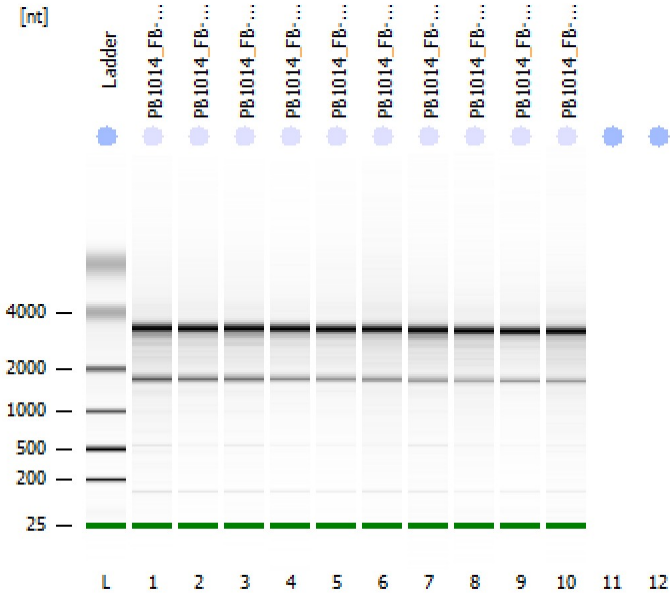


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
Modified: 10/12/2023 1:20:43 PM

Electrophoresis File Run Summary



Instrument Information:

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

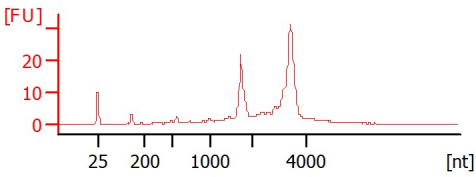
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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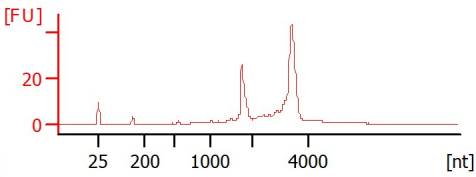
Chip Information:

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

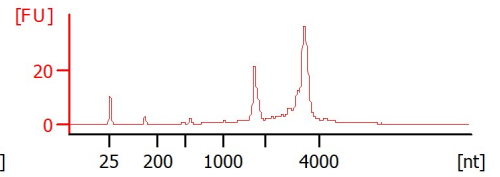
PB1014_FB-1_totalRNA
RIN: 8.70



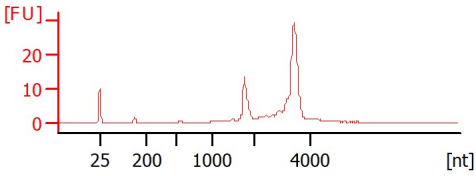
PB1014_FB-2_totalRNA
RIN: 9.20



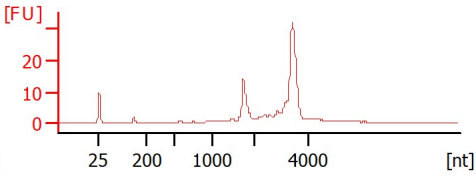
PB1014_FB-3_totalRNA
RIN: 9.10



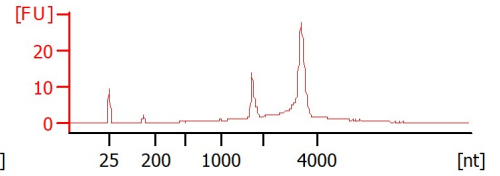
PB1014_FB-4_totalRNA
RIN: 9.30



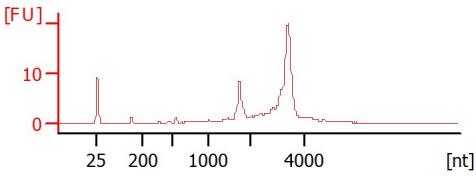
PB1014_FB-5_totalRNA
RIN: 9.10



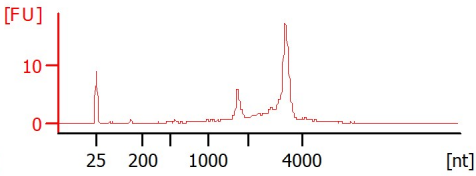
PB1014_FB-6_totalRNA
RIN: 8.90



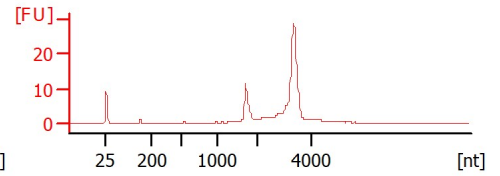
PB1014_FB-7_totalRNA
RIN: 9



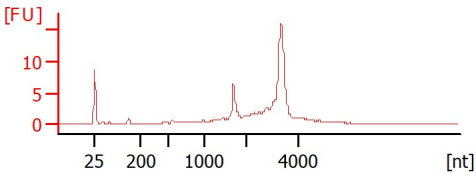
PB1014_FB-8_totalRNA
RIN: 8.60



PB1014_FB-9_totalRNA
RIN: 9.10



PB1014_FB-10_totalRNA
RIN: 8.70



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PB1014_FB-1_totalRNA		✓	RIN: 8.70	
PB1014_FB-2_totalRNA		✓	RIN: 9.20	
PB1014_FB-3_totalRNA		✓	RIN: 9.10	
PB1014_FB-4_totalRNA		✓	RIN: 9.30	
PB1014_FB-5_totalRNA		✓	RIN: 9.10	
PB1014_FB-6_totalRNA		✓	RIN: 8.90	
PB1014_FB-7_totalRNA		✓	RIN:9	
PB1014_FB-8_totalRNA		✓	RIN: 8.60	
PB1014_FB-9_totalRNA		✓	RIN: 9.10	
PB1014_FB-10_totalRNA		✓	RIN: 8.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

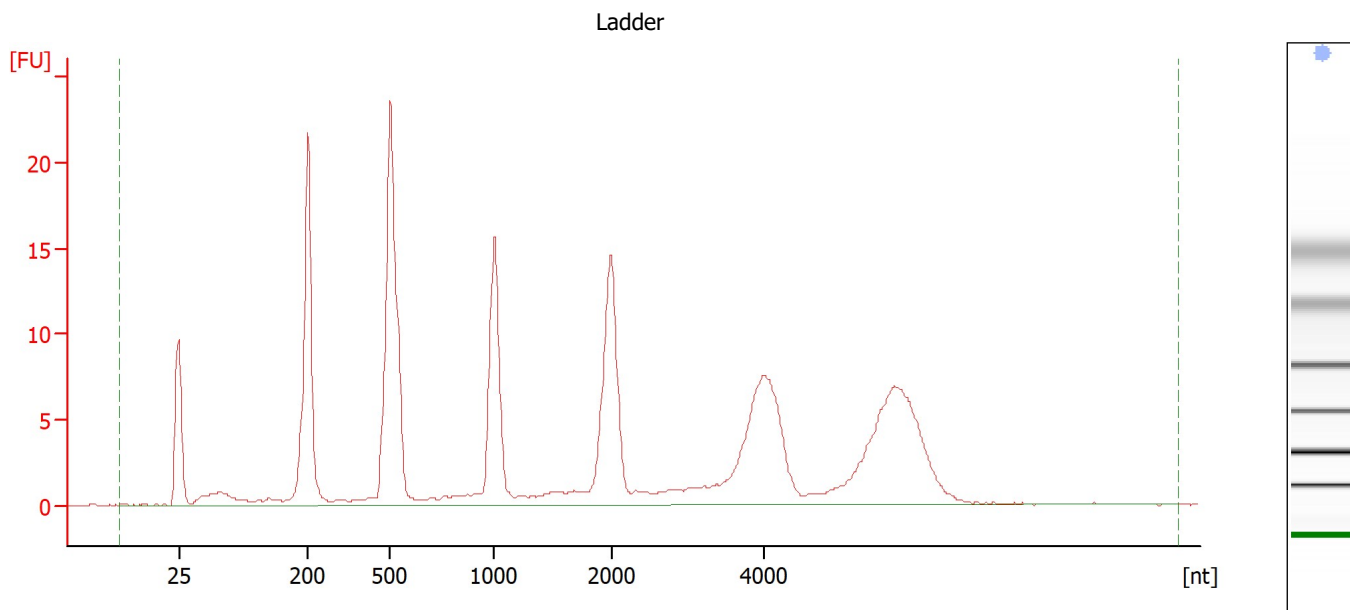
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary



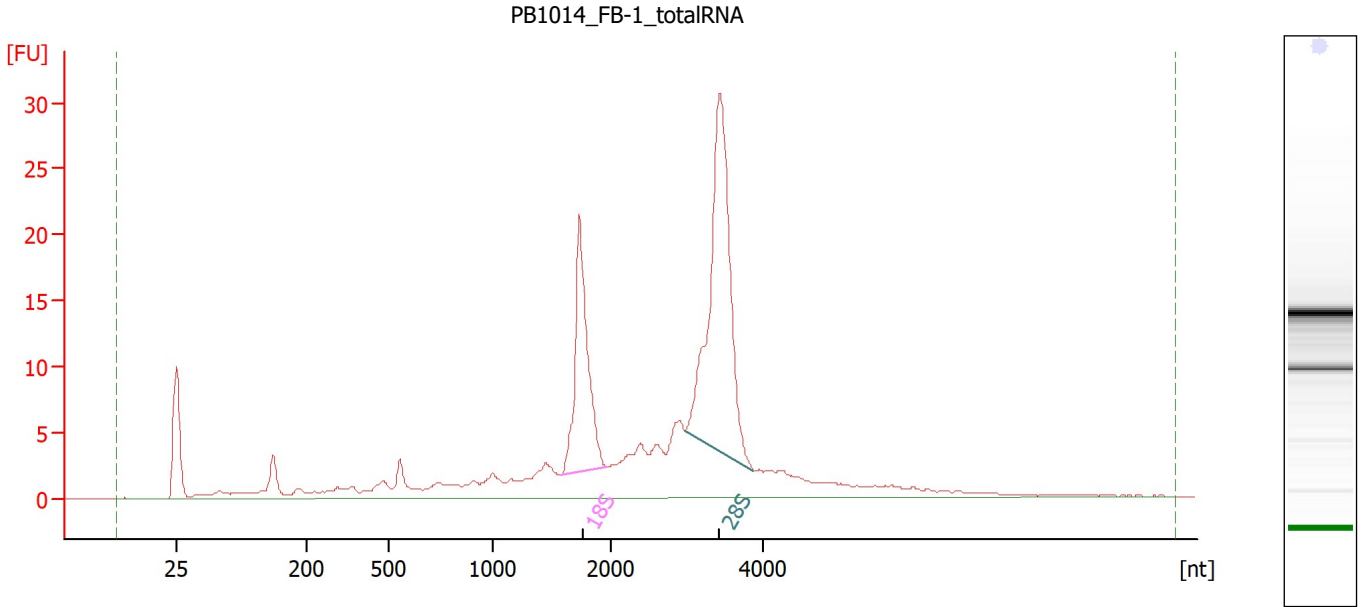
Overall Results for Ladder

RNA Area:	217.8	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PB1014 FB-1 totalRNA

RNA Area:	229.0	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	158 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.70

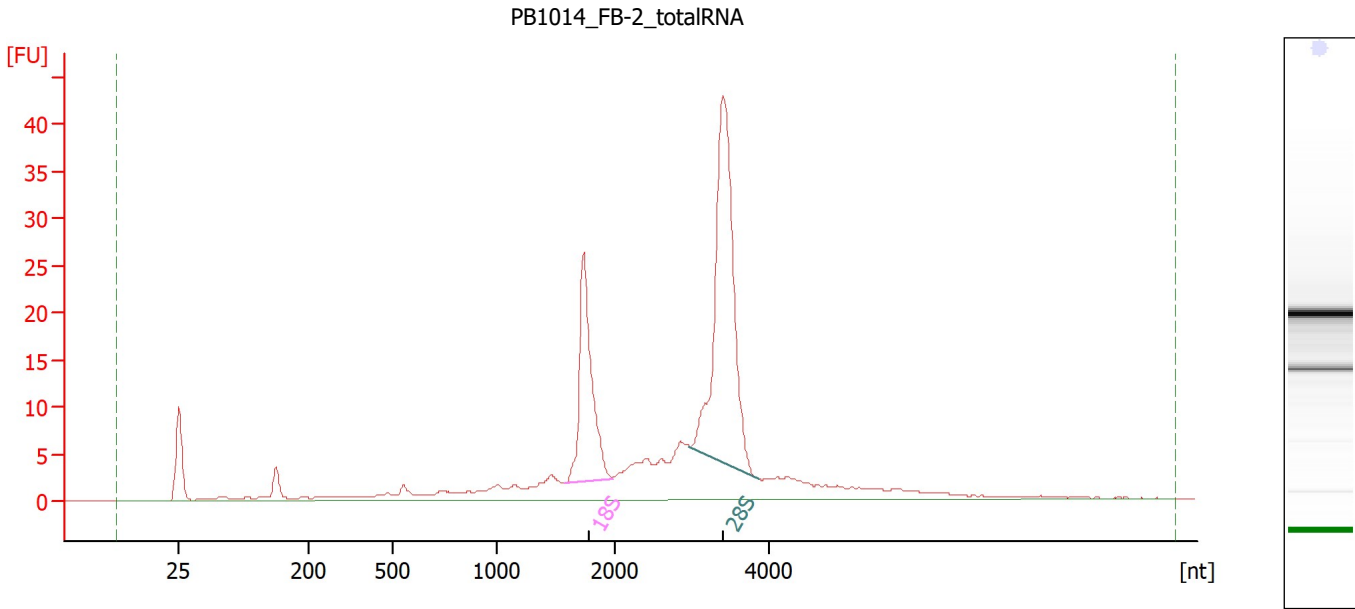
Fragment table for sample 1 : PB1014 FB-1 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	1,973	30.8	13.4
28S	2,978	3,871	62.2	27.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PB1014 FB-2 totalRNA

RNA Area:	259.6	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	179 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.20

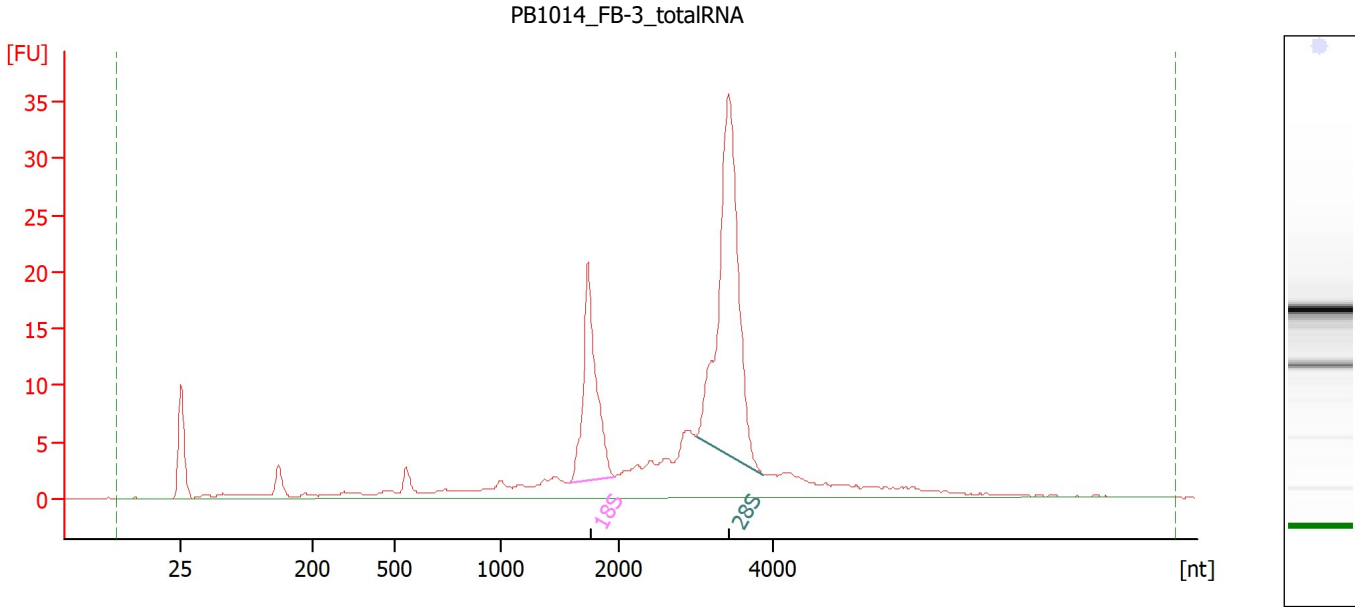
Fragment table for sample 2 : PB1014 FB-2 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,984	37.1	14.3
28S	2,976	3,865	81.4	31.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PB1014 FB-3 totalRNA

