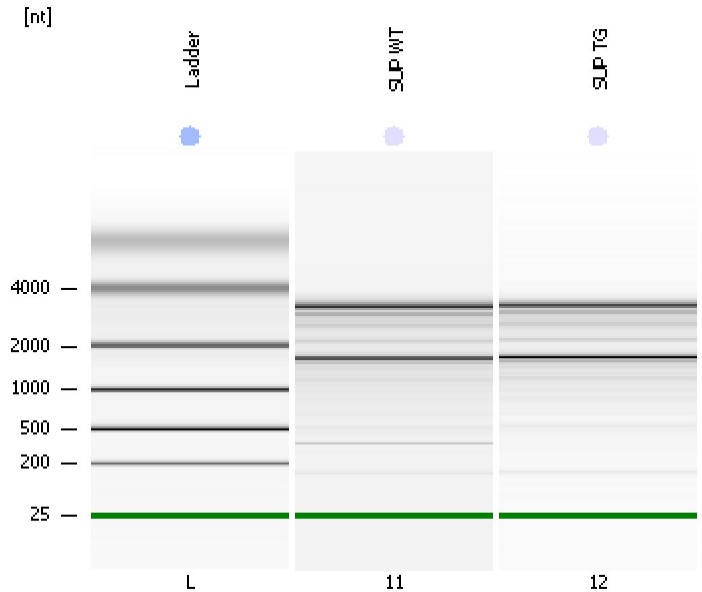


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
SUP WT		✓	RIN: 7.60	
SUP TG		✓	RIN: 7.20	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

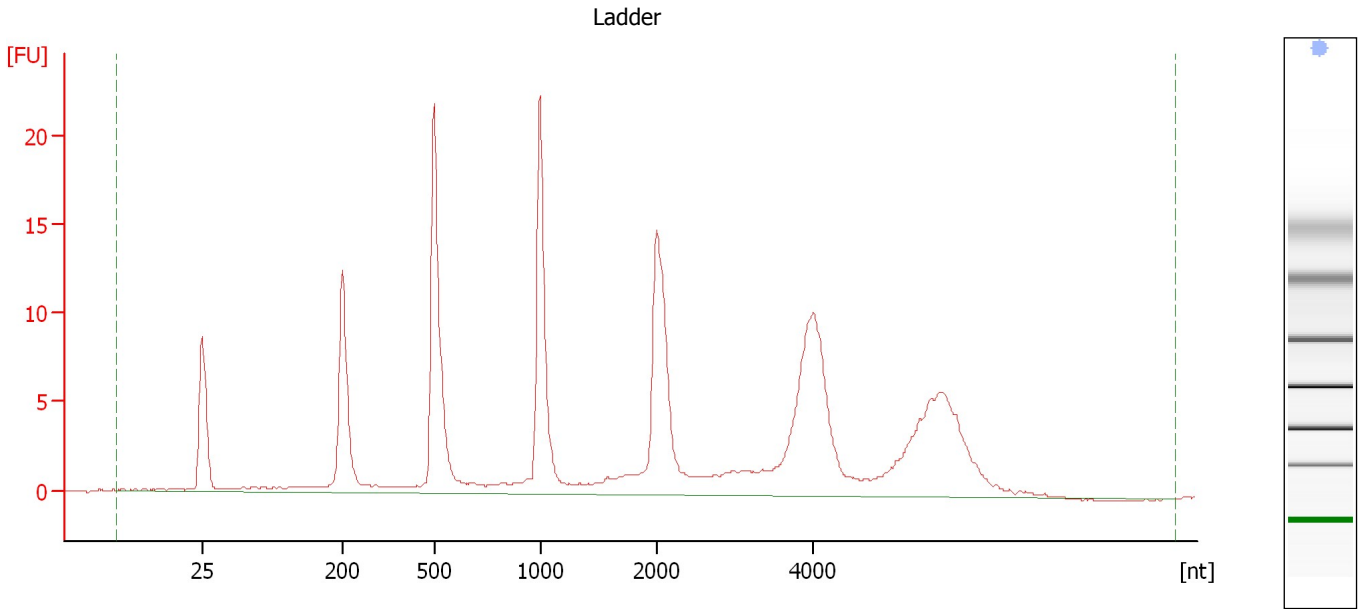
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 PM

Electropherogram Summary



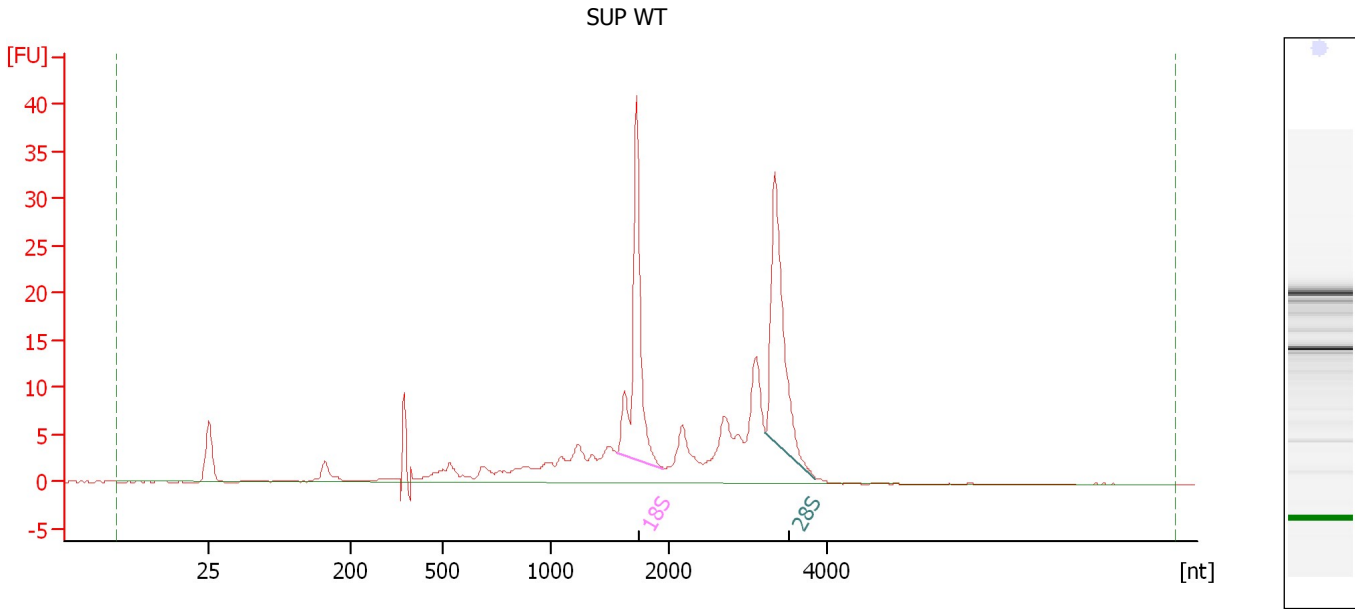
Overall Results for Ladder

RNA Area:	201.0	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
 Modified: 2/2/2017 12:17:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SUP WT

RNA Area:	206.3	RNA Integrity Number (RIN):	7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	154 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.60

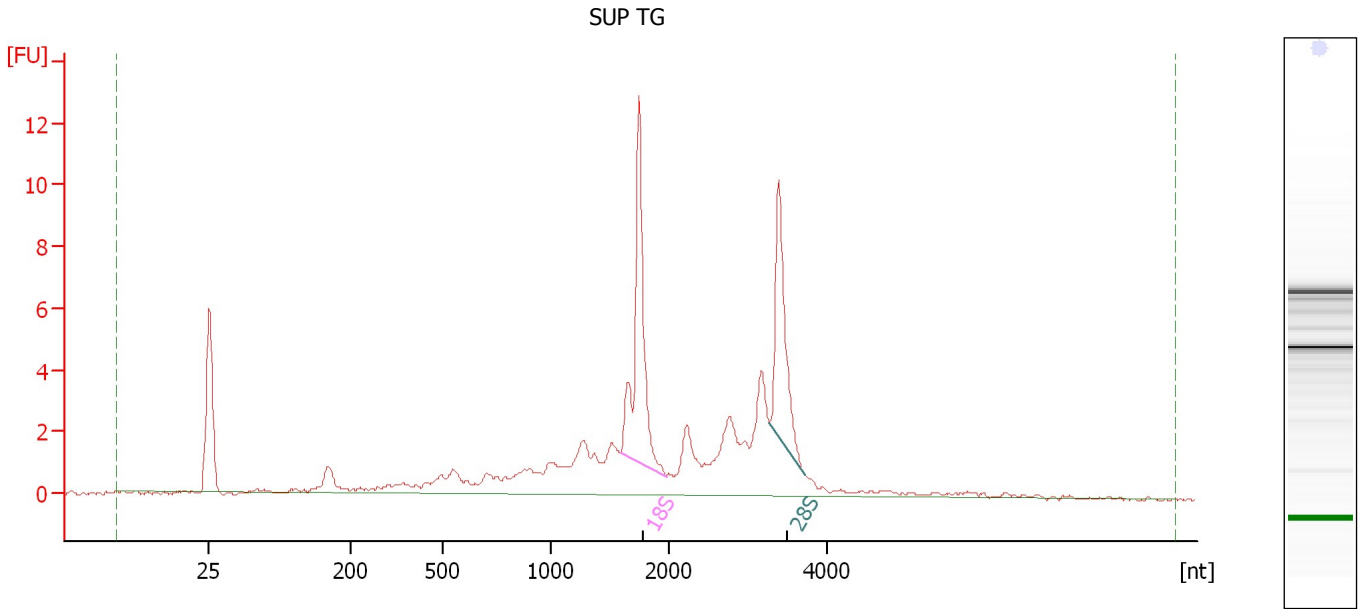
Fragment table for sample 11 : SUP WT

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,950	38.7	18.7
28S	3,225	3,860	36.2	17.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : SUP TG

RNA Area:	73.8	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.20

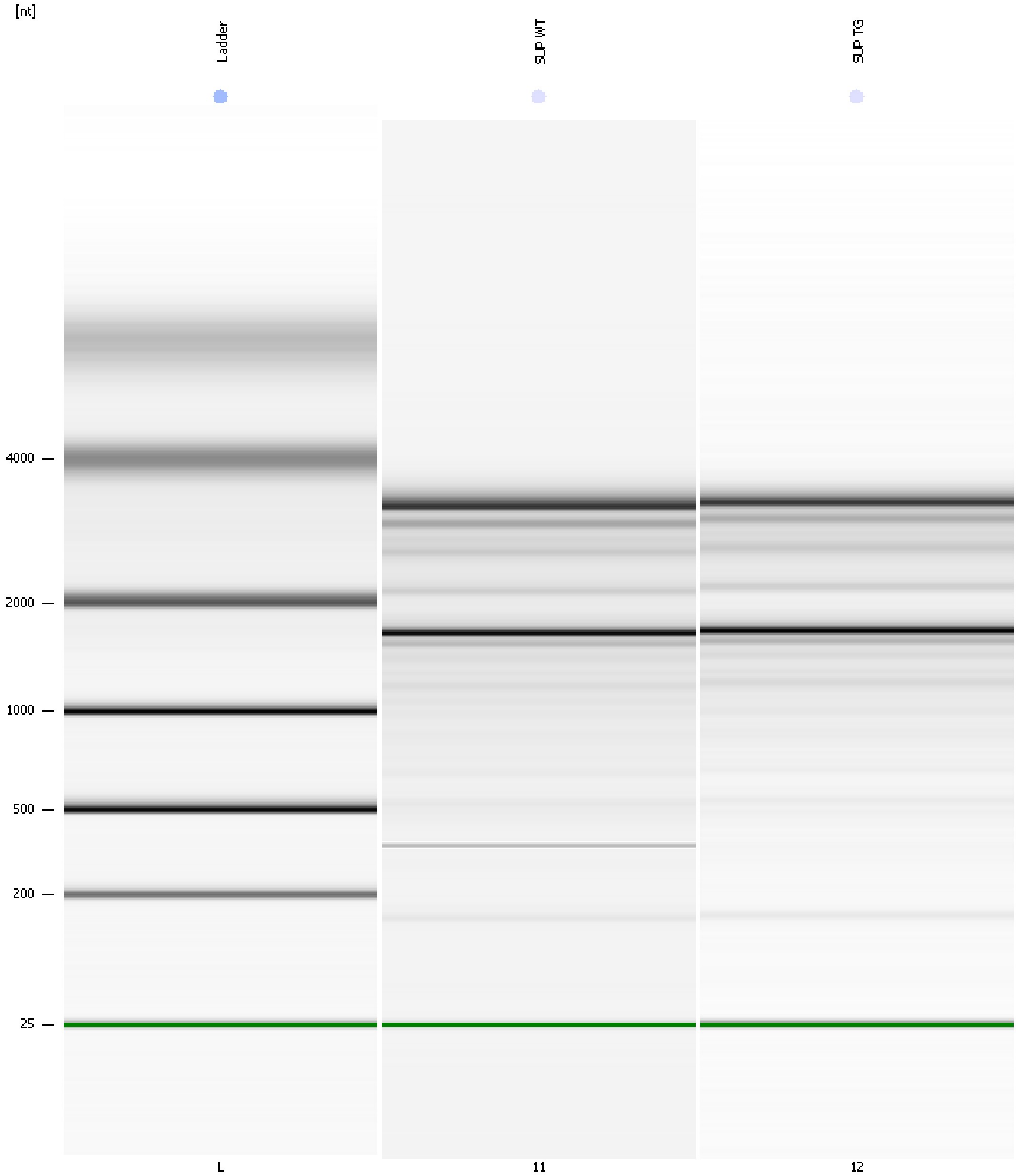
Fragment table for sample 12 : SUP TG

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,978	12.8	17.3
28S	3,279	3,712	8.8	11.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad

Created: 2/2/2017 11:08:15 AM
Modified: 2/2/2017 12:17:47 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 2/2/2017 11:08:15 AM
 Data Path: C:\... expert\data\2017-02-02\2017-02-02_001_Kaya_SupWT_SupTG.xad Modified: 2/2/2017 12:17:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		2/2/2017 11:32:02 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-02\2017-02-02_001.xad)		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/2/2017 11:08:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1