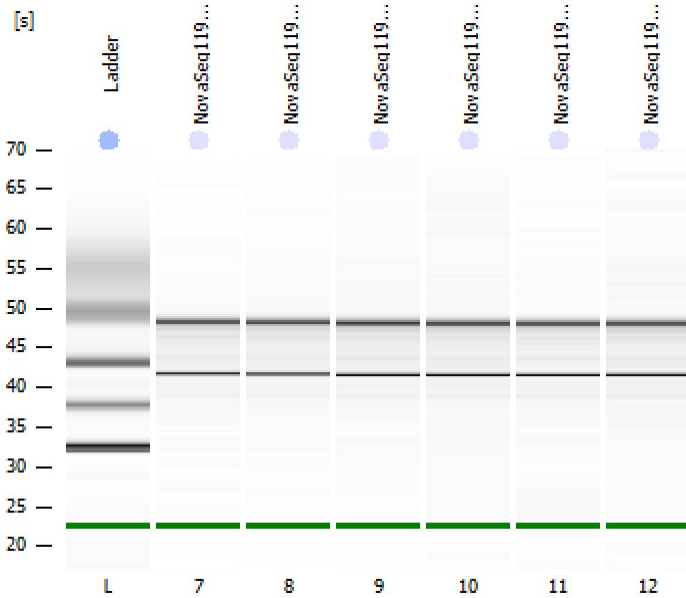


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
Modified: 12/18/2019 3:52:29 PM

Electrophoresis File Run Summary



Instrument Information:

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

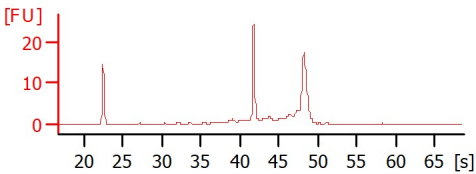
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

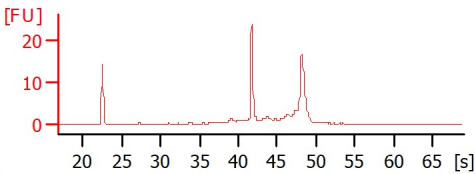
Chip Information:

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

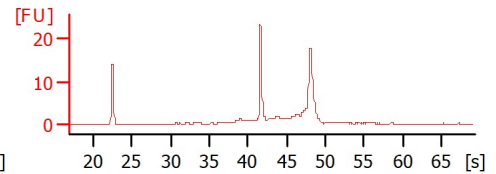
NovaSeq119-1 DNase RNA
RIN: 8.70



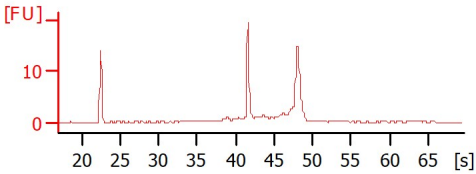
NovaSeq119-2 DNase RNA
RIN: 8.70



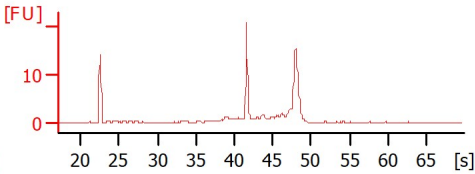
NovaSeq119-3 DNase RNA
RIN: 8.90



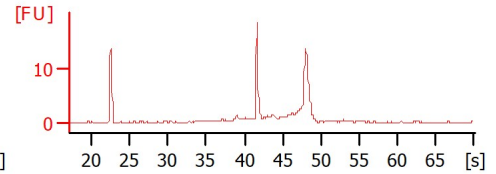
NovaSeq119-4 DNase RNA
RIN: 8.60



NovaSeq119-5 DNase RNA
RIN: 8.70



NovaSeq119-6 DNase RNA
RIN: 8.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq119-1 DNase RNA		✓	RIN: 8.70	
NovaSeq119-2 DNase RNA		✓	RIN: 8.70	
NovaSeq119-3 DNase RNA		✓	RIN: 8.90	
NovaSeq119-4 DNase RNA		✓	RIN: 8.60	
NovaSeq119-5 DNase RNA		✓	RIN: 8.70	
NovaSeq119-6 DNase RNA		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
Modified: 12/18/2019 3:52:29 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

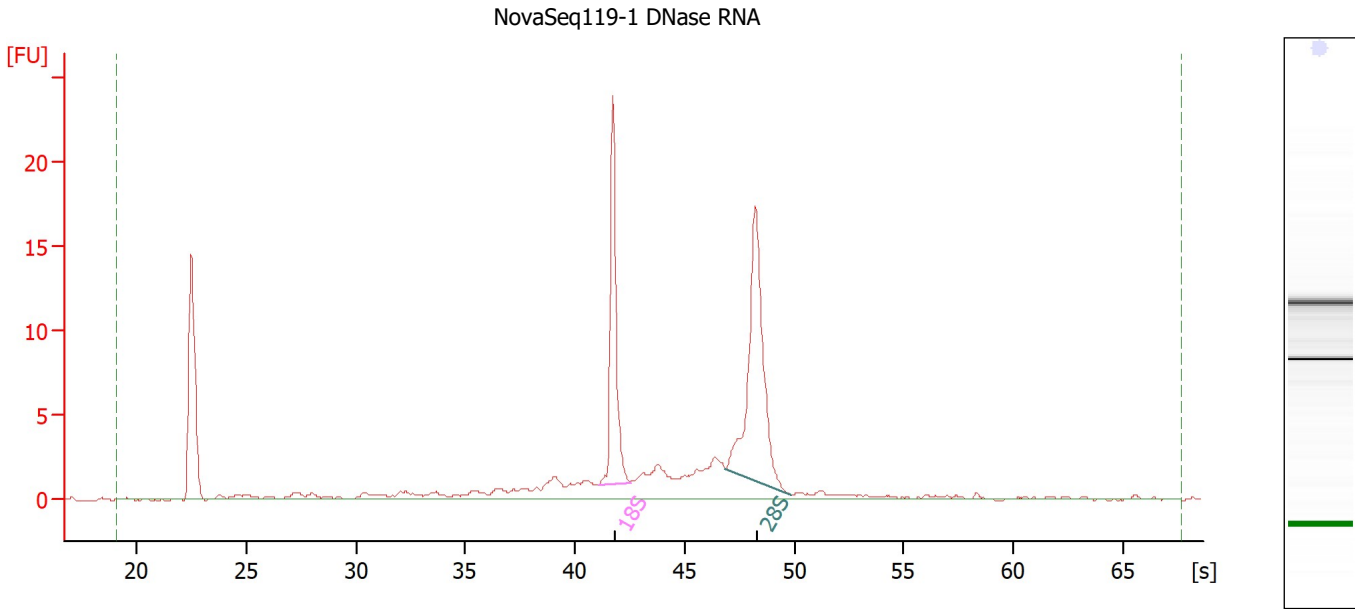
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary



Overall Results for sample 7 : NovaSeq119-1 DNase RNA

RNA Area:	89.2	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	66 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.70

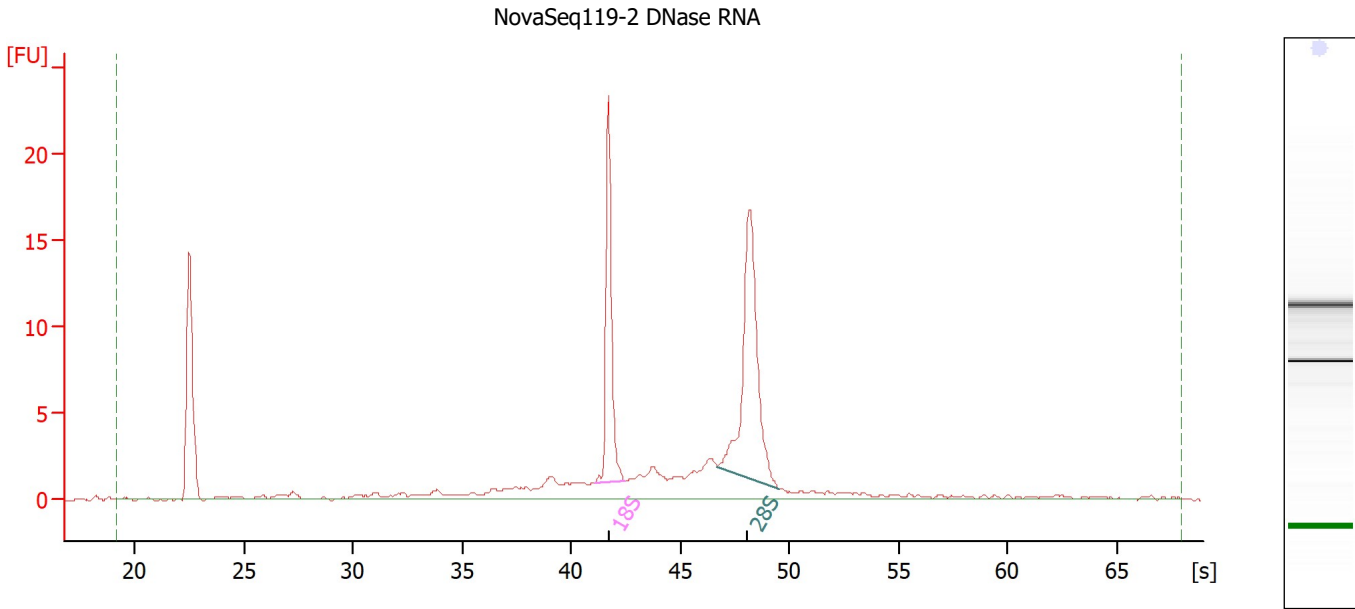
Fragment table for sample 7 : NovaSeq119-1 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.13	42.55	17.4	19.5
28S	46.86	49.90	25.9	29.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq119-2 DNase RNA

RNA Area:	87.2	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	64 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.70

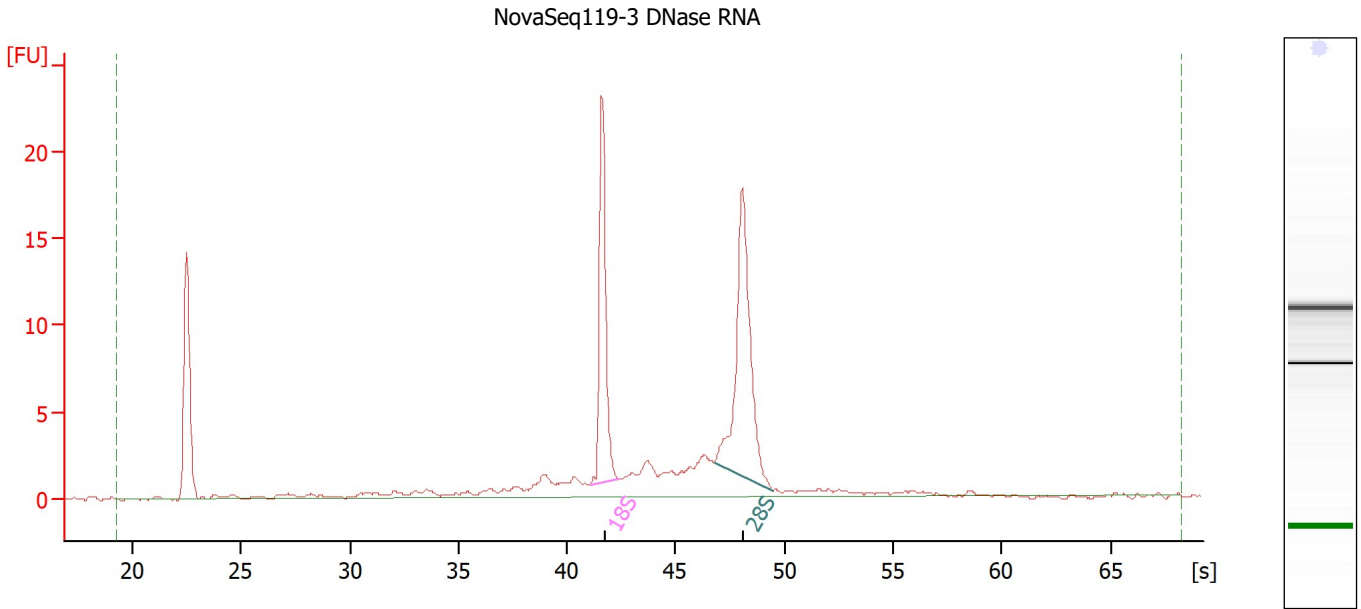
Fragment table for sample 8 : NovaSeq119-2 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.06	42.49	16.8	19.2
28S	46.72	49.53	24.5	28.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NovaSeq119-3 DNase RNA

RNA Area:	89.2	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	66 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

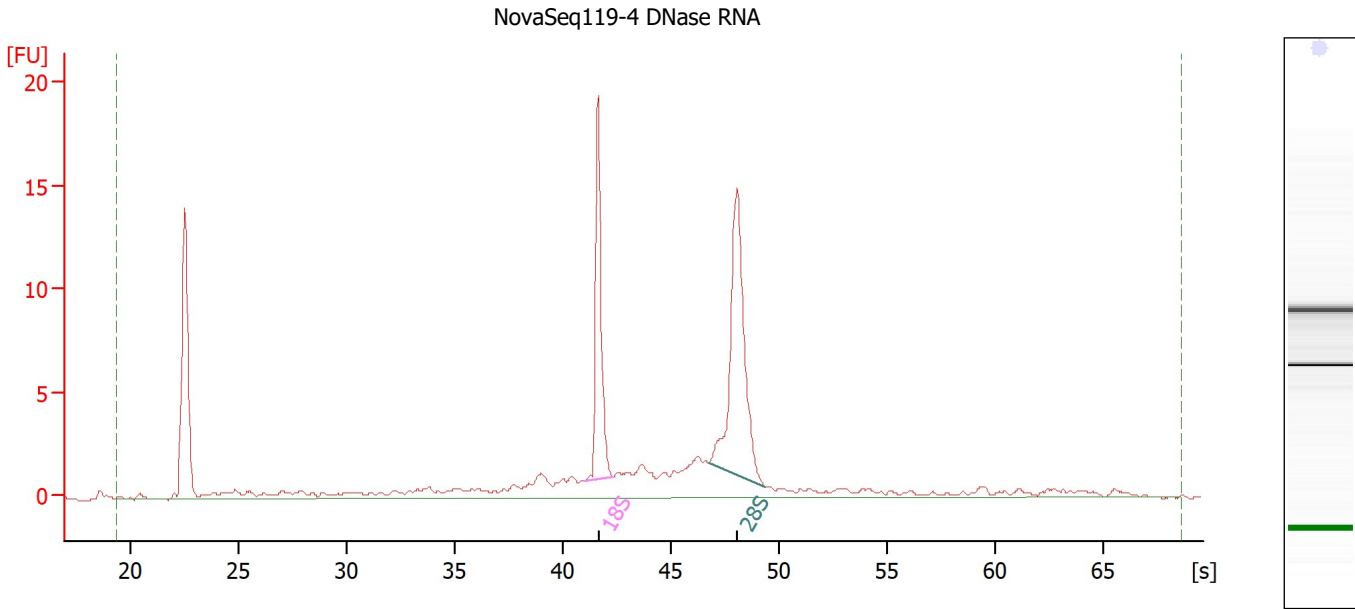
Fragment table for sample 9 : NovaSeq119-3 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.04	42.38	17.1	19.1
28S	46.78	49.45	25.7	28.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NovaSeq119-4 DNase RNA

RNA Area: 81.9 RNA Integrity Number (RIN): 8.6 (B.02.10)
RNA Concentration: 60 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.60

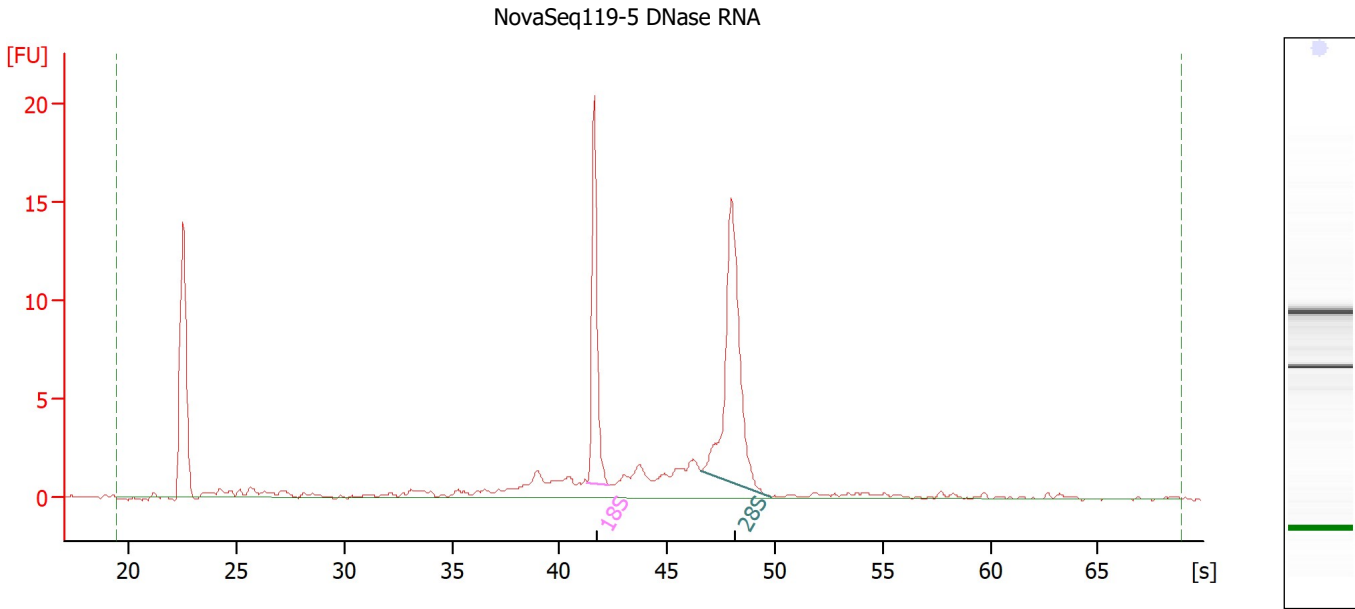
Fragment table for sample 10 : NovaSeq119-4 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.03	42.32	13.7	16.7
28S	46.69	49.32	21.1	25.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq119-5 DNase RNA

RNA Area:	75.0	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.70

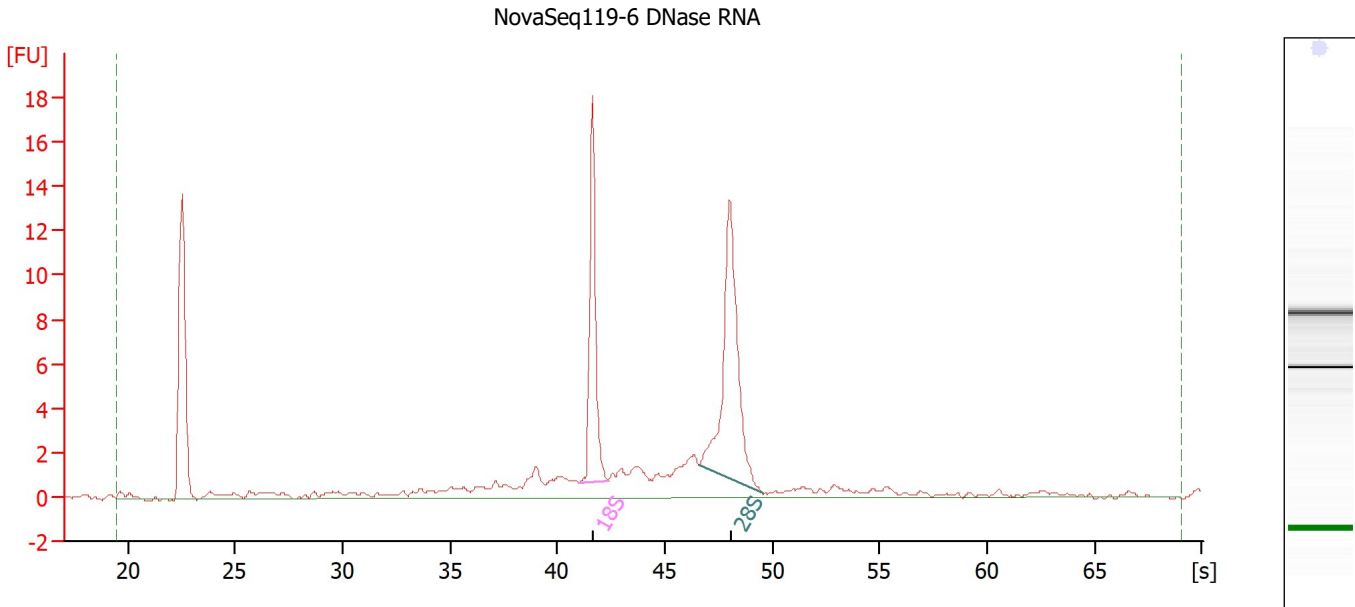
Fragment table for sample 11 : NovaSeq119-5 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.31	42.31	13.9	18.5
28S	46.60	49.79	22.8	30.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : NovaSeq119-6 DNase RNA

RNA Area:	76.6	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.50

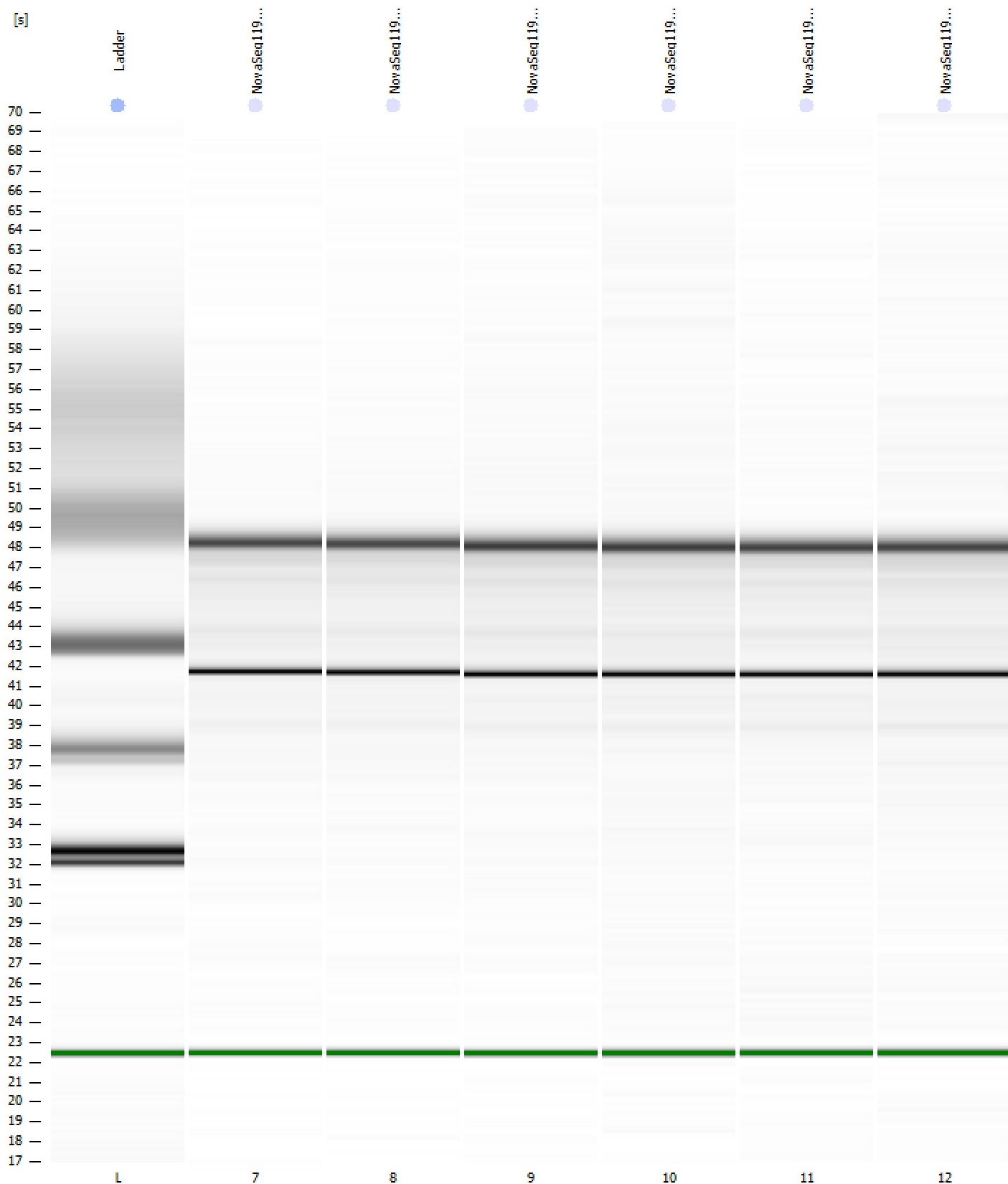
Fragment table for sample 12 : NovaSeq119-6 DNase RNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.00	42.35	12.9	16.9
28S	46.60	49.55	20.3	26.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
Modified: 12/18/2019 3:52:29 PM

Gel Image

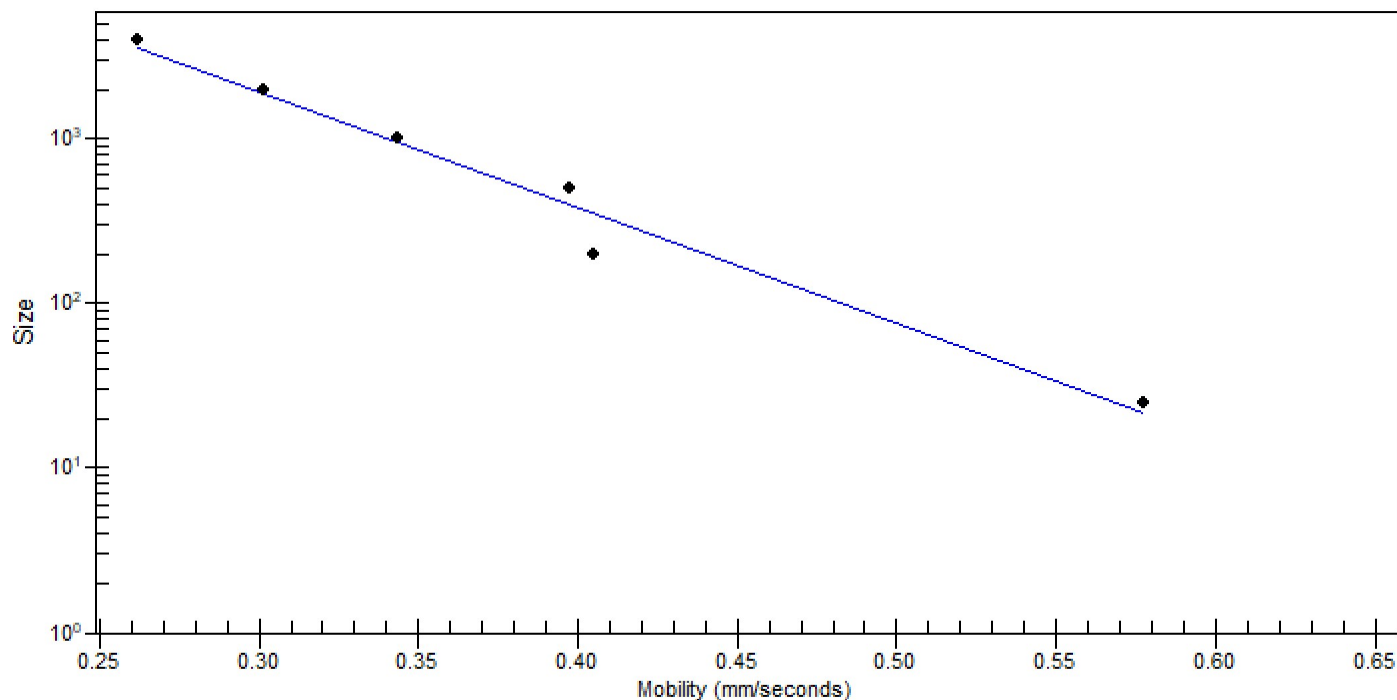


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
Modified: 12/18/2019 3:52:29 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2019-12-18\NovaSeq119_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM
 Modified: 12/18/2019 3:52:29 PM

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		12/18/2019 3:40:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-18\Bioanalyze_r_Eukaryote Total RNA Nano_2019-12-18_001.xad)		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB