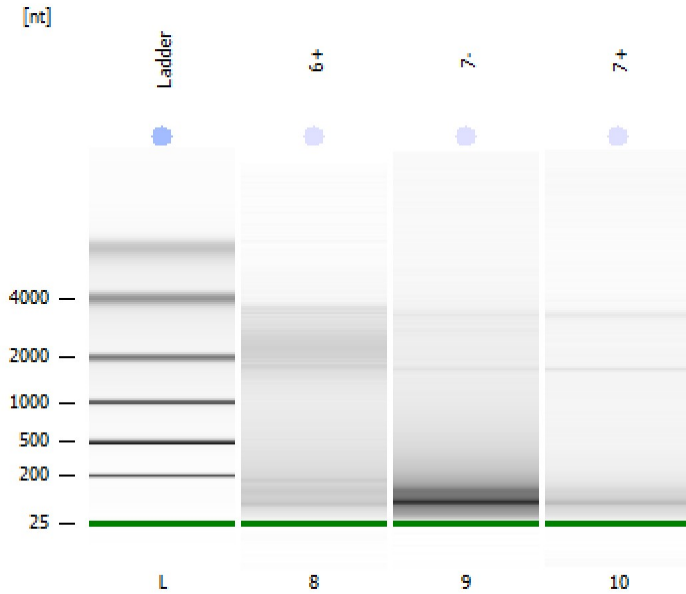


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 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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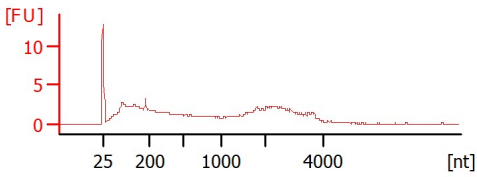
Chip Information:

Chip Lot #:

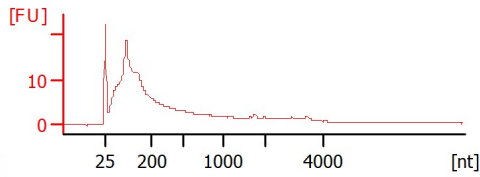
Reagent Kit Lot #:

Chip Comments:

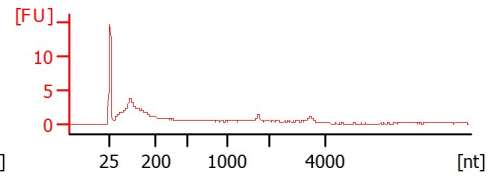
HiSeq2076 #12 **6+**
RIN: 2.20



HiSeq2076#13 **7-**
RIN: 2.50



HiSeq2076 #14 **7+**
RIN: 2.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:26:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
6+	HiSeq2076 #12	✓	RIN: 2.20	
7-	HiSeq2076#13	✓	RIN: 2.50	
7+	HiSeq2076 #14	✓	RIN: 2.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 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

