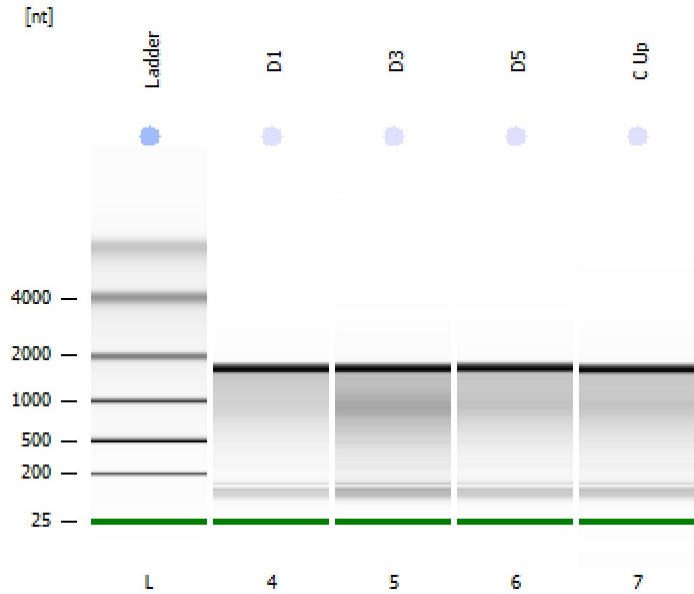


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:24:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

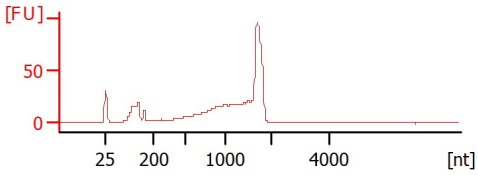
Assay Information:

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.

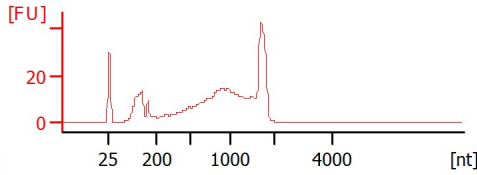
Chip Information:

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

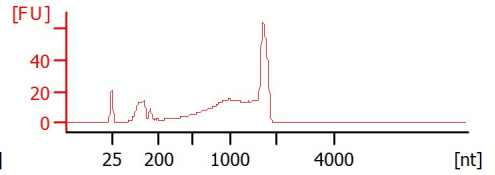
D1
NovaSeq173 #1
RIN: 6.30



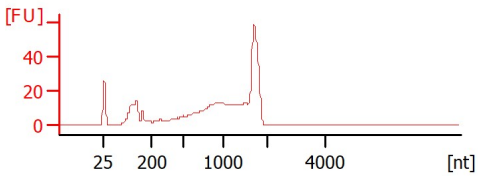
D3
NovaSeq173 #2
RIN: 5.90



D5
NovaSeq173 #3
RIN: 6



C Up
NovaSeq173 #4
RIN: 6.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
D1	NovaSeq173 #1	✓	RIN: 6.30	
D3	NovaSeq173 #2	✓	RIN: 5.90	
D5	NovaSeq173 #3	✓	RIN:6	
C Up	NovaSeq173 #4	✓	RIN: 6.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:24:49 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

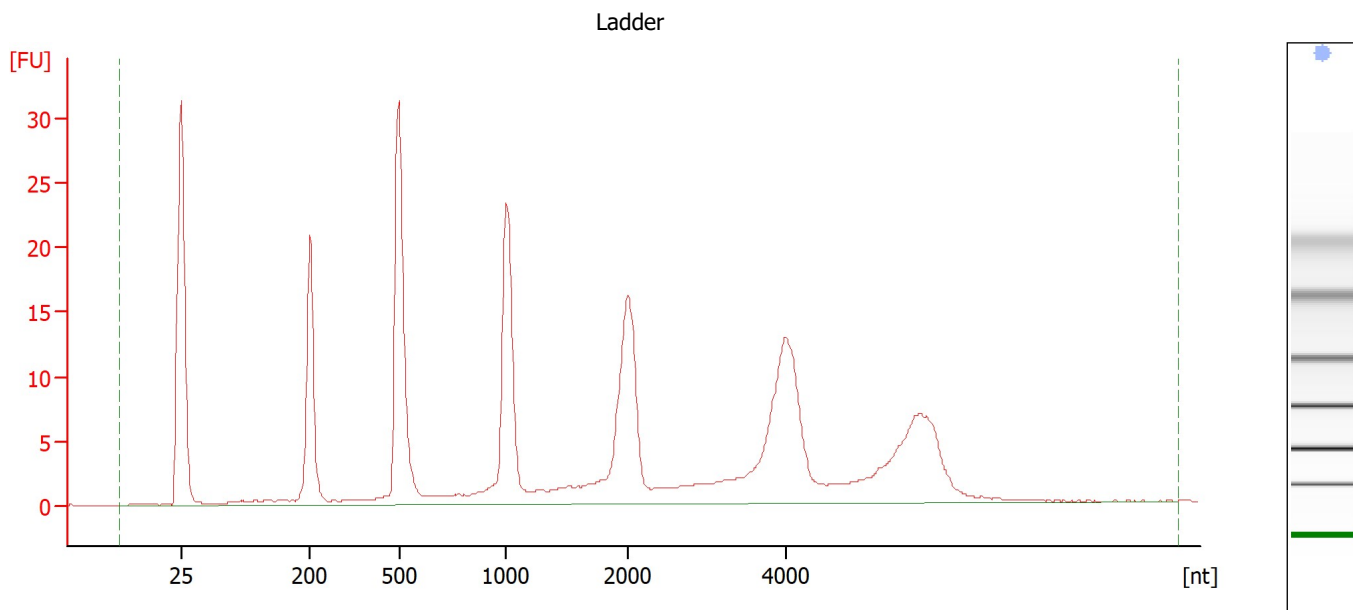
Ladder

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\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:24:49 PM

Electropherogram Summary



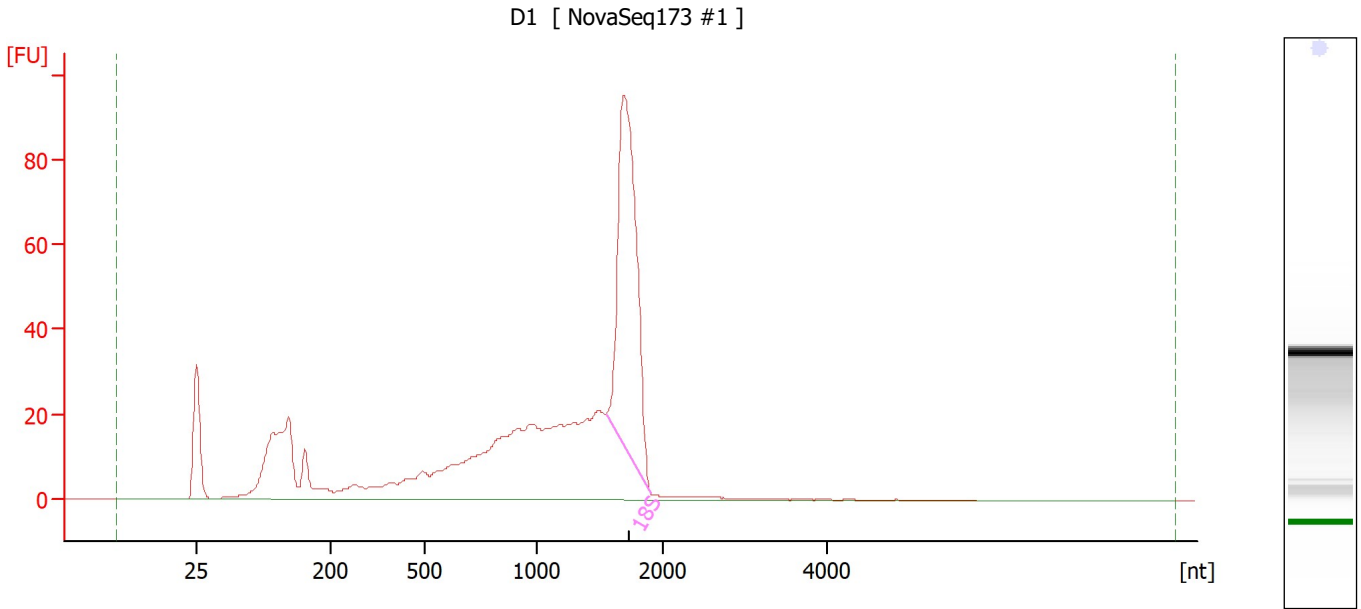
Overall Results for Ladder

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\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D1

RNA Area:	728.1	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,759 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

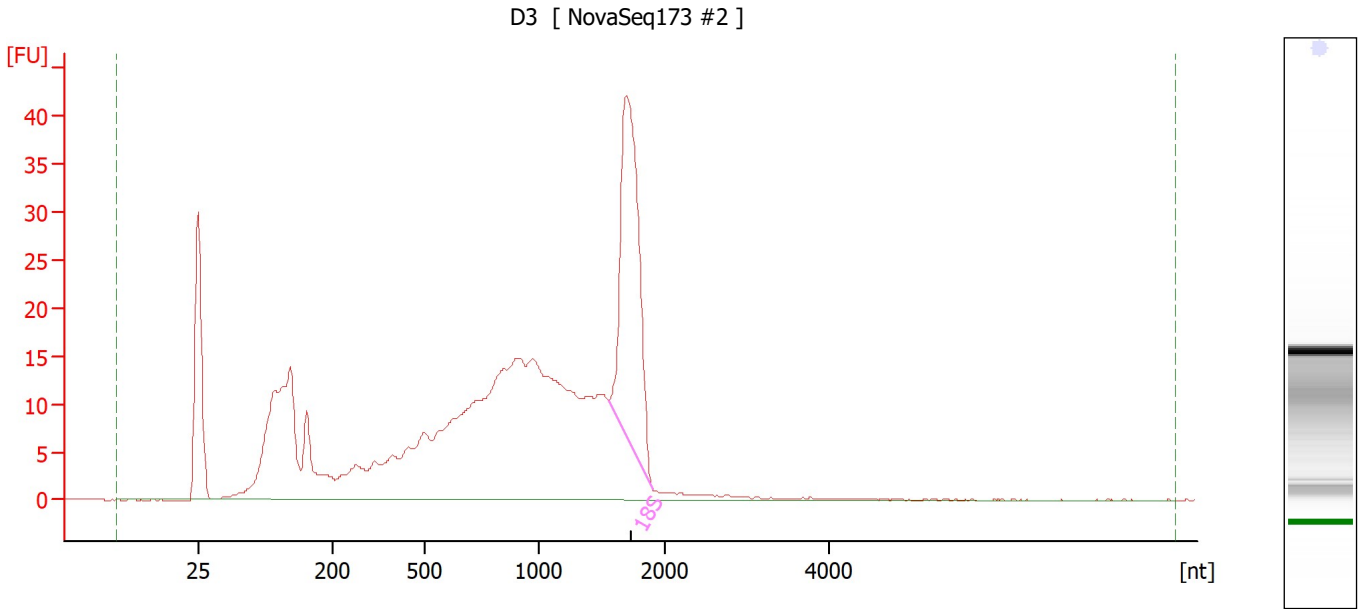
Fragment table for sample 4 : D1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,899	194.5	26.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : D3

RNA Area:	513.4	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	1,945 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

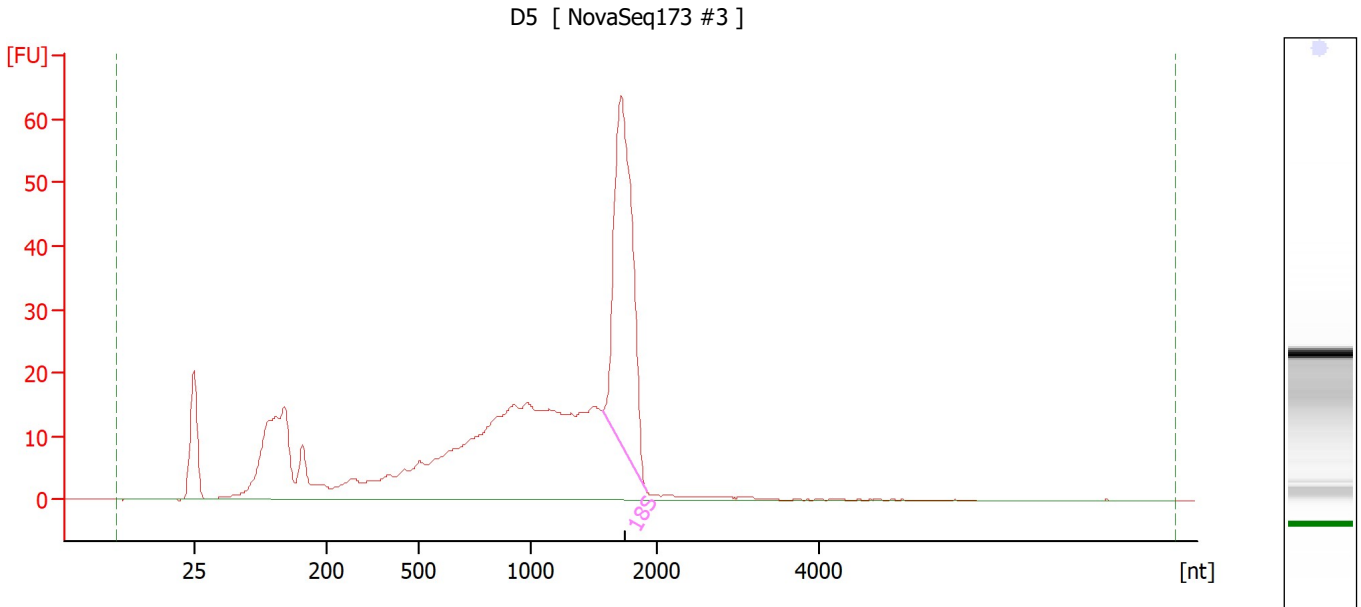
Fragment table for sample 5 : D3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,900	82.3	16.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : D5

RNA Area:	579.0	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,194 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

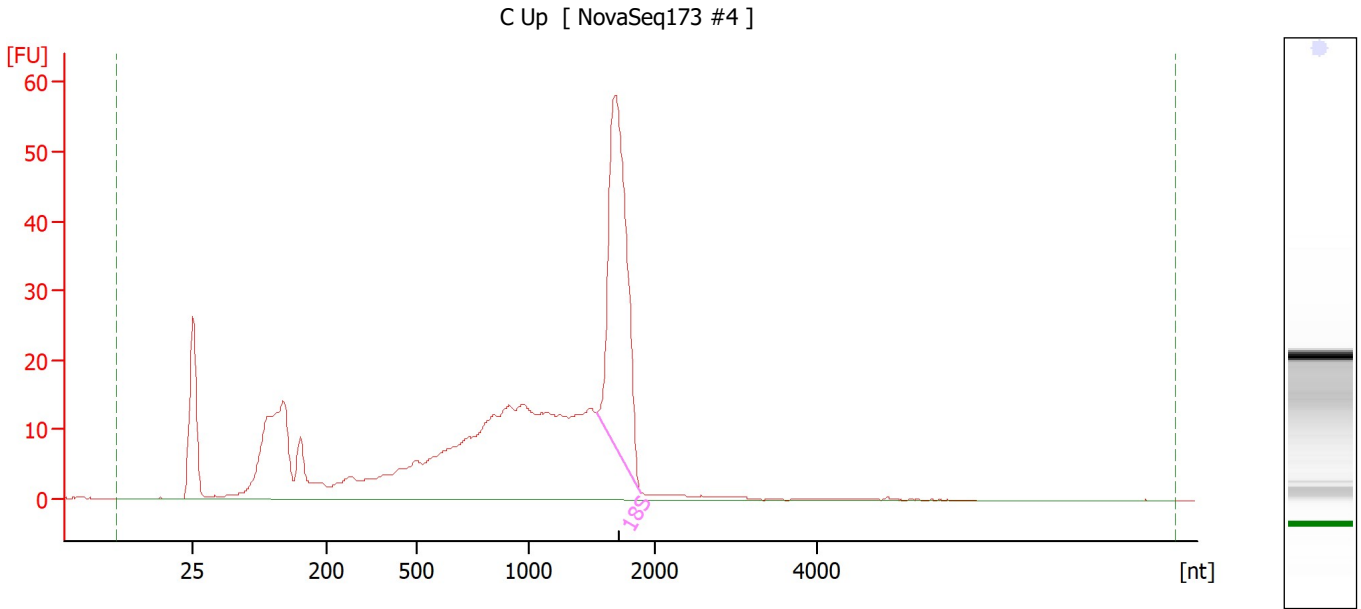
Fragment table for sample 6 : D5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,914	127.2	22.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : C Up

RNA Area:	522.1	RNA Integrity Number (RIN):	6.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,978 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

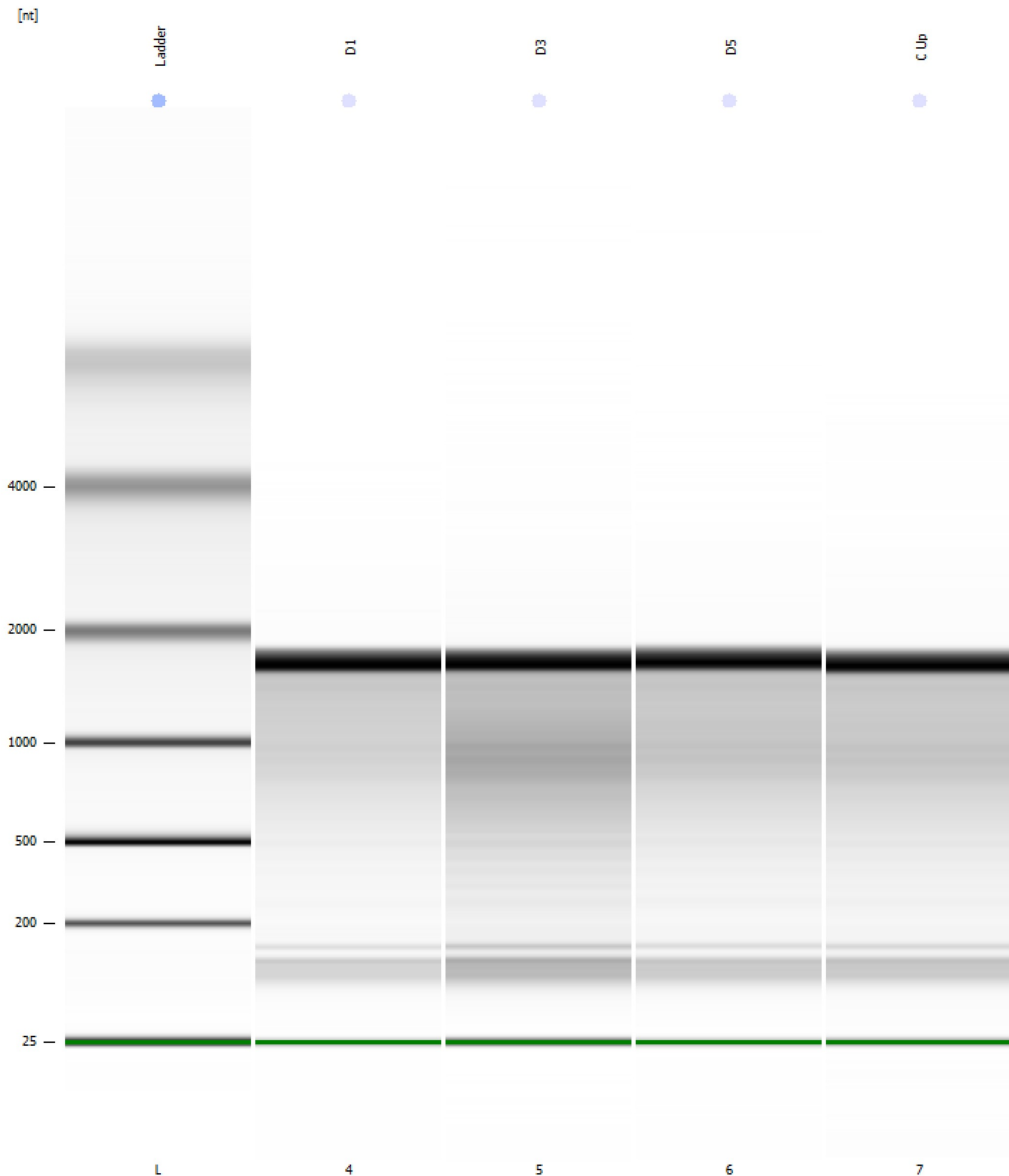
Fragment table for sample 7 : C Up

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,888	115.6	22.1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
Modified: 1/30/2020 3:24:49 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-01-30\NovaSeq173_RNAQC.xad

Created: 1/30/2020 2:58:28 PM
 Modified: 1/30/2020 3:24:49 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