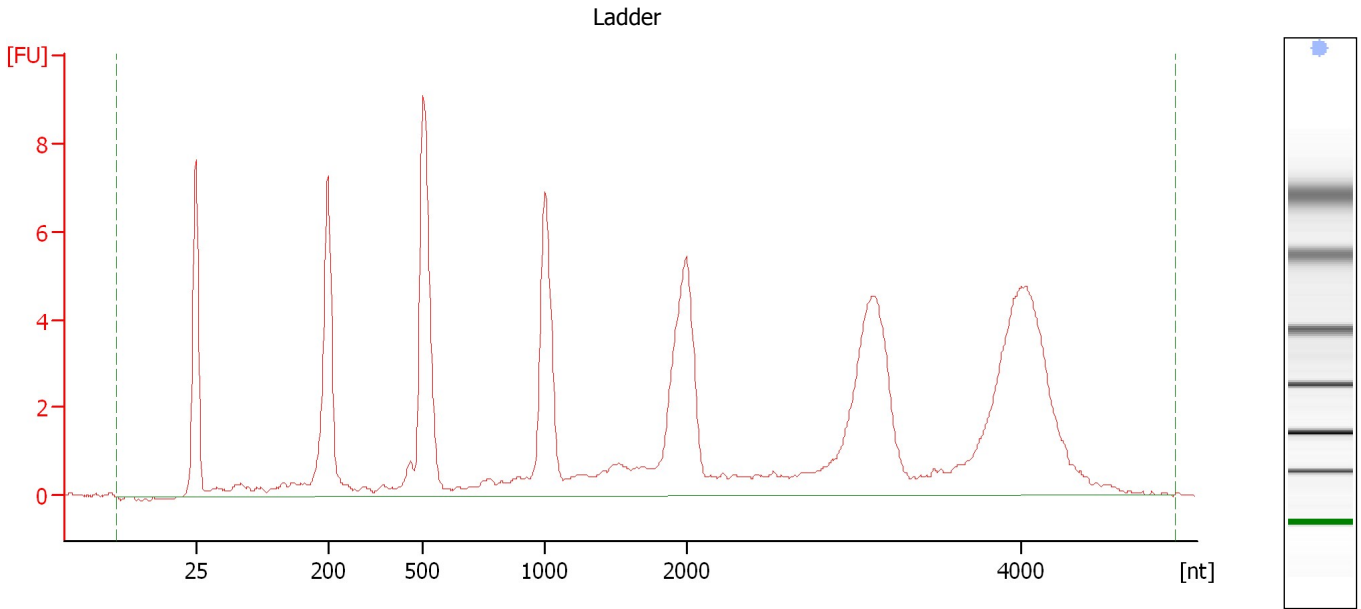
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary



Overall Results for Ladder

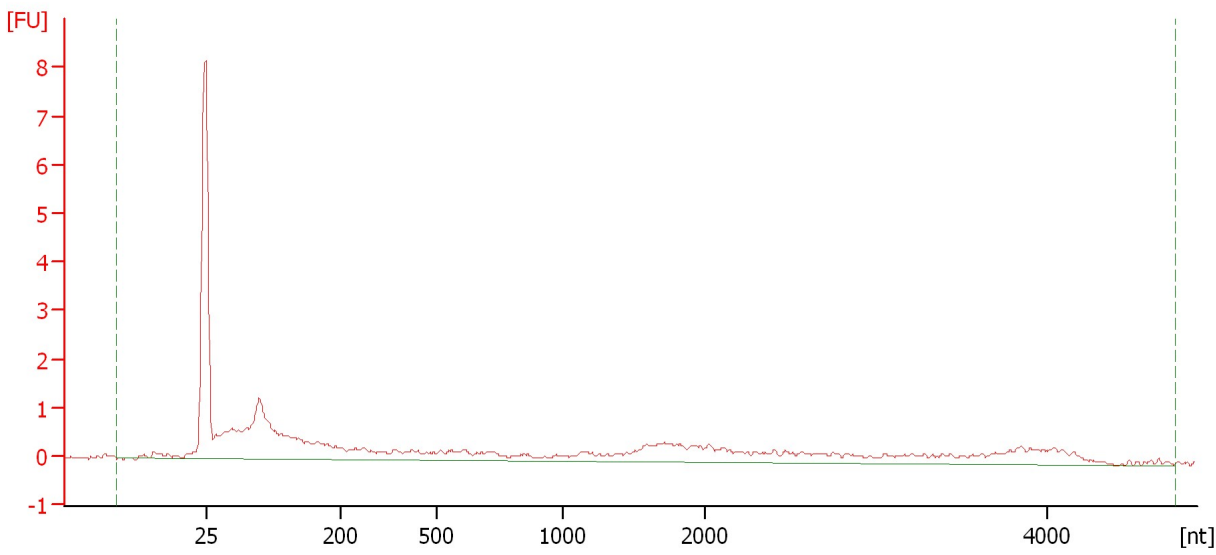
RNA Area:	112.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...

