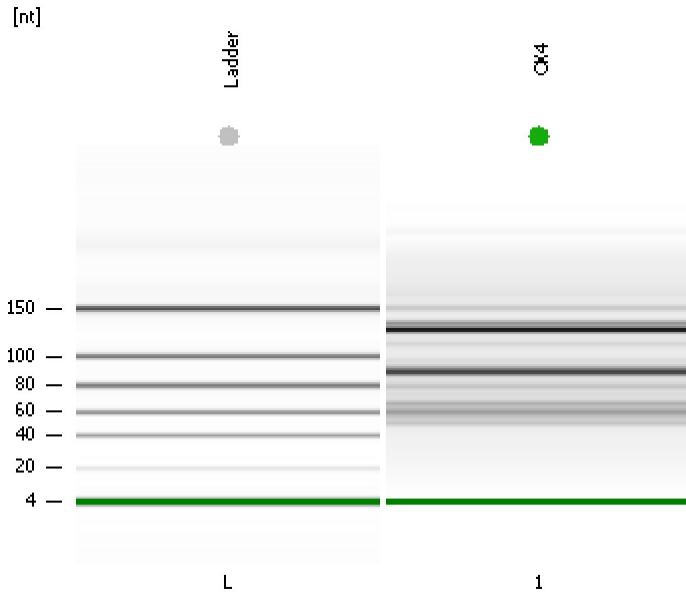


Assay Class: Small RNA
Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
Modified: 5/15/2019 12:59:46 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

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

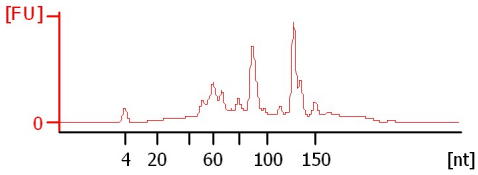
Assay Class: Small RNA
Version: 1.2
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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Chip Information:

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



OX4
22 % miRNA; Concentration: 6787.50 pg/µl



Assay Class: Small RNA
Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
Modified: 5/15/2019 12:59:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
OX4		✓	22 % miRNA; Concentration: 6787.50 pg/μl	
Ladder		✓	Number of Peaks: 6	
Chip Lot #			Reagent Kit Lot #	

Chip Comments :

Assay Class: Small RNA
Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
Modified: 5/15/2019 12:59:46 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 90
Start Analysis Time Range [s] : 31
End Analysis Time Range [s] : 89
Ladder Concentration [pg/ μ l] : 2500
Lower Marker Concentration [pg/ μ l] : 500
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] : 30
Integration End Time [s] : 89
Slope Threshold : 0.6
Height Threshold [FU] : 3
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 60

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

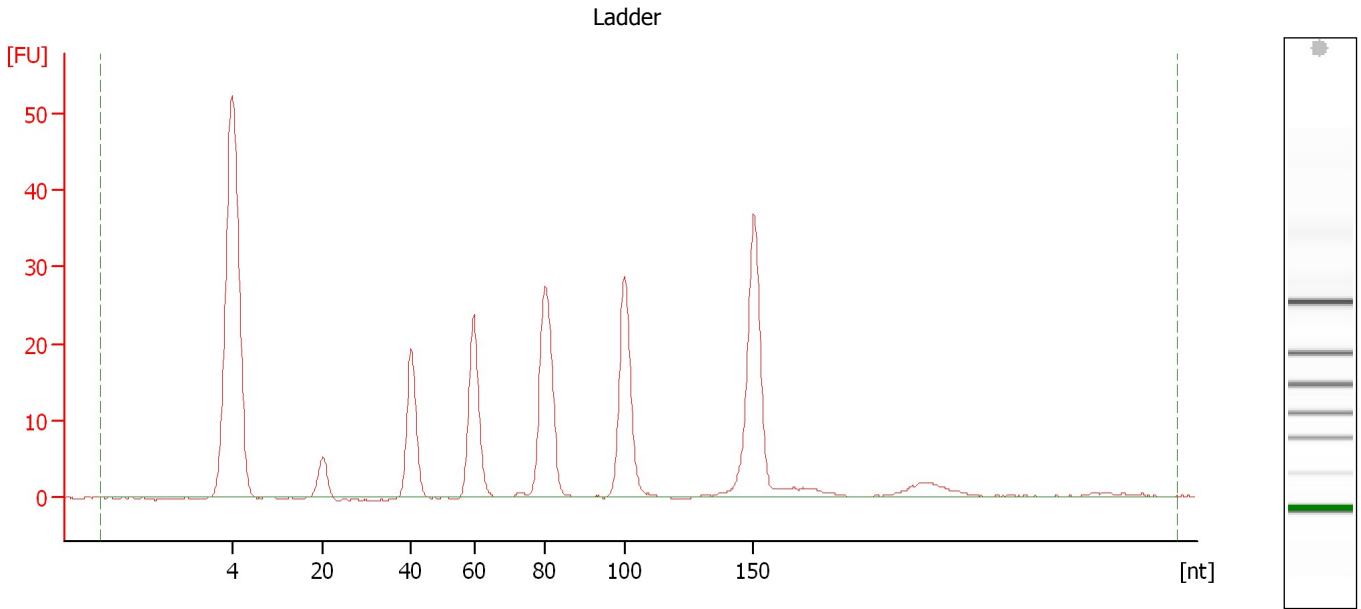
Ladder

Ladder Peak	Size
1	4
2	20
3	40
4	60
5	80
6	100
7	150

Assay Class: Small RNA
Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
Modified: 5/15/2019 12:59:46 PM

Electropherogram Summary



Overall Results for Ladder

Result Flagging Color:

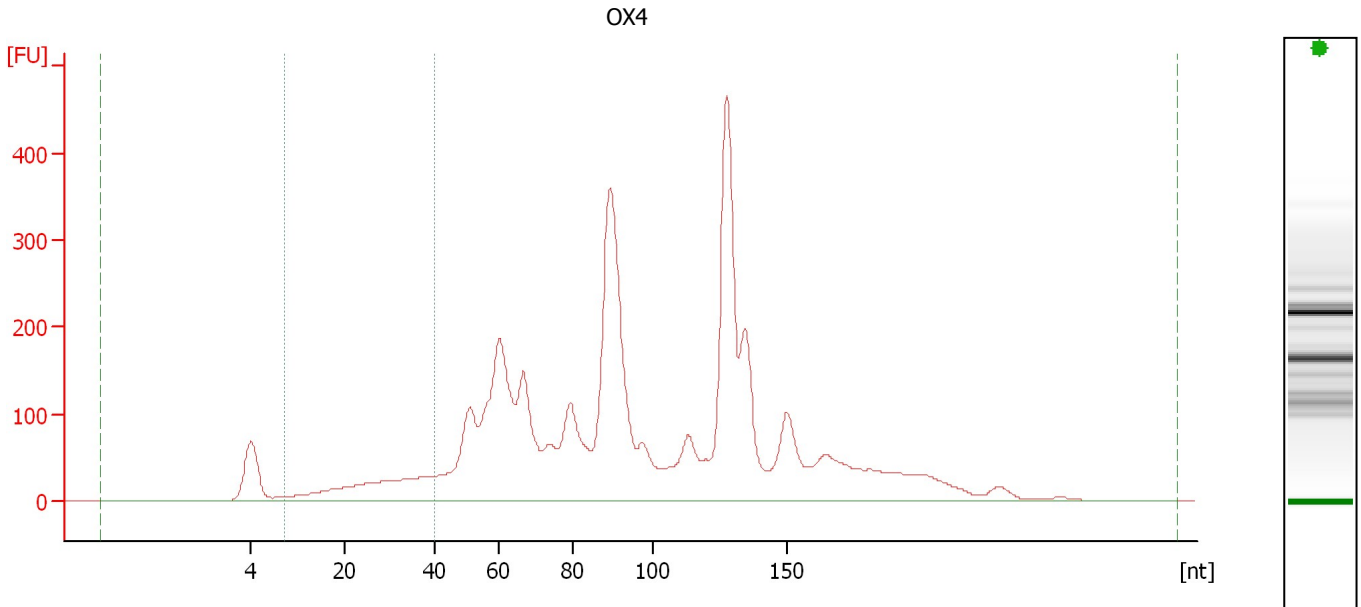
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA
 Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
 Modified: 5/15/2019 12:59:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : OX4

Small RNA Concentration [pg/μl]:	31,310.0	Result Flagging Color:	
miRNA Concentration [pg/μl]:	6,787.5	Result Flagging Label:	22 % miRNA; Concentration: 6787.50 pg/μl
miRNA / Small RNA Ratio [%]:	22		

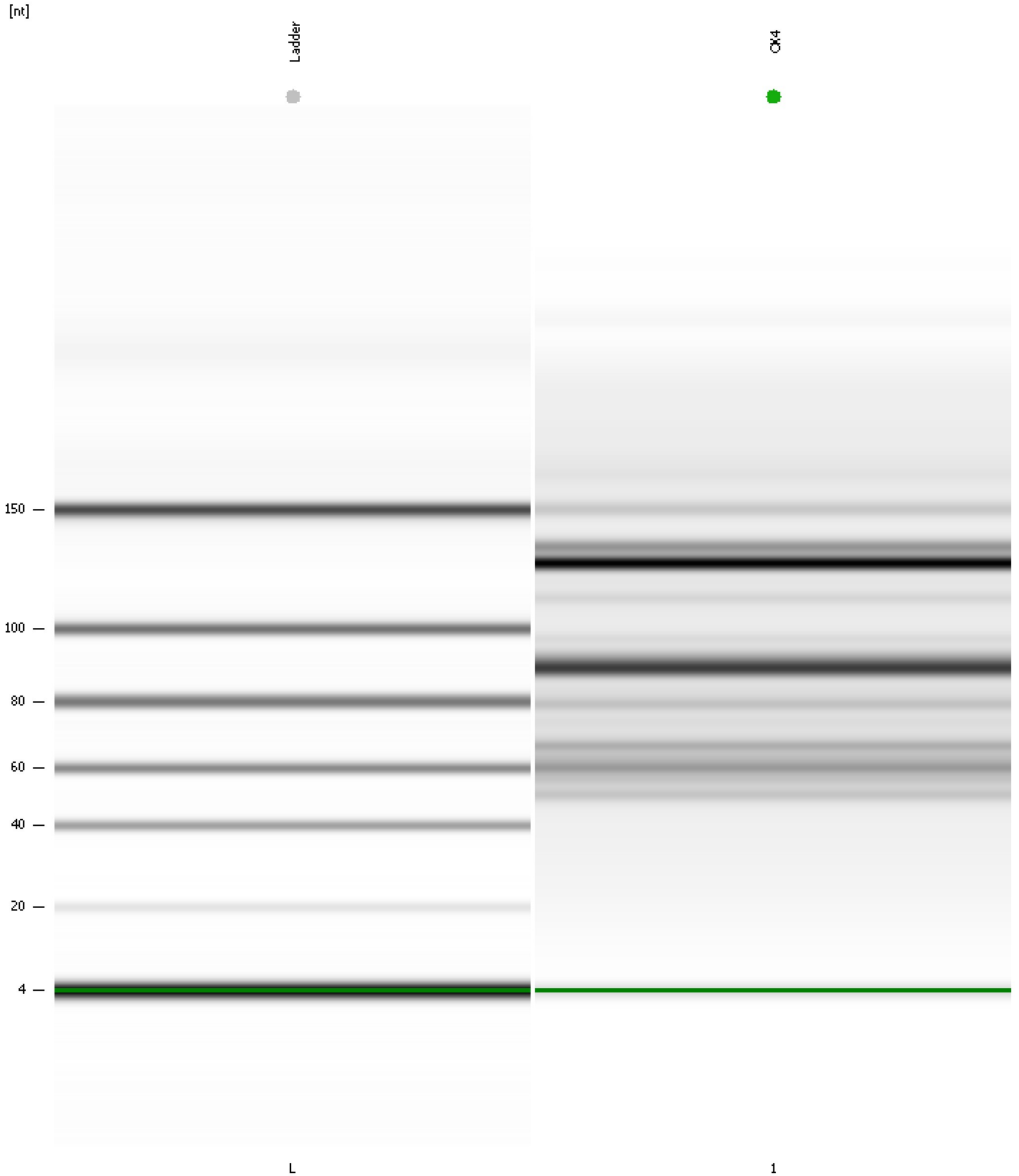
Region table for sample 1 : OX4

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	297	103	47.4	31,310.0	100	
miRNA	10	40	28	29.4	6,787.5	22	

Assay Class: Small RNA
Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
Modified: 5/15/2019 12:59:46 PM

Gel Image



Assay Class: Small RNA
 Data Path: C:\...expert\data\2019-05-15\2019-05-15_006_BorisReznik_miRNA.xad

Created: 5/15/2019 12:23:06 PM
 Modified: 5/15/2019 12:59:46 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		5/15/2019 12:53:49 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\2019-05-15\2019-05-15_006.xad)		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/15/2019 12:23:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1