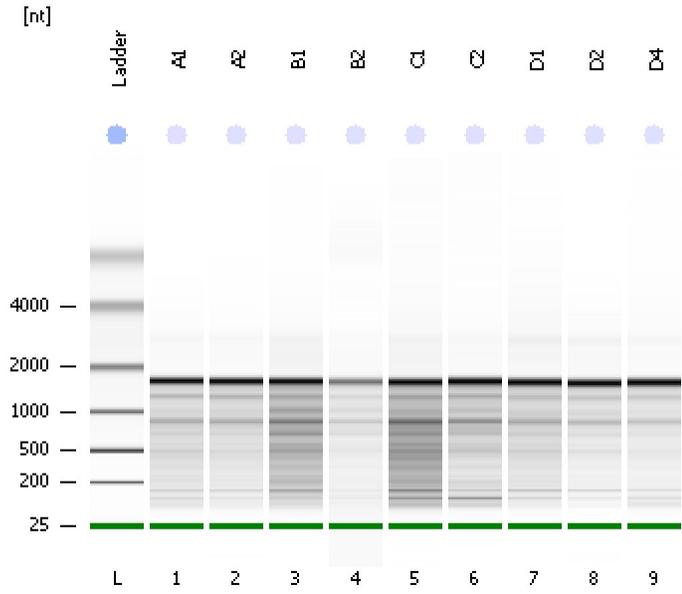


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
Modified: 6/24/2019 11:34:55 AM

Electrophoresis File Run Summary



Instrument Information:

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

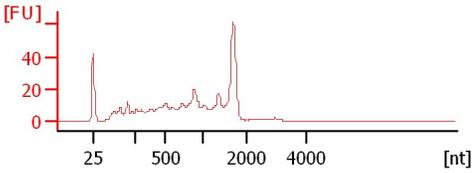
Assay Information:

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)
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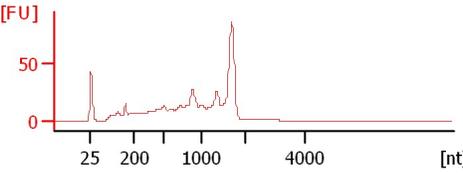
Chip Information:

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

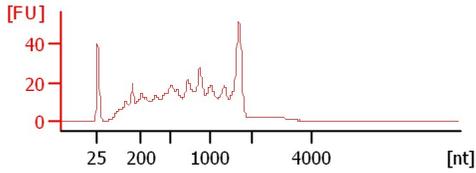
A1
RIN: 6.10



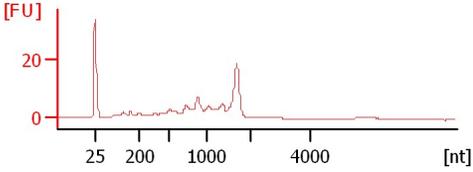
A2
RIN: 6



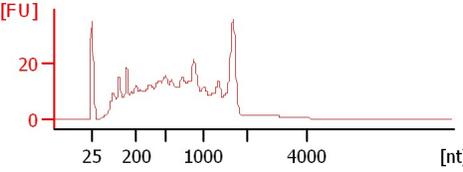
B1
RIN: 5.50



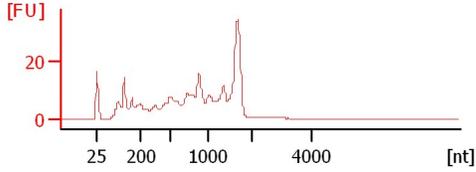
B2
RIN: 6.80



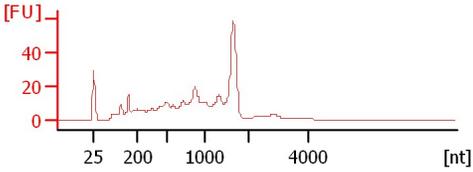
C1
RIN: 5.40



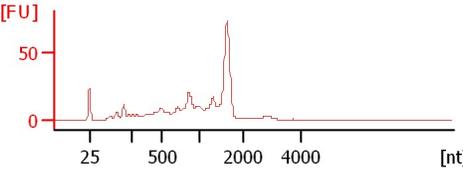
C2
RIN: 5.80



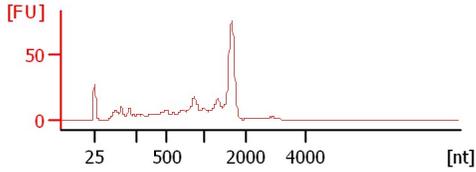
D1
RIN: 6



D2
RIN: 6.20



D4
RIN: 6.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 6.10	
A2		✓	RIN:6	
B1		✓	RIN: 5.50	
B2		✓	RIN: 6.80	
C1		✓	RIN: 5.40	
C2		✓	RIN: 5.80	
D1		✓	RIN:6	
D2		✓	RIN: 6.20	
D4		✓	RIN: 6.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
Modified: 6/24/2019 11:34:55 AM

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

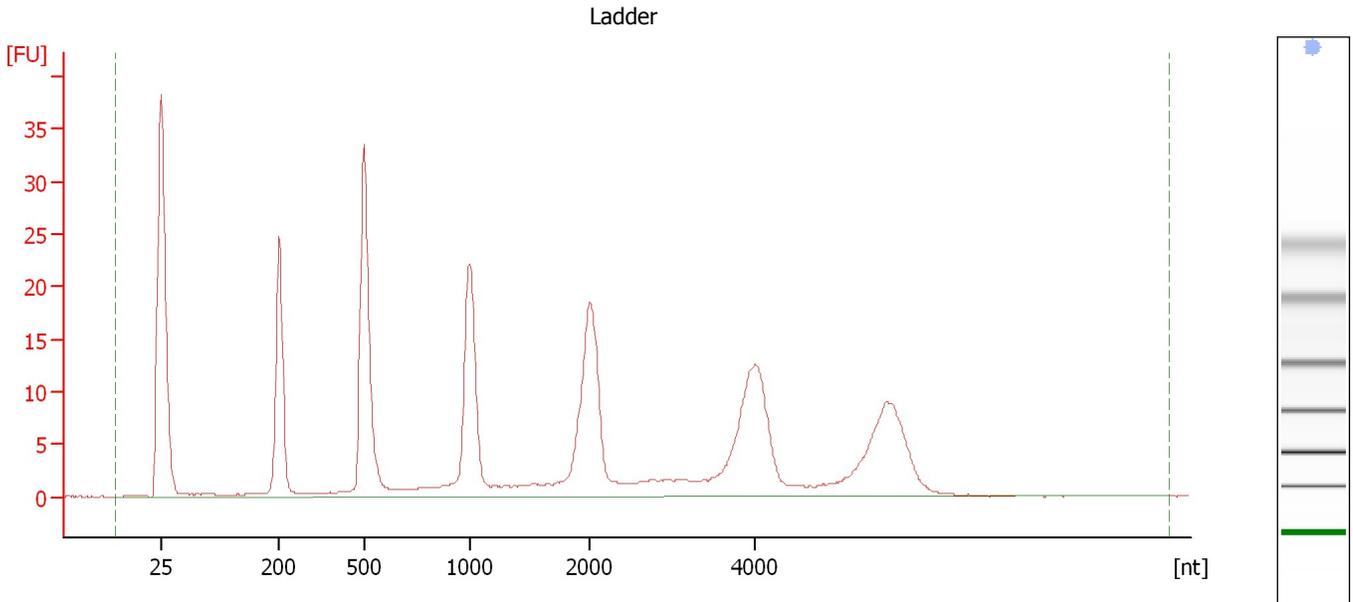
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary



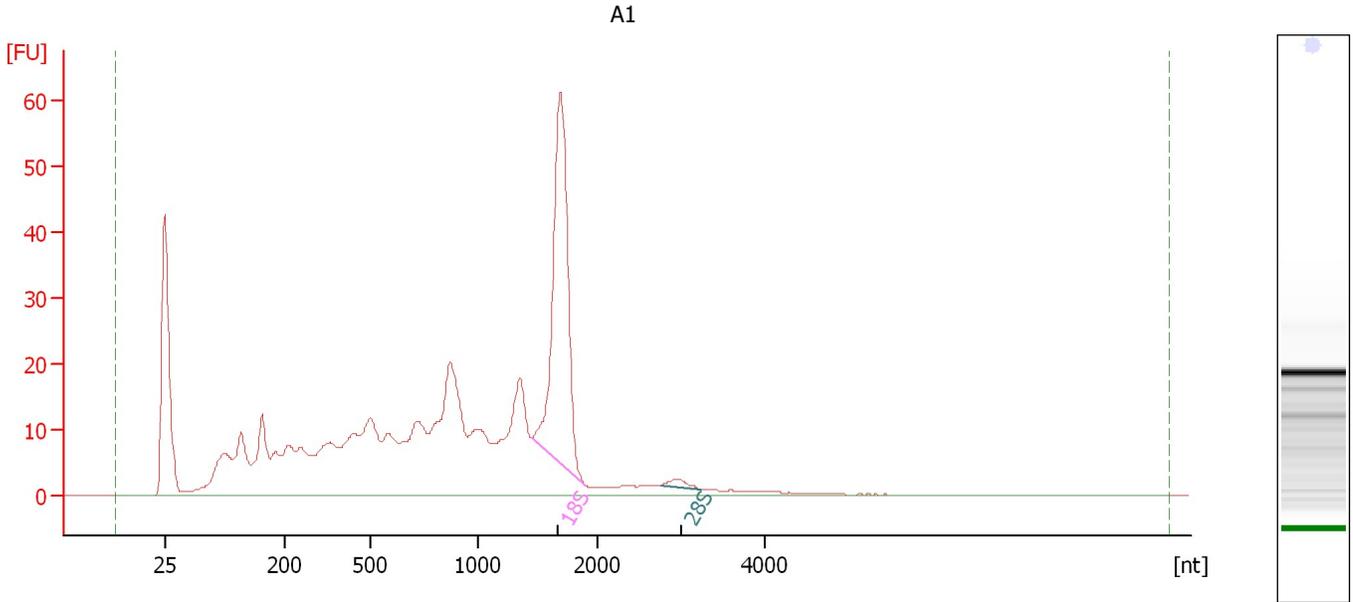
Overall Results for Ladder

RNA Area:	290.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1

RNA Area:	603.2	RNA Integrity Number (RIN):	6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,073 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

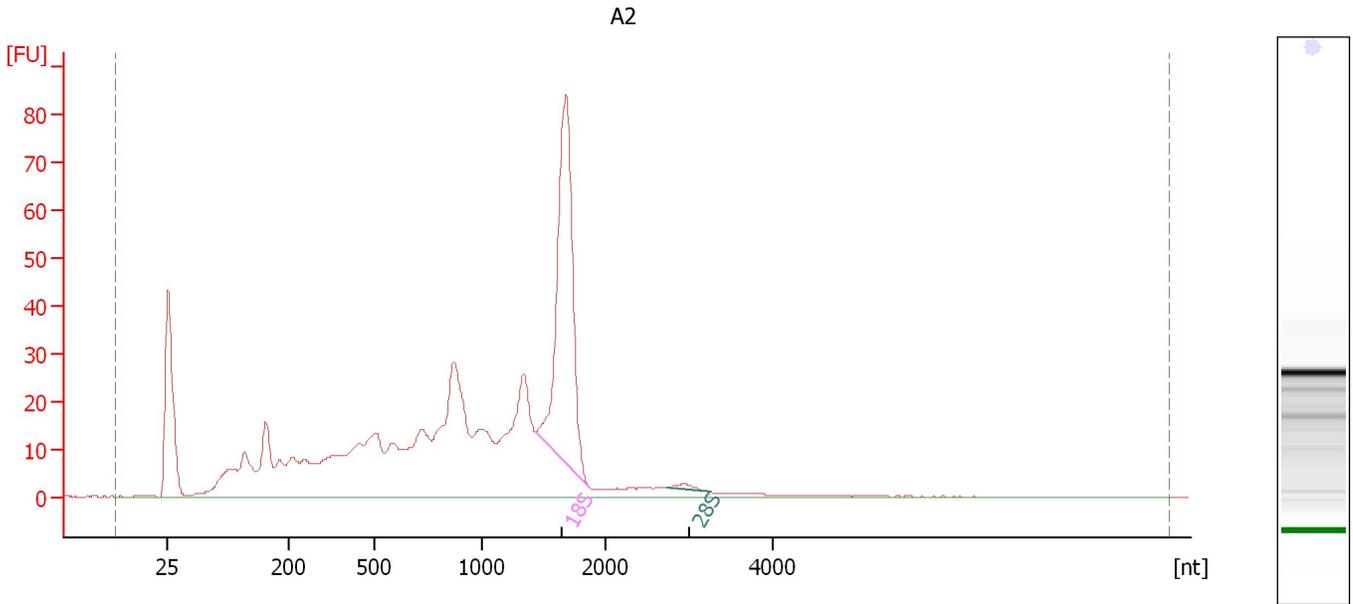
Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,449	1,888	111.8	18.5
28S	2,757	3,243	2.4	0.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A2

RNA Area:	769.7	RNA Integrity Number (RIN):	6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,645 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

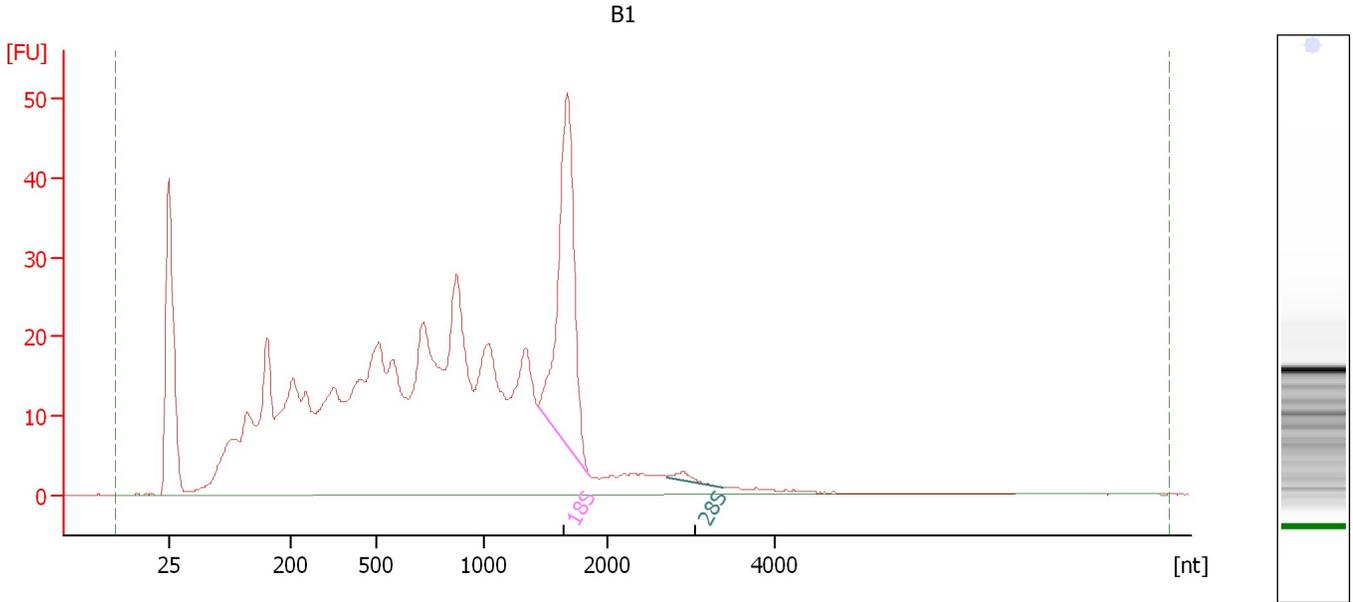
Fragment table for sample 2 : A2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,437	1,873	157.1	20.4
28S	2,754	3,262	2.5	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : B1

RNA Area:	836.4	RNA Integrity Number (RIN):	5.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,875 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.50

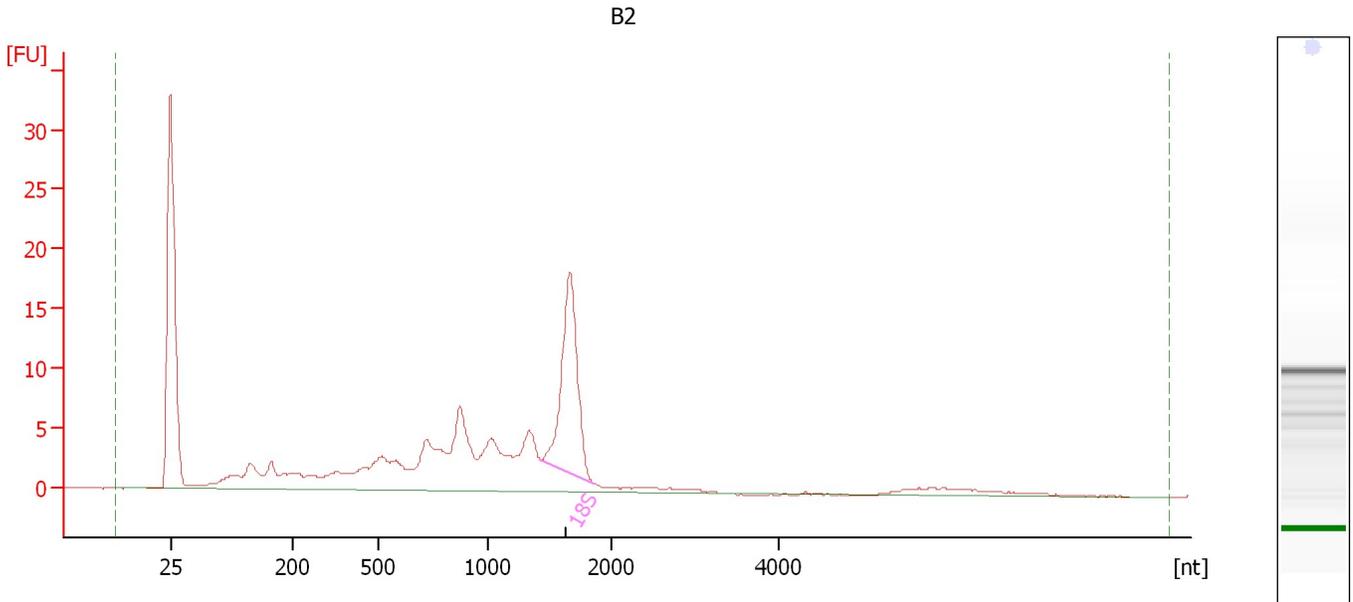
Fragment table for sample 3 : B1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	1,856	94.5	11.3
28S	2,716	3,374	1.9	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B2

RNA Area:	168.0	RNA Integrity Number (RIN):	6.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	577 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

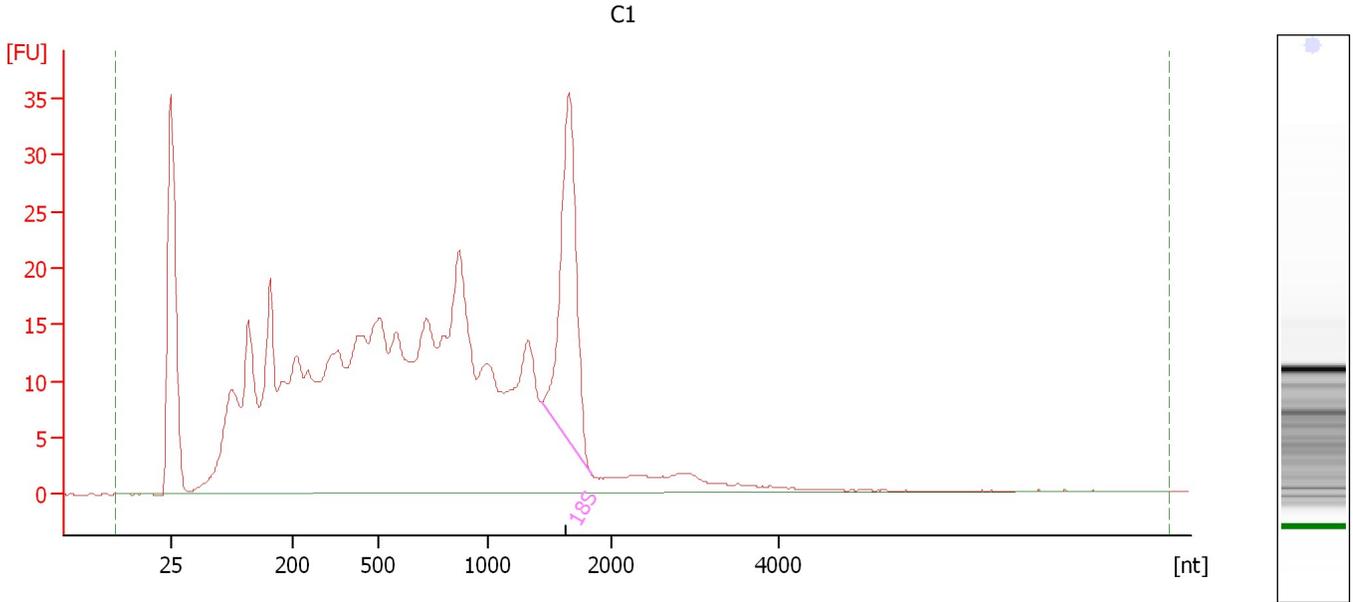
Fragment table for sample 4 : B2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,867	34.8	20.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C1

RNA Area:	690.2	RNA Integrity Number (RIN):	5.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,372 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.40

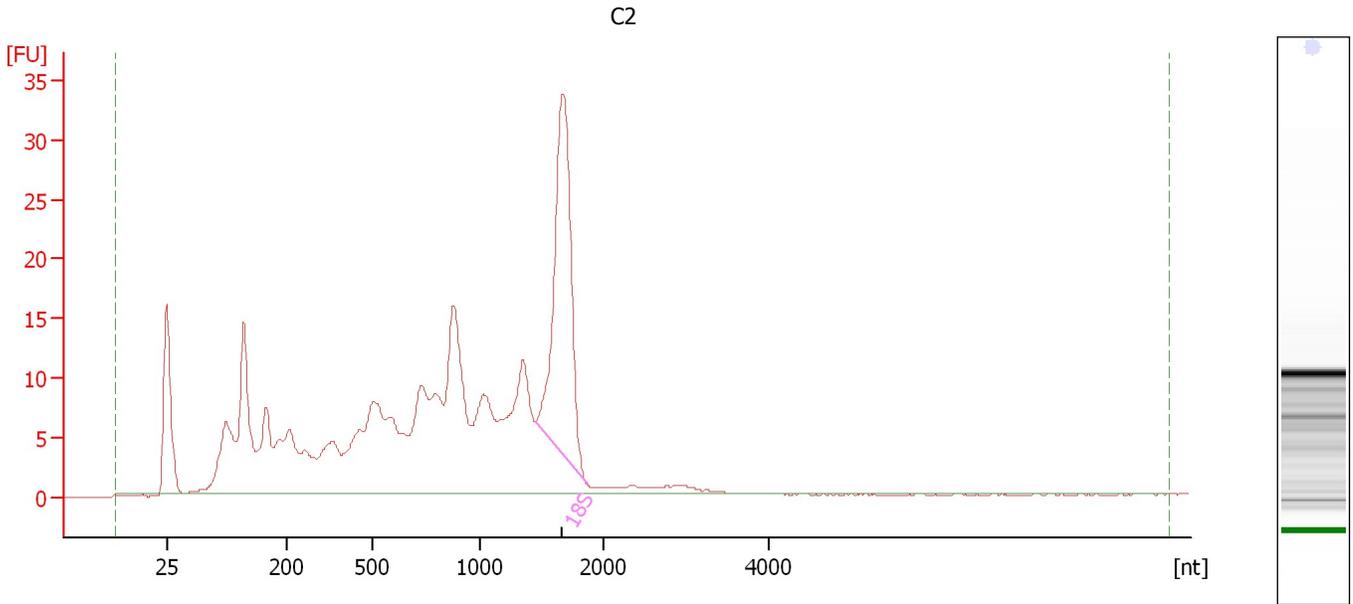
Fragment table for sample 5 : C1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,434	1,841	63.9	9.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C2

RNA Area:	399.1	RNA Integrity Number (RIN):	5.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,372 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.80

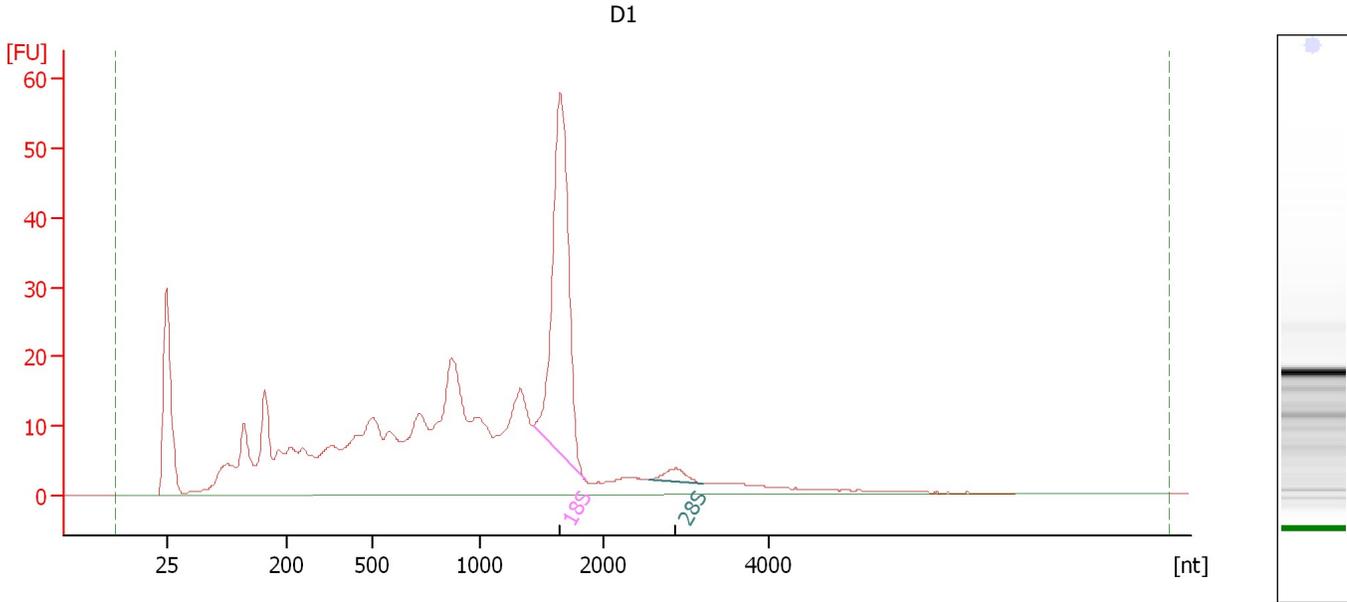
Fragment table for sample 6 : C2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,444	1,872	68.4	17.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : D1

RNA Area:	609.5	RNA Integrity Number (RIN):	6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,095 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

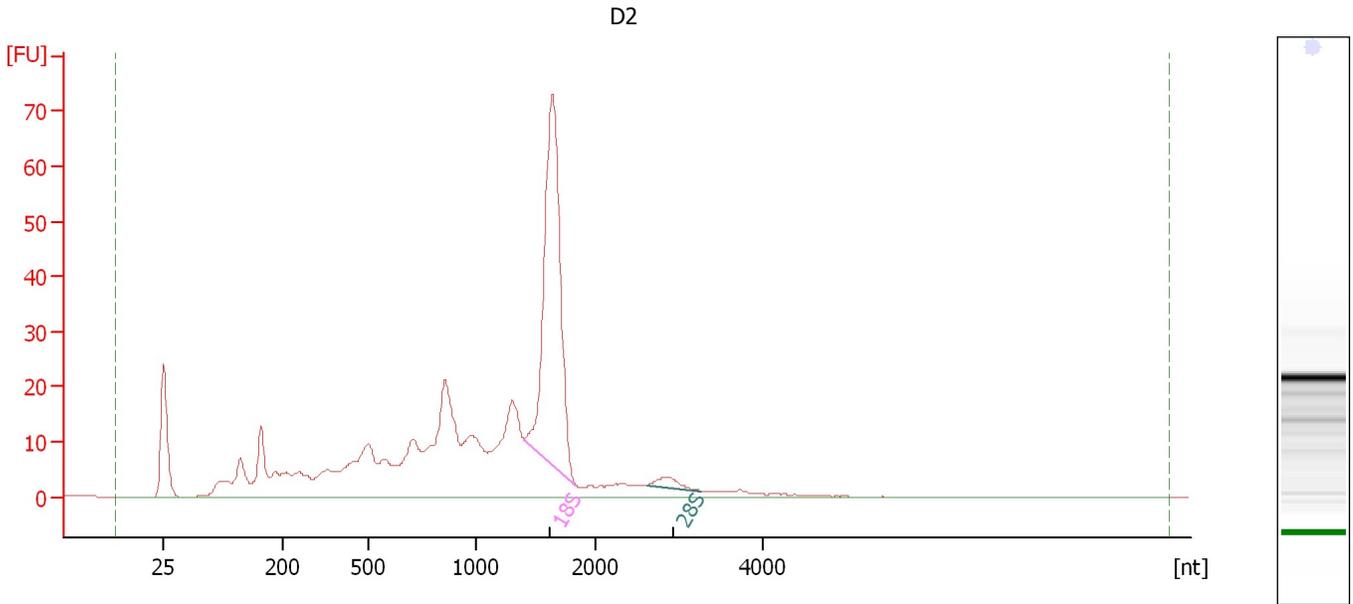
Fragment table for sample 7 : D1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,427	1,855	112.1	18.4
28S	2,564	3,213	4.7	0.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : D2

RNA Area:	568.2	RNA Integrity Number (RIN):	6.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,953 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.20

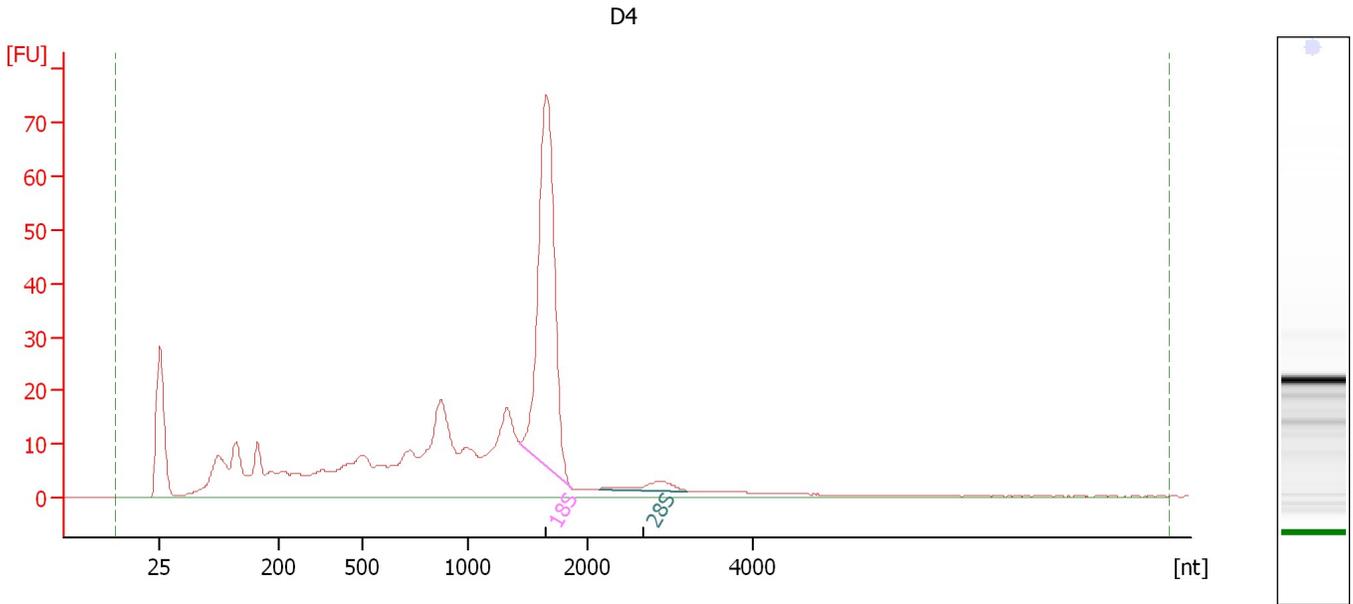
Fragment table for sample 8 : D2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,834	144.7	25.5
28S	2,604	3,258	4.9	0.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : D4

RNA Area:	581.1	RNA Integrity Number (RIN):	6.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,997 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

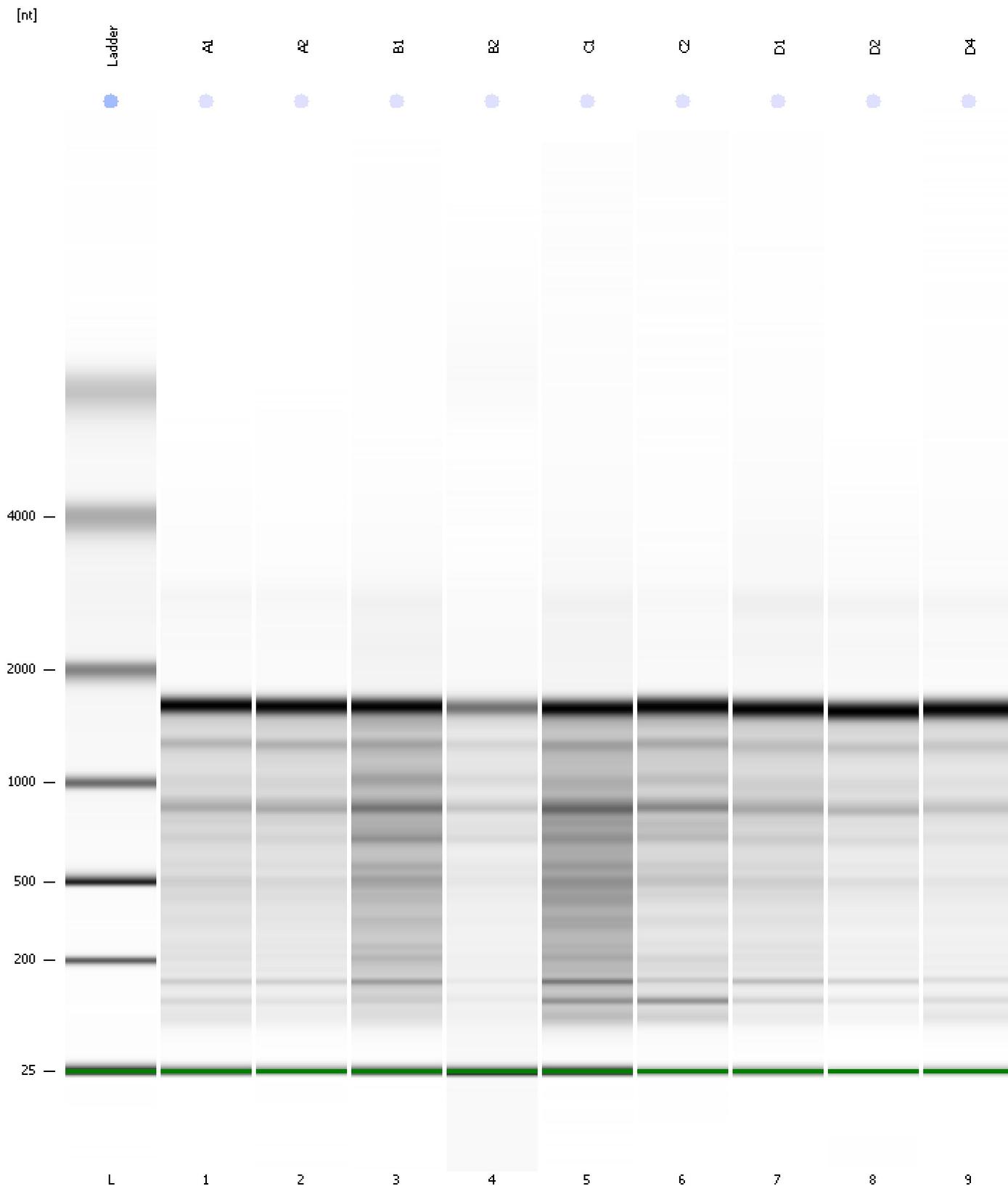
Fragment table for sample 9 : D4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	1,857	153.6	26.4
28S	2,141	3,214	6.0	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
Modified: 6/24/2019 11:34:55 AM

Gel Image

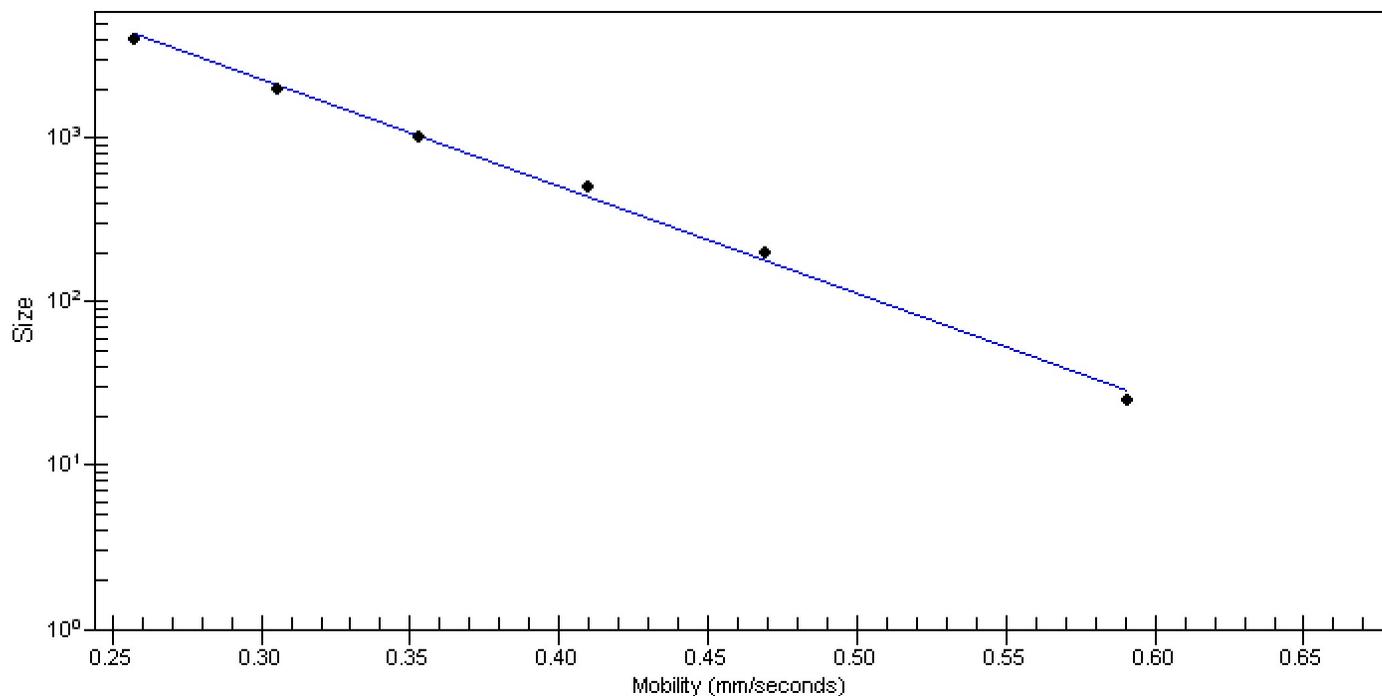


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
Modified: 6/24/2019 11:34:55 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...rt\data\2019-06-24\2019-06-24_001_HiSeq1803_RNA_Cleaned.xad

Created: 6/24/2019 11:04:11 AM
 Modified: 6/24/2019 11:34:55 AM

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		6/24/2019 11:27:05 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-06-24\2019-06-24_001.xad)		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/24/2019 11:04:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1