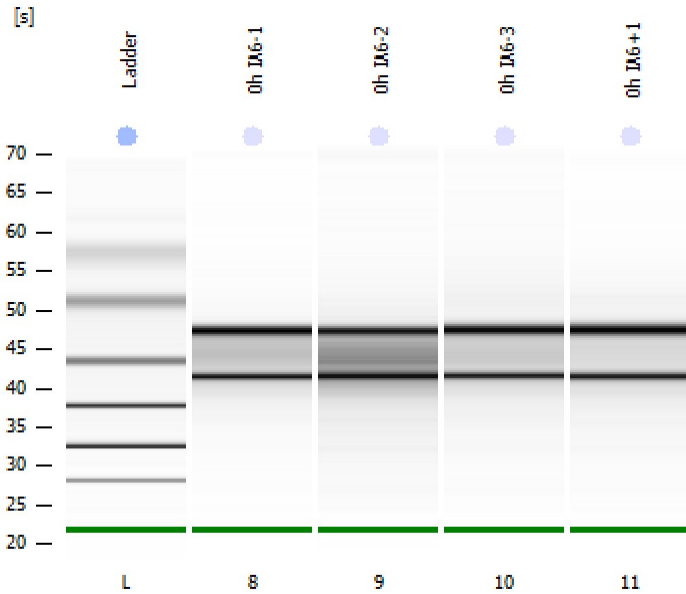


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:39 PM

Electrophoresis File Run Summary



Instrument Information:

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

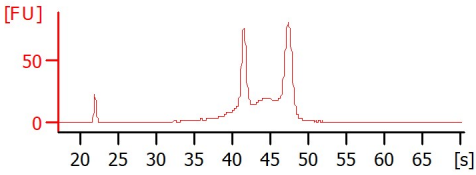
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

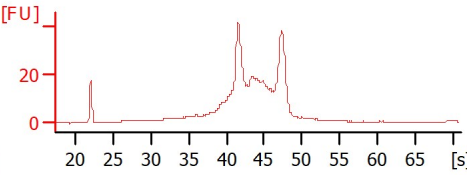
Chip Information:

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

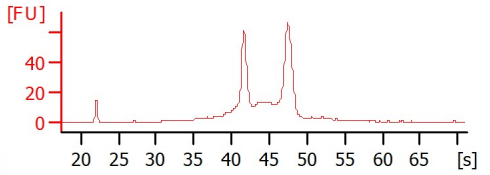
0h IA6-1
NovaSeq 144 #1
RIN: 9.20



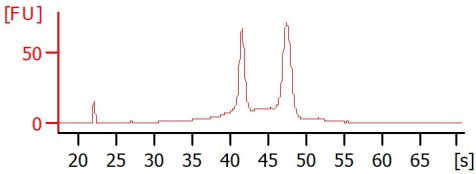
0h IA6-2
NovaSeq 144 #2
RIN: 7.70



0h IA6-3
NovaSeq 144 #3
RIN: 9



0h IA6+1
NovaSeq 144 #4
RIN: 9.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0h IA6-1	NovaSeq 144 #1	✓	RIN: 9.20	
0h IA6-2	NovaSeq 144 #2	✓	RIN: 7.70	
0h IA6-3	NovaSeq 144 #3	✓	RIN:9	
0h IA6+1	NovaSeq 144 #4	✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:39 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

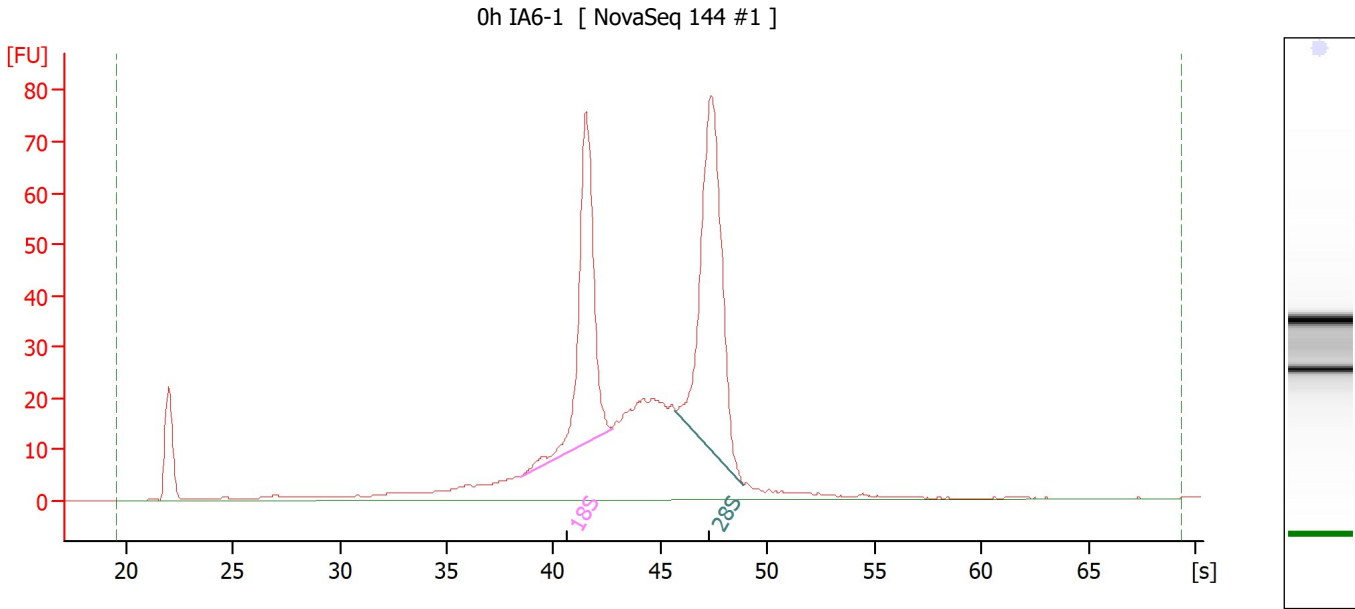
Ladder

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\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 PM

Electropherogram Summary



Overall Results for sample 8 : 0h IA6-1

RNA Area:	652.1	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	3,518 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.20

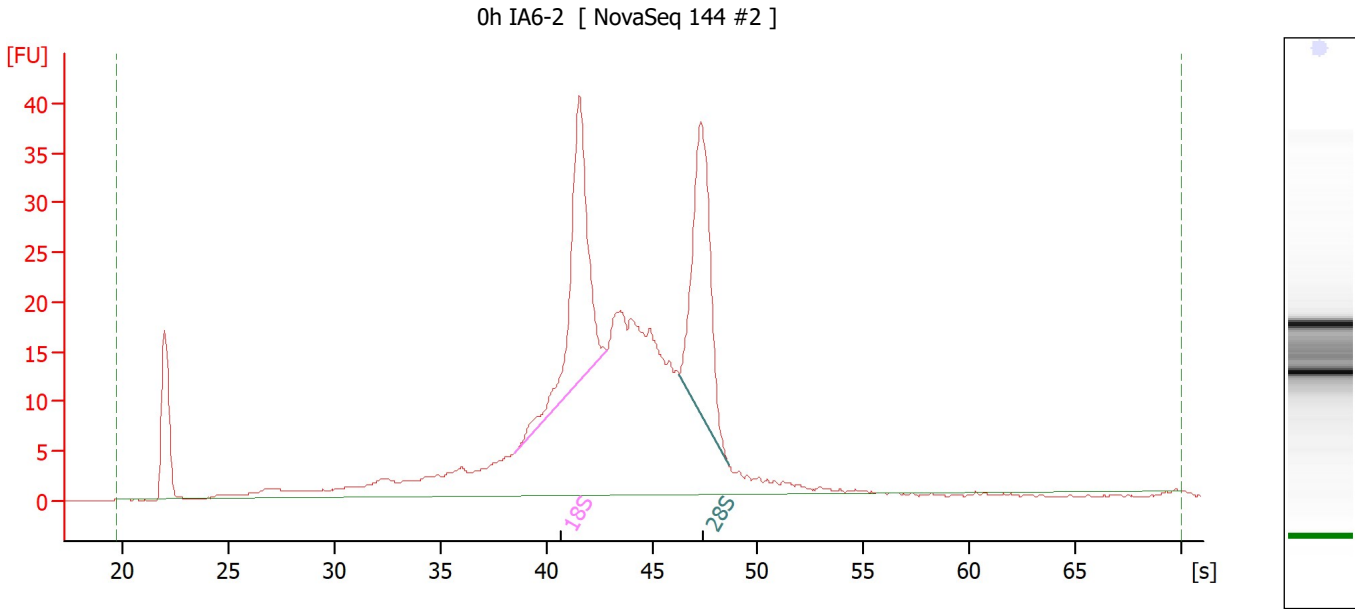
Fragment table for sample 8 : 0h IA6-1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.47	42.74	122.7	18.8
28S	45.71	48.87	163.7	25.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 0h IA6-2

RNA Area:	460.8	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	2,486 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.70

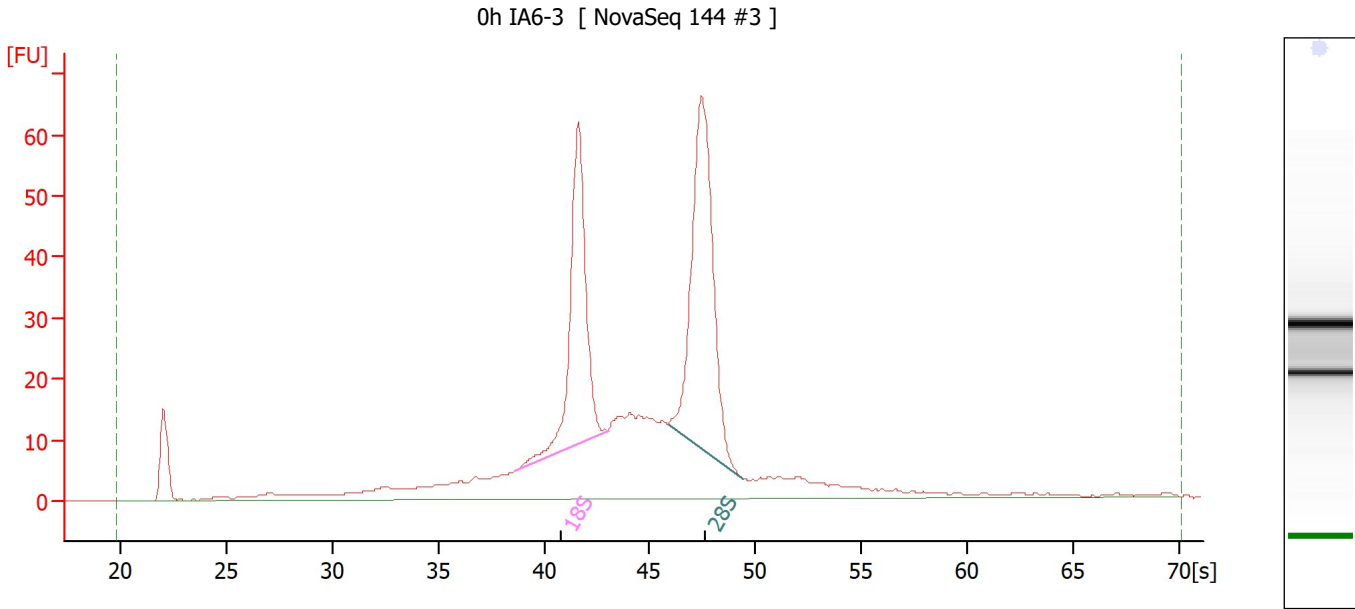
Fragment table for sample 9 : 0h IA6-2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.53	42.88	63.8	13.8
28S	46.28	48.61	60.5	13.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 0h IA6-3

RNA Area:	590.9	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	3,187 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

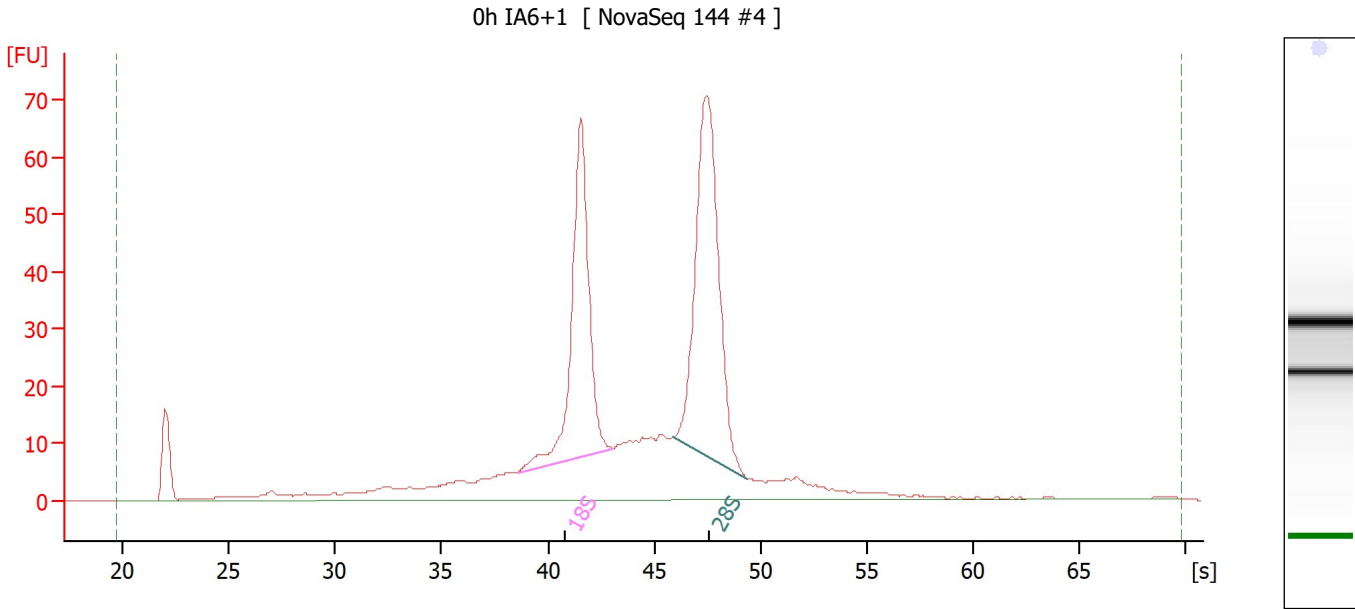
Fragment table for sample 10 : 0h IA6-3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.67	43.03	105.9	17.9
28S	45.88	49.39	141.2	23.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 0h IA6+1

RNA Area:	608.0	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	3,280 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.20

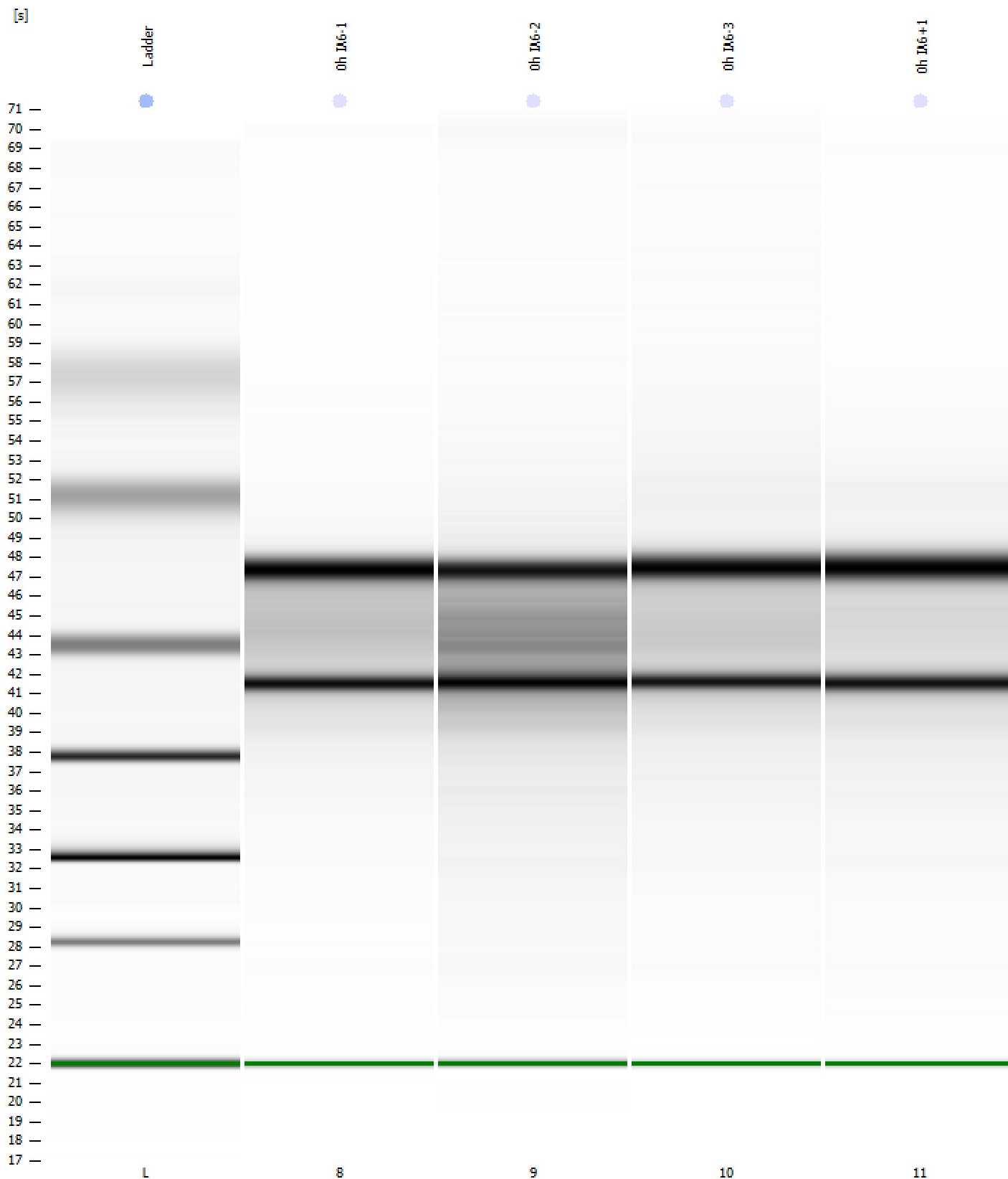
Fragment table for sample 11 : 0h IA6+1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.59	43.09	130.8	21.5
28S	45.92	49.36	167.6	27.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:39 PM

Gel Image

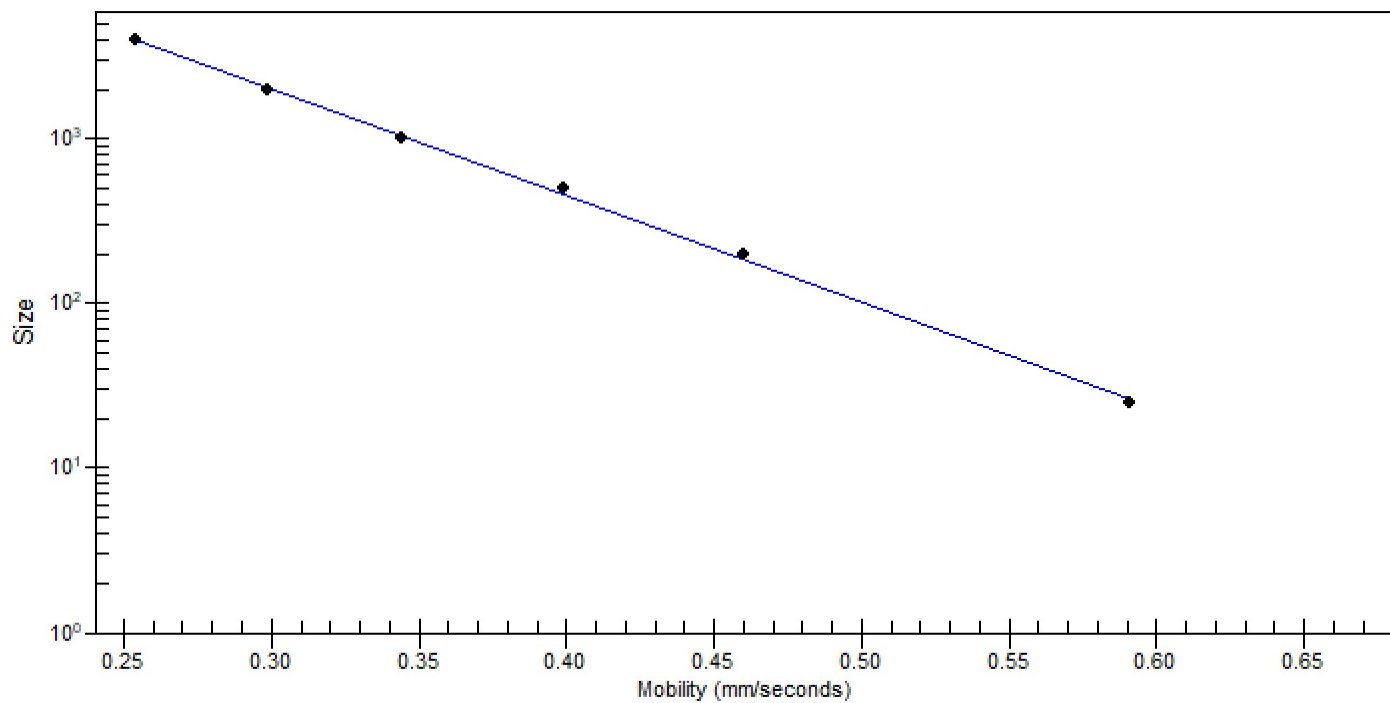


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
Modified: 12/20/2019 12:49:39 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-20\NovaSeq144_RNAQC.xad

Created: 12/20/2019 12:18:16 PM
 Modified: 12/20/2019 12:49:39 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