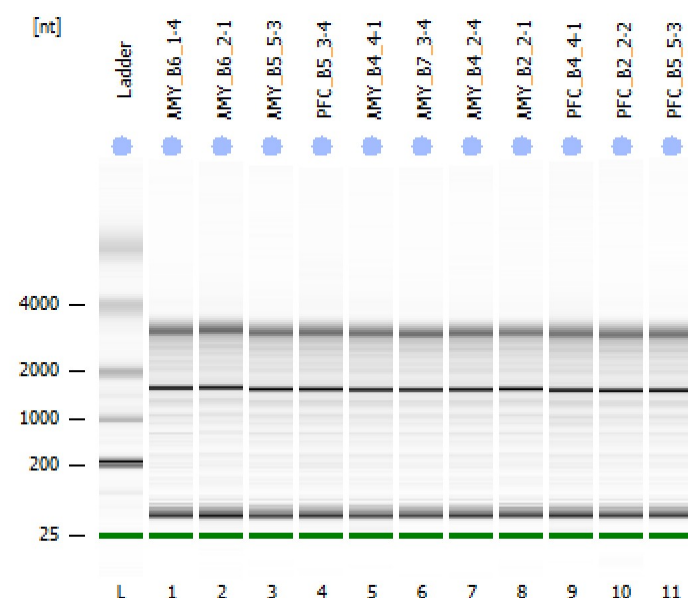


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
Modified: 3/30/2021 1:36:16 PM

Electrophoresis File Run Summary



Instrument Information:

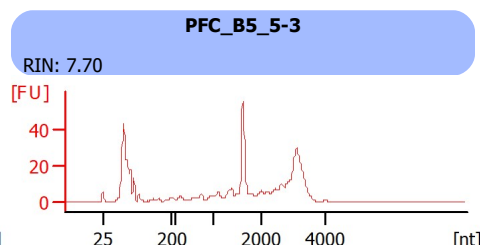
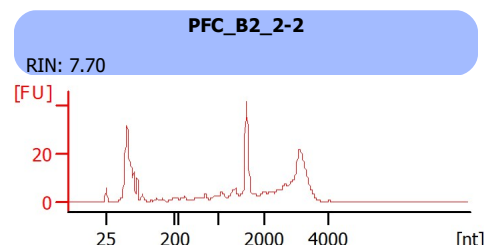
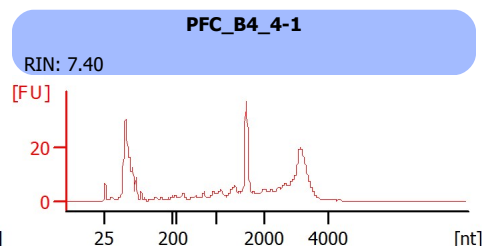
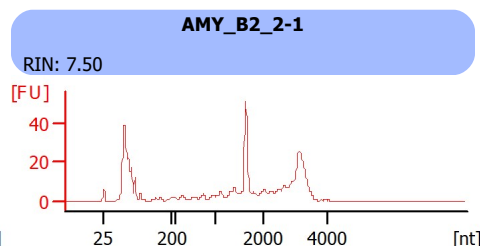
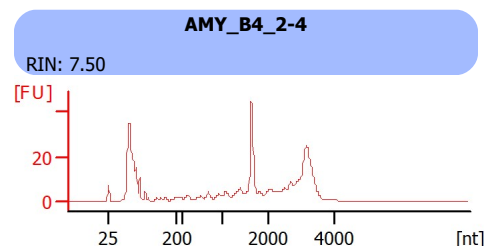
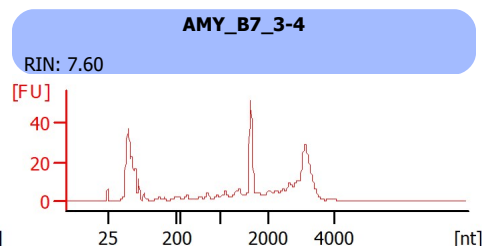
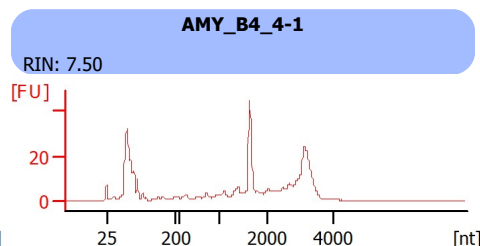
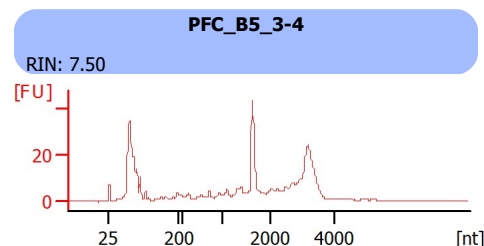
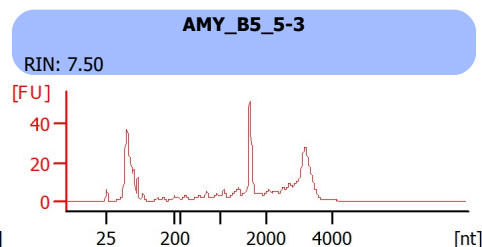
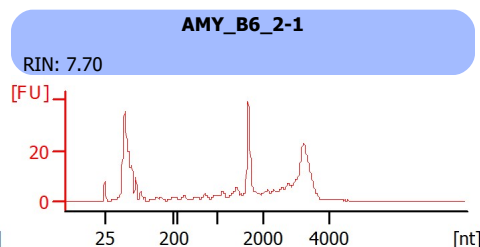
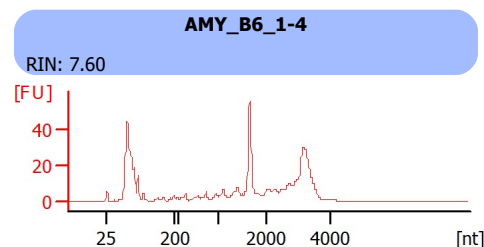
Instrument Name: DEDAE00858
Serial#: DEDAE00858
Firmware: C.01.069
Type: G2939B

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_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
Modified: 3/30/2021 1:36:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AMY_B6_1-4		✓	RIN: 7.60	
AMY_B6_2-1		✓	RIN: 7.70	
AMY_B5_5-3		✓	RIN: 7.50	
PFC_B5_3-4		✓	RIN: 7.50	
AMY_B4_4-1		✓	RIN: 7.50	
AMY_B7_3-4		✓	RIN: 7.60	
AMY_B4_2-4		✓	RIN: 7.50	
AMY_B2_2-1		✓	RIN: 7.50	
PFC_B4_4-1		✓	RIN: 7.40	
PFC_B2_2-2		✓	RIN: 7.70	
PFC_B5_5-3		✓	RIN: 7.70	
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_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
Modified: 3/30/2021 1:36:16 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

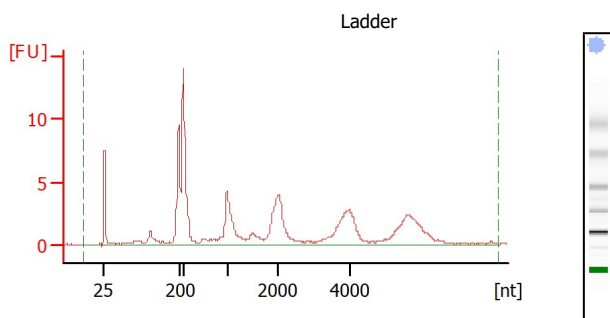
Ladder

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_2021-03-30_13-13-20.xad

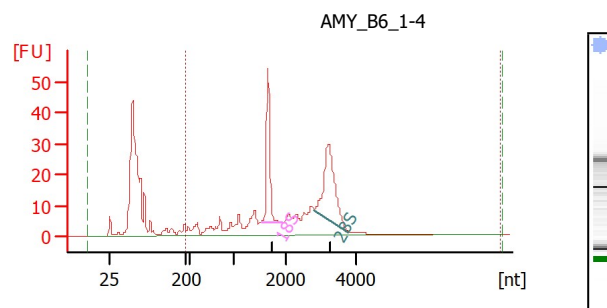
Created: 3/30/2021 1:13:20 PM
 Modified: 3/30/2021 1:36:16 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 108.4
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples



Overall Results for sample 1 : AMY_B6_1-4

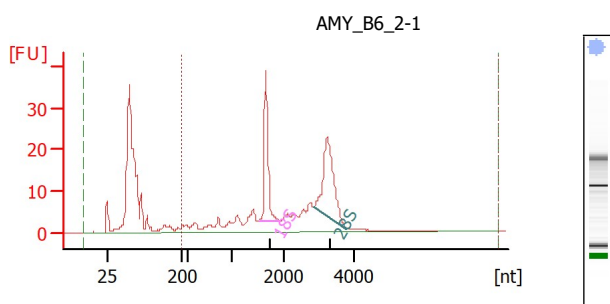
RNA Area: 561.1
 RNA Concentration: 5,174 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.6 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60
 Corr. Area 1: 343.6

Fragment table for sample 1 : AMY_B6_1-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	1,937	60.5	10.8
28S	2,816	3,760	74.3	13.2

Region table for sample 1 : AMY_B6_1-4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	343.6	61	



Overall Results for sample 2 : AMY_B6_2-1

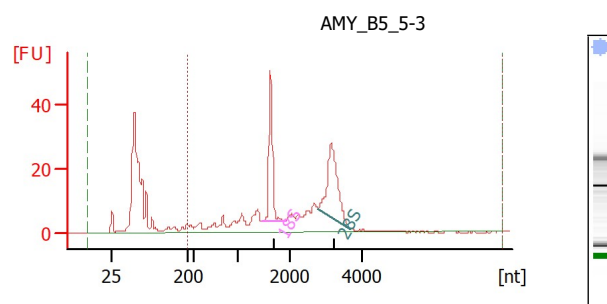
RNA Area: 409.4
 RNA Concentration: 3,775 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.7 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70
 Corr. Area 1: 239.9

Fragment table for sample 2 : AMY_B6_2-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	1,930	43.8	10.7
28S	2,849	3,777	56.6	13.8

Region table for sample 2 : AMY_B6_2-1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	239.9	59	



Overall Results for sample 3 : AMY_B5_5-3

RNA Area: 499.4
 RNA Concentration: 4,605 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50
 Corr. Area 1: 309.9

Fragment table for sample 3 : AMY_B5_5-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,924	55.2	11.0
28S	2,775	3,685	67.8	13.6

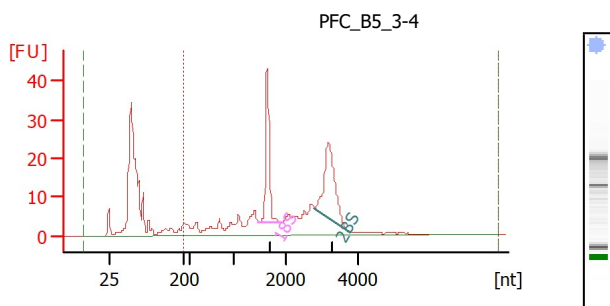
Region table for sample 3 : AMY_B5_5-3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	7,909	309.9	62	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
 Modified: 3/30/2021 1:36:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PFC B5 3-4

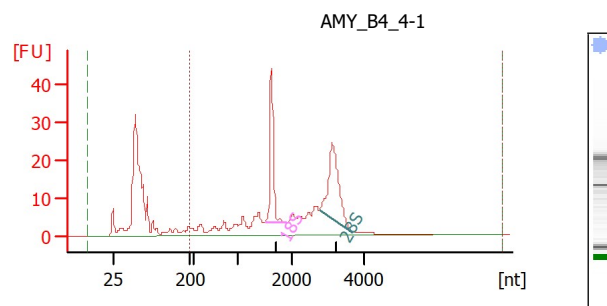
RNA Area: 453.9
 RNA Concentration: 4,186 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50
 Corr. Area 1: 281.7

Fragment table for sample 4 : PFC B5 3-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,463	1,909	47.8	10.5
28S	2,774	3,729	59.2	13.0

Region table for sample 4 : PFC B5 3-4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	7,873	281.7	62	



Overall Results for sample 5 : AMY B4 4-1

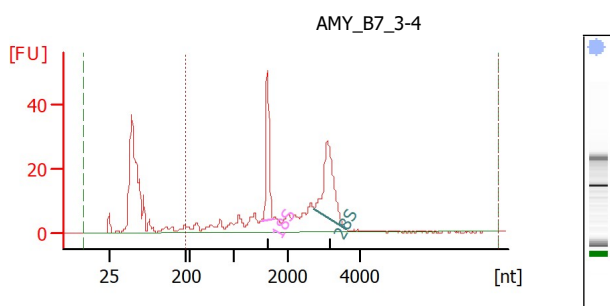
RNA Area: 440.4
 RNA Concentration: 4,061 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50
 Corr. Area 1: 273.9

Fragment table for sample 5 : AMY B4 4-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,901	46.1	10.5
28S	2,773	3,656	57.8	13.1

Region table for sample 5 : AMY B4 4-1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	7,838	273.9	62	



Overall Results for sample 6 : AMY B7 3-4

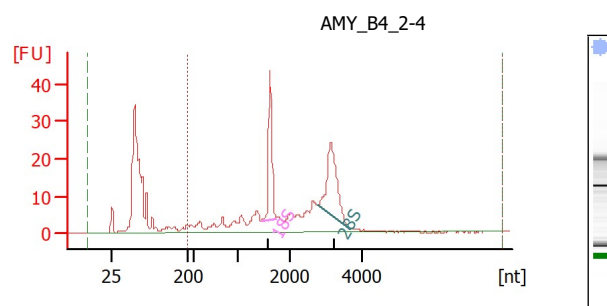
RNA Area: 472.3
 RNA Concentration: 4,355 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.6 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60
 Corr. Area 1: 290.5

Fragment table for sample 6 : AMY B7 3-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,727	50.0	10.6
28S	2,738	3,621	67.0	14.2

Region table for sample 6 : AMY B7 3-4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	7,838	290.5	61	



Overall Results for sample 7 : AMY B4 2-4

RNA Area: 430.1
 RNA Concentration: 3,966 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50
 Corr. Area 1: 264.3

Fragment table for sample 7 : AMY B4 2-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,733	44.1	10.2
28S	2,764	3,650	57.2	13.3

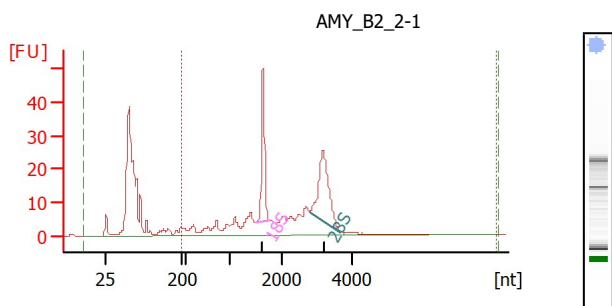
Region table for sample 7 : AMY B4 2-4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	7,909	264.3	61	

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
 Modified: 3/30/2021 1:36:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AMY B2 2-1

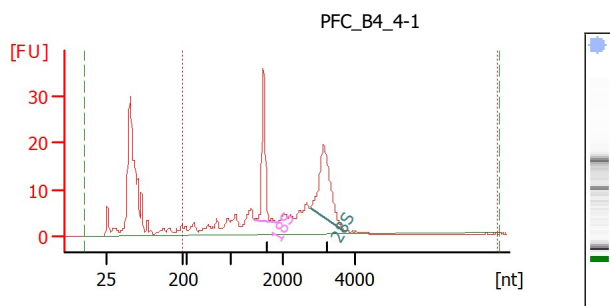
RNA Area: 481.5
 RNA Concentration: 4,440 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.5 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50
 Corr. Area 1: 295.7

Fragment table for sample 8 : AMY B2 2-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,752	50.4	10.5
28S	2,769	3,654	61.3	12.7

Region table for sample 8 : AMY B2 2-1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	295.7	61	



Overall Results for sample 9 : PFC B4 4-1

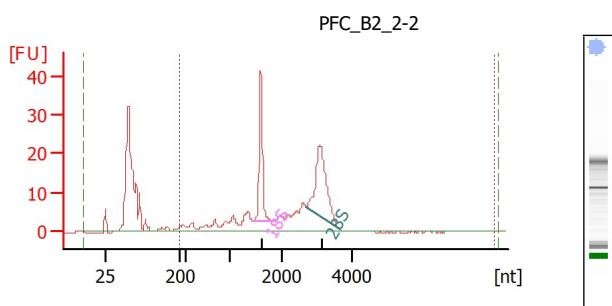
RNA Area: 382.2
 RNA Concentration: 3,524 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.4 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.40
 Corr. Area 1: 235.1

Fragment table for sample 9 : PFC B4 4-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,439	1,889	39.5	10.3
28S	2,744	3,686	48.4	12.7

Region table for sample 9 : PFC B4 4-1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	235.1	61	



Overall Results for sample 10 : PFC B2 2-2

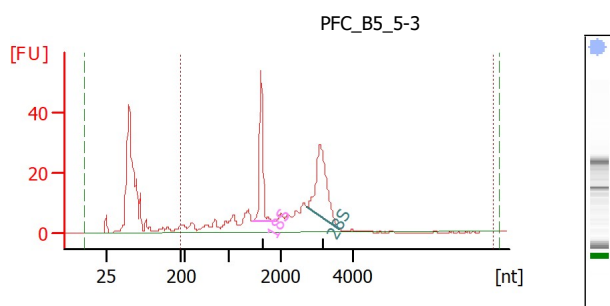
RNA Area: 374.7
 RNA Concentration: 3,455 pg/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.7 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70
 Corr. Area 1: 235.7

Fragment table for sample 10 : PFC B2 2-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,444	1,856	45.4	12.1
28S	2,711	3,657	57.6	15.4

Region table for sample 10 : PFC B2 2-2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	235.7	63	



Overall Results for sample 11 : PFC B5 5-3

RNA Area: 526.0
 RNA Concentration: 4,850 pg/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 7.7 (B.02.10)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70
 Corr. Area 1: 327.5

Fragment table for sample 11 : PFC B5 5-3

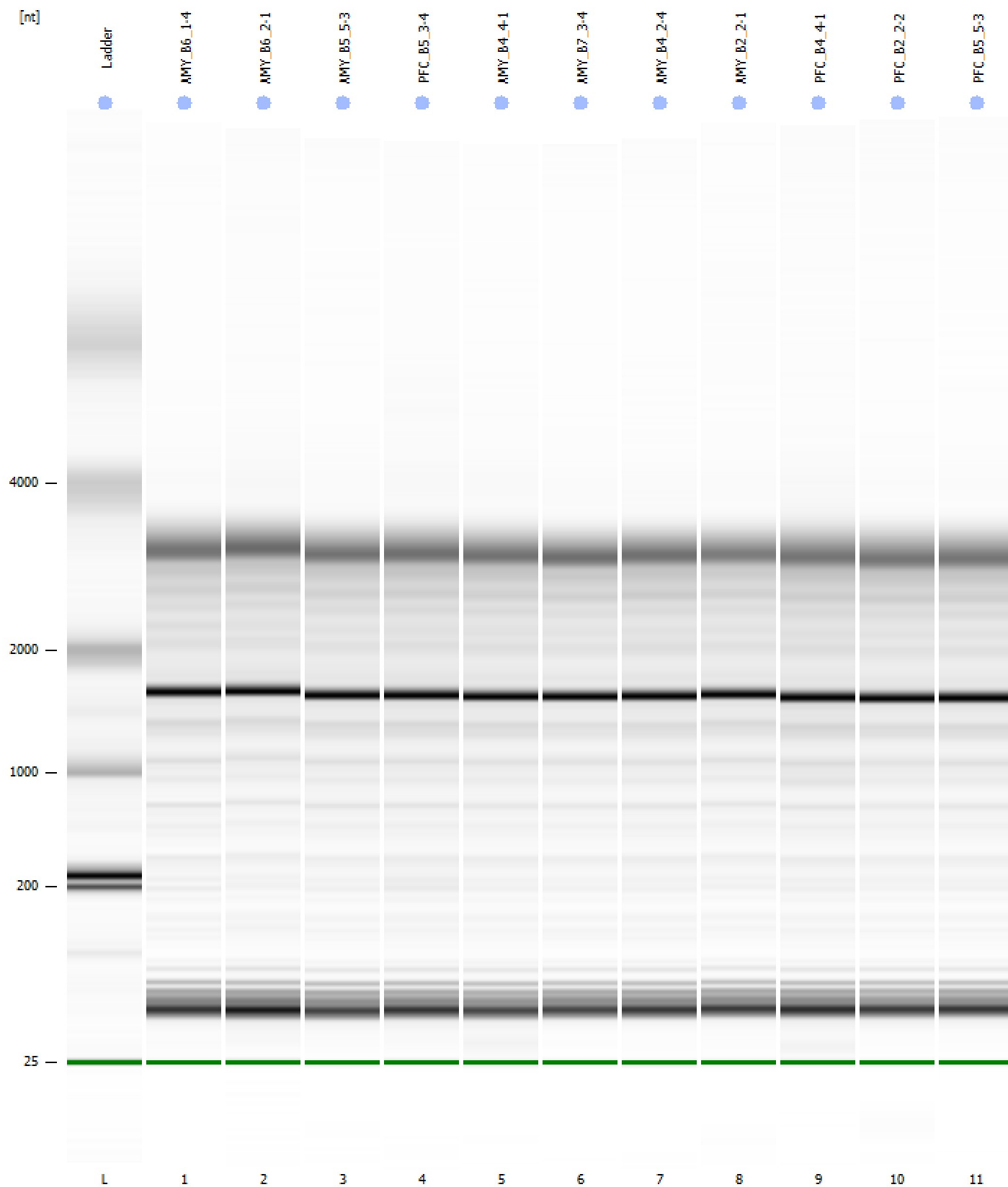
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,442	1,879	60.5	11.5
28S	2,736	3,648	74.1	14.1

Region table for sample 11 : PFC B5 5-3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	327.5	62	

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
Modified: 3/30/2021 1:36:16 PM

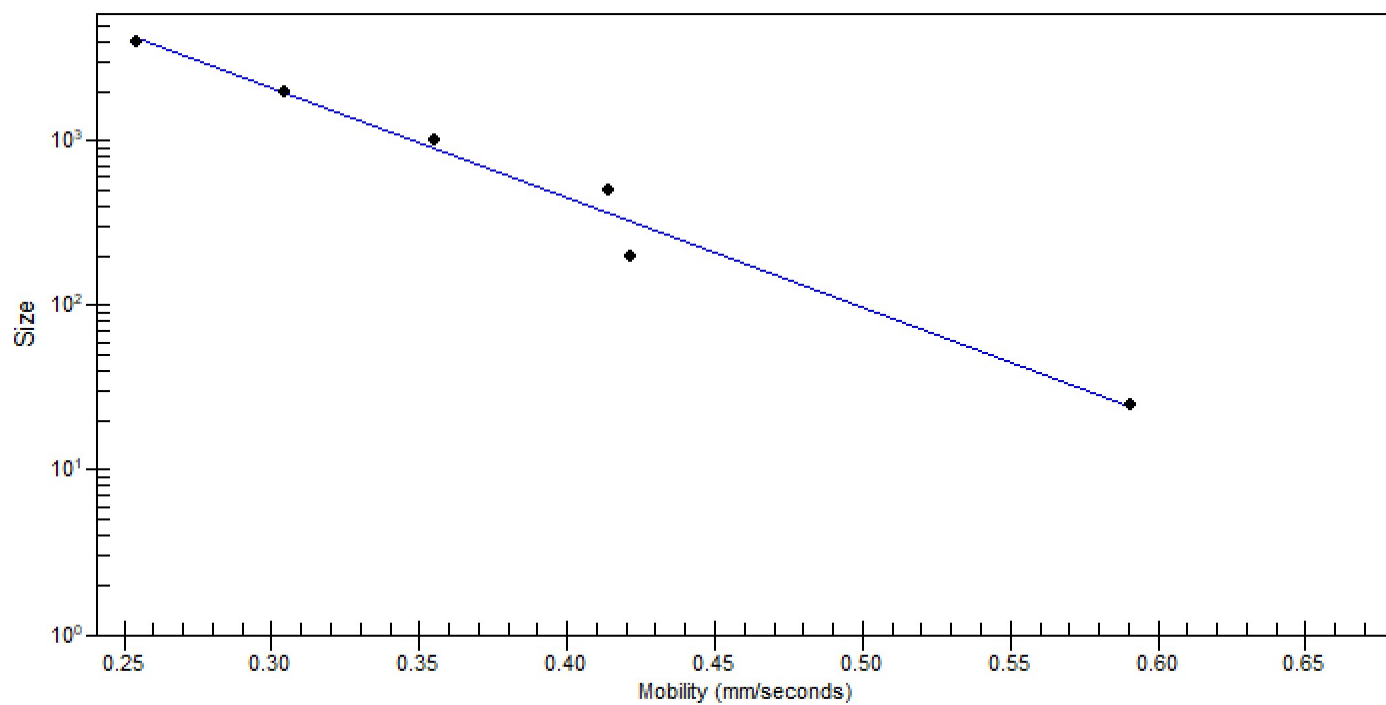
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad

Created: 3/30/2021 1:13:20 PM
Modified: 3/30/2021 1:36:16 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 3/30/2021 1:13:20 PM
 Data Path: C:\...Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad Modified: 3/30/2021 1:36:16 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		3/30/2021 1:36:15 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\2021-03-30\2100 expert_Eukaryote Total RNA Pico_DEDAE00858_2021-03-30_13-13-20.xad)		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Product Number : G2939B		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Name :		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Vendor : Agilent Technologies		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Serial# : DEDAE00858		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Firmware : C.01.069		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG
Cartridge : Electrode		Instrument	Run		3/30/2021 1:13:26 PM	(GMT --05:00) Central Standard Time	admin	DESKTOP-PJJE2 CG