Control ON IP



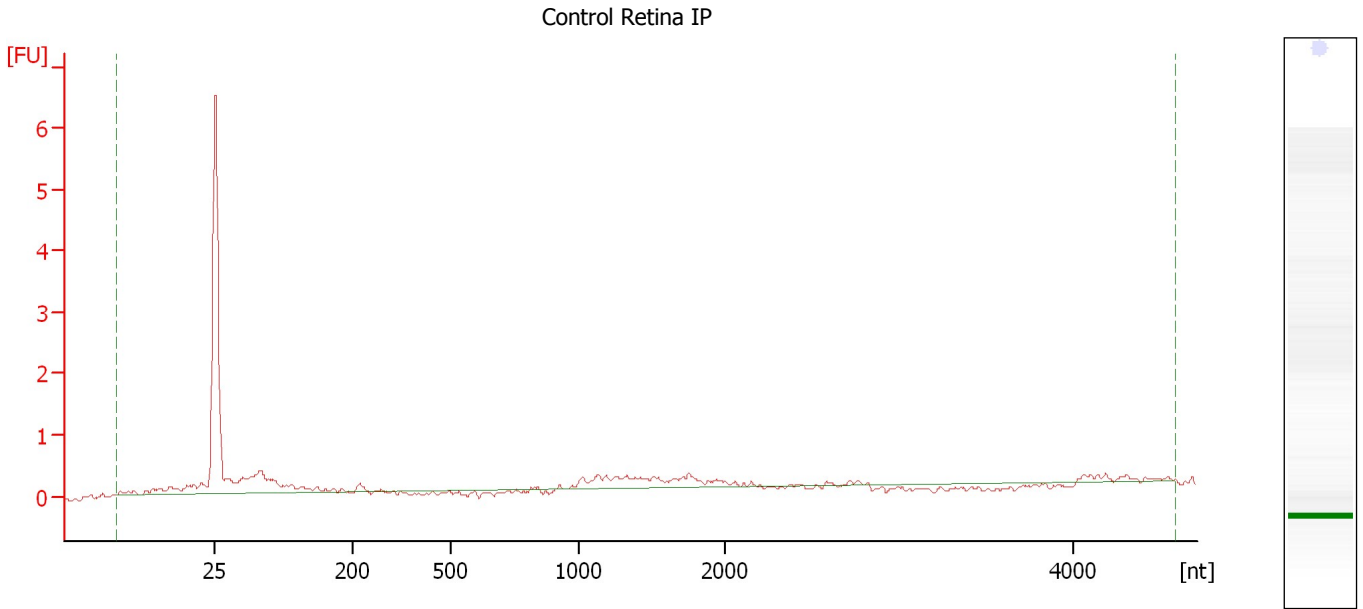
Overall Results for sample 1 : Control ON IP

RNA Area:	26.2	RNA Integrity Number (RIN):	1.6 (B.02.08)
RNA Concentration:	233 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