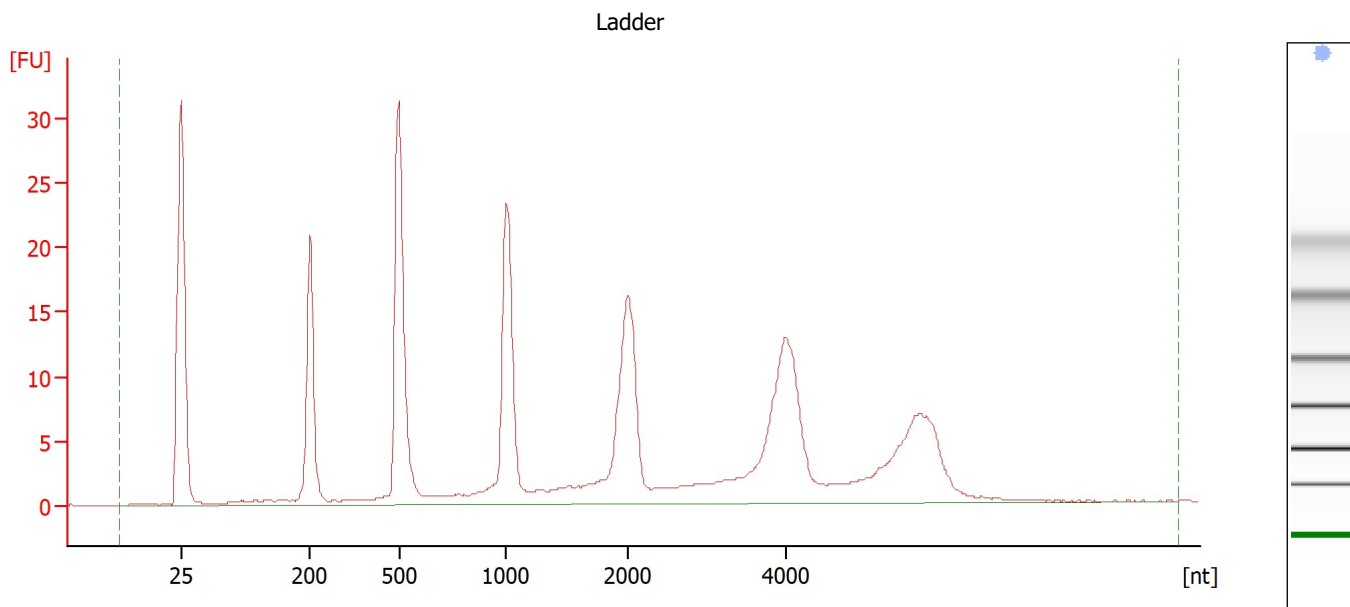
Ladder

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\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 PM

Electropherogram Summary



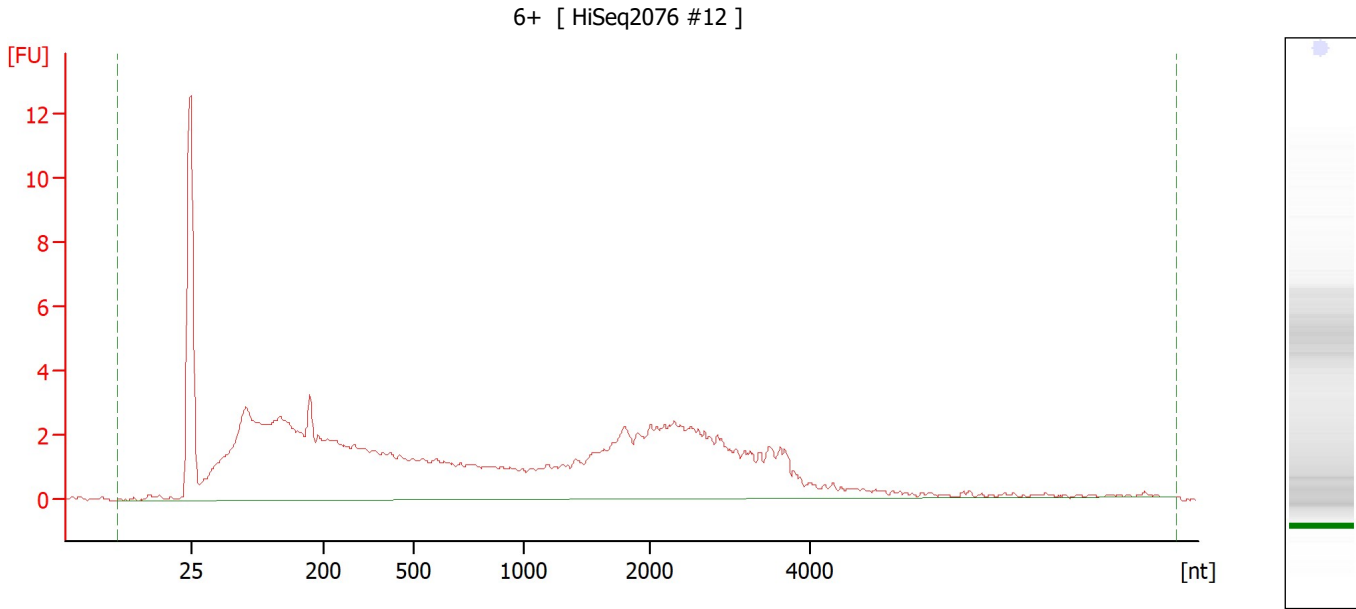
Overall Results for Ladder

RNA Area:	263.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 PM

Electropherogram Summary Continued ...



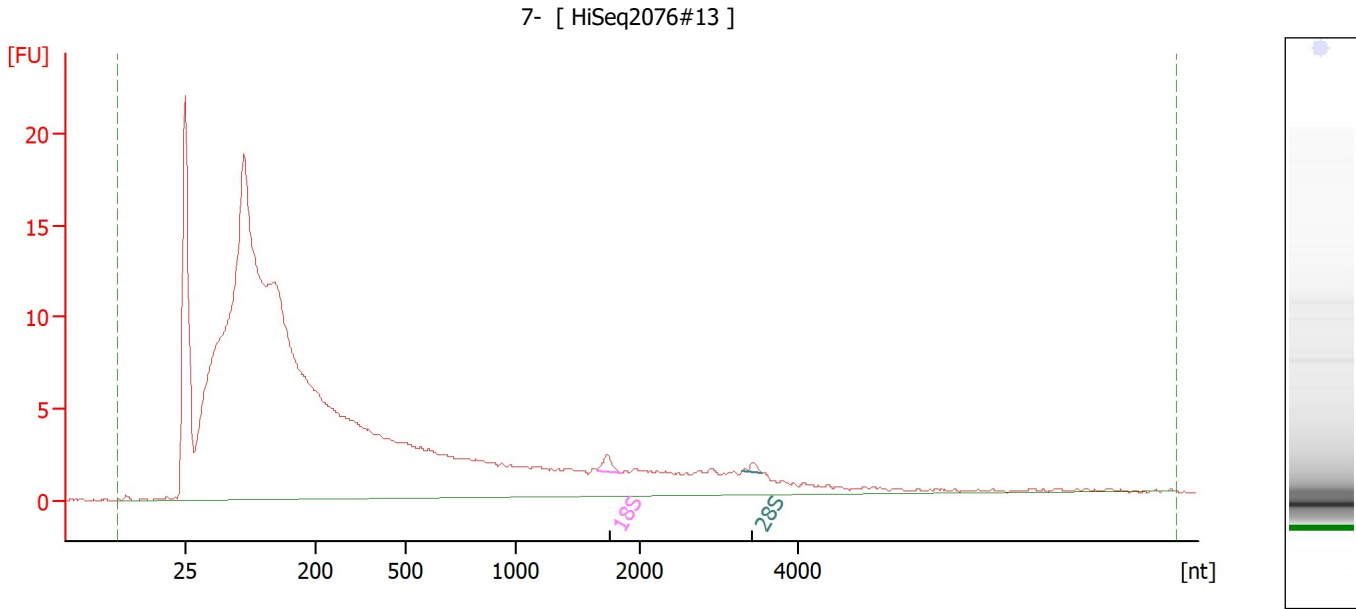
Overall Results for sample 8 : 6+

RNA Area:	129.7	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	492 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 7-

RNA Area: 347.6 RNA Integrity Number (RIN): 2.5 (B.02.10)
RNA Concentration: 1,317 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.50

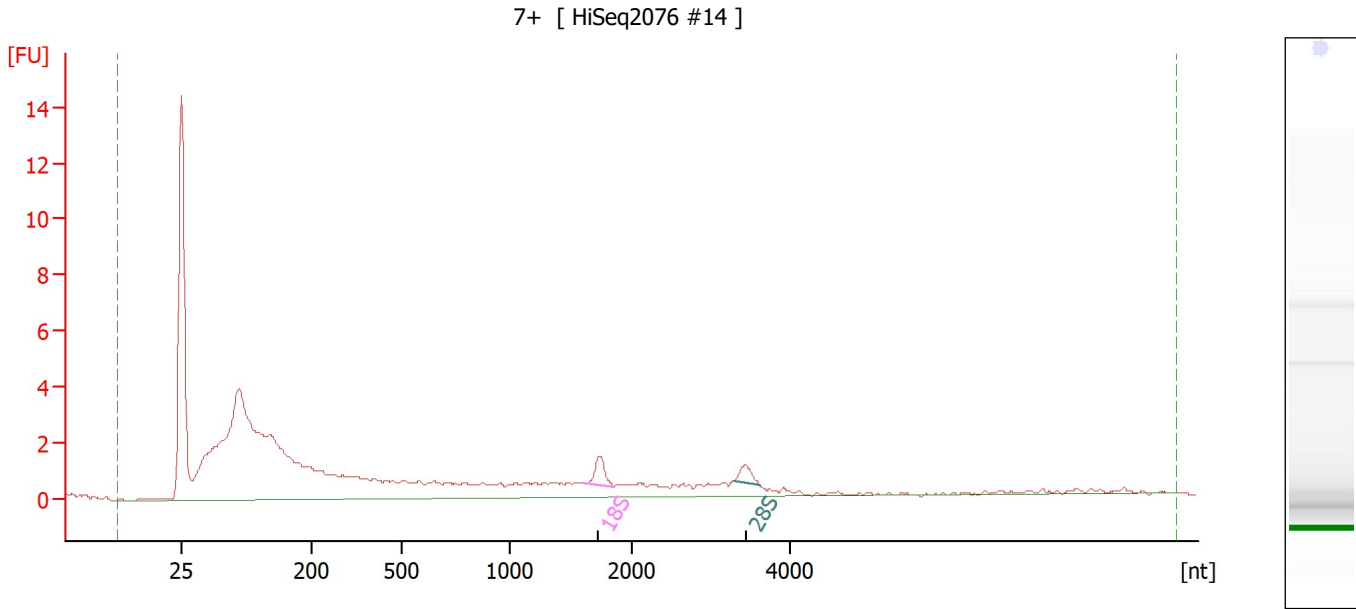
Fragment table for sample 9 : 7-

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,856	1.1	0.3
28S	3,293	3,535	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 7+

RNA Area:	78.2	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	296 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 2.70

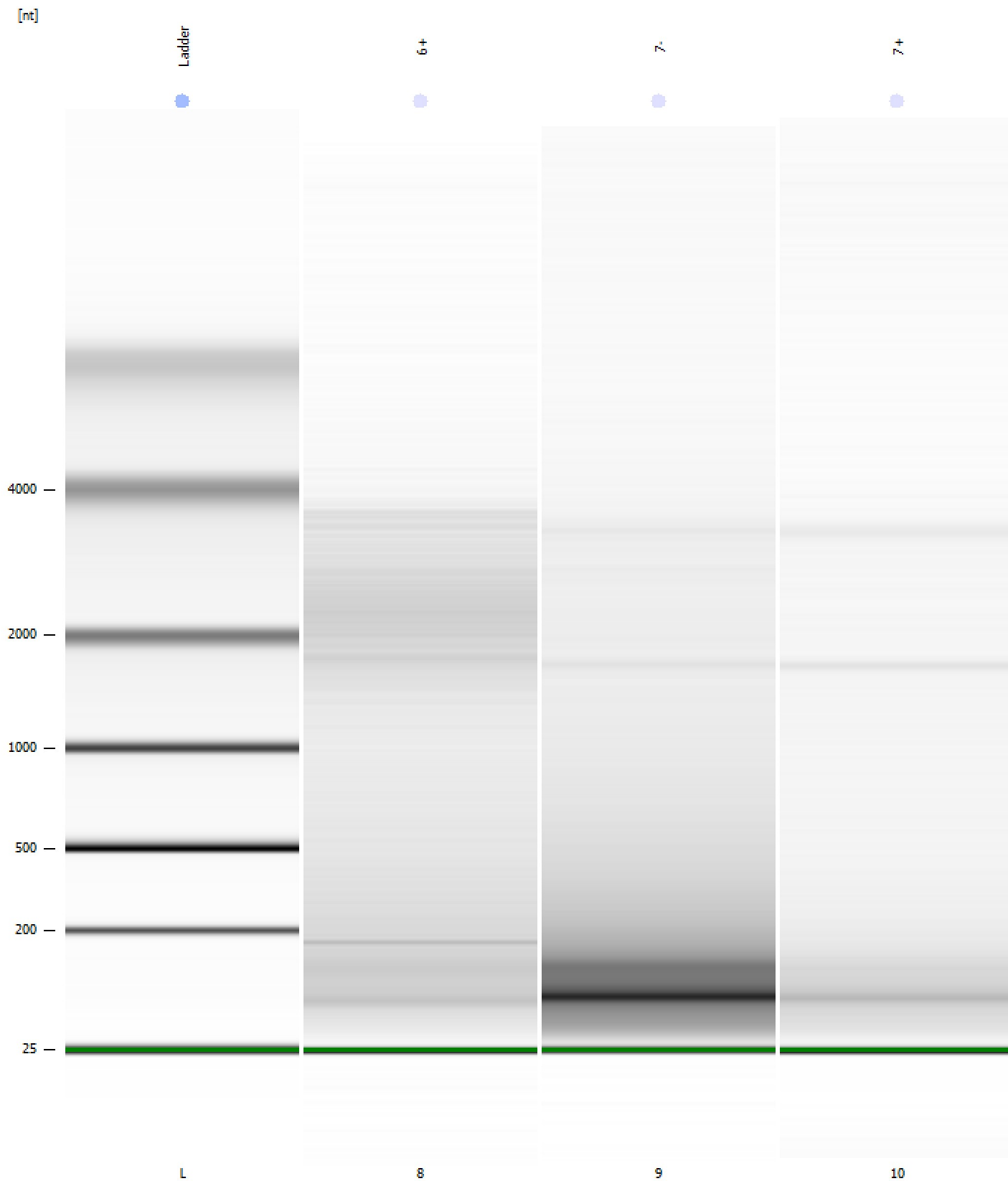
Fragment table for sample 10 : 7+

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,844	1.2	1.6
28S	3,272	3,597	0.8	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:26:15 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\HiSeq2076_RNAQC2.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:26:15 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		1/30/2020 3:21:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-30\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-01-30_002.xad)		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/30/2020 2:58:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB