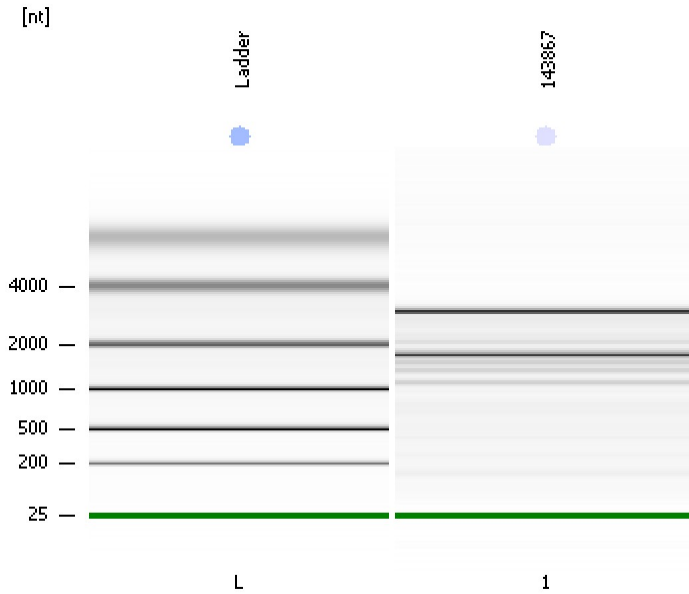


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:52:33 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 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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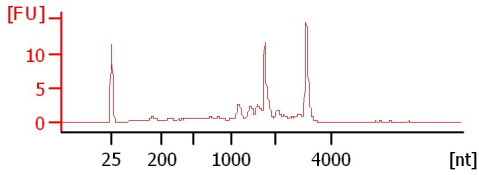
Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

143867
Melon Total RNA
RIN: 7.40



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:52:33 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
143867	Melon Total RNA	✓	RIN: 7.40	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:52:33 AM

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

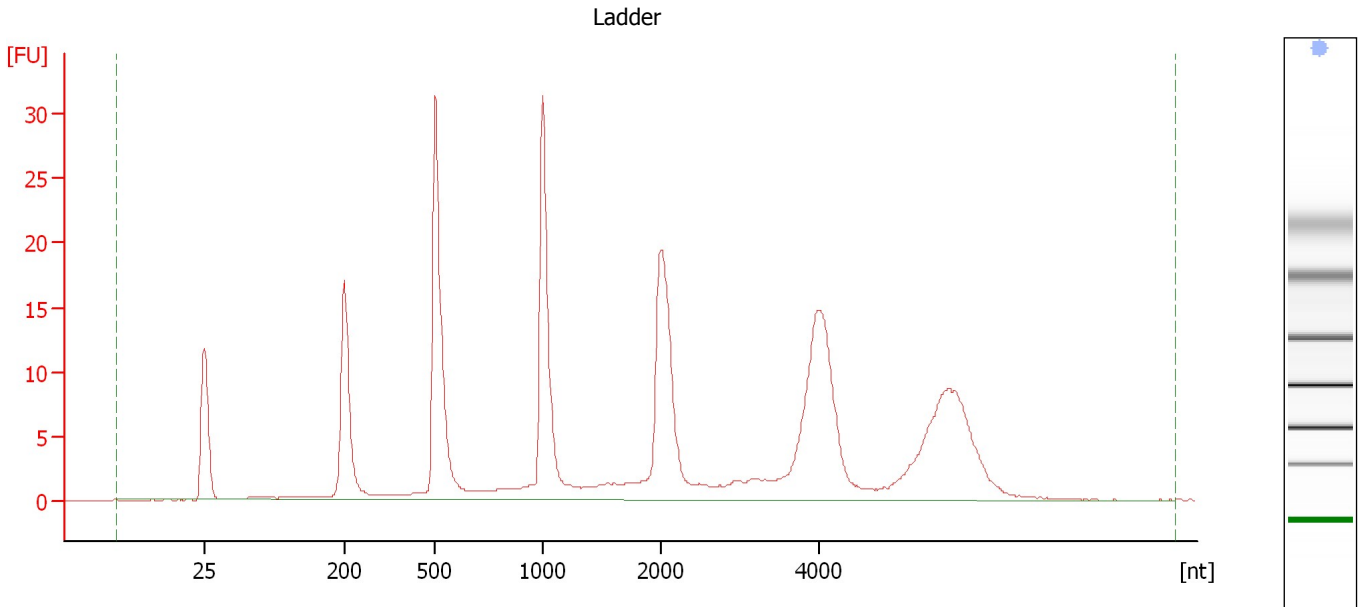
Ladder

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\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:52:33 AM

Electropherogram Summary



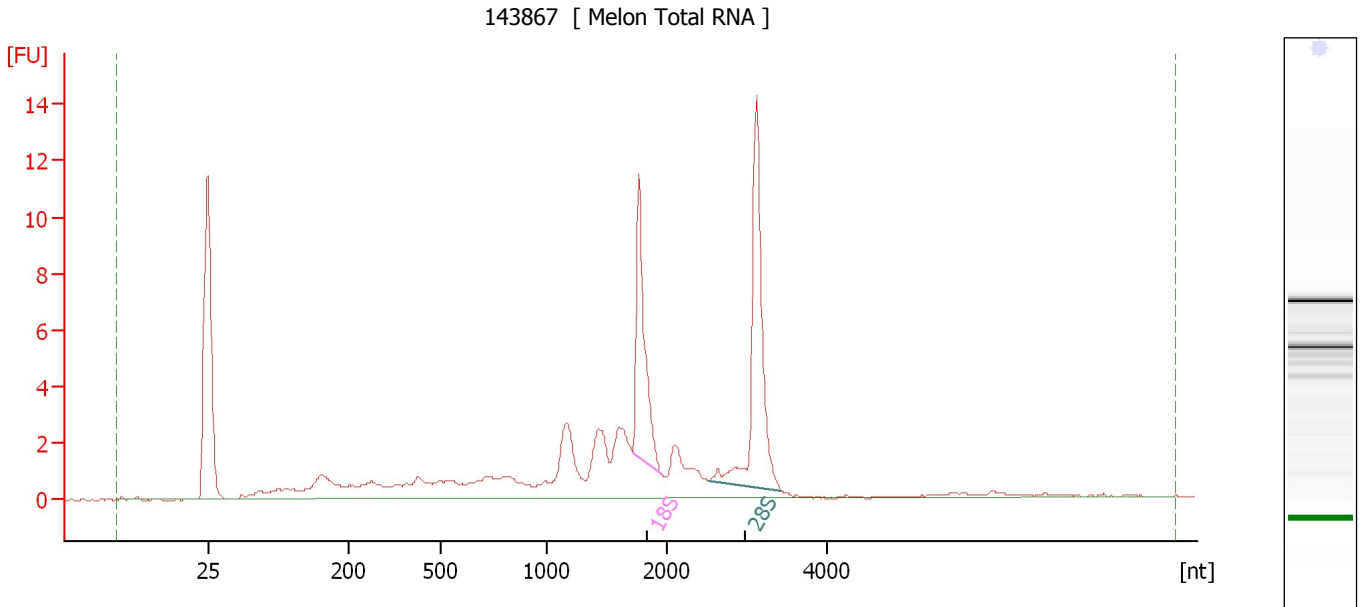
Overall Results for Ladder

RNA Area:	265.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:52:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 143867

RNA Area:	75.8	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.40

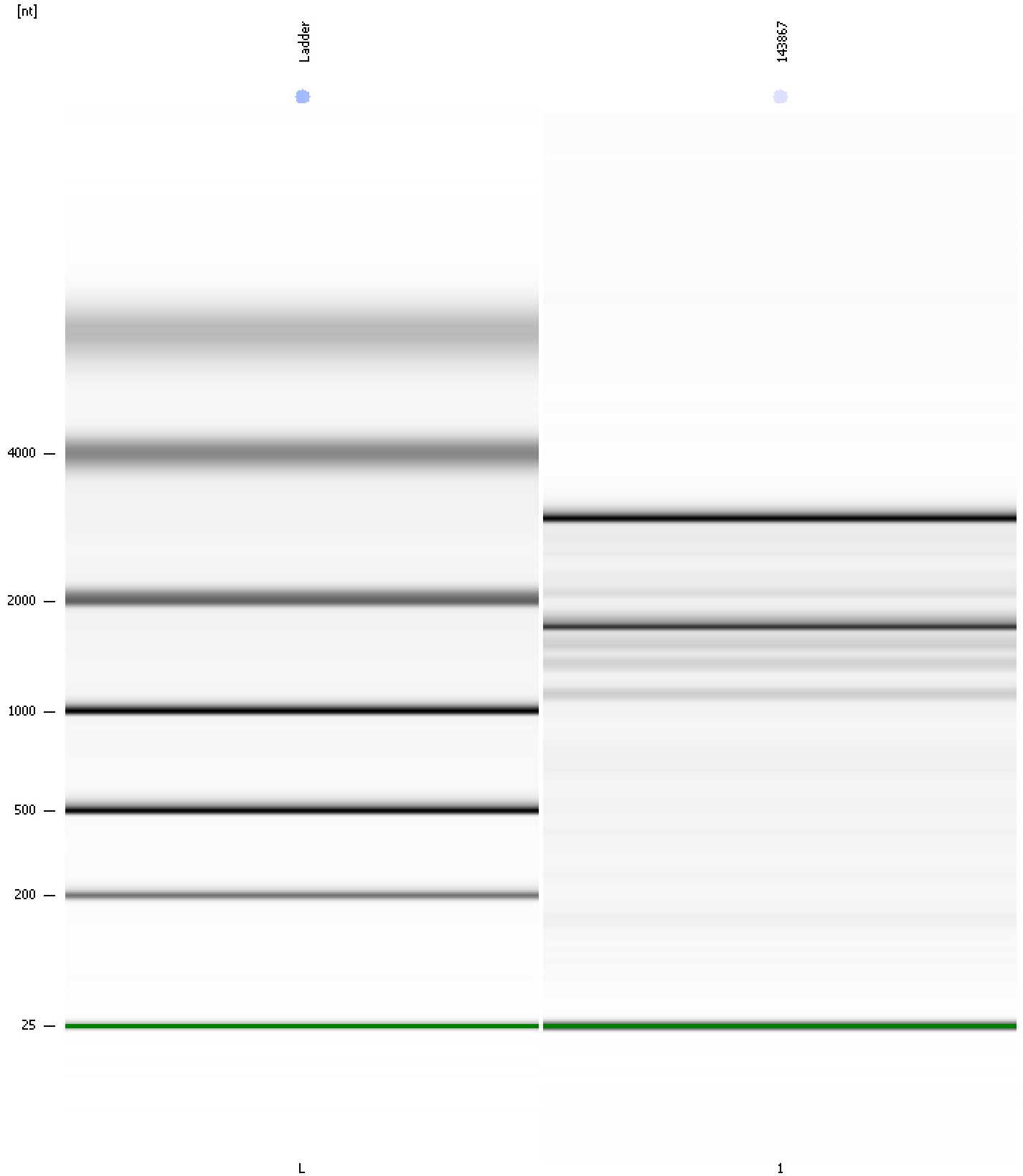
Fragment table for sample 1 : 143867

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,957	10.1	13.4
28S	2,527	3,440	14.8	19.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
Modified: 8/10/2016 10:52:33 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... expert\data\2016-08-10\2016-08-10_001_143867_TotRNA_QC.xad

Created: 8/10/2016 10:27:36 AM
 Modified: 8/10/2016 10:52:33 AM

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		8/10/2016 10:51:23 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-10\2016-08-10_001.xad)		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/10/2016 10:27:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1