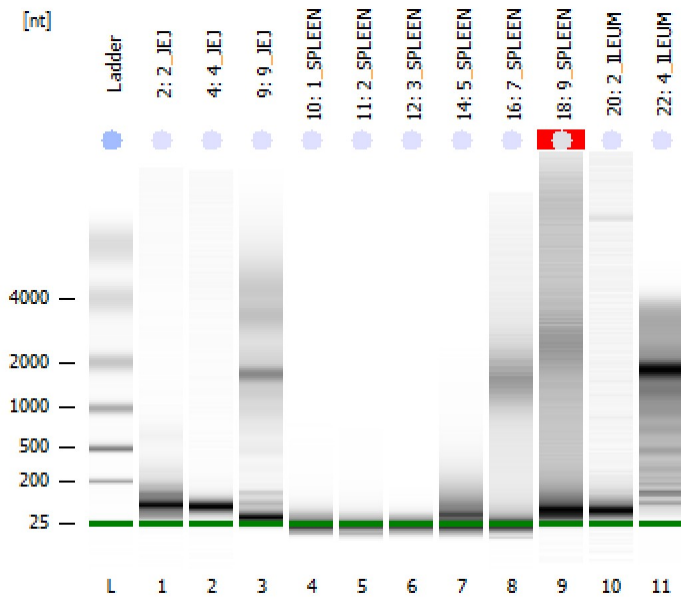


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electrophoresis File Run Summary



Instrument Information:

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

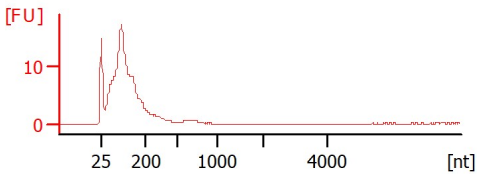
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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.

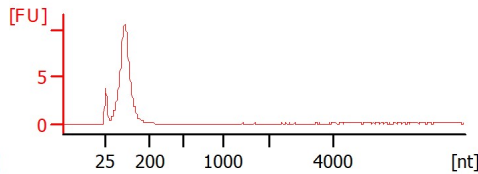
Chip Information:

