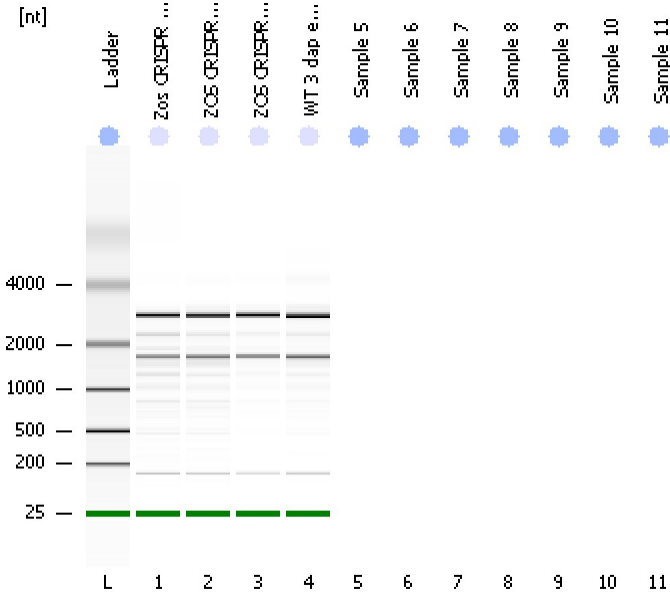


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Electrophoresis File Run Summary



Instrument Information:

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

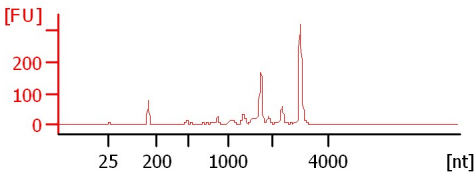
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

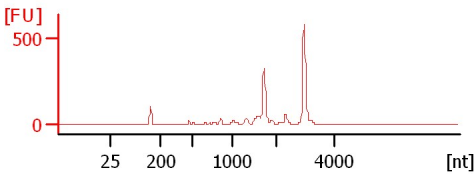
Chip Information:

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

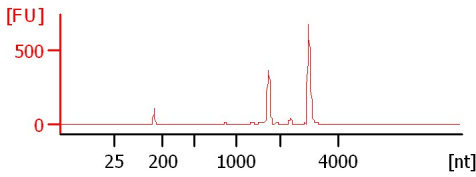
Zos CRISPR male 1
RIN: 8.50



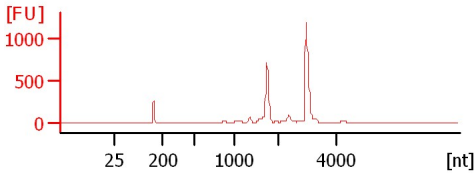
ZOS CRISPR male 2
RIN: 8.80



ZOS CRISPR male 3
RIN: 9.50



WT 3 dap endosperm
RIN: 9.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
 Modified: 3/17/2015 11:47:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Zos CRISPR male 1		✓	RIN: 8.50	
ZOS CRISPR male 2		✓	RIN: 8.80	
ZOS CRISPR male 3		✓	RIN: 9.50	
WT 3 dap endosperm		✓	RIN: 9.10	
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:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 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/ 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

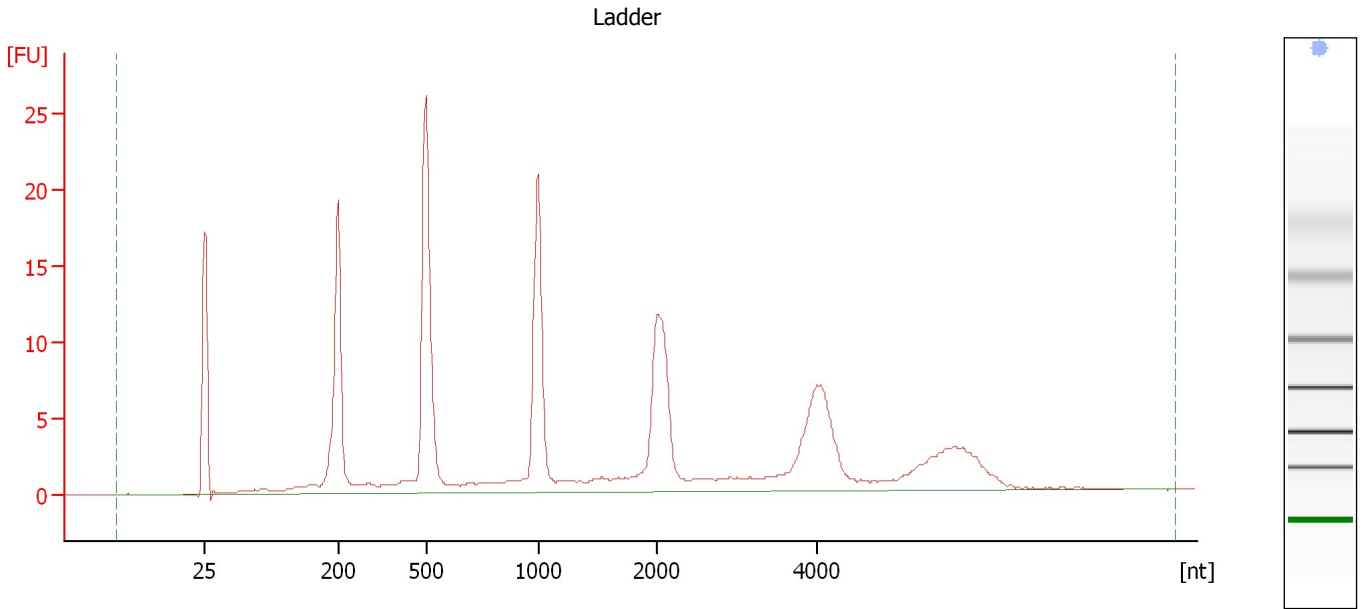
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Electropherogram Summary



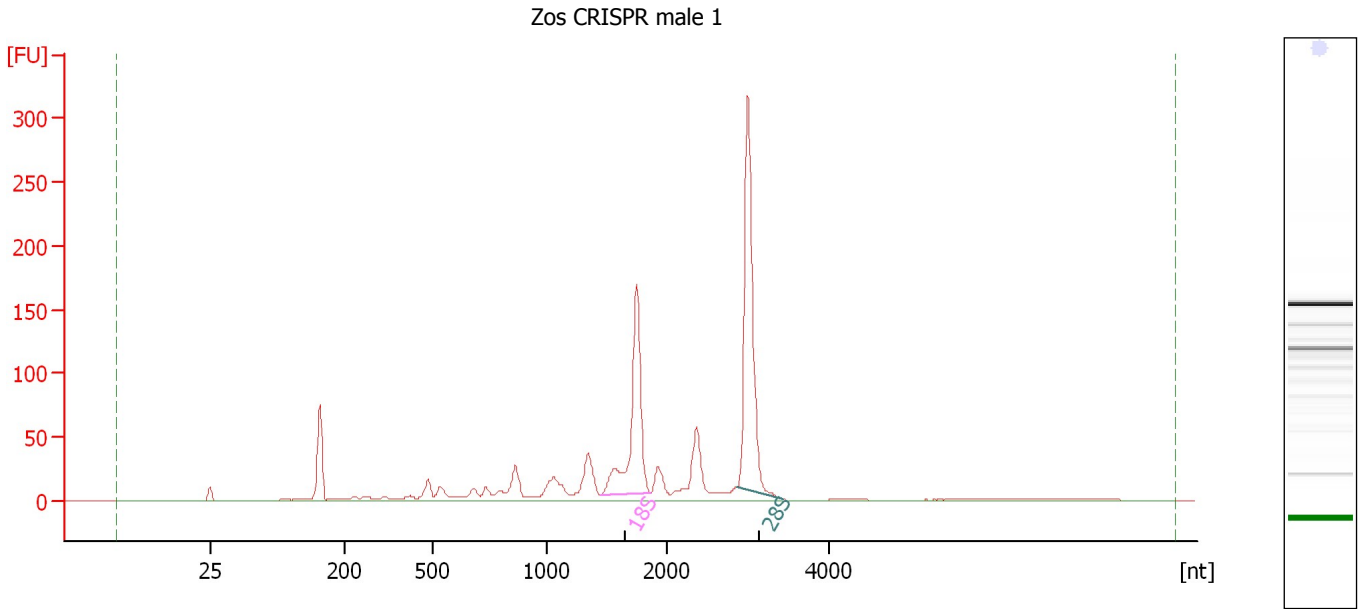
Overall Results for Ladder

RNA Area:	180.5	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\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
 Modified: 3/17/2015 11:47:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Zos CRISPR male 1

RNA Area:	1,002.5	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	5,555 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.50

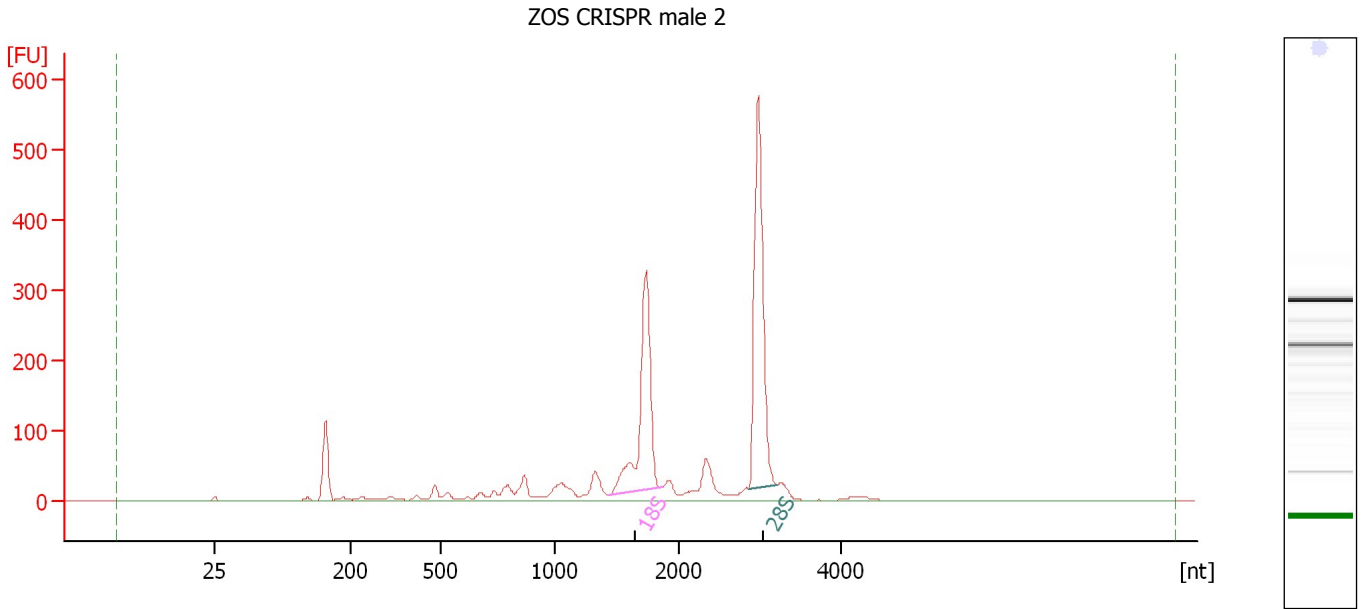
Fragment table for sample 1 : Zos CRISPR male 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,447	1,854	204.1	20.4
28S	2,864	3,418	283.6	28.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : ZOS CRISPR male 2

RNA Area: 1,749.1 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 9,693 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.80

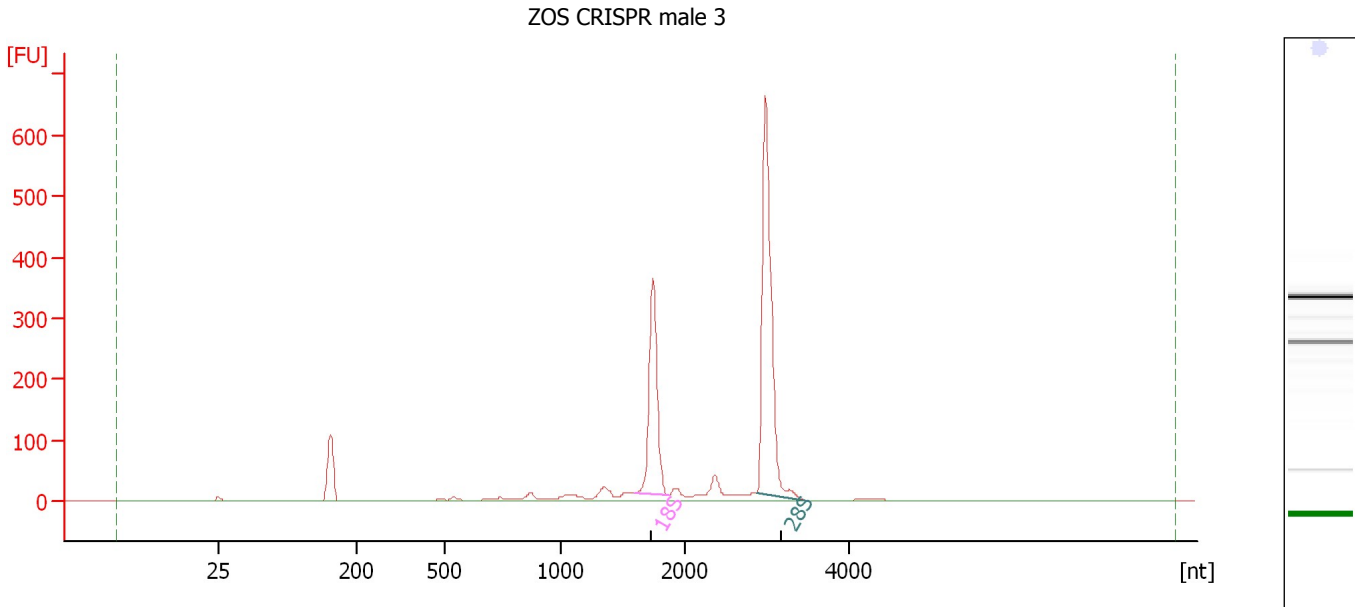
Fragment table for sample 2 : ZOS CRISPR male 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,440	1,868	400.4	22.9
28S	2,875	3,201	511.9	29.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
 Modified: 3/17/2015 11:47:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : ZOS CRISPR male 3

RNA Area:	1,499.6	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	8,310 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.50

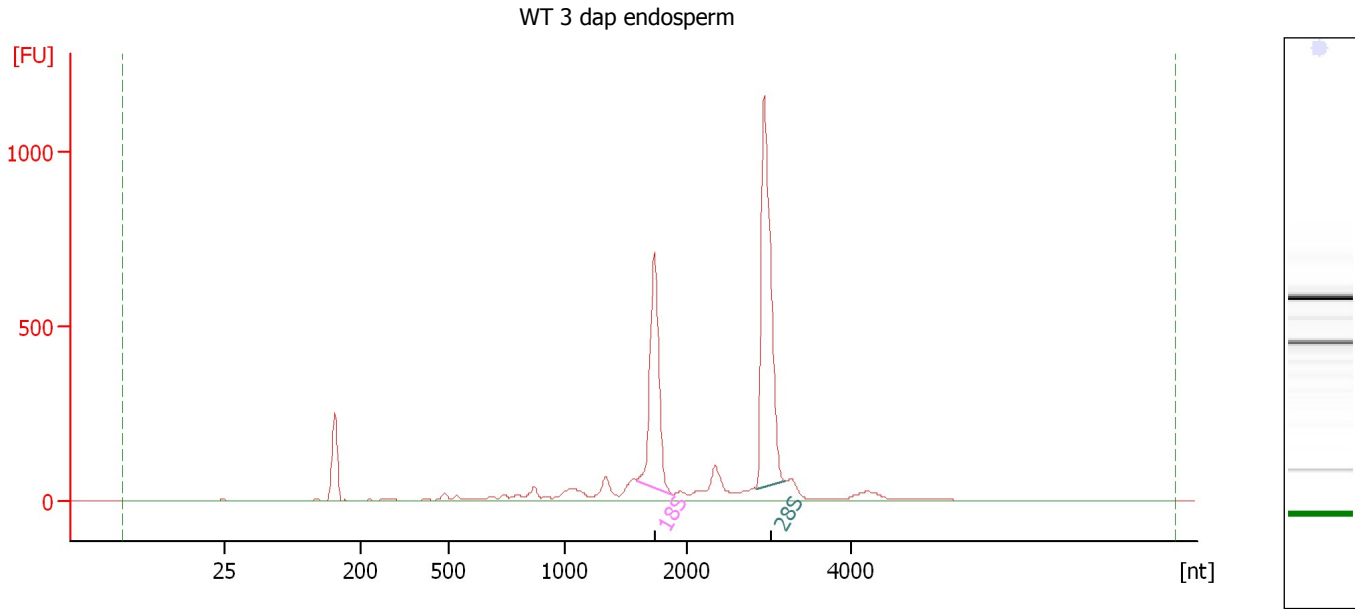
Fragment table for sample 3 : ZOS CRISPR male 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,872	359.5	24.0
28S	2,886	3,483	636.5	42.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : WT 3 dap endosperm

RNA Area: 3,465.4 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 19,204 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.10

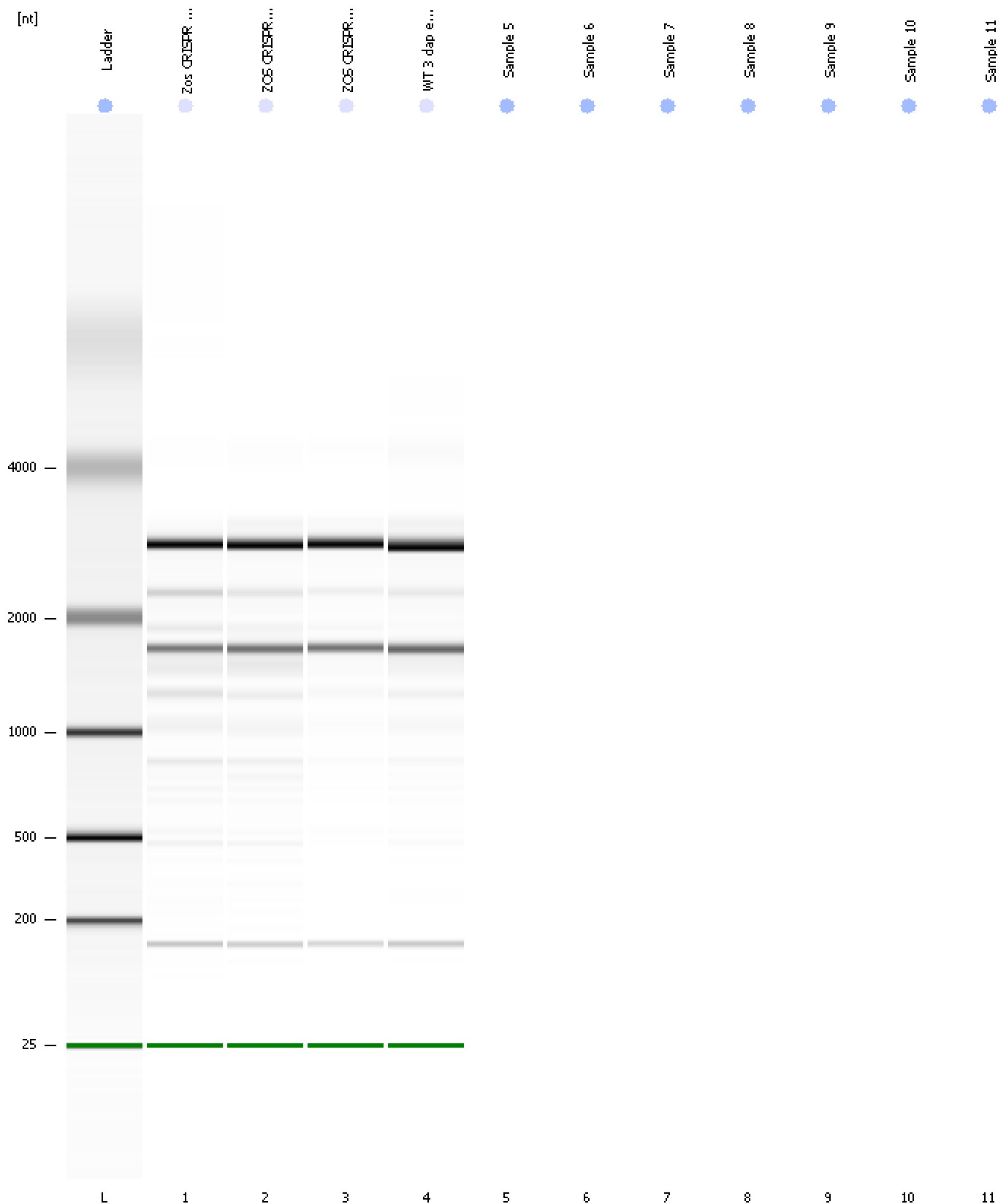
Fragment table for sample 4 : WT 3 dap endosperm

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,881	715.2	20.6
28S	2,847	3,197	1,156.7	33.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
Modified: 3/17/2015 11:47:52 AM

Invalid Samples

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:\...ents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad

Created: 3/17/2015 11:34:55 AM
 Modified: 3/17/2015 11:47:52 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		3/17/2015 11:47:49 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-03-17\2015-03-17_001.xad)		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/17/2015 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1