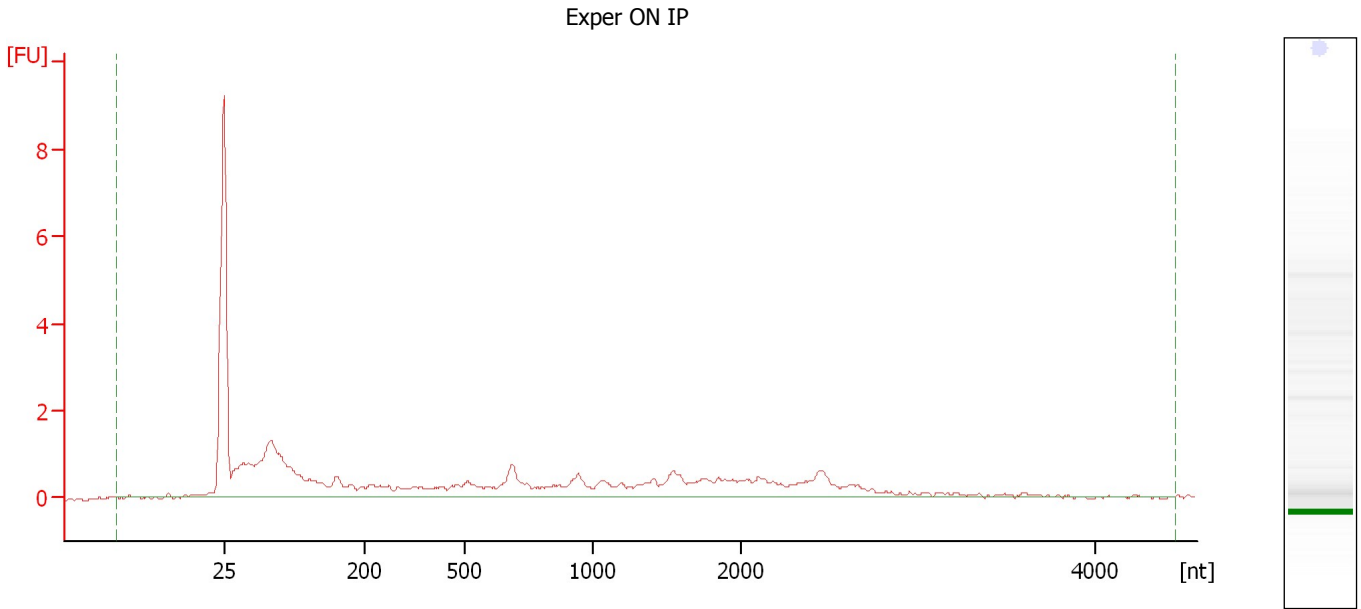
Overall Results for sample 2 : Control Retina IP

RNA Area:	7.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	63 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Exper ON IP

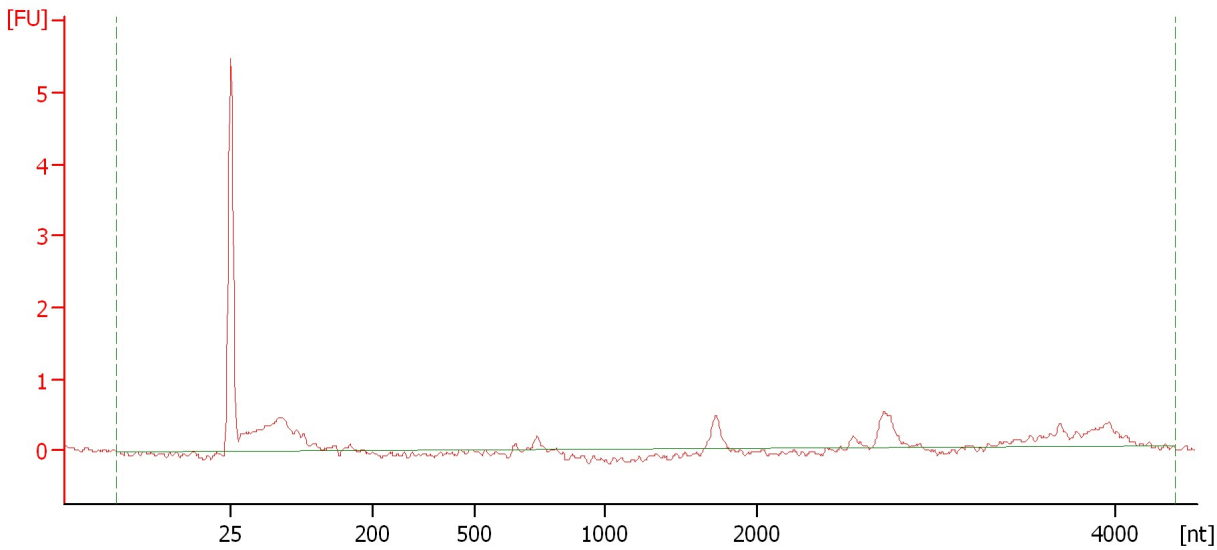
RNA Area:	30.8	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	273 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...

Exper Retina IP



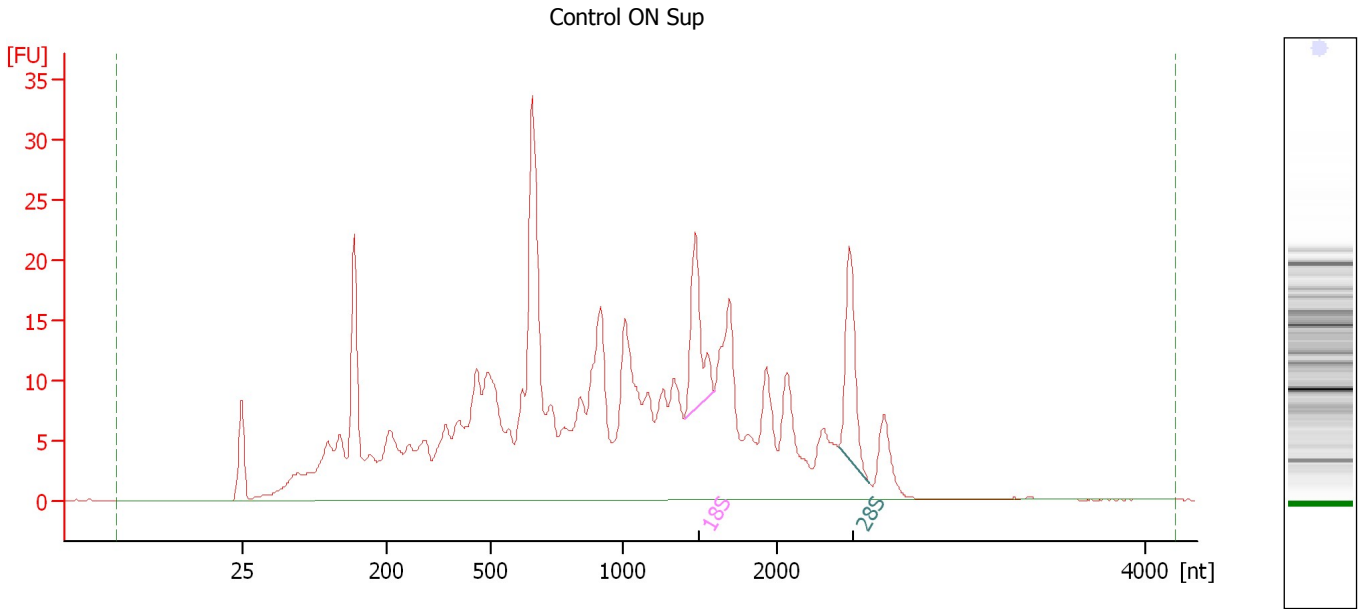
Overall Results for sample 4 : Exper Retina IP

RNA Area:	7.4	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	66 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Control ON Sup

RNA Area: 511.4 RNA Integrity Number (RIN): 3.8 (B.02.08)
RNA Concentration: 4,542 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 3.80

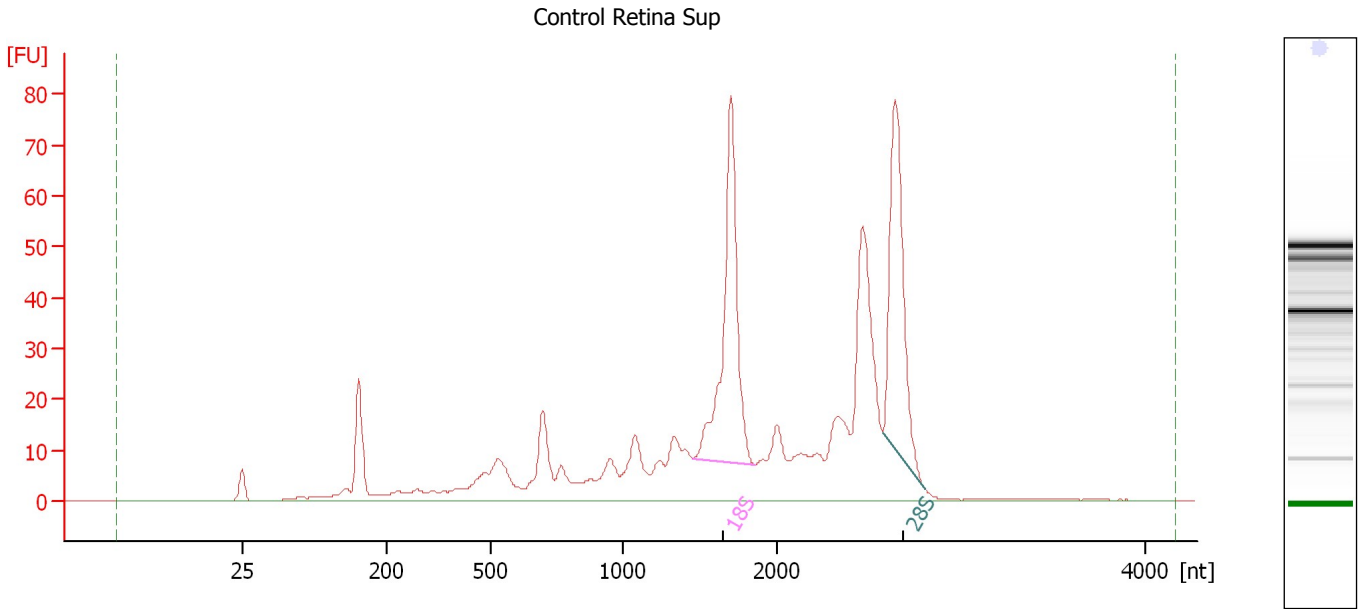
Fragment table for sample 5 : Control ON Sup

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,587	16.2	3.2
28S	2,329	2,498	16.5	3.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
 Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Control Retina Sup

RNA Area:	683.2	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	6,068 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.20

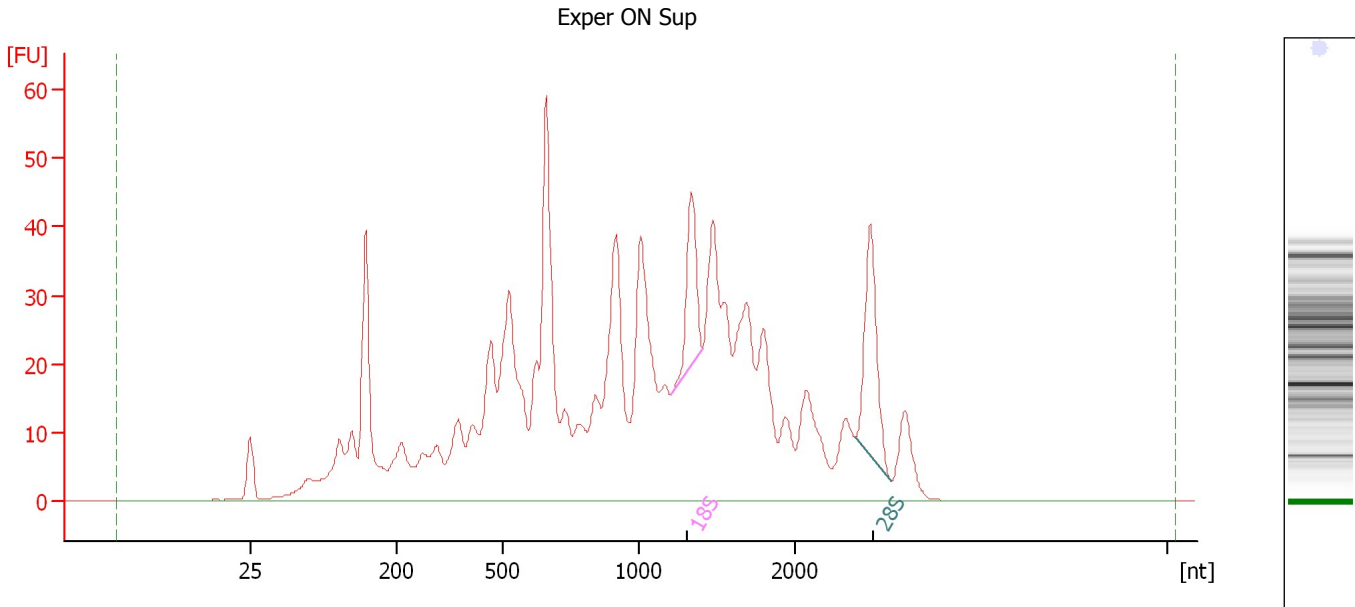
Fragment table for sample 6 : Control Retina Sup

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,448	1,850	109.3	16.0
28S	2,568	2,807	89.2	13.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
 Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Exper ON Sup

RNA Area:	1,053.6	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	9,359 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 3.70

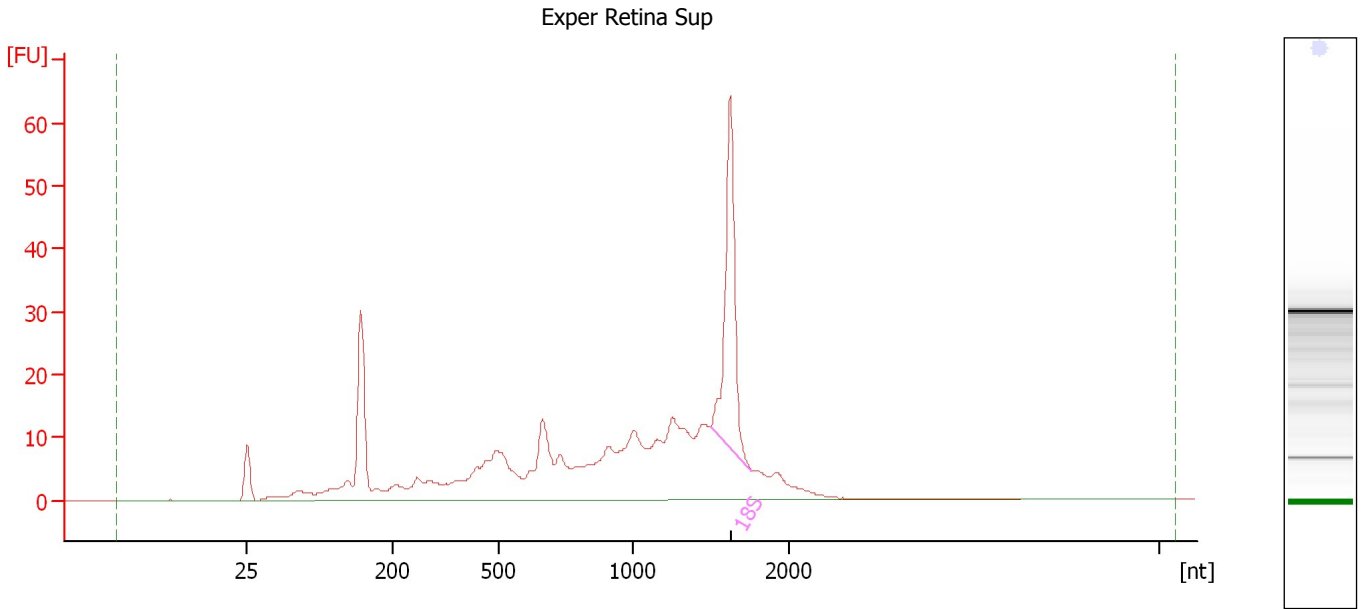
Fragment table for sample 7 : Exper ON Sup

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,211	1,409	26.9	2.6
28S	2,324	2,513	39.7	3.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Exper Retina Sup

RNA Area:	403.1	RNA Integrity Number (RIN):	5.4 (B.02.08)
RNA Concentration:	3,580 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.40

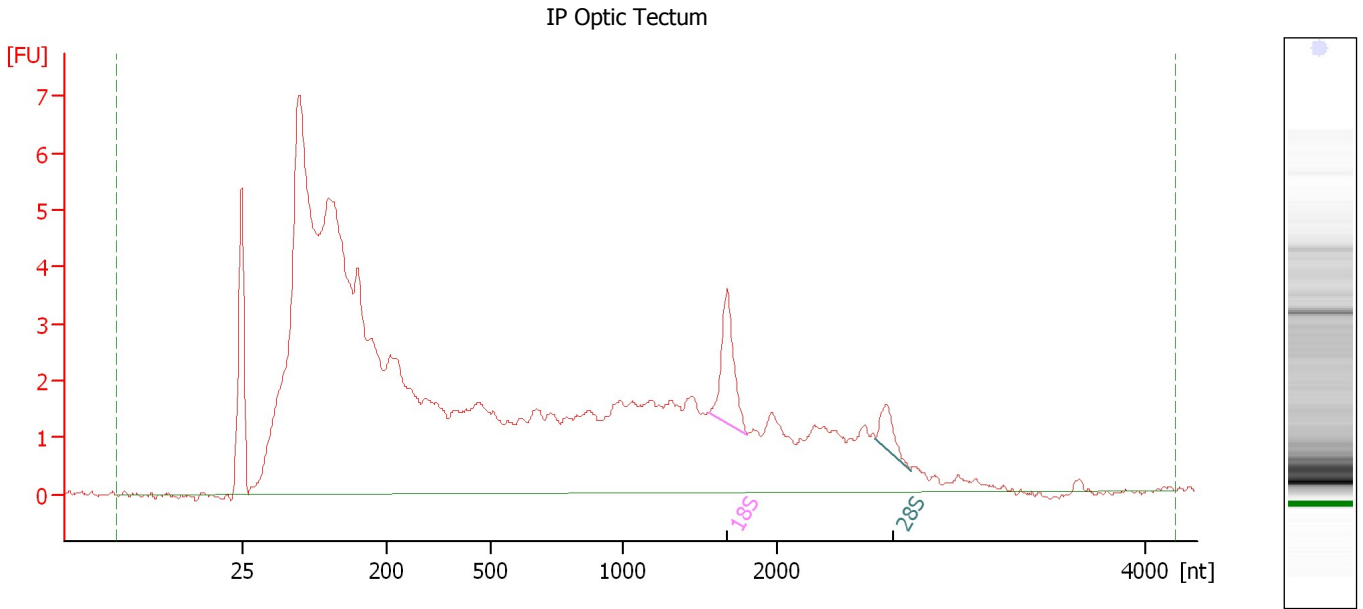
Fragment table for sample 8 : Exper Retina Sup

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	1,763	60.7	15.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : IP Optic Tectum

RNA Area: 154.6 RNA Integrity Number (RIN): 3 (B.02.08)
RNA Concentration: 1,373 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN:3

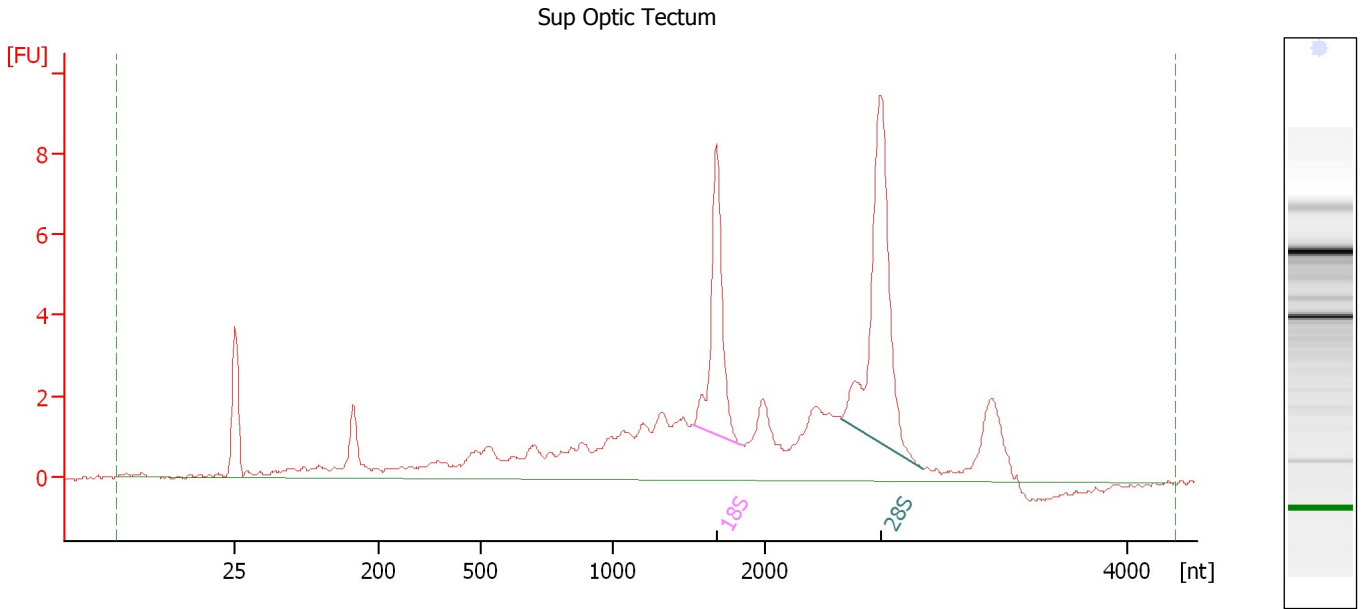
Fragment table for sample 9 : IP Optic Tectum

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,802	3.2	2.0
28S	2,533	2,725	1.0	0.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
 Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sup Optic Tectum

RNA Area: 87.6 RNA Integrity Number (RIN): 7 (B.02.08)
 RNA Concentration: 779 µg/µl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN:7

Fragment table for sample 10 : Sup Optic Tectum

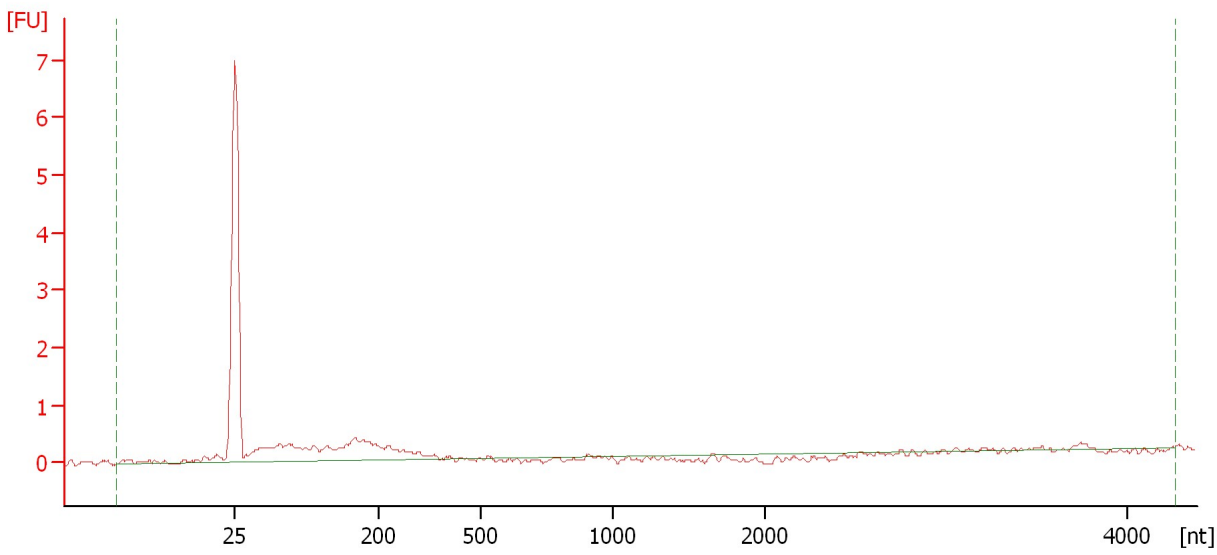
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,841	9.3	10.6
28S	2,421	2,869	15.0	17.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	7.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	67 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-28\2017-09-28_001.xad

Created: 9/28/2017 2:40:07 PM
Modified: 9/28/2017 3:03:03 PM

Gel Image