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

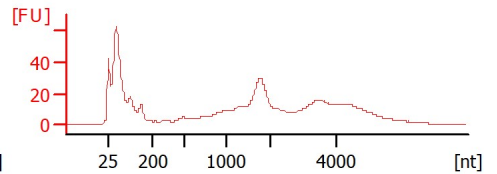
2: 2_JEJ
NOVA0873
RIN: 2.50



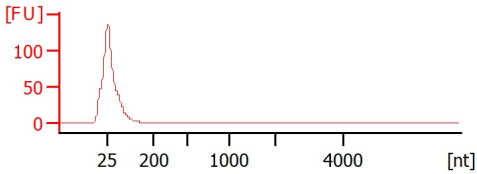
4: 4_JEJ
NOVA0873
RIN: 2.60



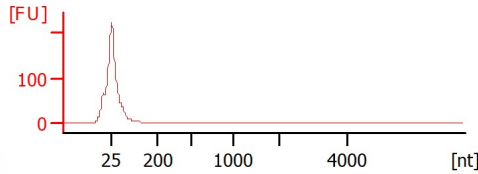
9: 9_JEJ
NOVA0873
RIN: 5.10



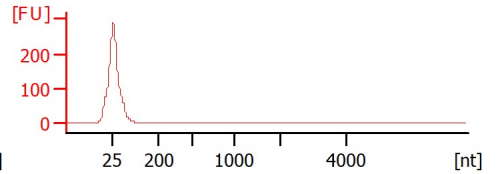
10: 1_SPLEEN
NOVA0873
RIN: 2.10



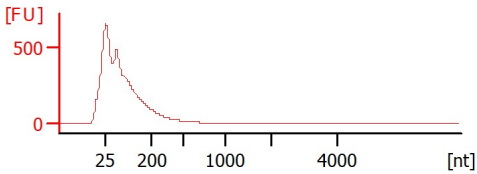
11: 2_SPLEEN
NOVA0873
RIN: 1.60



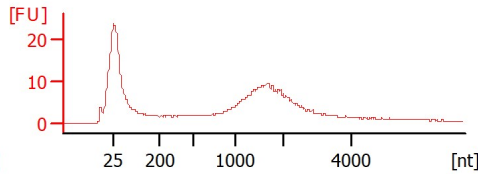
12: 3_SPLEEN
NOVA0873
RIN: 2.50



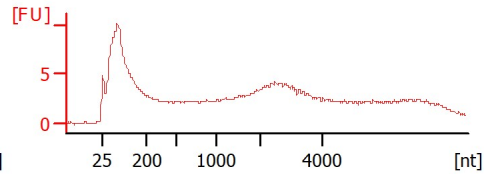
14: 5_SPLEEN
NOVA0873
RIN: 2.50



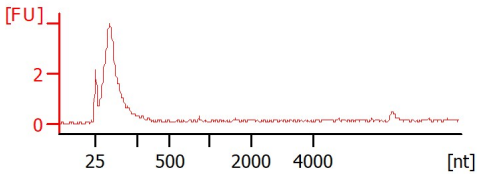
16: 7_SPLEEN
NOVA0873
RIN: 3



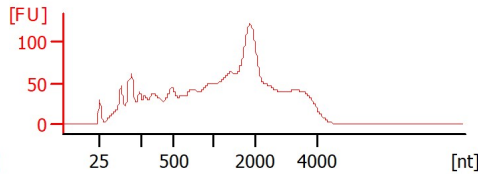
18: 9_SPLEEN
NOVA0873
RIN N/A



20: 2_ILEUM
NOVA0873
RIN: 2.50



22: 4_ILEUM
NOVA0873
RIN: 5.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Labels	Result Color
2: 2_JEJ	NOVA0873	✓	RIN: 2.50	
4: 4_JEJ	NOVA0873	✓	RIN: 2.60	
9: 9_JEJ	NOVA0873	✓	RIN: 5.10	
10: 1_SPLEEN	NOVA0873	✓	RIN: 2.10	
11: 2_SPLEEN	NOVA0873	✓	RIN: 1.60	
12: 3_SPLEEN	NOVA0873	✓	RIN: 2.50	
14: 5_SPLEEN	NOVA0873	✓	RIN: 2.50	
16: 7_SPLEEN	NOVA0873	✓	RIN:3	
18: 9_SPLEEN	NOVA0873	✓	RIN N/A	
20: 2_ILEUM	NOVA0873	✓	RIN: 2.50	
22: 4_ILEUM	NOVA0873	✓	RIN: 5.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

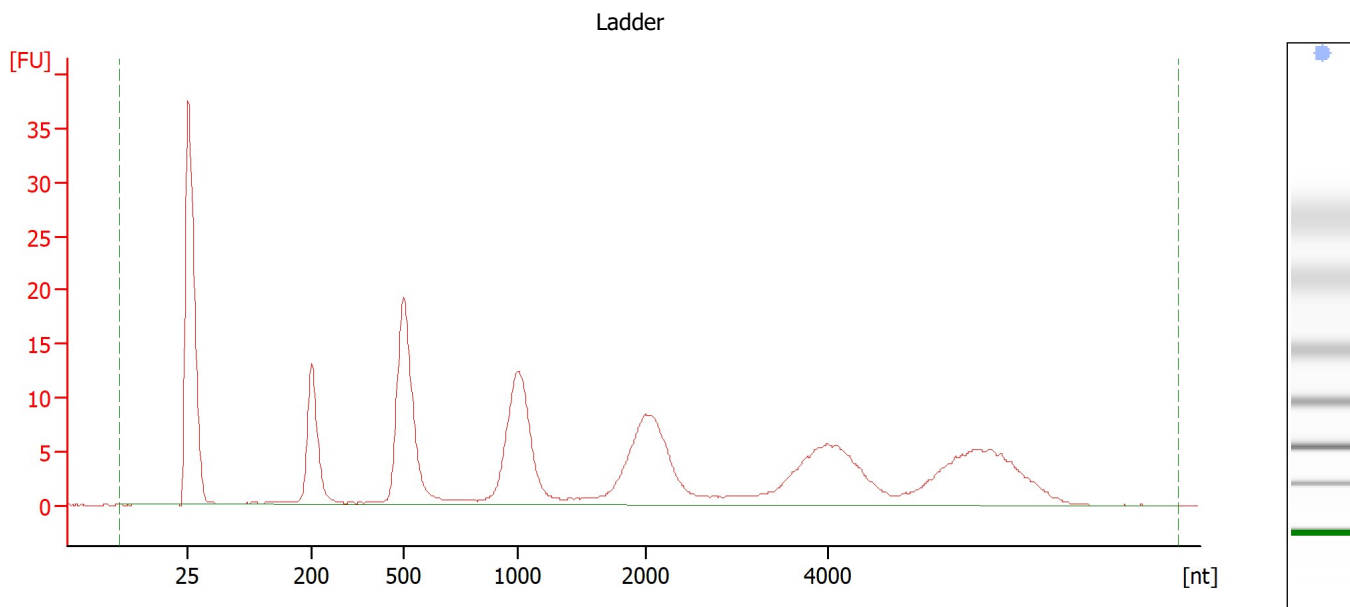
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary



Overall Results for Ladder

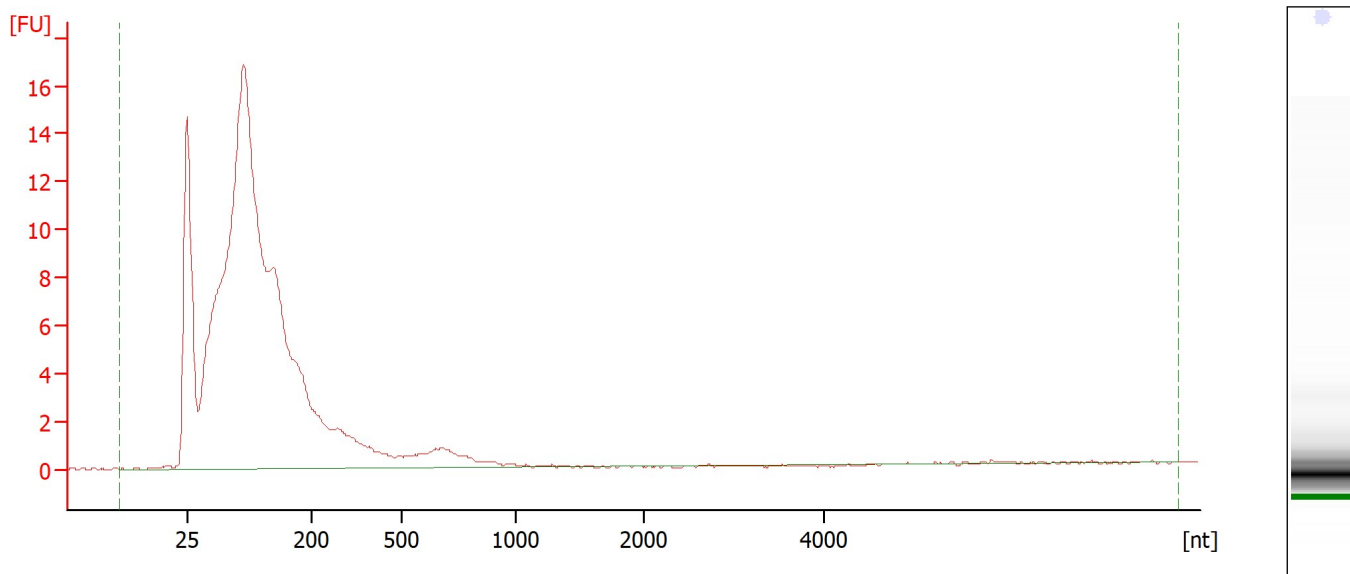
RNA Area:	256.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

2: 2_JEJ [NOVA0873]



Overall Results for sample 1 : 2: 2 JEJ

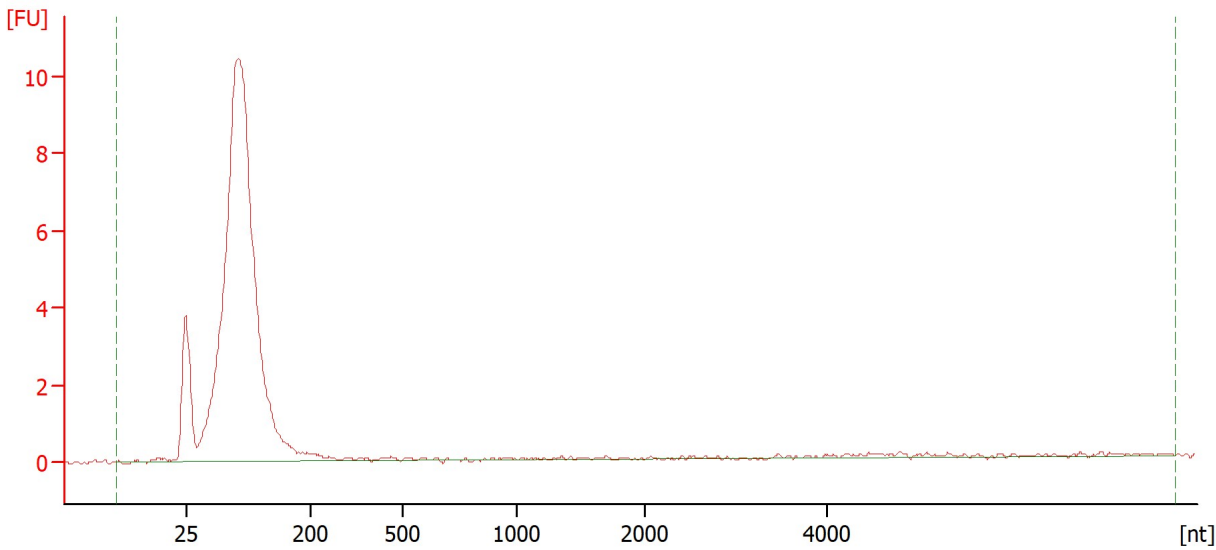
RNA Area:	189.2	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	738 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

4: 4_JEJ [NOVA0873]



Overall Results for sample 2 : 4: 4 JEJ

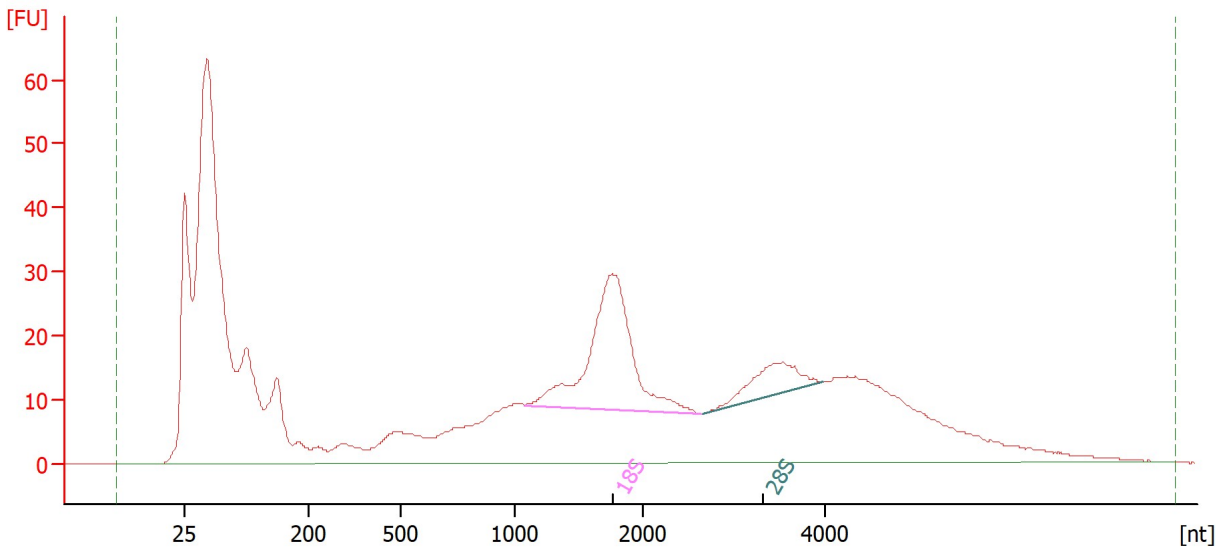
RNA Area:	69.9	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	273 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

9: 9_JEJ [NOVA0873]



Overall Results for sample 3 : 9: 9 JEJ

RNA Area:	1,137.3	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	4,439 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.10

Fragment table for sample 3 : 9: 9 JEJ

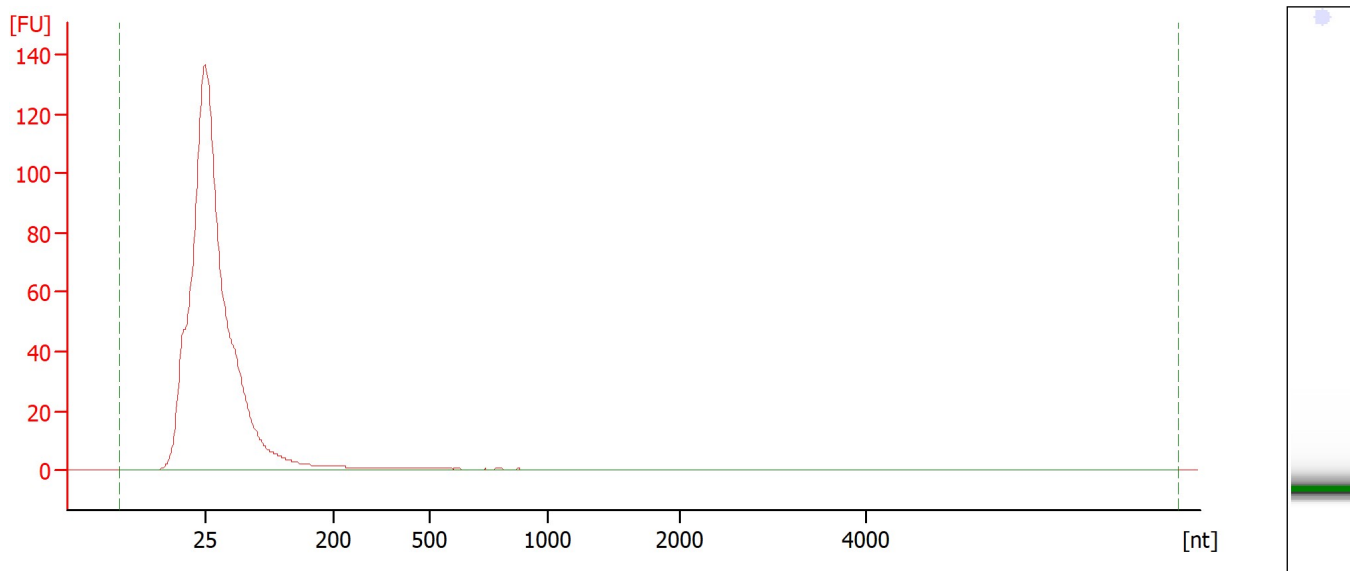
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,075	2,635	114.1	10.0
28S	2,670	3,988	26.2	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

10: 1_SPLEEN [NOVA0873]



Overall Results for sample 4 : 10: 1_SPLEEN

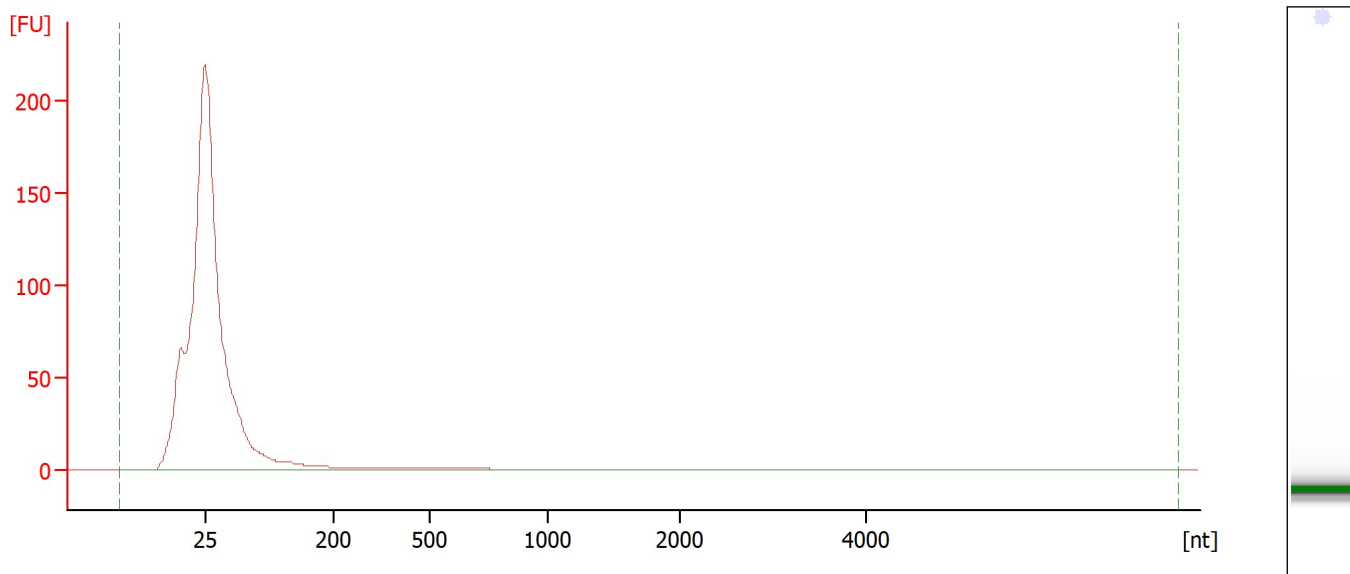
RNA Area:	22.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	86 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

11: 2_SPLEEN [NOVA0873]



Overall Results for sample 5 : 11: 2_SPLEEN

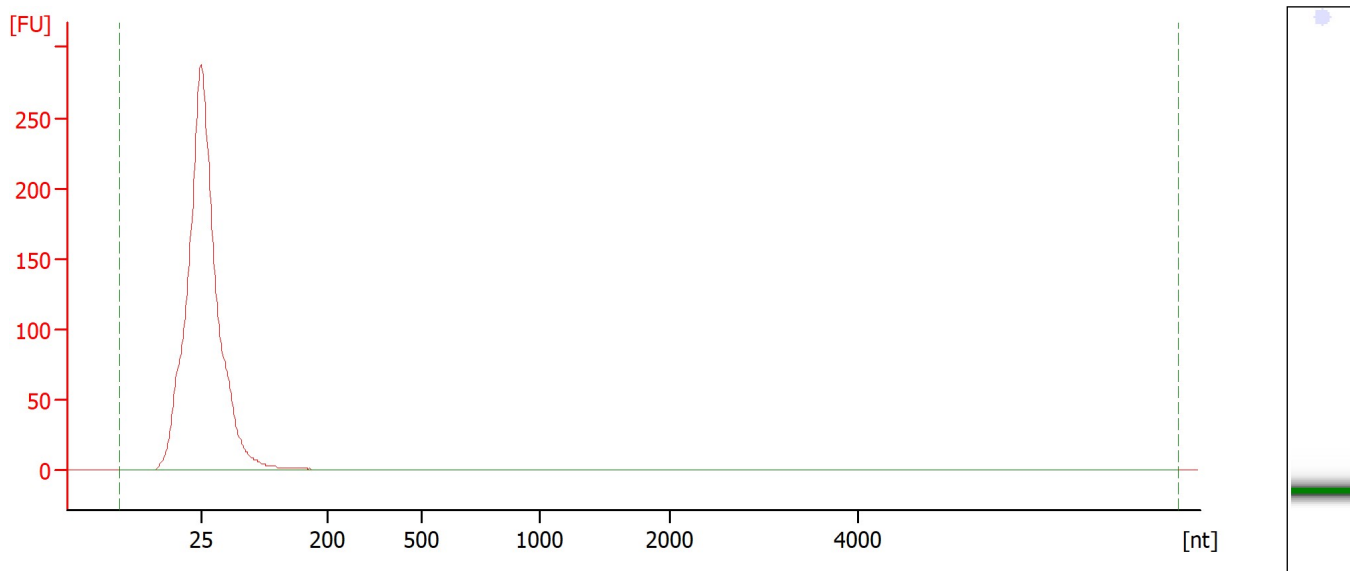
RNA Area:	42.3	RNA Integrity Number (RIN):	1.6 (B.02.10)
RNA Concentration:	165 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

12: 3_SPLEEN [NOVA0873]



Overall Results for sample 6 : 12: 3 SPLEEN

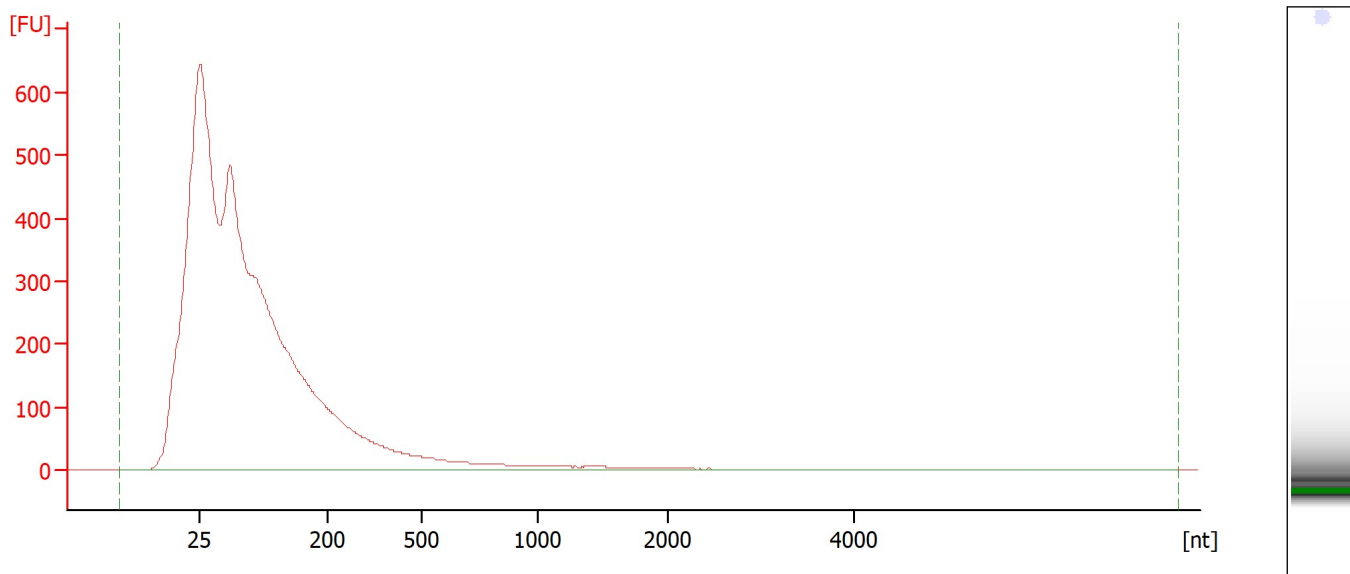
RNA Area:	13.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	51 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

14: 5_SPLEEN [NOVA0873]



