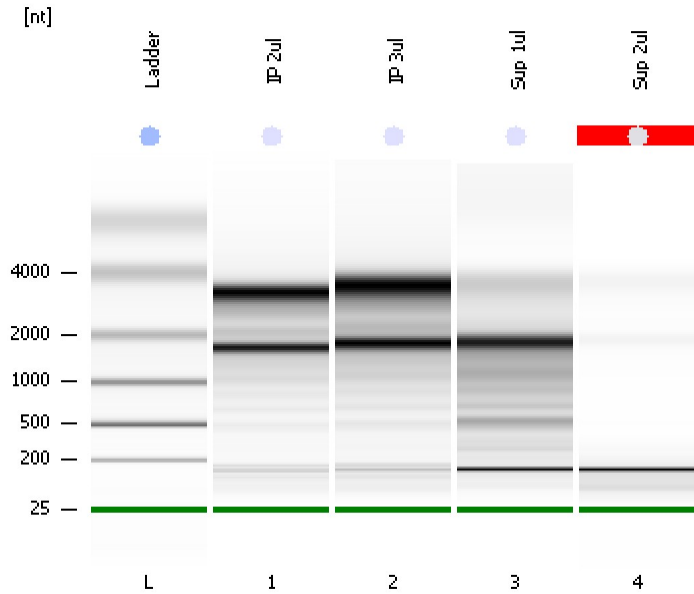


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electrophoresis File Run Summary



Instrument Information:

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

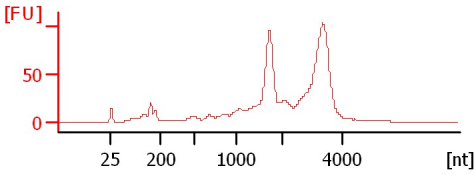
Assay Information:

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.

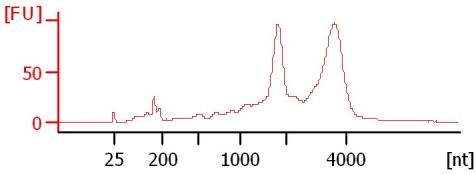
Chip Information:

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

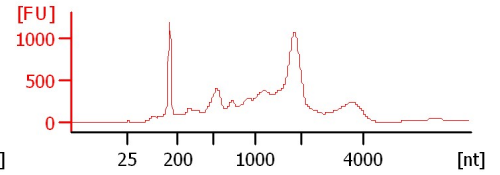
IP 2ul
 QC_135
 RIN: 8.90



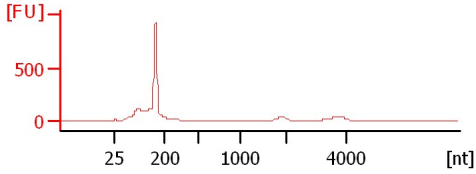
IP 3ul
 QC_135
 RIN: 9.20



Sup 1ul
 QC_135
 RIN: 6.70



Sup 2ul
 QC_135
 RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
IP 2ul	QC_135	✓	RIN: 8.90	
IP 3ul	QC_135	✓	RIN: 9.20	
Sup 1ul	QC_135	✓	RIN: 6.70	
Sup 2ul	QC_135	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:51:47 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

