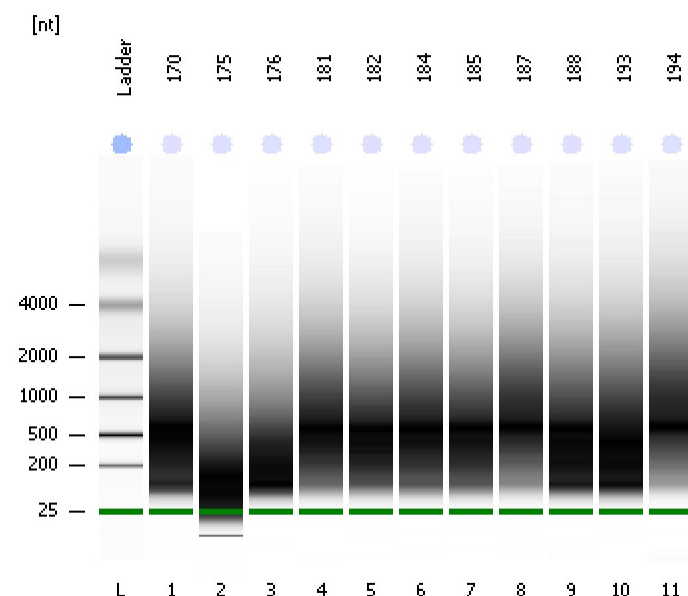


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72902486
Serial#: DE72902486

Firmware: C.01.069
Type: G2939A

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)

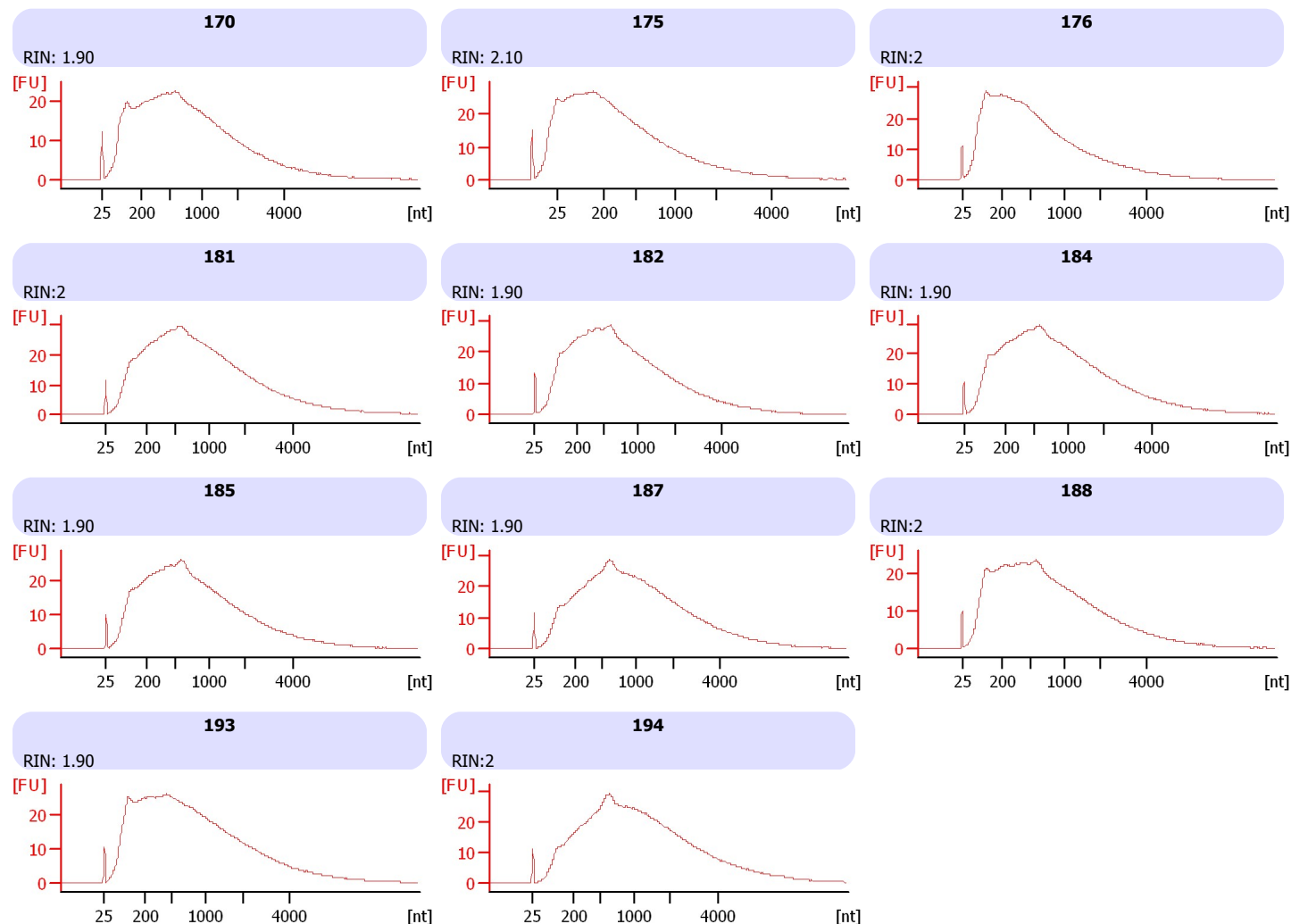
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
170		✓ RIN: 1.90	
175		✓ RIN: 2.10	
176		✓ RIN:2	
181		✓ RIN:2	
182		✓ RIN: 1.90	
184		✓ RIN: 1.90	
185		✓ RIN: 1.90	
187		✓ RIN: 1.90	
188		✓ RIN:2	
193		✓ RIN: 1.90	
194		✓ RIN:2	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 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

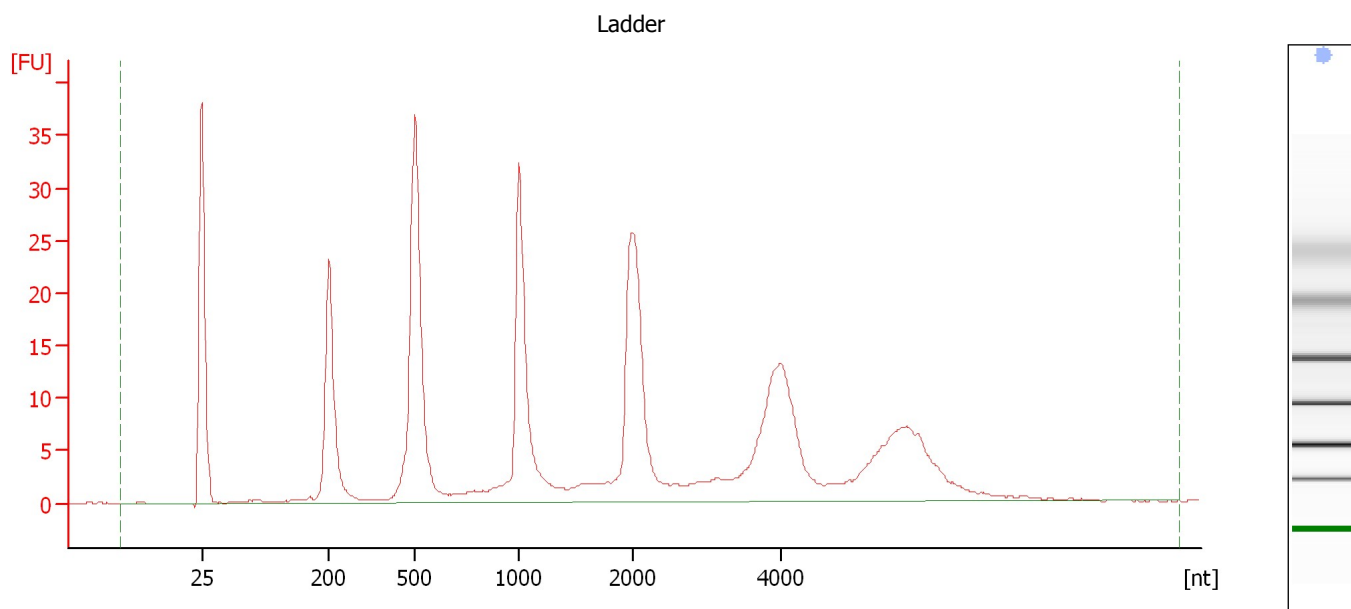
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 345.7

Result Flagging Color:



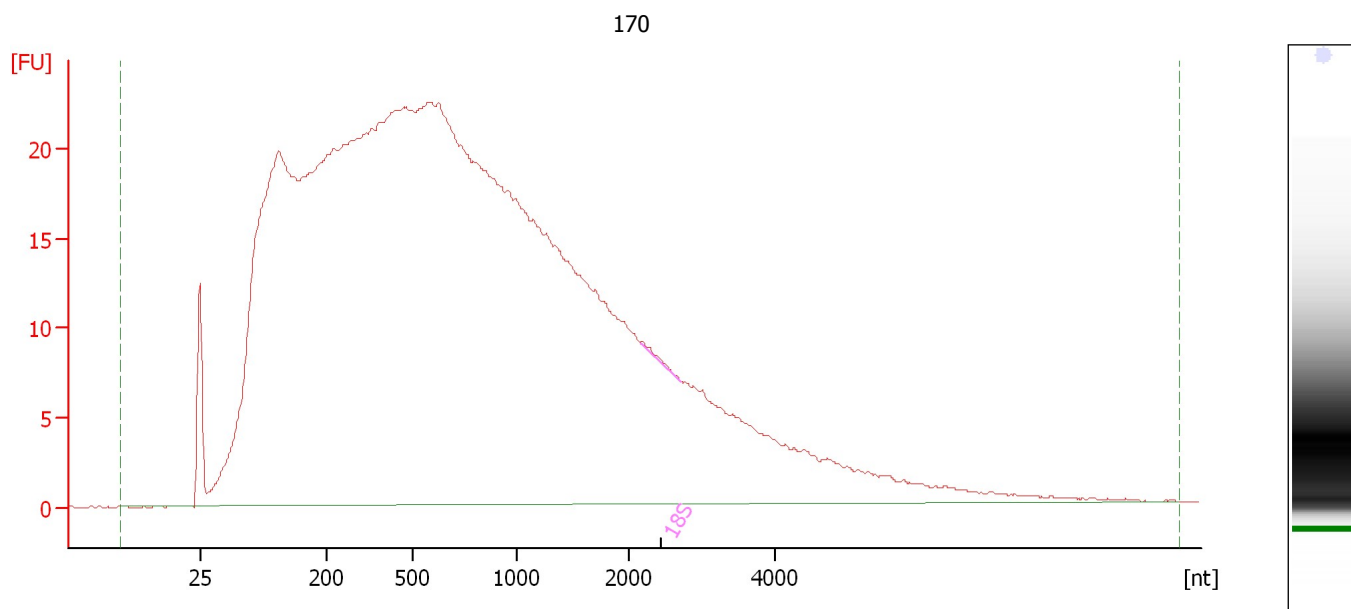
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 170**

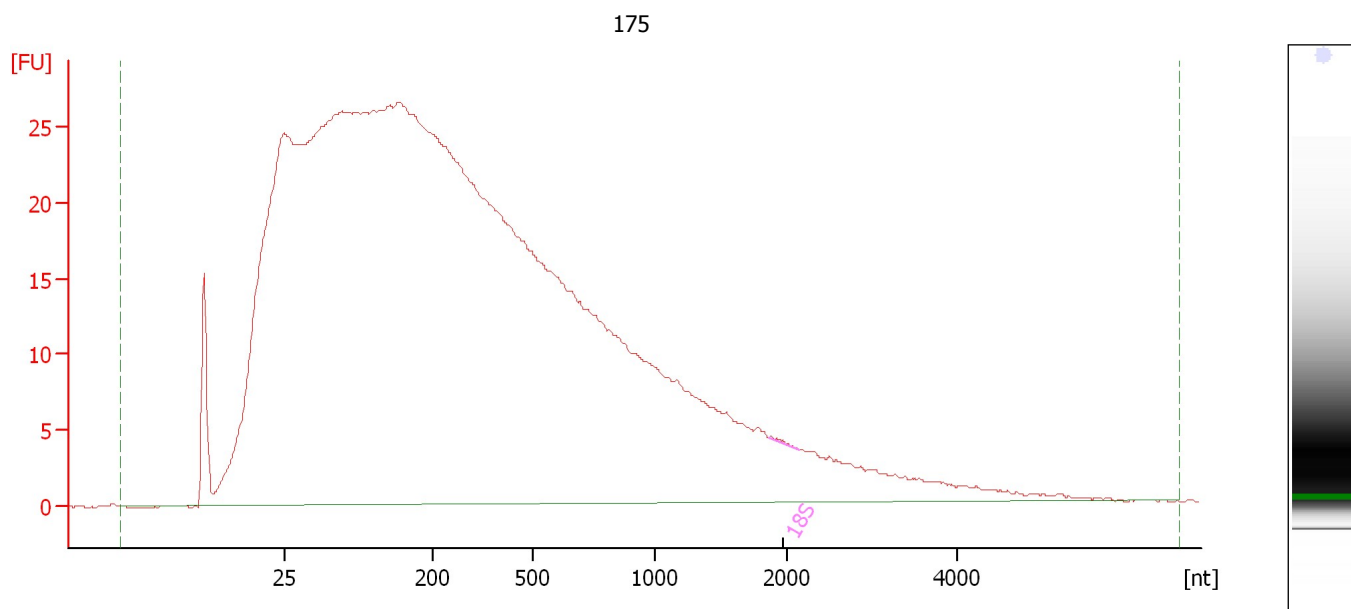
RNA Area:	1,109.3	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	3,208 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Fragment table for sample 1 : 170

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,156	2,709	0.5	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 175**

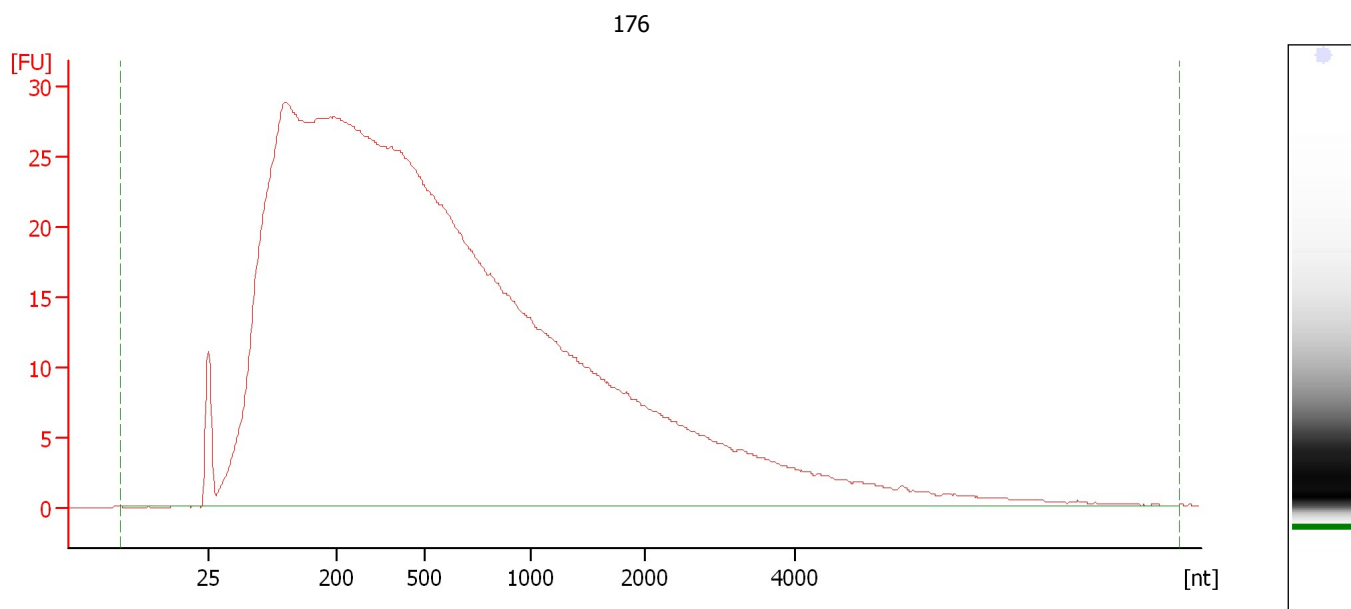
RNA Area:	1,103.8	RNA Integrity Number (RIN):	2.1 (B.02.07)
RNA Concentration:	3,193 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 2 : 175

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,865	2,141	0.4	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

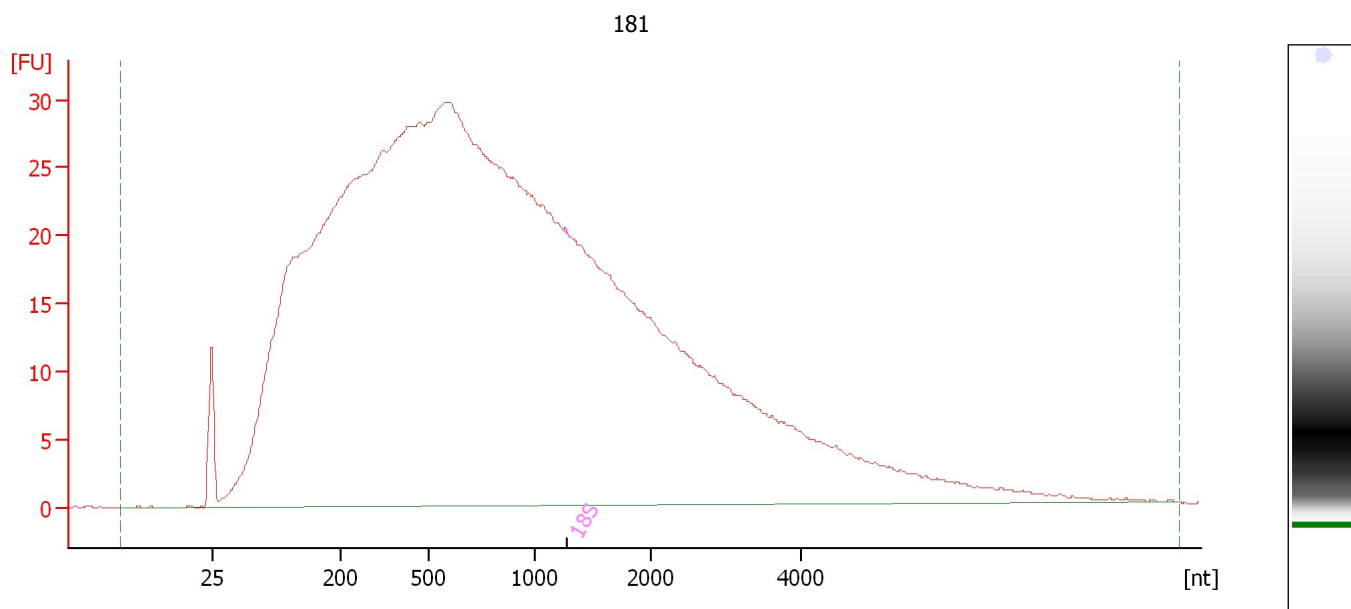
Electropherogram Summary Continued ...**Overall Results for sample 3 : 176**

RNA Area: 1,204.2
RNA Concentration: 3,483 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 181**

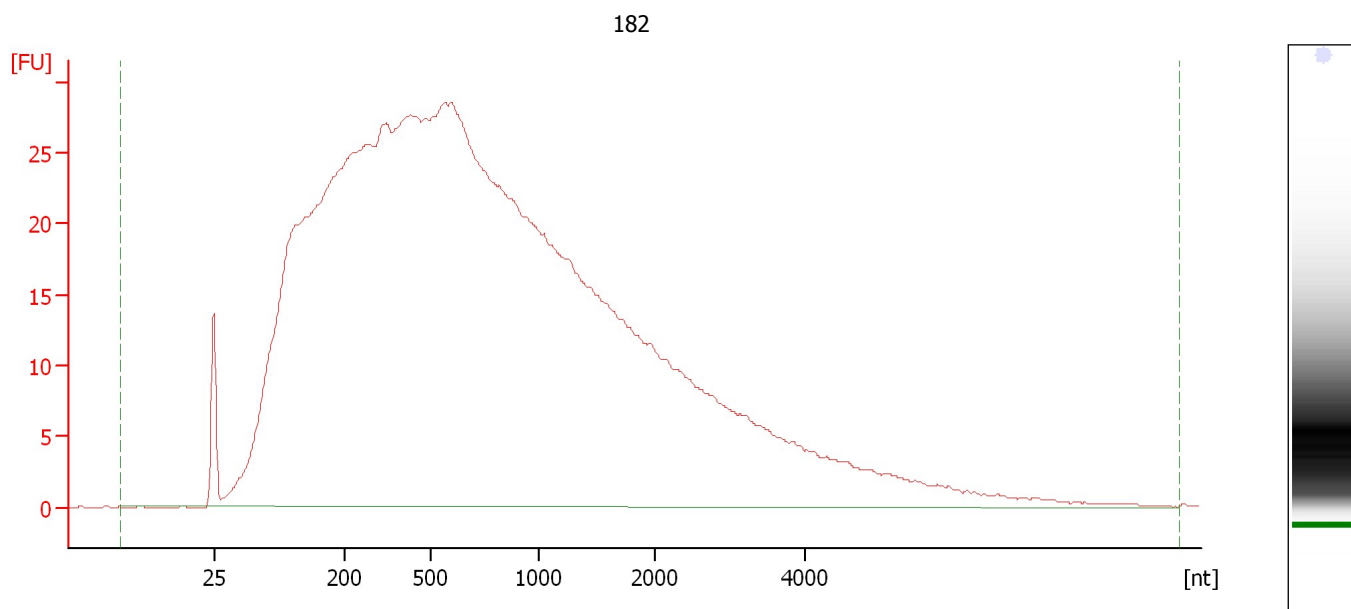
RNA Area:	1,370.2	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	3,963 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 4 : 181

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,243	1,307	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

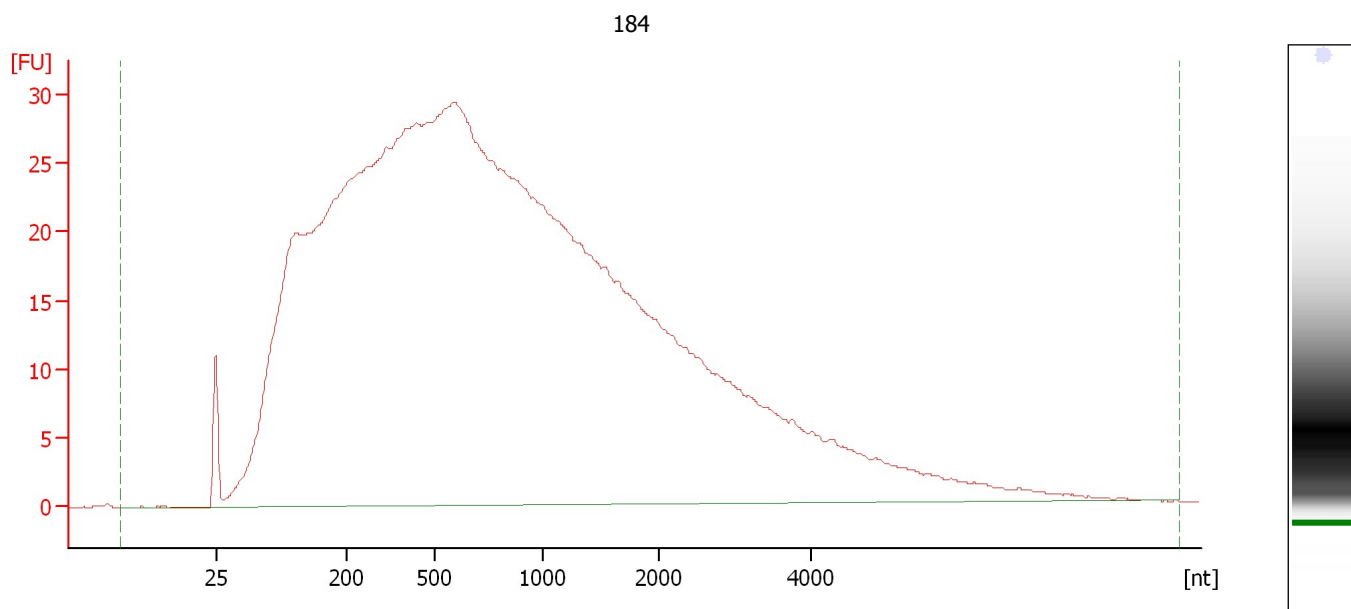
Electropherogram Summary Continued ...**Overall Results for sample 5 : 182**

RNA Area: 1,288.9
RNA Concentration: 3,728 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

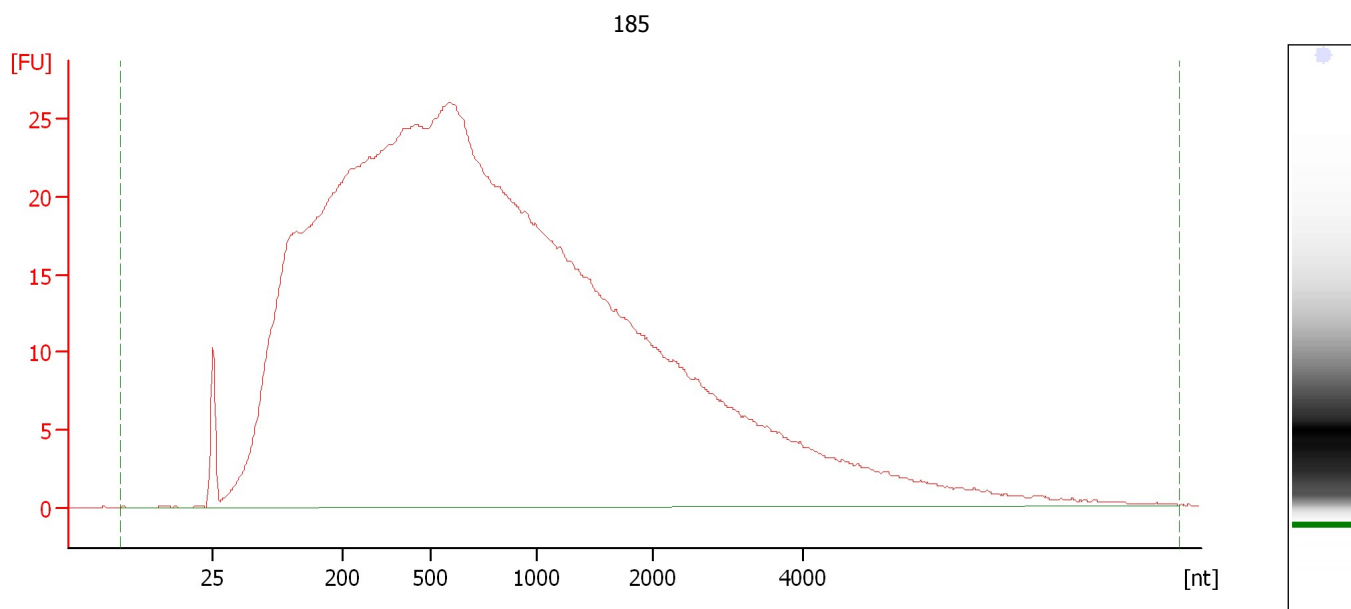
Electropherogram Summary Continued ...**Overall Results for sample 6 : 184**

RNA Area: 1,372.4
RNA Concentration: 3,969 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

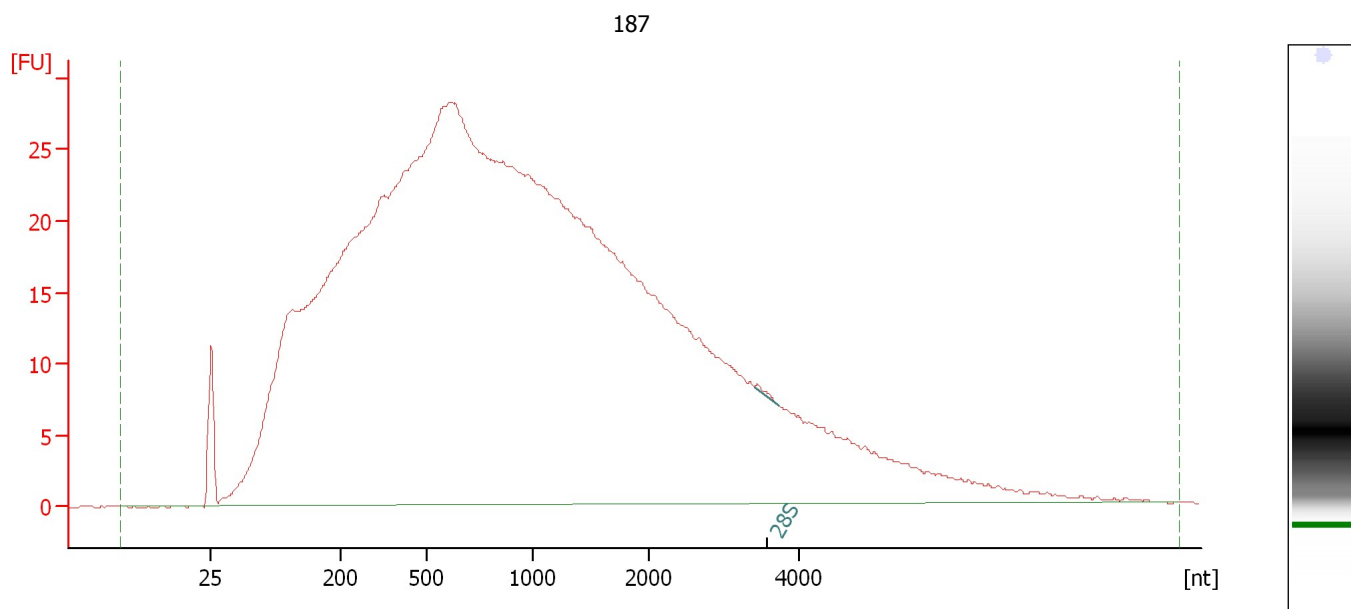
Electropherogram Summary Continued ...**Overall Results for sample 7 : 185**

RNA Area: 1,171.9
RNA Concentration: 3,390 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 187**

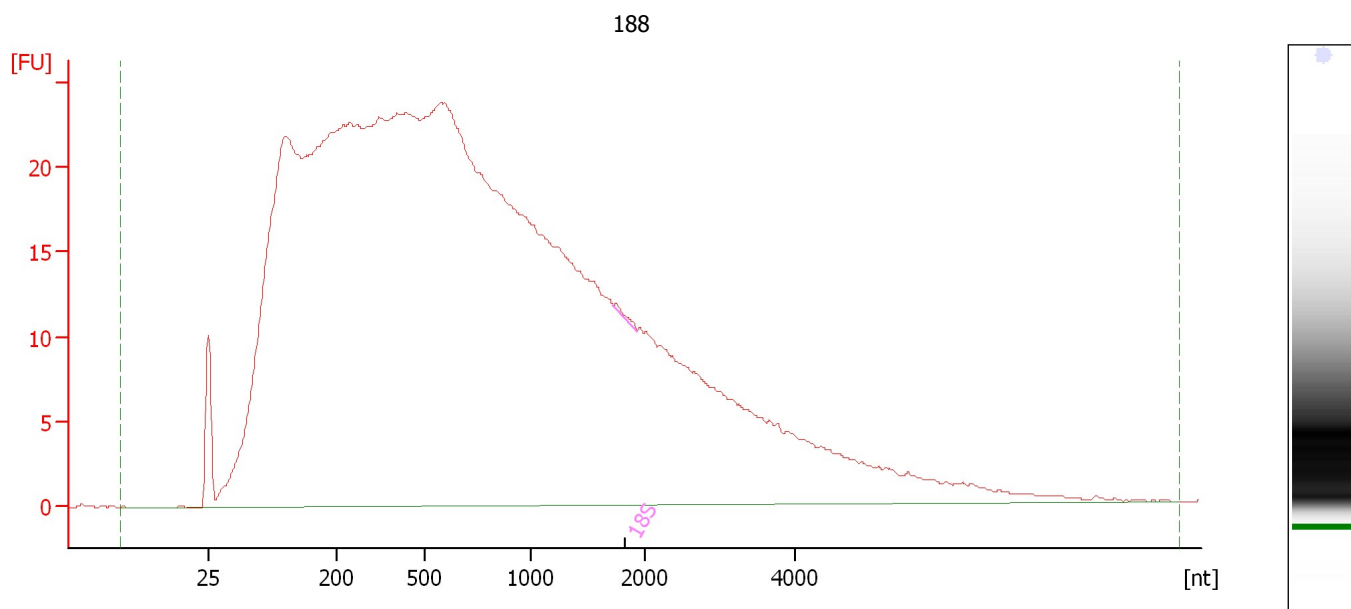
RNA Area:	1,260.0	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	3,644 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Fragment table for sample 8 : 187

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,411	3,725	0.5	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 188**

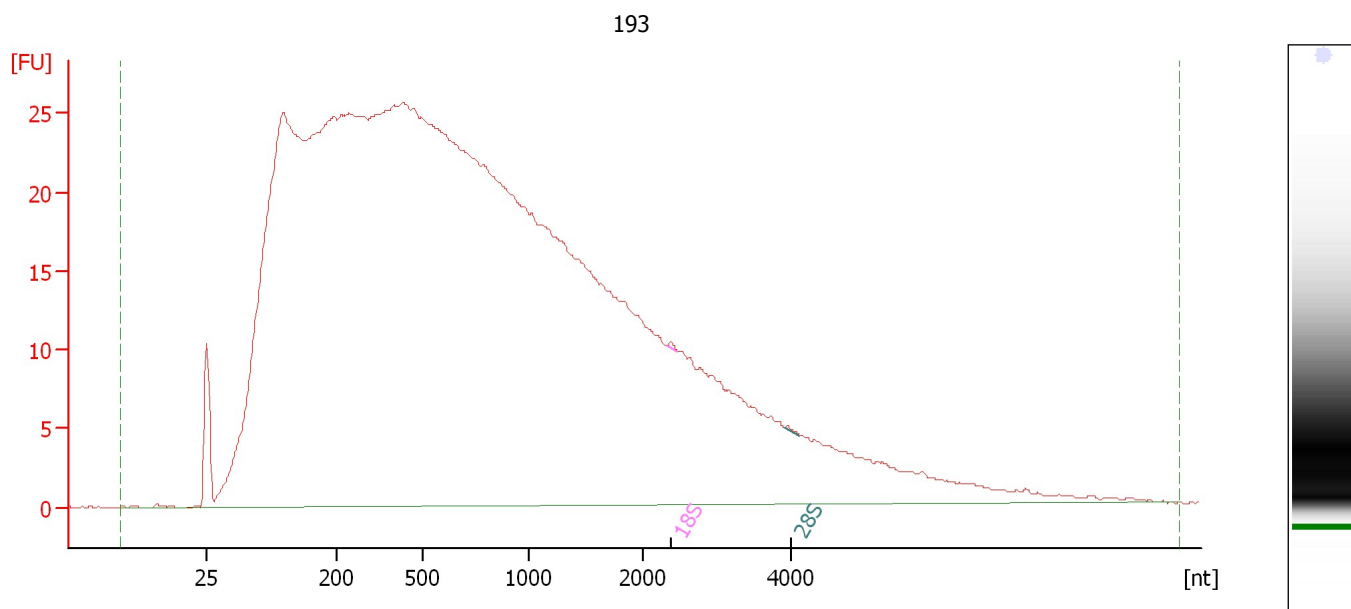
RNA Area:	1,173.5	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	3,394 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 9 : 188

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	1,933	0.4	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 193**

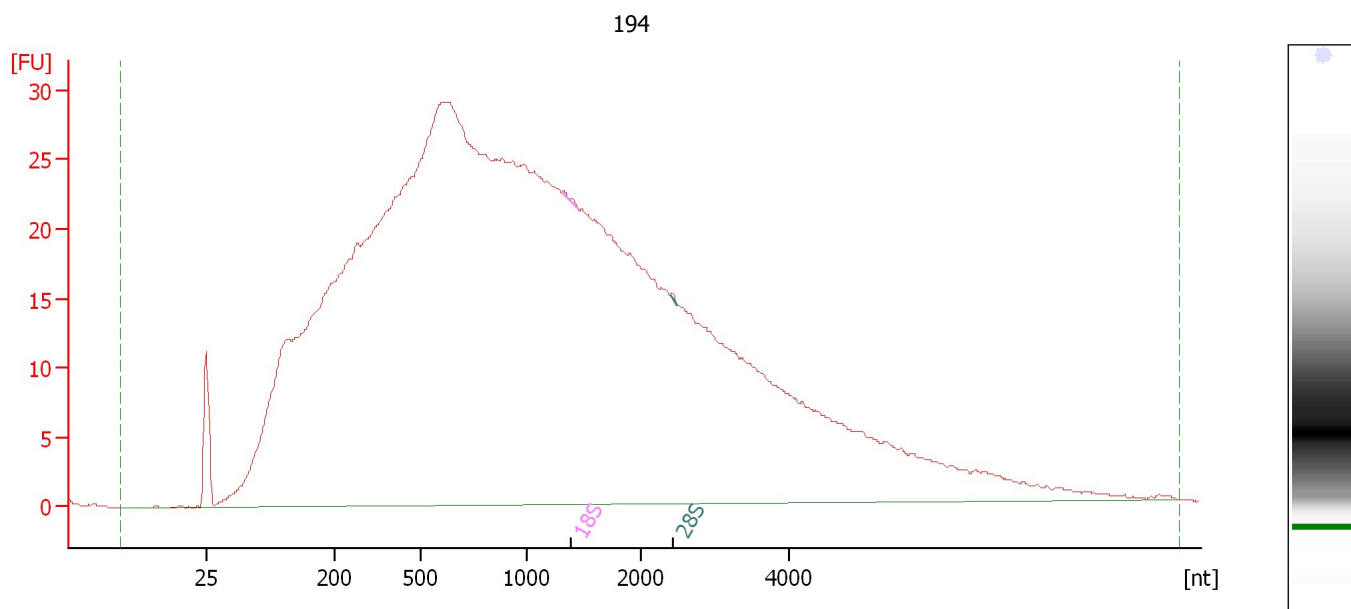
RNA Area:	1,316.7	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	3,808 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 1.90

Fragment table for sample 10 : 193

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,310	2,468	0.2	0.0
28S	3,916	4,103	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 194**

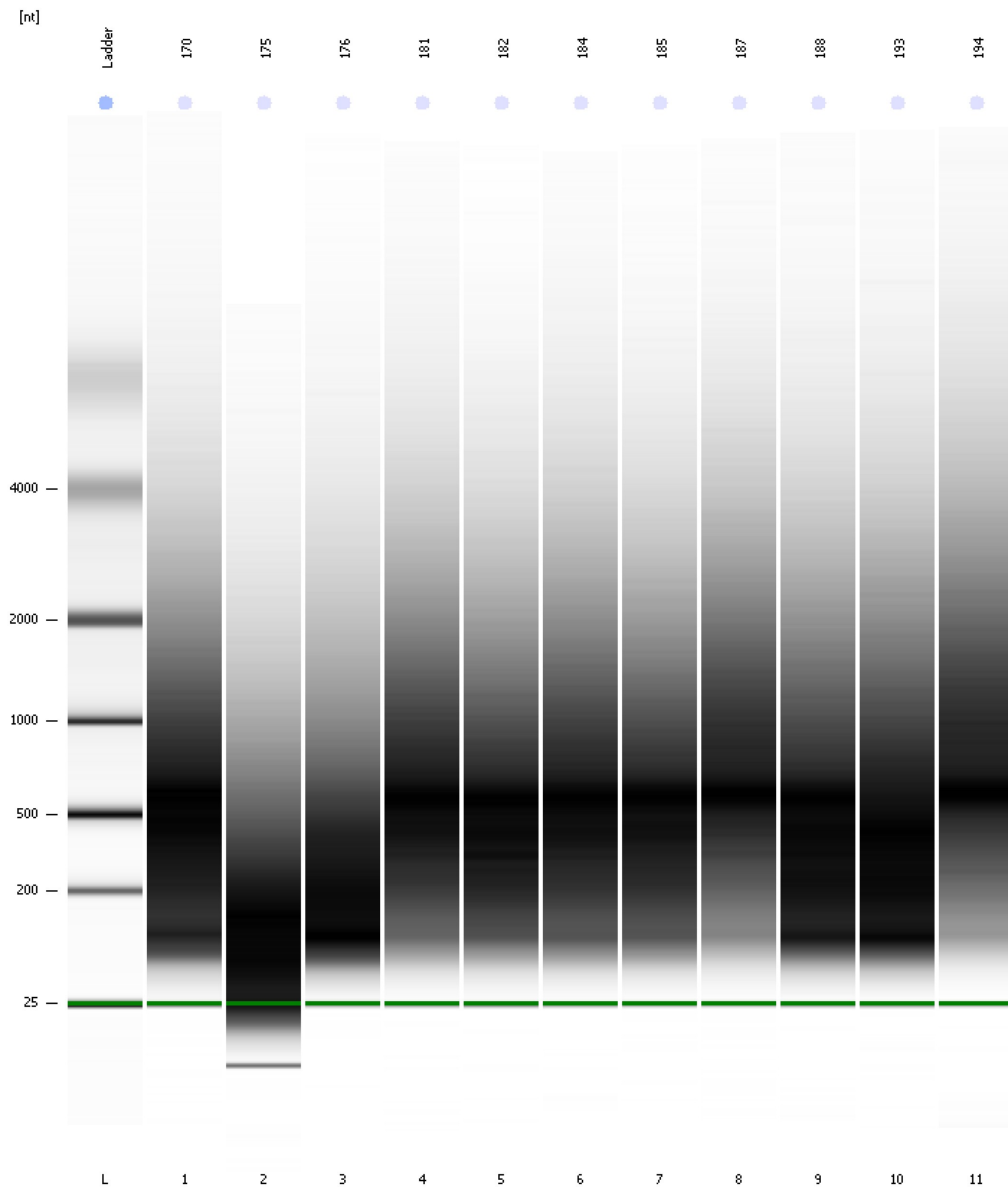
RNA Area:	1,317.3	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	3,810 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN:2

Fragment table for sample 11 : 194

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,312	1,453	0.3	0.0
28S	2,395	2,496	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

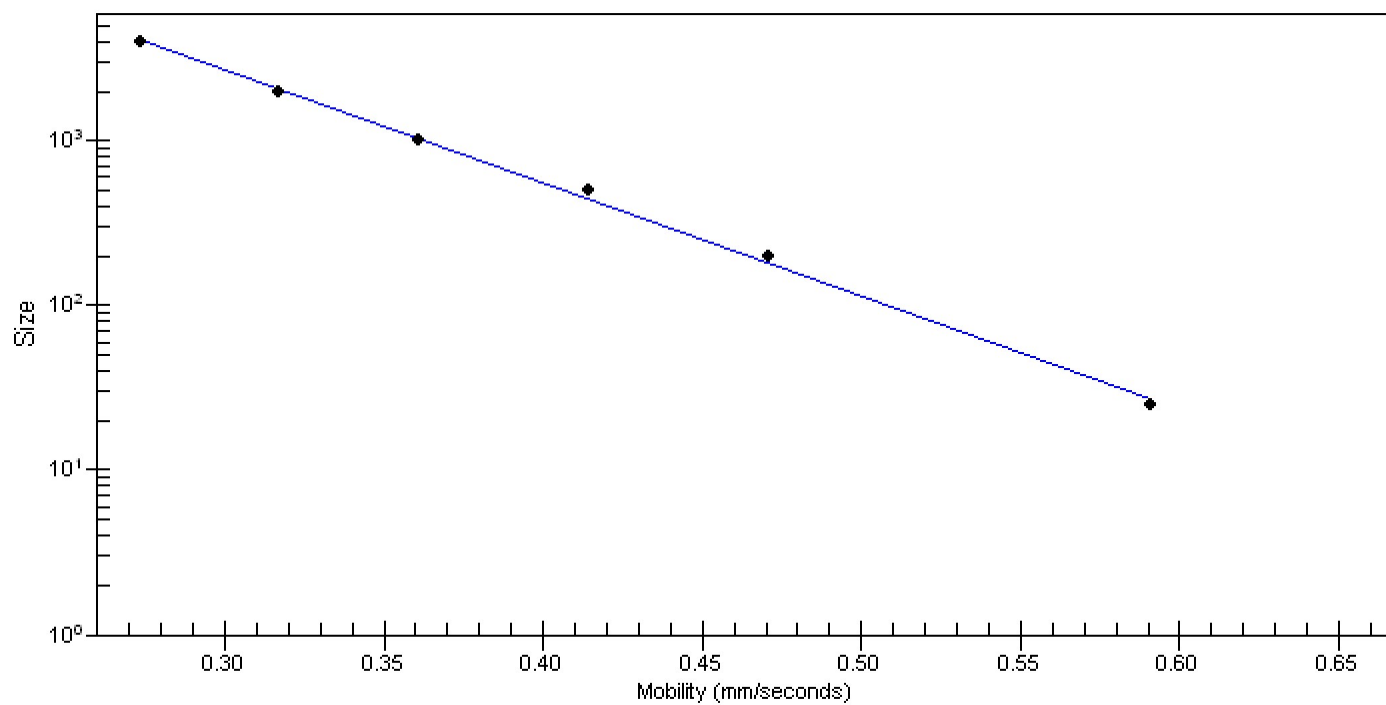
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
Modified: 12/15/2016 5:25:48 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad

Created: 12/15/2016 5:02:50 PM
 Modified: 12/15/2016 5:25:48 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/15/2016 5:25:43 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-12-15\2100 expert_Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-02-50.xad)		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/15/2016 5:02:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01