Overall Results for sample 7 : 14: 5 SPLEEN

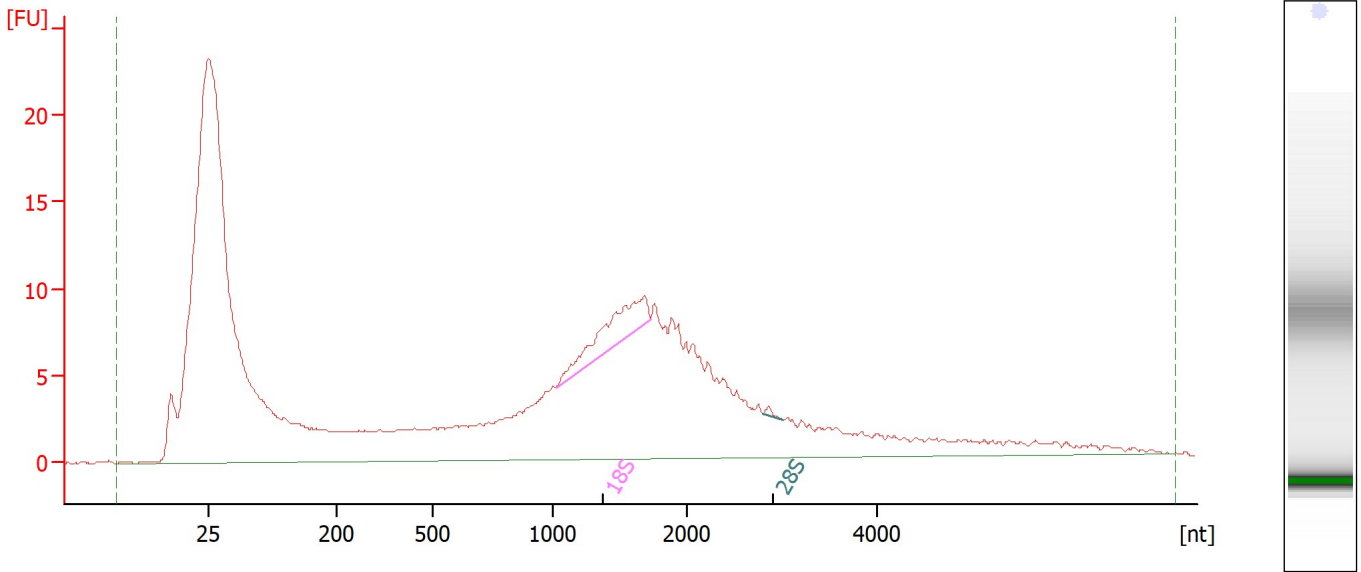
RNA Area:	5,792.6	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	22,612 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

16: 7_SPLEEN [NOVA0873]



Overall Results for sample 8 : 16: 7 SPLEEN

RNA Area:	265.0	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	1,034 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Fragment table for sample 8 : 16: 7 SPLEEN

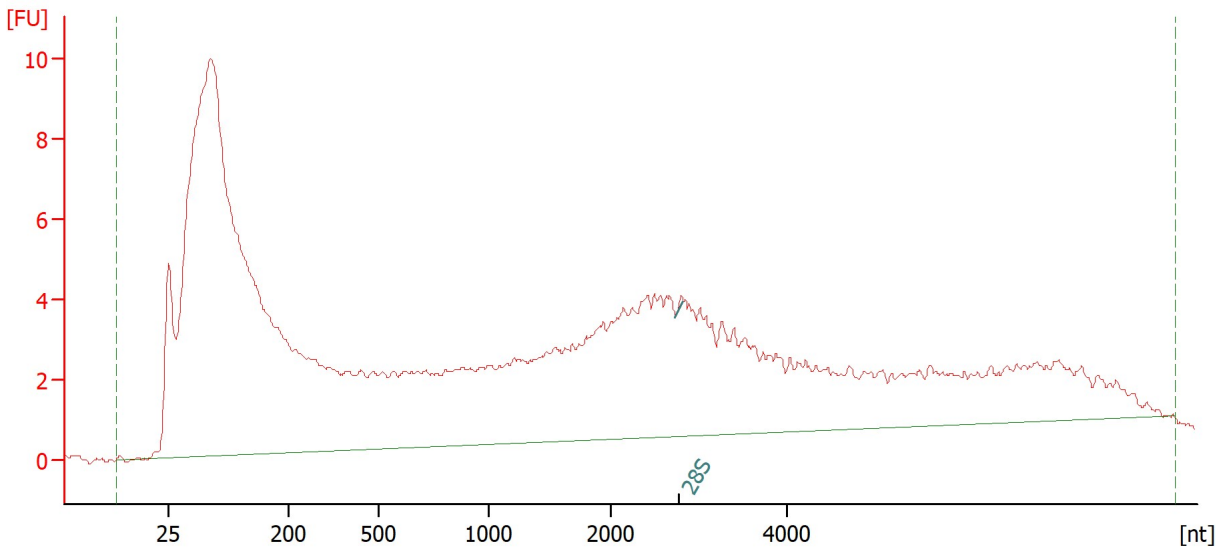
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,021	1,728	12.0	4.5
28S	2,800	3,025	0.4	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

18: 9_SPLEEN [NOVA0873]



Overall Results for sample 9 : 18: 9 SPLEEN

RNA Area:	299.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1,170 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : 18: 9 SPLEEN

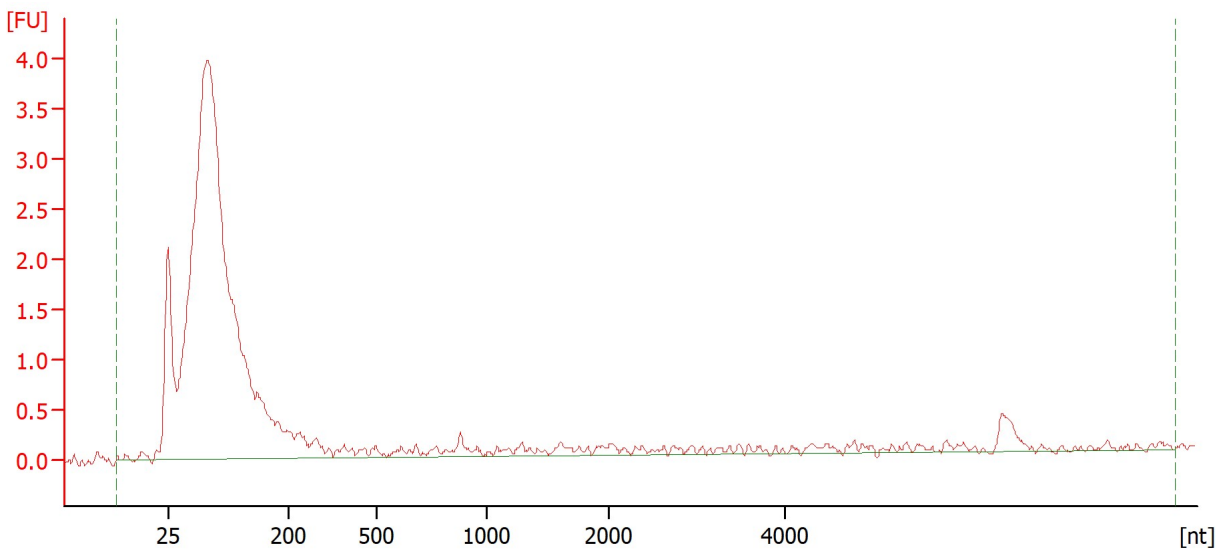
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,731	2,816	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...

20: 2_ILEUM [NOVA0873]



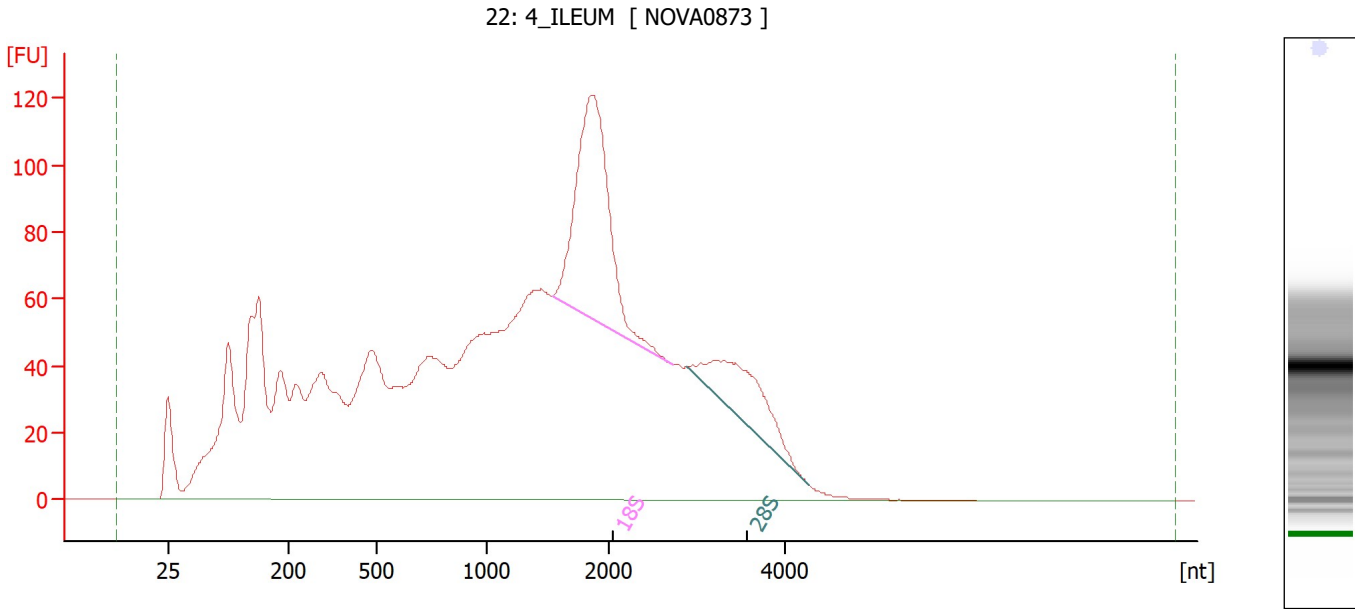
Overall Results for sample 10 : 20: 2_ILEUM

RNA Area:	40.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	156 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 22: 4 ILEUM

RNA Area:	3,471.7	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	13,552 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 5.10

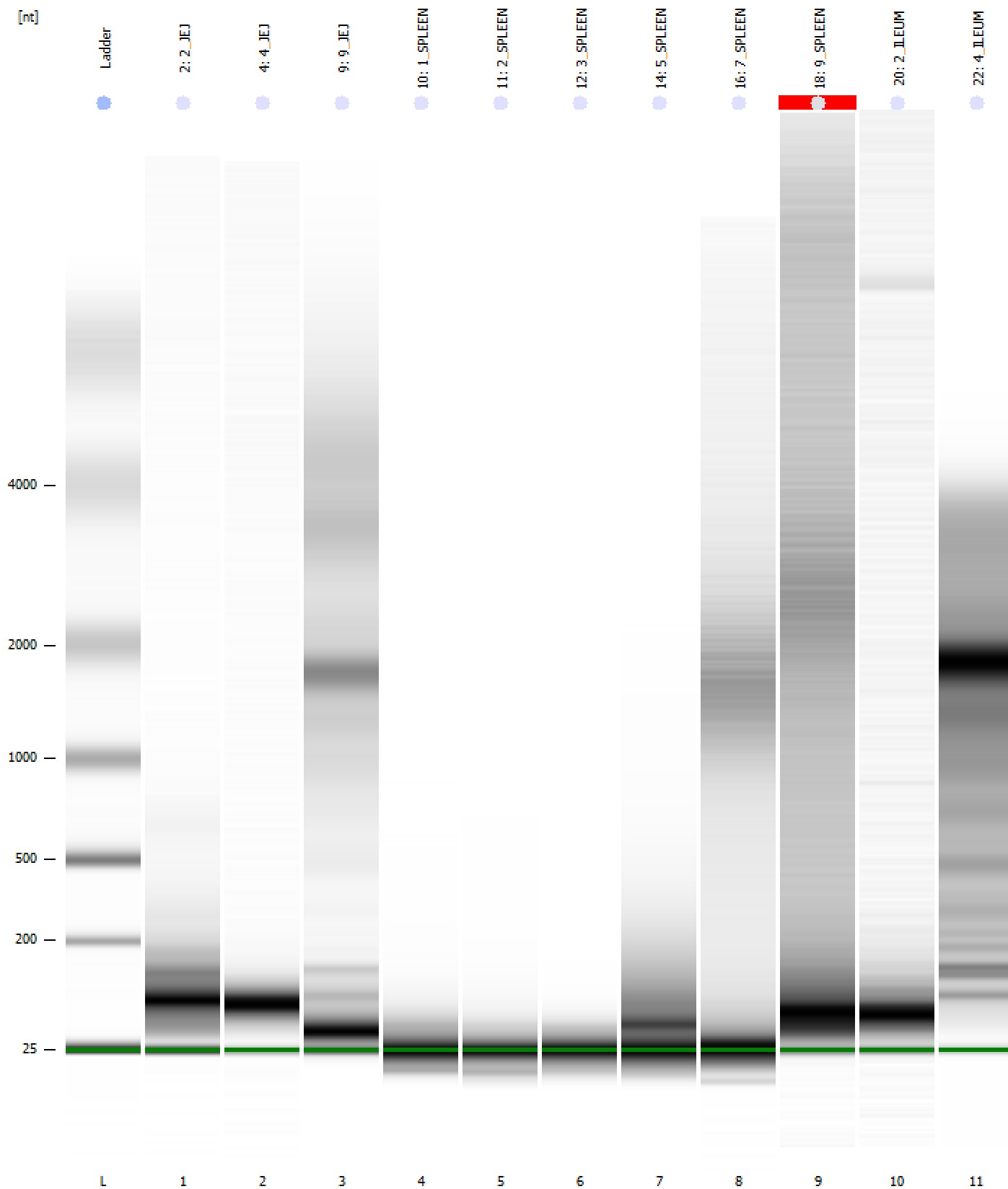
Fragment table for sample 11 : 22: 4 ILEUM

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	2,720	286.8	8.3
28S	2,879	4,269	103.7	3.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Gel Image

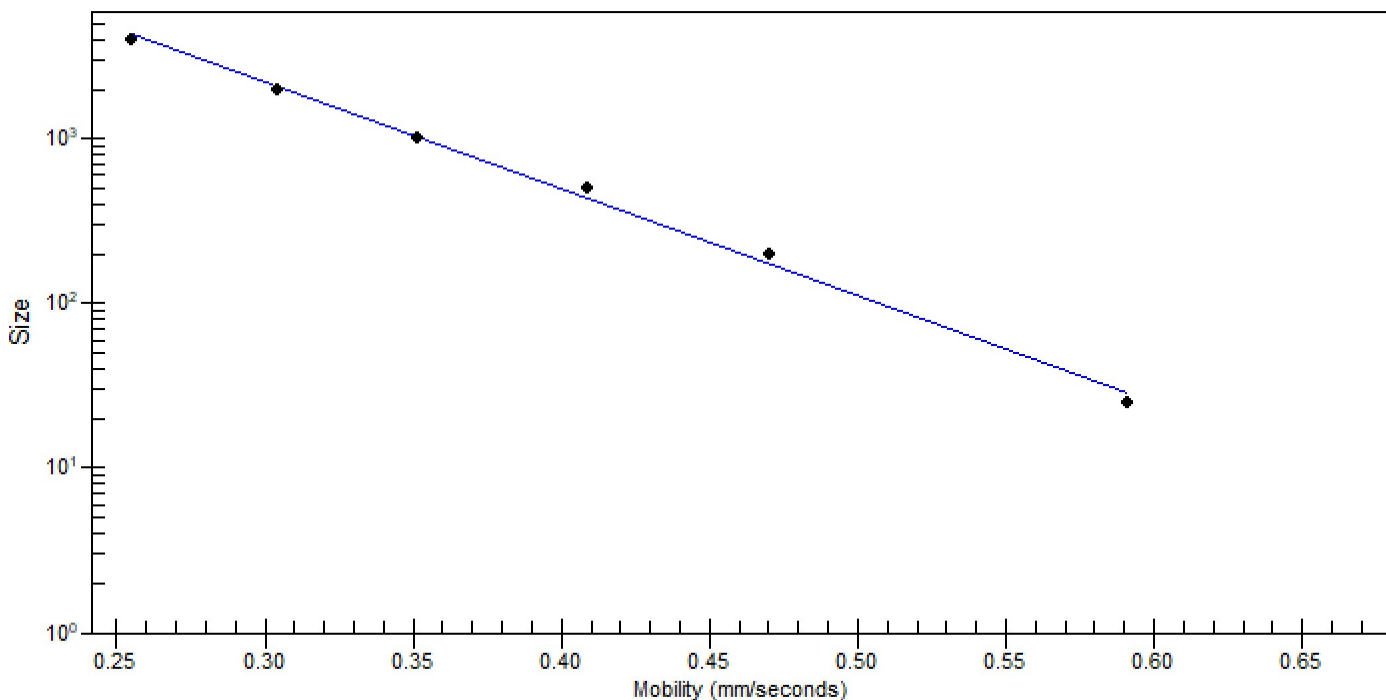


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
Modified: 6/12/2023 11:28:43 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad

Created: 6/12/2023 10:21:02 AM
 Modified: 6/12/2023 11:28:43 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		6/12/2023 10:43:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-12\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-12_001.xad)		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/12/2023 10:21:09 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB