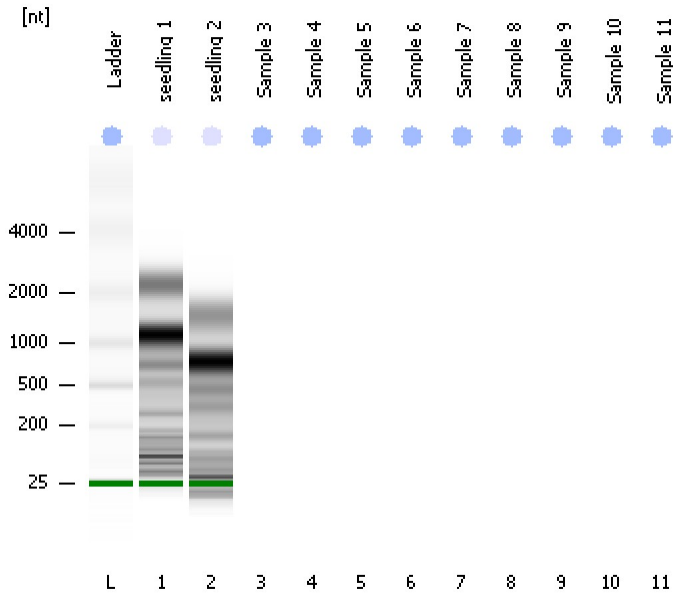


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Electrophoresis File Run Summary



Instrument Information:

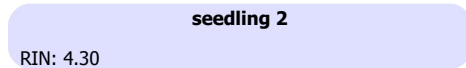
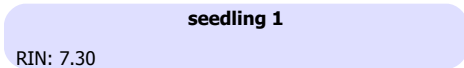
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
seedling 1		✓	RIN: 7.30	
seedling 2		✓	RIN: 4.30	
Sample 3				
Sample 4				
Sample 5				
Sample 6				
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:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 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

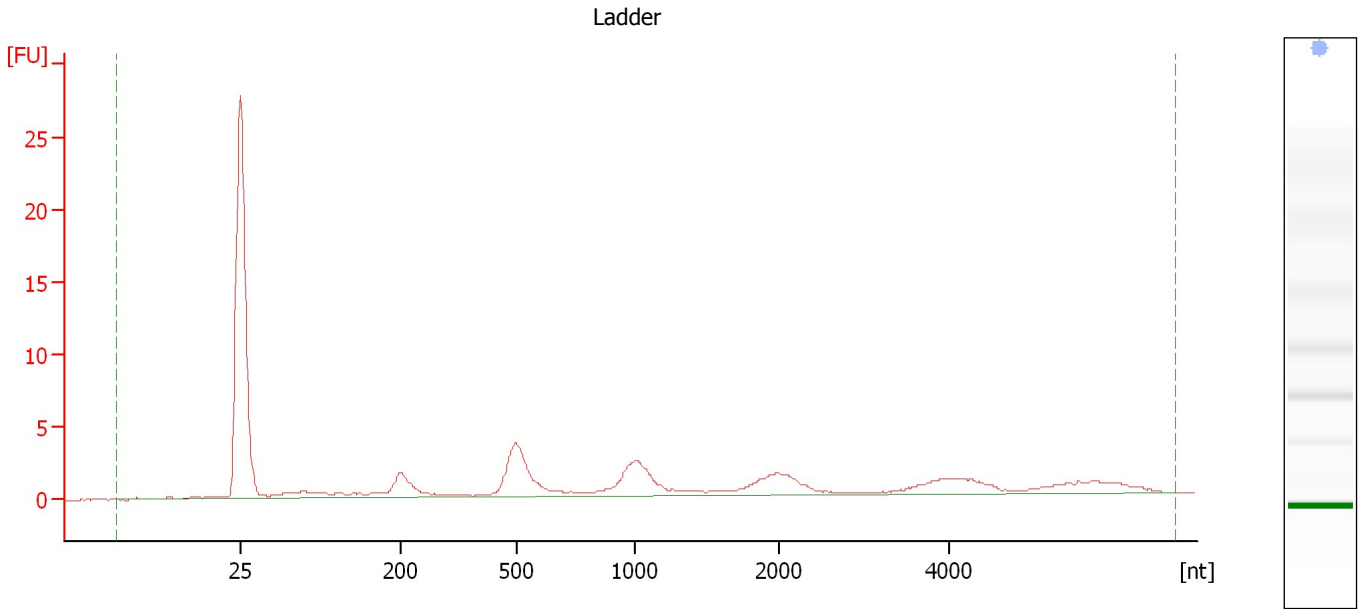
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Electropherogram Summary



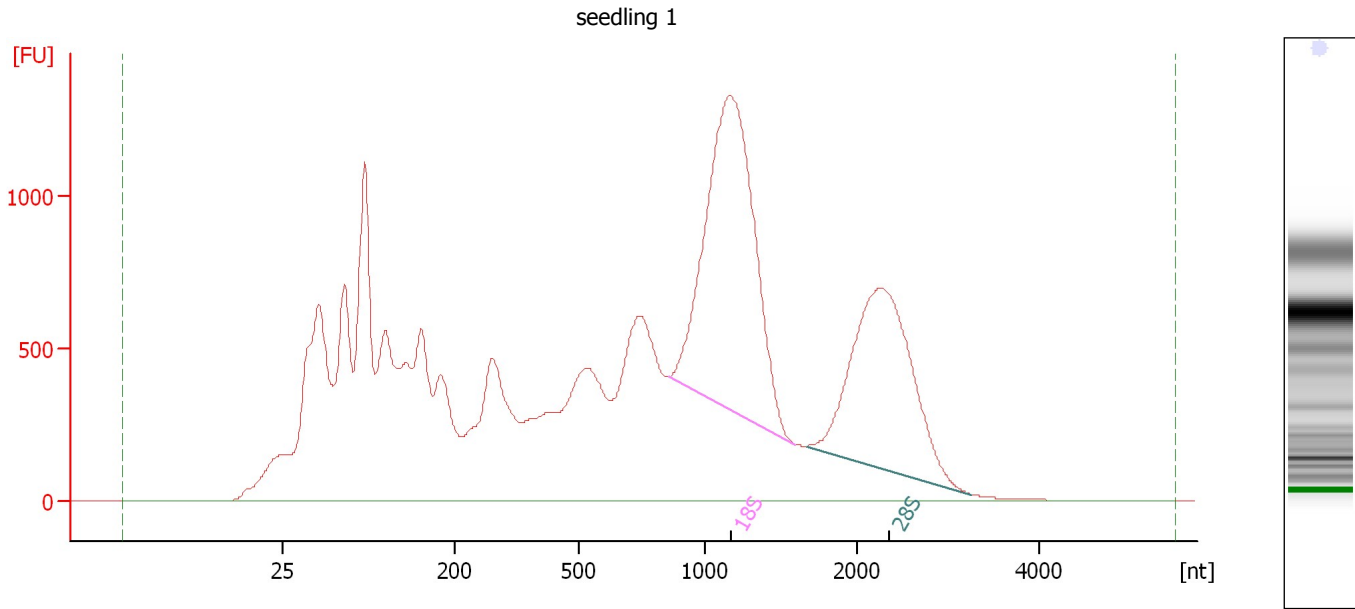
Overall Results for Ladder

RNA Area:	59.6	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\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
 Modified: 11/21/2016 1:47:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : seedling 1

RNA Area:	35,793.2	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	600,368 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.30

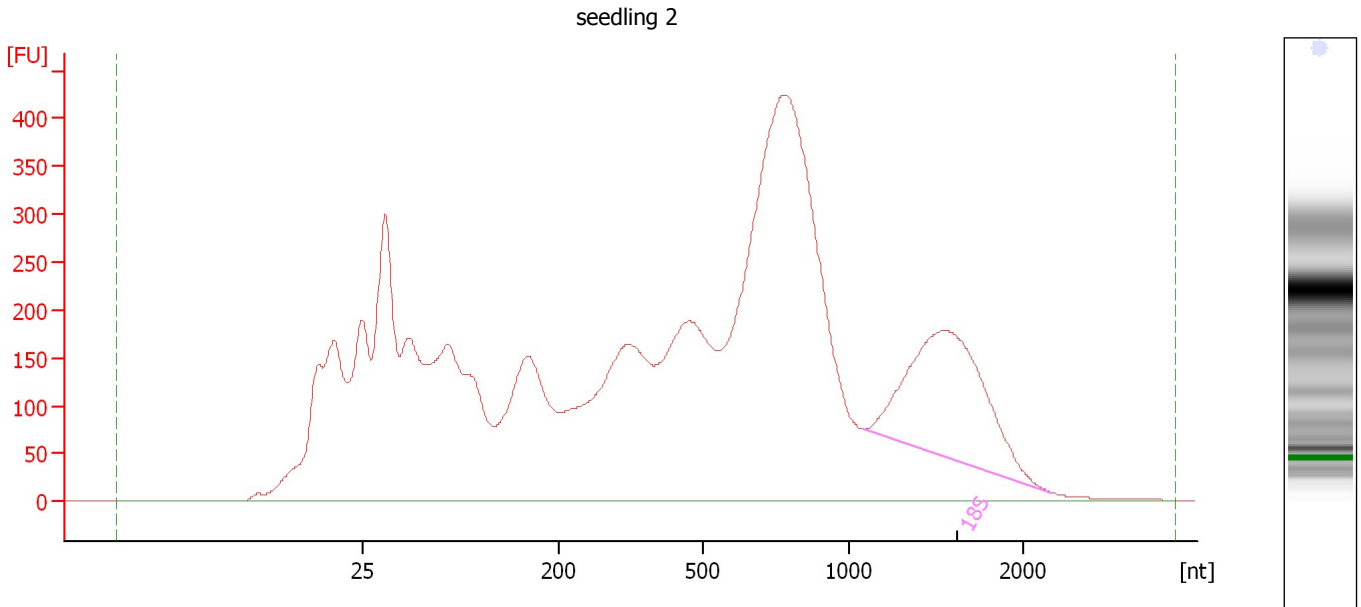
Fragment table for sample 1 : seedling 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	855	1,589	5,747.8	16.1
28S	1,666	3,257	3,531.5	9.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : seedling 2

RNA Area:	12,127.3	RNA Integrity Number (RIN):	4.3 (B.02.08)
RNA Concentration:	203,414 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.30

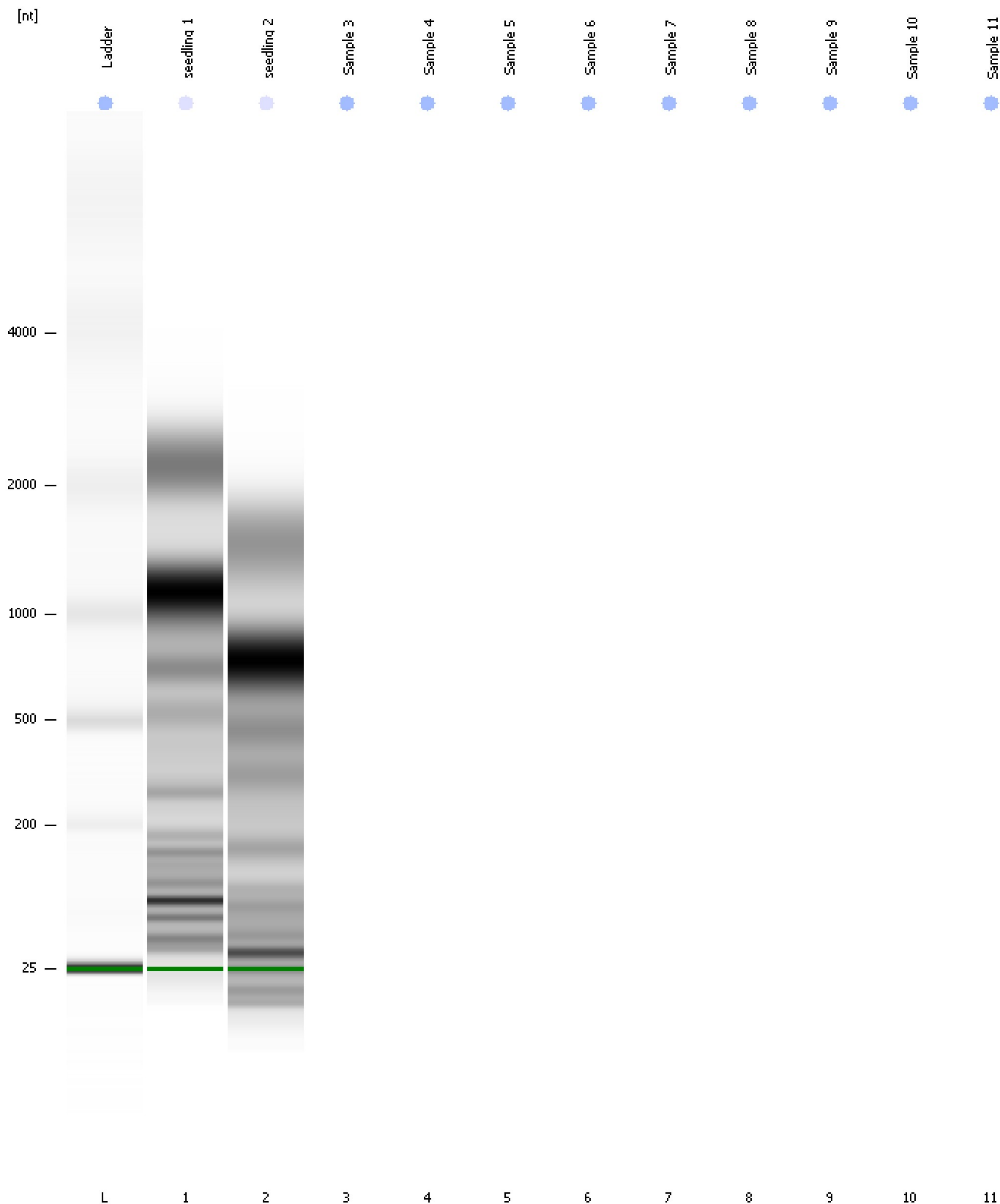
Fragment table for sample 2 : seedling 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,083	2,258	966.9	8.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
Modified: 11/21/2016 1:47:35 PM

Invalid Samples

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

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:\... bioanalyzer\2100 expert\data\2016-11-21\2016-11-21_003.xad

Created: 11/21/2016 1:37:28 PM
 Modified: 11/21/2016 1:47:35 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 3)		Instrument	Run		11/21/2016 1:47:30 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\2016-11-21\2016-11-21_003.xad)		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/21/2016 1:37:34 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1