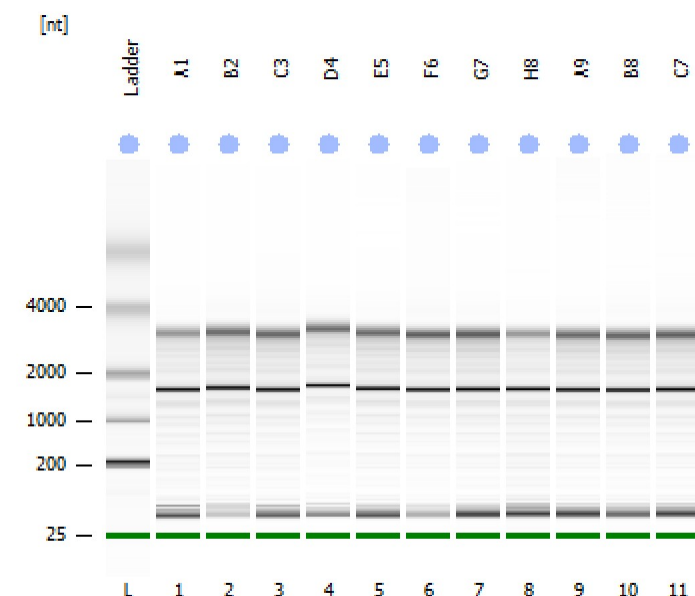


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
Modified: 7/25/2020 3:32:11 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DEDAE00858
Serial#: DEDAE00858

Firmware: C.01.069
Type: G2939B

Assay Information:

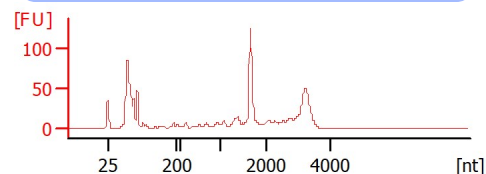
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\DV200 RNA Pico.xsy

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

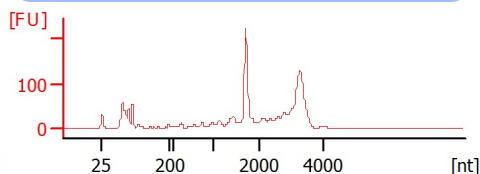
Chip Information:

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

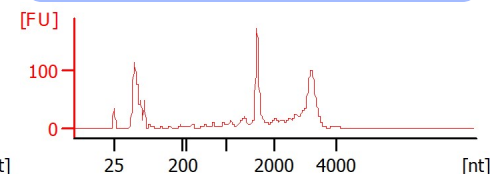
A1
RIN: 7.80



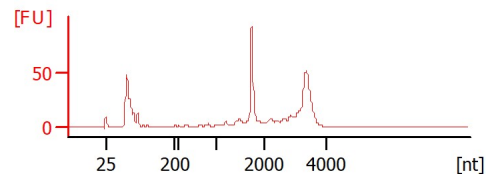
B2
RIN: 8.20



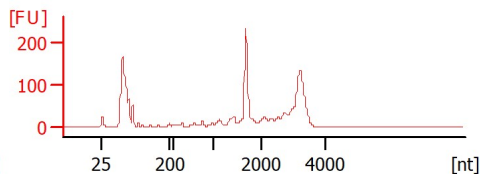
C3
RIN: 8.60



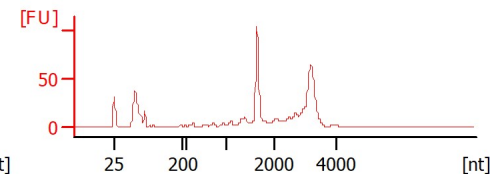
D4
RIN: 8.80



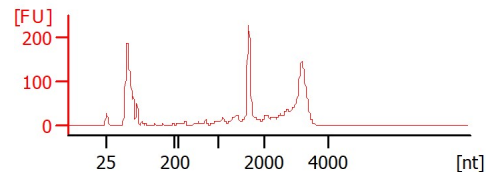
E5
RIN: 8.20



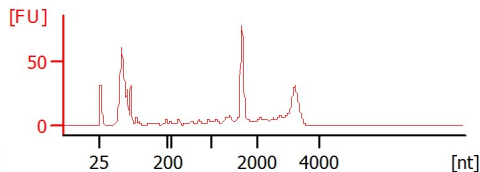
F6
RIN: 8.60



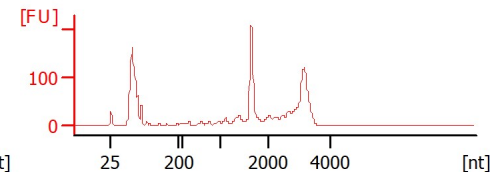
G7
RIN: 8.20



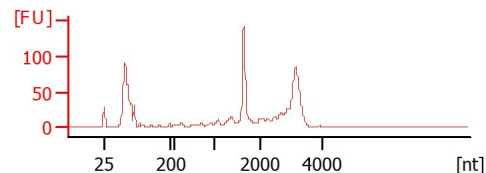
H8
RIN: 7.80



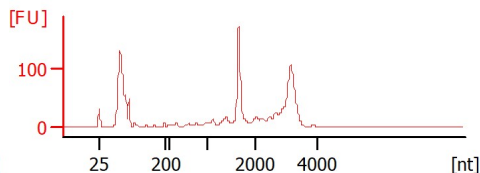
A9
RIN: 8.20



B8
RIN: 8.40



C7
RIN: 8.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
Modified: 7/25/2020 3:32:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 7.80	
B2		✓	RIN: 8.20	
C3		✓	RIN: 8.60	
D4		✓	RIN: 8.80	
E5		✓	RIN: 8.20	
F6		✓	RIN: 8.60	
G7		✓	RIN: 8.20	
H8		✓	RIN: 7.80	
A9		✓	RIN: 8.20	
B8		✓	RIN: 8.40	
C7		✓	RIN: 8.30	
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_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
Modified: 7/25/2020 3:32:11 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

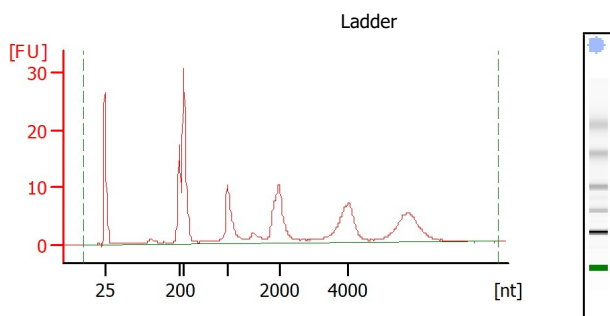
Ladder

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_2020-07-25_15-10-09.xad

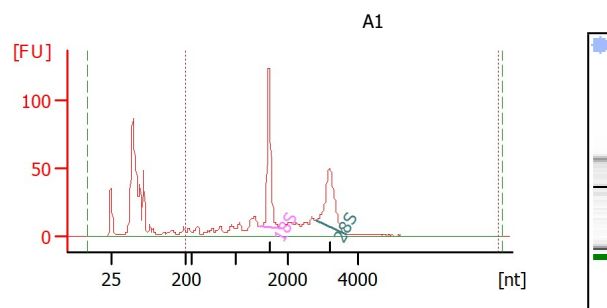
Created: 7/25/2020 3:10:09 PM
 Modified: 7/25/2020 3:32:11 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 211.1
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples



Overall Results for sample 1 : A1

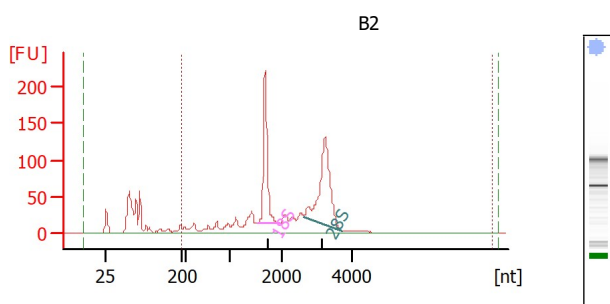
RNA Area: 969.9
 RNA Concentration: 4,594 pg/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 7.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80
 Corr. Area 1: 567.7

Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,463	1,897	143.5	14.8
28S	2,837	3,647	110.2	11.4

Region table for sample 1 : A1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	567.7	58	



Overall Results for sample 2 : B2

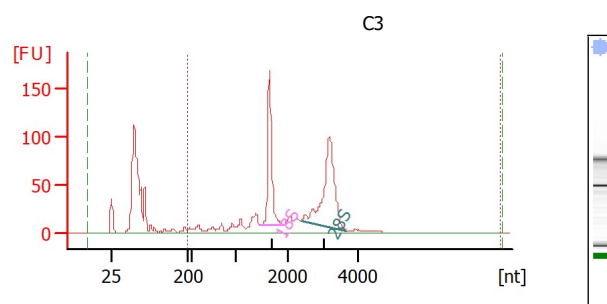
RNA Area: 1,607.3
 RNA Concentration: 7,613 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.2 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20
 Corr. Area 1: 1,245.8

Fragment table for sample 2 : B2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,969	268.5	16.7
28S	2,636	3,713	350.2	21.8

Region table for sample 2 : B2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,245.8	77	



Overall Results for sample 3 : C3

RNA Area: 1,407.1
 RNA Concentration: 6,664 pg/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 8.6 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60
 Corr. Area 1: 906.8

Fragment table for sample 3 : C3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,465	1,914	205.5	14.6
28S	2,372	3,668	302.5	21.5

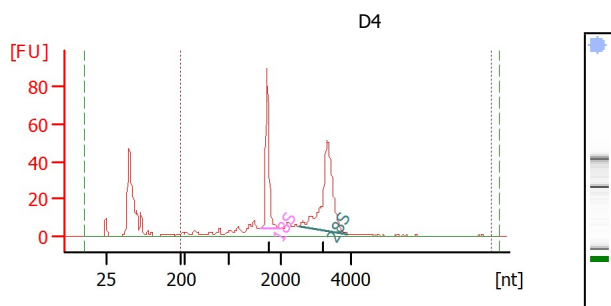
Region table for sample 3 : C3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	906.8	64	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
 Modified: 7/25/2020 3:32:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D4

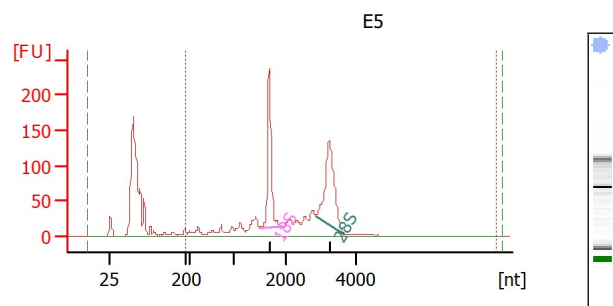
RNA Area: 567.2
 RNA Concentration: 2,686 pg/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80
 Corr. Area 1: 394.5

Fragment table for sample 4 : D4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,976	91.2	16.1
28S	2,529	3,912	145.5	25.7

Region table for sample 4 : D4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	394.5	70	



Overall Results for sample 5 : E5

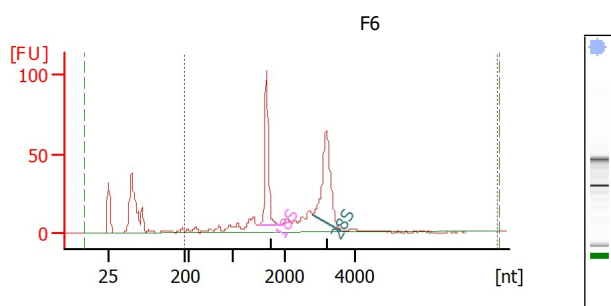
RNA Area: 1,922.5
 RNA Concentration: 9,105 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 8.2 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20
 Corr. Area 1: 1,204.6

Fragment table for sample 5 : E5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,929	274.0	14.3
28S	2,838	3,638	304.9	15.9

Region table for sample 5 : E5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,204.6	63	



Overall Results for sample 6 : F6

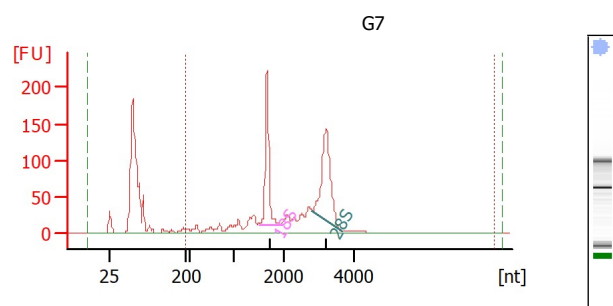
RNA Area: 640.6
 RNA Concentration: 3,034 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.6 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60
 Corr. Area 1: 478.3

Fragment table for sample 6 : F6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,922	116.4	18.2
28S	2,788	3,573	136.0	21.2

Region table for sample 6 : F6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	478.3	75	



Overall Results for sample 7 : G7

RNA Area: 1,950.0
 RNA Concentration: 9,235 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.2 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20
 Corr. Area 1: 1,216.4

Fragment table for sample 7 : G7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,928	262.4	13.5
28S	2,793	3,620	315.4	16.2

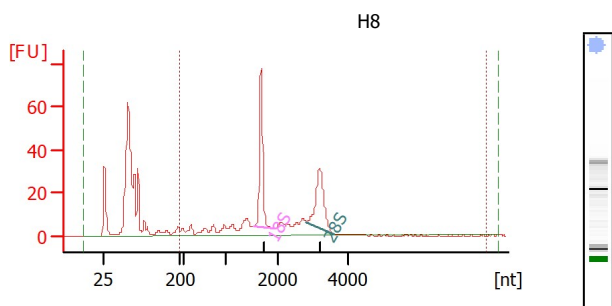
Region table for sample 7 : G7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,216.4	62	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
 Modified: 7/25/2020 3:32:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H8

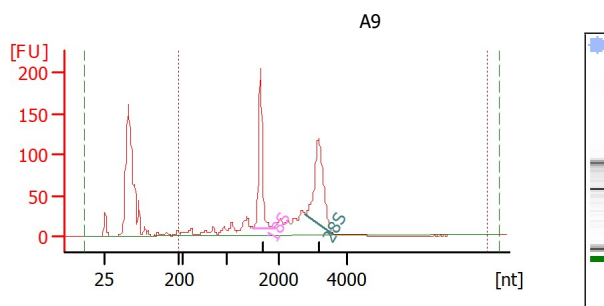
RNA Area: 610.0
 RNA Concentration: 2,889 pg/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 7.8 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80
 Corr. Area 1: 326.9

Fragment table for sample 8 : H8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,901	86.2	14.1
28S	2,820	3,593	64.8	10.6

Region table for sample 8 : H8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	326.9	54	



Overall Results for sample 9 : A9

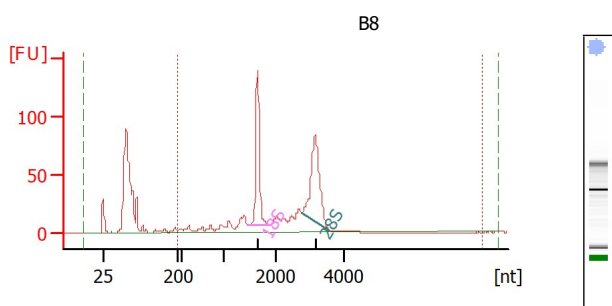
RNA Area: 1,675.0
 RNA Concentration: 7,933 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 8.2 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20
 Corr. Area 1: 998.1

Fragment table for sample 9 : A9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,892	237.8	14.2
28S	2,785	3,584	262.1	15.6

Region table for sample 9 : A9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	998.1	60	



Overall Results for sample 10 : B8

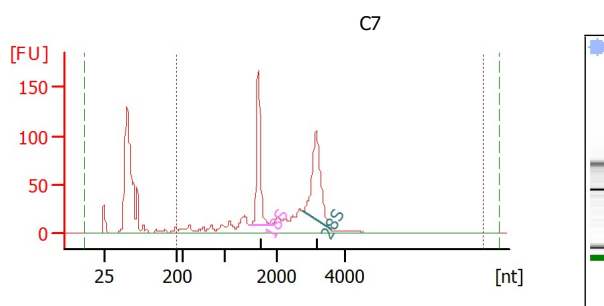
RNA Area: 1,073.2
 RNA Concentration: 5,083 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.4 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40
 Corr. Area 1: 686.4

Fragment table for sample 10 : B8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,874	159.4	14.9
28S	2,763	3,553	184.7	17.2

Region table for sample 10 : B8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	686.4	64	



Overall Results for sample 11 : C7

RNA Area: 1,433.3
 RNA Concentration: 6,788 pg/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 8.3 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30
 Corr. Area 1: 880.4

Fragment table for sample 11 : C7

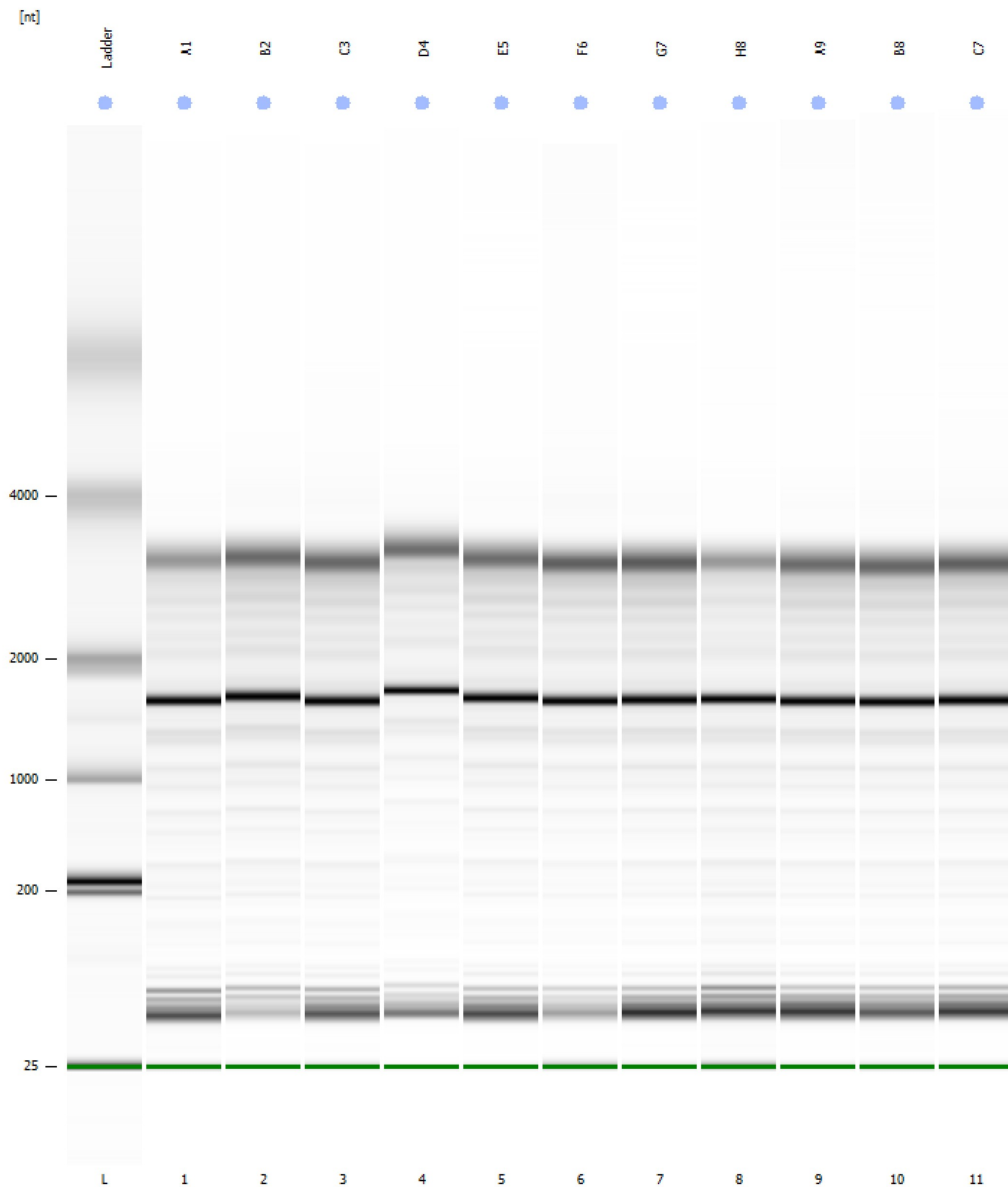
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,907	200.0	14.0
28S	2,788	3,580	228.0	15.9

Region table for sample 11 : C7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	880.4	61	

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
Modified: 7/25/2020 3:32:11 PM

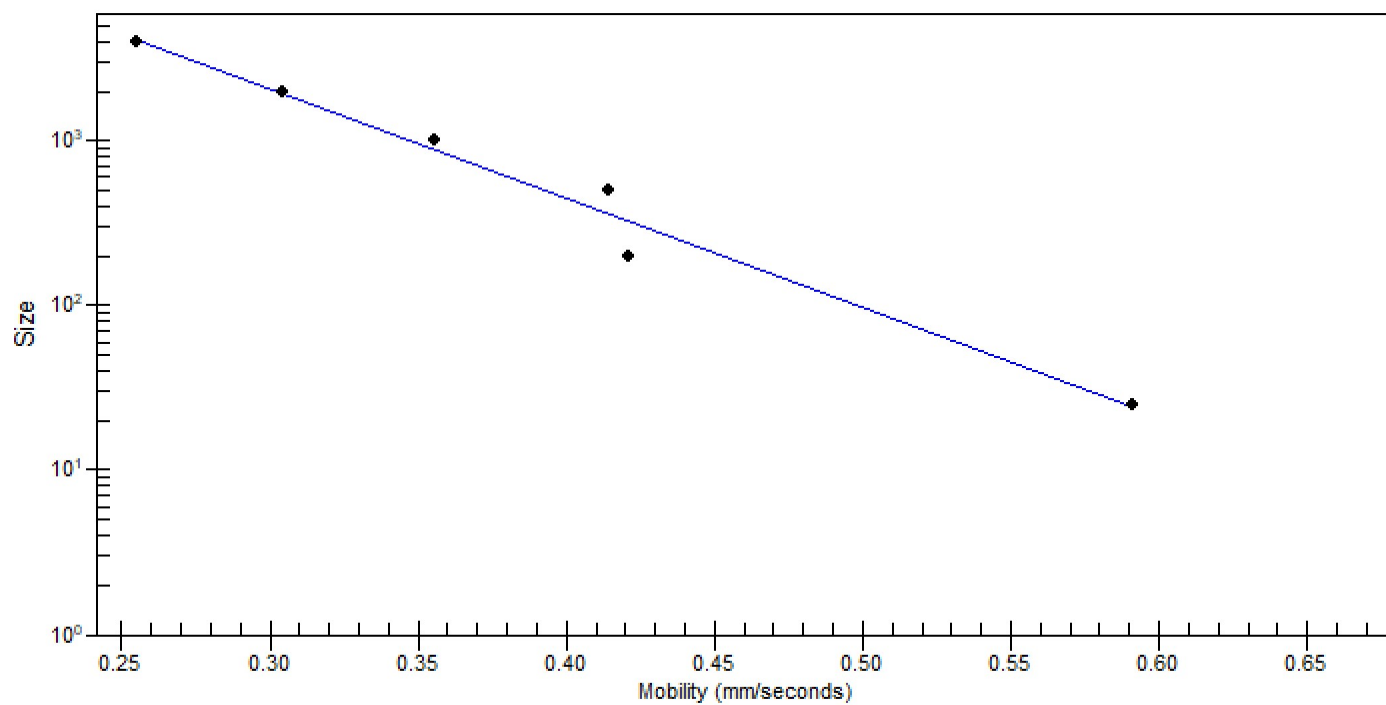
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
Modified: 7/25/2020 3:32:11 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad

Created: 7/25/2020 3:10:09 PM
 Modified: 7/25/2020 3:32:11 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		7/25/2020 3:32:10 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\2020-07-25\2100 expert_Eukaryote Total RNA Pico_DEDAE00858_2020-07-25_15-10-09.xad)		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Product Number : G2939B		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Name :		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Vendor : Agilent Technologies		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Serial# : DEDAE00858		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Firmware : C.01.069		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Cartridge : Electrode		Instrument	Run		7/25/2020 3:10:14 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG