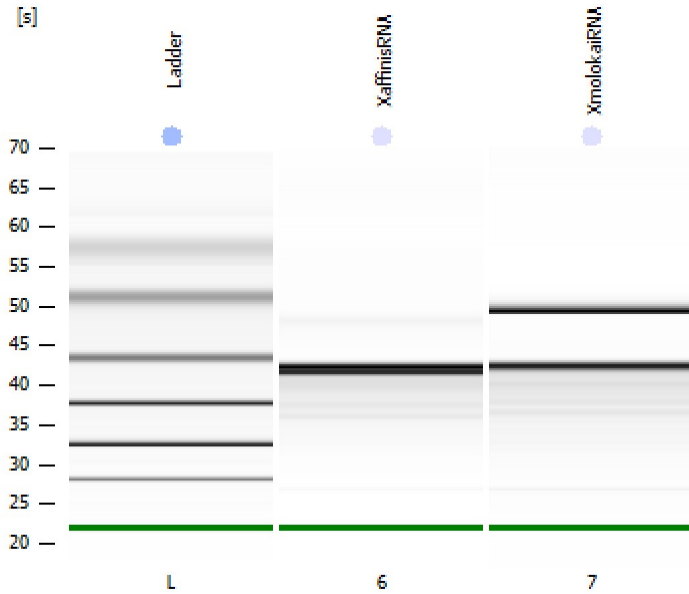


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:22 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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

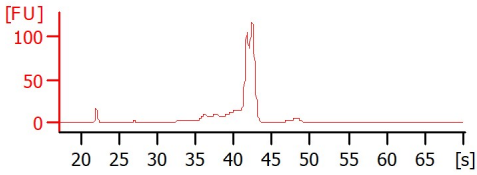
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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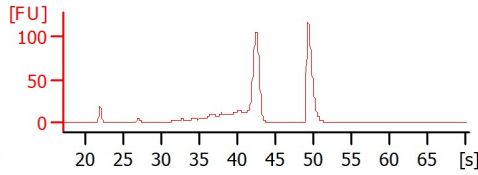
Chip Information:

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

XaffinisRNA
NovaSeq147 #1
RIN: 5.20



XmolokaiRNA
NovaSeq147 #2
RIN: 8.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
XaffinisRNA	NovaSeq147 #1	✓	RIN: 5.20	
XmolokaiRNA	NovaSeq147 #2	✓	RIN: 8.10	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:22 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

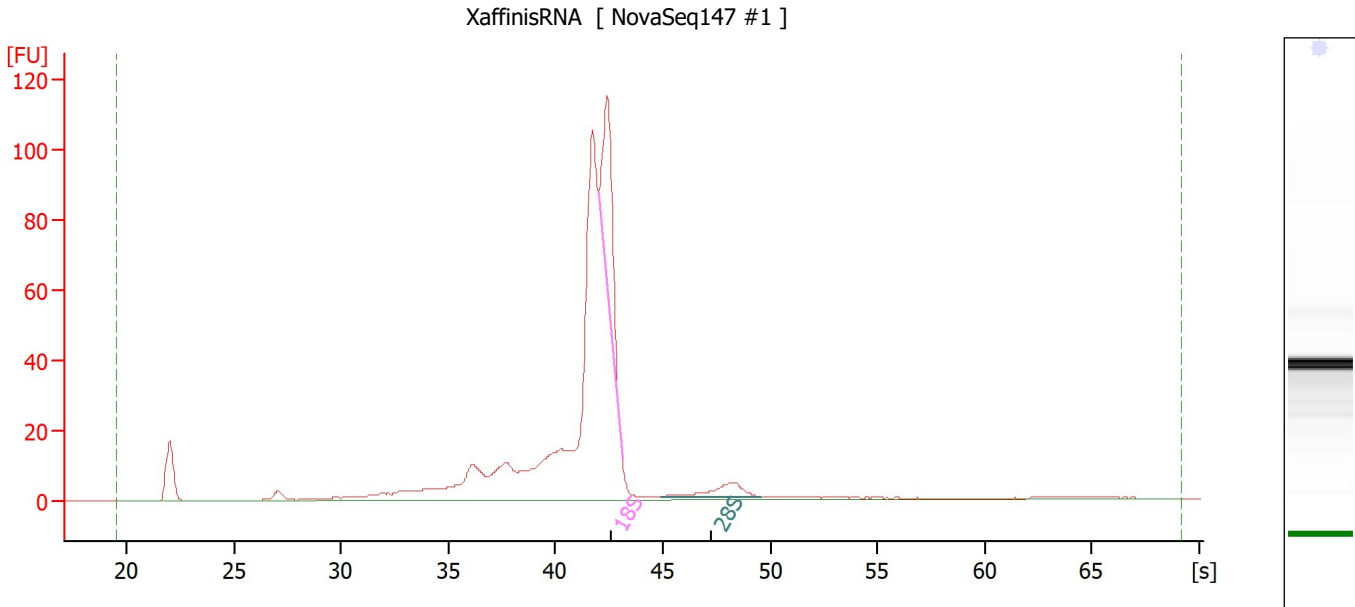
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:22 PM

Electropherogram Summary



Overall Results for sample 6 : XaffinisRNA

RNA Area:	601.0	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	3,242 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.20

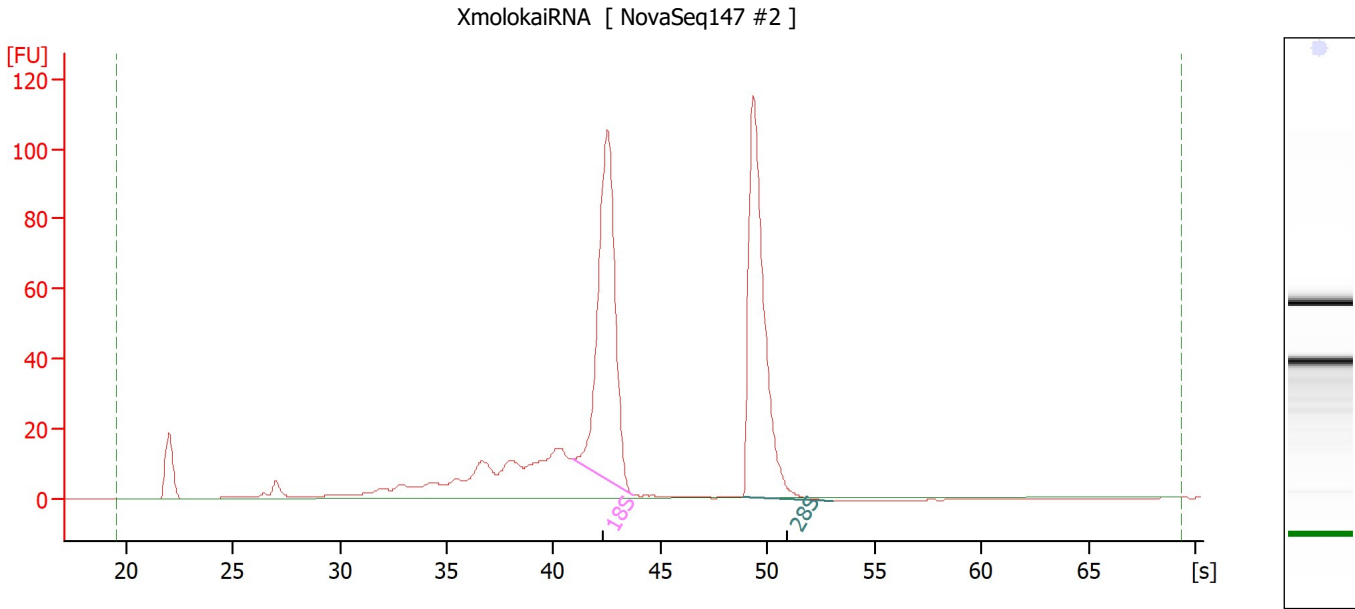
Fragment table for sample 6 : XaffinisRNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	42.05	43.10	64.8	10.8
28S	44.90	49.56	13.9	2.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : XmolokaiRNA

RNA Area:	657.4	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,546 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.10

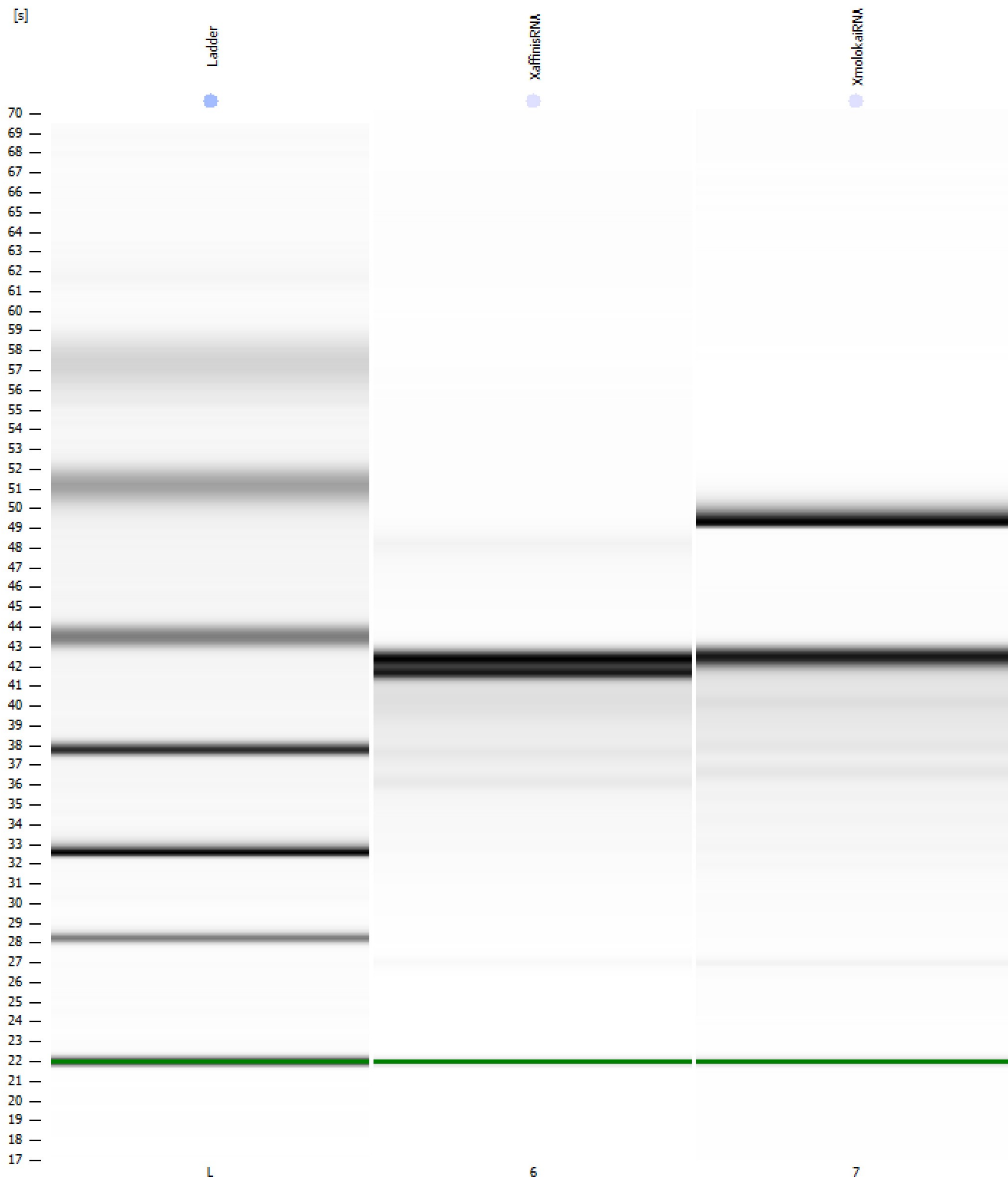
Fragment table for sample 7 : XmolokaiRNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.89	43.70	214.7	32.7
28S	48.87	53.09	193.2	29.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:22 PM

Gel Image

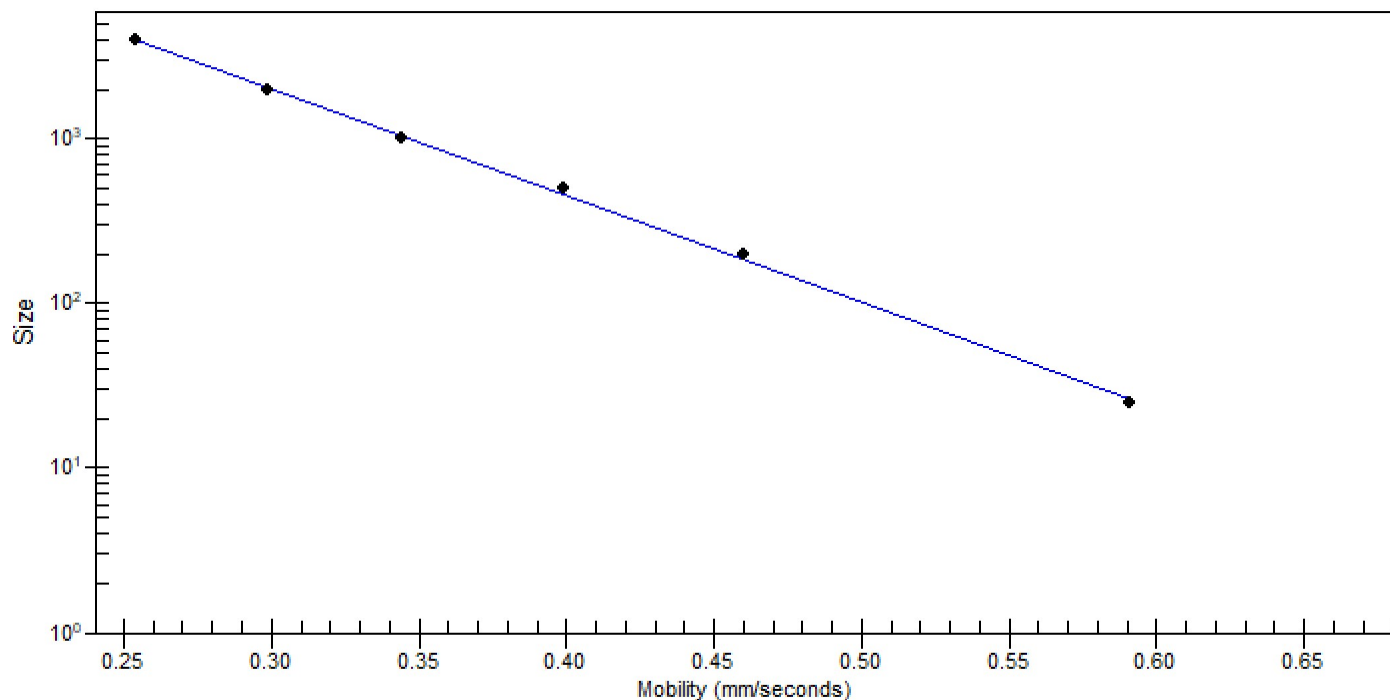


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:22 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq147_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:22 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		12/20/2019 12:41:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-20\Bioanalyze_r1_Eukaryote Total RNA Pico_2019-12-20_001.xad)		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/20/2019 12:18:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB