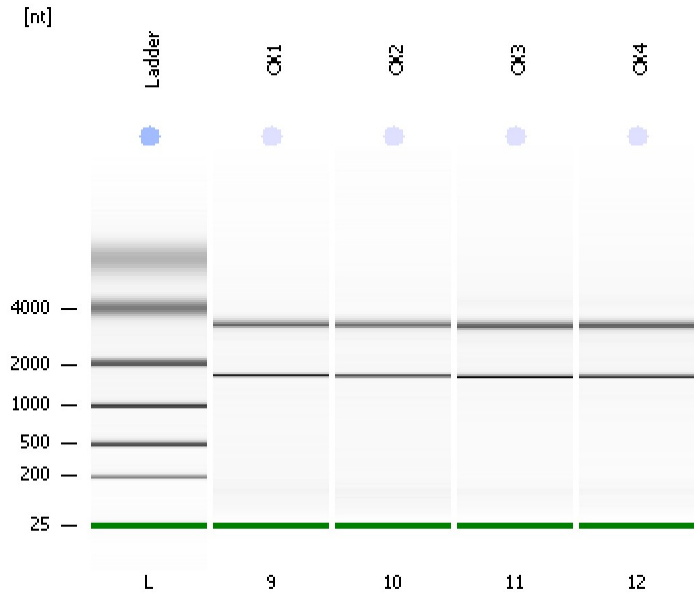


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
Modified: 5/15/2019 7:46:28 AM

Electrophoresis File Run Summary



Instrument Information:

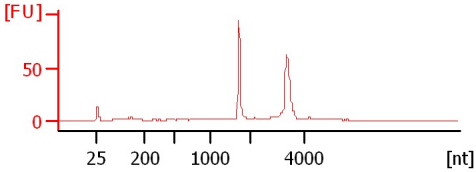
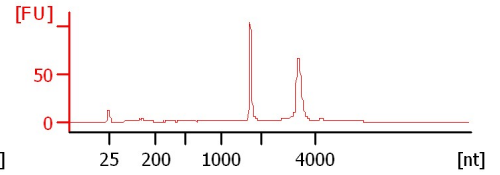
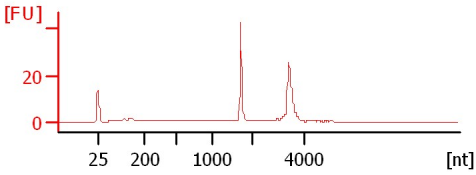
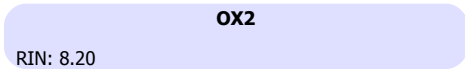
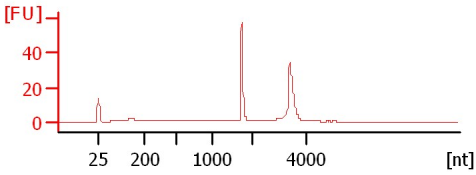
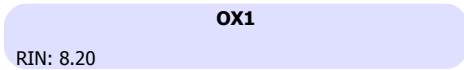
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
 Modified: 5/15/2019 7:46:28 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
OX1		✓	RIN: 8.20	
OX2		✓	RIN: 8.20	
OX3		✓	RIN: 8.60	
OX4		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
Modified: 5/15/2019 7:46:28 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

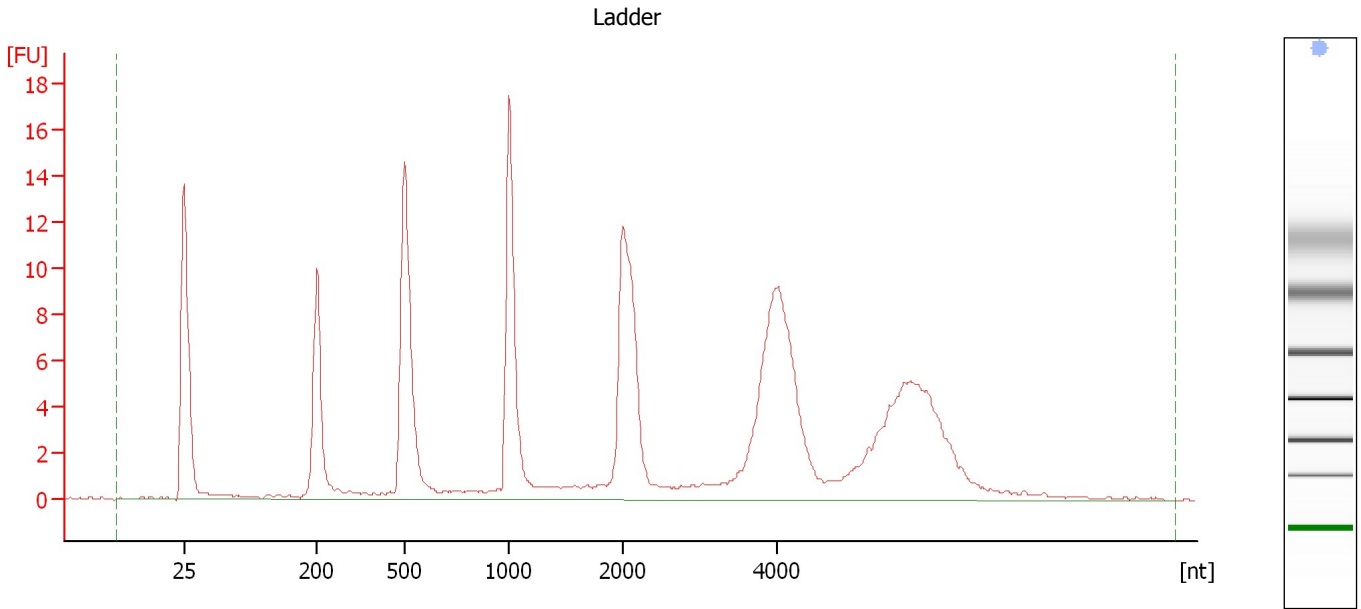
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
Modified: 5/15/2019 7:46:28 AM

Electropherogram Summary



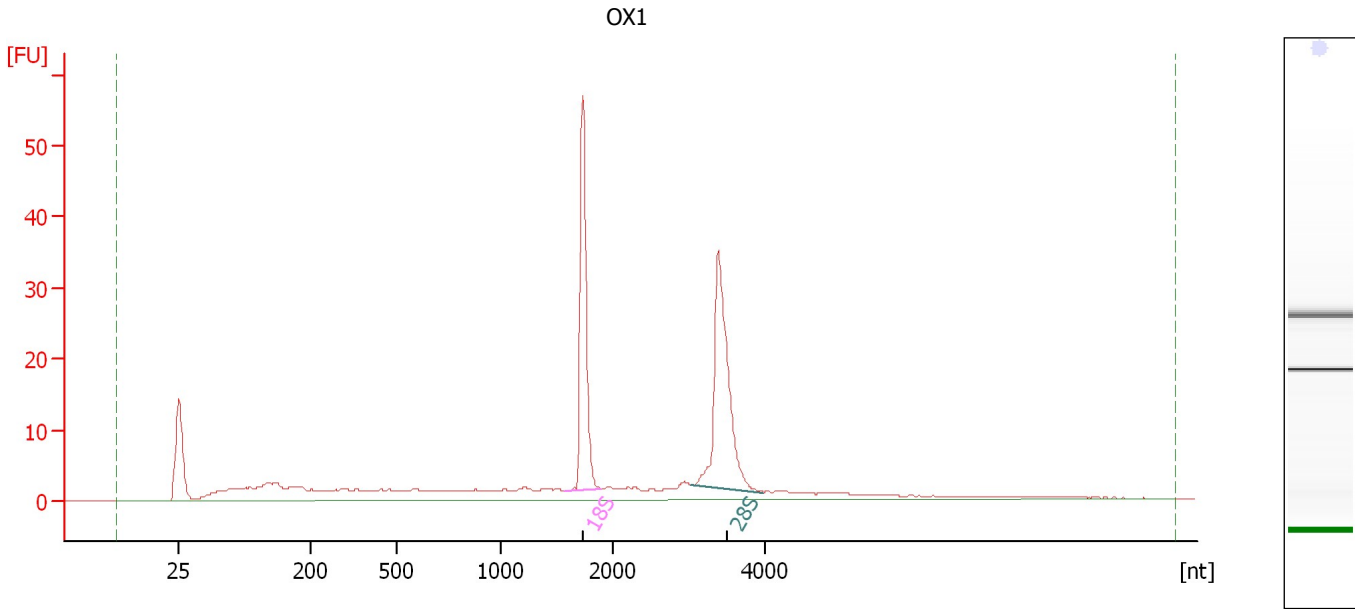
Overall Results for Ladder

RNA Area:	180.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
 Modified: 5/15/2019 7:46:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : OX1

RNA Area:	233.7	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.20

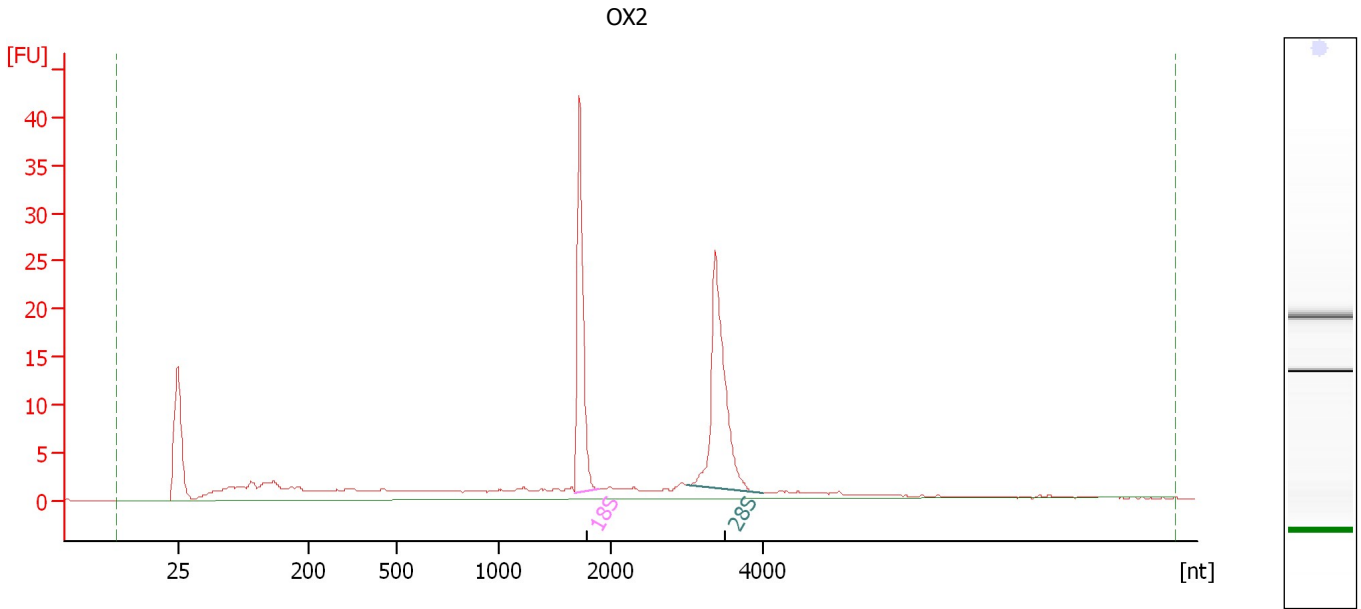
Fragment table for sample 9 : OX1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,891	41.4	17.7
28S	3,039	3,987	52.4	22.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
 Modified: 5/15/2019 7:46:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : OX2

RNA Area:	156.9	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	130 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.20

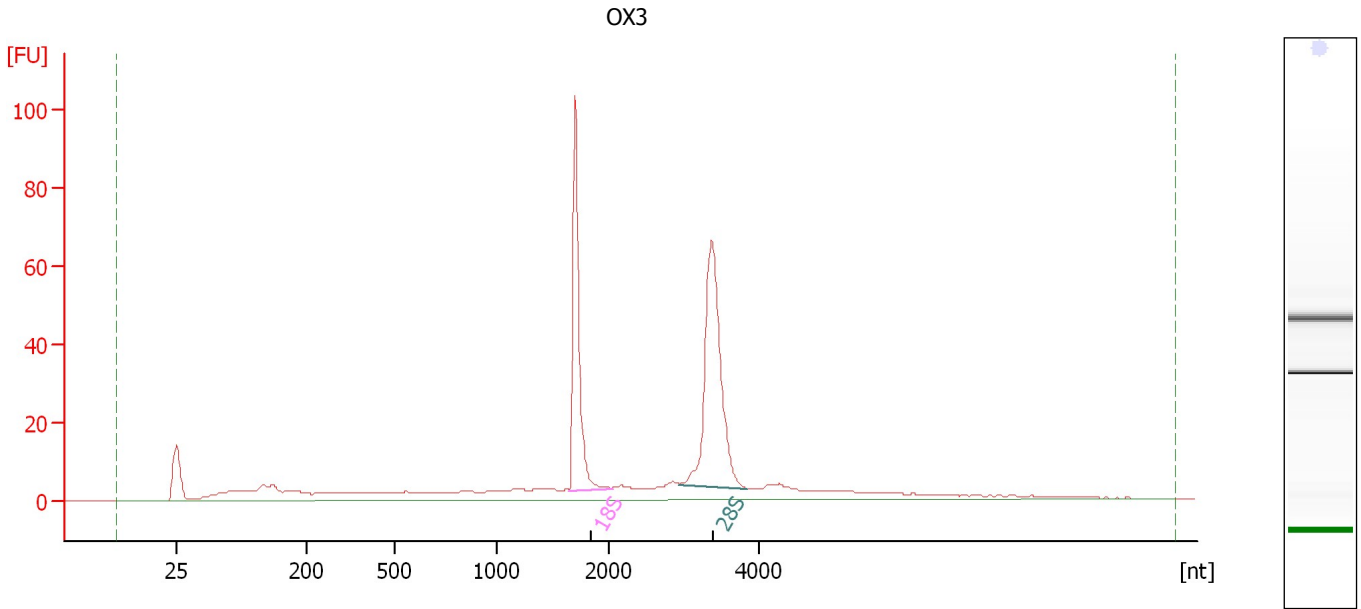
Fragment table for sample 10 : OX2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	1,890	30.5	19.5
28S	2,998	4,004	37.8	24.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
 Modified: 5/15/2019 7:46:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : OX3

RNA Area:	425.8	RNA Integrity Number (RIN):	8.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	354 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.60

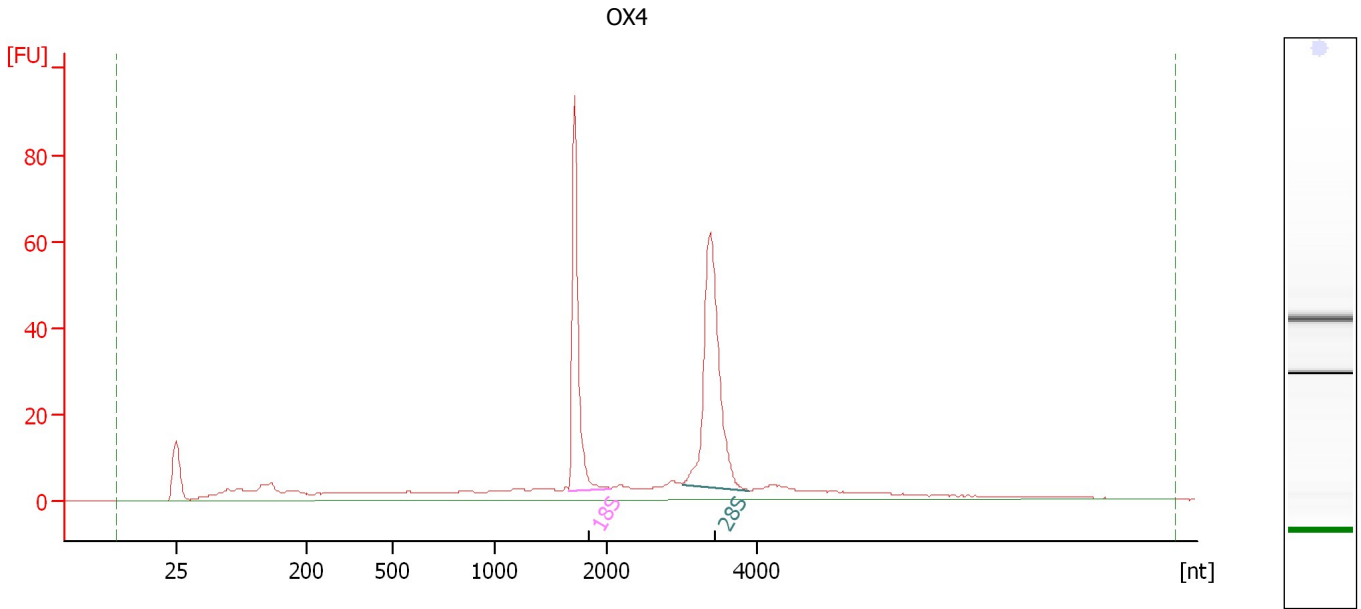
Fragment table for sample 11 : OX3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	2,047	83.2	19.5
28S	2,928	3,837	112.1	26.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
 Modified: 5/15/2019 7:46:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : OX4

RNA Area:	377.5	RNA Integrity Number (RIN):	8.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	314 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.50

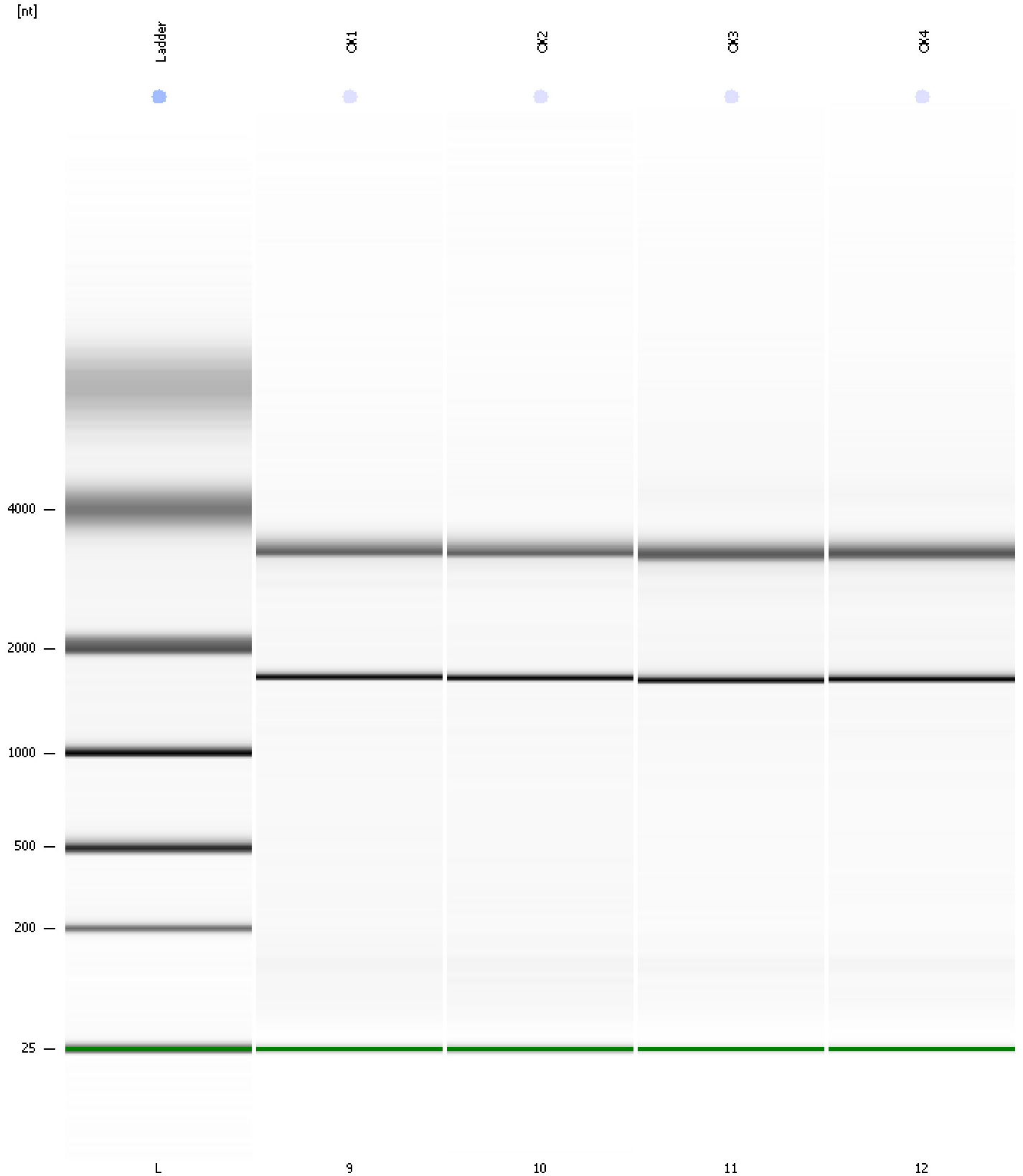
Fragment table for sample 12 : OX4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	2,046	74.6	19.8
28S	3,000	3,897	100.4	26.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad

Created: 5/15/2019 7:13:27 AM
Modified: 5/15/2019 7:46:28 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 5/15/2019 7:13:27 AM
 Data Path: C:\...\2100 expert\data\2019-05-15\2019-05-15_001_BorisReznik.xad Modified: 5/15/2019 7:46:28 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		5/15/2019 7:37:13 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\2019-05-15\2019-05-15_001.xad)		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/15/2019 7:13:32 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1