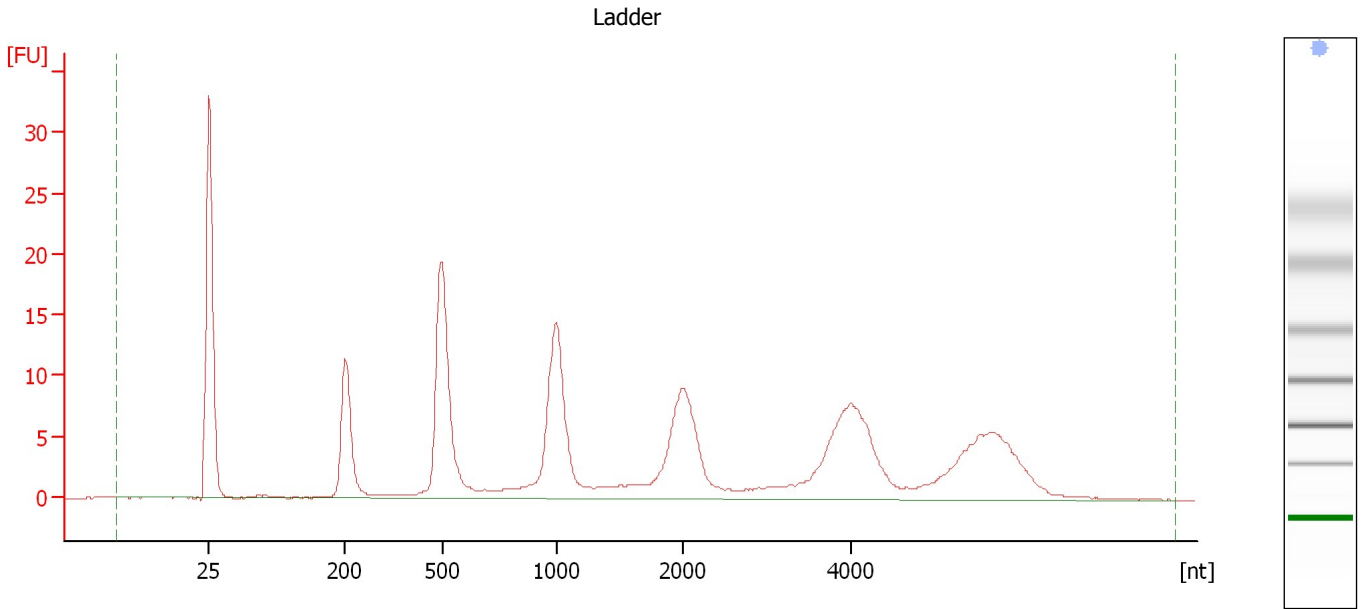
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:51:47 PM

Electropherogram Summary



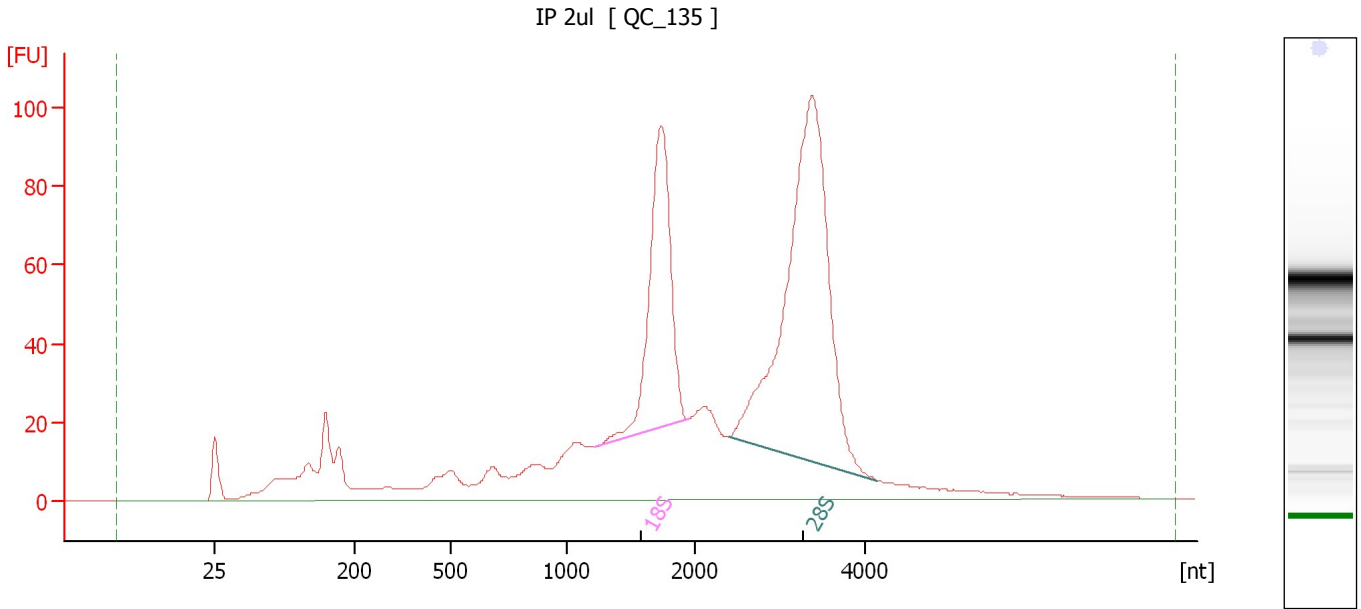
Overall Results for Ladder

RNA Area:	216.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : IP 2ul

RNA Area:	1,354.0	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	6,266 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.90

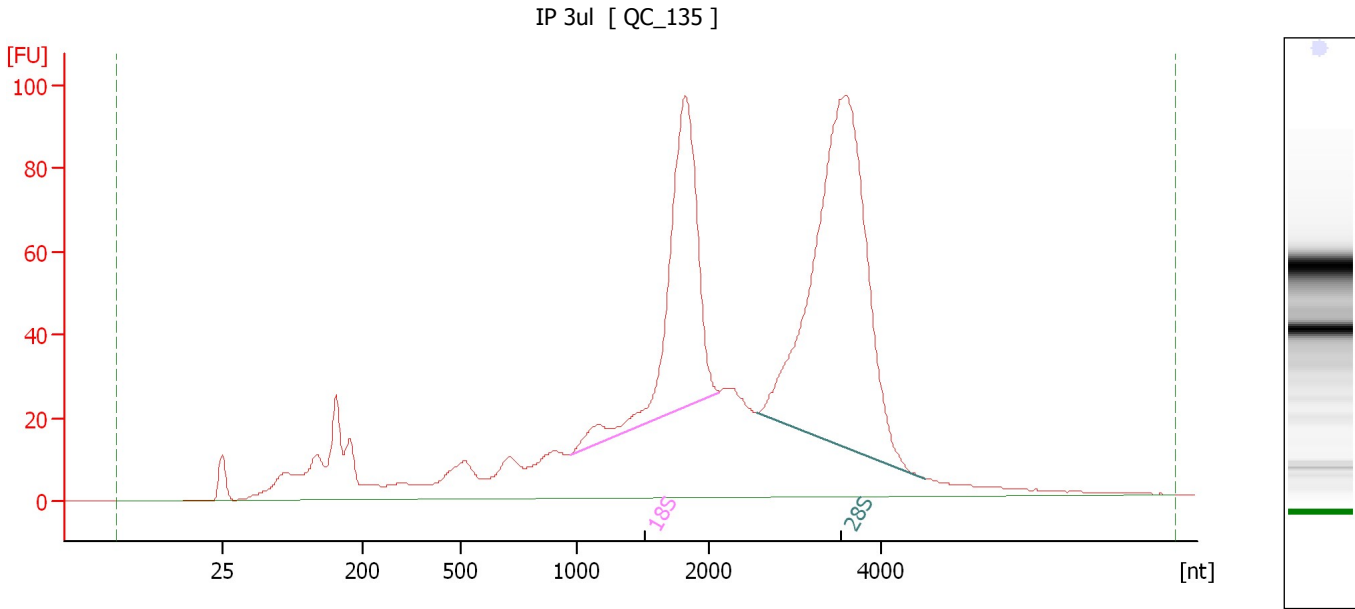
Fragment table for sample 1 : IP 2ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,214	1,945	195.2	14.4
28S	2,382	4,143	409.6	30.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : IP 3ul

RNA Area:	1,593.8	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	7,375 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.20

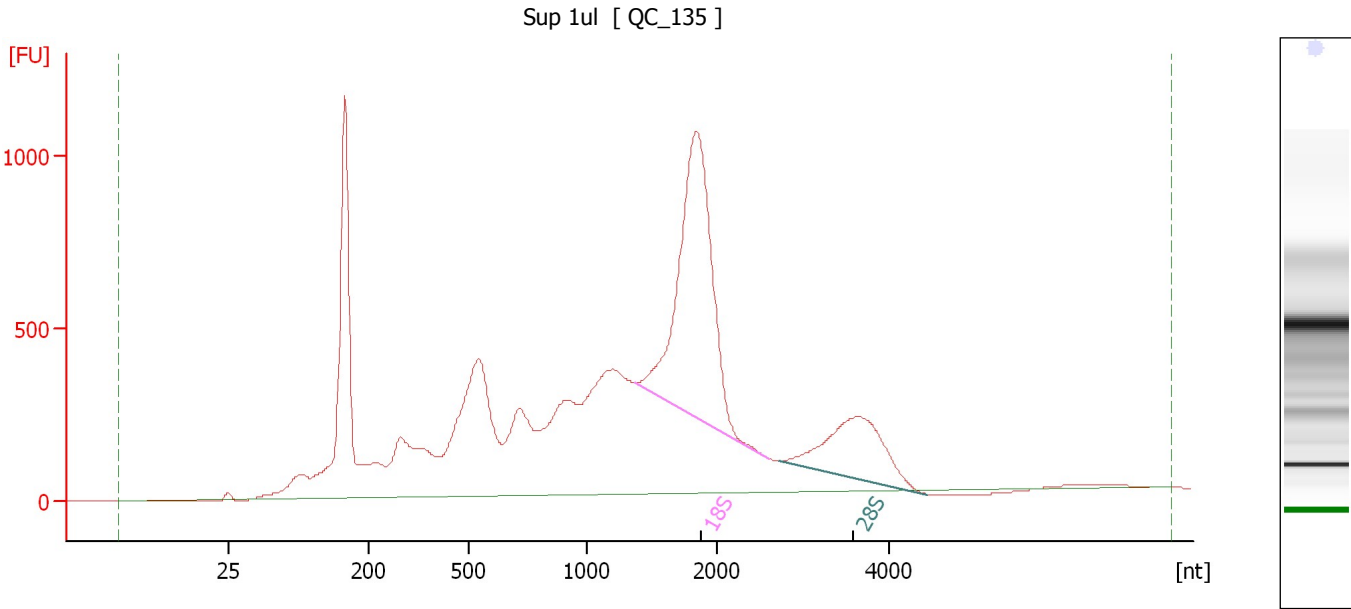
Fragment table for sample 2 : IP 3ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	967	2,134	252.6	15.8
28S	2,556	4,519	458.2	28.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sup 1ul

RNA Area:	17,889.1	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	82,786 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.70

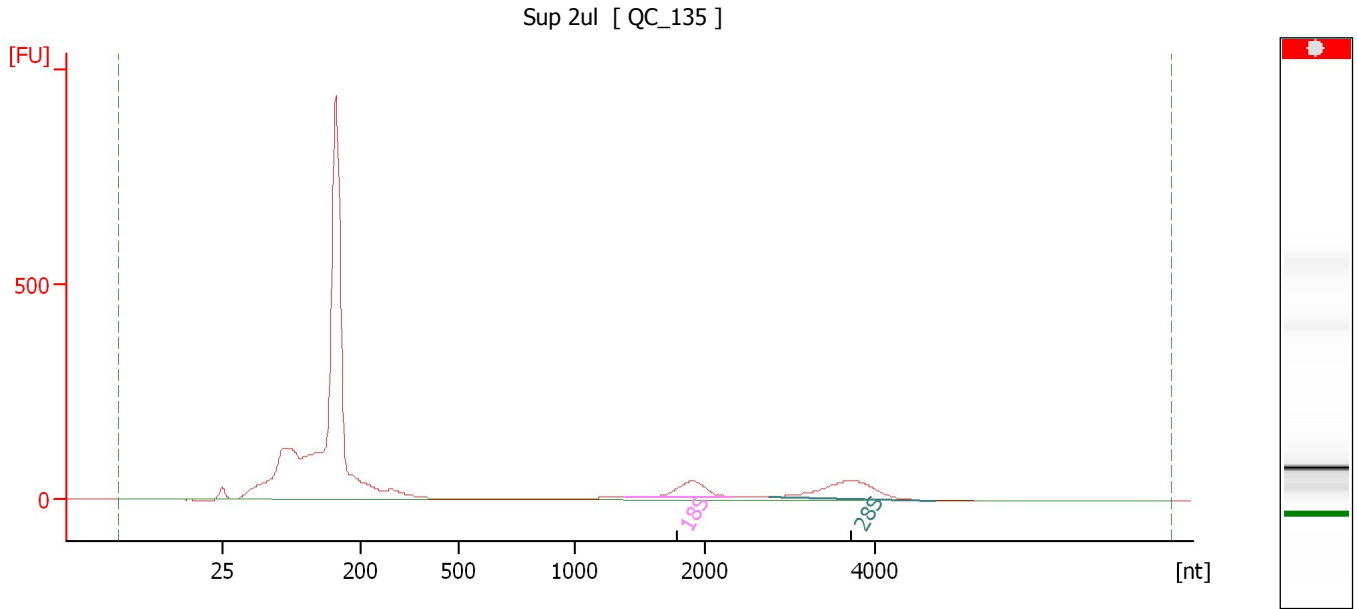
Fragment table for sample 3 : Sup 1ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	2,592	3,207.8	17.9
28S	2,727	4,437	1,048.5	5.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sup 2ul

RNA Area:	3,546.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	16,411 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN N/A

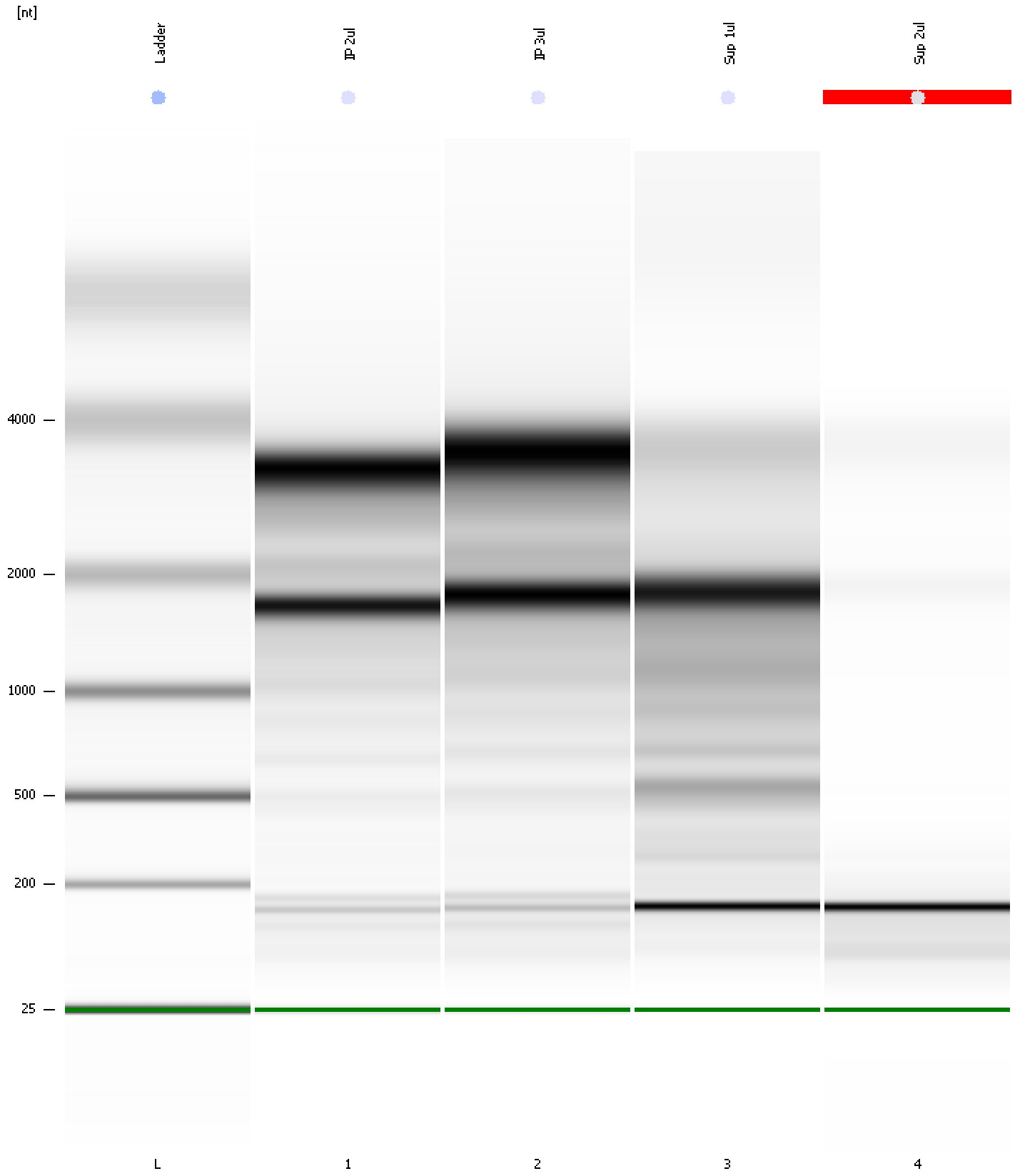
Fragment table for sample 4 : Sup 2ul

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,381	2,308	120.2	3.4
28S	2,743	4,711	223.1	6.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:51:47 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-11-17\2016-11-17_002_QC135.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:51:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/17/2016 2:49:53 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-17\2016-11-17_002.xad)		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1