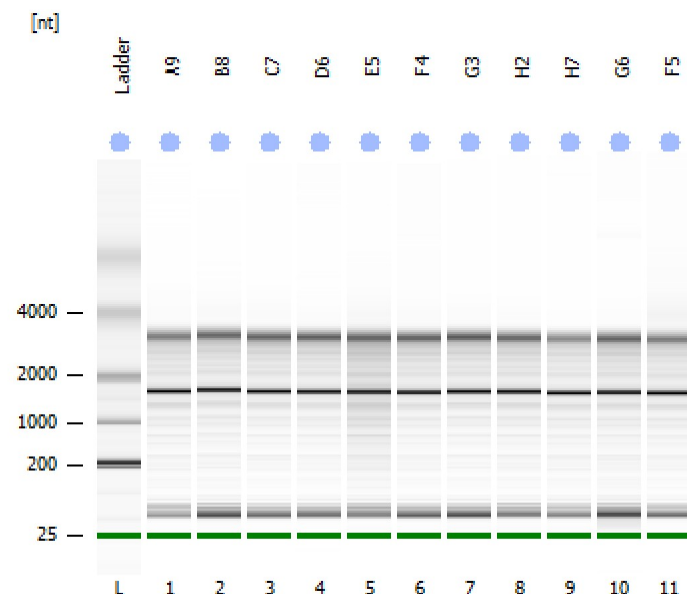


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
Modified: 7/29/2020 2:17:29 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DEDAE00858
Serial#: DEDAE00858

Firmware: C.01.069
Type: G2939B

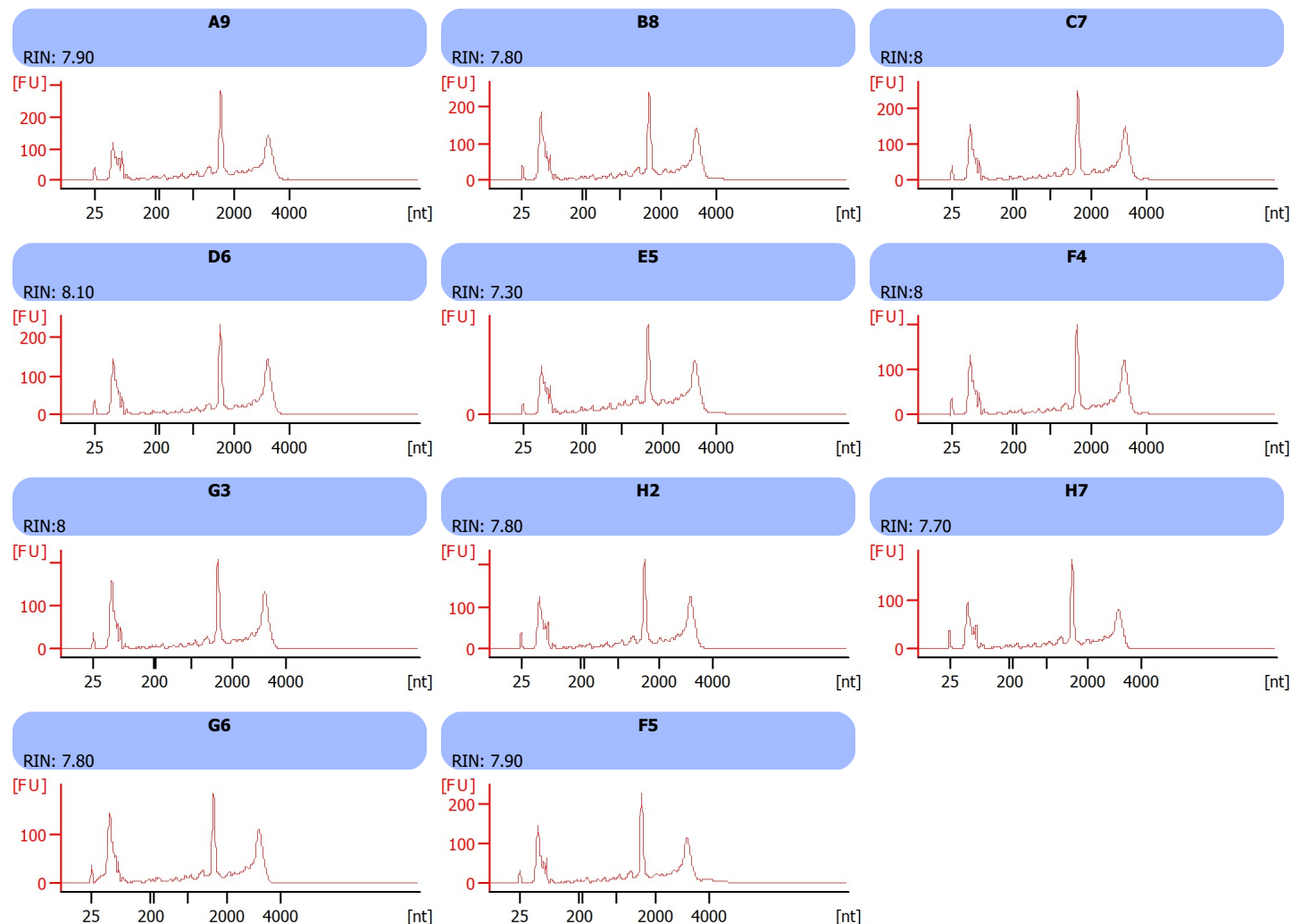
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\DV200 RNA Pico.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
Modified for DV200 Analysis

Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
Modified: 7/29/2020 2:17:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A9		✓	RIN: 7.90	
B8		✓	RIN: 7.80	
C7		✓	RIN:8	
D6		✓	RIN: 8.10	
E5		✓	RIN: 7.30	
F4		✓	RIN:8	
G3		✓	RIN:8	
H2		✓	RIN: 7.80	
H7		✓	RIN: 7.70	
G6		✓	RIN: 7.80	
F5		✓	RIN: 7.90	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
Modified: 7/29/2020 2:17:29 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

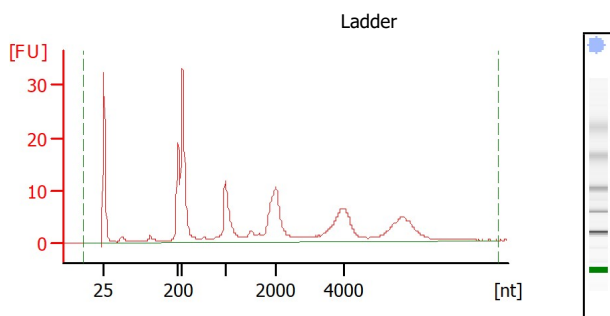
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

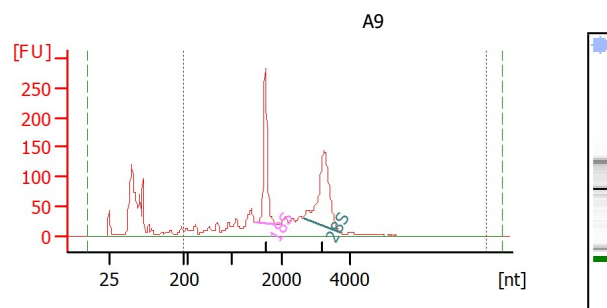
Created: 7/29/2020 1:55:26 PM
 Modified: 7/29/2020 2:17:29 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 249.2
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples



Overall Results for sample 1 : A9

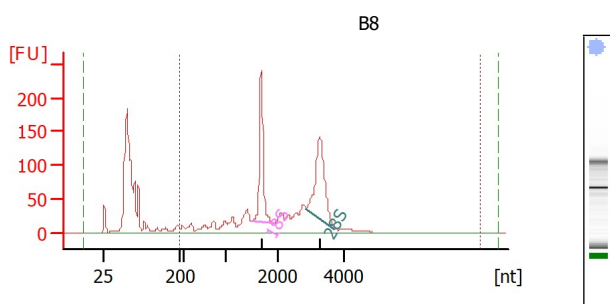
RNA Area: 2,352.9
 RNA Concentration: 9,442 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.9 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90
 Corr. Area 1: 1,649.4

Fragment table for sample 1 : A9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,468	1,878	339.6	14.4
28S	2,607	3,717	396.0	16.8

Region table for sample 1 : A9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,649.4	70	



Overall Results for sample 2 : B8

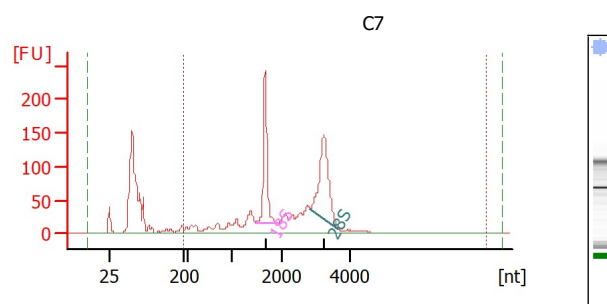
RNA Area: 2,396.8
 RNA Concentration: 9,618 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 7.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80
 Corr. Area 1: 1,504.8

Fragment table for sample 2 : B8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,934	294.3	12.3
28S	2,880	3,711	313.4	13.1

Region table for sample 2 : B8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,504.8	63	



Overall Results for sample 3 : C7

RNA Area: 2,113.4
 RNA Concentration: 8,481 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8
 Corr. Area 1: 1,415.9

Fragment table for sample 3 : C7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,468	1,903	287.5	13.6
28S	2,829	3,655	331.2	15.7

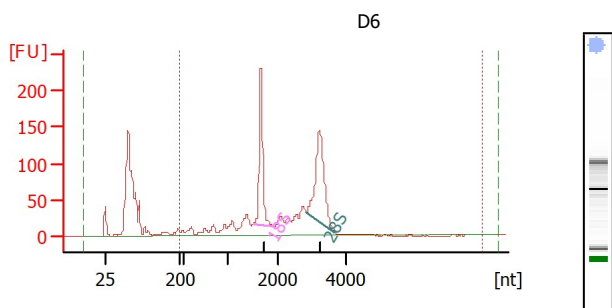
Region table for sample 3 : C7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,415.9	67	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
 Modified: 7/29/2020 2:17:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D6

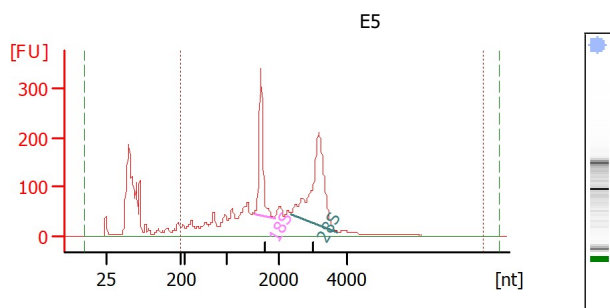
RNA Area: 1,940.7
 RNA Concentration: 7,788 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.1 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.10
 Corr. Area 1: 1,281.9

Fragment table for sample 4 : D6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,509	1,903	270.1	13.9
28S	2,829	3,655	314.3	16.2

Region table for sample 4 : D6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,281.9	66	



Overall Results for sample 5 : E5

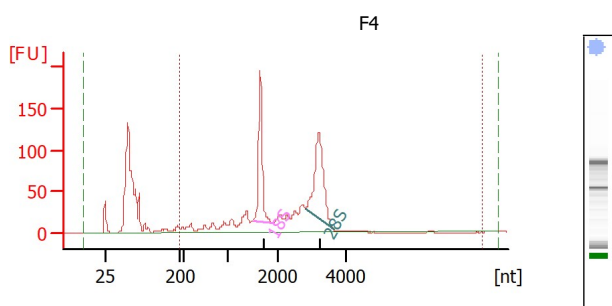
RNA Area: 3,851.2
 RNA Concentration: 15,454 pg/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 7.3 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.30
 Corr. Area 1: 2,753.6

Fragment table for sample 5 : E5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,515	1,910	391.0	10.2
28S	2,360	3,720	669.5	17.4

Region table for sample 5 : E5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	2,753.6	71	



Overall Results for sample 6 : F4

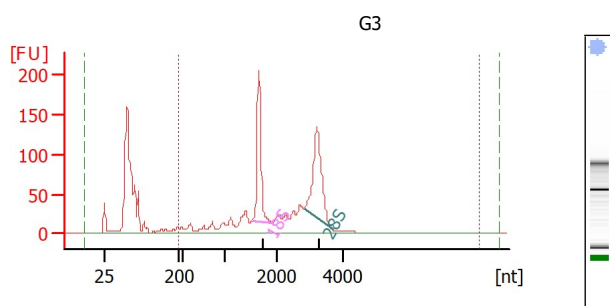
RNA Area: 1,705.0
 RNA Concentration: 6,842 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8
 Corr. Area 1: 1,107.9

Fragment table for sample 6 : F4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,894	230.1	13.5
28S	2,792	3,618	266.3	15.6

Region table for sample 6 : F4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,107.9	65	



Overall Results for sample 7 : G3

RNA Area: 1,904.2
 RNA Concentration: 7,641 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8
 Corr. Area 1: 1,207.8

Fragment table for sample 7 : G3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,916	251.0	13.2
28S	2,820	3,655	290.4	15.3

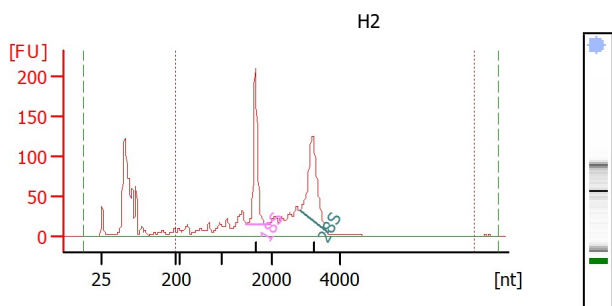
Region table for sample 7 : G3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,207.8	63	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
 Modified: 7/29/2020 2:17:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H2

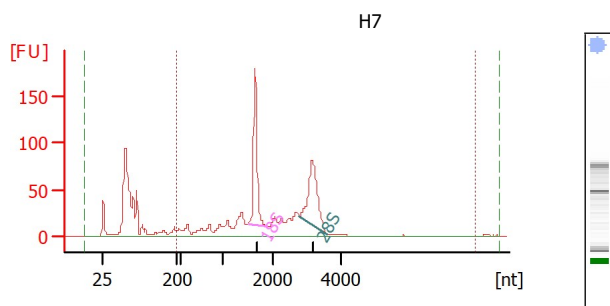
RNA Area: 1,862.8
 RNA Concentration: 7,475 pg/μl
 rRNA Ratio [28s / 18s]: 1.0
 RNA Integrity Number (RIN): 7.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80
 Corr. Area 1: 1,251.7

Fragment table for sample 8 : H2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,472	1,906	259.3	13.9
28S	2,799	3,638	271.8	14.6

Region table for sample 8 : H2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,251.7	67	



Overall Results for sample 9 : H7

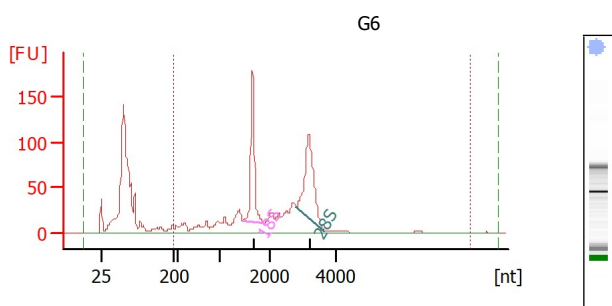
RNA Area: 1,385.6
 RNA Concentration: 5,560 pg/μl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 7.7 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70
 Corr. Area 1: 923.9

Fragment table for sample 9 : H7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,856	209.9	15.1
28S	2,773	3,588	183.6	13.3

Region table for sample 9 : H7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	923.9	67	



Overall Results for sample 10 : G6

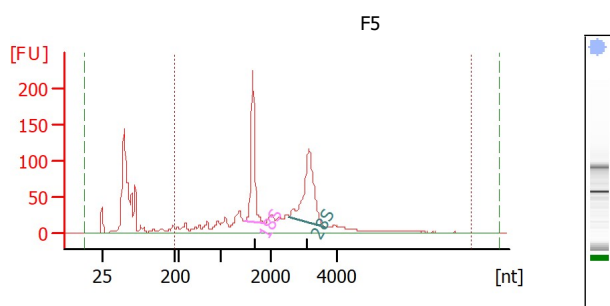
RNA Area: 1,812.8
 RNA Concentration: 7,275 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 7.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80
 Corr. Area 1: 1,066.8

Fragment table for sample 10 : G6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	1,886	217.7	12.0
28S	2,789	3,597	236.8	13.1

Region table for sample 10 : G6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,066.8	59	



Overall Results for sample 11 : F5

RNA Area: 1,965.1
 RNA Concentration: 7,886 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 7.9 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90
 Corr. Area 1: 1,329.0

Fragment table for sample 11 : F5

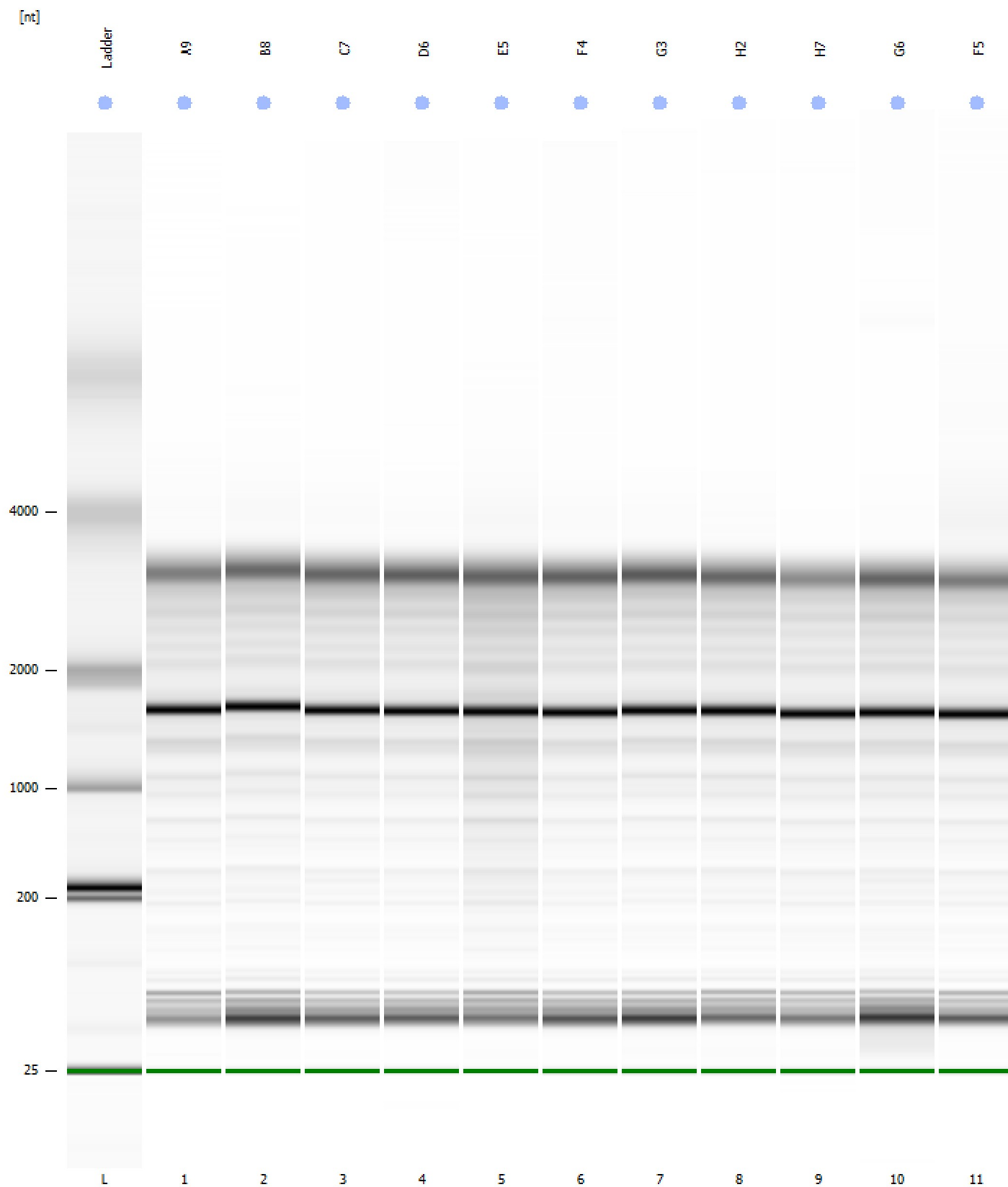
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,483	1,853	270.1	13.7
28S	2,524	3,635	304.4	15.5

Region table for sample 11 : F5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,329.0	68	

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
Modified: 7/29/2020 2:17:29 PM

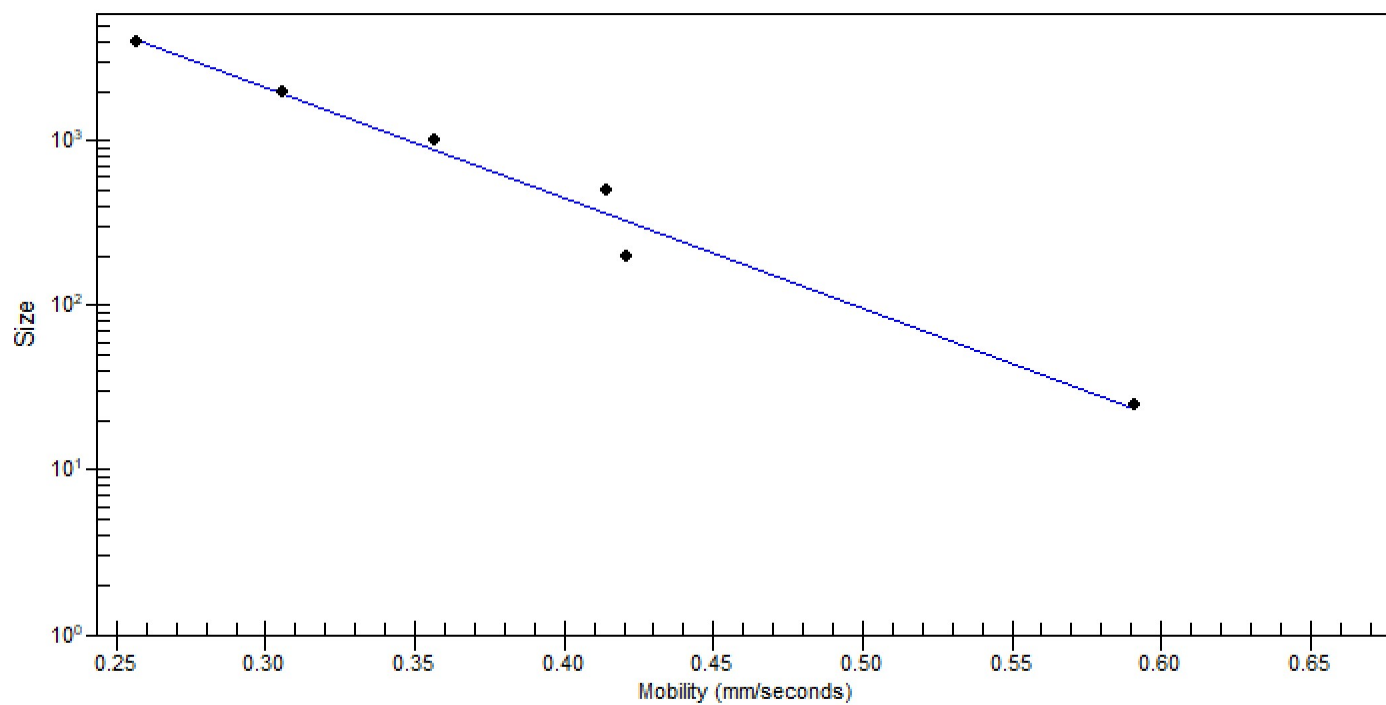
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad

Created: 7/29/2020 1:55:26 PM
Modified: 7/29/2020 2:17:29 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 7/29/2020 1:55:26 PM
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad Modified: 7/29/2020 2:17:29 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 5 (Number of wells acquired: 12)		Instrument	Run		7/29/2020 2:17:27 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Run started on port 5 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2020-07-29\2100 expert_Eukaryote Total RNA Pico_DEDAE00858_2020-07-29_13-55-26.xad)		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Product Number : G2939B		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Name :		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Vendor : Agilent Technologies		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Serial# : DEDAE00858		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Firmware : C.01.069		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Cartridge : Electrode		Instrument	Run		7/29/2020 1:55:32 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG