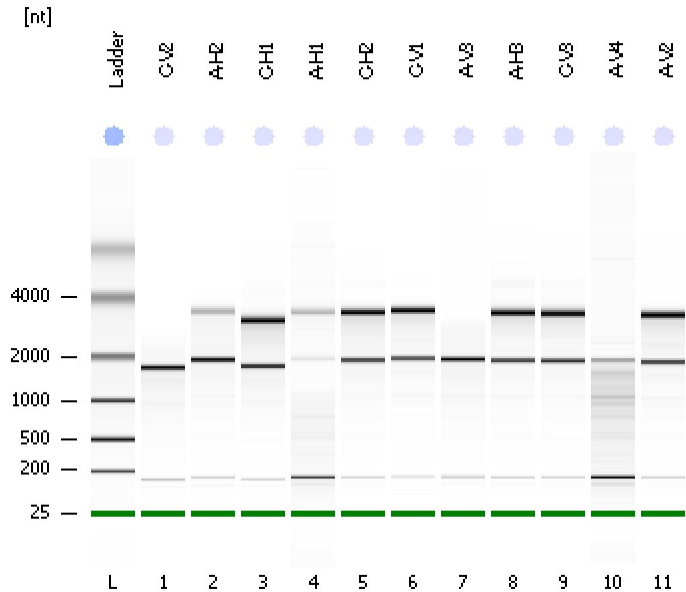


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electrophoresis File Run Summary



Instrument Information:

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

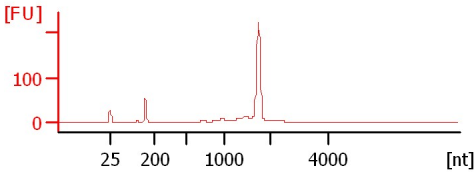
Assay Information:

Assay Origin Path: C:\Program Files\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.

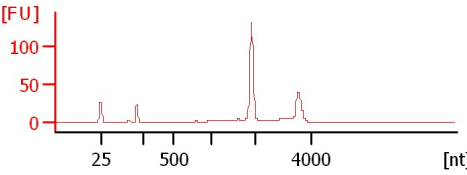
Chip Information:

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

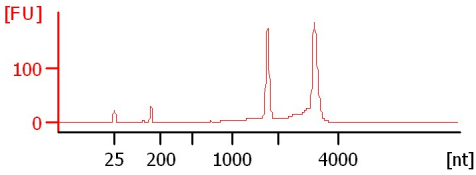
C-V2
RIN: 7.50



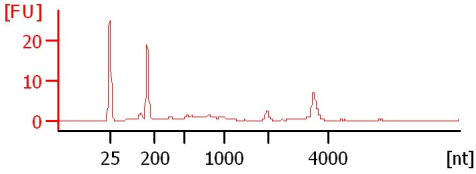
A-H2
RIN: 8.70



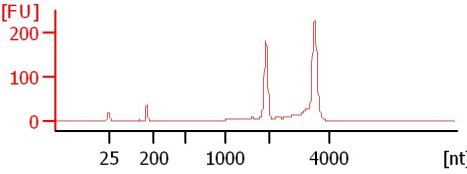
C-H1
RIN: 9.20



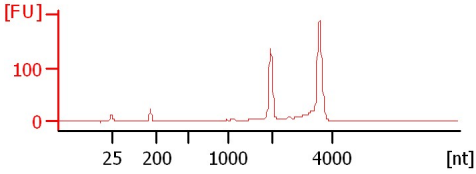
A-H1
RIN: 5.30



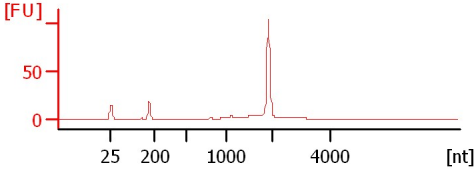
C-H2
RIN: 9.30



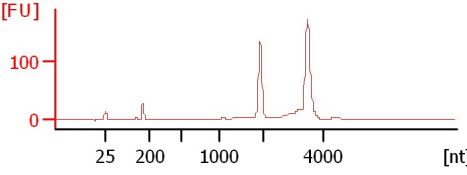
C-V1
RIN: 9.50



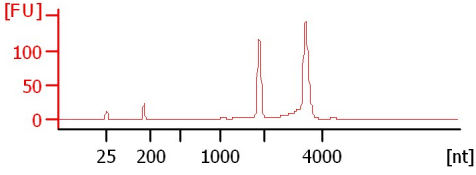
A-V3
RIN: 7.70



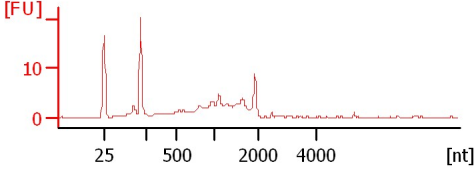
A-H3
RIN: 9.50



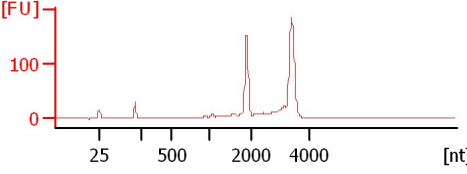
C-V3
RIN: 9.70



A-V4
RIN: 4.10



A-V2
RIN: 9.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
 Modified: 8/13/2019 3:13:51 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C-V2		✓	RIN: 7.50	
A-H2		✓	RIN: 8.70	
C-H1		✓	RIN: 9.20	
A-H1		✓	RIN: 5.30	
C-H2		✓	RIN: 9.30	
C-V1		✓	RIN: 9.50	
A-V3		✓	RIN: 7.70	
A-H3		✓	RIN: 9.50	
C-V3		✓	RIN: 9.70	
A-V4		✓	RIN: 4.10	
A-V2		✓	RIN: 9.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 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

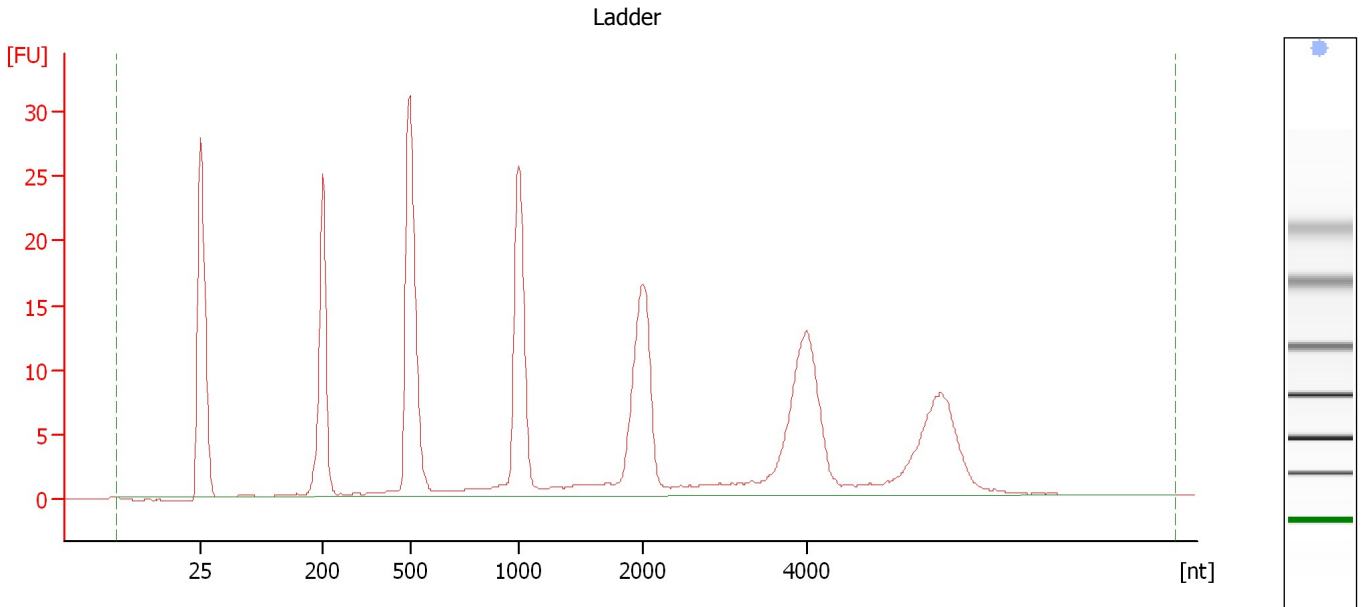
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary



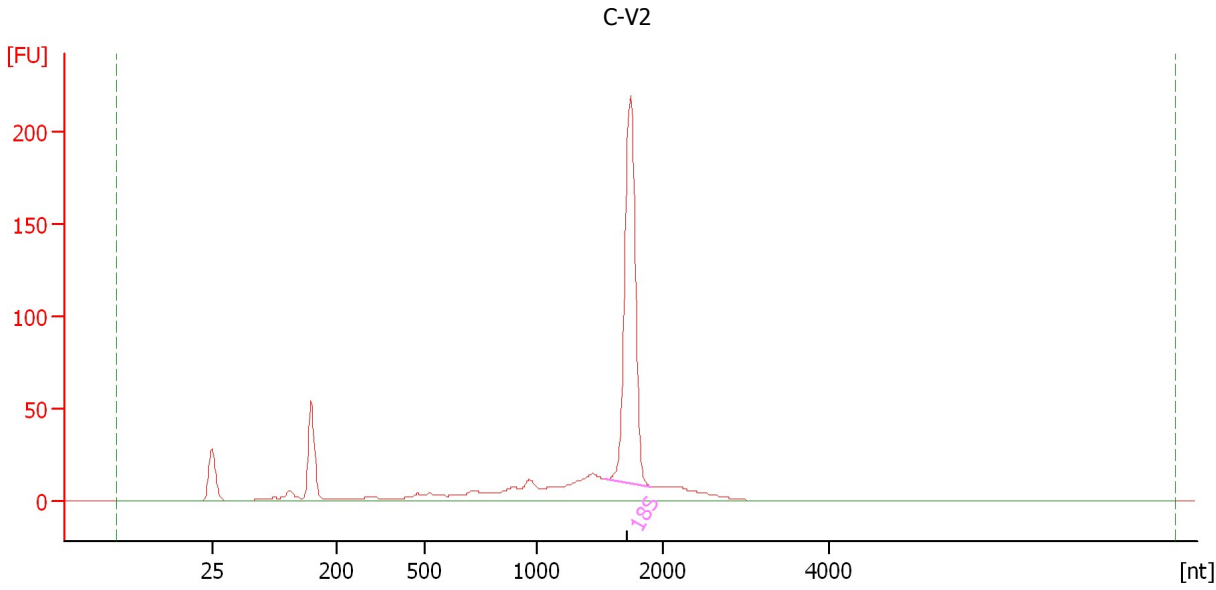
Overall Results for Ladder

RNA Area:	251.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C-V2

RNA Area:	626.2	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,487 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.50

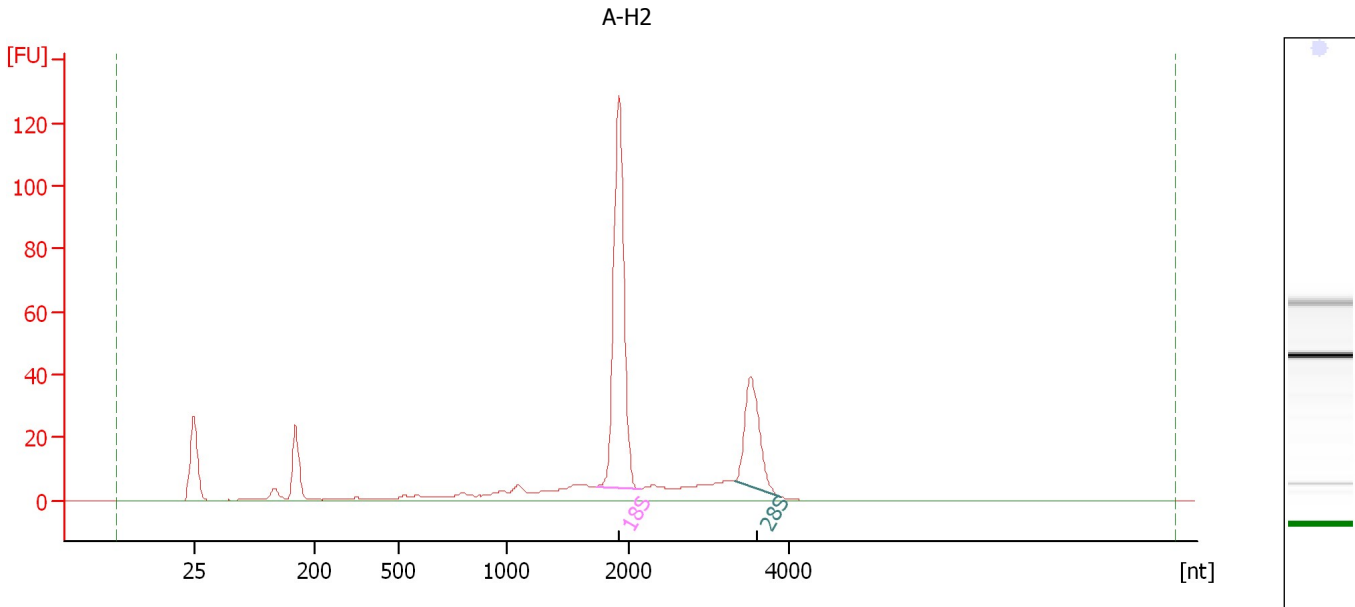
Fragment table for sample 1 : C-V2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,908	276.2	44.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
 Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A-H2

RNA Area:	407.8	RNA Integrity Number (RIN):	8.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,619 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 8.70

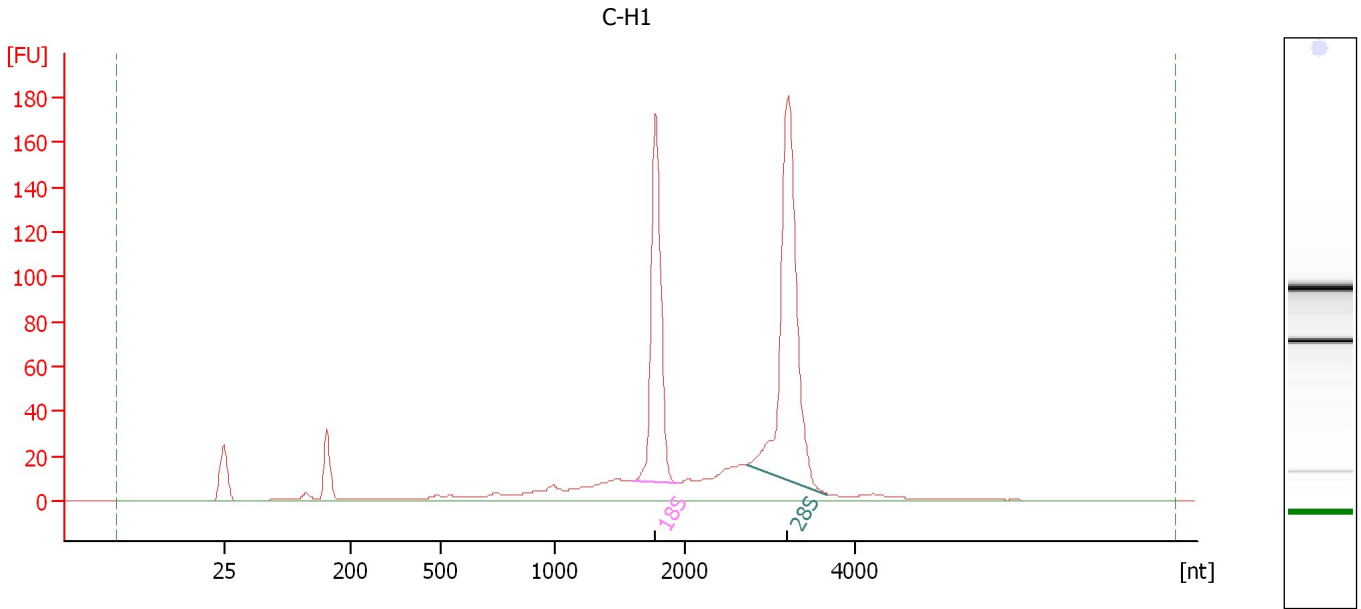
Fragment table for sample 2 : A-H2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,148	159.7	39.2
28S	3,315	3,899	56.6	13.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C-H1

RNA Area: 852.5 RNA Integrity Number (RIN): 9.2 (B.02.08)
RNA Concentration: 3,385 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.20

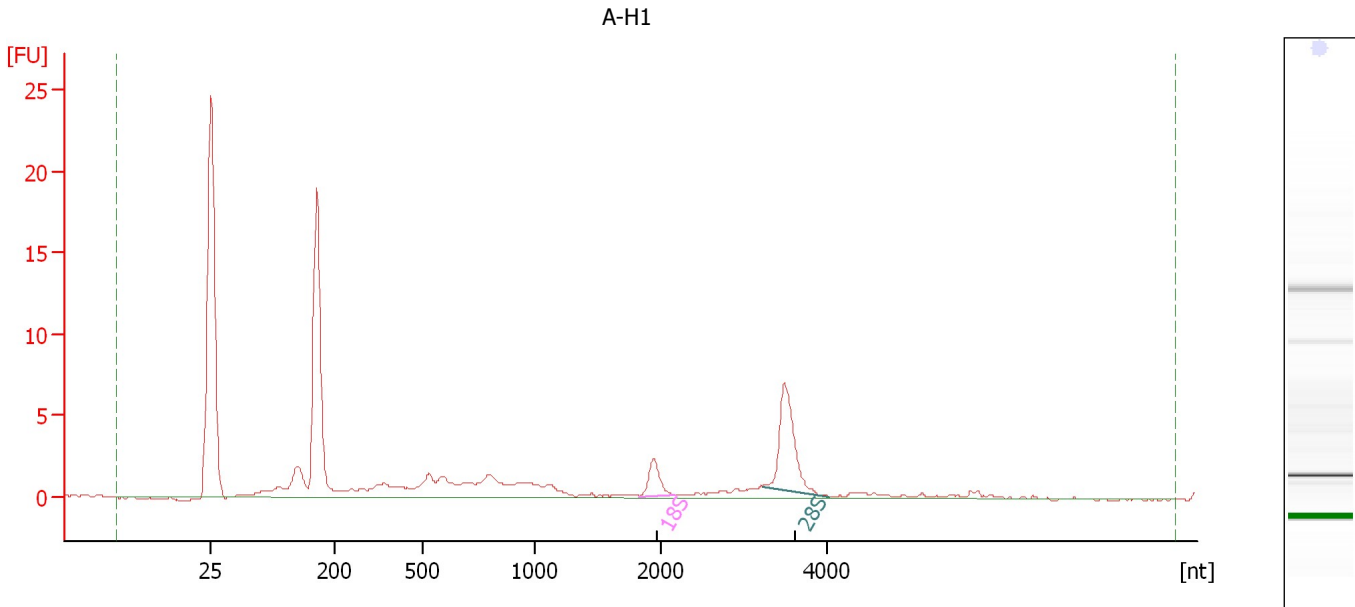
Fragment table for sample 3 : C-H1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,938	193.7	22.7
28S	2,732	3,670	286.1	33.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A-H1

RNA Area:	80.9	RNA Integrity Number (RIN):	5.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	321 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.3	Result Flagging Label:	RIN: 5.30

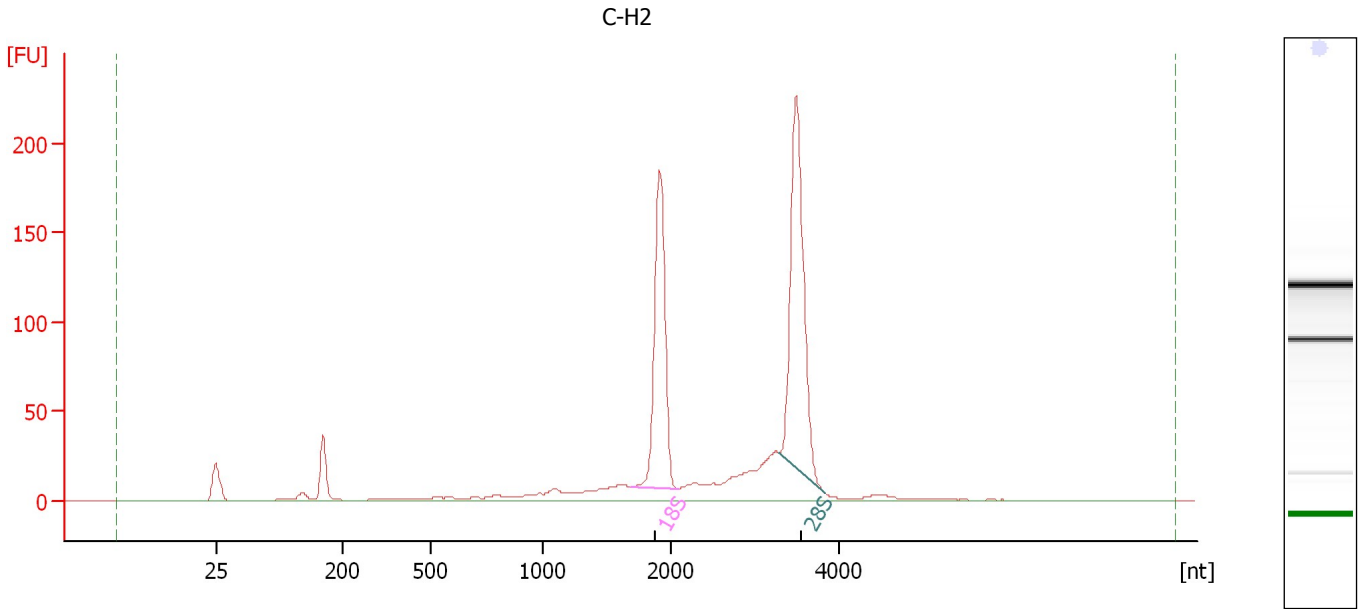
Fragment table for sample 4 : A-H1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,831	2,167	3.1	3.8
28S	3,219	4,027	10.1	12.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
 Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C-H2

RNA Area:	936.2	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	3,718 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.30

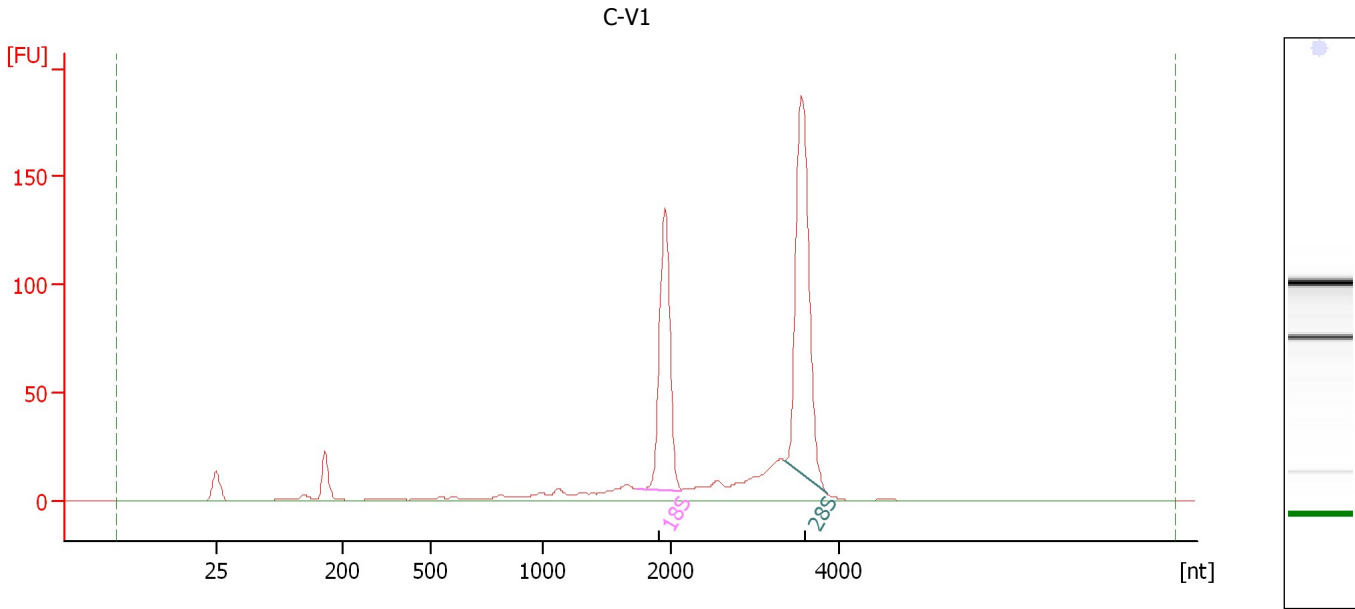
Fragment table for sample 5 : C-H2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,084	221.4	23.6
28S	3,290	3,823	286.4	30.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C-V1

RNA Area:	695.9	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	2,763 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.50

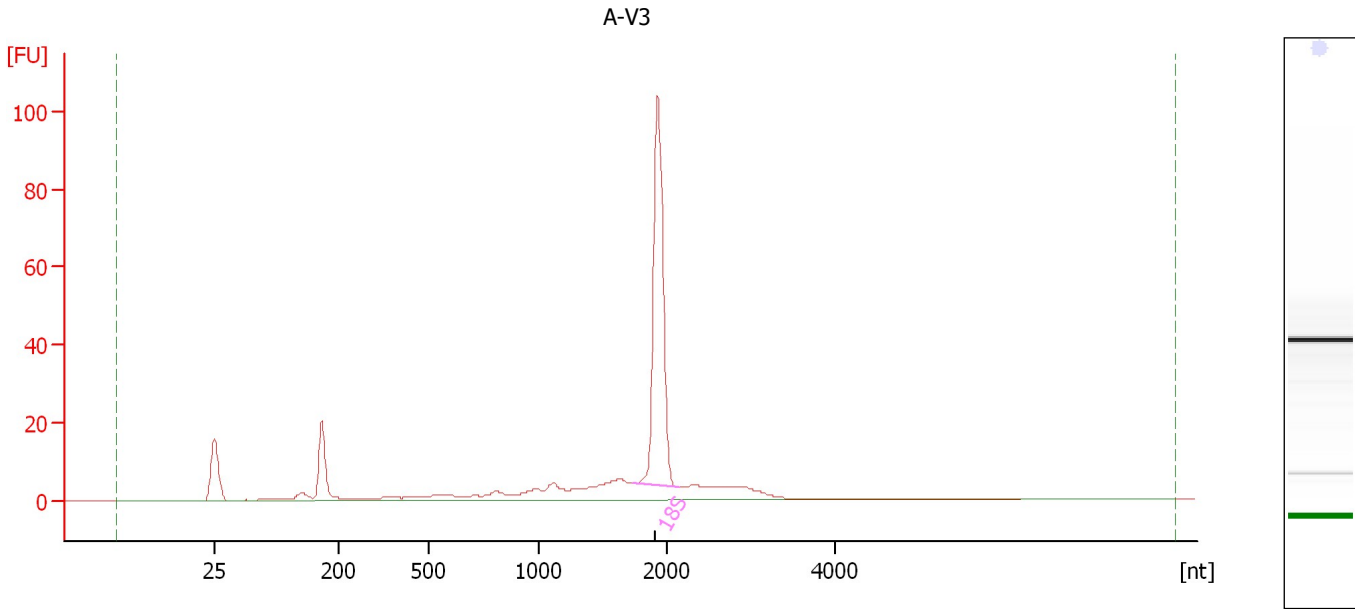
Fragment table for sample 6 : C-V1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,122	165.2	23.7
28S	3,353	3,849	242.8	34.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : A-V3

RNA Area:	264.7	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,051 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.70

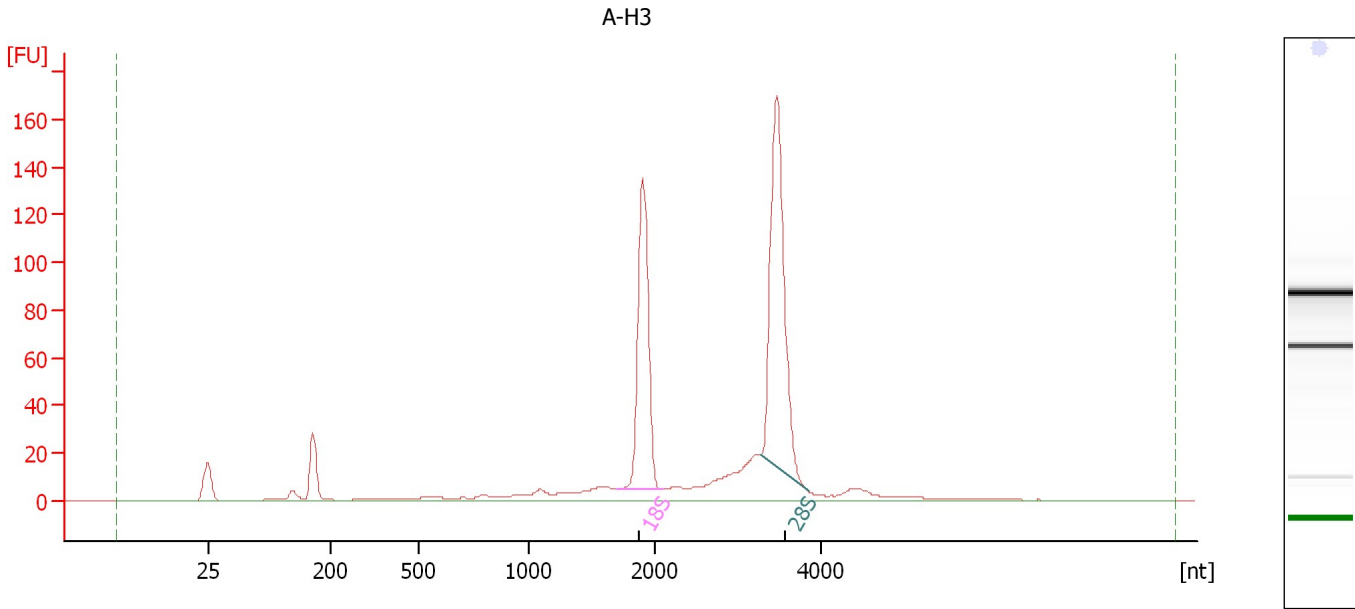
Fragment table for sample 7 : A-V3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,145	115.9	43.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A-H3

RNA Area:	706.0	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	2,804 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.50

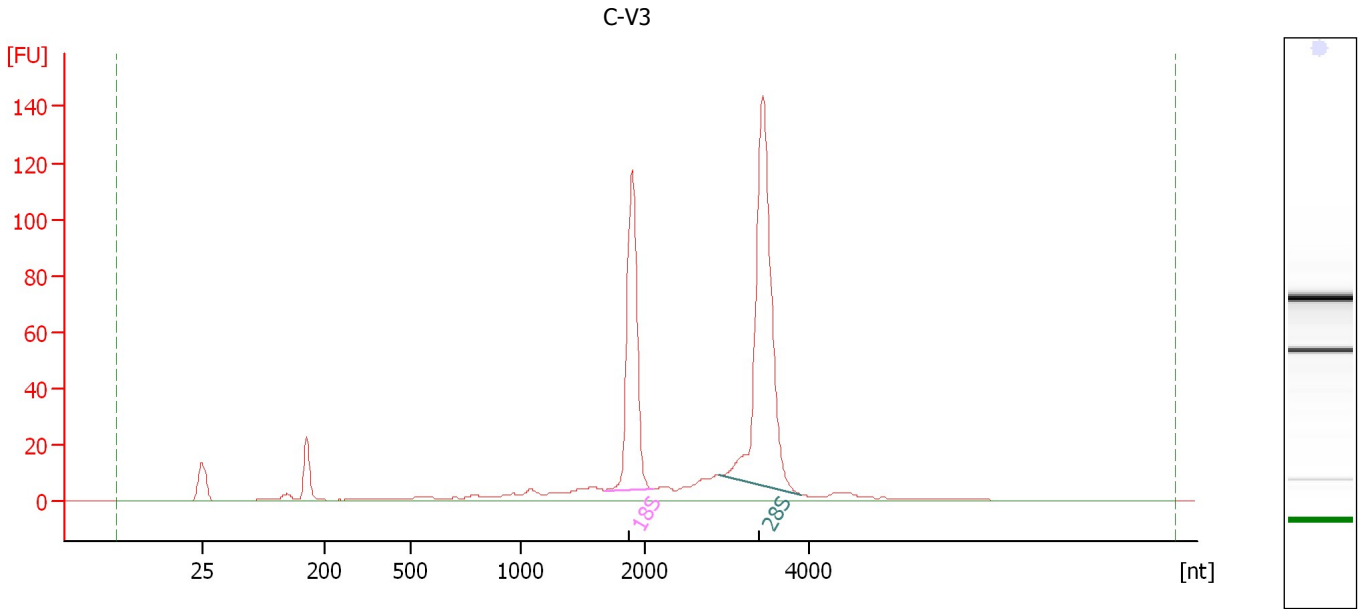
Fragment table for sample 8 : A-H3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,099	165.6	23.5
28S	3,274	3,854	229.3	32.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : C-V3

RNA Area: 594.3 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 2,360 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

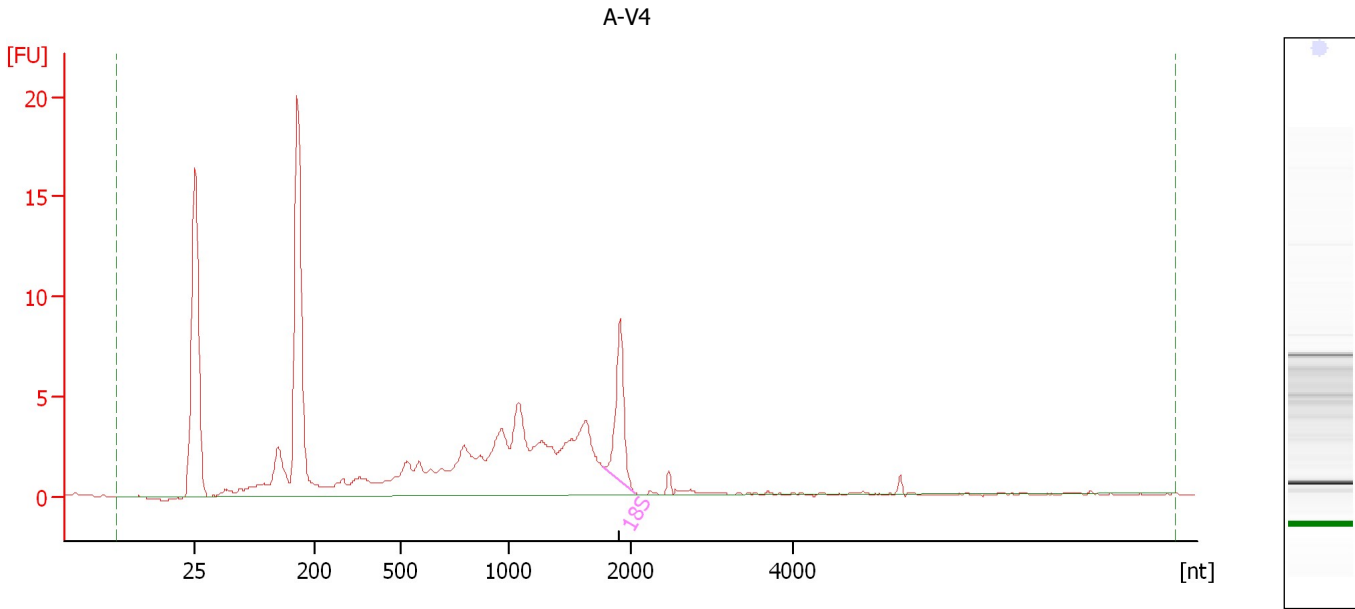
Fragment table for sample 9 : C-V3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	2,105	140.8	23.7
28S	2,914	3,919	235.0	39.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : A-V4

RNA Area:	110.9	RNA Integrity Number (RIN):	4.1 (B.02.08)
RNA Concentration:	441 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.10

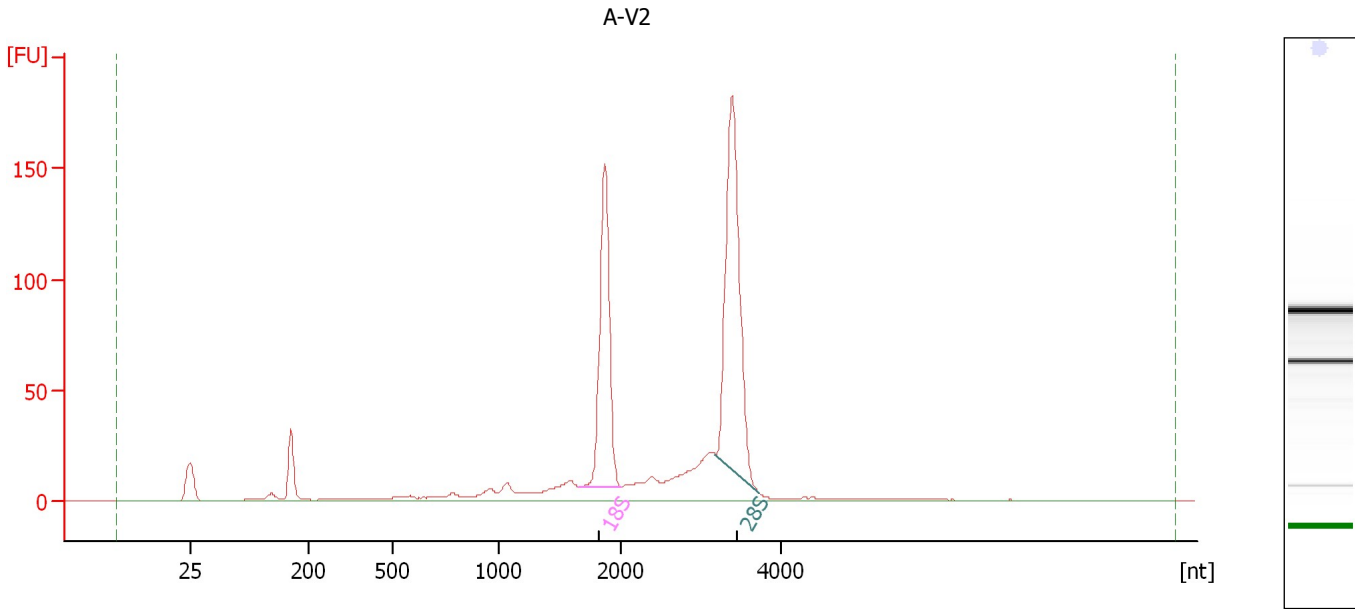
Fragment table for sample 10 : A-V4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,775	2,056	8.1	7.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : A-V2

RNA Area:	791.7	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	3,144 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.30

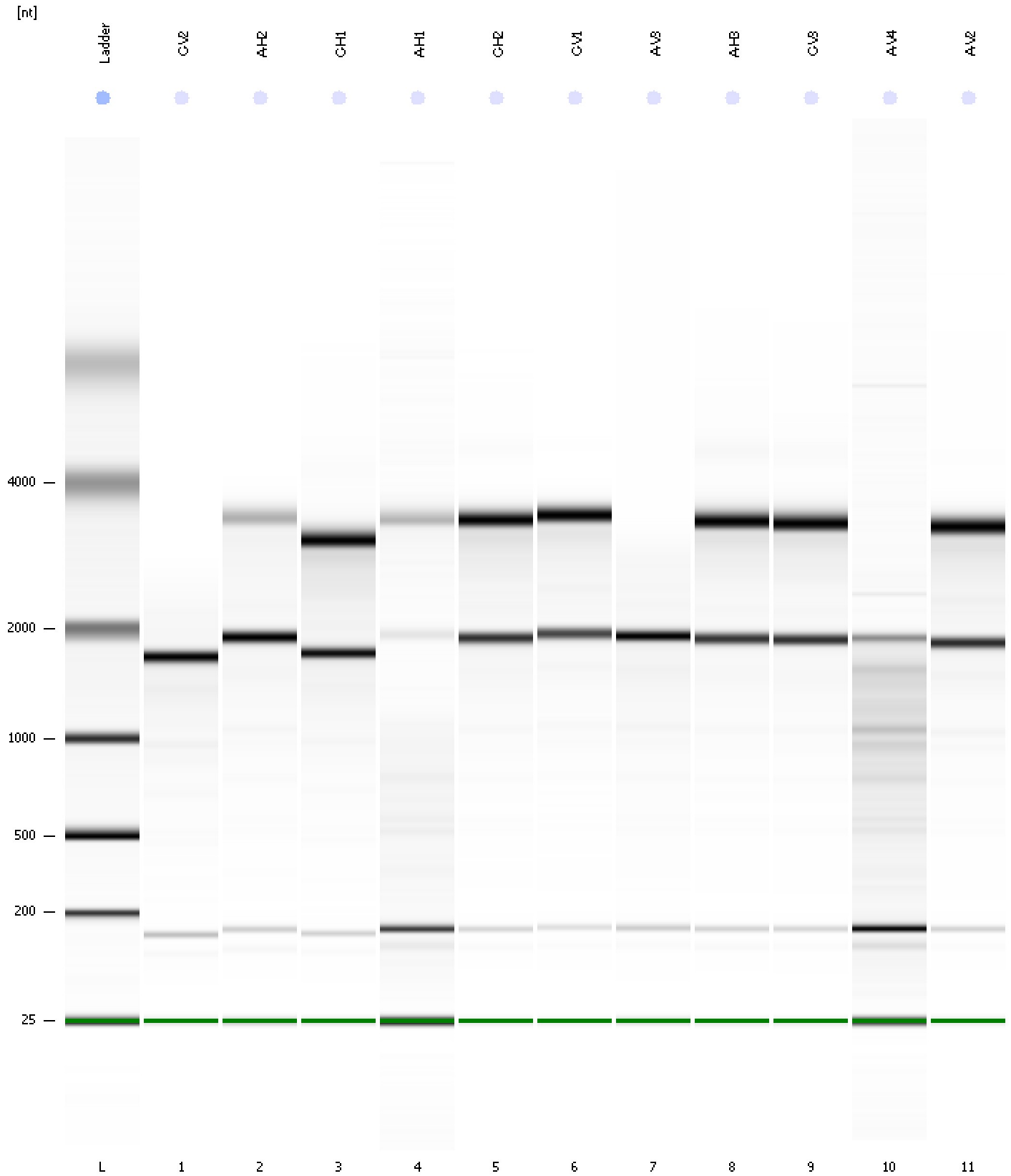
Fragment table for sample 11 : A-V2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	2,009	182.9	23.1
28S	3,187	3,735	260.4	32.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
Modified: 8/13/2019 3:13:51 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad

Created: 8/13/2019 2:50:59 PM
 Modified: 8/13/2019 3:13:51 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		8/13/2019 3:13:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-08-13\2019-08-13_003.xad)		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/13/2019 2:50:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1