RNA Area:	222.4	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	153 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.10

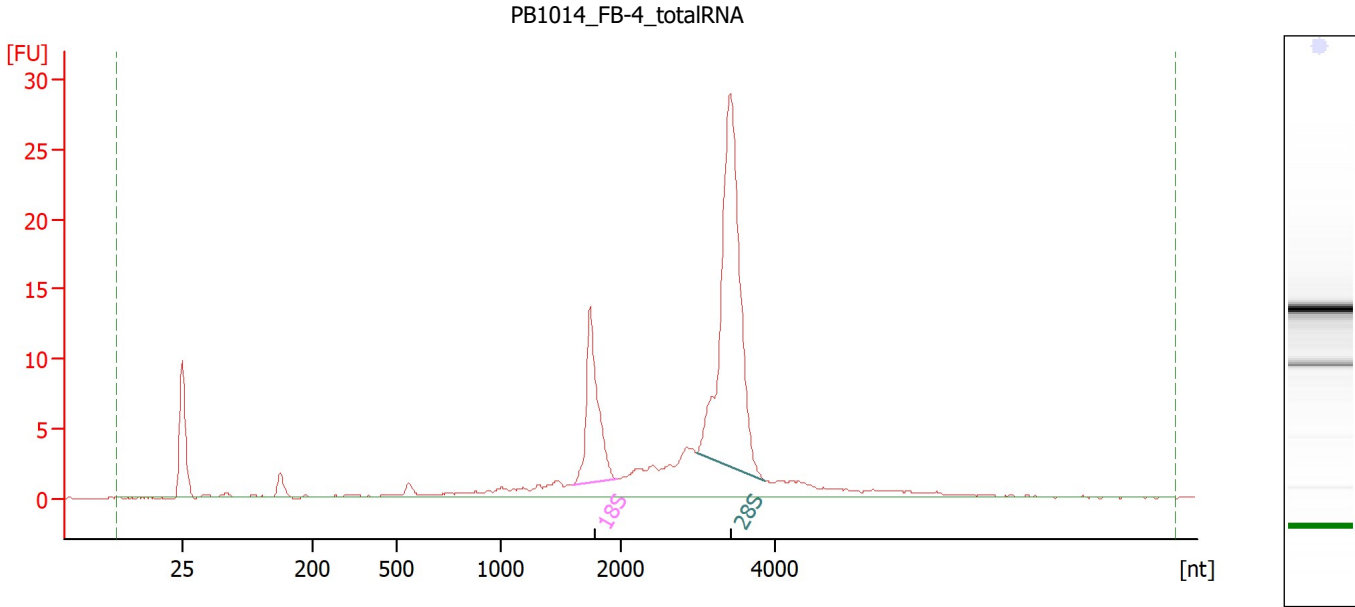
Fragment table for sample 3 : PB1014 FB-3 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,968	31.3	14.1
28S	3,002	3,859	69.5	31.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PB1014 FB-4 totalRNA

RNA Area:	142.0	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	98 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.0	Result Flagging Label:	RIN: 9.30

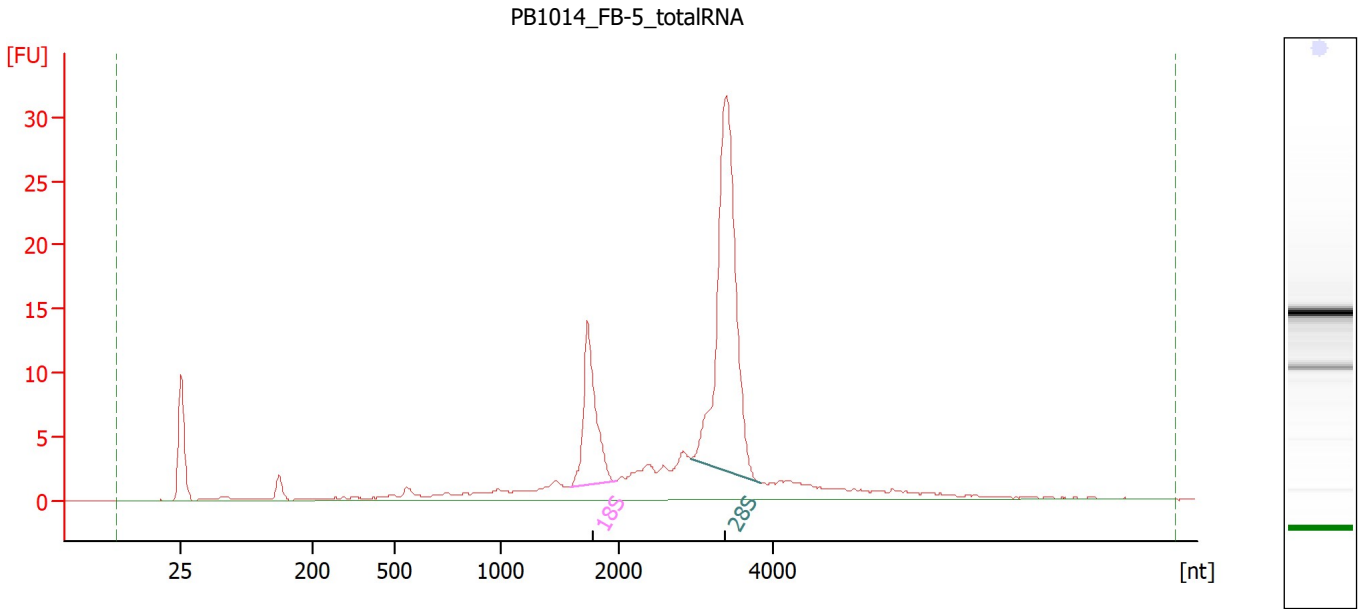
Fragment table for sample 4 : PB1014 FB-4 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,968	18.9	13.3
28S	2,973	3,870	56.6	39.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PB1014 FB-5 totalRNA

RNA Area:	155.9	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	107 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.0	Result Flagging Label:	RIN: 9.10

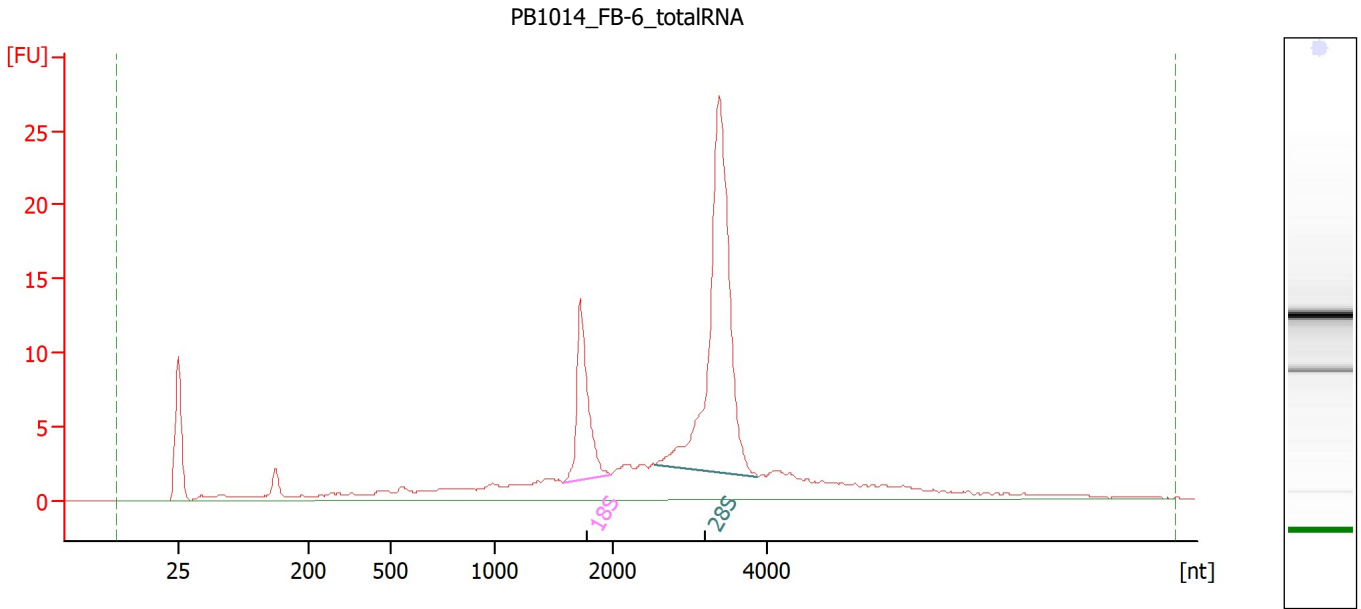
Fragment table for sample 5 : PB1014 FB-5 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,977	20.1	12.9
28S	2,932	3,845	60.6	38.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PB1014 FB-6 totalRNA

RNA Area:	166.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.4	Result Flagging Label:	RIN: 8.90

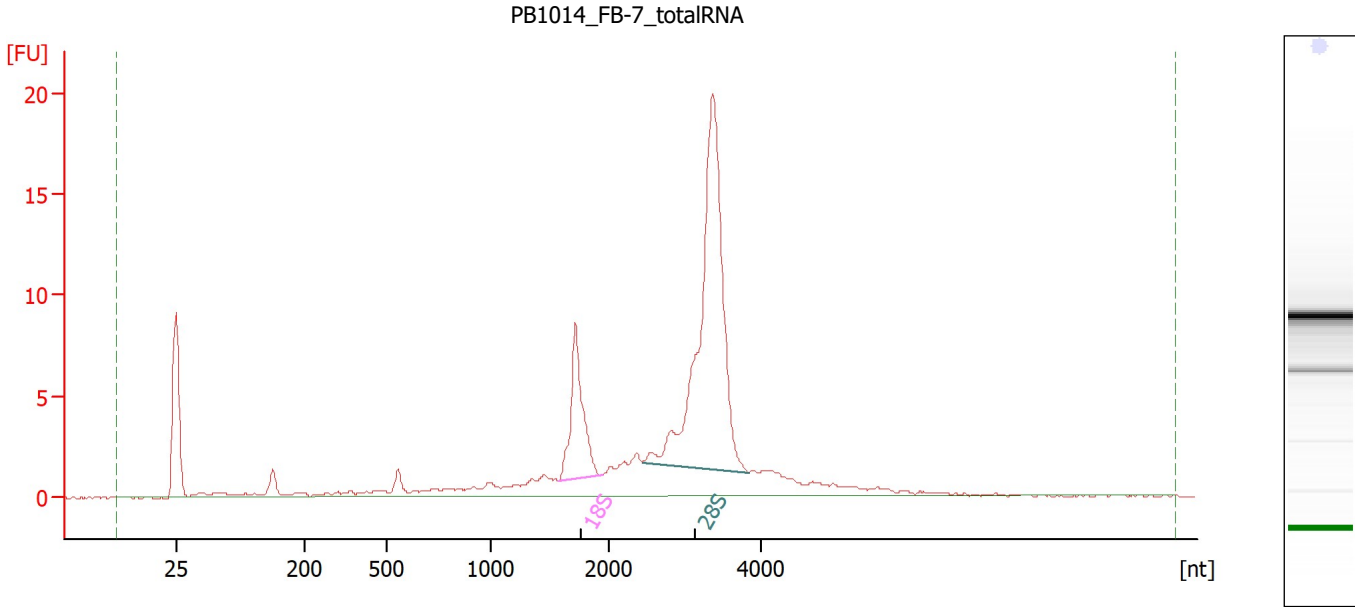
Fragment table for sample 6 : PB1014 FB-6 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,992	17.1	10.3
28S	2,559	3,882	57.4	34.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PB1014 FB-7 totalRNA

RNA Area:	114.8	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	79 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.0	Result Flagging Label:	RIN:9

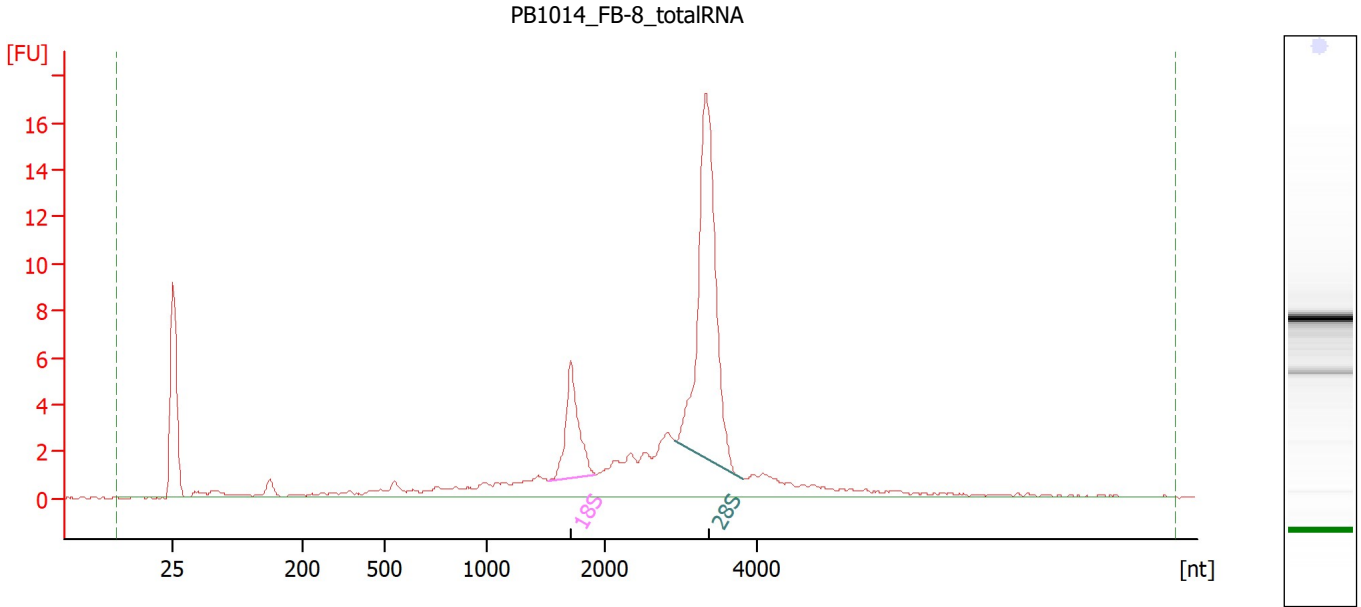
Fragment table for sample 7 : PB1014 FB-7 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,945	11.8	10.3
28S	2,447	3,846	47.5	41.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PB1014 FB-8 totalRNA

RNA Area:	92.4	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	64 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.8	Result Flagging Label:	RIN: 8.60

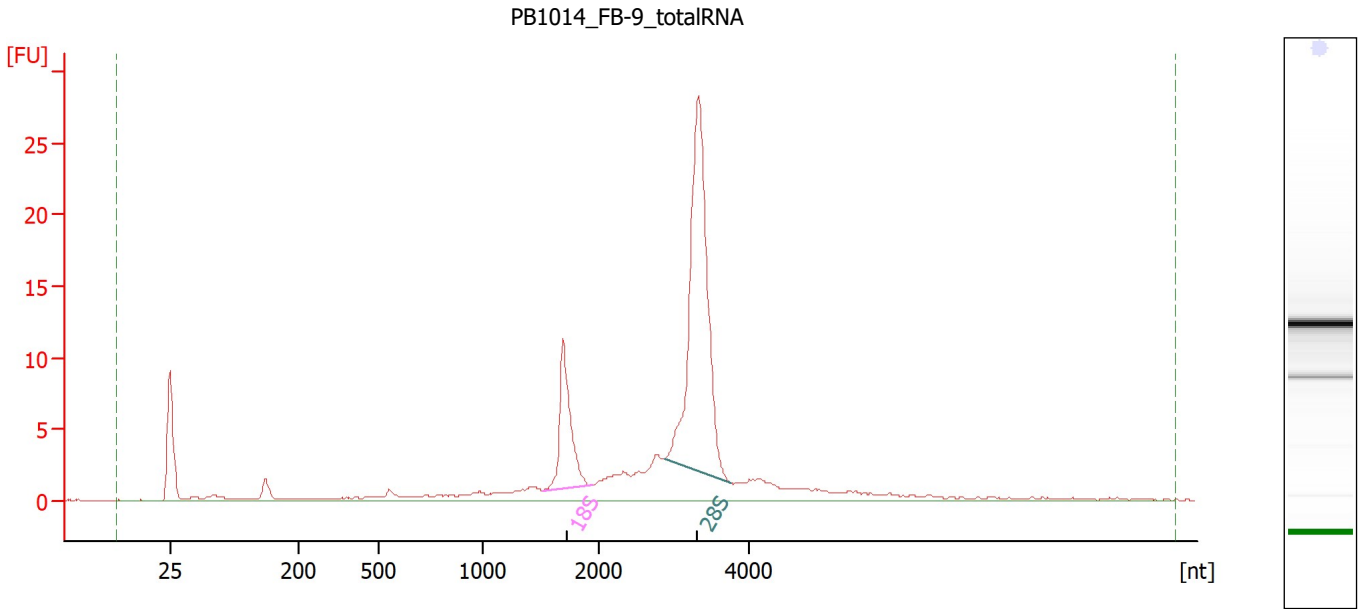
Fragment table for sample 8 : PB1014 FB-8 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,925	8.1	8.8
28S	2,938	3,809	31.1	33.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PB1014 FB-9 totalRNA

RNA Area:	131.7	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	91 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.6	Result Flagging Label:	RIN: 9.10

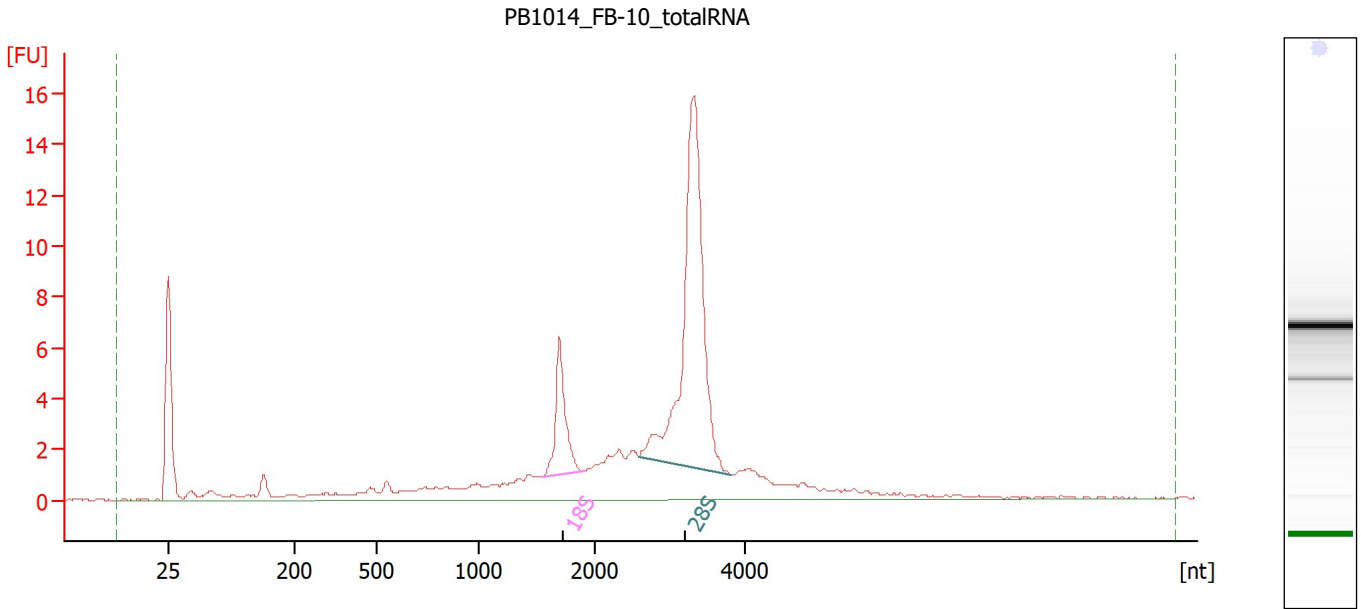
Fragment table for sample 9 : PB1014 FB-9 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	1,959	14.6	11.1
28S	2,870	3,747	53.2	40.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PB1014 FB-10 totalRNA

RNA Area:	99.5	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.7	Result Flagging Label:	RIN: 8.70

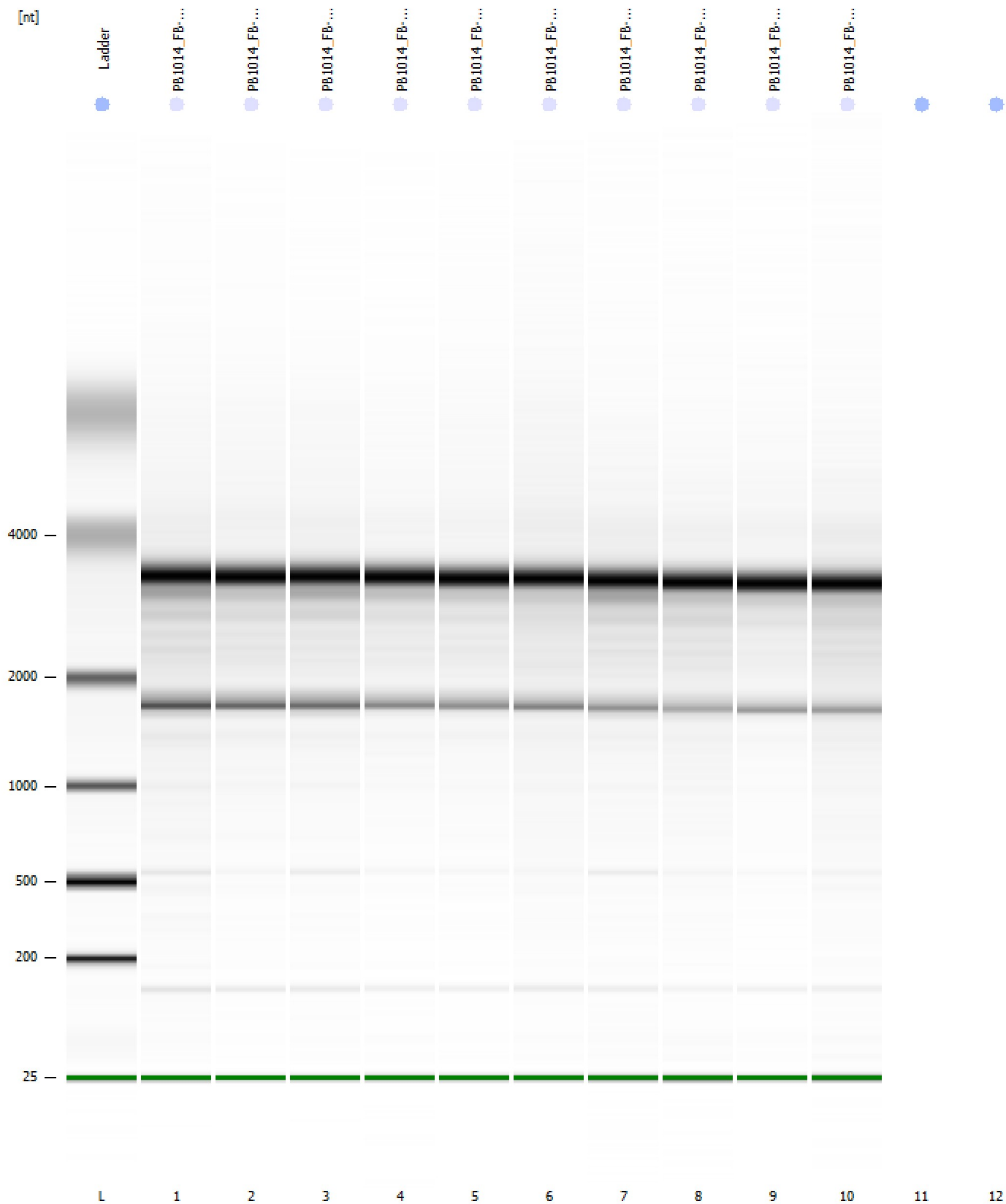
Fragment table for sample 10 : PB1014 FB-10 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,920	7.1	7.1
28S	2,587	3,809	33.2	33.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
Modified: 10/12/2023 1:20:43 PM

Gel Image

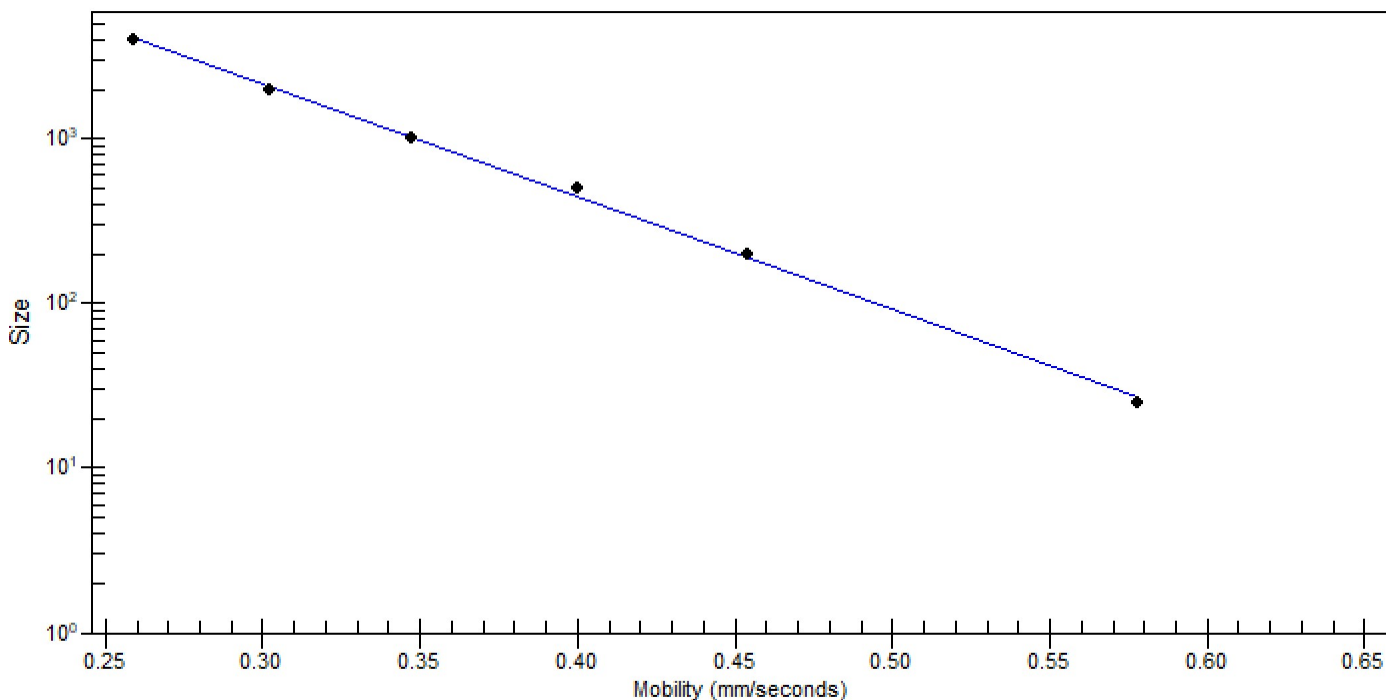


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
Modified: 10/12/2023 1:20:43 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
Modified: 10/12/2023 1:20:43 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad

Created: 10/12/2023 1:00:12 PM
 Modified: 10/12/2023 1:20:43 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		10/12/2023 1:20:38 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-12\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_003.xad)		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/12/2023 1:00:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB