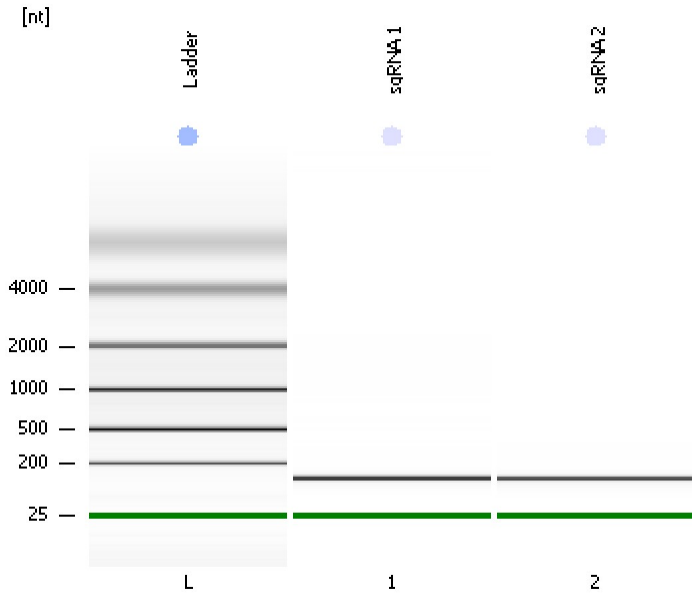


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

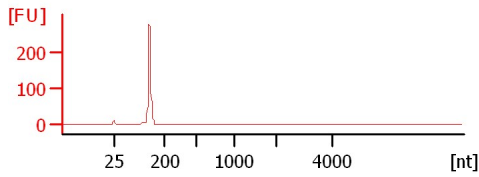
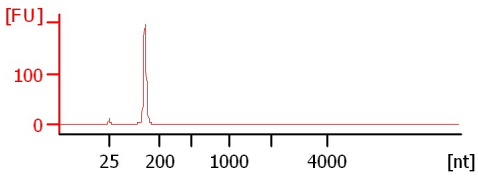
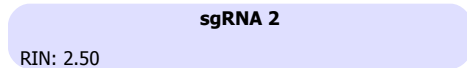
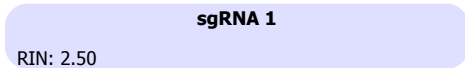
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

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:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
 Modified: 12/1/2016 3:37:44 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
sgRNA 1		✓	RIN: 2.50	
sgRNA 2		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 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

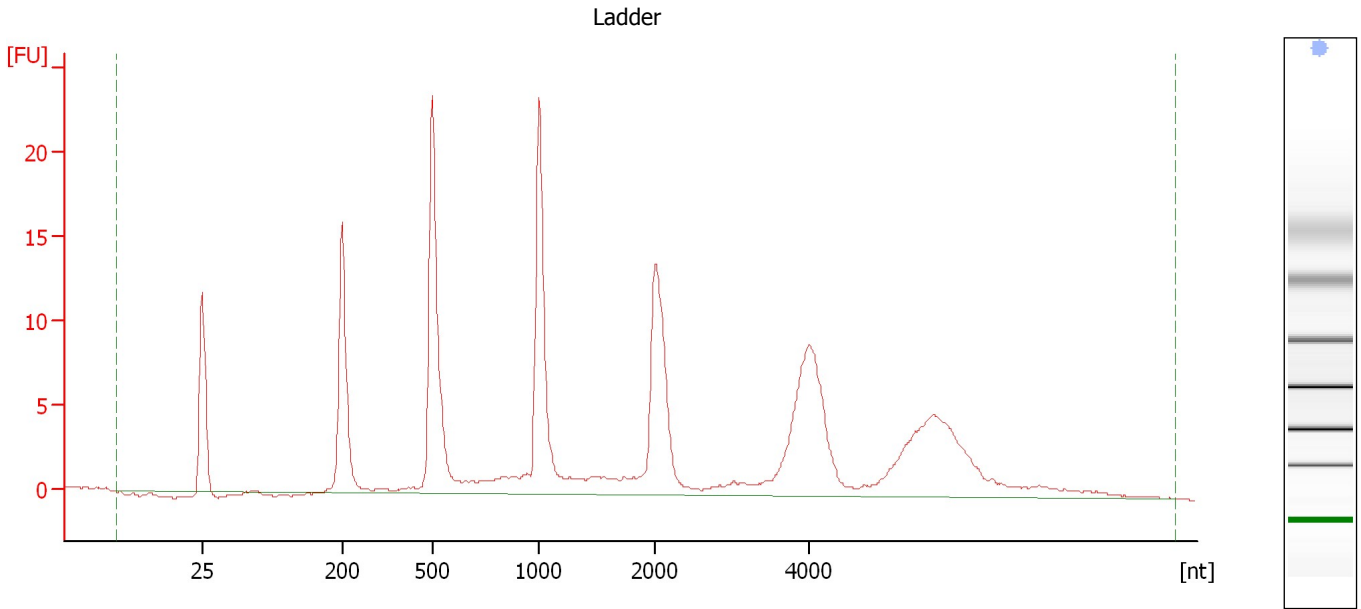
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 PM

**Electropherogram Summary**



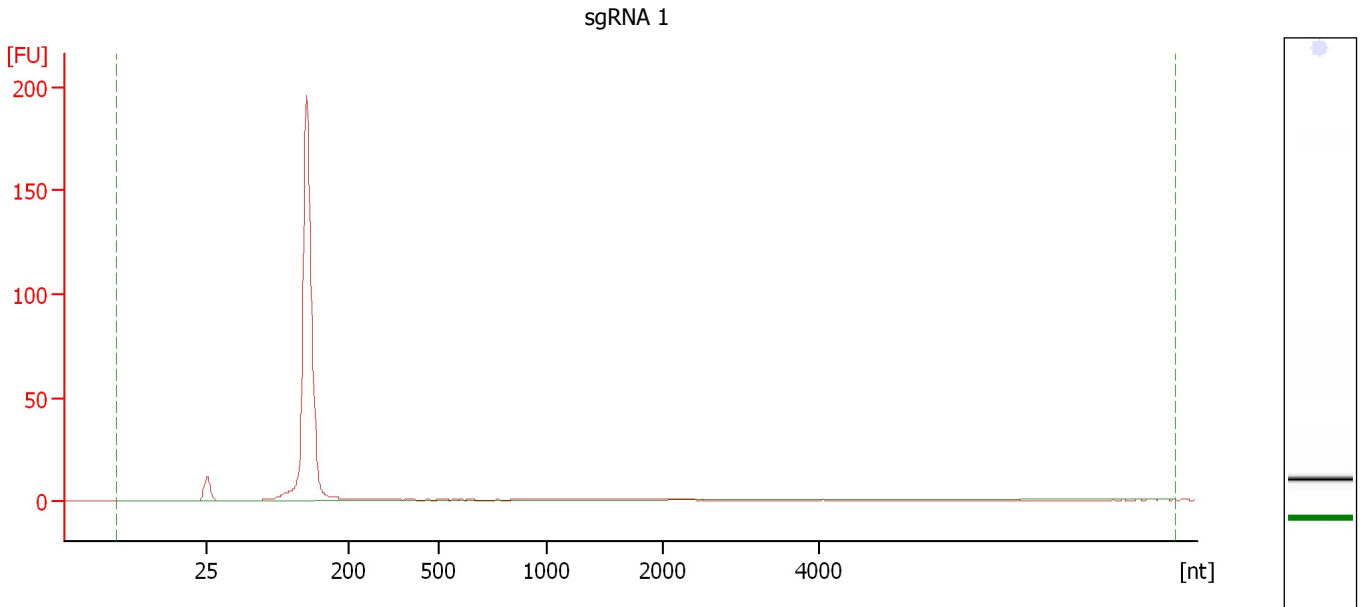
**Overall Results for Ladder**

RNA Area:	196.9	Result Flagging Color:	<span style="background-color: blue; color: blue;"> </span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 PM

**Electropherogram Summary Continued ...**



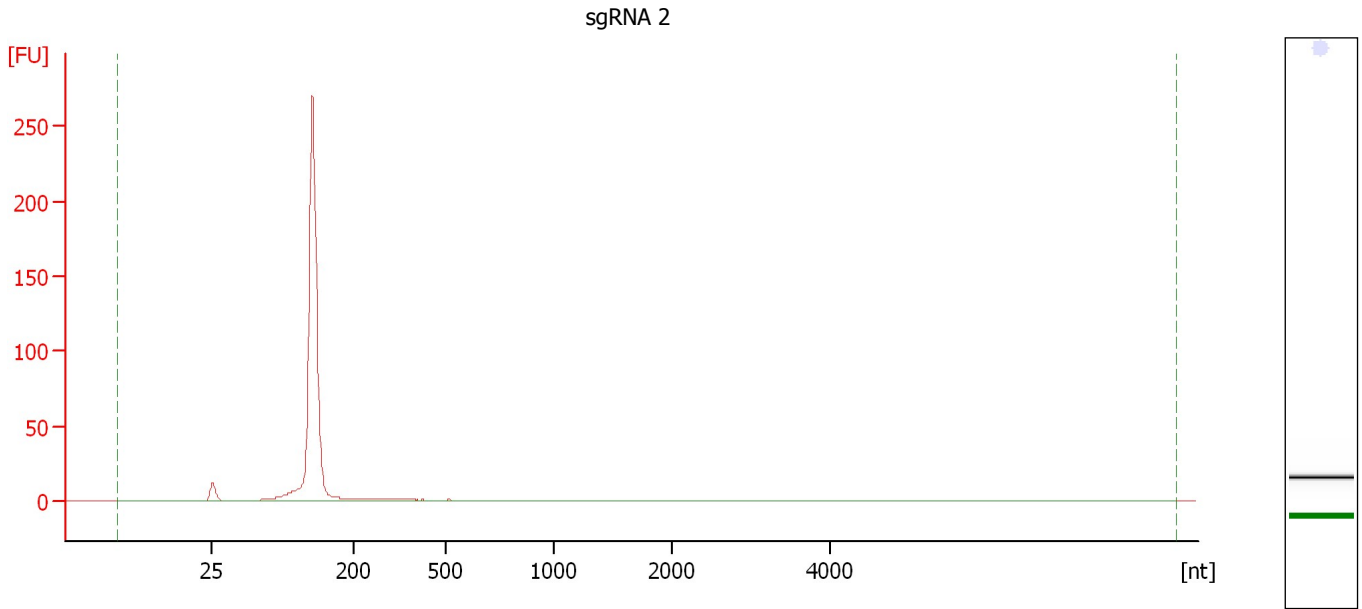
**Overall Results for sample 1 : sgRNA 1**

RNA Area:	365.8	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	279 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 PM

**Electropherogram Summary Continued ...**



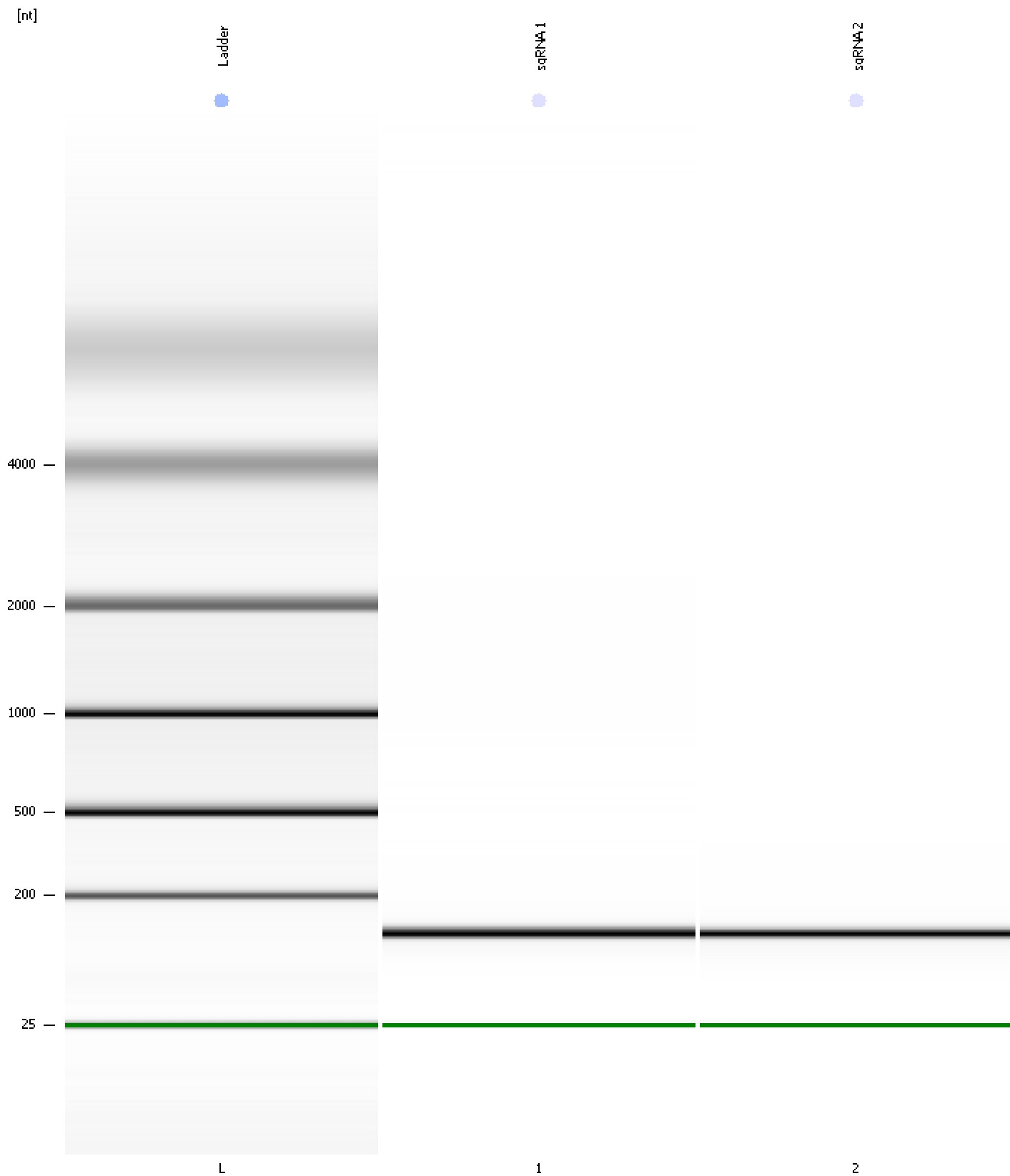
**Overall Results for sample 2 : sgRNA 2**

RNA Area:	436.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	333 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad

Created: 12/1/2016 3:20:01 PM  
Modified: 12/1/2016 3:37:44 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano Created: 12/1/2016 3:20:01 PM  
 Data Path: C:\...r\2100 expert\data\2016-12-01\2016-12-01\_004\_Ito\_RNA\_QC.xad Modified: 12/1/2016 3:37:44 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 7)		Instrument	Run		12/1/2016 3:35:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-12-01\2016-12-01_004.xad)		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/1/2016 3:20:07 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1