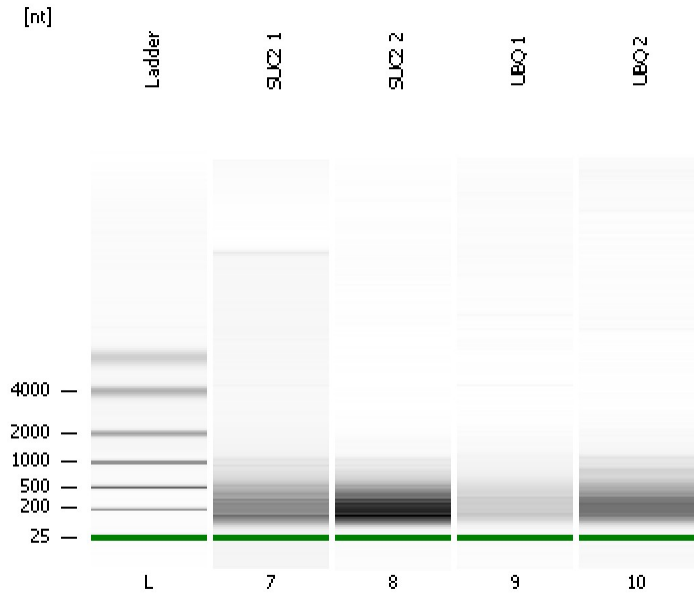


Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 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\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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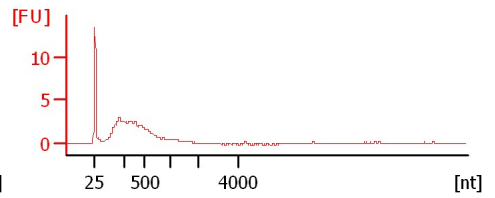
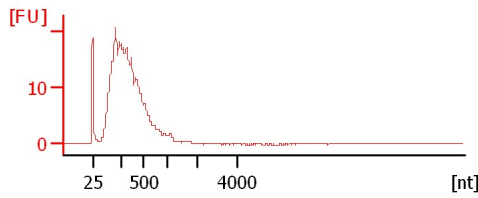
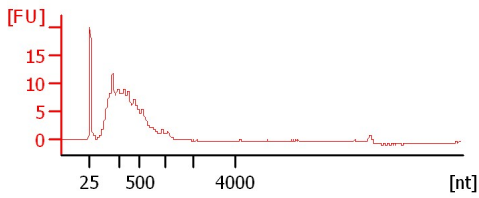
Chip Information:

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

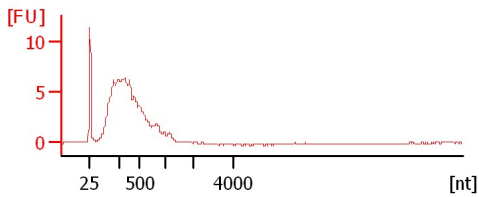
SUC2 1

SUC2 2

UBQ 1



UBQ 2



Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
SUC2 1		✓		
SUC2 2		✓		
UBQ 1		✓		
UBQ 2		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
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] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

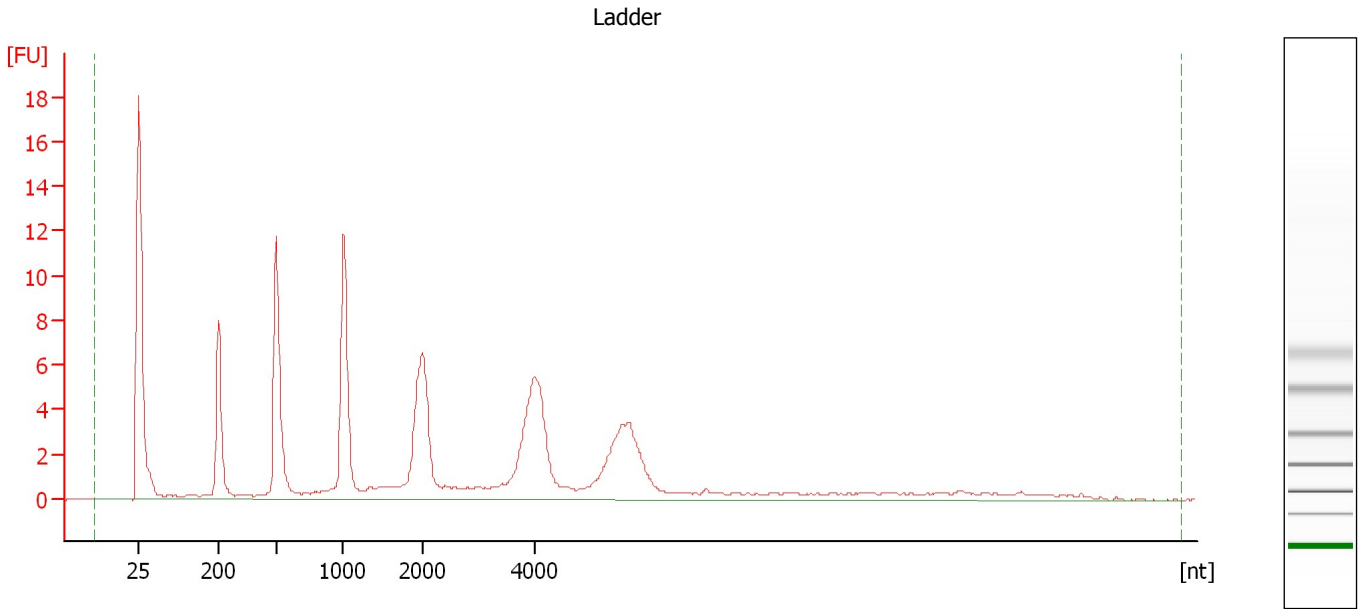
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electropherogram Summary



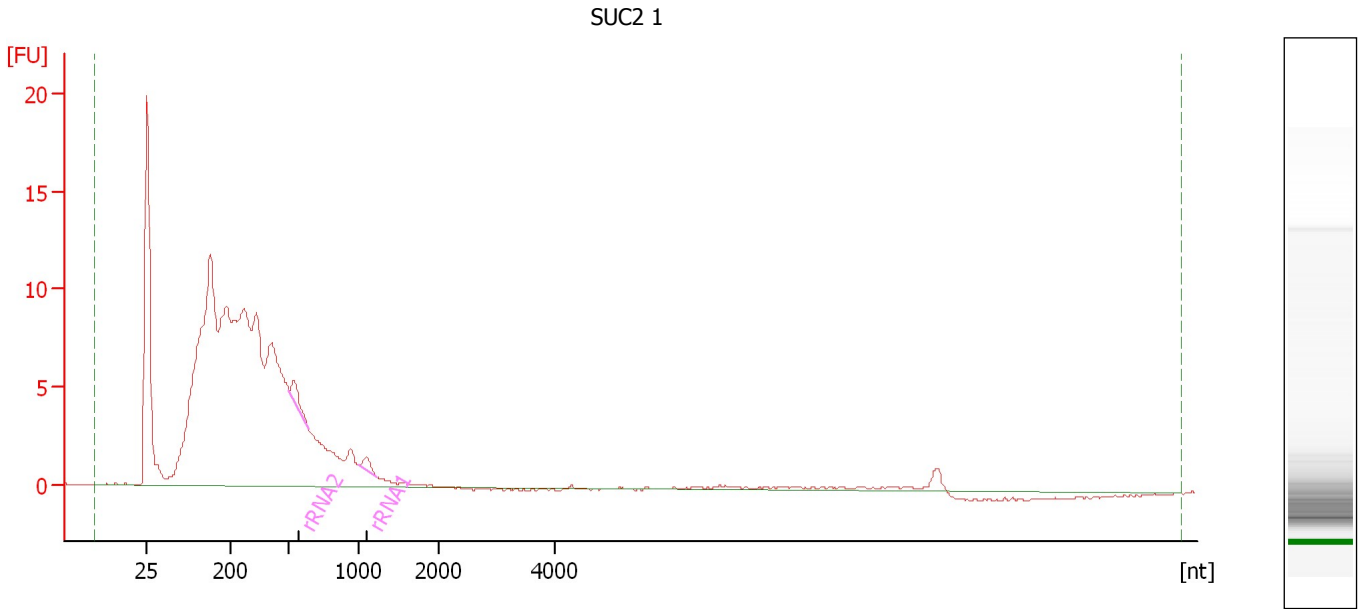
Overall Results for Ladder

RNA Area: 139.4 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SUC2 1

RNA Area: 255.2 rRNA Contamination: 1.2 %
RNA Concentration: 1,831 pg/μl

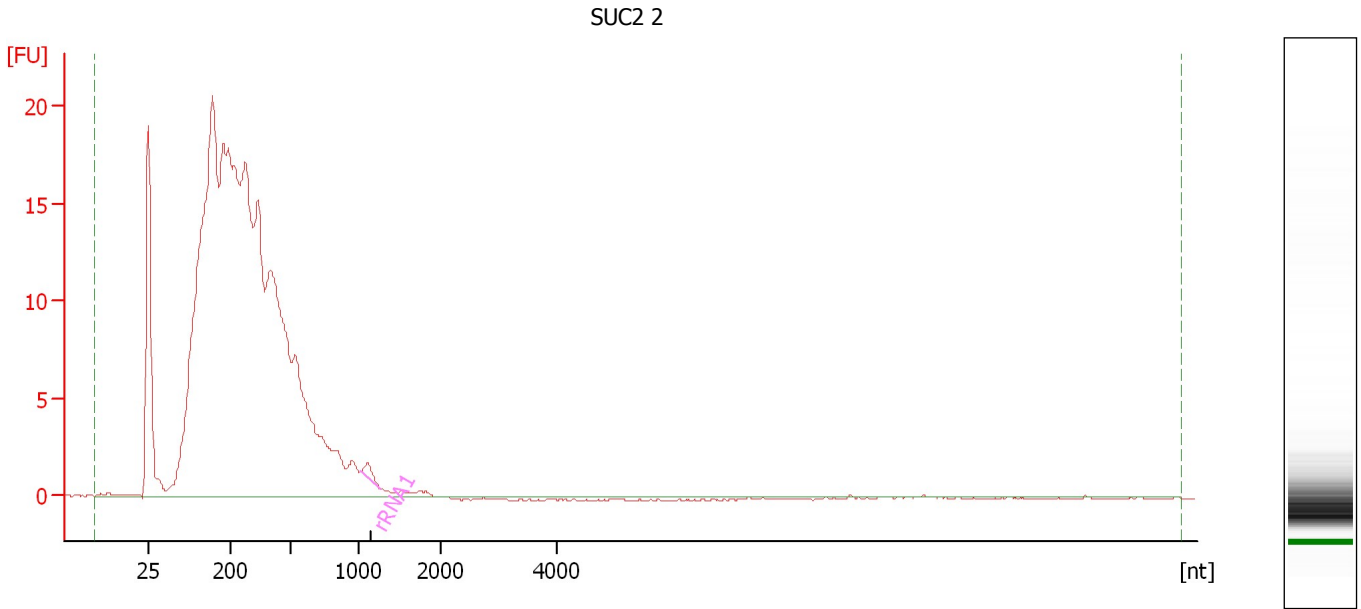
Fragment table for sample 7 : SUC2 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	505	642	2.1	0.8
rRNA1	1,014	1,220	1.1	0.4

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SUC2 2

RNA Area: 428.2 rRNA Contamination: 0.3 %
RNA Concentration: 3,072 pg/μl

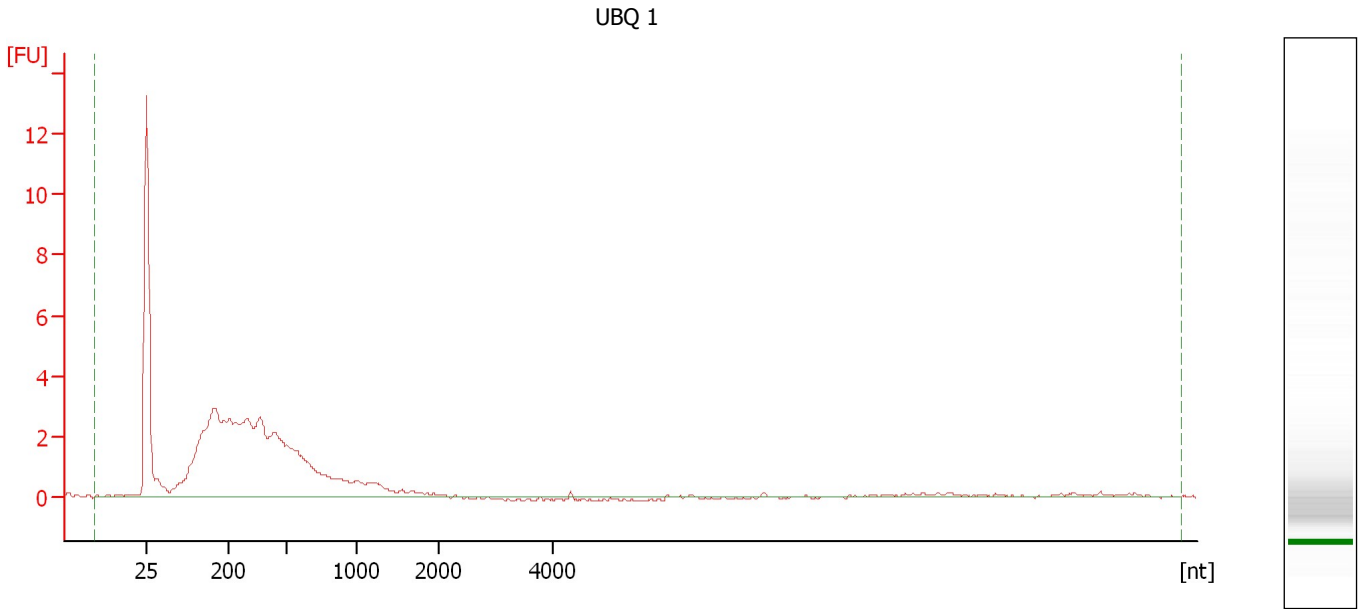
Fragment table for sample 8 : SUC2 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,017	1,252	1.3	0.3

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electropherogram Summary Continued ...



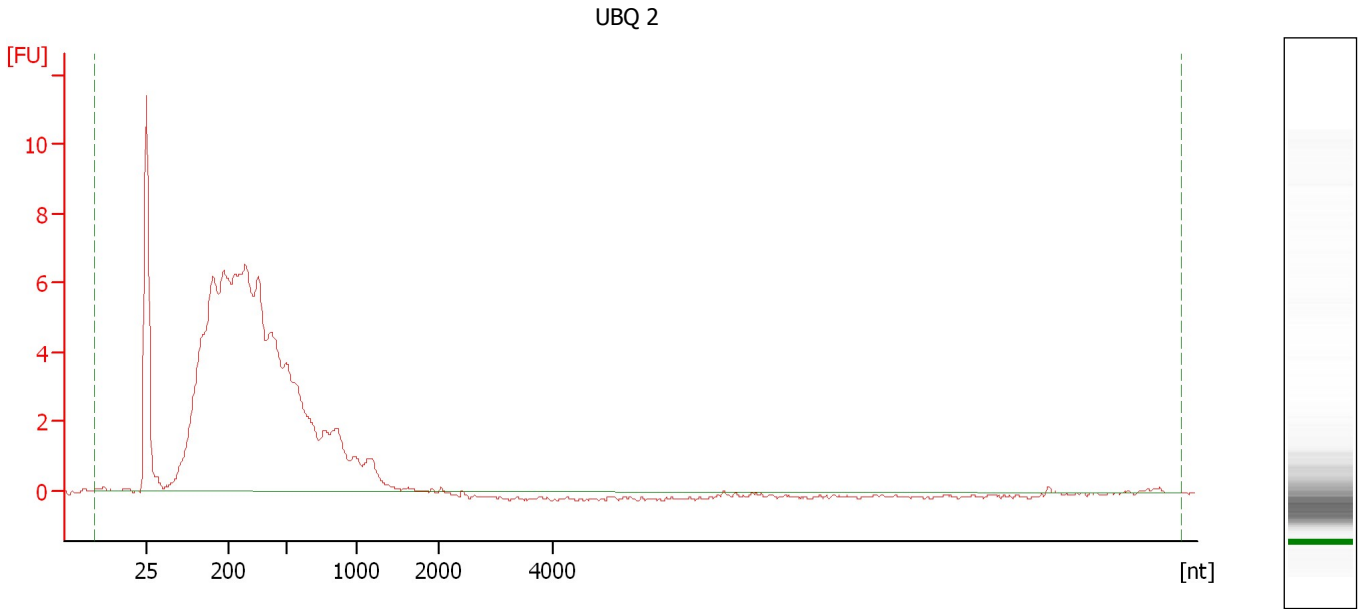
Overall Results for sample 9 : UBQ 1

RNA Area: 79.7 rRNA Contamination: 0.0 %
RNA Concentration: 572 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Electropherogram Summary Continued ...



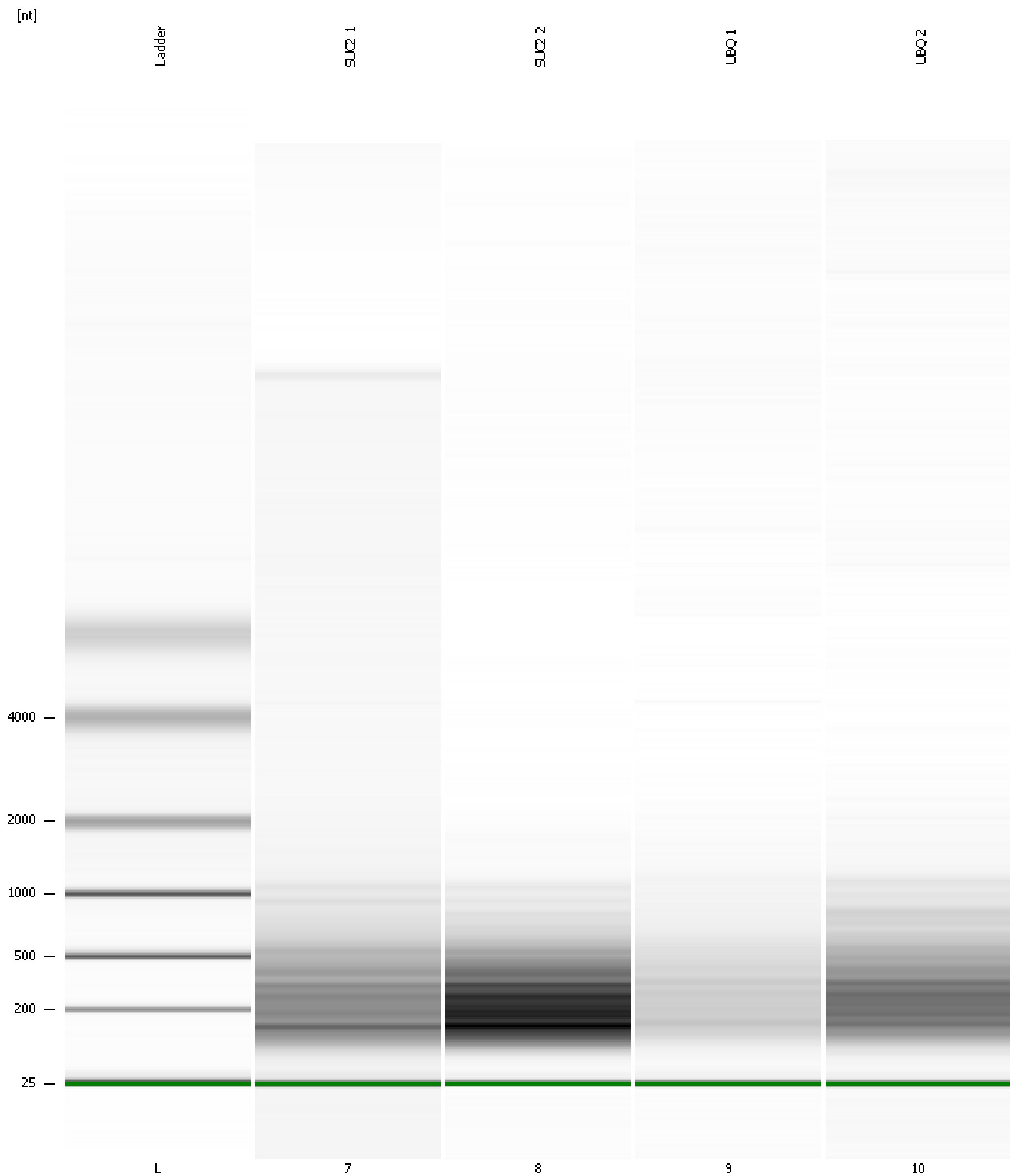
Overall Results for sample 10 : UBQ 2

RNA Area: 162.7 rRNA Contamination: 0.0 %
RNA Concentration: 1,168 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Gel Image

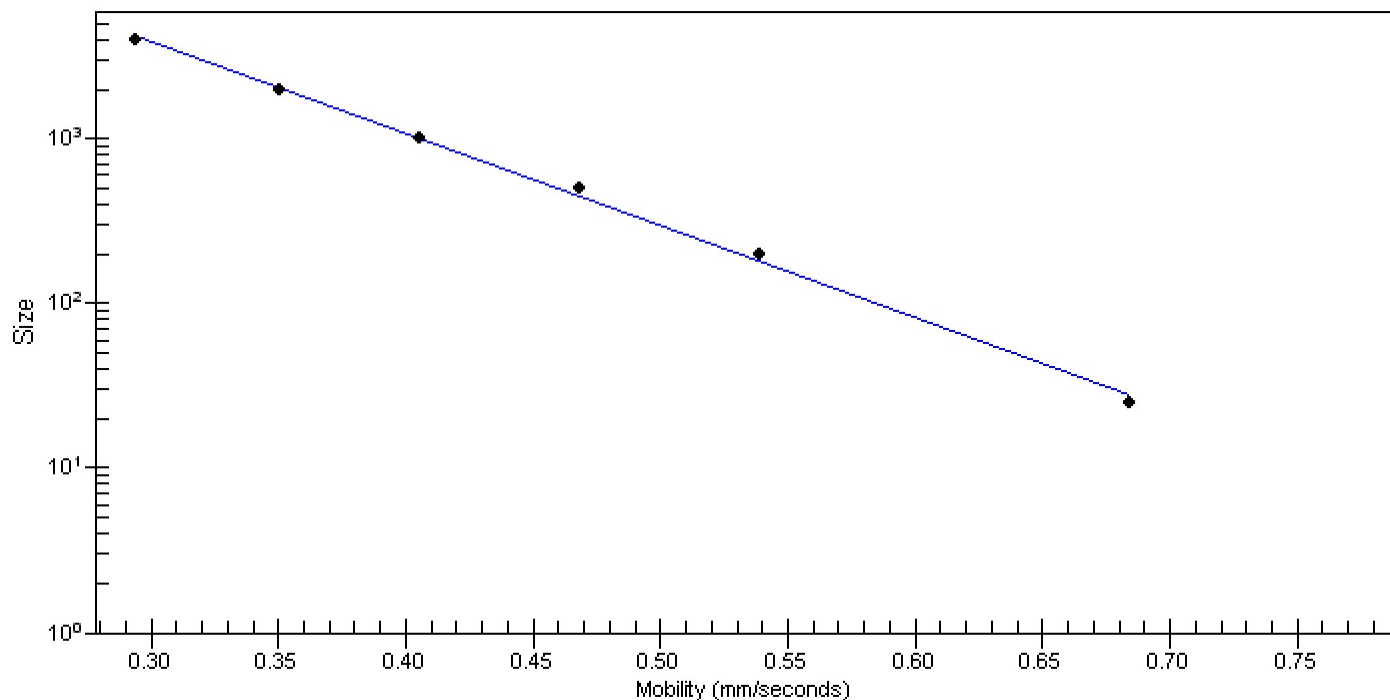


Assay Class: mRNA Pico
Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
Modified: 4/19/2016 4:53:37 PM

Curves

Standard Curve



Assay Class: mRNA Pico
 Data Path: C:\...2100 expert\data\2016-04-19\2016-04-19_003_Suc2_Ubq_RNA.xad

Created: 4/19/2016 4:26:39 PM
 Modified: 4/19/2016 4:53:37 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		4/19/2016 4:52:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-04-19\2016-04-19_003.xad)		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2016 4:26:44 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1