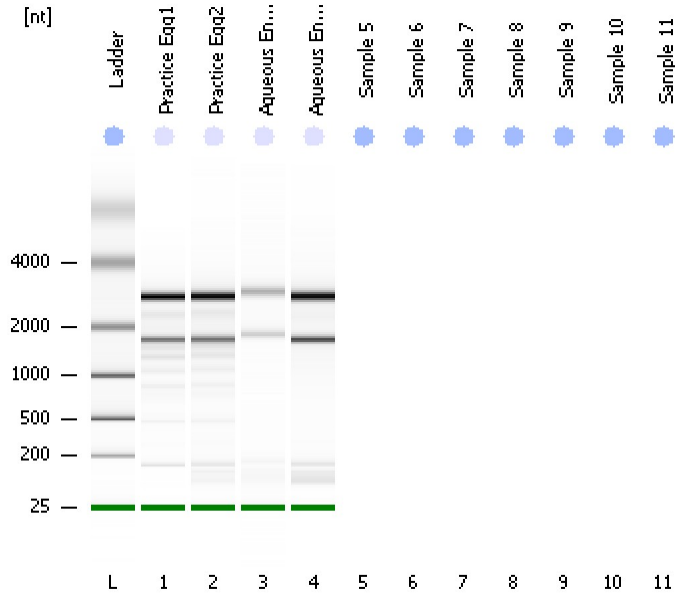


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 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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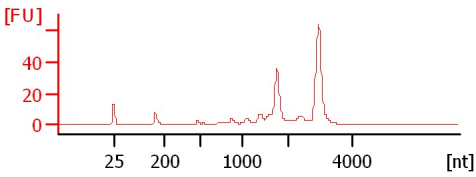
Chip Information:

Chip Lot #:

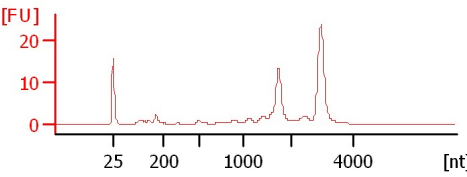
Reagent Kit Lot #:

Chip Comments:

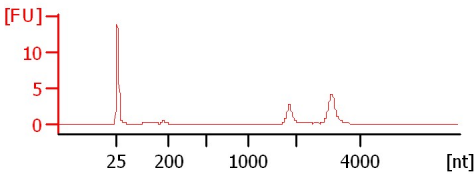
Practice Egg1
RIN: 8.80



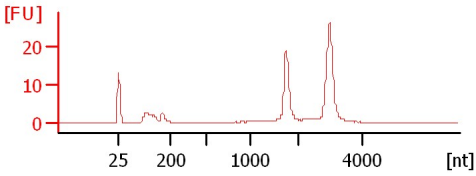
Practice Egg2
RIN: 8.90



Aqueous Endosperm1
RIN: 9.40



Aqueous Endosperm 2
RIN: 9.80



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
 Modified: 9/15/2015 2:41:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Practice Egg1		✓	RIN: 8.80	
Practice Egg2		✓	RIN: 8.90	
Aqueous Endosperm1		✓	RIN: 9.40	
Aqueous Endosperm 2		✓	RIN: 9.80	
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\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 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

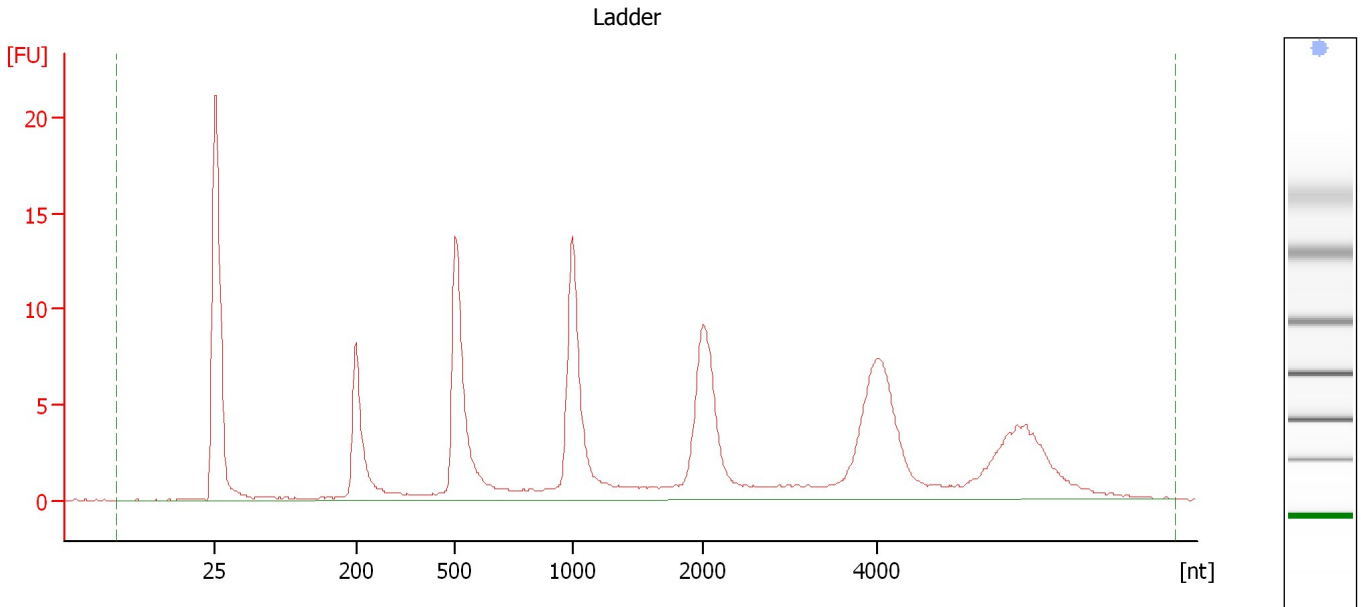
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Electropherogram Summary



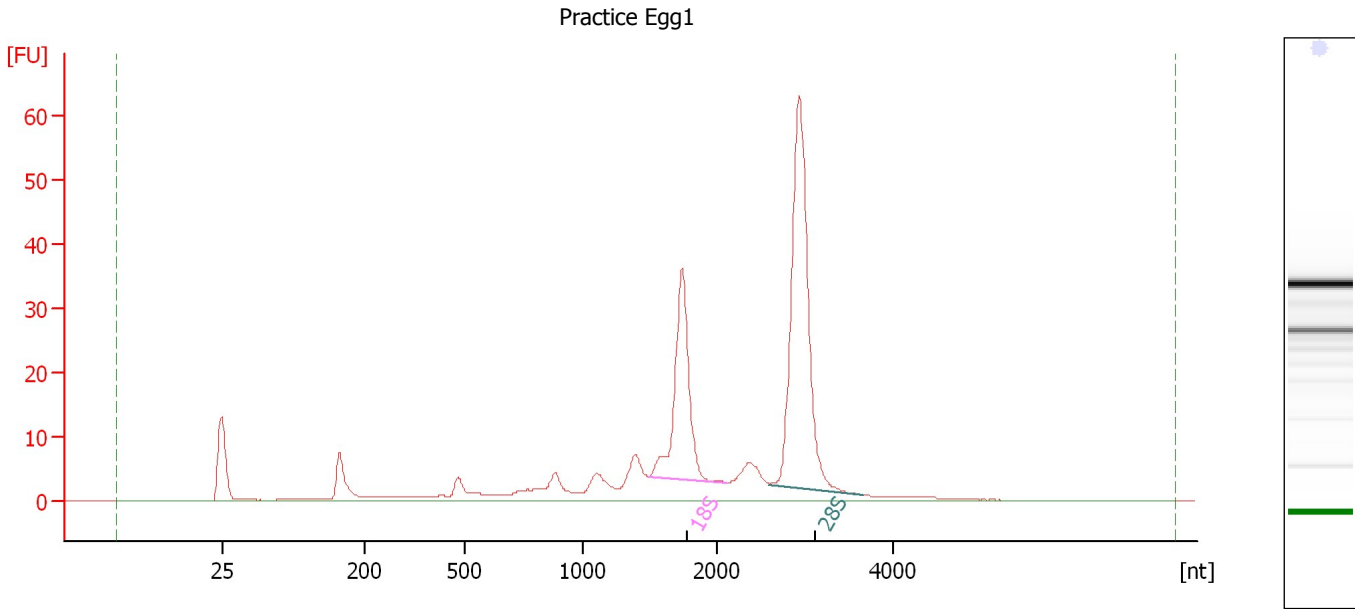
Overall Results for Ladder

RNA Area:	153.0	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\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Practice Egg1

RNA Area: 300.2 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 1,962 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.80

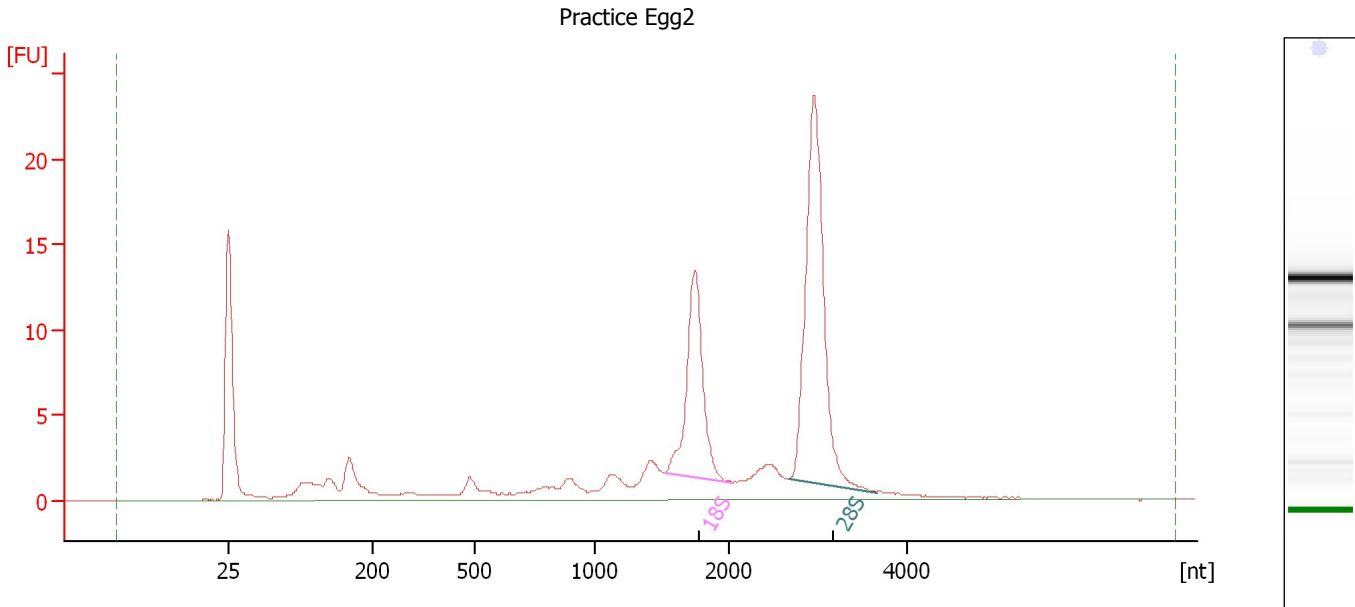
Fragment table for sample 1 : Practice Egg1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	2,124	55.0	18.3
28S	2,609	3,664	105.0	35.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Practice Egg2

RNA Area: 131.6 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 860 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.90

Fragment table for sample 2 : Practice Egg2

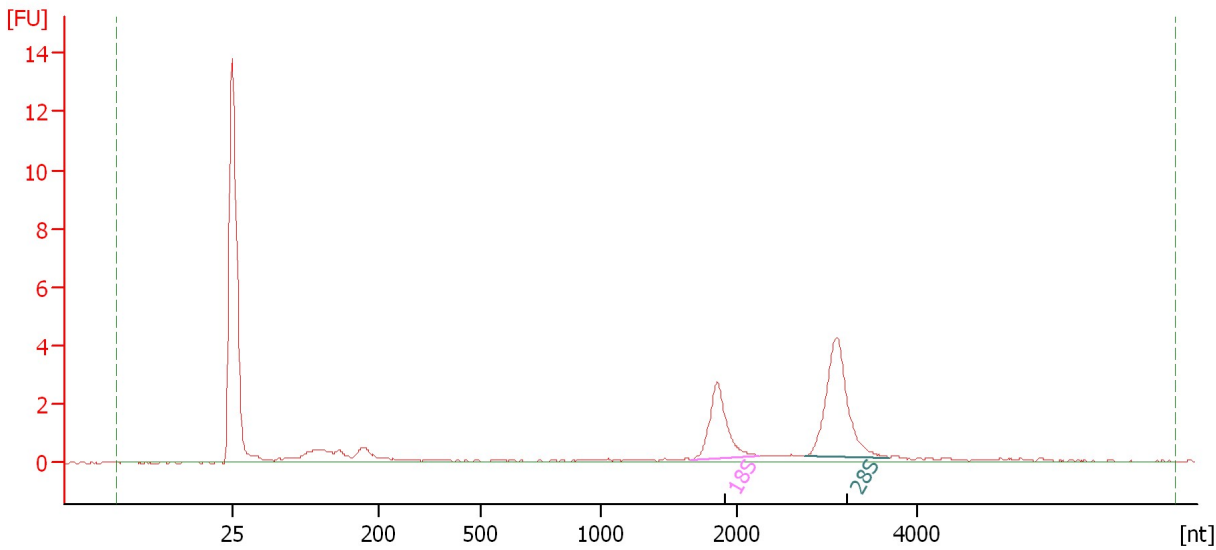
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	2,043	22.5	17.1
28S	2,665	3,659	42.0	31.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Electropherogram Summary Continued ...

Aqueous Endosperm1



Overall Results for sample 3 : Aqueous Endosperm1

RNA Area: 26.0 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 170 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.40

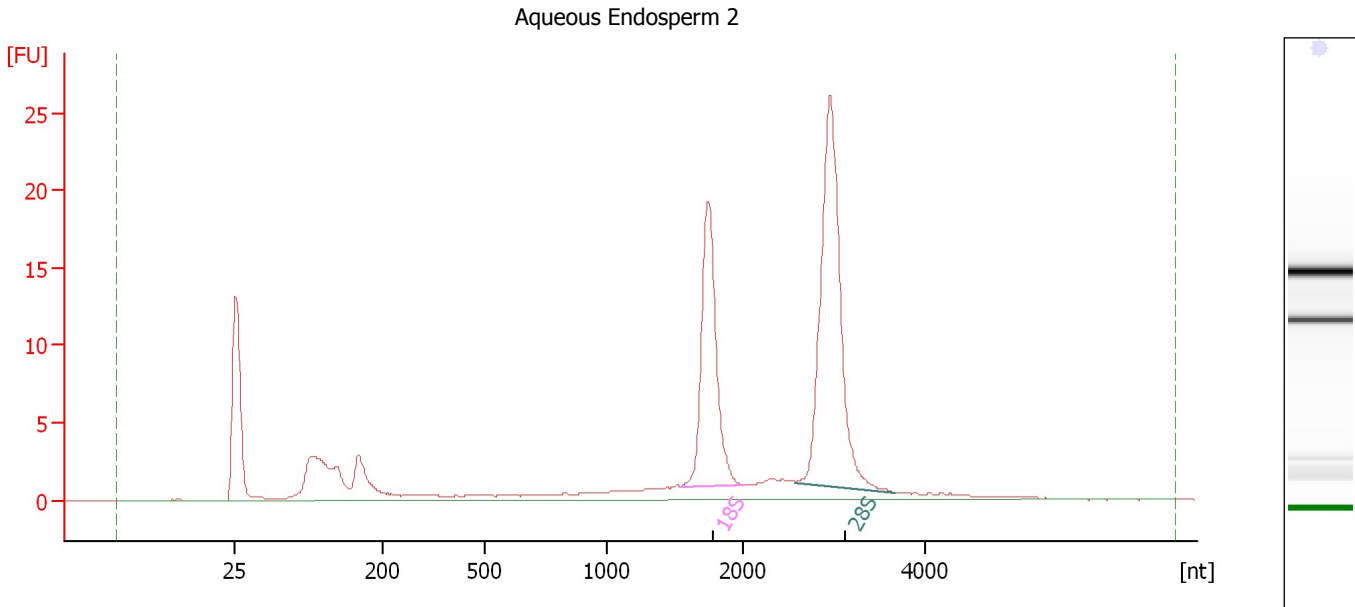
Fragment table for sample 3 : Aqueous Endosperm1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	2,235	5.0	19.1
28S	2,758	3,684	8.9	34.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Aqueous Endosperm 2

RNA Area: 142.3 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 930 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.80

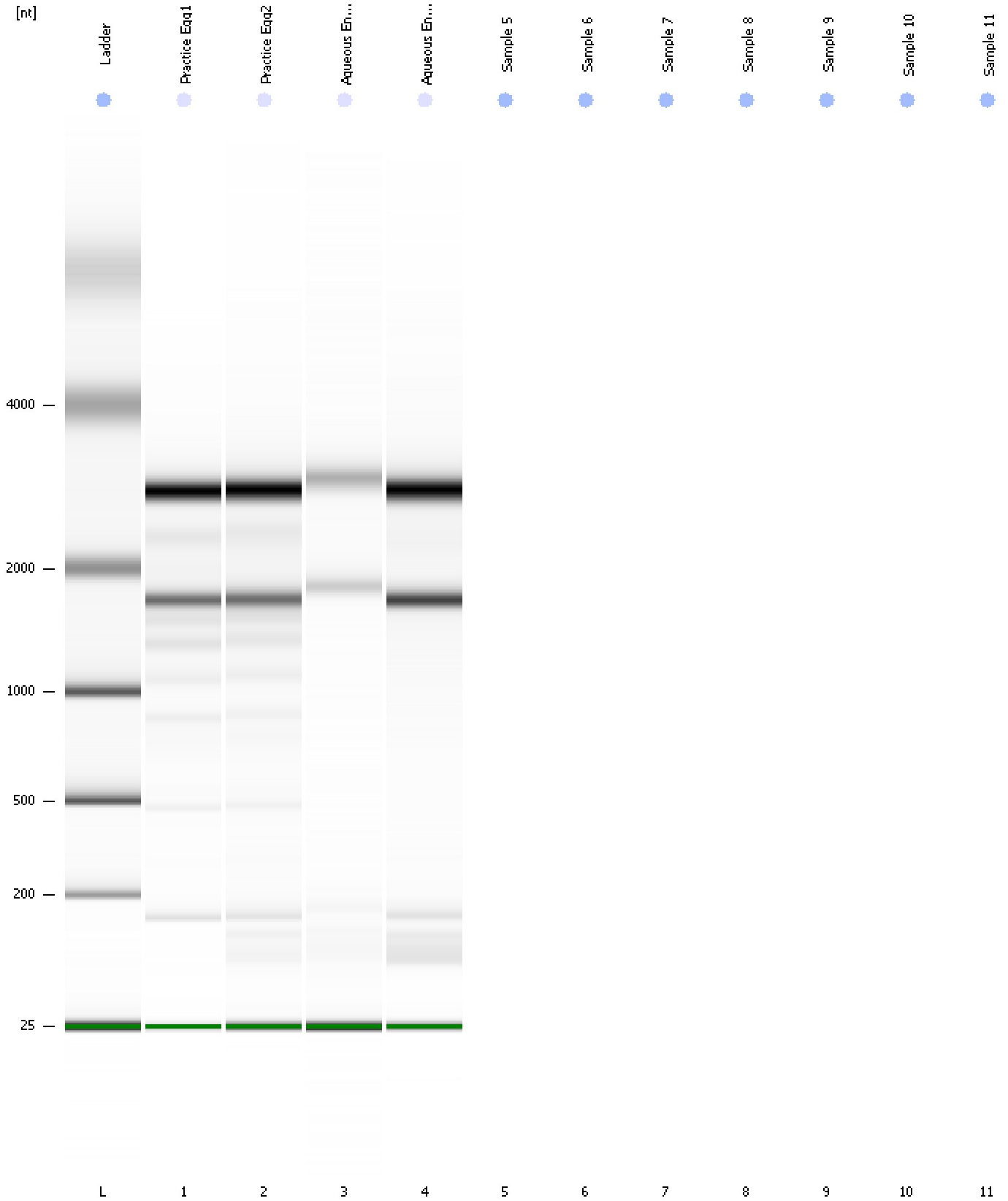
Fragment table for sample 4 : Aqueous Endosperm 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	2,023	30.6	21.5
28S	2,578	3,676	49.6	34.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Gel Image

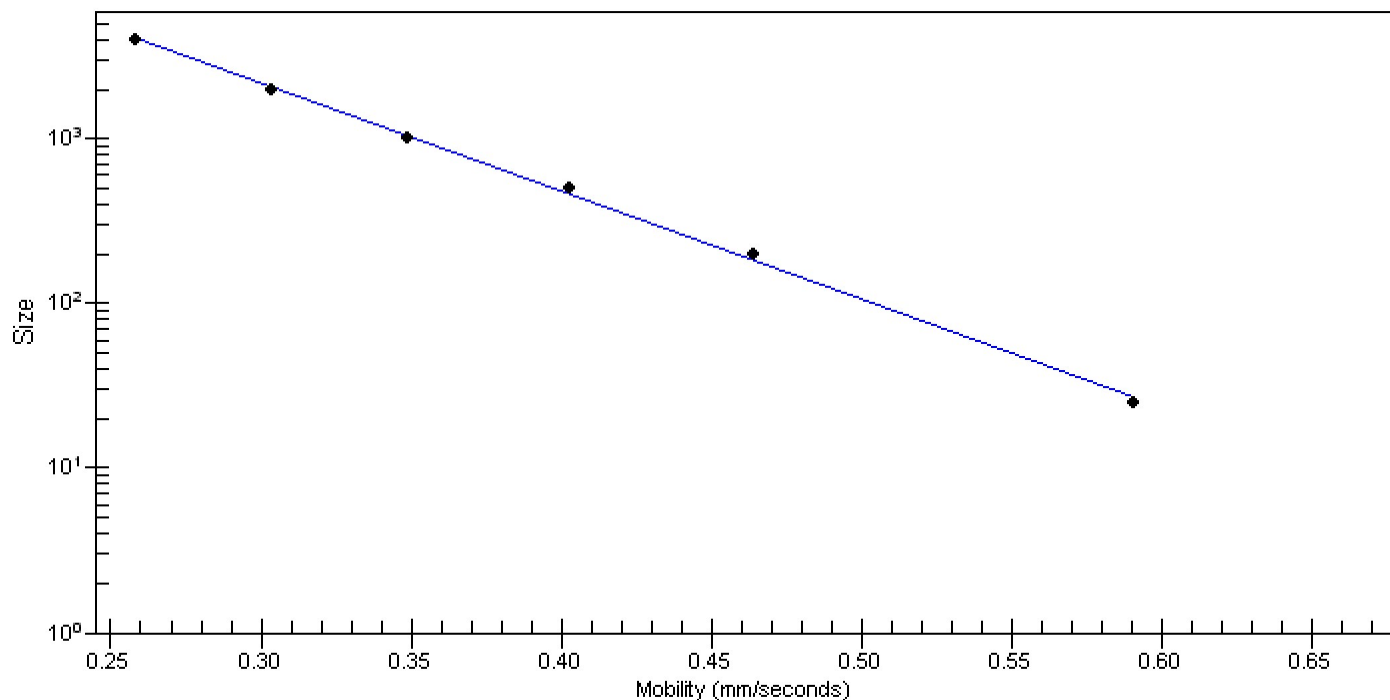


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
Modified: 9/15/2015 2:41:15 PM

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\2015-09-15\2015-09-15_001.xad

Created: 9/15/2015 2:28:22 PM
 Modified: 9/15/2015 2:41:15 PM

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		9/15/2015 2:41:14 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-09-15\2015-09-15_001.xad)		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/15/2015 2:28:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1